

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013123\
 Data File : BF132246.D
 Acq On : 31 Jan 2023 23:57
 Operator : CG\JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Feb 01 05:59:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 05:24:37 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/01/2023
 Supervised By : Jagrut Upadhyay 02/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.072	152	168947	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	630361	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	321784	20.000	ng	0.00
64) Phenanthrene-d10	11.619	188	590618	20.000	ng	0.00
76) Chrysene-d12	14.277	240	415654	20.000	ng	#-0.01
86) Perylene-d12	15.865	264	398859	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	1195829	113.774	ng	0.00
7) Phenol-d6	6.684	99	1471391	113.550	ng	0.00
23) Nitrobenzene-d5	7.631	82	887496	78.347	ng	0.00
42) 2,4,6-Tribromophenol	10.913	330	410256	123.978	ng	0.00
45) 2-Fluorobiphenyl	9.436	172	1531257	73.485	ng	0.00
79) Terphenyl-d14	13.213	244	1610615	74.956	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.966	88	43938	8.884	ng	100
3) Pyridine	3.760	79	104544	7.792	ng	99
4) n-Nitrosodimethylamine	3.678	42	35281	8.218	ng	100
6) Aniline	6.731	93	153556	8.733	ng	99
8) 2-Chlorophenol	6.848	128	104792	9.626	ng	93
9) Benzaldehyde	6.619	77	85274	9.192	ng	97
10) Phenol	6.695	94	121668	9.071	ng	94
11) bis(2-Chloroethyl)ether	6.795	93	102709	9.305	ng	99
12) 1,3-Dichlorobenzene	7.007	146	113359	9.846	ng	98
13) 1,4-Dichlorobenzene	7.084	146	116757	10.159	ng	97
14) 1,2-Dichlorobenzene	7.242	146	109203	10.189	ng	97
15) Benzyl Alcohol	7.195	79	95812m	10.133	ng	
16) 2,2'-oxybis(1-Chloropr...	7.336	45	111745	9.609	ng	99
17) 2-Methylphenol	7.301	107	83069	8.717	ng	96
18) Hexachloroethane	7.583	117	41648	9.660	ng	94
19) n-Nitroso-di-n-propyla...	7.466	70	70448	9.571	ng	97
20) 3+4-Methylphenols	7.454	107	110881	9.117	ng	99
22) Acetophenone	7.472	105	149830	10.107	ng	# 97
24) Nitrobenzene	7.648	77	106809	9.229	ng	99
25) Isophorone	7.878	82	197318	9.177	ng	97
26) 2-Nitrophenol	7.966	139	52347	9.286	ng	91
27) 2,4-Dimethylphenol	7.989	122	85827	8.699	ng	99
28) bis(2-Chloroethoxy)met...	8.089	93	126994	9.612	ng	99
29) 2,4-Dichlorophenol	8.201	162	82863	9.459	ng	97
30) 1,2,4-Trichlorobenzene	8.289	180	91749	9.781	ng	98
31) Naphthalene	8.378	128	305577	9.848	ng	99
32) Benzoic acid	8.036	122	47860m	6.553	ng	
33) 4-Chloroaniline	8.419	127	127990	9.302	ng	99
34) Hexachlorobutadiene	8.489	225	51951	9.851	ng	99
35) Caprolactam	8.748	113	27172	9.099	ng	93
36) 4-Chloro-3-methylphenol	8.883	107	87584	9.281	ng	98
37) 2-Methylnaphthalene	9.072	142	203720	9.693	ng	100
38) 1-Methylnaphthalene	9.172	142	191905	9.825	ng	98
40) 1,2,4,5-Tetrachloroben...	9.236	216	88431	9.766	ng	97
41) Hexachlorocyclopentadiene	9.225	237	49544	9.378	ng	98
43) 2,4,6-Trichlorophenol	9.342	196	58678	9.065	ng	98

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Manual Integrations
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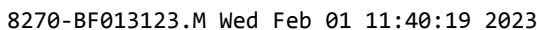
Reviewed By : Christian Giraldo 02/01/2023
 Supervised By : Jagrut Upadhyay 02/01/2023

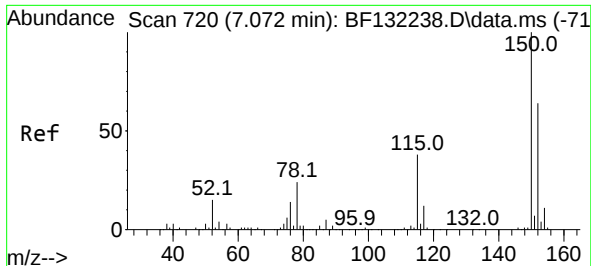
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.377	196	63520	8.526	ng	98
46) 1,1'-Biphenyl	9.536	154	252340	10.172	ng	97
47) 2-Chloronaphthalene	9.560	162	189206	10.014	ng	99
48) 2-Nitroaniline	9.648	65	49494	8.808	ng	98
49) Acenaphthylene	9.977	152	297890	9.660	ng	99
50) Dimethylphthalate	9.825	163	213958	9.505	ng	99
51) 2,6-Dinitrotoluene	9.889	165	45551	9.061	ng	90
52) Acenaphthene	10.154	154	182975	9.478	ng	99
53) 3-Nitroaniline	10.060	138	52964	8.688	ng	99
54) 2,4-Dinitrophenol	10.160	184	15689	9.420	ng	# 1
55) Dibenzofuran	10.325	168	265917	9.803	ng	95
56) 4-Nitrophenol	10.201	139	38909	8.481	ng	100
57) 2,4-Dinitrotoluene	10.289	165	58107	8.898	ng	95
58) Fluorene	10.672	166	210691	10.092	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.436	232	48449	8.920	ng	97
60) Diethylphthalate	10.530	149	212303	9.481	ng	100
61) 4-Chlorophenyl-phenyle...	10.660	204	97735	9.865	ng	96
62) 4-Nitroaniline	10.672	138	49020	8.385	ng	98
63) Azobenzene	10.819	77	201787	9.251	ng	98
65) 4,6-Dinitro-2-methylph...	10.701	198	23946	7.144	ng	97
66) n-Nitrosodiphenylamine	10.777	169	178344	9.643	ng	98
67) 4-Bromophenyl-phenylether	11.154	248	57242	9.465	ng	98
68) Hexachlorobenzene	11.219	284	65582	10.145	ng	99
69) Atrazine	11.295	200	55250	10.386	ng	98
70) Pentachlorophenol	11.413	266	29747	6.698	ng	97
71) Phenanthrene	11.642	178	309186	10.018	ng	98
72) Anthracene	11.695	178	313622	9.985	ng	98
73) Carbazole	11.842	167	274776	9.757	ng	99
74) Di-n-butylphthalate	12.166	149	316994	9.521	ng	98
75) Fluoranthene	12.842	202	304142	9.657	ng	99
77) Benzidine	12.960	184	151291	10.411	ng	99
78) Pyrene	13.071	202	316353	9.463	ng	98
80) Butylbenzylphthalate	13.683	149	121608	8.233	ng	98
81) Benzo(a)anthracene	14.265	228	266660	9.173	ng	99
82) 3,3'-Dichlorobenzidine	14.224	252	91533	9.885	ng	98
83) Chrysene	14.307	228	251989	9.257	ng	98
84) Bis(2-ethylhexyl)phtha...	14.242	149	170491	8.540	ng	99
85) Di-n-octyl phthalate	14.877	149	265274	8.146	ng	99
87) Indeno(1,2,3-cd)pyrene	17.506	276	208678	7.874	ng	99
88) Benzo(b)fluoranthene	15.383	252	236741	9.338	ng	99
89) Benzo(k)fluoranthene	15.418	252	234140	9.675	ng	98
90) Benzo(a)pyrene	15.795	252	199464	8.449	ng	98
91) Dibenzo(a,h)anthracene	17.530	278	178945	8.398	ng	96
92) Benzo(g,h,i)perylene	18.006	276	177017	8.041	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

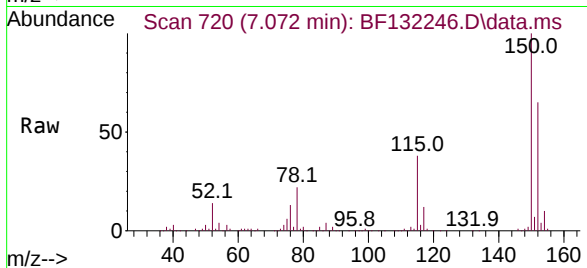
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.072 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF132246.D
 Acq: 31 Jan 2023 23:57

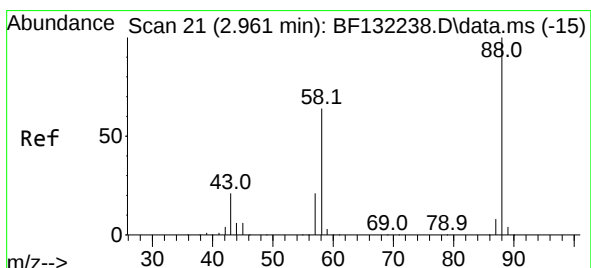
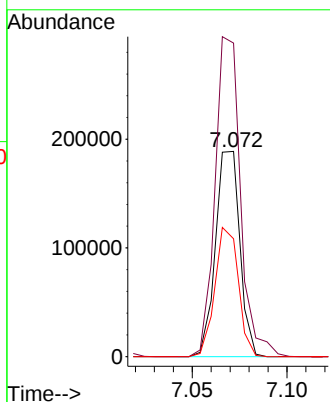
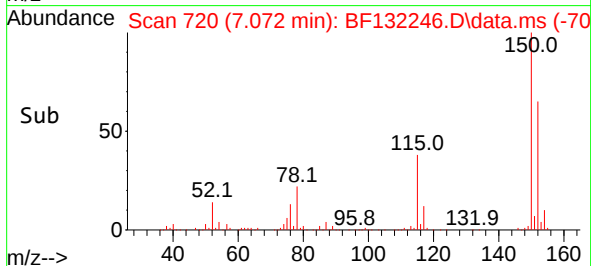
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



Tgt Ion: 152 Resp: 16894
 Ion Ratio Lower Upper
 152 100
 150 152.8 124.2 186.2
 115 57.4 47.3 70.9

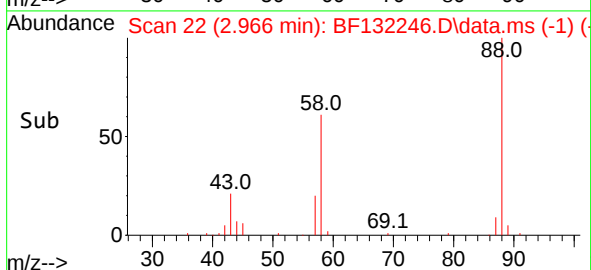
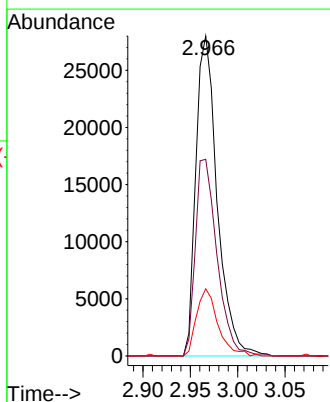
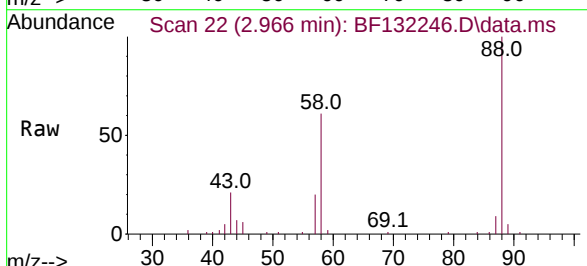
Manual Integrations
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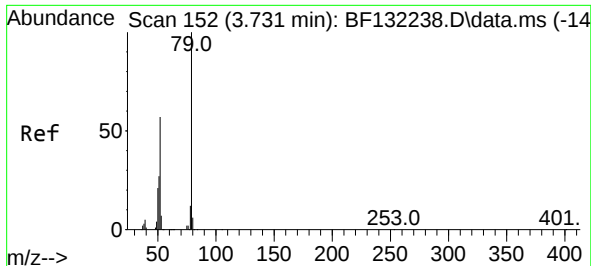
Reviewed By :Christian Giraldo 02/01/2023
 Supervised By :Jagrut Upadhyay 02/01/2023



#2
 1,4-Dioxane
 Concen: 8.884 ng
 RT: 2.966 min Scan# 22
 Delta R.T. 0.006 min
 Lab File: BF132246.D
 Acq: 31 Jan 2023 23:57

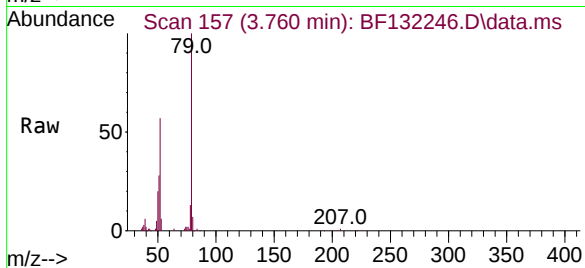
Tgt Ion: 88 Resp: 43938
 Ion Ratio Lower Upper
 88 100
 58 62.4 50.2 75.2
 43 20.9 16.9 25.3





#3
Pyridine
Concen: 7.792 ng
RT: 3.760 min Scan# 11
Delta R.T. 0.029 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

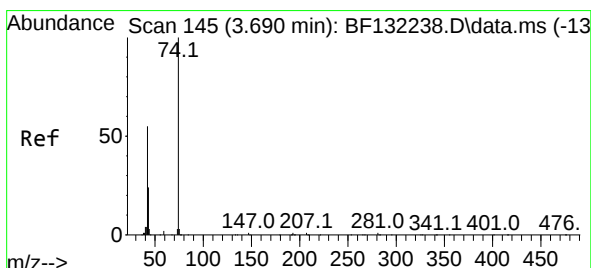
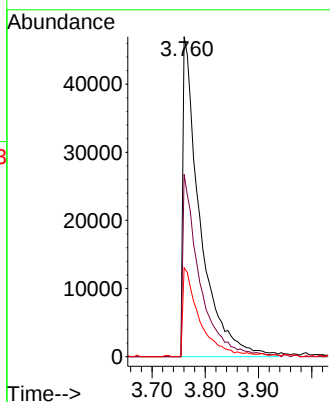
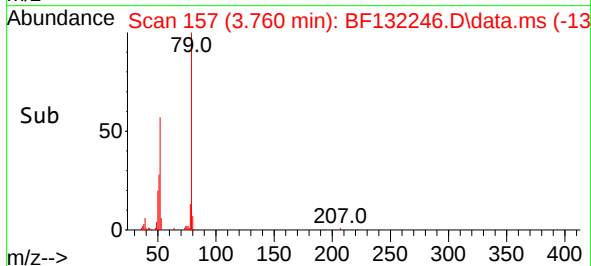
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



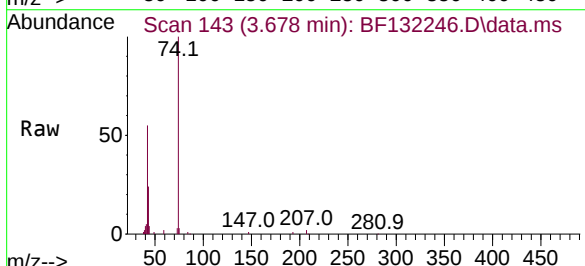
Tgt Ion: 79 Resp: 104544
Ion Ratio Lower Upper
79 100
52 56.9 45.6 68.4
51 27.8 21.5 32.3

Manual Integrations
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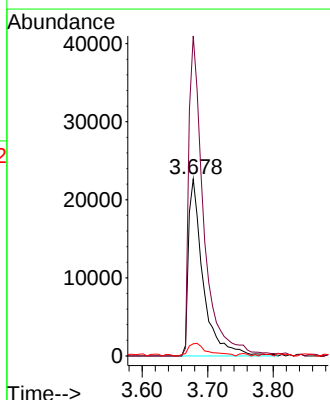
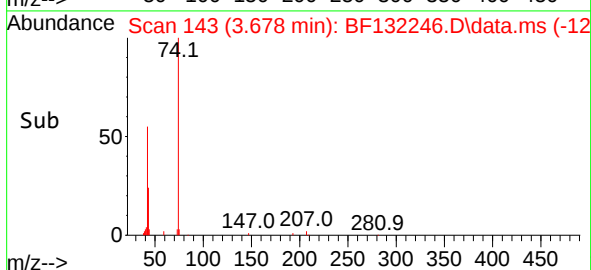
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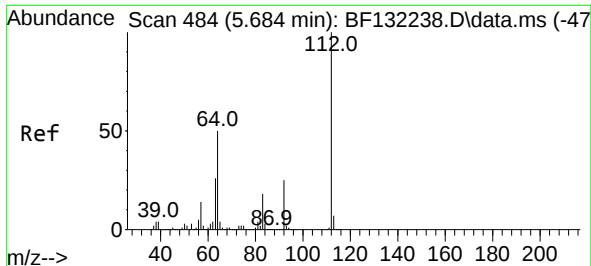


#4
n-Nitrosodimethylamine
Concen: 8.218 ng
RT: 3.678 min Scan# 143
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



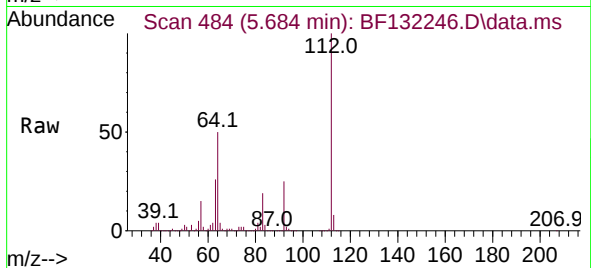
Tgt Ion: 42 Resp: 35281
Ion Ratio Lower Upper
42 100
74 181.0 144.6 217.0
44 6.9 5.1 7.7





#5
2-Fluorophenol
Concen: 113.774 ng
RT: 5.684 min Scan# 484
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

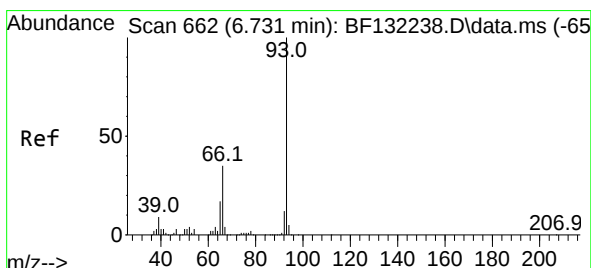
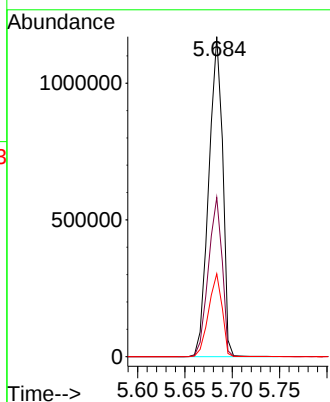
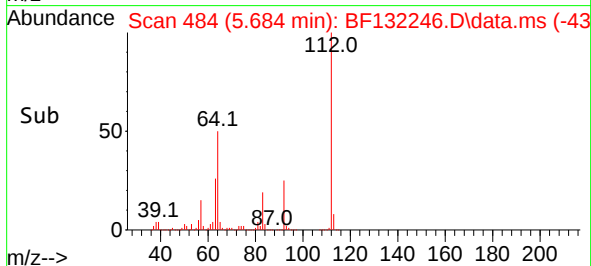
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 112 Resp: 1195829
Ion Ratio Lower Upper
112 100
64 49.7 40.0 60.0
63 25.9 20.5 30.7

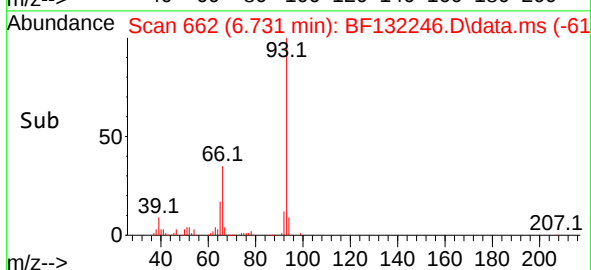
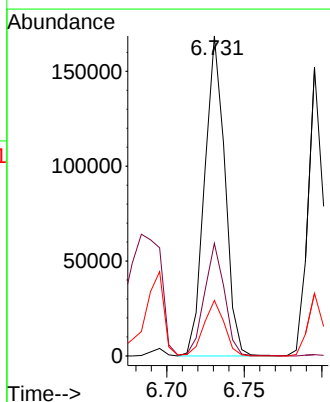
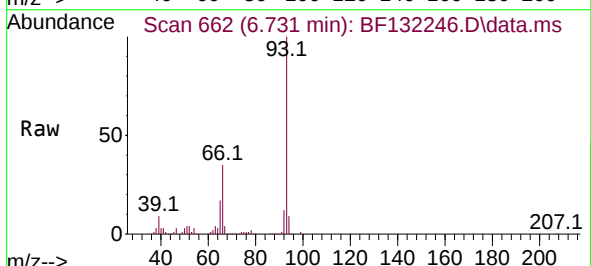
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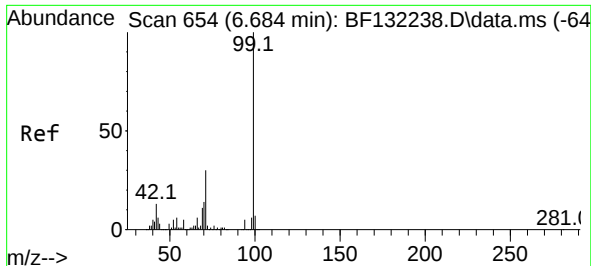
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#6
Aniline
Concen: 8.733 ng
RT: 6.731 min Scan# 662
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

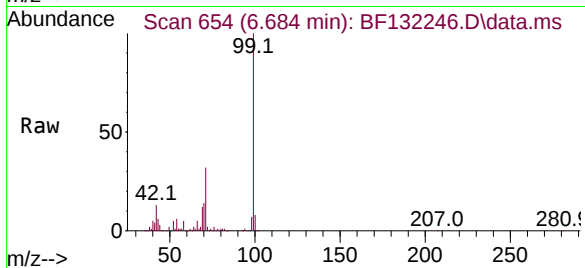
Tgt Ion: 93 Resp: 153556
Ion Ratio Lower Upper
93 100
66 35.2 28.8 43.2
65 17.3 14.2 21.4





#7
Phenol-d6
Concen: 113.550 ng
RT: 6.684 min Scan# 61
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

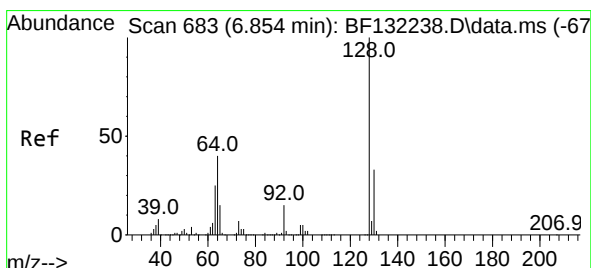
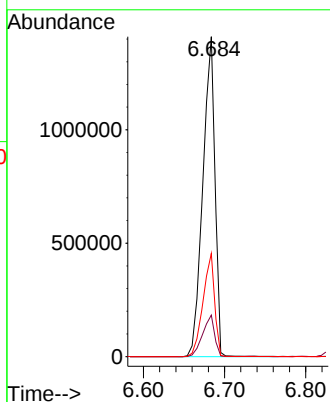
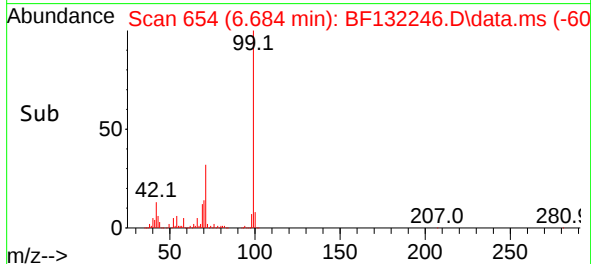
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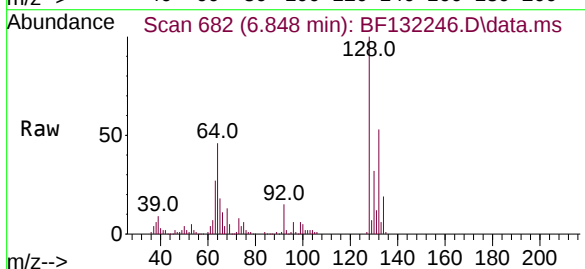
Tgt Ion: 99 Resp: 1471391
Ion Ratio Lower Upper
99 100
42 13.0 10.1 15.1
71 32.2 24.2 36.4

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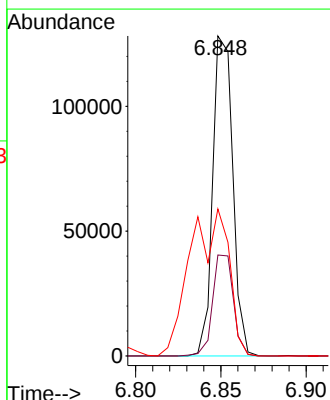
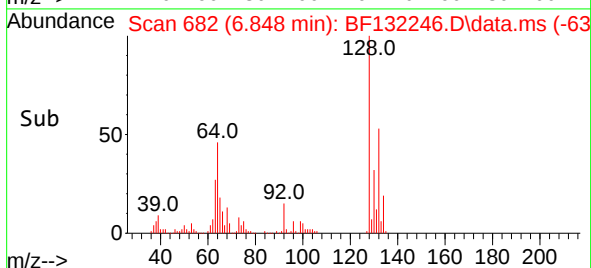
Reviewed By :Christian Giraldo 02/01/2023
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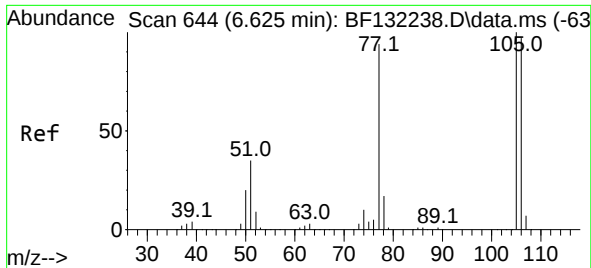


#8
2-Chlorophenol
Concen: 9.626 ng
RT: 6.848 min Scan# 682
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



Tgt Ion:128 Resp: 104792
Ion Ratio Lower Upper
128 100
130 31.5 13.3 53.3
64 45.9 20.1 60.1





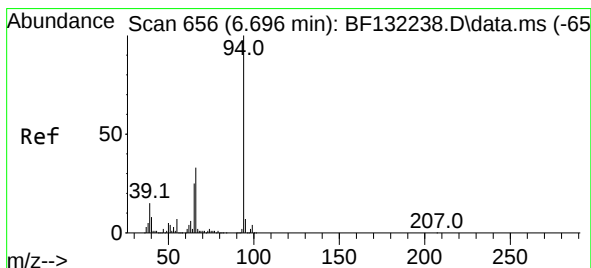
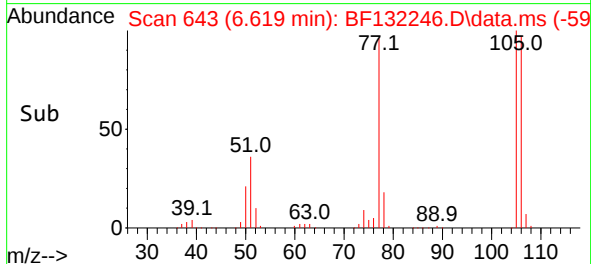
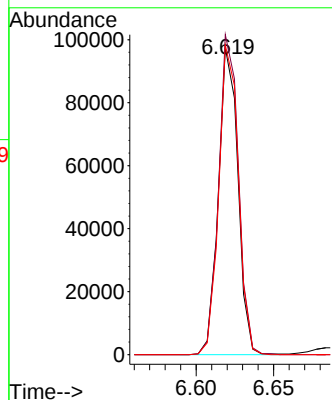
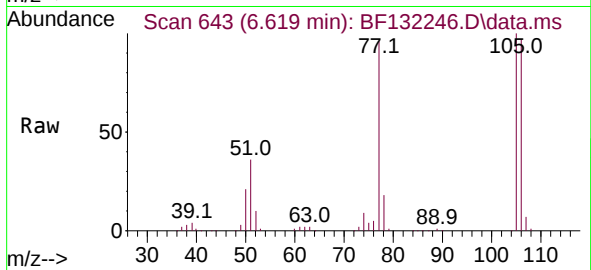
#9
Benzaldehyde
Concen: 9.192 ng
RT: 6.619 min Scan# 644
Delta R.T. -0.006 min
Lab File: BF132246.D
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Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 77 Resp: 85274
Ion Ratio Lower Upper
77 100
105 104.4 86.8 126.8
106 100.9 83.8 123.8

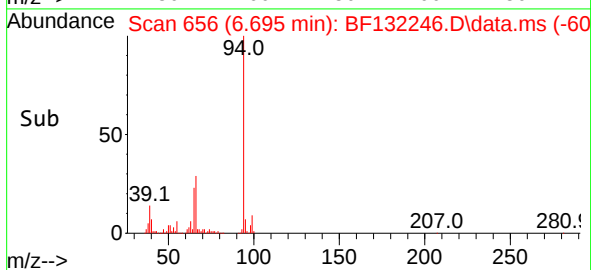
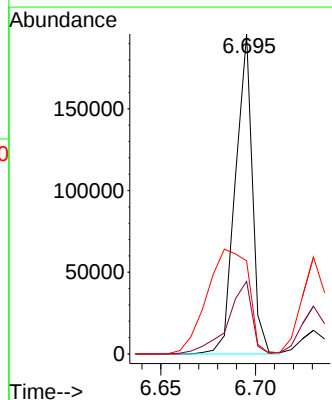
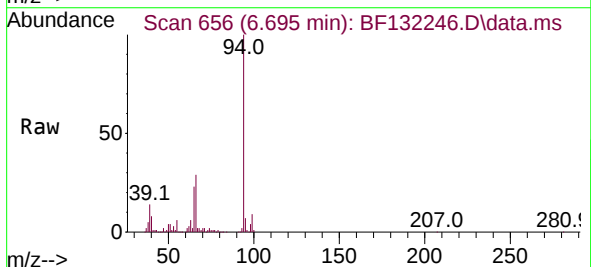
Manual Integrations
APPROVED

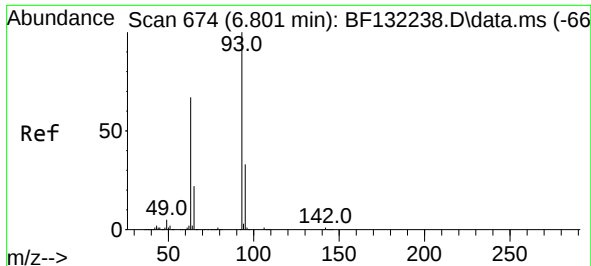
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#10
Phenol
Concen: 9.071 ng
RT: 6.695 min Scan# 656
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

Tgt Ion: 94 Resp: 121668
Ion Ratio Lower Upper
94 100
65 22.7 5.1 45.1
66 29.1 13.0 53.0





#11

bis(2-Chloroethyl)ether

Concen: 9.305 ng

RT: 6.795 min Scan# 61

Delta R.T. -0.006 min

Lab File: BF132246.D

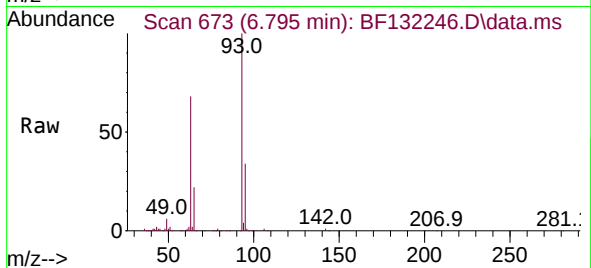
Acq: 31 Jan 2023 23:57

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion: 93 Resp: 102709

Ion Ratio Lower Upper

93 100

63 68.0 46.7 86.7

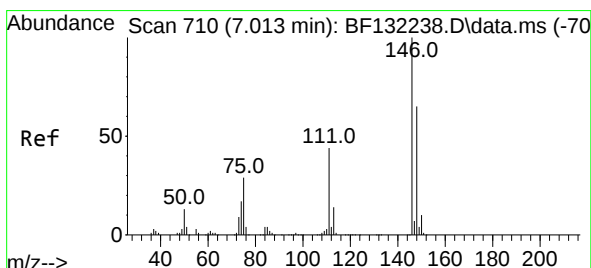
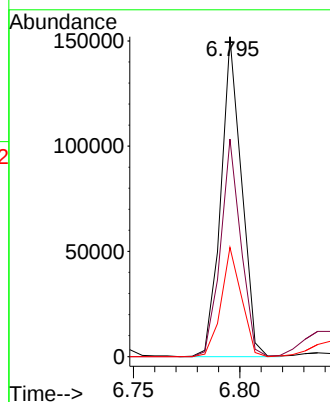
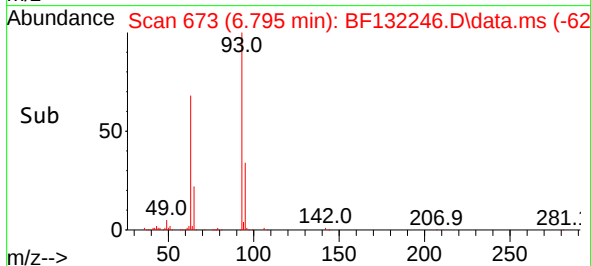
95 34.1 13.4 53.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#12

1,3-Dichlorobenzene

Concen: 9.846 ng

RT: 7.007 min Scan# 709

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

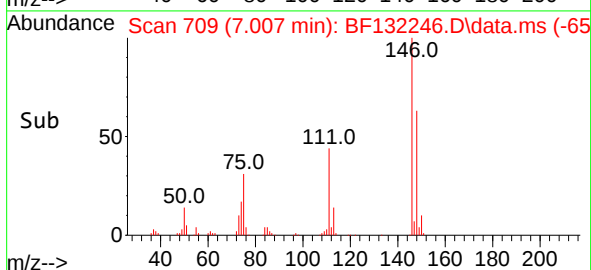
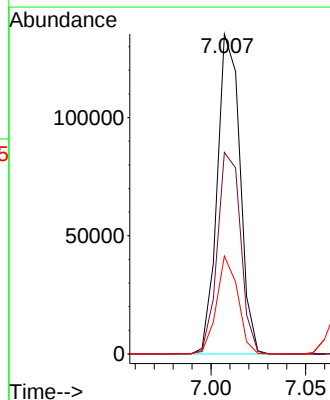
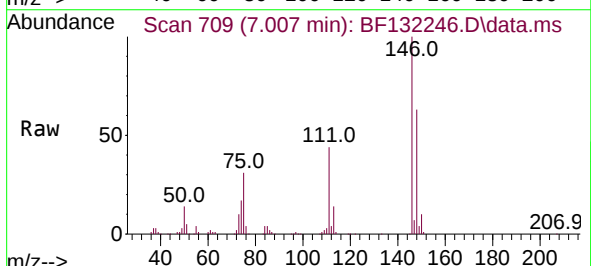
Tgt Ion:146 Resp: 113359

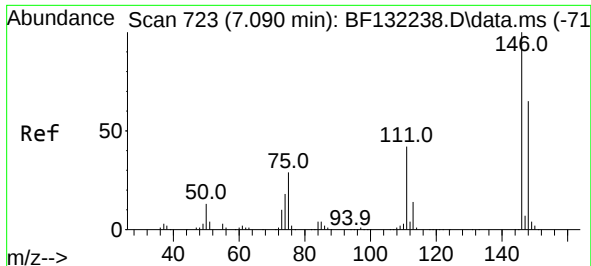
Ion Ratio Lower Upper

146 100

148 63.0 51.8 77.8

75 30.6 23.5 35.3





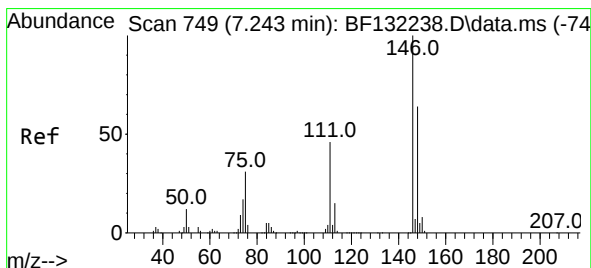
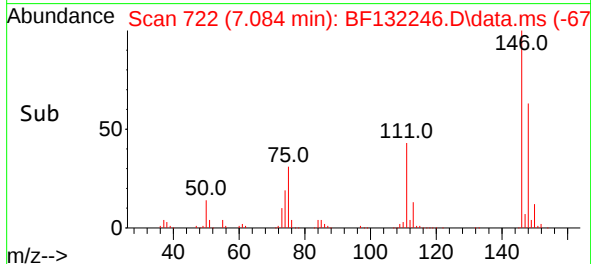
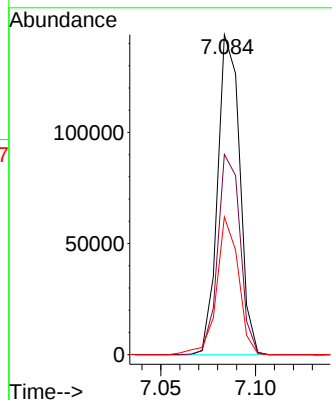
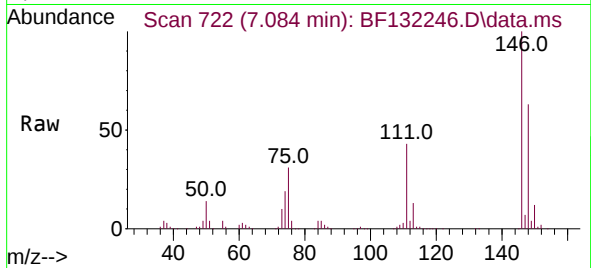
#13
1,4-Dichlorobenzene
Concen: 10.159 ng
RT: 7.084 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:146 Resp: 116752
Ion Ratio Lower Upper
146 100
148 62.6 52.4 78.6
111 43.0 34.0 51.0

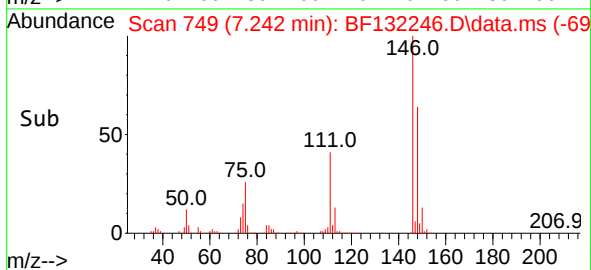
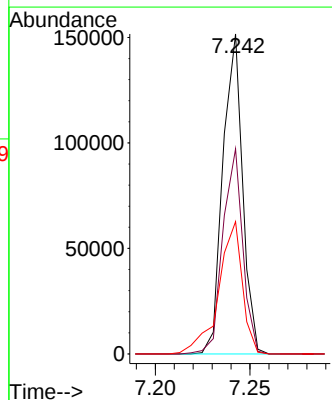
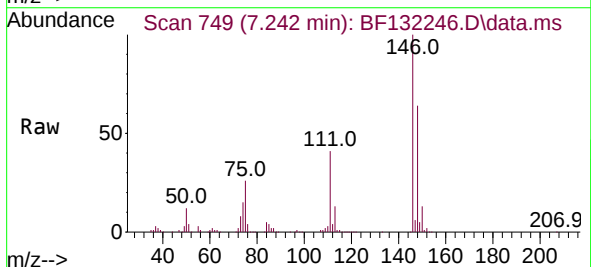
Manual Integrations
APPROVED

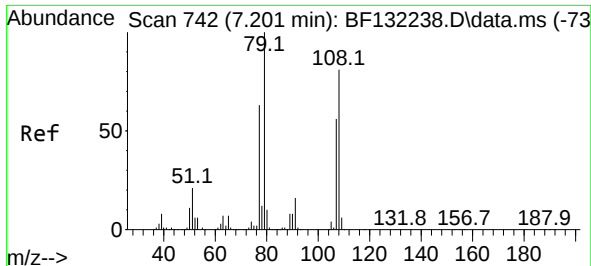
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#14
1,2-Dichlorobenzene
Concen: 10.189 ng
RT: 7.242 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

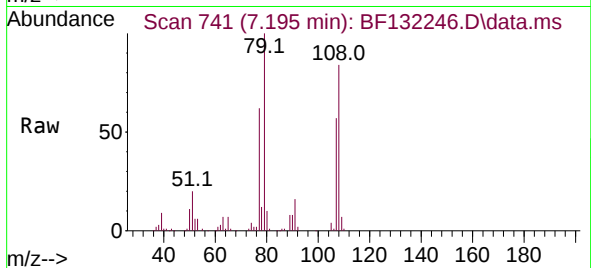
Tgt Ion:146 Resp: 109203
Ion Ratio Lower Upper
146 100
148 64.1 51.4 77.0
111 41.3 37.1 55.7





#15
Benzyl Alcohol
Concen: 10.133 ng m
RT: 7.195 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

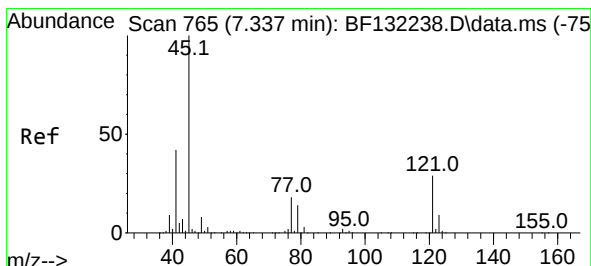
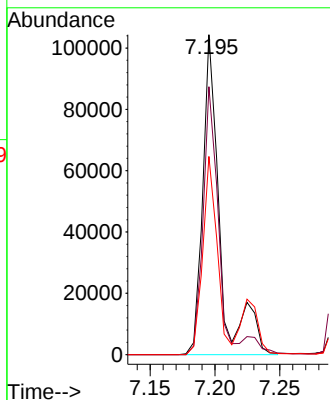
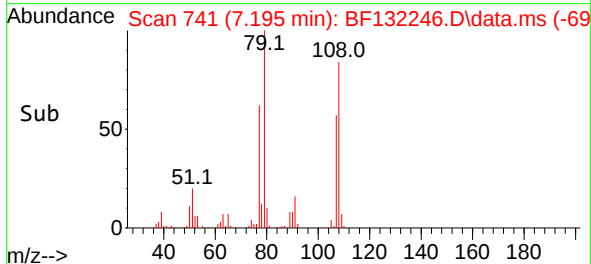
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 79 Resp: 95812
Ion Ratio Lower Upper
79 100
108 83.7 64.6 97.0
77 61.9 50.1 75.1

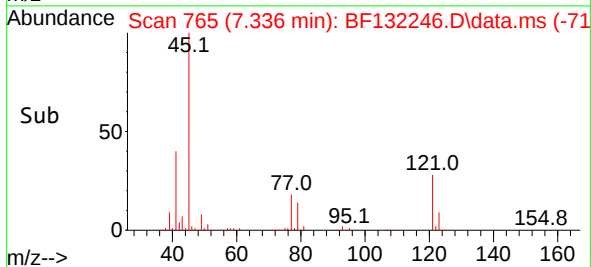
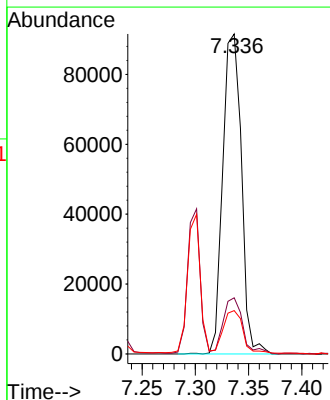
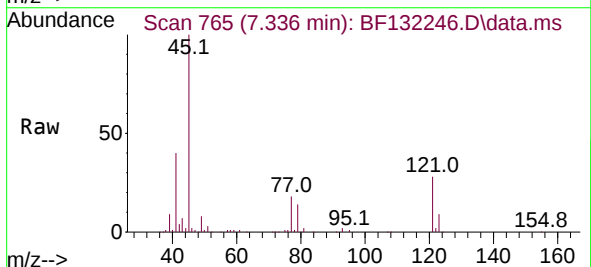
Manual Integrations
APPROVED

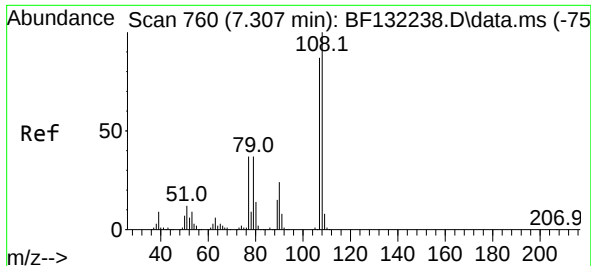
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.609 ng
RT: 7.336 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

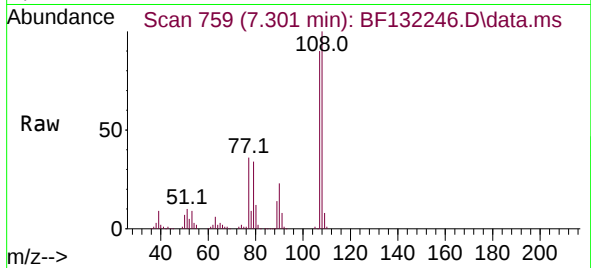
Tgt Ion: 45 Resp: 111745
Ion Ratio Lower Upper
45 100
77 17.5 0.0 38.0
79 13.5 0.0 33.8





#17
2-Methylphenol
Concen: 8.717 ng
RT: 7.301 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

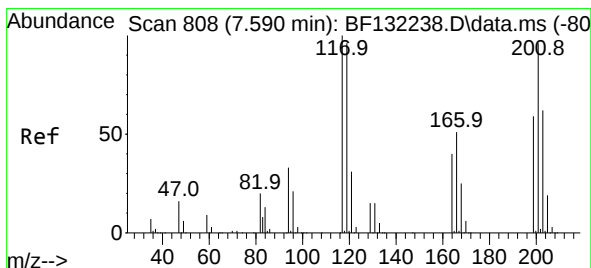
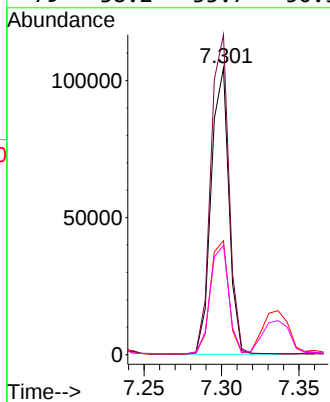
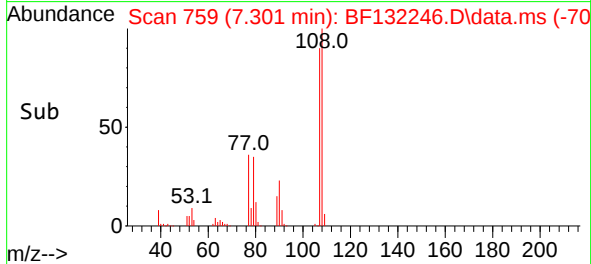
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:107 Resp: 83069
Ion Ratio Lower Upper
107 100
108 111.6 91.8 137.6
77 39.7 34.2 51.2
79 38.2 33.7 50.5

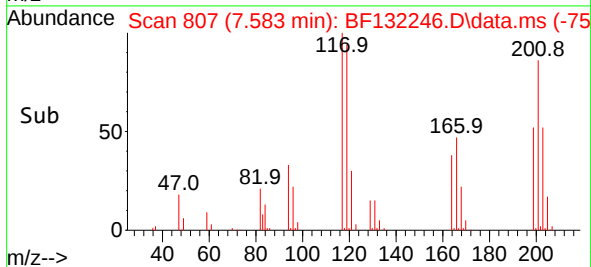
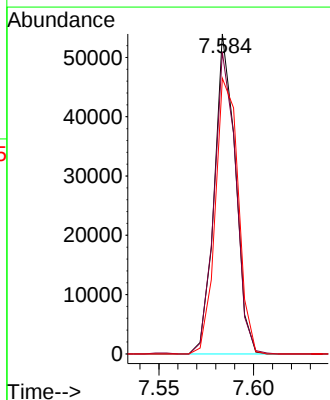
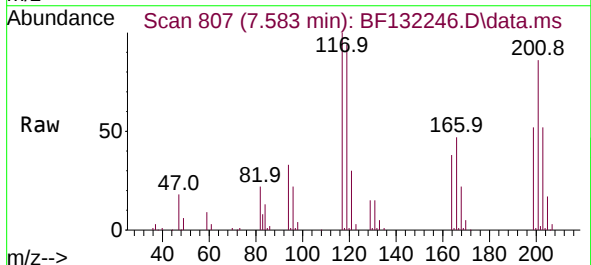
Manual Integrations
APPROVED

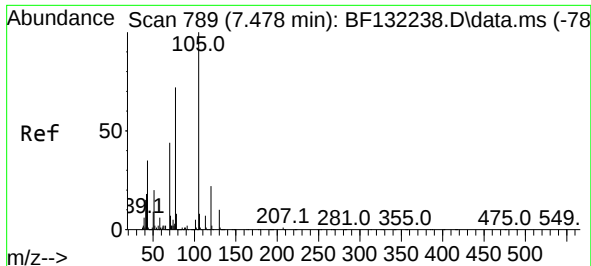
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#18
Hexachloroethane
Concen: 9.660 ng
RT: 7.583 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

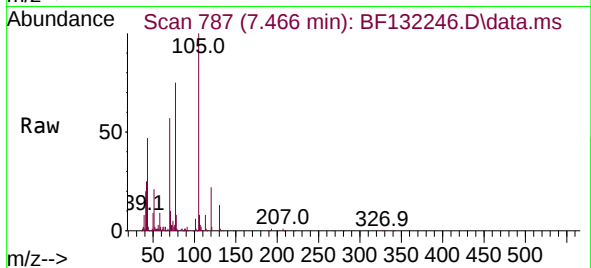
Tgt Ion:117 Resp: 41648
Ion Ratio Lower Upper
117 100
119 94.3 76.7 115.1
201 86.1 76.6 114.8





#19
n-Nitroso-di-n-propylamine
Concen: 9.571 ng
RT: 7.466 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

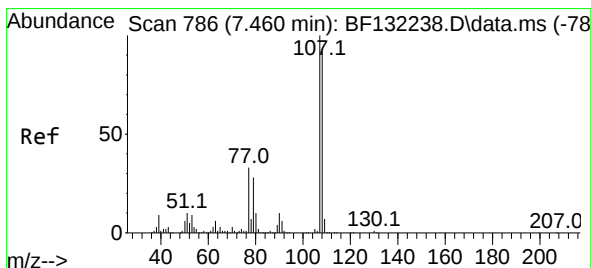
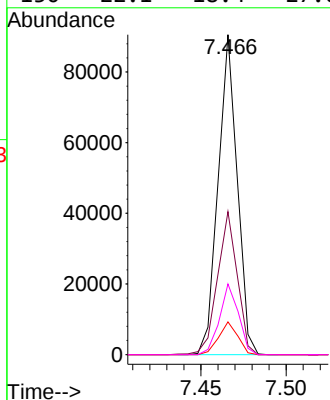
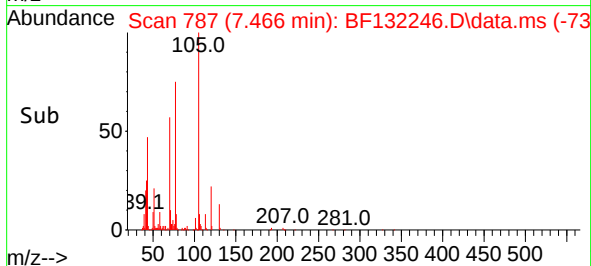
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



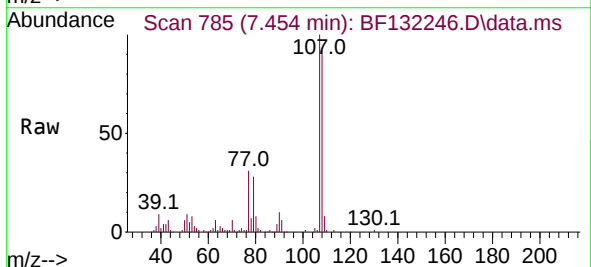
Tgt Ion: 70 Resp: 70448
Ion Ratio Lower Upper
70 100
42 44.7 33.4 50.0
101 10.2 8.2 12.4
130 22.1 18.4 27.6

Manual Integrations
APPROVED

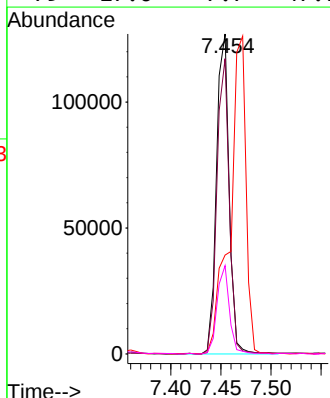
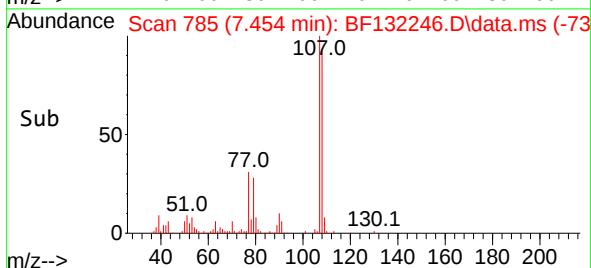
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

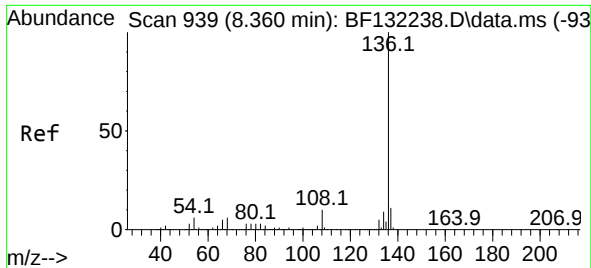


#20
3+4-Methylphenols
Concen: 9.117 ng
RT: 7.454 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



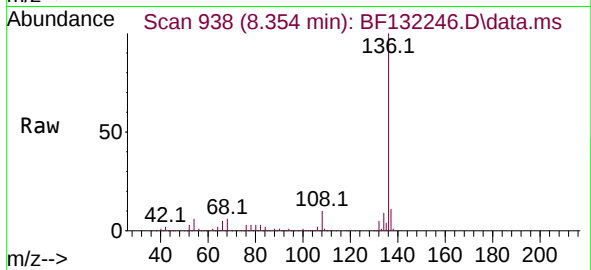
Tgt Ion:107 Resp: 110881
Ion Ratio Lower Upper
107 100
108 92.3 71.6 111.6
77 30.9 13.4 53.4
79 27.6 7.7 47.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 939
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

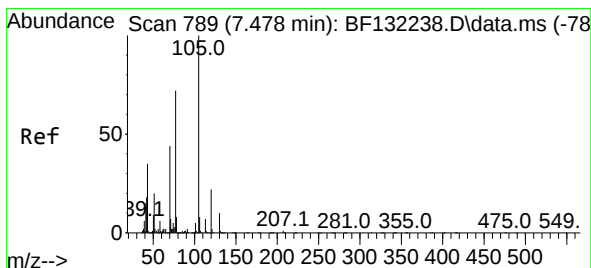
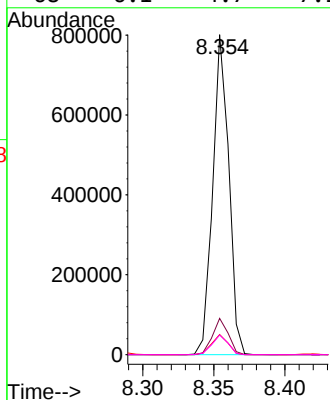
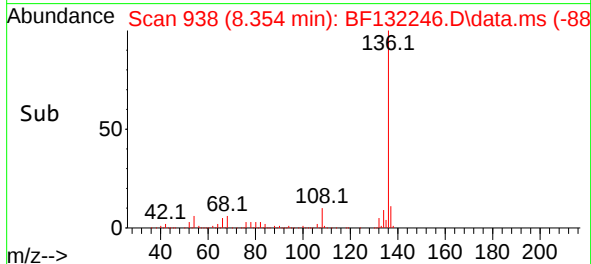
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:136 Resp: 630361
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 6.3 4.9 7.3
68 6.1 4.7 7.1

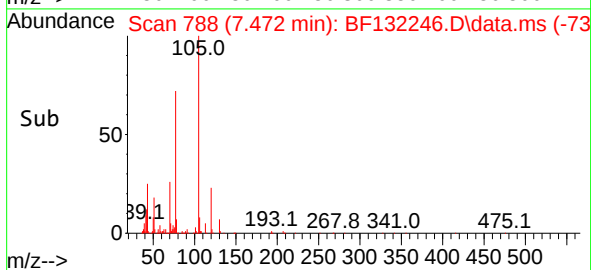
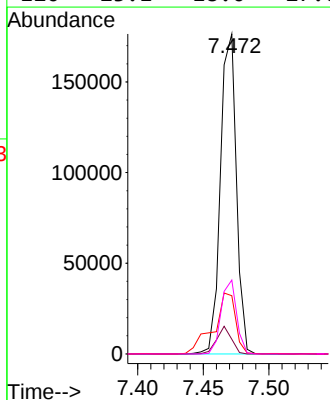
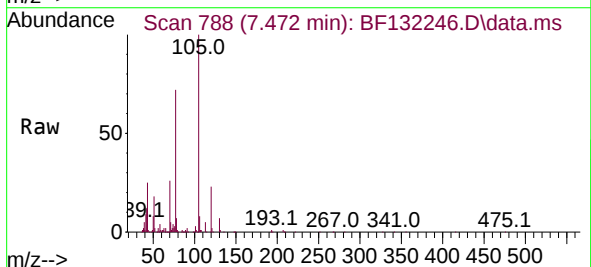
Manual Integrations
APPROVED

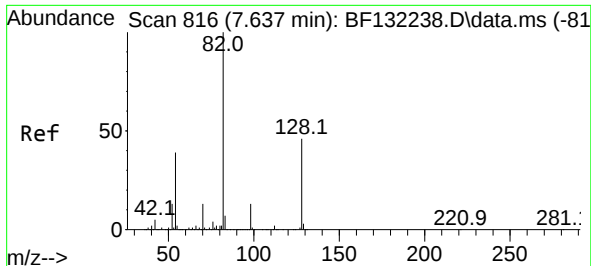
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#22
Acetophenone
Concen: 10.107 ng
RT: 7.472 min Scan# 788
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

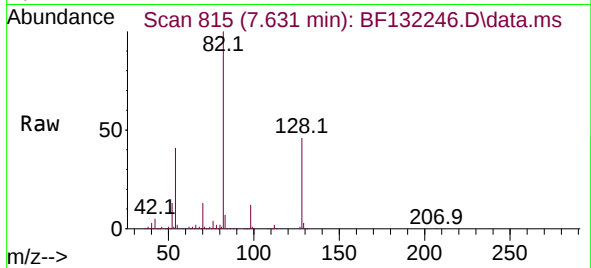
Tgt Ion:105 Resp: 149830
Ion Ratio Lower Upper
105 100
71 4.6 5.8 8.6#
51 18.2 16.2 24.2
120 23.1 18.0 27.0





#23
Nitrobenzene-d5
Concen: 78.347 ng
RT: 7.631 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

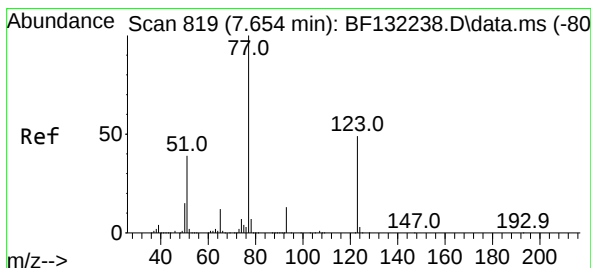
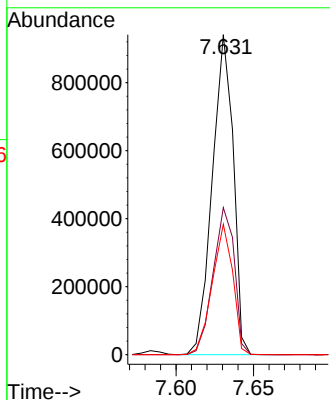
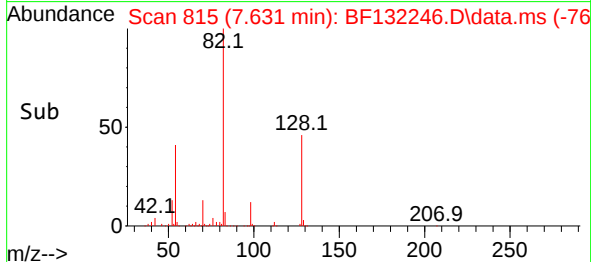
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 82 Resp: 887496
Ion Ratio Lower Upper
82 100
128 45.9 37.0 55.4
54 40.7 31.5 47.3

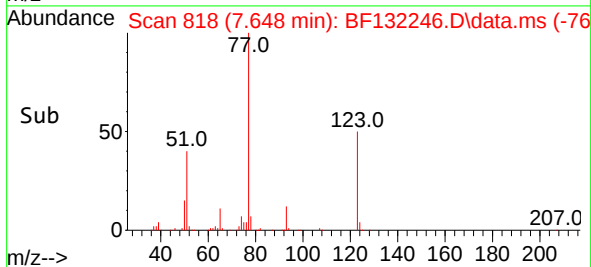
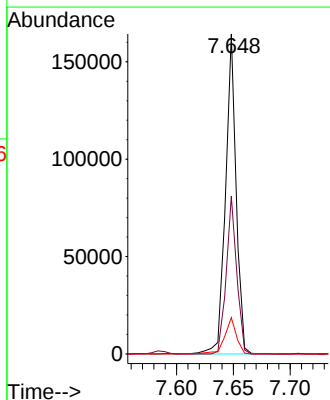
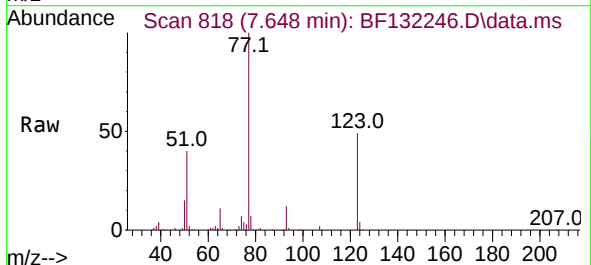
Manual Integrations
APPROVED

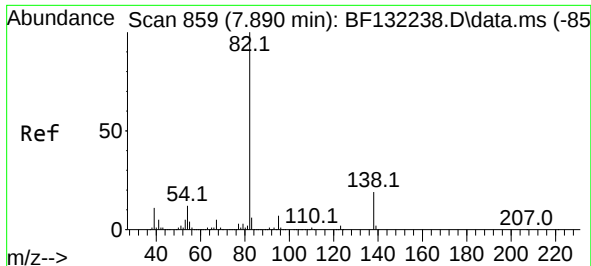
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#24
Nitrobenzene
Concen: 9.229 ng
RT: 7.648 min Scan# 818
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

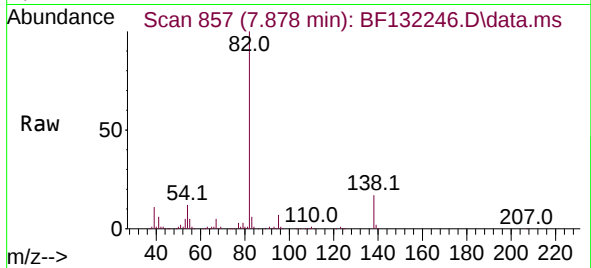
Tgt Ion: 77 Resp: 106809
Ion Ratio Lower Upper
77 100
123 49.3 39.5 59.3
65 11.3 9.8 14.8





#25
Isophorone
Concen: 9.177 ng
RT: 7.878 min Scan# 857
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

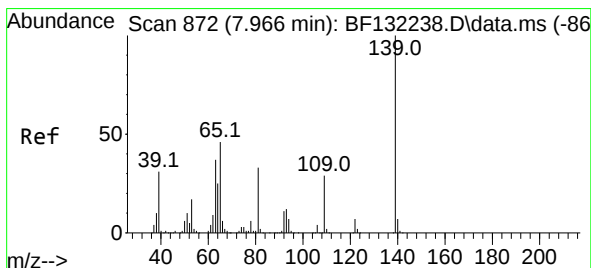
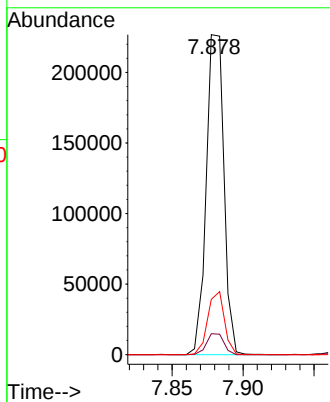
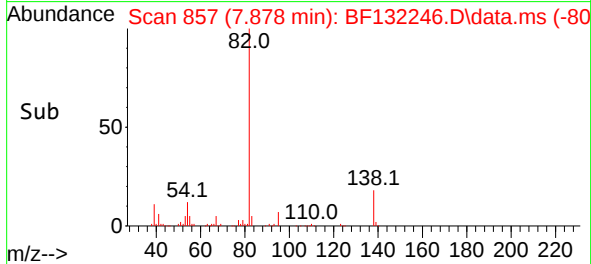
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 82 Resp: 197318
Ion Ratio Lower Upper
82 100
95 6.5 5.6 8.4
138 17.3 15.0 22.6

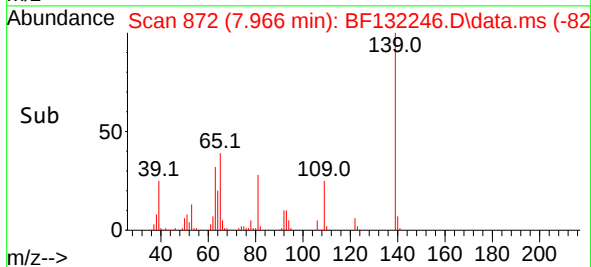
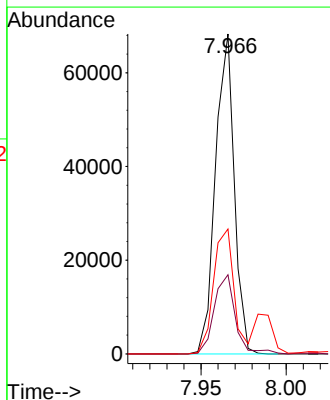
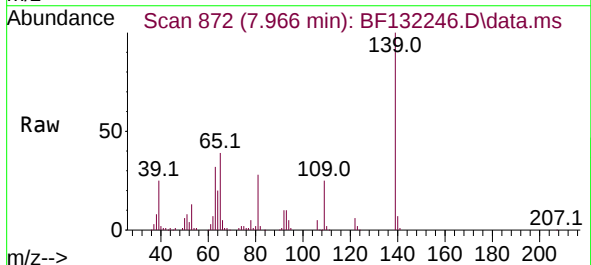
Manual Integrations
APPROVED

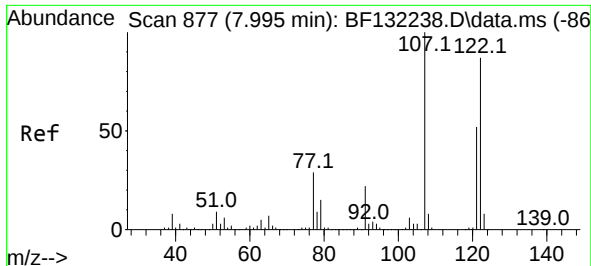
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#26
2-Nitrophenol
Concen: 9.286 ng
RT: 7.966 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

Tgt Ion:139 Resp: 52347
Ion Ratio Lower Upper
139 100
109 24.7 23.0 34.6
65 39.0 36.6 55.0





#27

2,4-Dimethylphenol

Concen: 8.699 ng

RT: 7.989 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA_F

ClientSampleId :

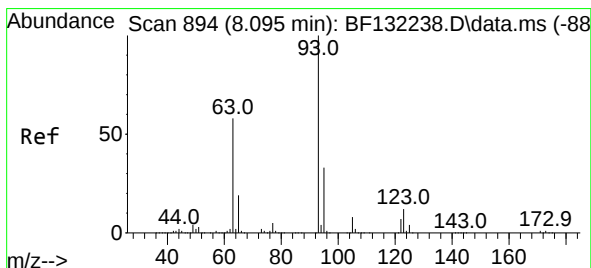
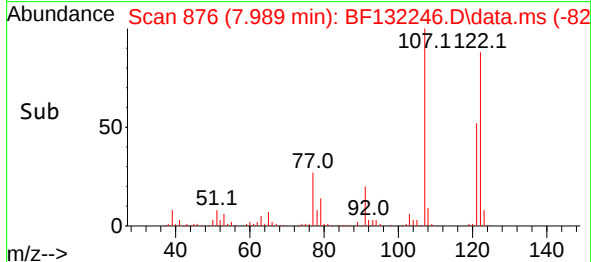
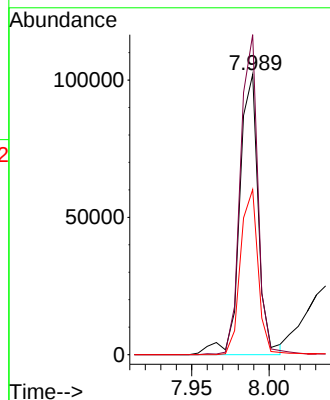
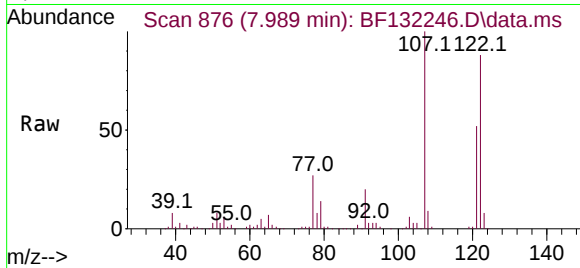
MDL-SOIL-03-QT3-2022

Tgt Ion:	122	Resp:	8582
Ion Ratio	Lower	Upper	
122	100		
107	114.2	91.9	137.9
121	58.9	47.8	71.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#28

bis(2-Chloroethoxy)methane

Concen: 9.612 ng

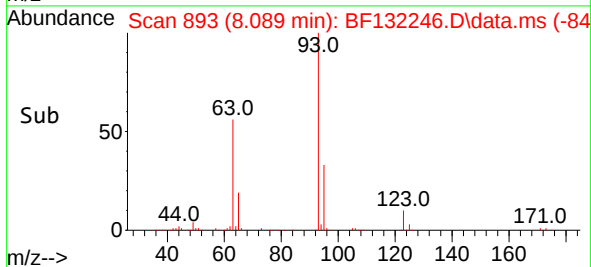
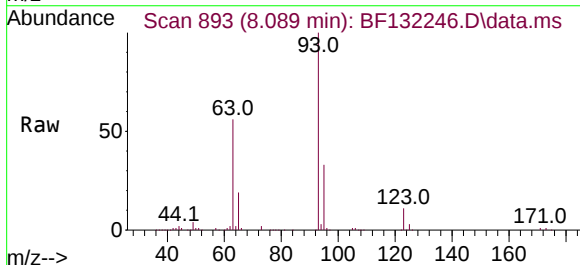
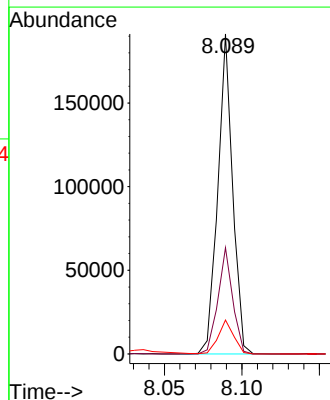
RT: 8.089 min Scan# 893

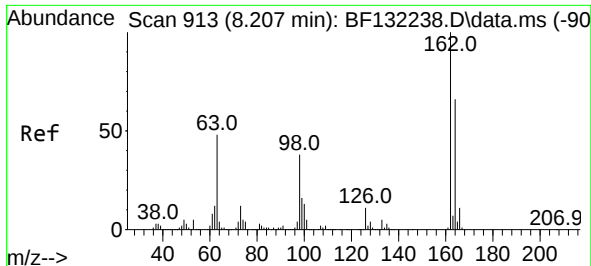
Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Tgt Ion:	93	Resp:	126994
Ion Ratio	Lower	Upper	
93	100		
95	33.2	26.6	40.0
123	10.6	9.5	14.3





#29

2,4-Dichlorophenol

Concen: 9.459 ng

RT: 8.201 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA_F

ClientSampleId :

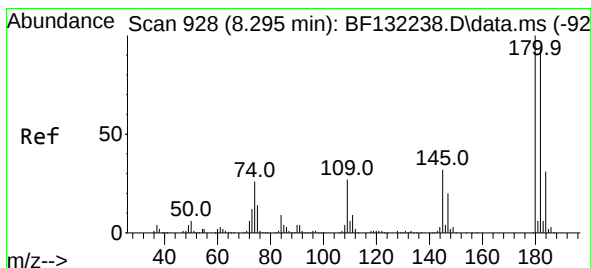
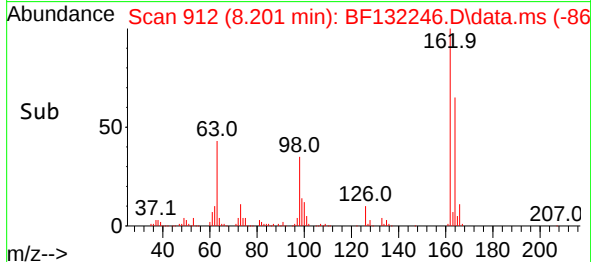
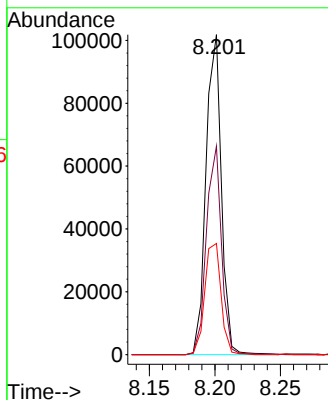
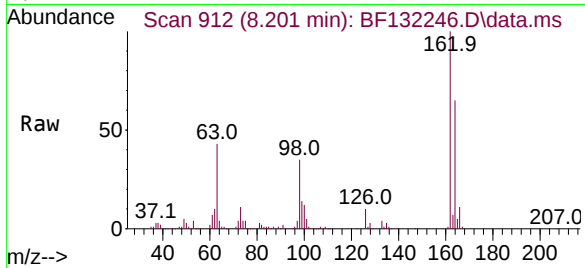
MDL-SOIL-03-QT3-2022

Tgt Ion:162 Resp: 82863
 Ion Ratio Lower Upper
 162 100
 164 65.1 46.4 86.4
 98 34.7 17.8 57.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023
 Supervised By :Jagrut Upadhyay 02/01/2023



#30

1,2,4-Trichlorobenzene

Concen: 9.781 ng

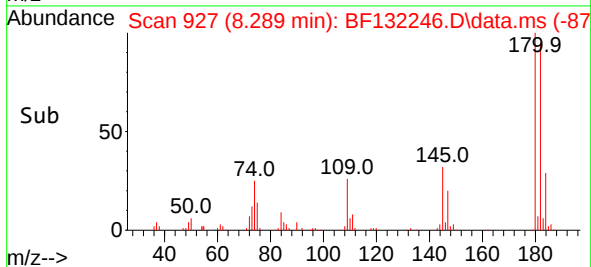
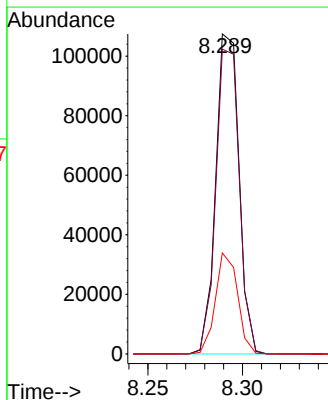
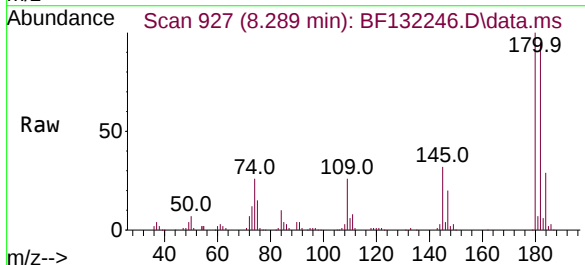
RT: 8.289 min Scan# 927

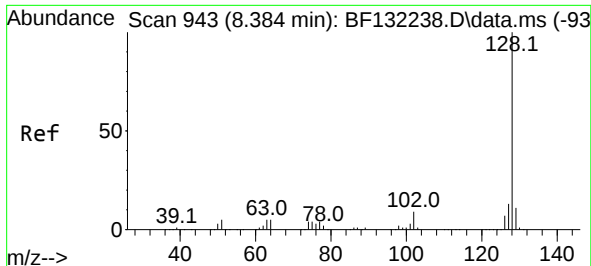
Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

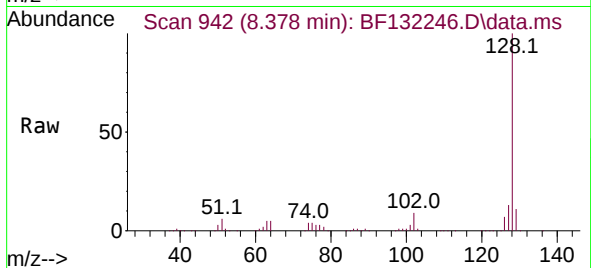
Tgt Ion:180 Resp: 91749
 Ion Ratio Lower Upper
 180 100
 182 95.3 74.6 112.0
 145 31.5 25.3 37.9





#31
Naphthalene
Concen: 9.848 ng
RT: 8.378 min Scan# 943
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

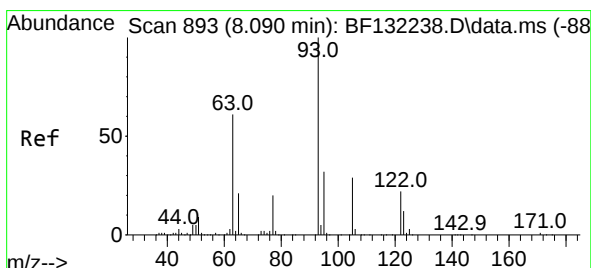
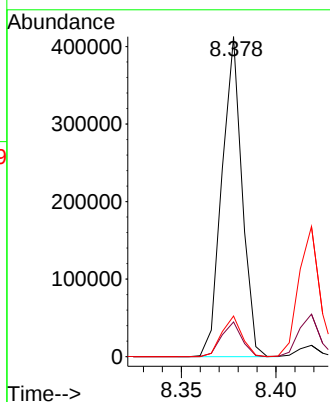
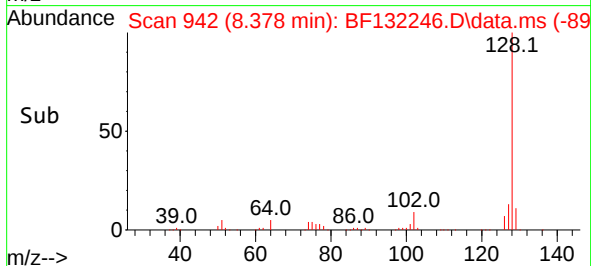
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:128 Resp: 305572
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.7 10.5 15.7

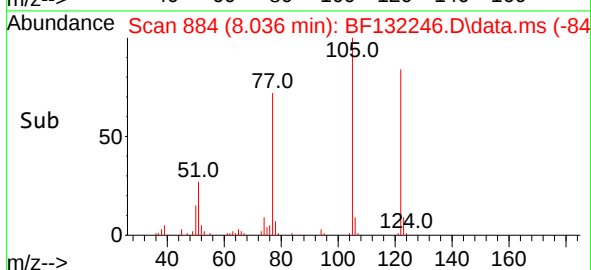
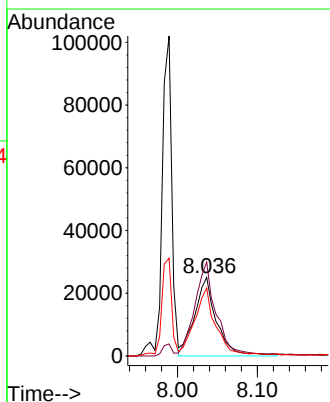
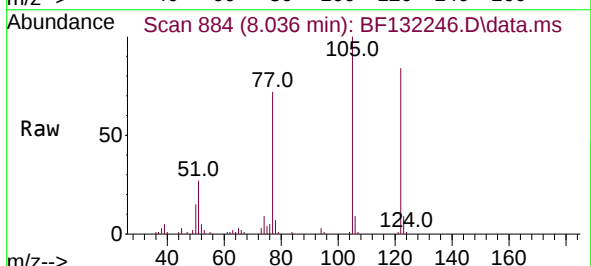
Manual Integrations
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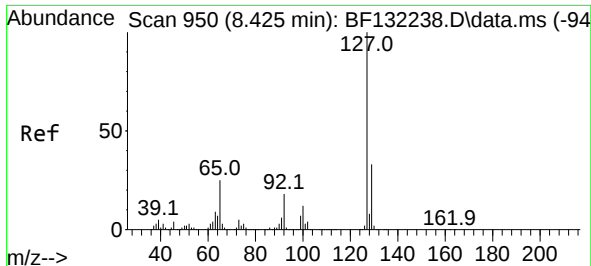
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#32
Benzoic acid
Concen: 6.553 ng m
RT: 8.036 min Scan# 884
Delta R.T. -0.054 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

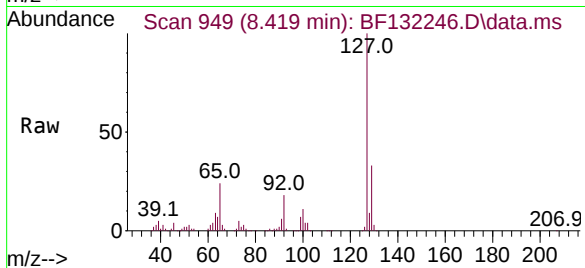
Tgt Ion:122 Resp: 47860
Ion Ratio Lower Upper
122 100
105 119.7 106.3 146.3
77 86.6 70.6 110.6





#33
4-Chloroaniline
Concen: 9.302 ng
RT: 8.419 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

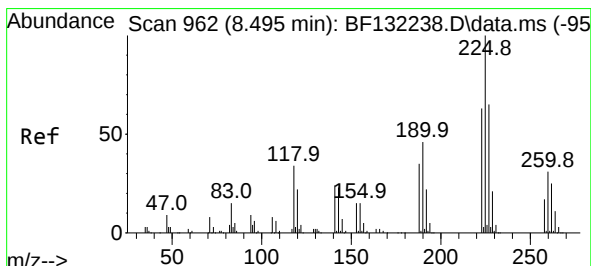
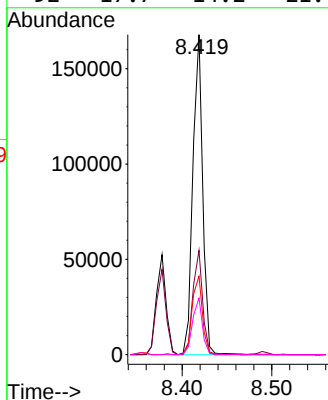
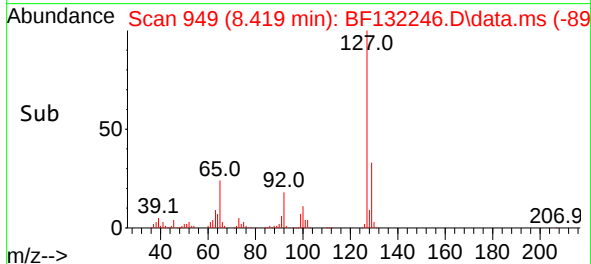
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2022



Tgt Ion:127 Resp: 127990
Ion Ratio Lower Upper
127 100
129 32.6 26.6 39.8
65 24.5 20.2 30.2
92 17.7 14.2 21.4

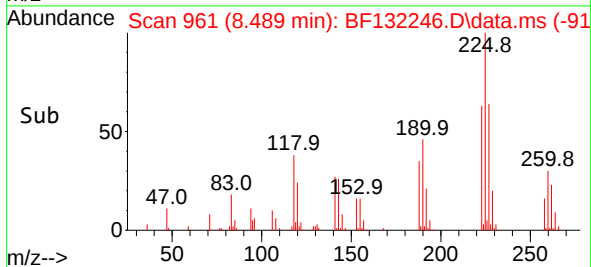
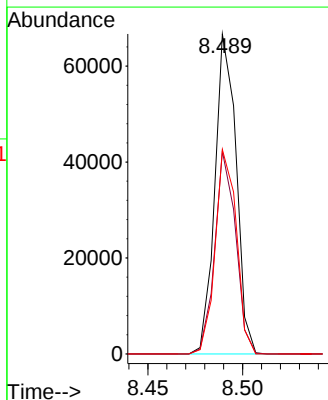
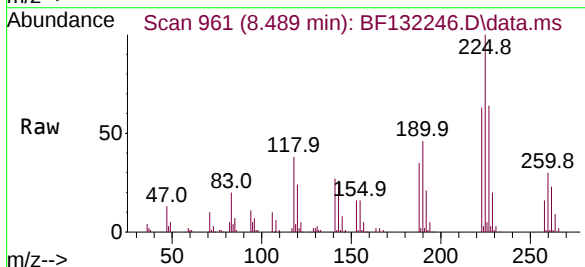
Manual Integrations
APPROVED

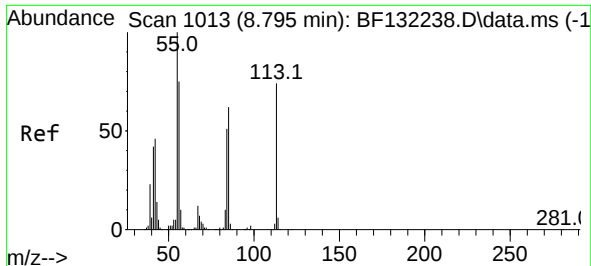
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#34
Hexachlorobutadiene
Concen: 9.851 ng
RT: 8.489 min Scan# 961
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

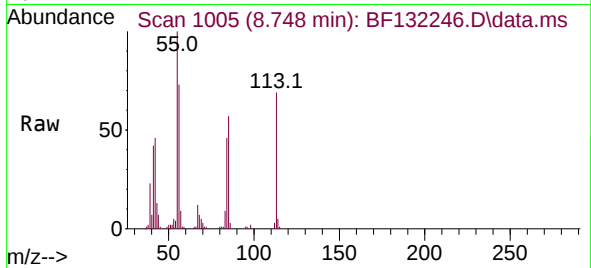
Tgt Ion:225 Resp: 51951
Ion Ratio Lower Upper
225 100
223 63.3 50.6 75.8
227 63.9 51.7 77.5





#35
Caprolactam
Concen: 9.099 ng
RT: 8.748 min Scan# 1013
Delta R.T. -0.047 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

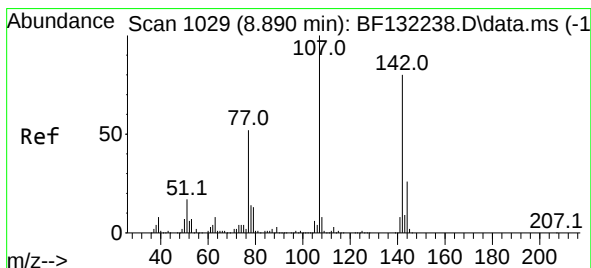
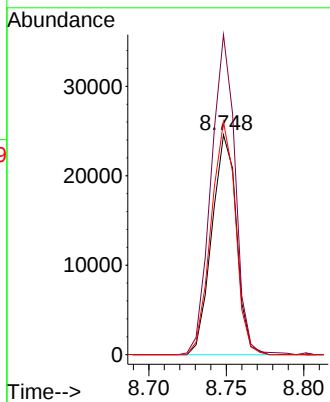
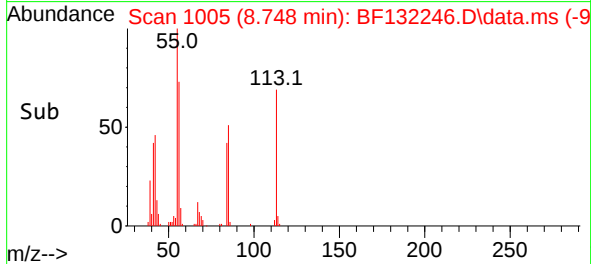
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



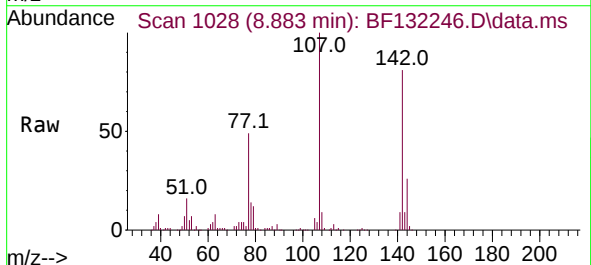
Tgt Ion:113 Resp: 27172
Ion Ratio Lower Upper
113 100
55 145.6 114.7 154.7
56 105.8 81.1 121.1

Manual Integrations
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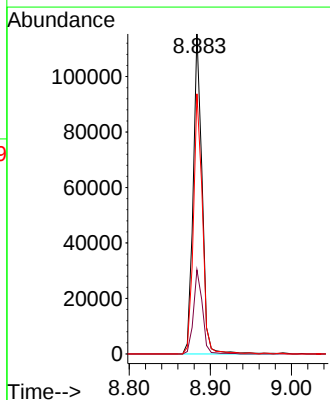
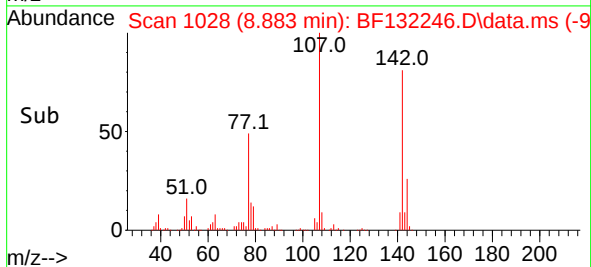
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

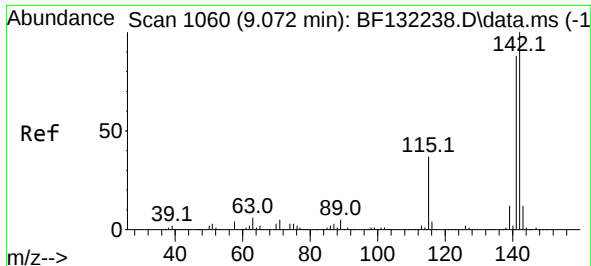


#36
4-Chloro-3-methylphenol
Concen: 9.281 ng
RT: 8.883 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



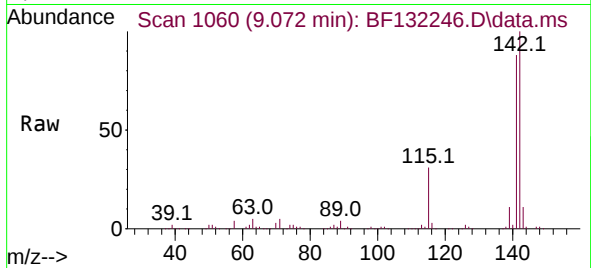
Tgt Ion:107 Resp: 87584
Ion Ratio Lower Upper
107 100
144 26.3 20.5 30.7
142 81.3 63.6 95.4





#37
2-Methylnaphthalene
Concen: 9.693 ng
RT: 9.072 min Scan# 1060
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

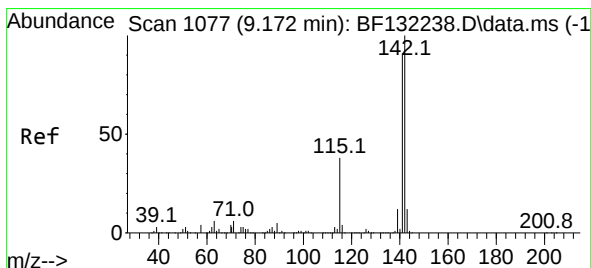
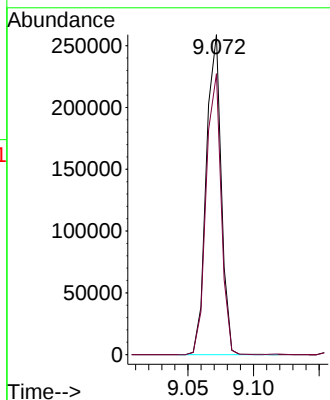
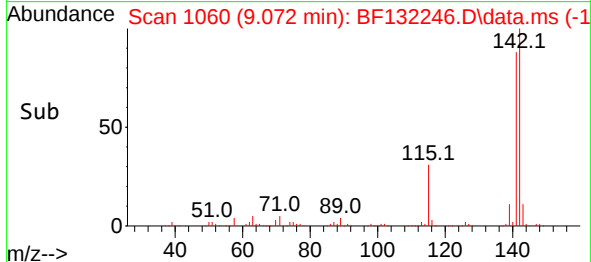
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:142 Resp: 203720
Ion Ratio Lower Upper
142 100
141 87.8 70.1 105.1

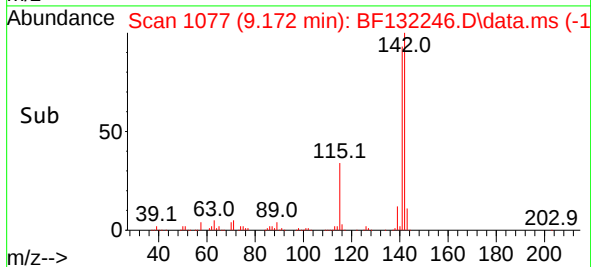
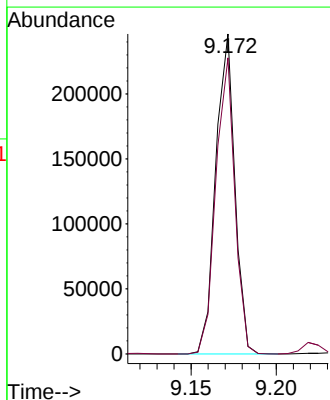
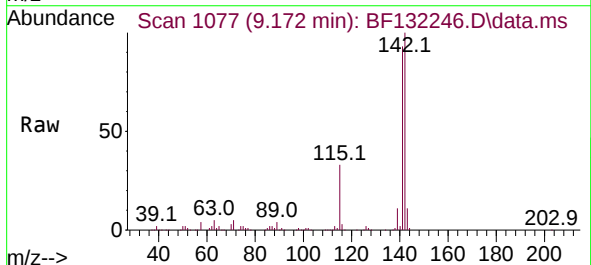
Manual Integrations
APPROVED

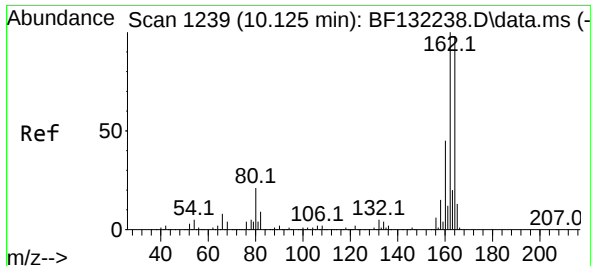
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#38
1-Methylnaphthalene
Concen: 9.825 ng
RT: 9.172 min Scan# 1077
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

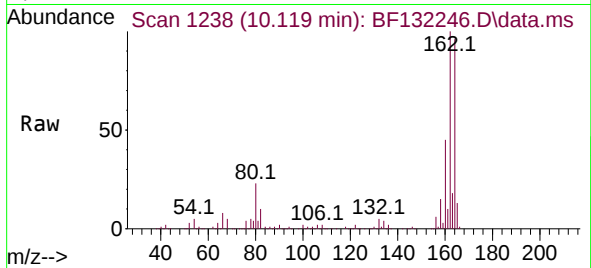
Tgt Ion:142 Resp: 191905
Ion Ratio Lower Upper
142 100
141 92.5 72.6 108.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

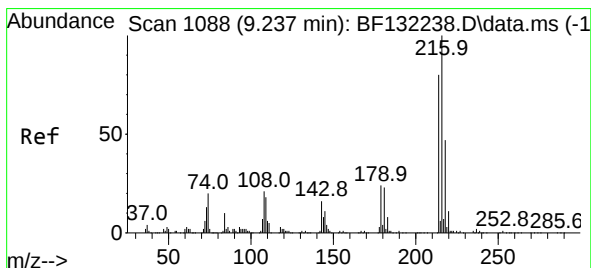
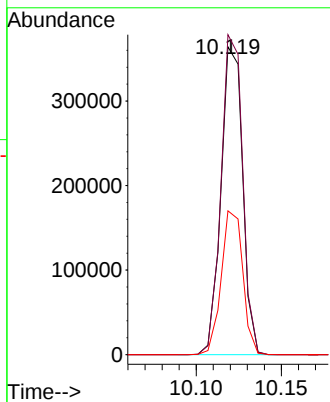
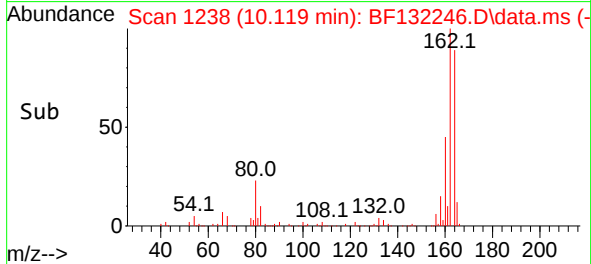
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:164 Resp: 321784
Ion Ratio Lower Upper
164 100
162 104.0 82.0 123.0
160 46.7 37.1 55.7

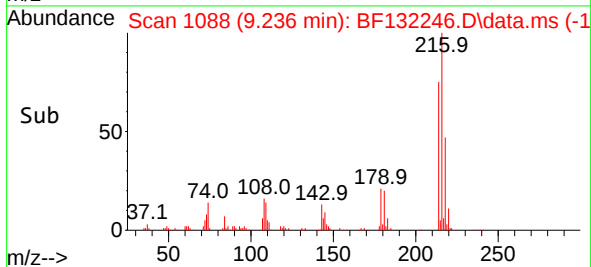
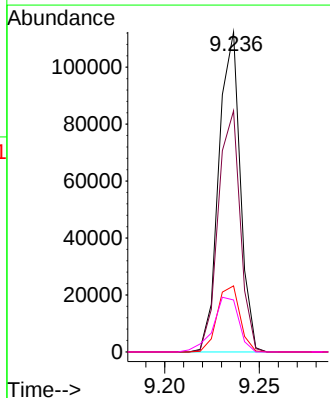
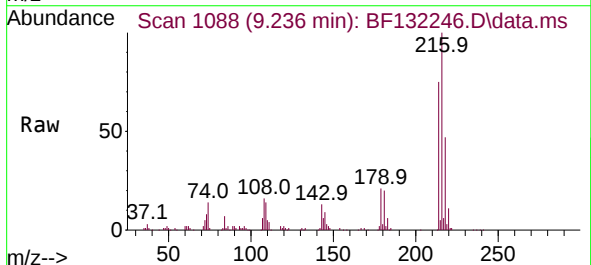
Manual Integrations
APPROVED

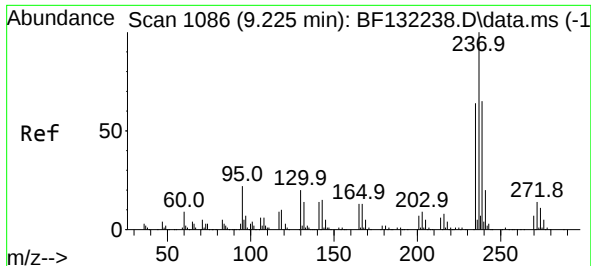
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.766 ng
RT: 9.236 min Scan# 1088
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

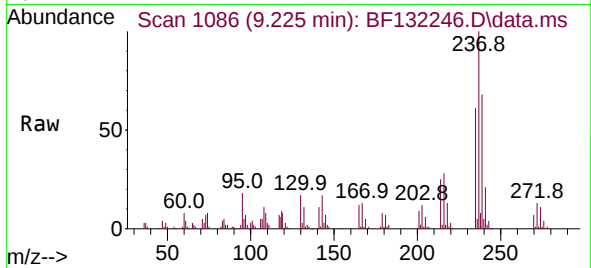
Tgt Ion:216 Resp: 88431
Ion Ratio Lower Upper
216 100
214 77.3 63.6 95.4
179 21.8 18.3 27.5
108 20.4 17.7 26.5





#41
Hexachlorocyclopentadiene
Concen: 9.378 ng
RT: 9.225 min Scan# 1086
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

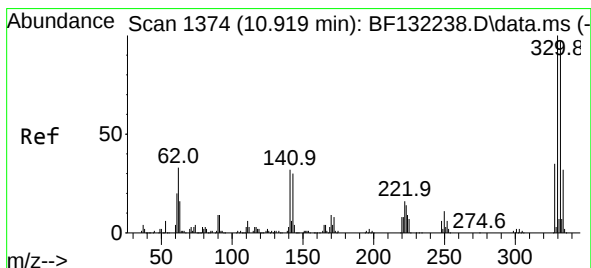
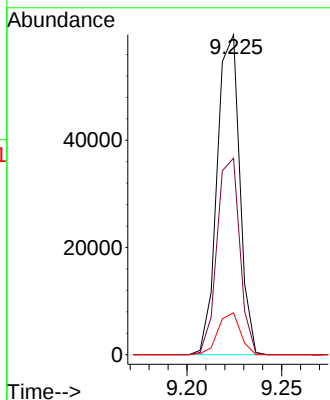
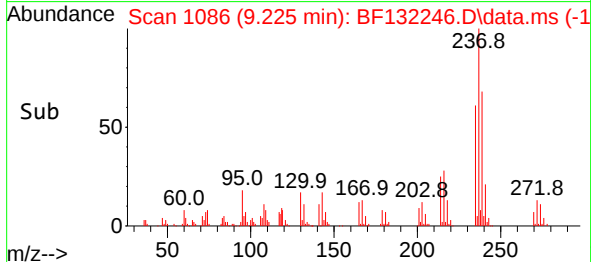
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



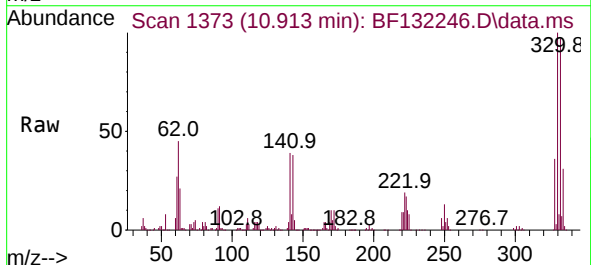
Tgt Ion: 237 Resp: 49544
Ion Ratio Lower Upper
237 100
235 61.4 43.5 83.5
272 13.1 0.0 33.6

Manual Integrations
APPROVED

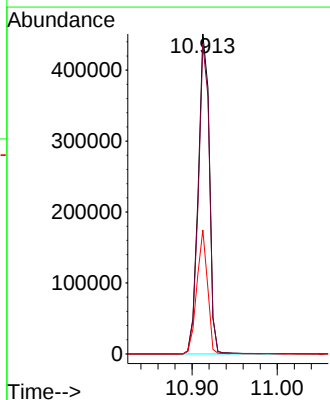
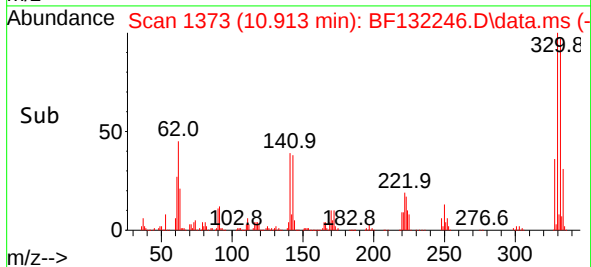
Reviewed By : Christian Giraldo 02/01/2023
Supervised By : Jagrut Upadhyay 02/01/2023

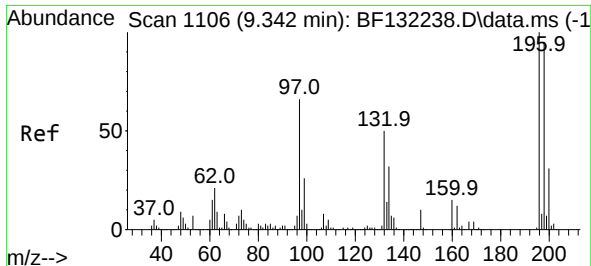


#42
2,4,6-Tribromophenol
Concen: 123.978 ng
RT: 10.913 min Scan# 1373
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



Tgt Ion: 330 Resp: 410256
Ion Ratio Lower Upper
330 100
332 96.4 77.9 116.9
141 36.8 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 9.065 ng

RT: 9.342 min Scan# 1106

Delta R.T. -0.000 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

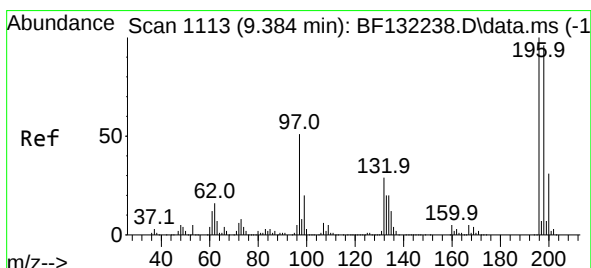
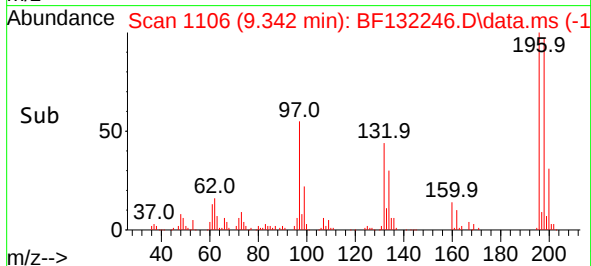
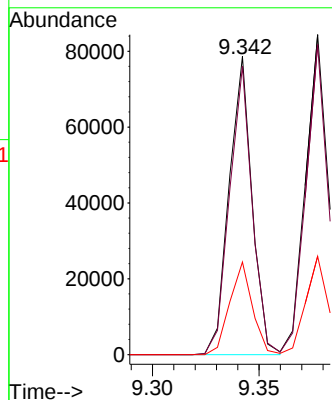
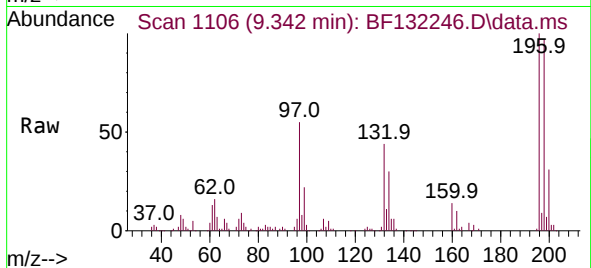
Tgt Ion:196 Resp: 58678
 Ion Ratio Lower Upper
 196 100
 198 96.8 75.9 113.9
 200 31.0 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#44

2,4,5-Trichlorophenol

Concen: 8.526 ng

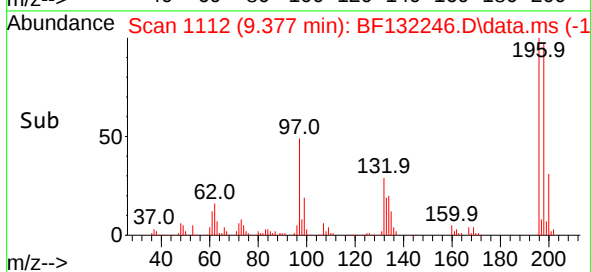
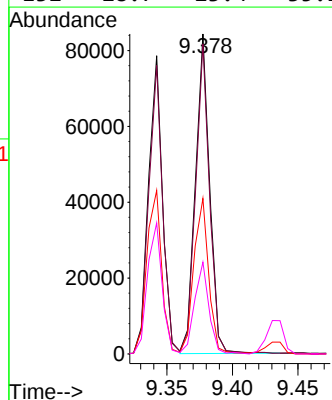
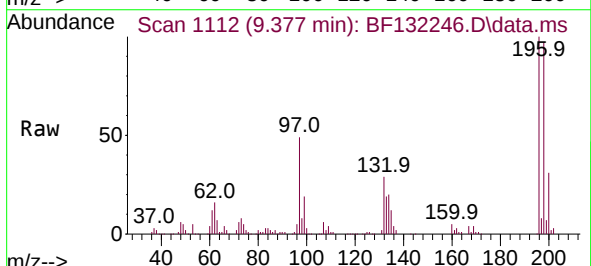
RT: 9.377 min Scan# 1112

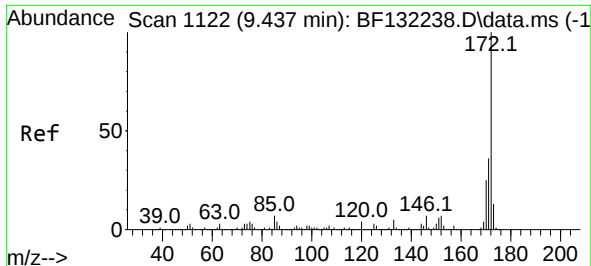
Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

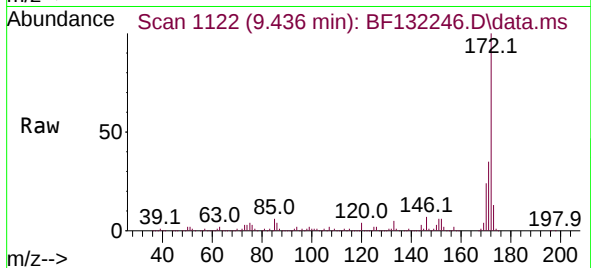
Tgt Ion:196 Resp: 63520
 Ion Ratio Lower Upper
 196 100
 198 96.9 77.0 115.4
 97 48.6 41.2 61.8
 132 28.7 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 73.485 ng
RT: 9.436 min Scan# 1122
Delta R.T. -0.001 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

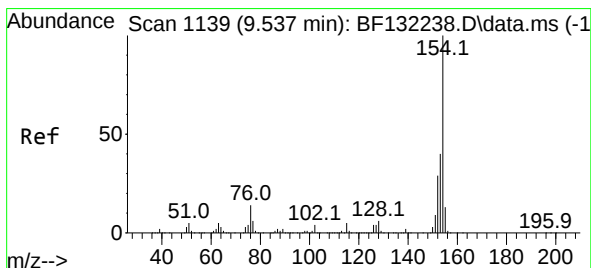
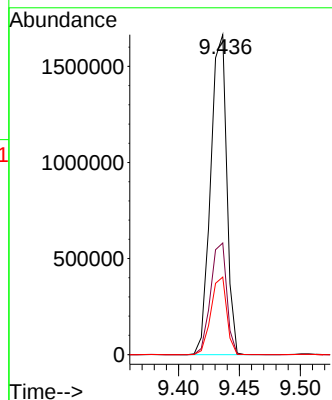
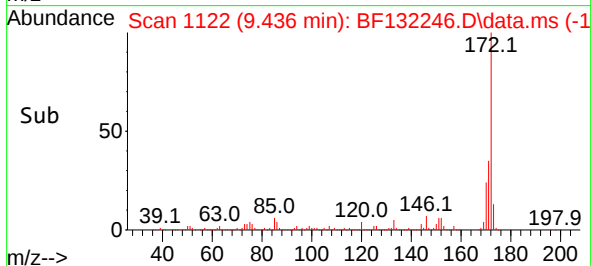
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



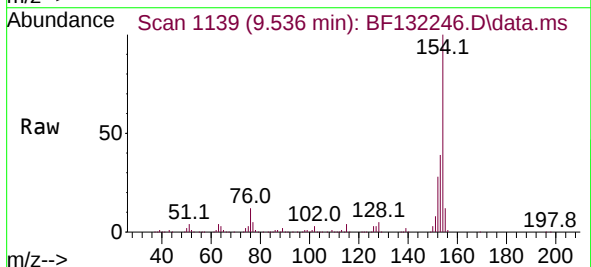
Tgt Ion:172 Resp: 153125
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 24.2 19.7 29.5

Manual Integrations
APPROVED

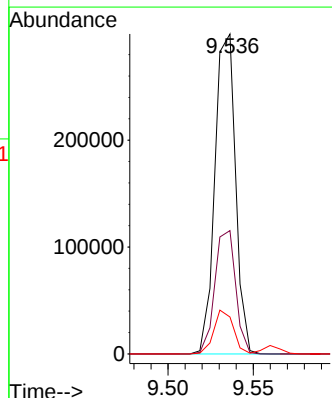
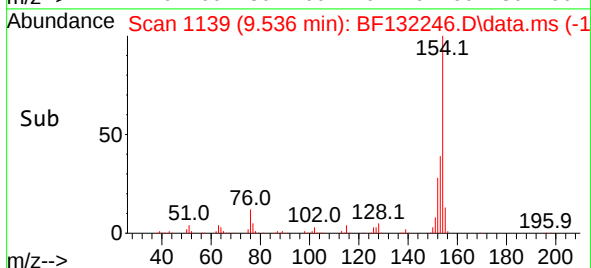
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

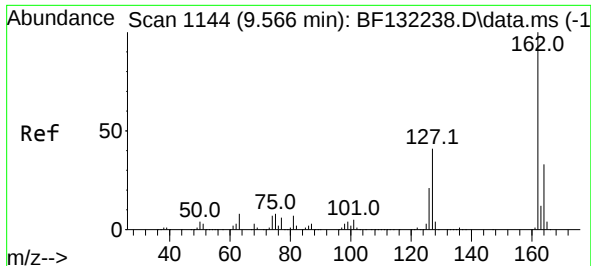


#46
1,1'-Biphenyl
Concen: 10.172 ng
RT: 9.536 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



Tgt Ion:154 Resp: 252340
Ion Ratio Lower Upper
154 100
153 38.5 19.9 59.9
76 11.5 0.0 34.0





#47

2-Chloronaphthalene

Concen: 10.014 ng

RT: 9.560 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF132246.D

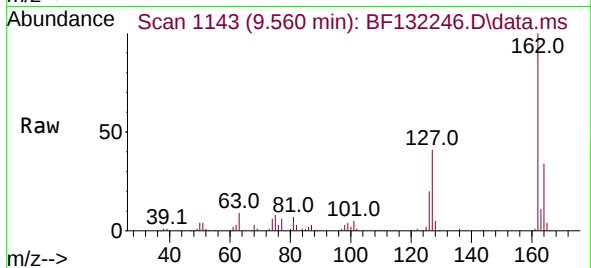
Acq: 31 Jan 2023 23:57

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:162 Resp: 189206

Ion Ratio Lower Upper

162 100

127 40.6 33.3 49.9

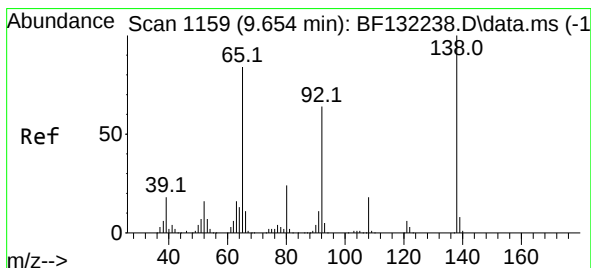
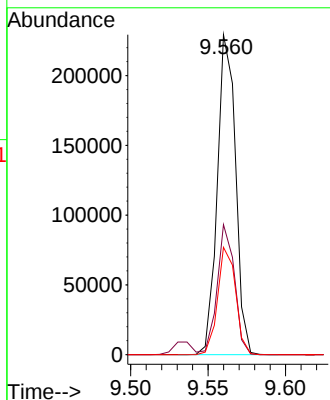
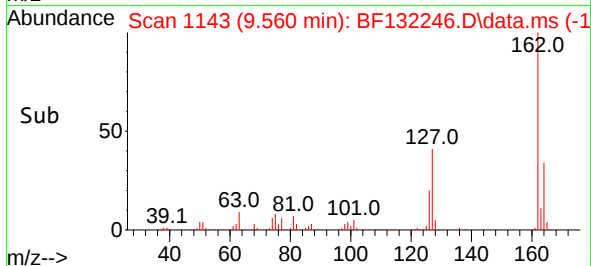
164 33.5 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#48

2-Nitroaniline

Concen: 8.808 ng

RT: 9.648 min Scan# 1158

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

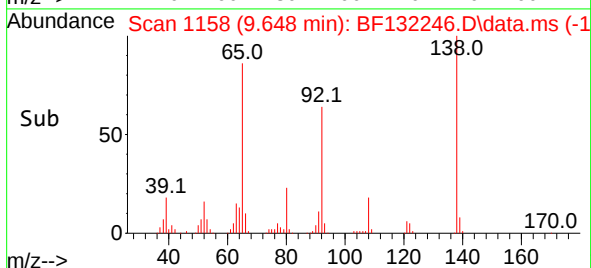
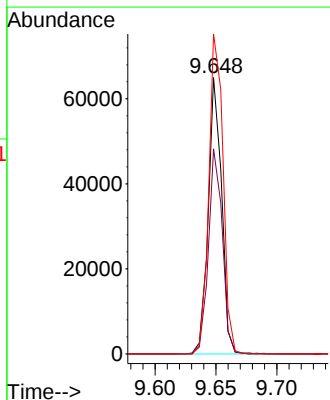
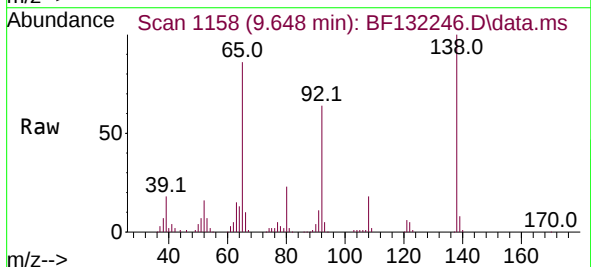
Tgt Ion: 65 Resp: 49494

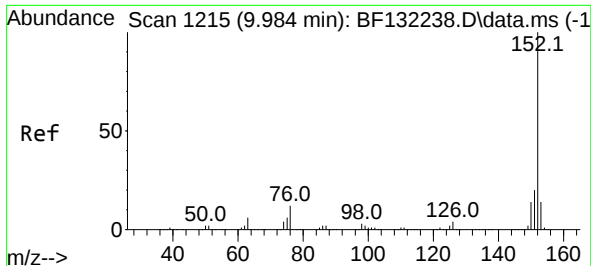
Ion Ratio Lower Upper

65 100

92 74.2 61.0 91.4

138 115.8 95.0 142.4





#49

Acenaphthylene

Concen: 9.660 ng

RT: 9.977 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF132246.D

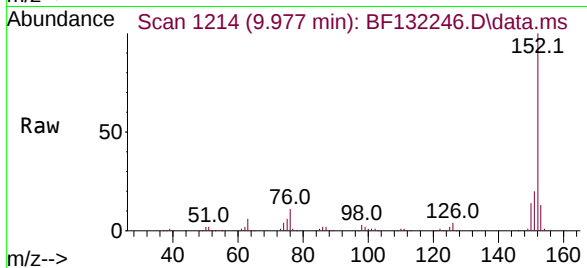
Acq: 31 Jan 2023 23:57

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:152 Resp: 297890

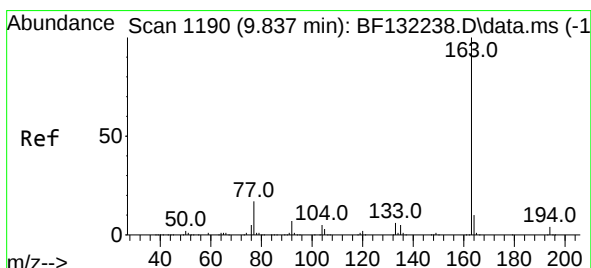
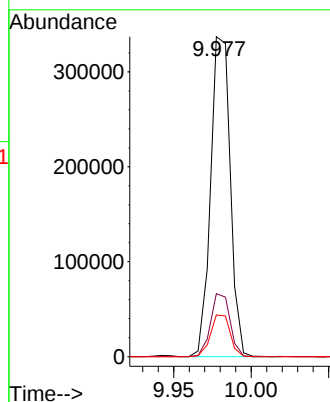
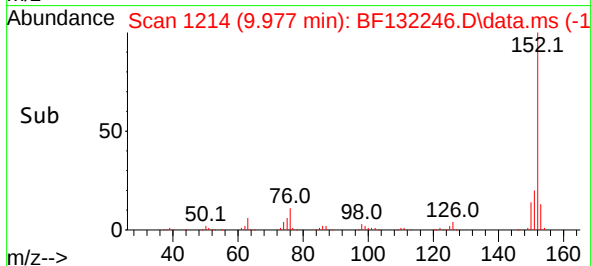
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.0	10.9	16.3

Manual Integrations

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Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#50

Dimethylphthalate

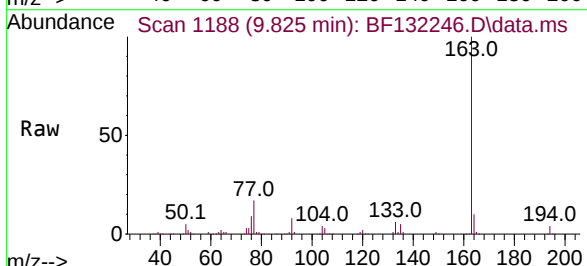
Concen: 9.505 ng

RT: 9.825 min Scan# 1188

Delta R.T. -0.012 min

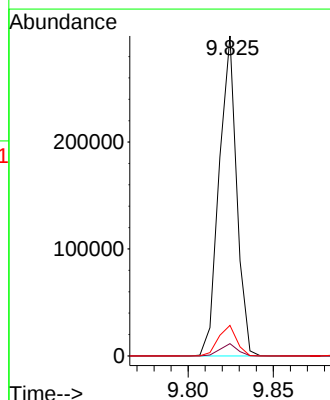
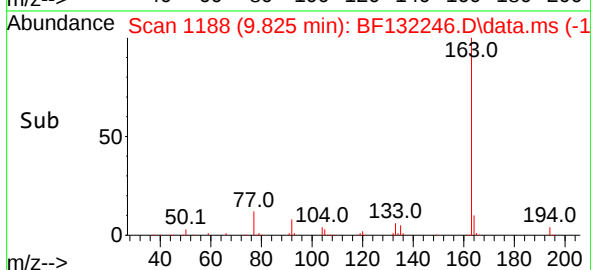
Lab File: BF132246.D

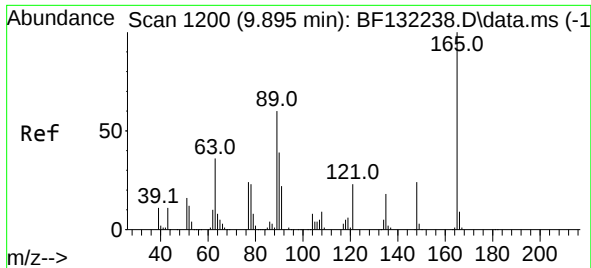
Acq: 31 Jan 2023 23:57



Tgt Ion:163 Resp: 213958

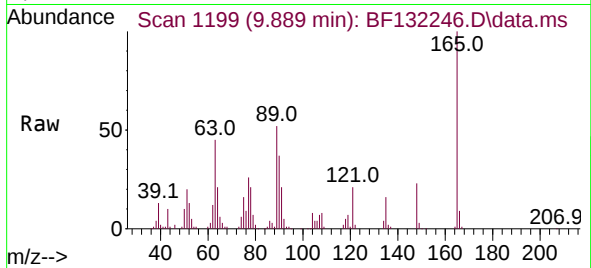
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	9.5	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 9.061 ng
RT: 9.889 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

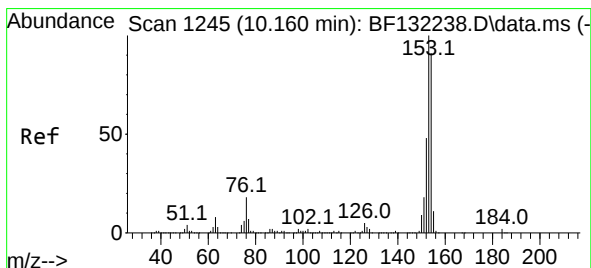
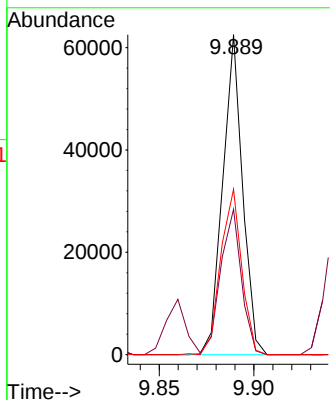
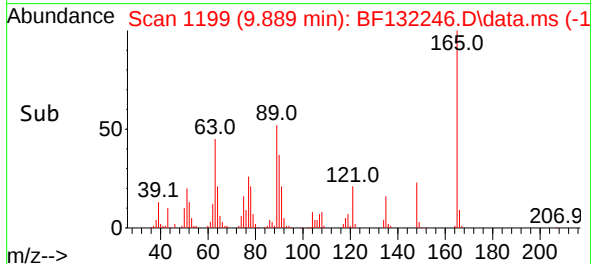
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



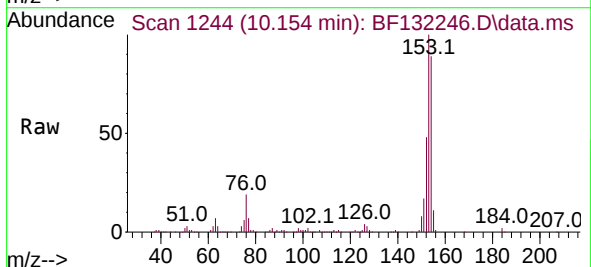
Tgt Ion:165 Resp: 4555
Ion Ratio Lower Upper
165 100
63 45.4 41.5 62.3
89 51.7 48.1 72.1

Manual Integrations
APPROVED

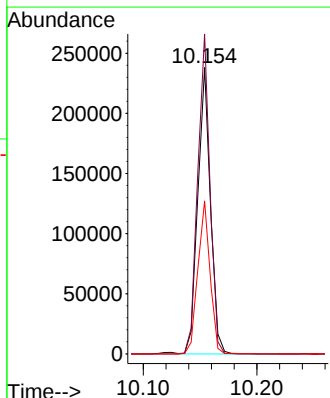
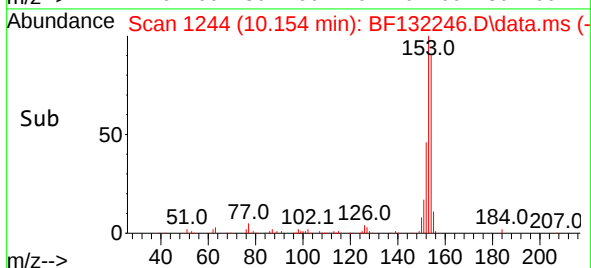
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

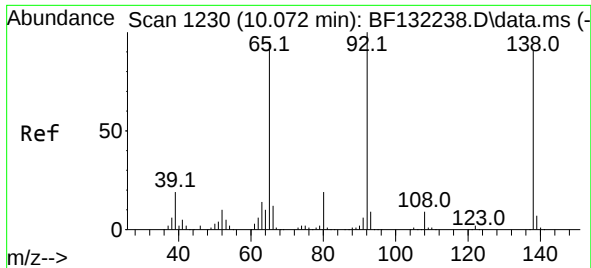


#52
Acenaphthene
Concen: 9.478 ng
RT: 10.154 min Scan# 1244
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



Tgt Ion:154 Resp: 182975
Ion Ratio Lower Upper
154 100
153 111.7 88.3 132.5
152 53.5 42.7 64.1





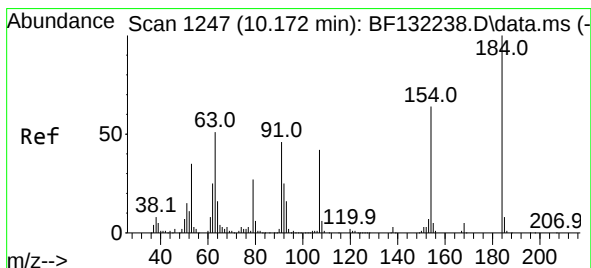
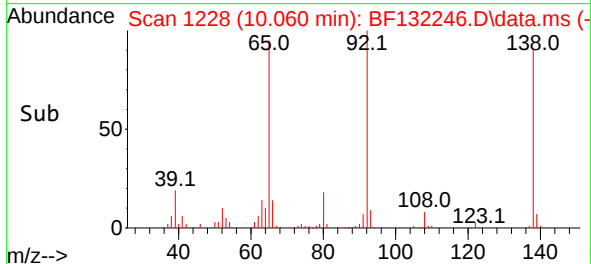
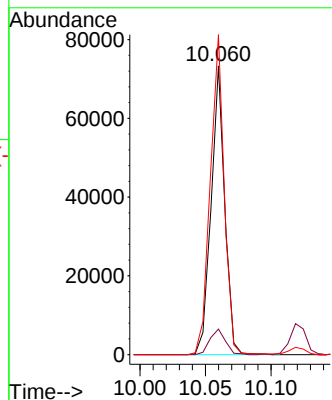
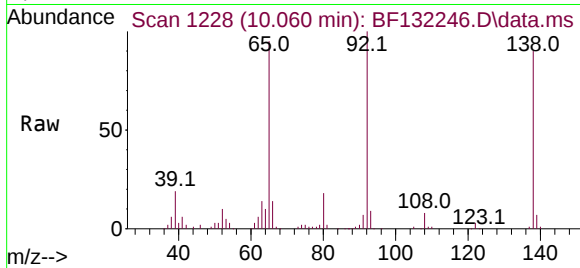
#53
3-Nitroaniline
Concen: 8.688 ng
RT: 10.060 min Scan# 1228
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2022

Tgt Ion:138 Resp: 52964
Ion Ratio Lower Upper
138 100
108 8.8 7.6 11.4
92 110.8 88.3 132.5

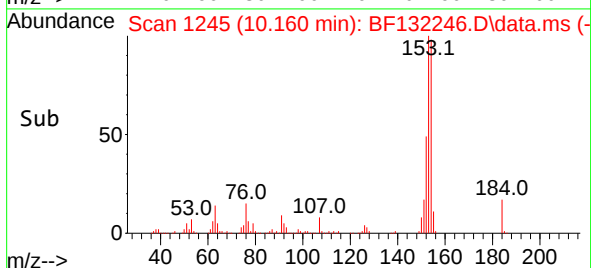
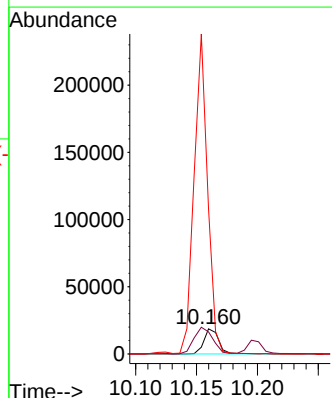
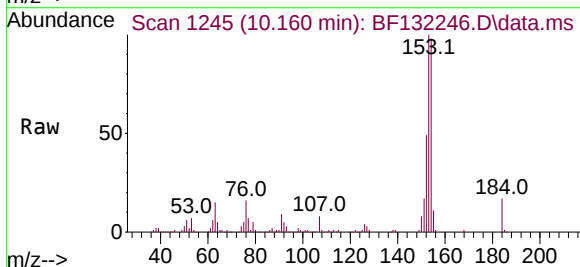
Manual Integrations
APPROVED

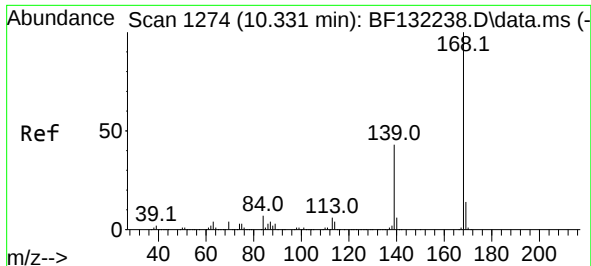
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#54
2,4-Dinitrophenol
Concen: 9.420 ng
RT: 10.160 min Scan# 1245
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

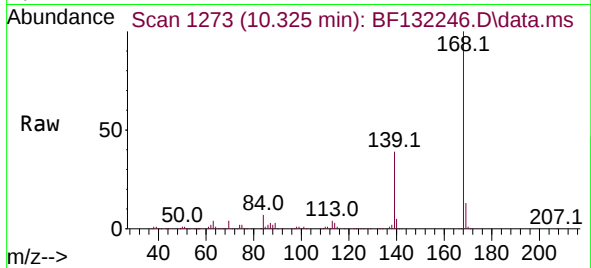
Tgt Ion:184 Resp: 15689
Ion Ratio Lower Upper
184 100
63 88.0 41.6 62.4#
154 581.6 57.0 85.6#





#55
Dibenzenofuran
Concen: 9.803 ng
RT: 10.325 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

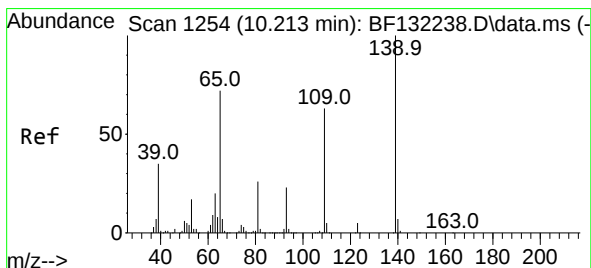
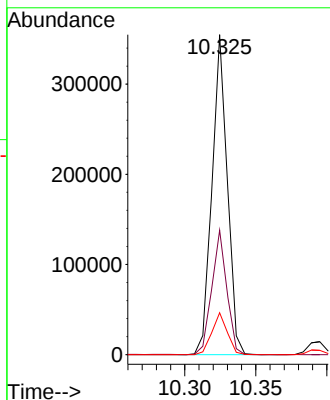
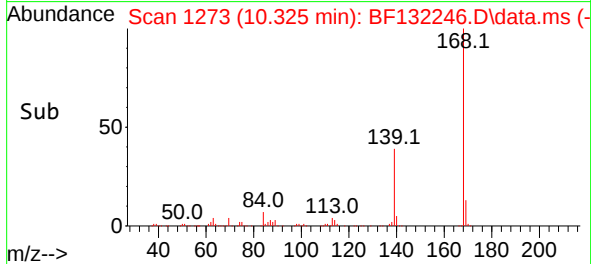
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:168 Resp: 265917
Ion Ratio Lower Upper
168 100
139 38.9 34.2 51.4
169 13.1 11.2 16.8

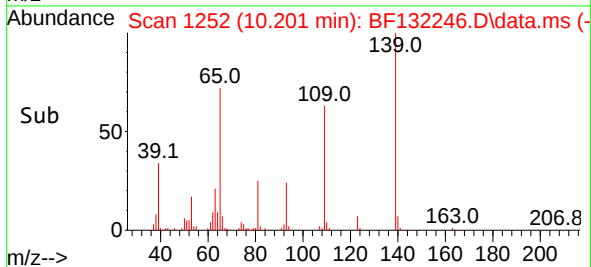
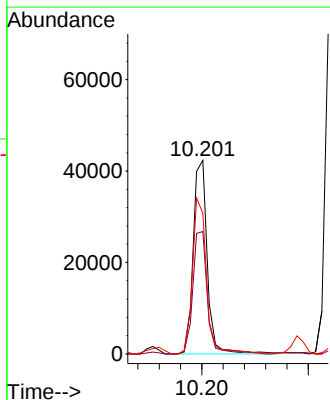
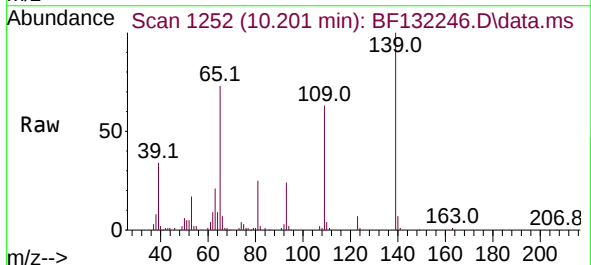
Manual Integrations
APPROVED

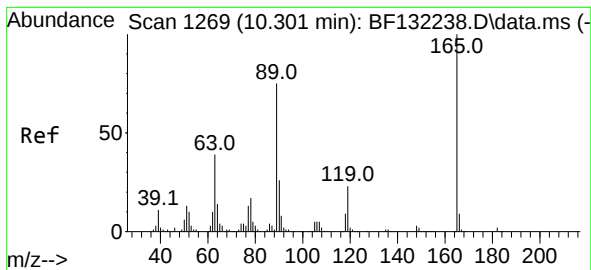
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#56
4-Nitrophenol
Concen: 8.481 ng
RT: 10.201 min Scan# 1252
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

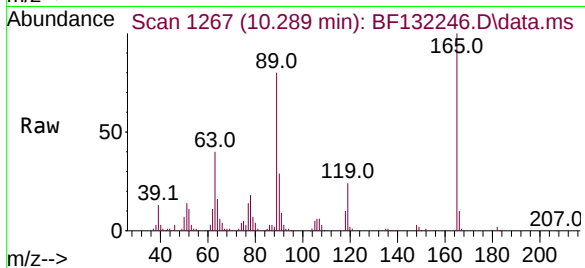
Tgt Ion:139 Resp: 38909
Ion Ratio Lower Upper
139 100
109 63.2 43.3 83.3
65 72.7 52.3 92.3





#57
2,4-Dinitrotoluene
Concen: 8.898 ng
RT: 10.289 min Scan# 1267
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

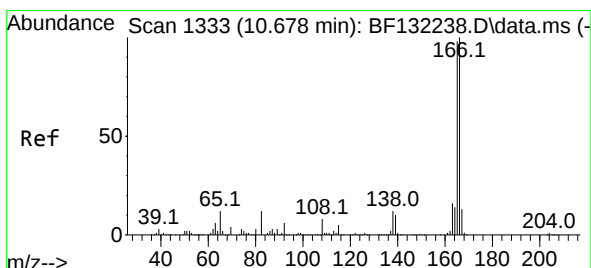
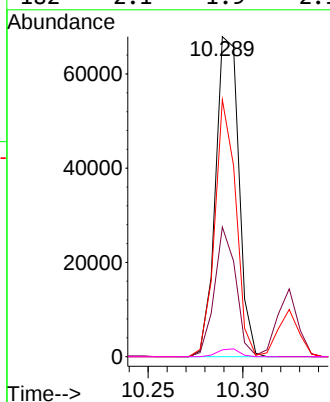
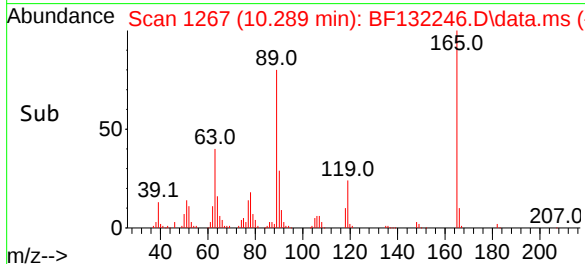
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:165 Resp: 5810
Ion Ratio Lower Upper
165 100
63 40.5 30.9 46.3
89 80.3 60.1 90.1
182 2.1 1.9 2.9

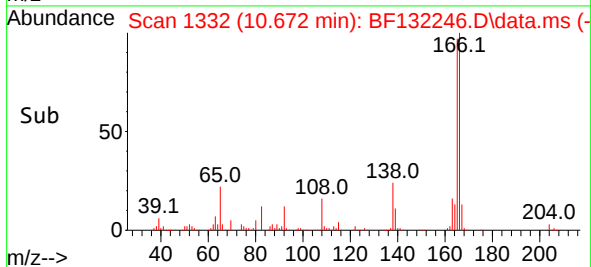
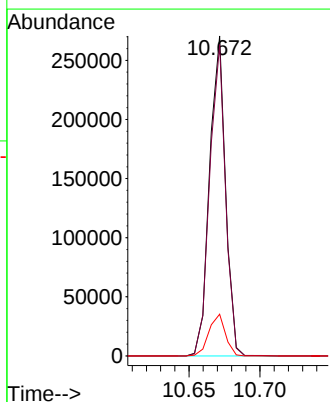
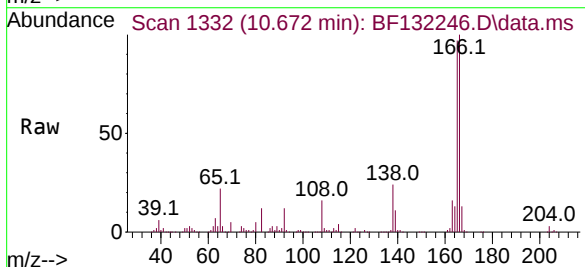
Manual Integrations
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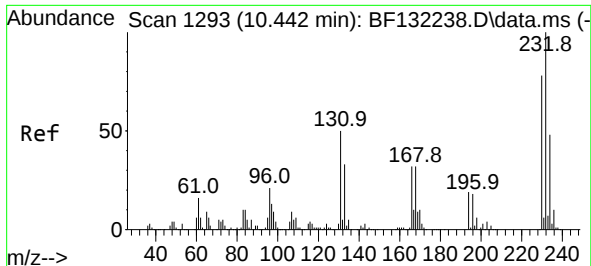
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#58
Fluorene
Concen: 10.092 ng
RT: 10.672 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

Tgt Ion:166 Resp: 210691
Ion Ratio Lower Upper
166 100
165 97.3 78.0 117.0
167 13.0 10.8 16.2





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.920 ng

RT: 10.436 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF132246.D

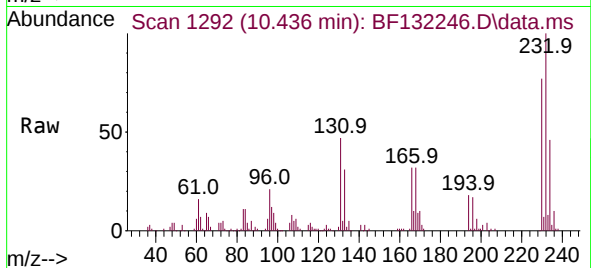
Acq: 31 Jan 2023 23:57

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:232 Resp: 48449

Ion Ratio Lower Upper

232 100

131 48.2 40.6 61.0

130 2.1 1.9 2.9

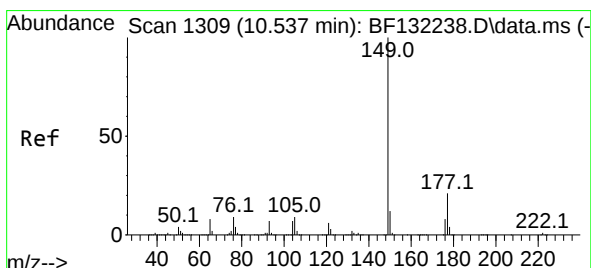
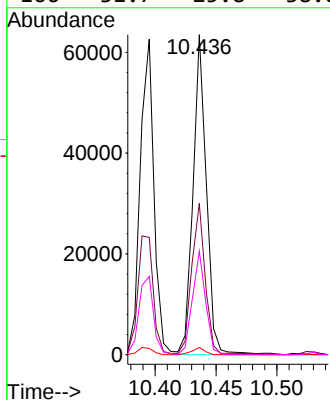
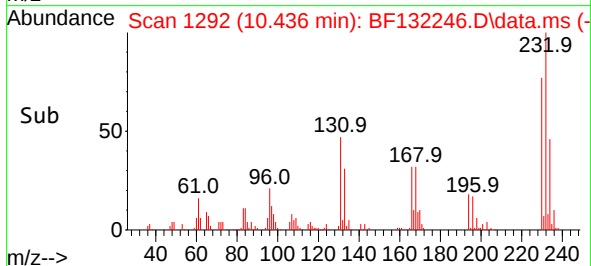
166 31.7 25.8 38.8

Manual Integrations

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Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#60

Diethylphthalate

Concen: 9.481 ng

RT: 10.530 min Scan# 1308

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

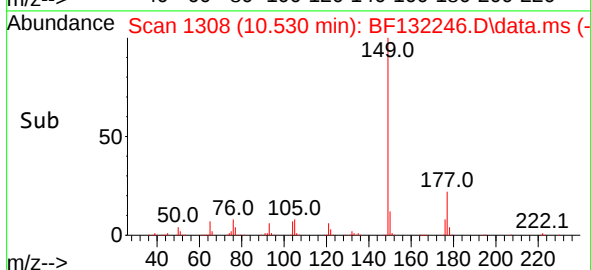
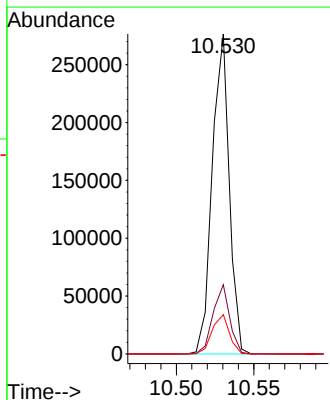
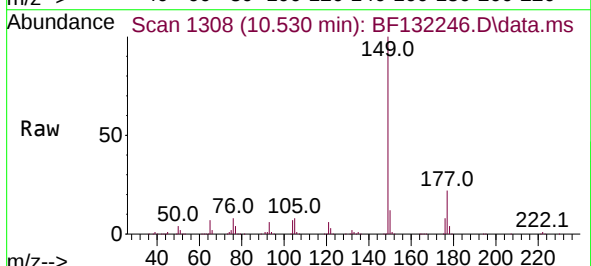
Tgt Ion:149 Resp: 212303

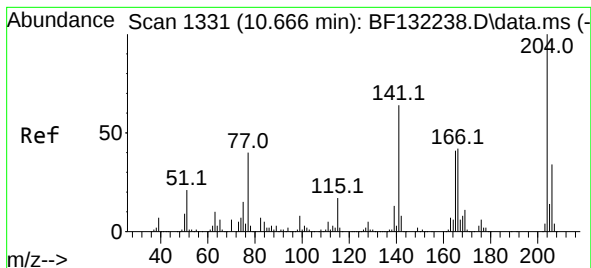
Ion Ratio Lower Upper

149 100

177 21.6 17.1 25.7

150 12.3 9.9 14.9





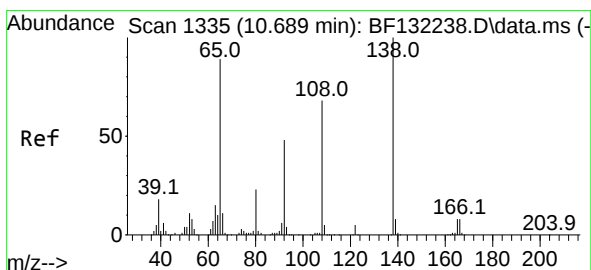
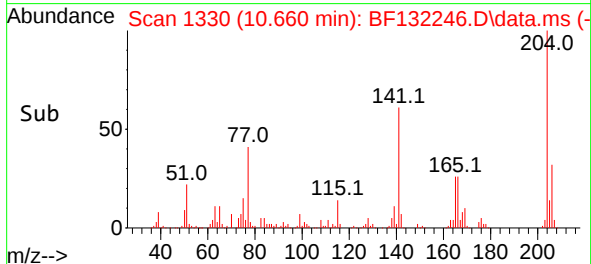
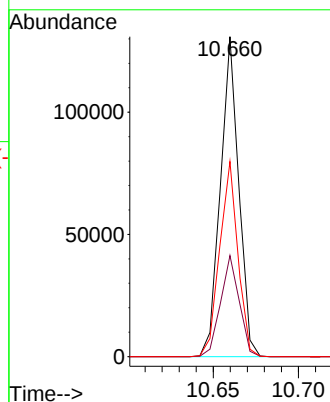
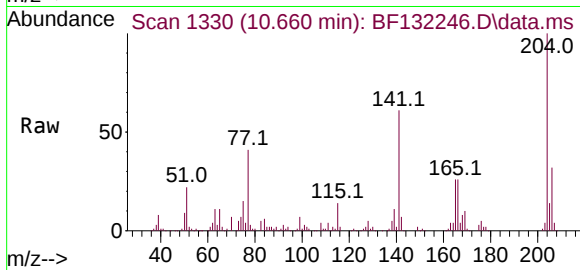
#61
4-Chlorophenyl-phenylether
Concen: 9.865 ng
RT: 10.660 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:204 Resp: 97735
Ion Ratio Lower Upper
204 100
206 31.6 26.8 40.2
141 61.0 51.4 77.0

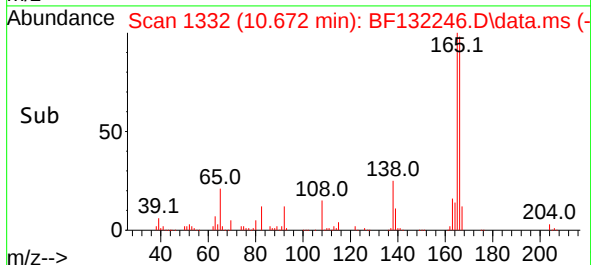
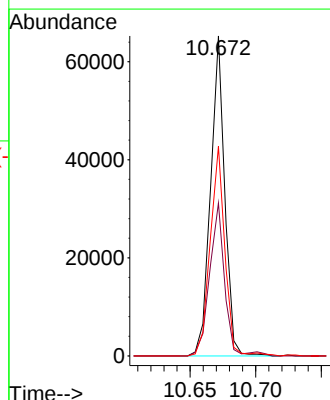
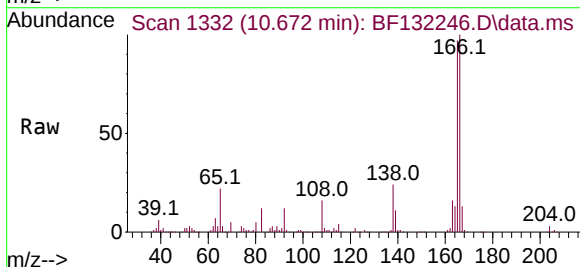
Manual Integrations
APPROVED

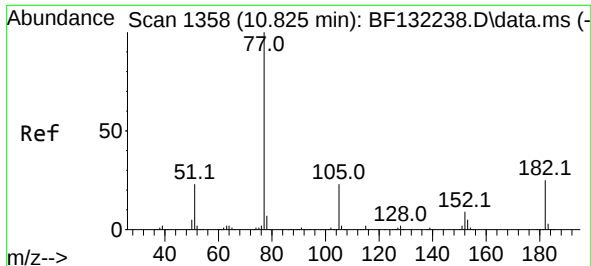
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#62
4-Nitroaniline
Concen: 8.385 ng
RT: 10.672 min Scan# 1332
Delta R.T. -0.018 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

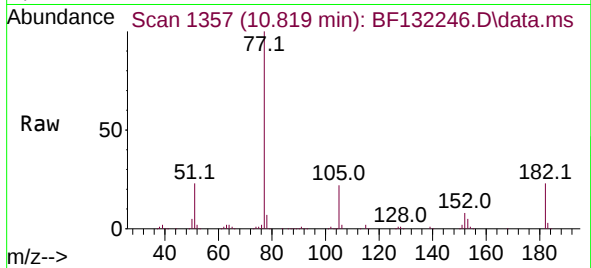
Tgt Ion:138 Resp: 49020
Ion Ratio Lower Upper
138 100
92 47.8 27.7 67.7
108 65.5 48.5 88.5





#63
Azobenzene
Concen: 9.251 ng
RT: 10.819 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

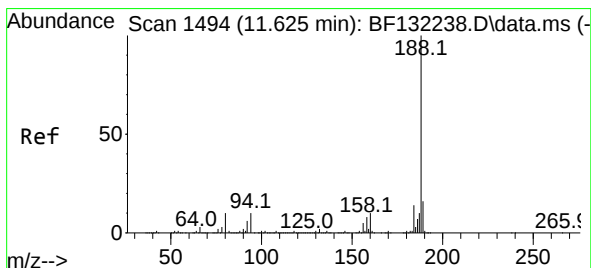
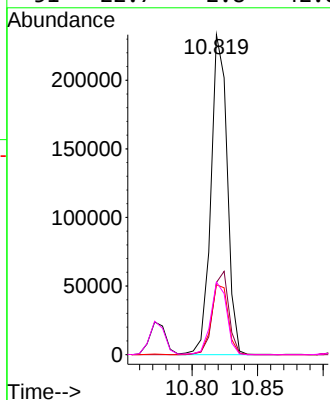
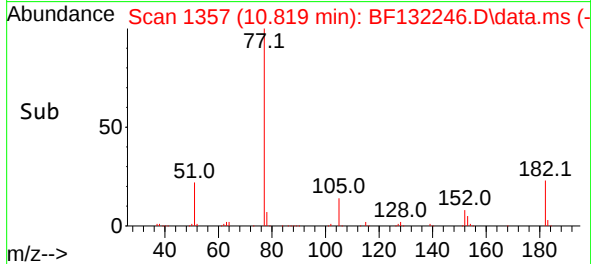
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



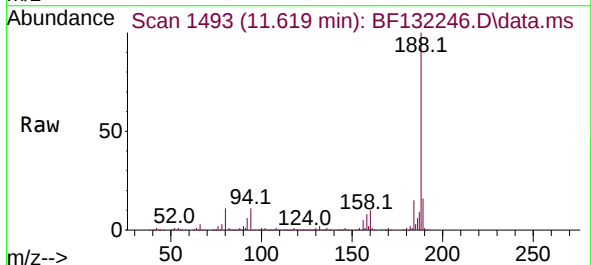
Tgt Ion: 77 Resp: 20178
Ion Ratio Lower Upper
77 100
182 22.5 4.5 44.5
105 21.8 2.7 42.7
51 22.7 2.8 42.8

Manual Integrations
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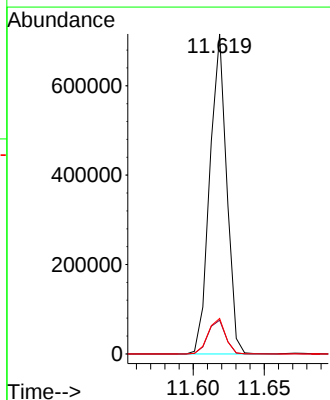
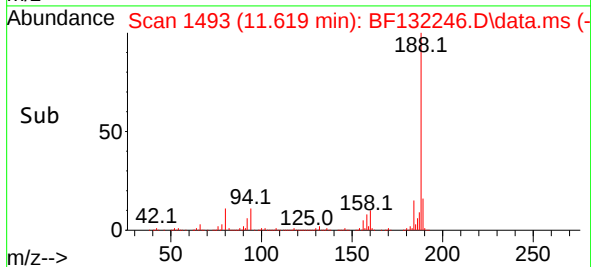
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

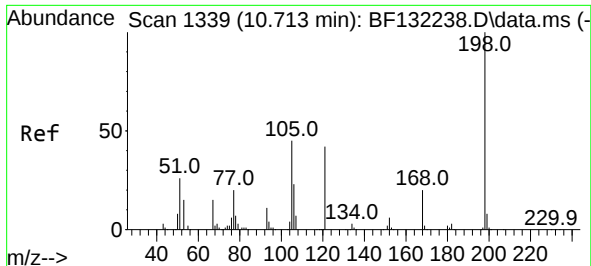


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.619 min Scan# 1493
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



Tgt Ion:188 Resp: 590618
Ion Ratio Lower Upper
188 100
94 10.5 8.2 12.2
80 11.1 8.3 12.5





#65

4,6-Dinitro-2-methylphenol

Concen: 7.144 ng

RT: 10.701 min Scan# 1337

Delta R.T. -0.012 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022

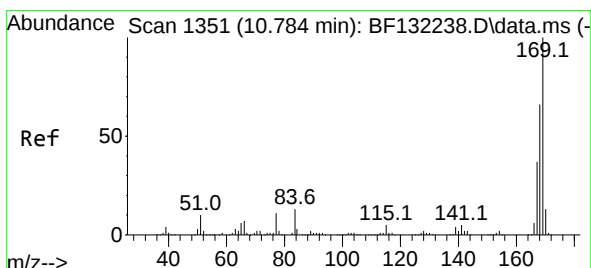
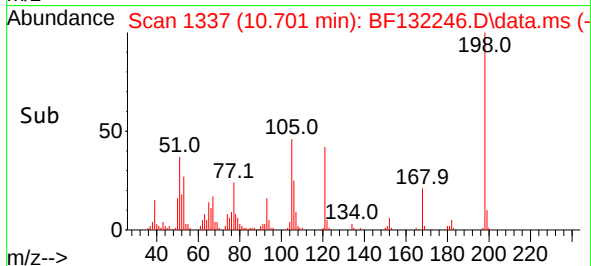
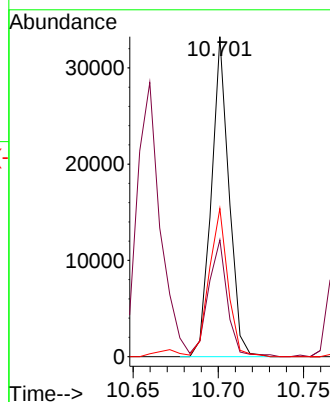
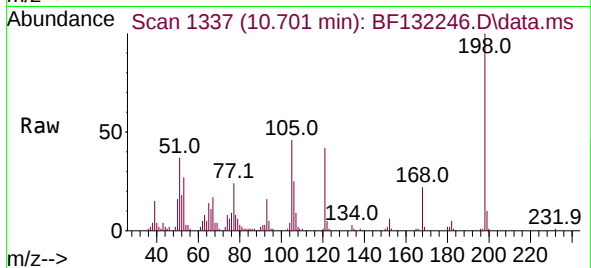
Tgt Ion:198	Resp:	23946
Ion Ratio	Lower	Upper
198	100	
51	36.5	13.1
105	46.3	26.0

Manual Integrations

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Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#66

n-Nitrosodiphenylamine

Concen: 9.643 ng

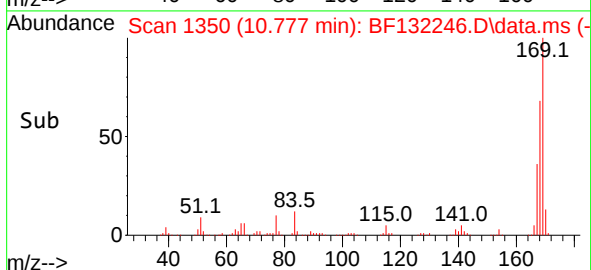
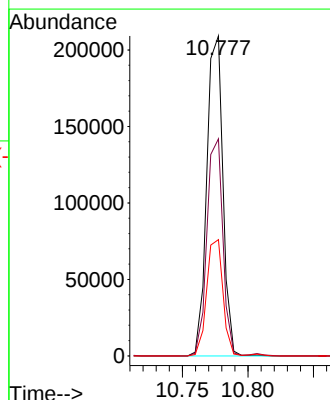
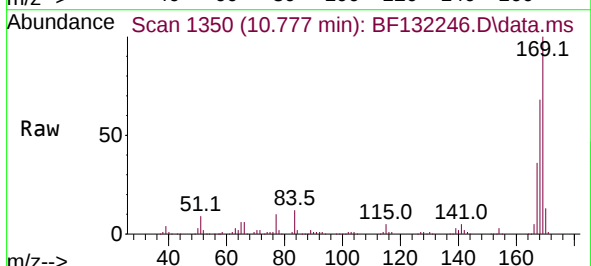
RT: 10.777 min Scan# 1350

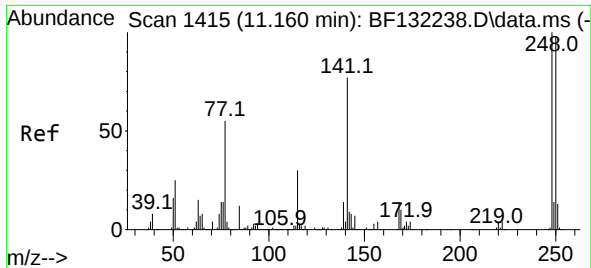
Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

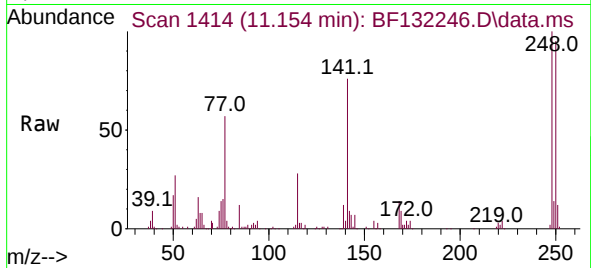
Tgt Ion:169	Resp:	178344
Ion Ratio	Lower	Upper
169	100	
168	67.8	52.6
167	36.4	29.5





#67
4-Bromophenyl-phenylether
Concen: 9.465 ng
RT: 11.154 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

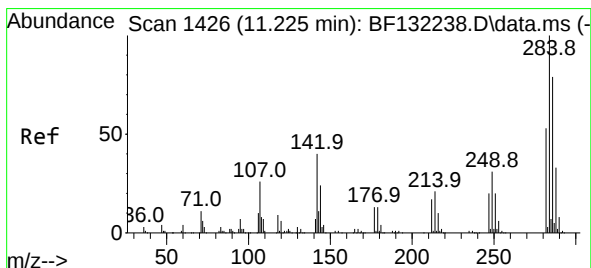
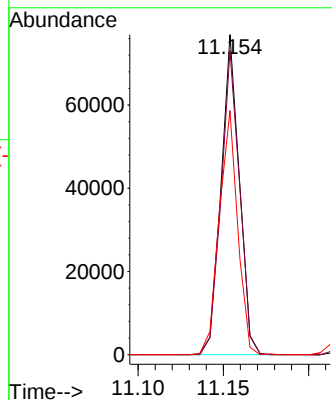
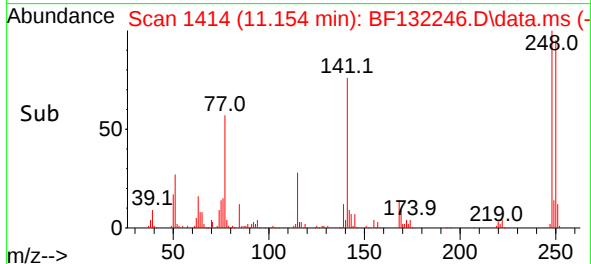
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



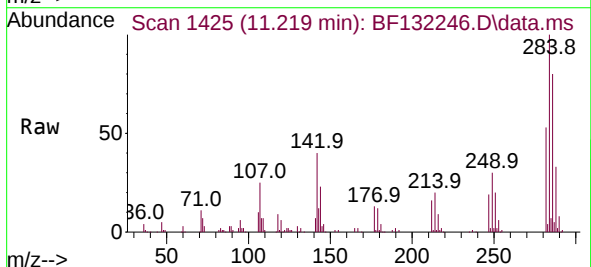
Tgt Ion:248 Resp: 5724
Ion Ratio Lower Upper
248 100
250 95.0 78.6 117.8
141 76.2 61.6 92.4

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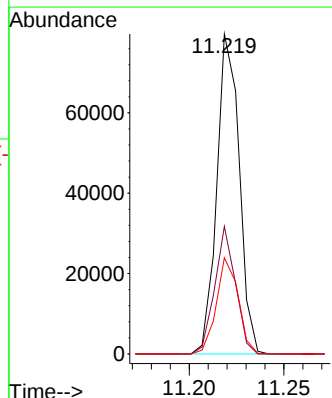
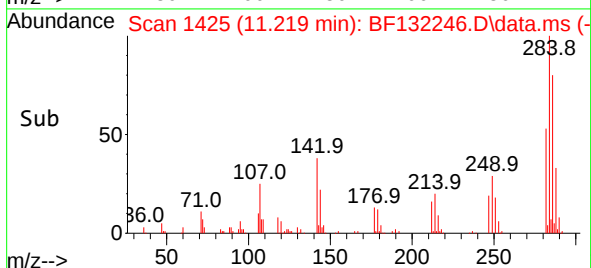
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

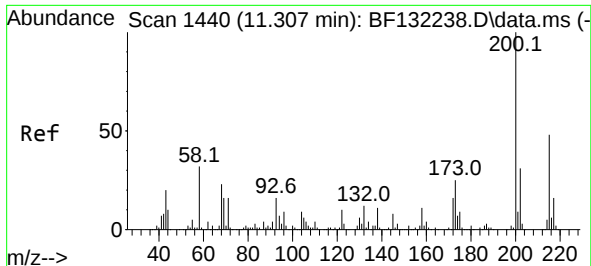


#68
Hexachlorobenzene
Concen: 10.145 ng
RT: 11.219 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



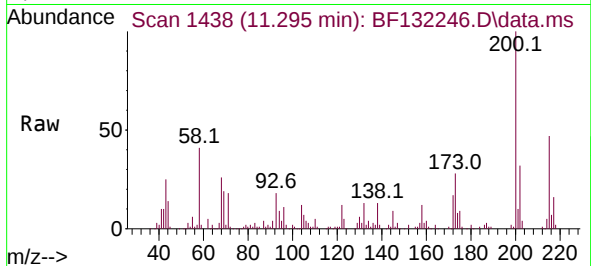
Tgt Ion:284 Resp: 65582
Ion Ratio Lower Upper
284 100
142 39.8 32.2 48.4
249 30.0 25.0 37.6





#69
Atrazine
Concen: 10.386 ng
RT: 11.295 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

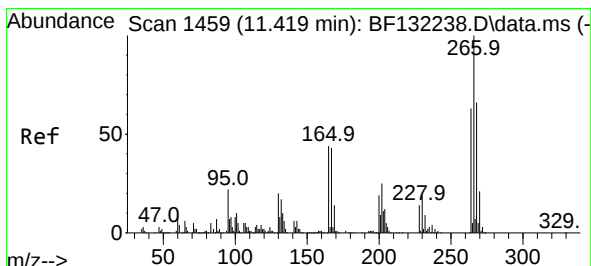
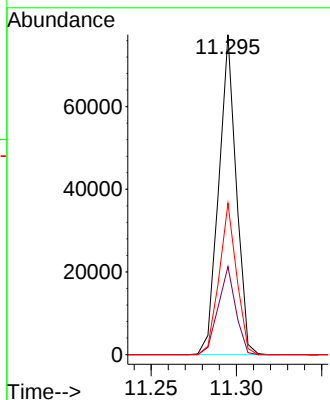
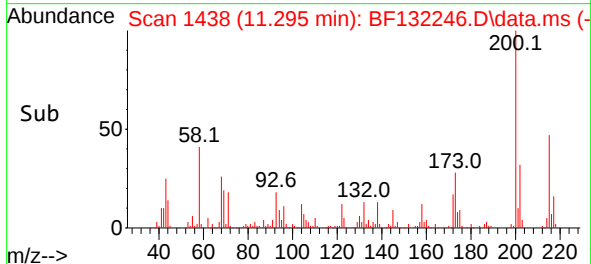
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



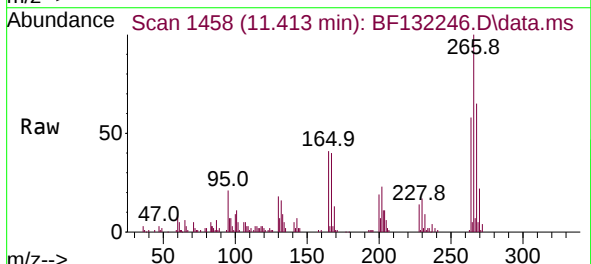
Tgt Ion:200 Resp: 55250
Ion Ratio Lower Upper
200 100
173 27.5 5.1 45.1
215 47.3 27.6 67.6

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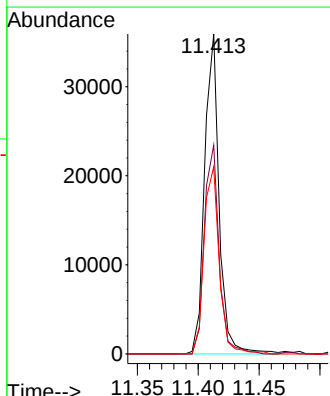
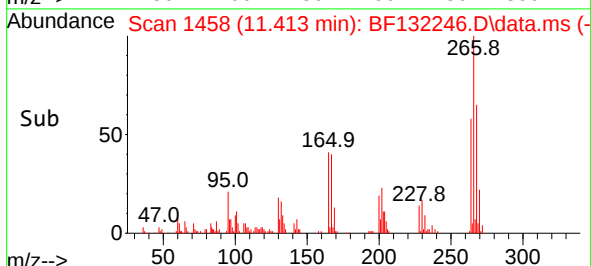
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

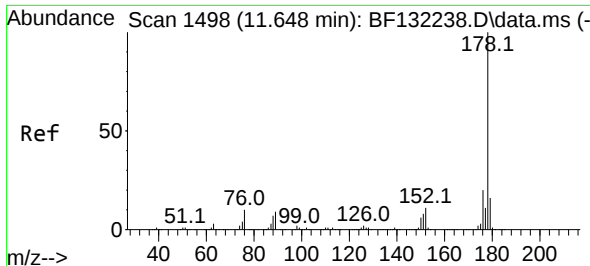


#70
Pentachlorophenol
Concen: 6.698 ng
RT: 11.413 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



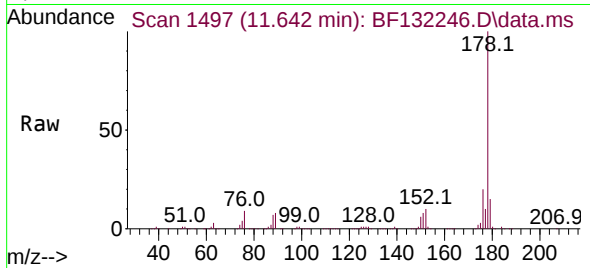
Tgt Ion:266 Resp: 29747
Ion Ratio Lower Upper
266 100
268 65.3 53.0 79.4
264 58.5 50.5 75.7





#71
Phenanthrene
Concen: 10.018 ng
RT: 11.642 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

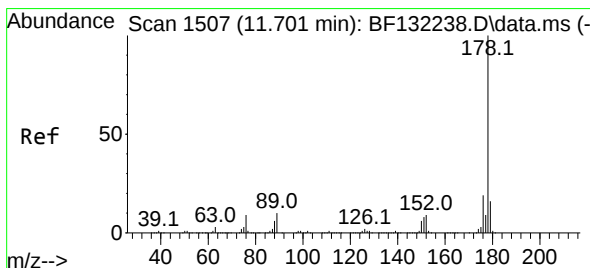
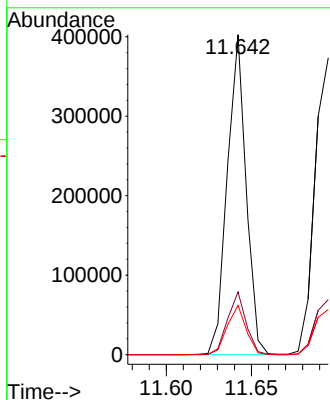
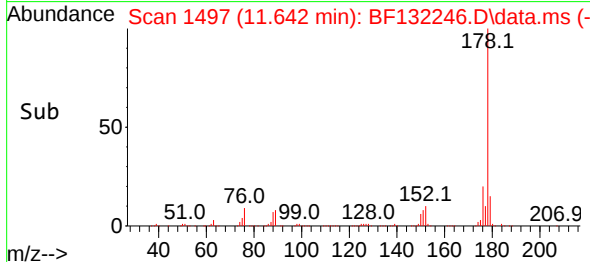
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



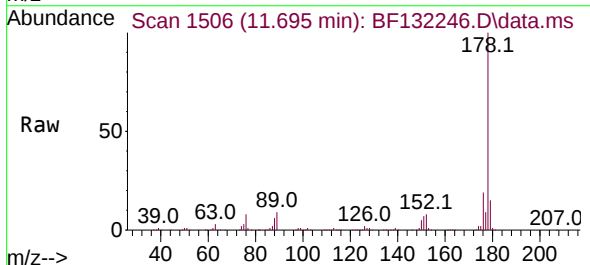
Tgt Ion:178 Resp: 309186
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.4 12.8 19.2

Manual Integrations
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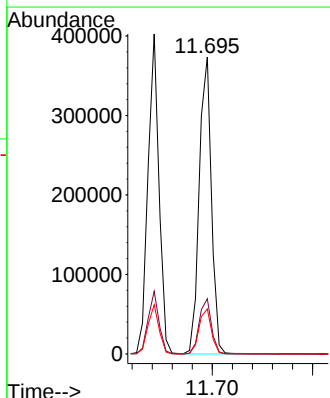
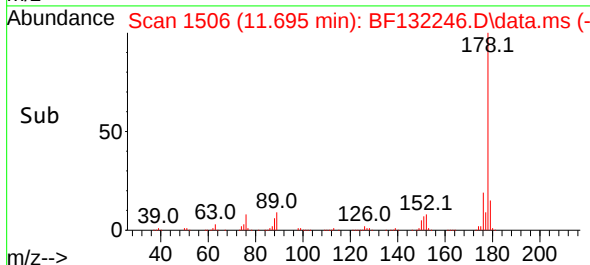
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

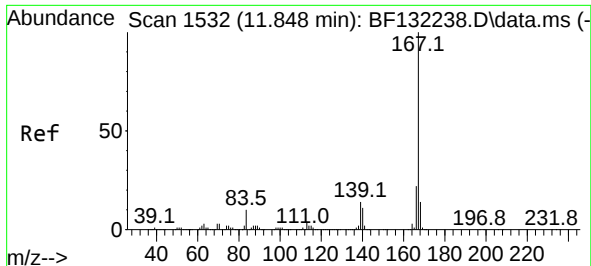


#72
Anthracene
Concen: 9.985 ng
RT: 11.695 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



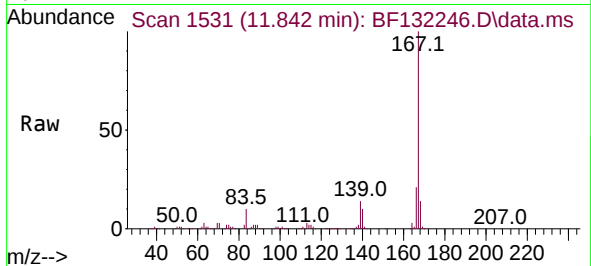
Tgt Ion:178 Resp: 313622
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.2 12.8 19.2





#73
Carbazole
Concen: 9.757 ng
RT: 11.842 min Scan# 1531
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

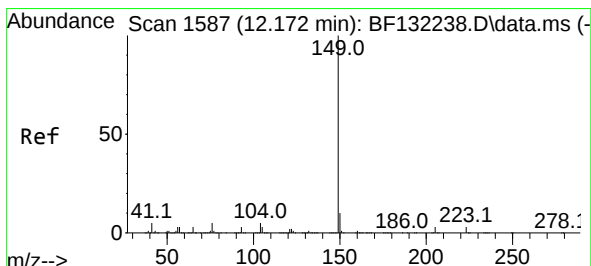
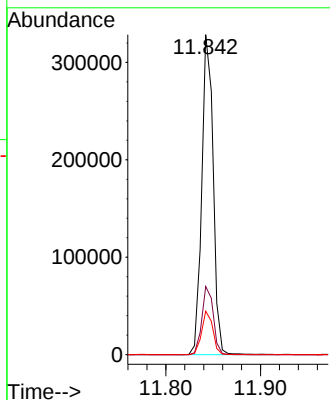
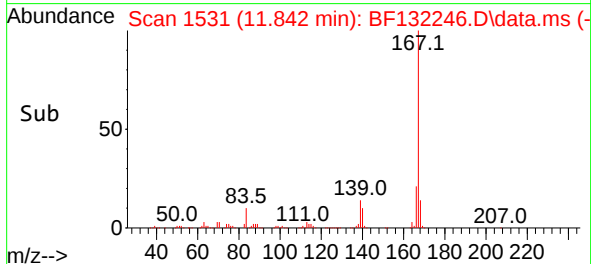
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



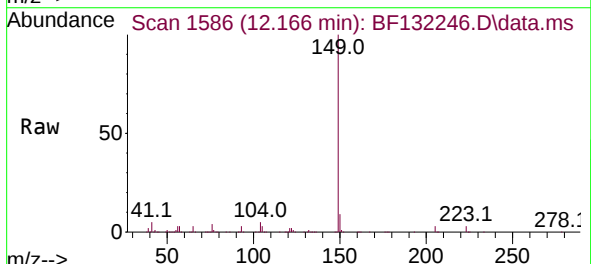
Tgt Ion:167 Resp: 274776
Ion Ratio Lower Upper
167 100
166 21.3 17.4 26.0
139 13.6 11.4 17.2

Manual Integrations
APPROVED

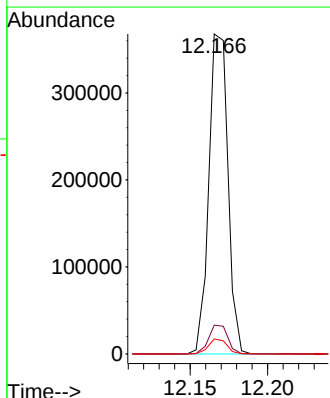
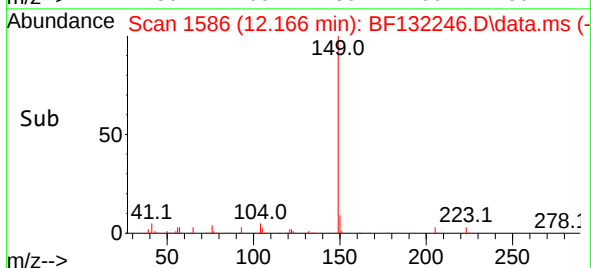
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

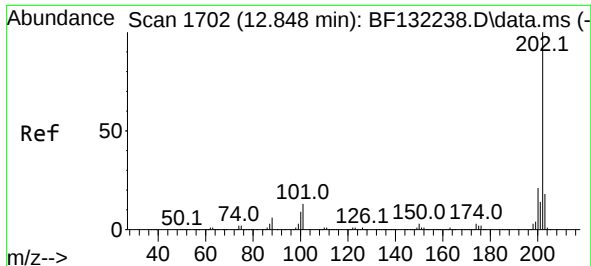


#74
Di-n-butylphthalate
Concen: 9.521 ng
RT: 12.166 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



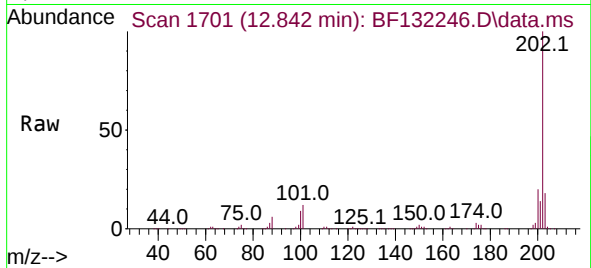
Tgt Ion:149 Resp: 316994
Ion Ratio Lower Upper
149 100
150 9.0 7.8 11.8
104 4.7 4.3 6.5





#75
Fluoranthene
Concen: 9.657 ng
RT: 12.842 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

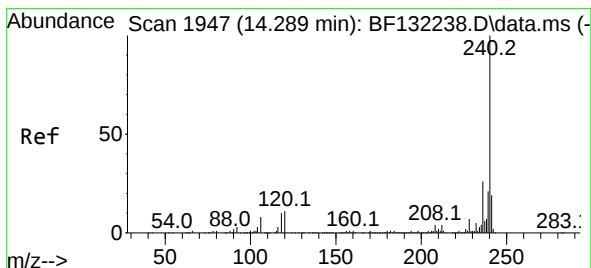
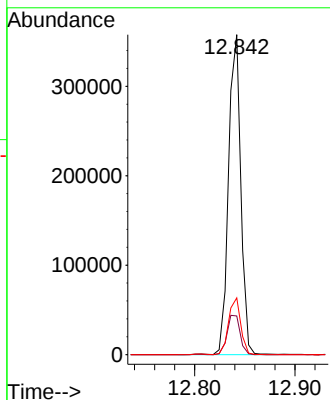
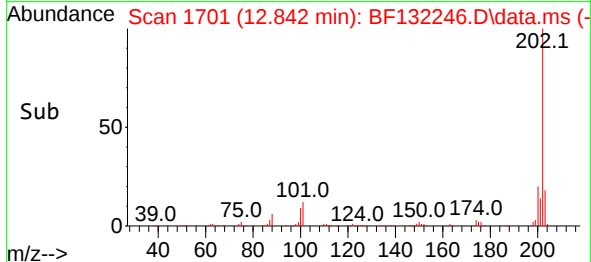
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



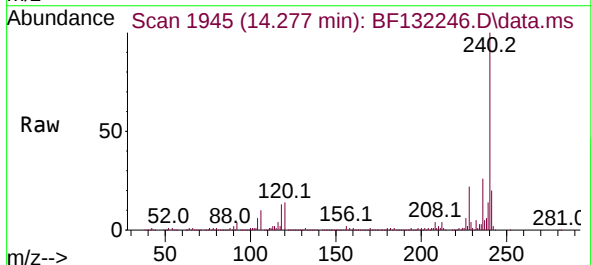
Tgt Ion:202 Resp: 304142
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.7
203 17.7 0.0 37.9

Manual Integrations
APPROVED

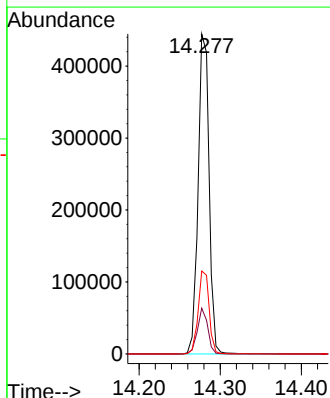
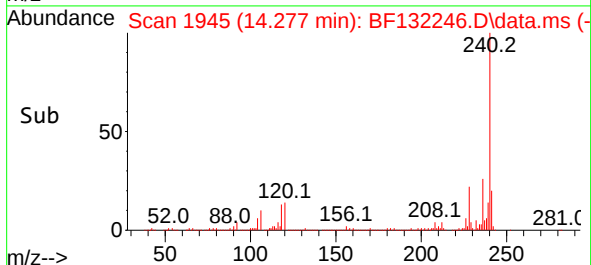
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

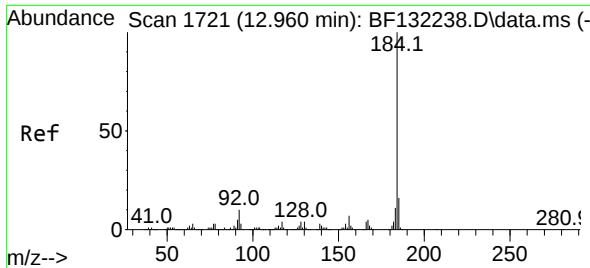


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



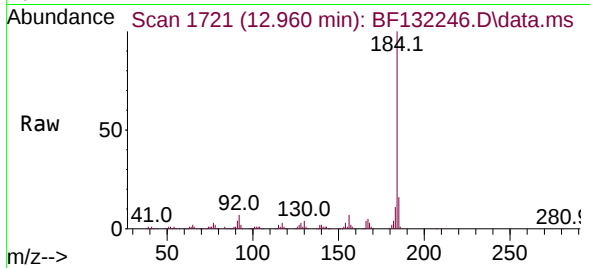
Tgt Ion:240 Resp: 415654
Ion Ratio Lower Upper
240 100
120 14.3 8.8 13.2#
236 25.9 21.0 31.6





#77
Benzidine
Concen: 10.411 ng
RT: 12.960 min Scan# 1719
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

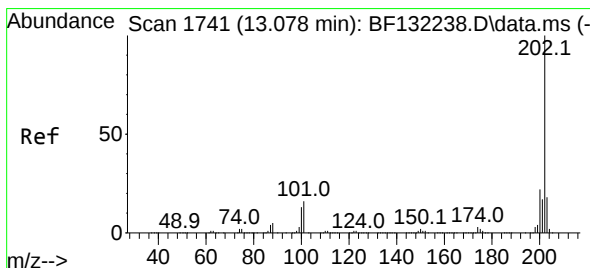
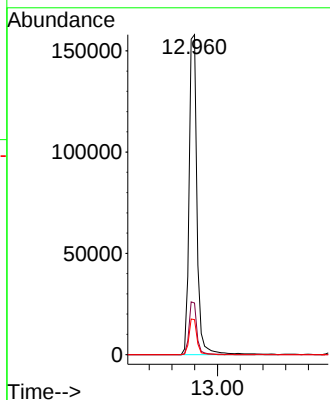
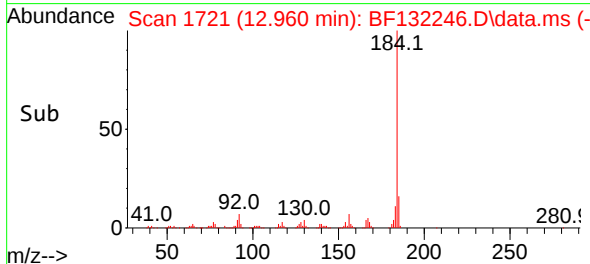
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT3-2022



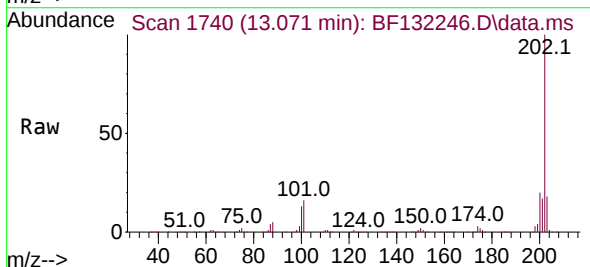
Tgt Ion:184 Resp: 151291
Ion Ratio Lower Upper
184 100
185 16.2 12.6 18.8
183 10.9 8.9 13.3

Manual Integrations
APPROVED

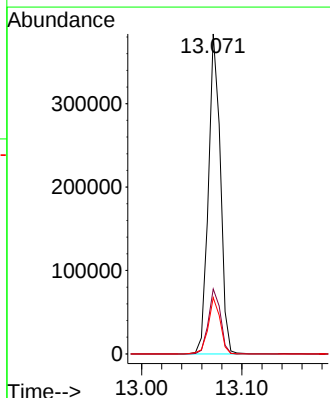
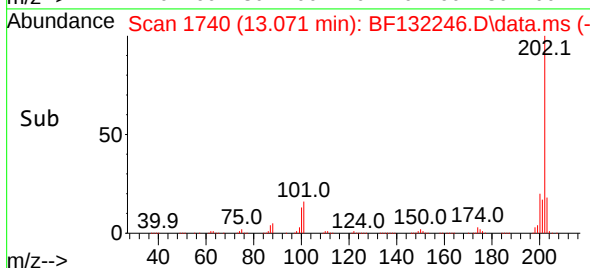
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

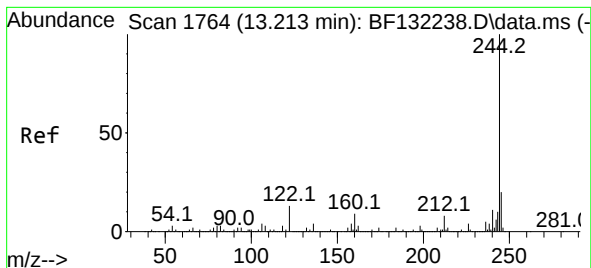


#78
Pyrene
Concen: 9.463 ng
RT: 13.071 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



Tgt Ion:202 Resp: 316353
Ion Ratio Lower Upper
202 100
200 20.3 17.3 25.9
203 17.6 14.4 21.6





#79

Terphenyl-d14

Concen: 74.956 ng

RT: 13.213 min Scan# 1764

Delta R.T. -0.000 min

Lab File: BF132246.D

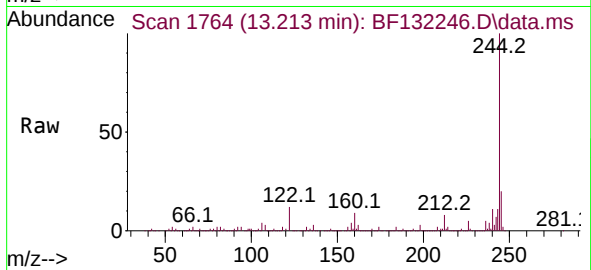
Acq: 31 Jan 2023 23:57

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:244 Resp: 1610615

Ion Ratio Lower Upper

244 100

212 8.0 6.4 9.6

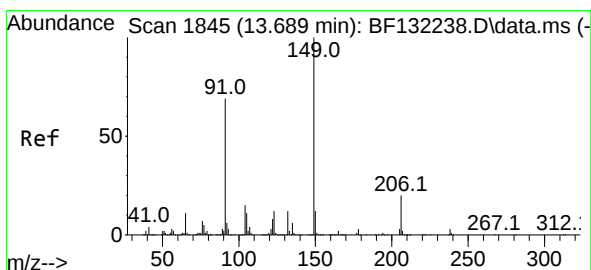
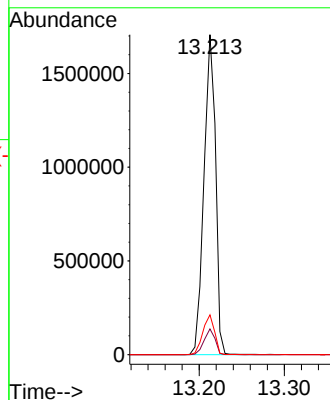
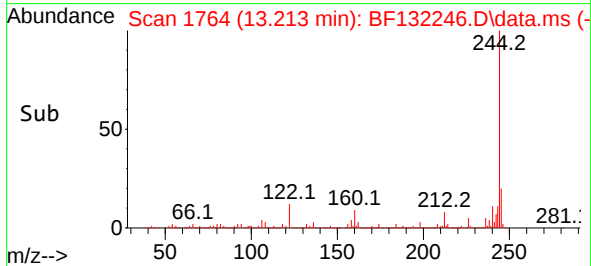
122 12.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#80

Butylbenzylphthalate

Concen: 8.233 ng

RT: 13.683 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

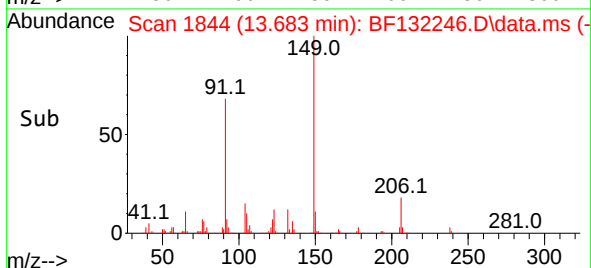
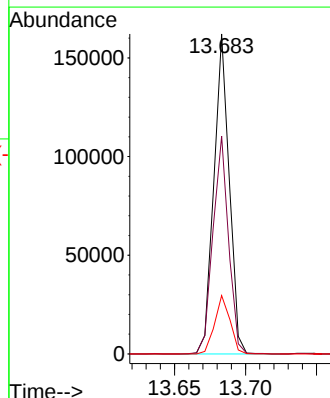
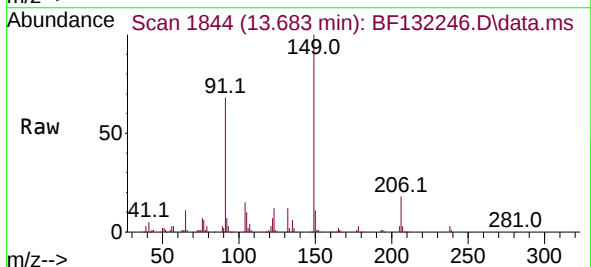
Tgt Ion:149 Resp: 121608

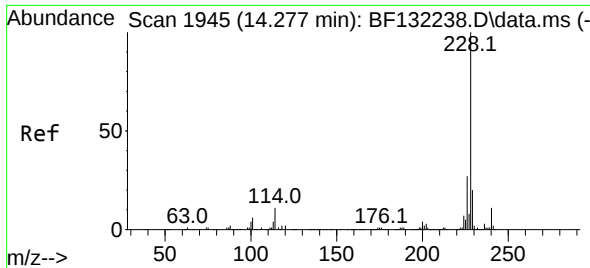
Ion Ratio Lower Upper

149 100

91 68.1 55.0 82.6

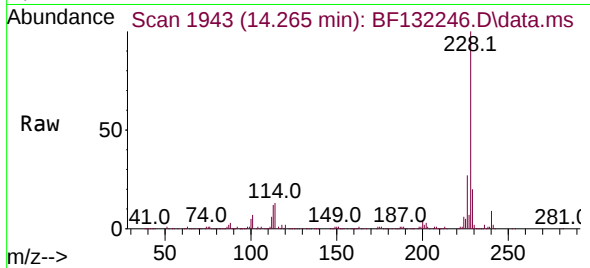
206 18.2 15.9 23.9





#81
Benzo(a)anthracene
Concen: 9.173 ng
RT: 14.265 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

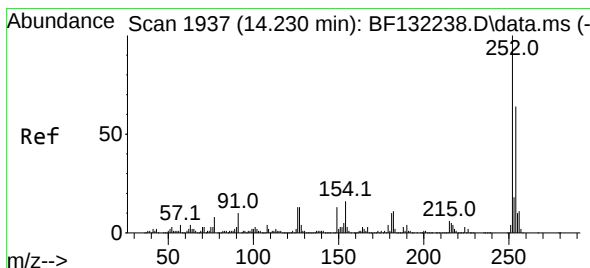
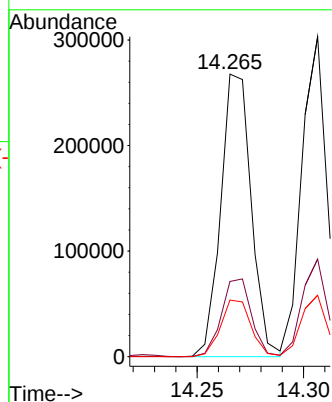
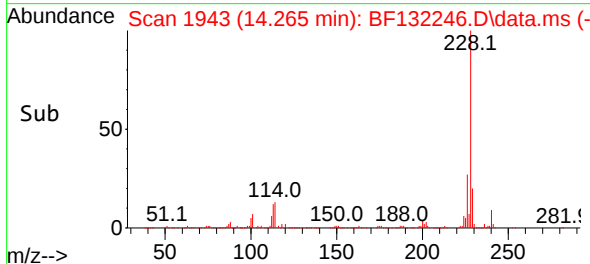
Instrument : BNA_F
Client Sample Id : MDL-SOIL-03-QT3-2022



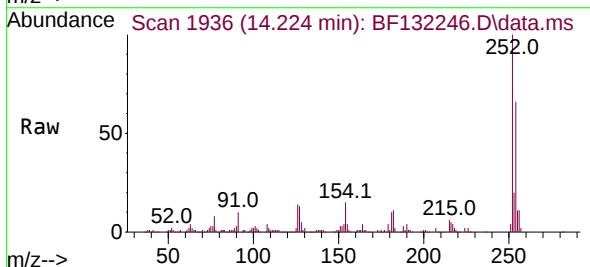
Tgt Ion:228 Resp: 266660
Ion Ratio Lower Upper
228 100
226 26.6 22.0 33.0
229 20.0 15.8 23.6

Manual Integrations
APPROVED

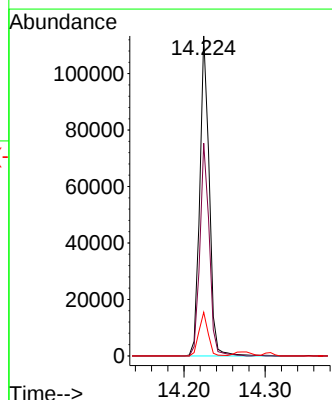
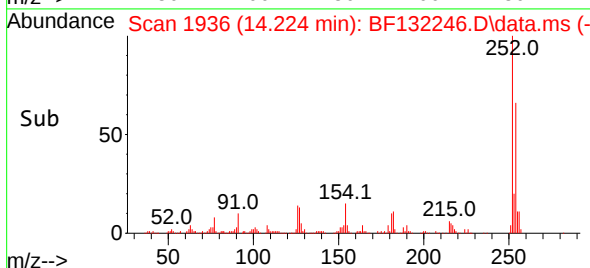
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023

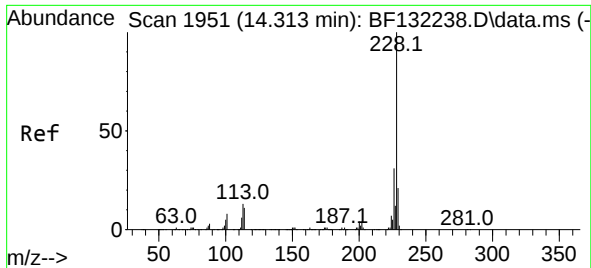


#82
3,3'-Dichlorobenzidine
Concen: 9.885 ng
RT: 14.224 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



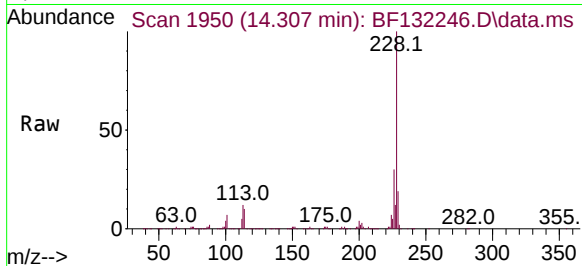
Tgt Ion:252 Resp: 91533
Ion Ratio Lower Upper
252 100
254 66.5 51.6 77.4
126 13.6 10.5 15.7





#83
Chrysene
Concen: 9.257 ng
RT: 14.307 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

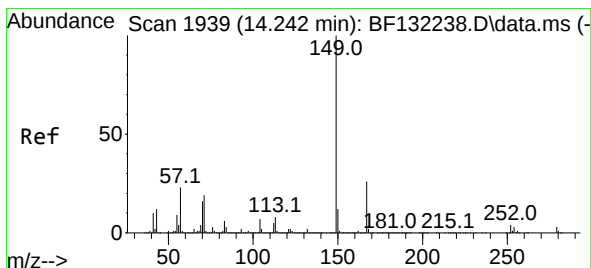
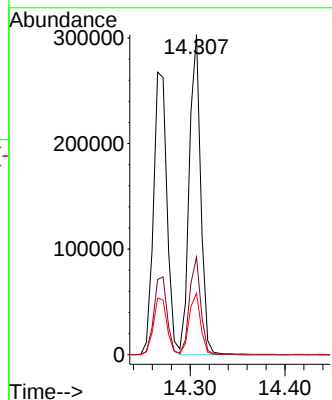
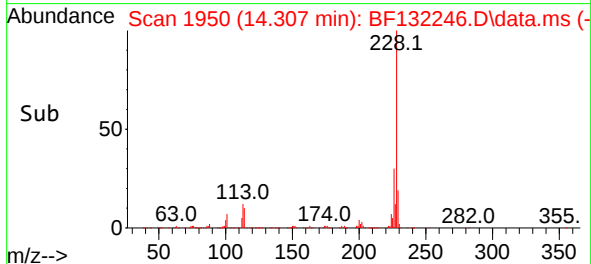
Instrument : BNA_F
Client Sample Id : MDL-SOIL-03-QT3-2022



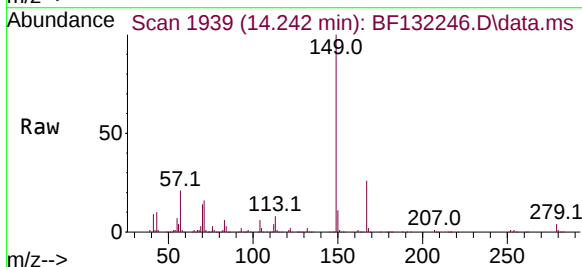
Tgt Ion: 228 Resp: 251989
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 19.2 16.4 24.6

Manual Integrations
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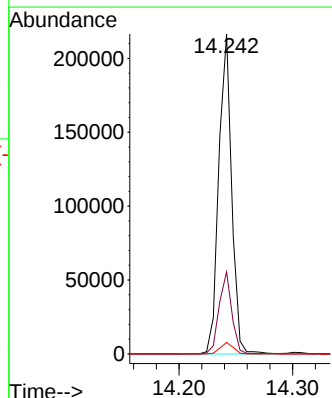
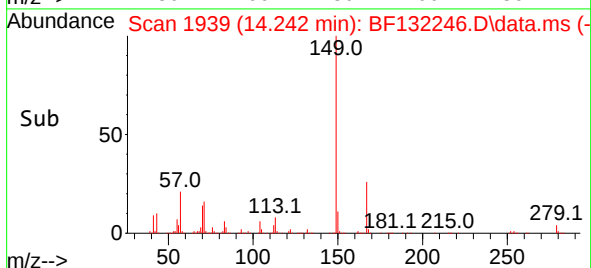
Reviewed By : Christian Giraldo 02/01/2023
Supervised By : Jagrut Upadhyay 02/01/2023

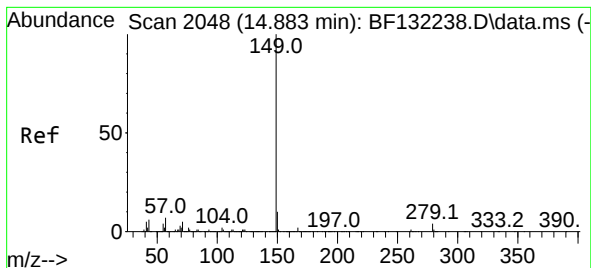


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.540 ng
RT: 14.242 min Scan# 1939
Delta R.T. -0.000 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57



Tgt Ion: 149 Resp: 170491
Ion Ratio Lower Upper
149 100
167 25.6 20.7 31.1
279 3.6 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 8.146 ng

RT: 14.877 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BF132246.D

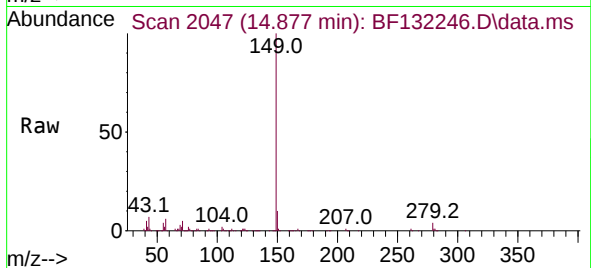
Acq: 31 Jan 2023 23:57

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:149 Resp: 265274

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

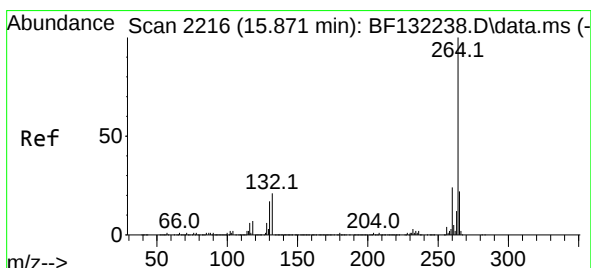
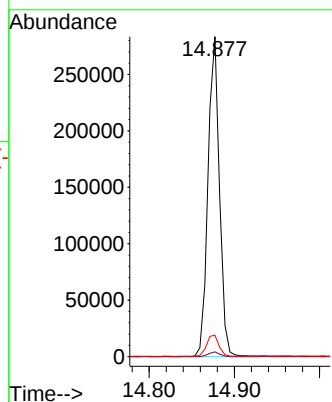
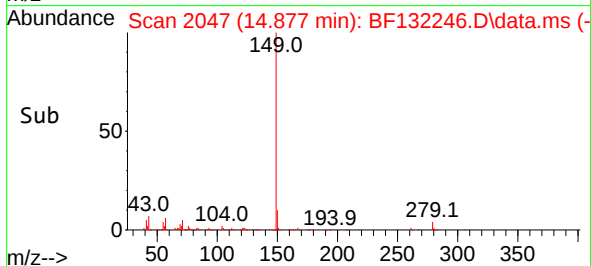
43 7.1 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.865 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF132246.D

Acq: 31 Jan 2023 23:57

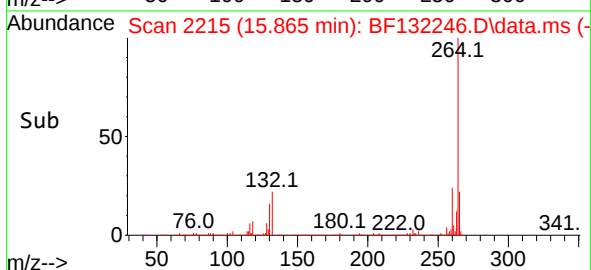
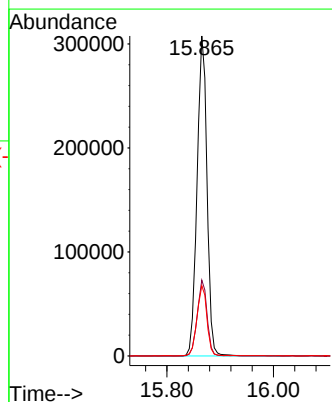
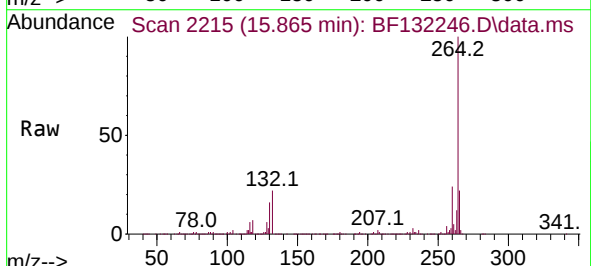
Tgt Ion:264 Resp: 398859

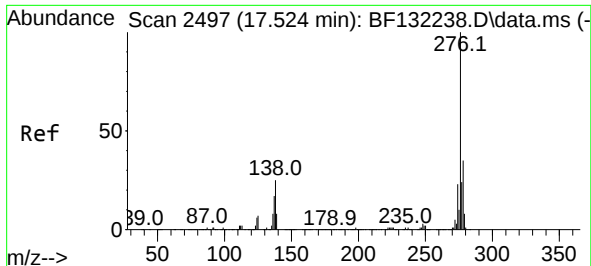
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

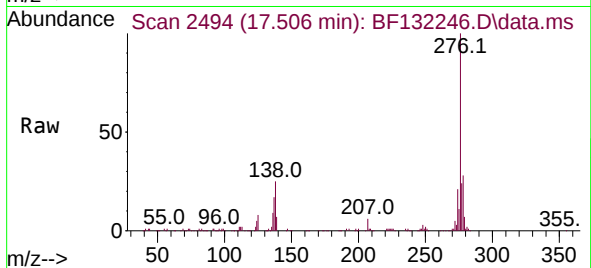
265 21.9 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.874 ng
RT: 17.506 min Scan# 2497
Delta R.T. -0.018 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

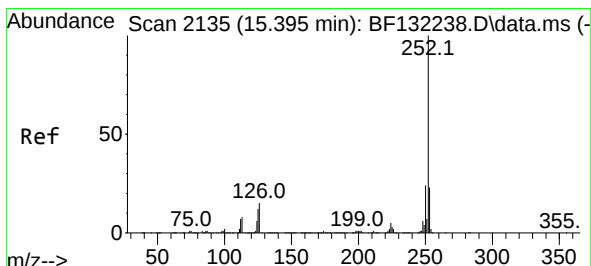
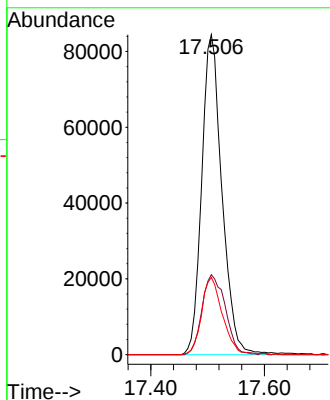
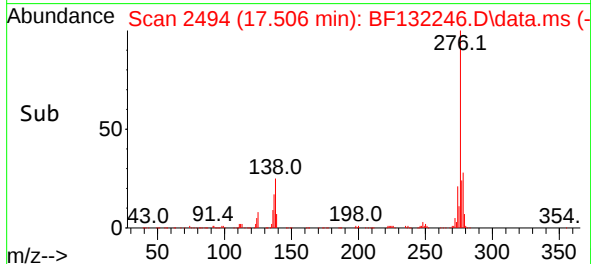
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:276 Resp: 208678
Ion Ratio Lower Upper
276 100
138 28.7 23.3 34.9
277 24.7 20.0 30.0

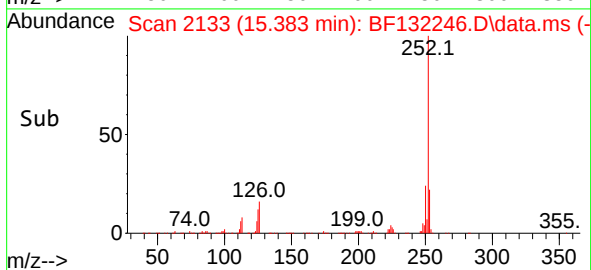
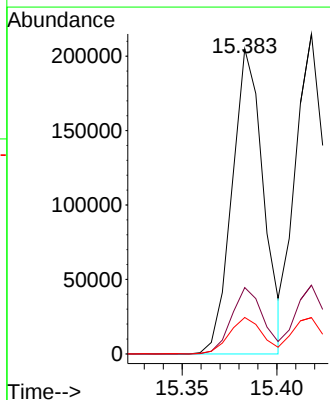
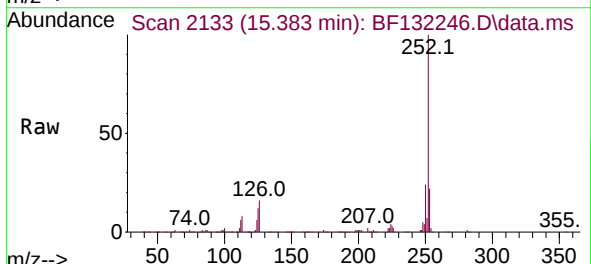
Manual Integrations
APPROVED

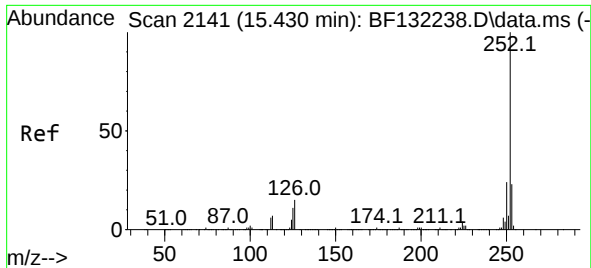
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#88
Benzo(b)fluoranthene
Concen: 9.338 ng
RT: 15.383 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

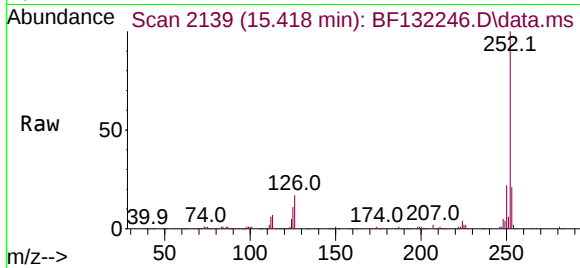
Tgt Ion:252 Resp: 236741
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 11.9 9.6 14.4





#89
Benzo(k)fluoranthene
Concen: 9.675 ng
RT: 15.418 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

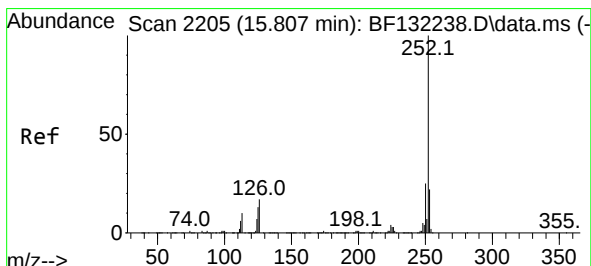
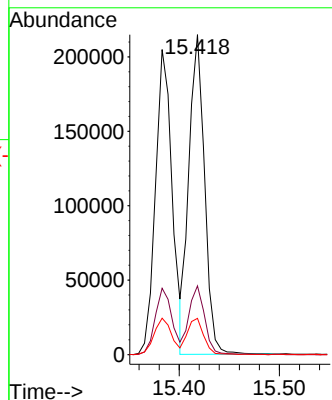
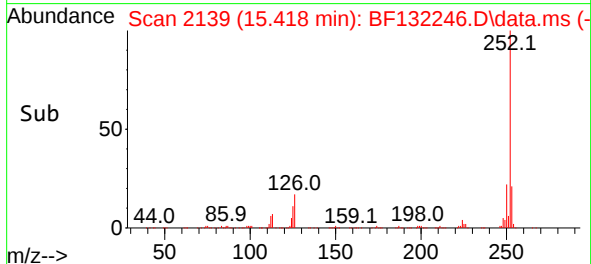
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:252 Resp: 234140
Ion Ratio Lower Upper
252 100
253 21.5 18.2 27.2
125 11.3 9.0 13.6

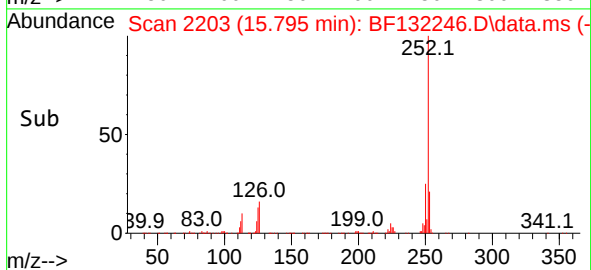
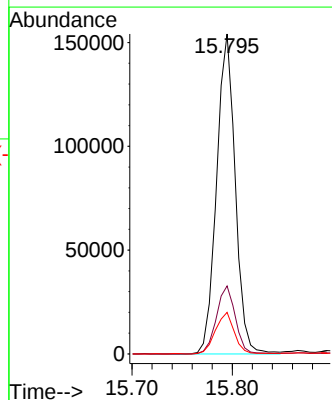
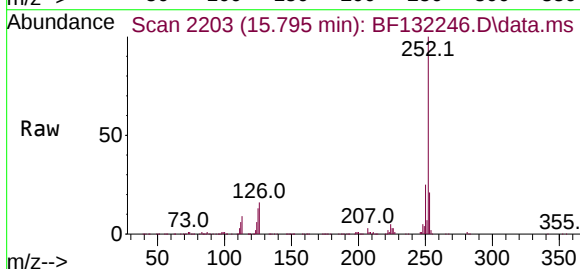
Manual Integrations
APPROVED

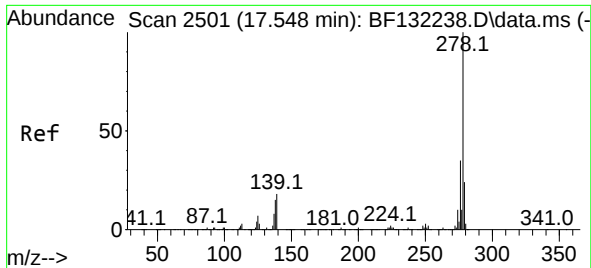
Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#90
Benzo(a)pyrene
Concen: 8.449 ng
RT: 15.795 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

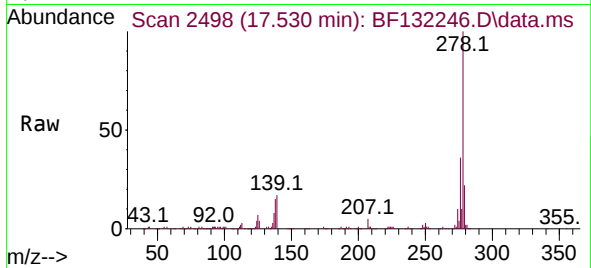
Tgt Ion:252 Resp: 199464
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.8
125 13.0 10.2 15.4





#91
Dibenzo(a,h)anthracene
Concen: 8.398 ng
RT: 17.530 min Scan# 2498
Delta R.T. -0.018 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

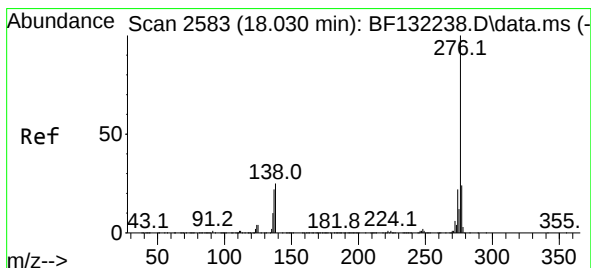
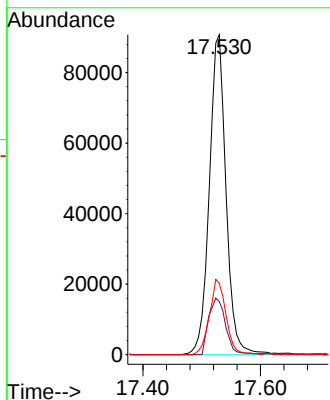
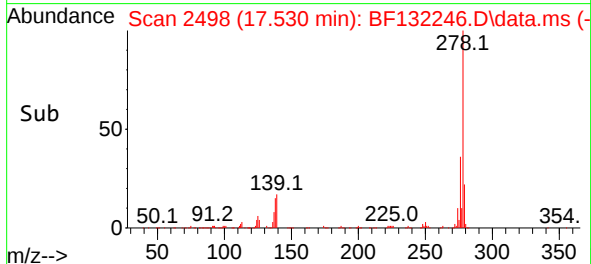
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:278 Resp: 178945
Ion Ratio Lower Upper
278 100
139 16.6 14.2 21.2
279 22.2 19.6 29.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/01/2023
Supervised By :Jagrut Upadhyay 02/01/2023



#92
Benzo(g,h,i)perylene
Concen: 8.041 ng
RT: 18.006 min Scan# 2579
Delta R.T. -0.024 min
Lab File: BF132246.D
Acq: 31 Jan 2023 23:57

Tgt Ion:276 Resp: 177017
Ion Ratio Lower Upper
276 100
277 23.0 19.4 29.2
138 24.8 20.3 30.5

