

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112222\
 Data File : BF131323.D
 Acq On : 22 Nov 2022 10:55
 Operator : CG\JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL-4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Quant Time: Nov 23 03:41:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 03:40:59 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 11/23/2022
 Supervised By : Jagrut Upadhyay 11/23/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	107838	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	393835	20.000	ng	# 0.00
39) Acenaphthene-d10	10.016	164	237577	20.000	ng	-0.01
64) Phenanthrene-d10	11.516	188	456610	20.000	ng	0.00
76) Chrysene-d12	14.168	240	335214	20.000	ng	#-0.01
86) Perylene-d12	15.709	264	238970	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	538200	94.986	ng	0.00
7) Phenol-d6	6.581	99	672355	93.004	ng	0.00
23) Nitrobenzene-d5	7.533	82	521557	66.756	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	214946	107.540	ng	0.00
45) 2-Fluorobiphenyl	9.333	172	1031102	63.140	ng	0.00
79) Terphenyl-d14	13.115	244	1256995	61.320	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.769	88	9401	3.480	ng	95
3) Pyridine	3.587	79	24425m	3.256	ng	
4) n-Nitrosodimethylamine	3.487	42	14423	3.261	ng	# 96
6) Aniline	6.622	93	35711	3.769	ng	98
8) 2-Chlorophenol	6.745	128	23954	3.732	ng	96
9) Benzaldehyde	6.516	77	22450	4.420	ng	90
10) Phenol	6.586	94	29890	3.729	ng	85
11) bis(2-Chloroethyl)ether	6.692	93	24907	3.709	ng	92
12) 1,3-Dichlorobenzene	6.904	146	28931	3.782	ng	96
13) 1,4-Dichlorobenzene	6.981	146	28013	3.604	ng	97
14) 1,2-Dichlorobenzene	7.133	146	26737	3.735	ng	97
15) Benzyl Alcohol	7.122	79	21182	3.573	ng	# 63
16) 2,2'-oxybis(1-Chloropr...	7.233	45	46050	3.586	ng	96
17) 2-Methylphenol	7.198	107	19784	3.616	ng	97
18) Hexachloroethane	7.481	117	10214	3.673	ng	93
19) n-Nitroso-di-n-propyla...	7.369	70	19380	3.662	ng	97
20) 3+4-Methylphenols	7.351	107	25536m	3.655	ng	
22) Acetophenone	7.369	105	38867	3.877	ng	# 97
24) Nitrobenzene	7.545	77	30737	3.776	ng	95
25) Isophorone	7.781	82	51925	3.725	ng	98
26) 2-Nitrophenol	7.863	139	7113	3.266	ng	# 92
27) 2,4-Dimethylphenol	7.892	122	21974	4.067	ng	92
28) bis(2-Chloroethoxy)met...	7.992	93	31265	3.949	ng	99
29) 2,4-Dichlorophenol	8.098	162	20473	3.493	ng	97
30) 1,2,4-Trichlorobenzene	8.192	180	25340	3.490	ng	96
31) Naphthalene	8.275	128	76486	3.644	ng	99
33) 4-Chloroaniline	8.316	127	30259	3.655	ng	98
34) Hexachlorobutadiene	8.392	225	16208	3.447	ng	100
35) Caprolactam	8.645	113	5705	3.704	ng	# 86
36) 4-Chloro-3-methylphenol	8.786	107	20194	3.316	ng	89
37) 2-Methylnaphthalene	8.969	142	51378	3.613	ng	97
38) 1-Methylnaphthalene	9.069	142	49879	3.617	ng	96
40) 1,2,4,5-Tetrachloroben...	9.133	216	27907	3.620	ng	98
41) Hexachlorocyclopentadiene	9.122	237	12051	3.477	ng	99
43) 2,4,6-Trichlorophenol	9.239	196	13584	3.106	ng	95
44) 2,4,5-Trichlorophenol	9.275	196	16109	3.275	ng	94

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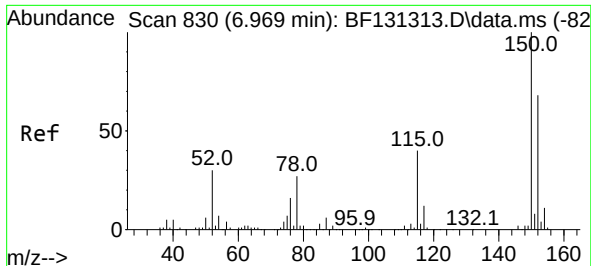
Quant Time: Nov 23 03:41:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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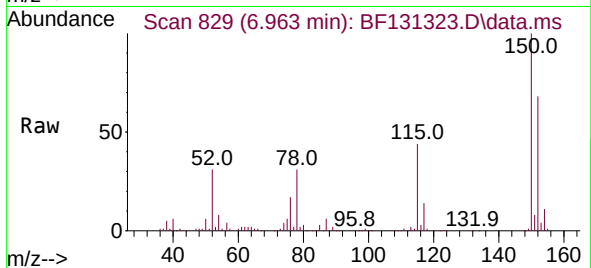
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.433	154	70021	3.862	ng	96
47) 2-Chloronaphthalene	9.457	162	52087	3.581	ng	98
48) 2-Nitroaniline	9.551	65	13514	3.060	ng	97
49) Acenaphthylene	9.874	152	79325	3.578	ng	99
50) Dimethylphthalate	9.727	163	60690	3.666	ng	99
51) 2,6-Dinitrotoluene	9.792	165	10792	3.260	ng	# 84
52) Acenaphthene	10.051	154	48422	3.488	ng	98
53) 3-Nitroaniline	9.963	138	10904	3.206	ng	96
55) Dibenzofuran	10.222	168	73442	3.677	ng	96
56) 4-Nitrophenol	10.104	139	6984	2.958	ng	91
57) 2,4-Dinitrotoluene	10.192	165	13072	3.138	ng	# 94
58) Fluorene	10.569	166	59980	3.848	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.333	232	13625	3.327	ng	97
60) Diethylphthalate	10.433	149	58642	3.752	ng	100
61) 4-Chlorophenyl-phenyle...	10.563	204	32428	4.058	ng	92
62) 4-Nitroaniline	10.569	138	11044	3.262	ng	94
63) Azobenzene	10.722	77	60699	3.612	ng	96
66) n-Nitrosodiphenylamine	10.674	169	51004	3.506	ng	99
67) 4-Bromophenyl-phenylether	11.051	248	19591	3.501	ng	97
68) Hexachlorobenzene	11.116	284	21328	3.591	ng	# 88
69) Atrazine	11.198	200	17459	3.897	ng	98
70) Pentachlorophenol	11.304	266	7317	2.401	ng	85
71) Phenanthrene	11.533	178	91666	3.715	ng	99
72) Anthracene	11.586	178	91214	3.761	ng	99
73) Carbazole	11.739	167	77255	3.735	ng	98
74) Di-n-butylphthalate	12.074	149	88780	3.642	ng	99
75) Fluoranthene	12.733	202	95221	3.662	ng	97
77) Benzidine	12.857	184	32870	5.309	ng	96
78) Pyrene	12.963	202	98090	3.317	ng	97
80) Butylbenzylphthalate	13.586	149	25082	2.943	ng	96
81) Benzo(a)anthracene	14.157	228	79125	3.444	ng	96
82) 3,3'-Dichlorobenzidine	14.121	252	20205	3.314	ng	99
83) Chrysene	14.198	228	73502	3.261	ng	99
84) Bis(2-ethylhexyl)phtha...	14.145	149	34373	2.989	ng	# 99
85) Di-n-octyl phthalate	14.774	149	38597	2.225	ng	100
87) Indeno(1,2,3-cd)pyrene	17.274	276	41596	2.592	ng	96
88) Benzo(b)fluoranthene	15.245	252	52246	3.291	ng	96
89) Benzo(k)fluoranthene	15.280	252	56075	3.437	ng	99
90) Benzo(a)pyrene	15.639	252	43439	3.335	ng	# 96
91) Dibenzo(a,h)anthracene	17.303	278	36850	2.781	ng	# 93
92) Benzo(g,h,i)perylene	17.750	276	35316	2.670	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

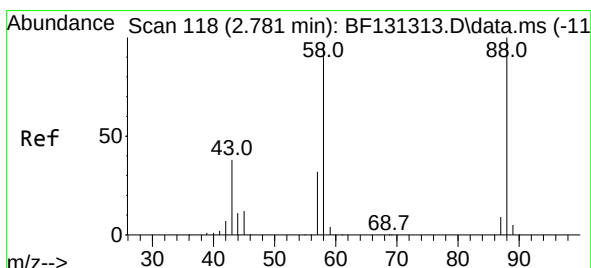
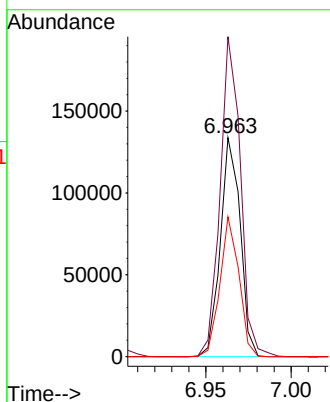
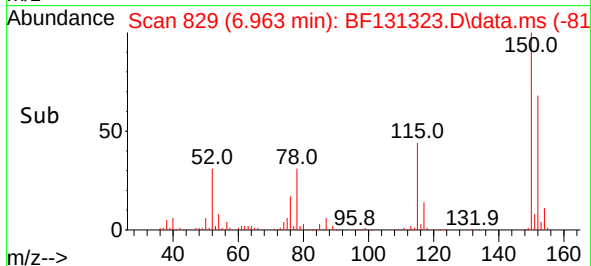
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:152 Resp: 107838
Ion Ratio Lower Upper
152 100
150 146.2 117.8 176.8
115 63.9 47.1 70.7

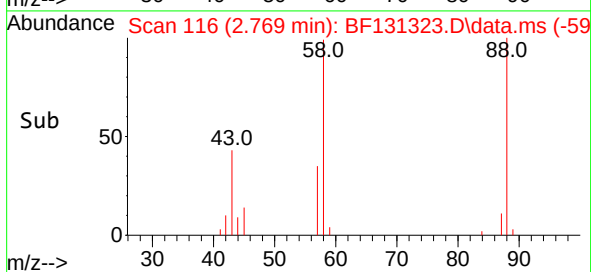
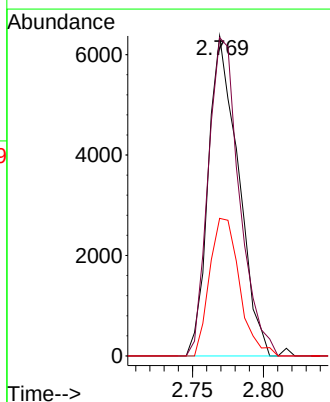
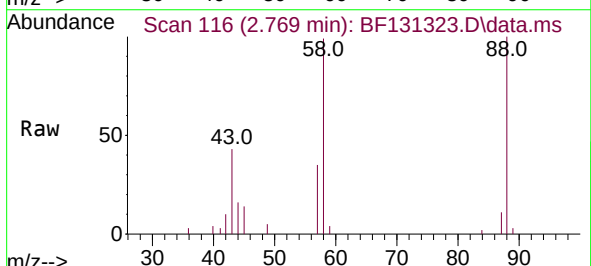
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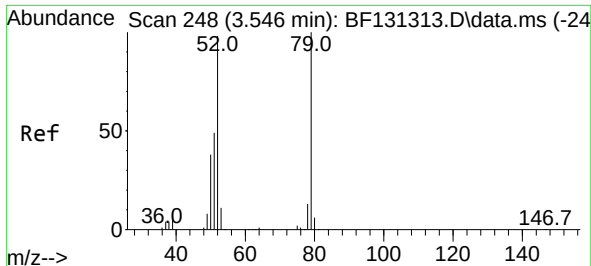
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#2
1,4-Dioxane
Concen: 3.480 ng
RT: 2.769 min Scan# 116
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 88 Resp: 9401
Ion Ratio Lower Upper
88 100
58 103.0 78.2 117.4
43 42.7 31.6 47.4





#3

Pyridine

Concen: 3.256 ng m

RT: 3.587 min Scan# 244

Delta R.T. 0.041 min

Lab File: BF131323.D

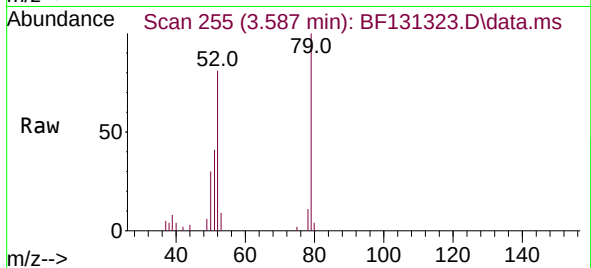
Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

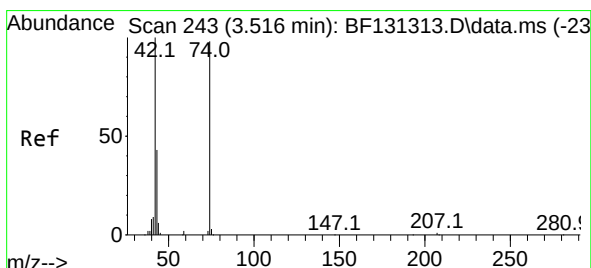
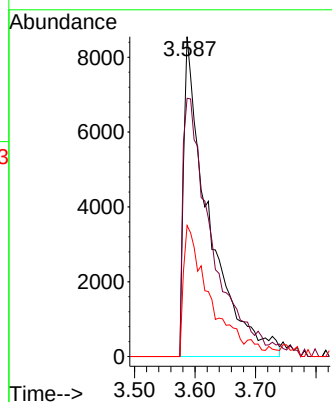
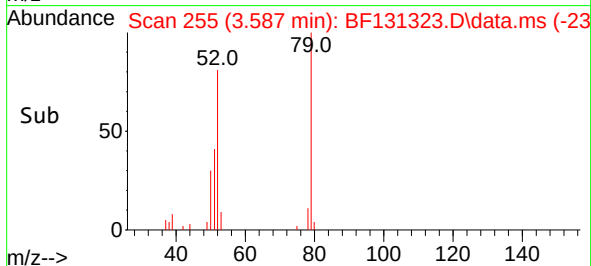


Tgt Ion: 79	Resp: 24425
Ion Ratio	Lower Upper
79	100
52	80.7 78.7 118.1
51	41.0 39.3 58.9

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 3.261 ng

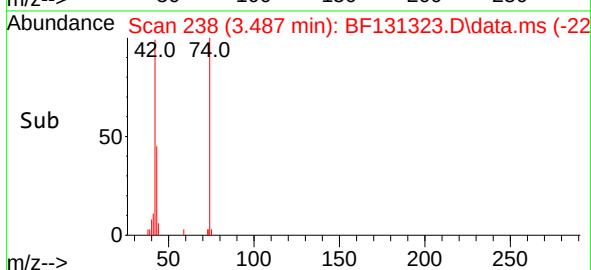
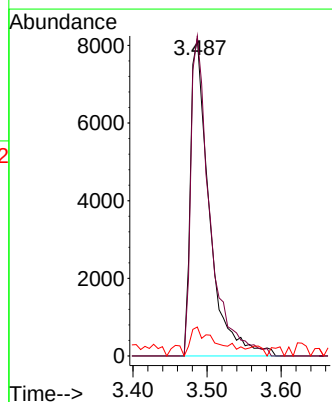
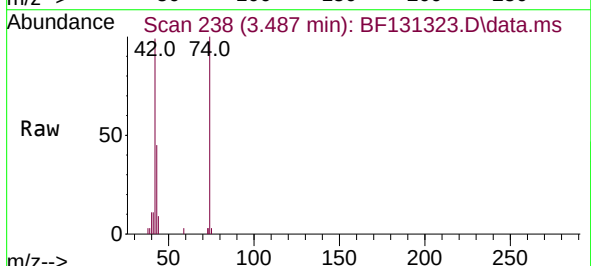
RT: 3.487 min Scan# 238

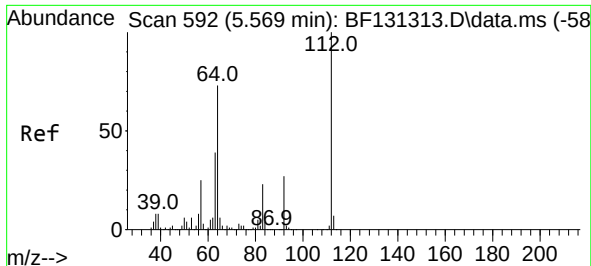
Delta R.T. -0.030 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

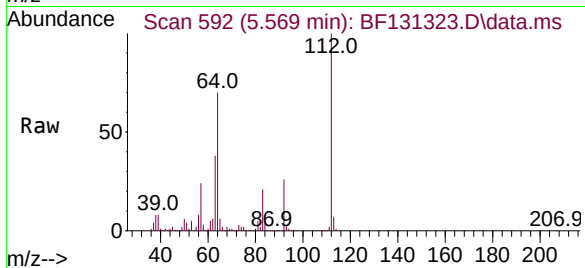
Tgt Ion: 42	Resp: 14423
Ion Ratio	Lower Upper
42	100
74	100.9 78.0 117.0
44	9.1 5.2 7.8#





#5
2-Fluorophenol
Concen: 94.986 ng
RT: 5.569 min Scan# 592
Delta R.T. -0.000 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

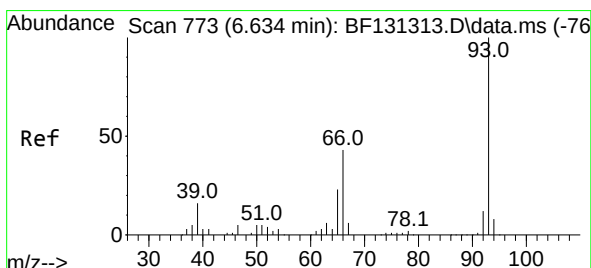
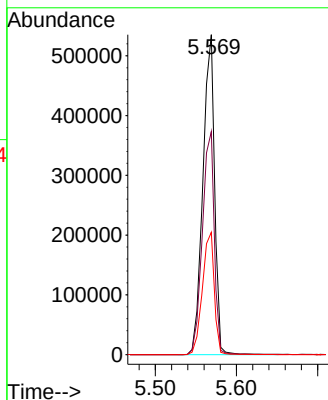
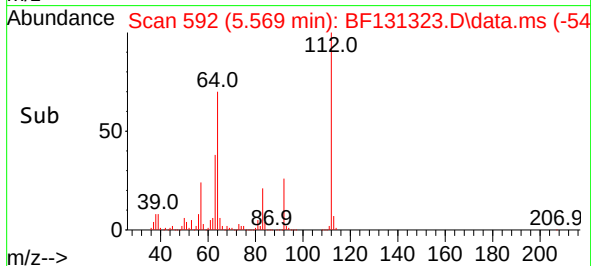
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion: 112 Resp: 538200
Ion Ratio Lower Upper
112 100
64 69.7 58.6 88.0
63 38.2 31.4 47.0

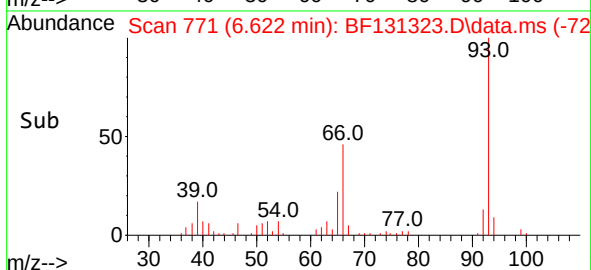
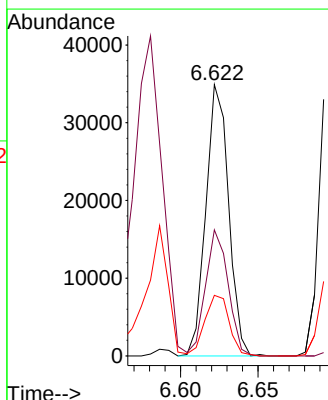
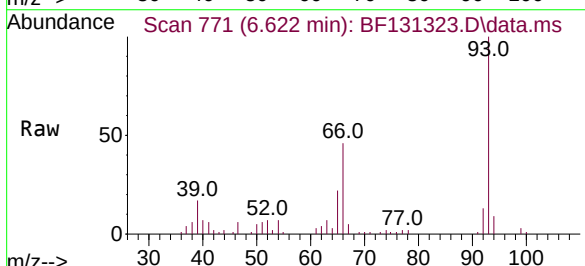
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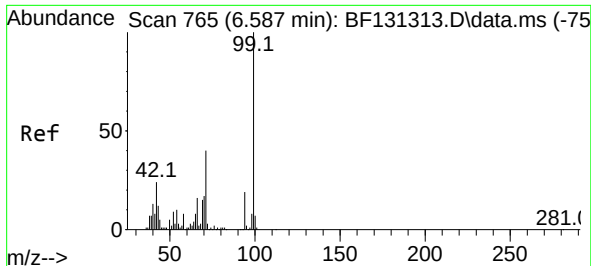
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#6
Aniline
Concen: 3.769 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

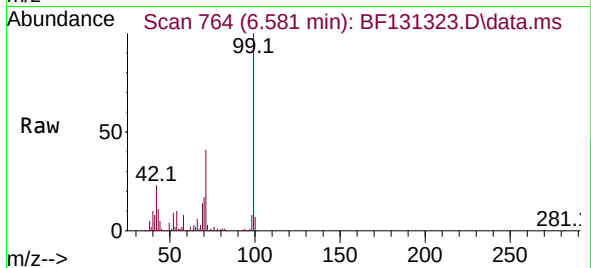
Tgt Ion: 93 Resp: 35711
Ion Ratio Lower Upper
93 100
66 46.5 35.6 53.4
65 22.4 18.4 27.6





#7
Phenol-d6
Concen: 93.004 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

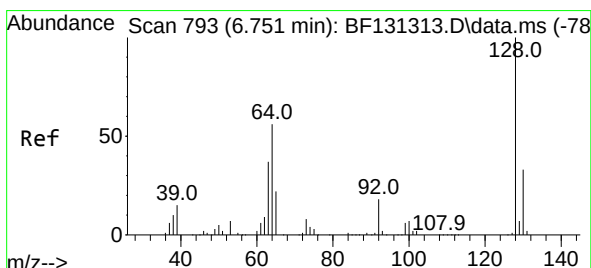
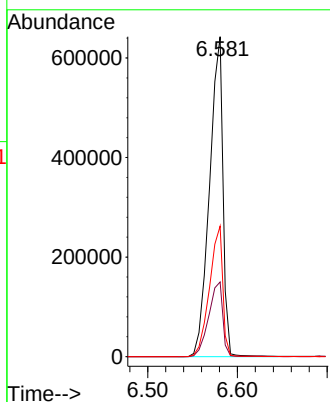
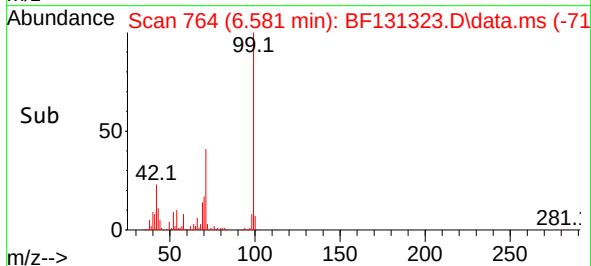
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion: 99 Resp: 67235
Ion Ratio Lower Upper
99 100
42 23.3 19.4 29.2
71 40.8 32.3 48.5

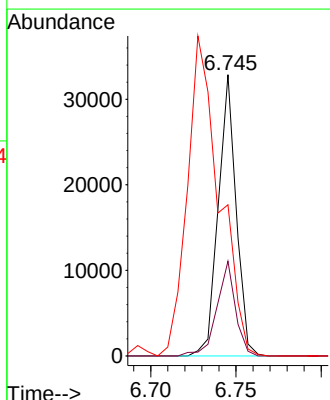
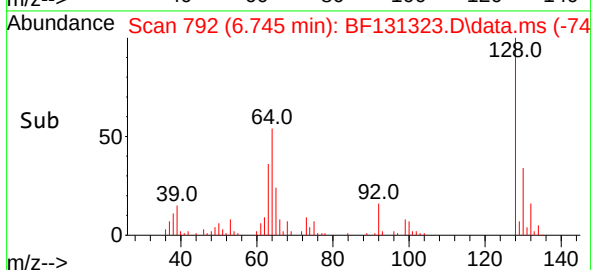
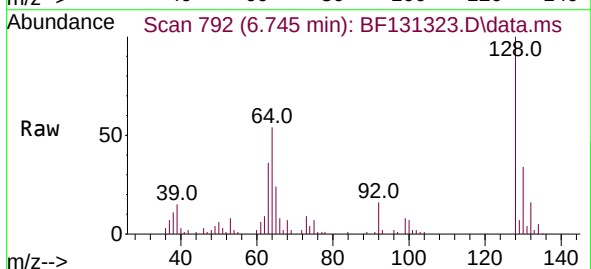
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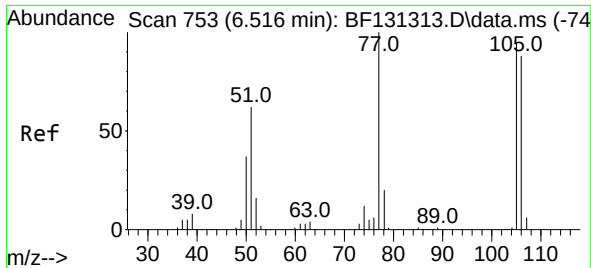
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#8
2-Chlorophenol
Concen: 3.732 ng
RT: 6.745 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:128 Resp: 23954
Ion Ratio Lower Upper
128 100
130 33.7 12.5 52.5
64 53.7 36.9 76.9





#9

Benzaldehyde

Concen: 4.420 ng

RT: 6.516 min Scan# 753

Delta R.T. -0.000 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

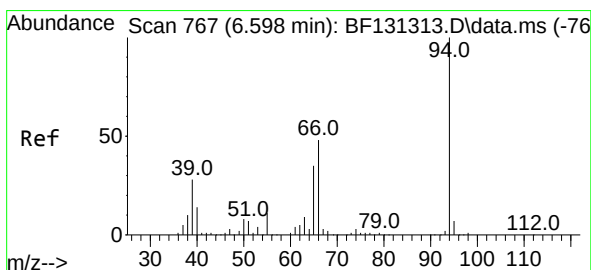
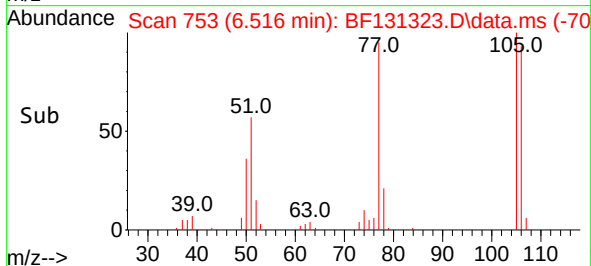
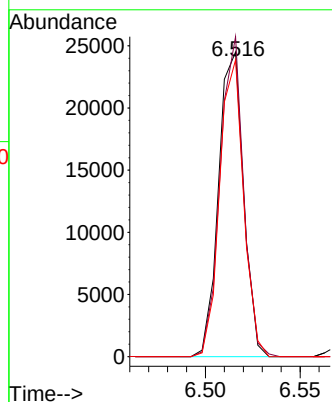
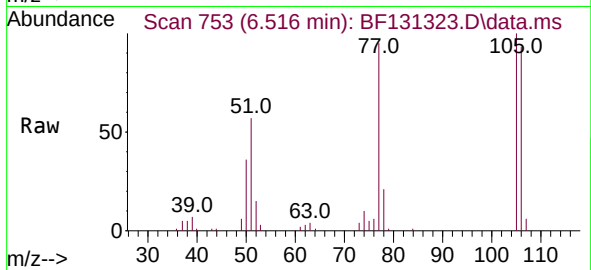
Tgt Ion: 77	Resp: 22450
Ion Ratio	Lower Upper
77 100	
105 105.1	74.5 114.5
106 97.4	68.1 108.1

Manual Integrations

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#10

Phenol

Concen: 3.729 ng

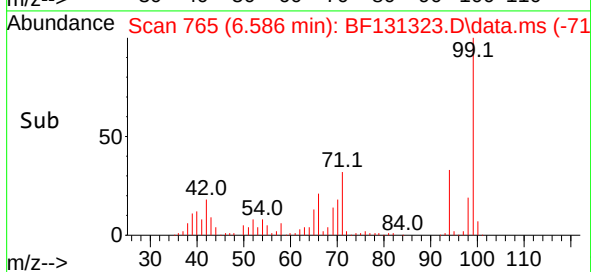
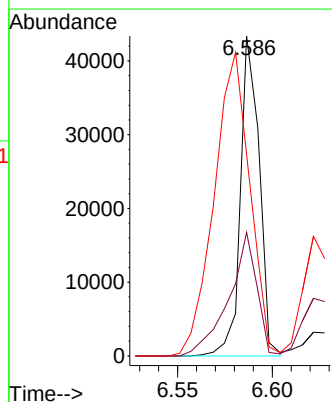
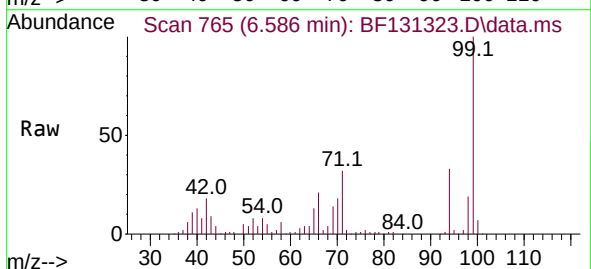
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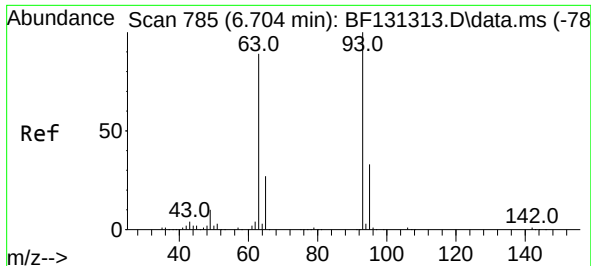
Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Tgt Ion: 94	Resp: 29890
Ion Ratio	Lower Upper
94 100	
65 38.6	15.0 55.0
66 62.9	28.6 68.6





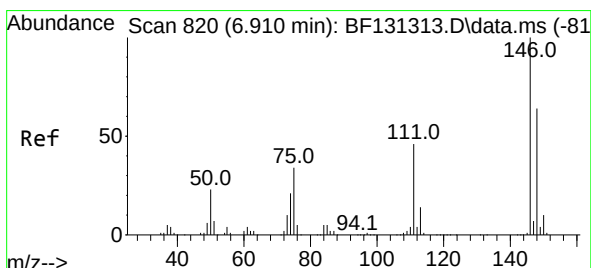
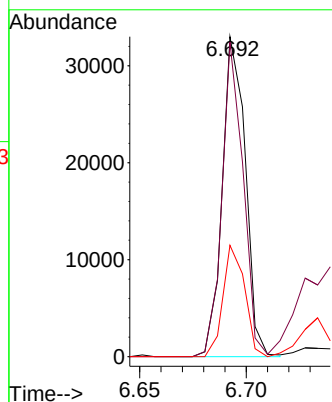
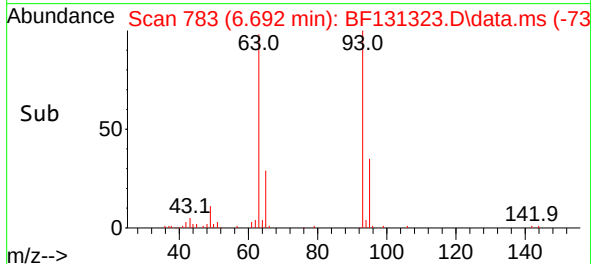
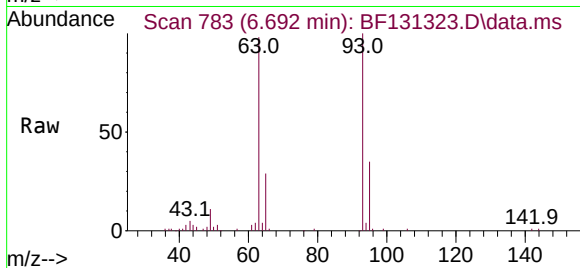
#11
bis(2-Chloroethyl)ether
Concen: 3.709 ng
RT: 6.692 min Scan# 785
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Instrument : BNA_F
Client Sample Id : MDL-SOIL-03-QT4-2022

Tgt Ion: 93 Resp: 24907
Ion Ratio Lower Upper
93 100
63 98.3 68.6 108.6
95 34.8 13.1 53.1

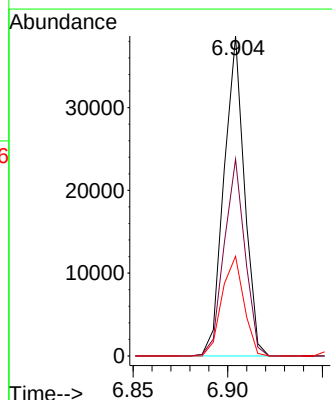
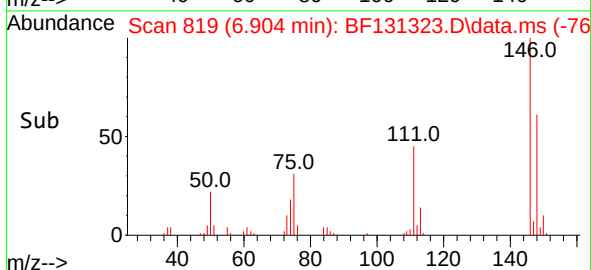
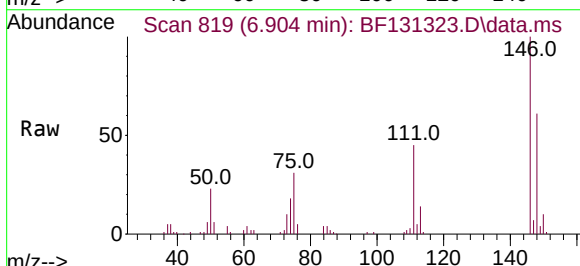
Manual Integrations
APPROVED

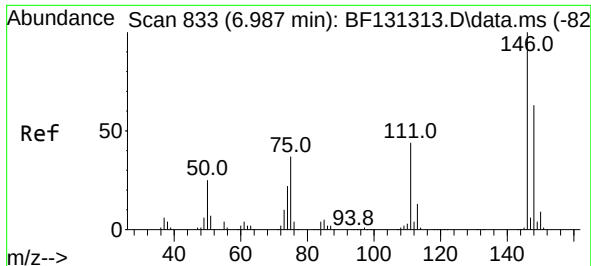
Reviewed By : Christian Giraldo 11/23/2022
Supervised By : Jagrut Upadhyay 11/23/2022



#12
1,3-Dichlorobenzene
Concen: 3.782 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

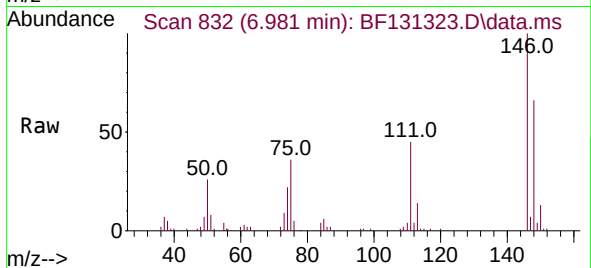
Tgt Ion: 146 Resp: 28931
Ion Ratio Lower Upper
146 100
148 61.5 51.4 77.2
75 31.1 27.6 41.4





#13
1,4-Dichlorobenzene
Concen: 3.604 ng
RT: 6.981 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

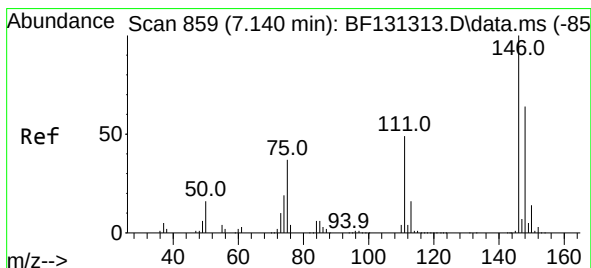
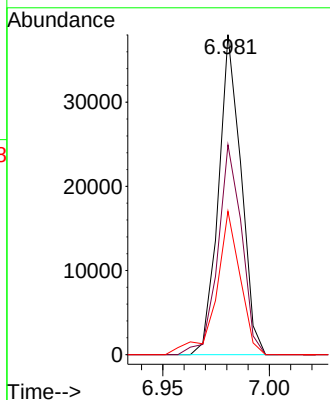
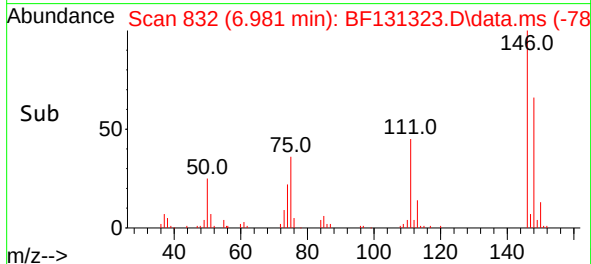
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



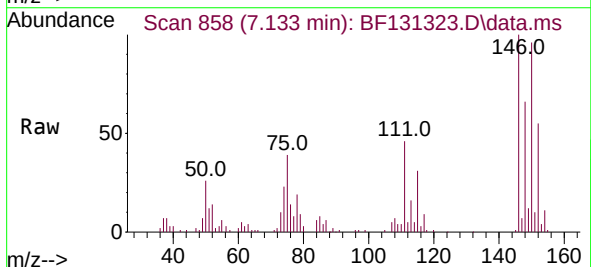
Tgt Ion:146 Resp: 28013
Ion Ratio Lower Upper
146 100
148 65.6 50.2 75.2
111 44.8 35.0 52.6

Manual Integrations
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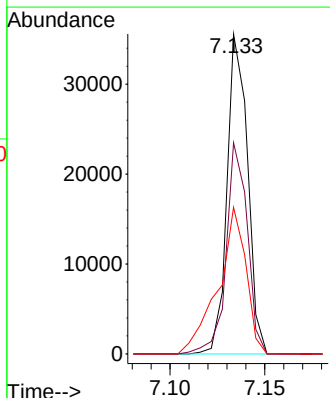
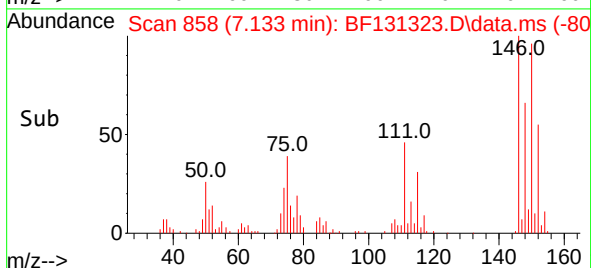
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

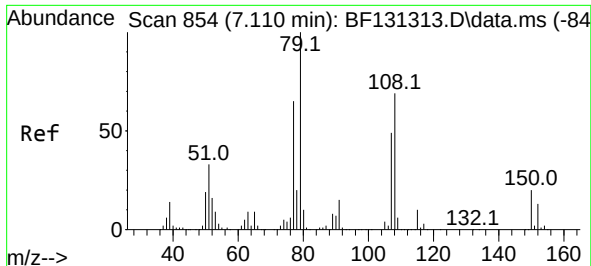


#14
1,2-Dichlorobenzene
Concen: 3.735 ng
RT: 7.133 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



Tgt Ion:146 Resp: 26737
Ion Ratio Lower Upper
146 100
148 66.0 51.4 77.0
111 45.8 39.4 59.0





#15

Benzyl Alcohol

Concen: 3.573 ng

RT: 7.122 min Scan# 80

Delta R.T. 0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

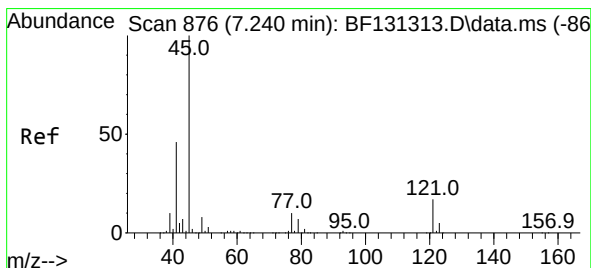
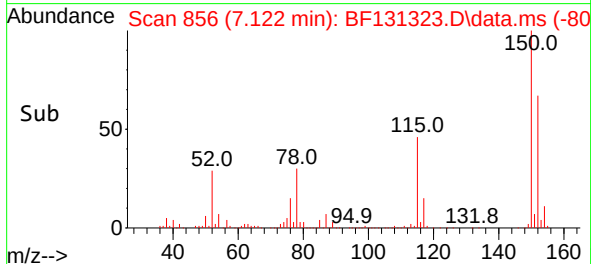
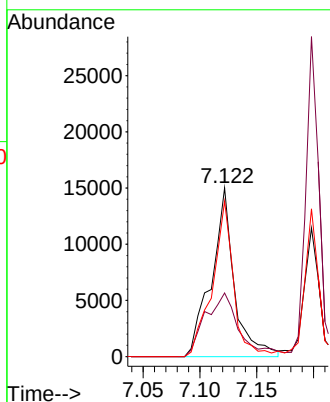
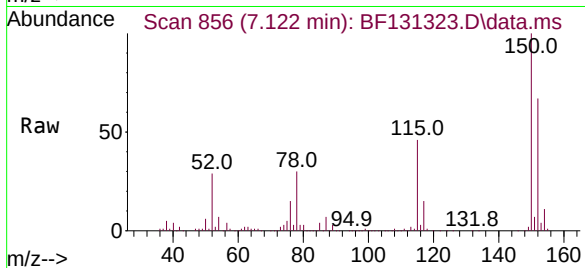
MDL-SOIL-03-QT4-2022

Tgt Ion: 79 Resp: 21182
 Ion Ratio Lower Upper
 79 100
 108 37.7 55.1 82.7
 77 92.1 51.8 77.8

Manual Integrations

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Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.586 ng

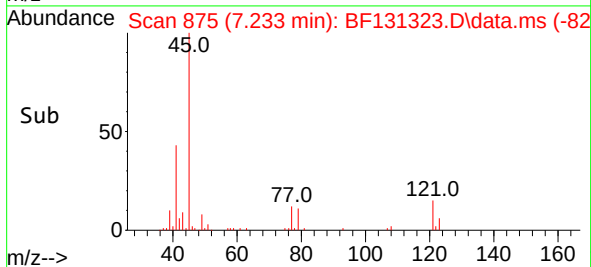
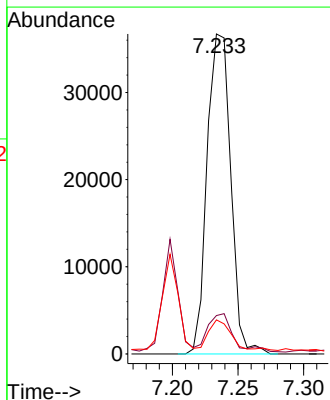
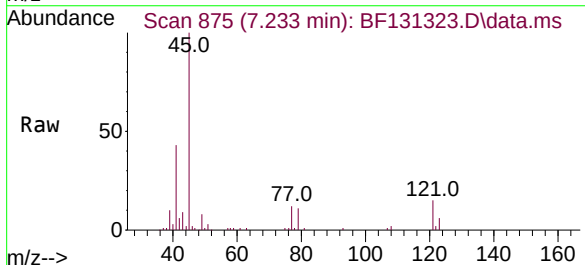
RT: 7.233 min Scan# 875

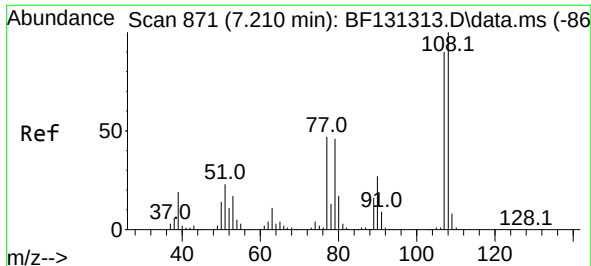
Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

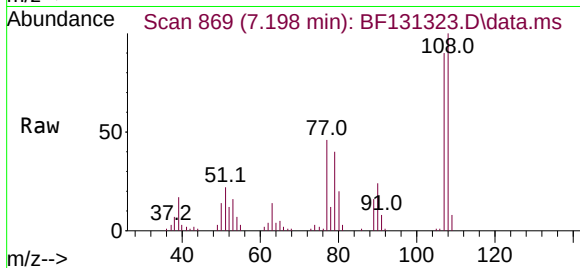
Tgt Ion: 45 Resp: 46050
 Ion Ratio Lower Upper
 45 100
 77 12.0 0.0 31.2
 79 10.6 0.0 28.4





#17
2-Methylphenol
Concen: 3.616 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

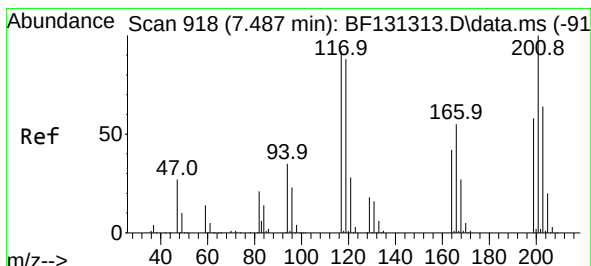
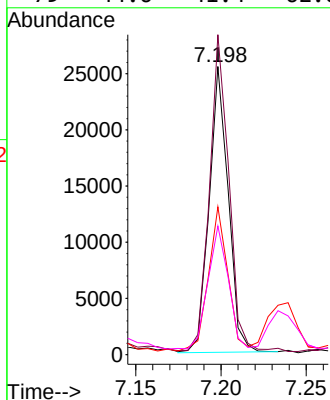
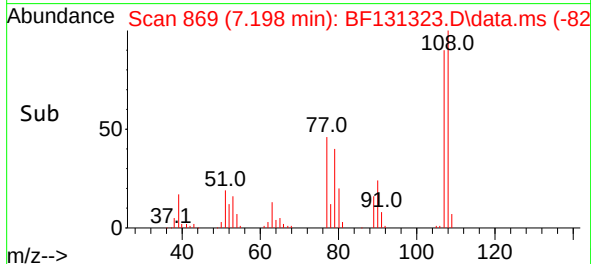
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:107 Resp: 19784
Ion Ratio Lower Upper
107 100
108 111.1 89.0 133.6
77 51.3 42.5 63.7
79 44.6 41.4 62.0

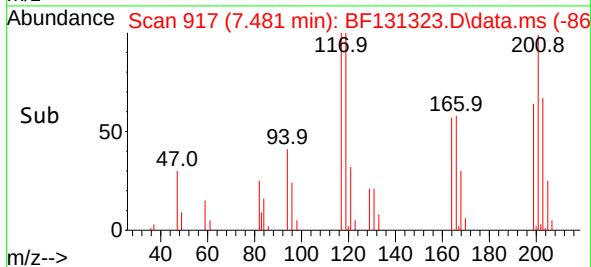
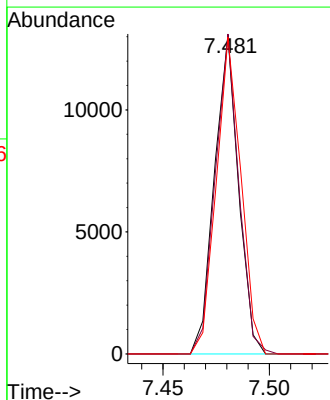
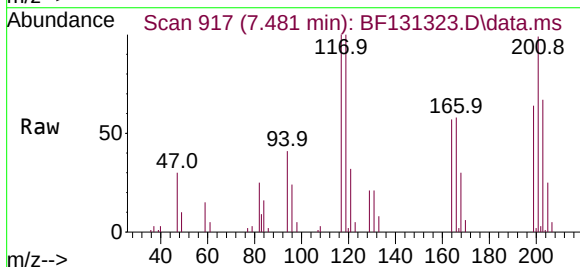
Manual Integrations
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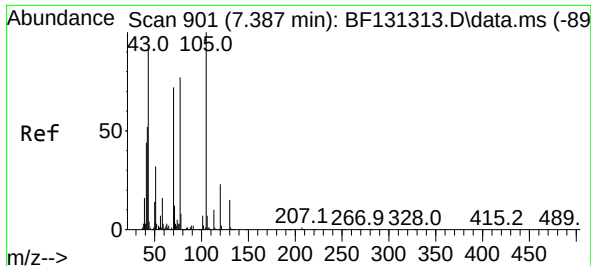
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#18
Hexachloroethane
Concen: 3.673 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

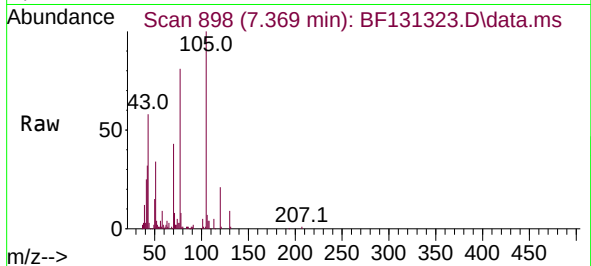
Tgt Ion:117 Resp: 10214
Ion Ratio Lower Upper
117 100
119 100.3 76.6 115.0
201 99.3 87.0 130.6





#19
n-Nitroso-di-n-propylamine
Concen: 3.662 ng
RT: 7.369 min Scan# 891
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

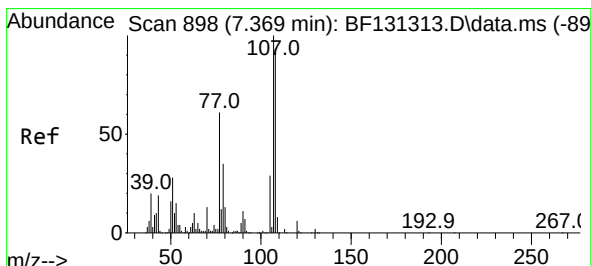
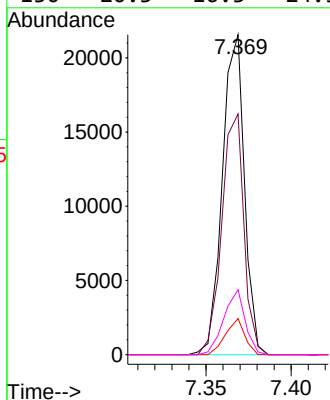
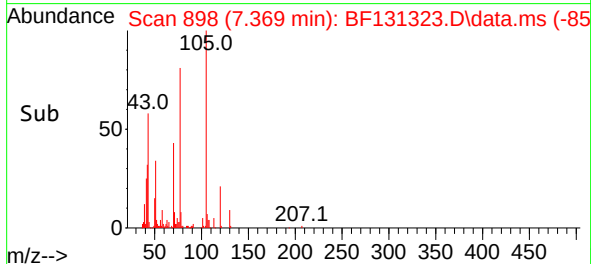
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



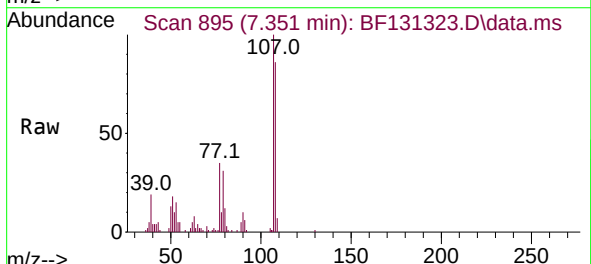
Tgt Ion: 70 Resp: 19380
Ion Ratio Lower Upper
70 100
42 75.2 57.6 86.4
101 11.3 8.2 12.2
130 20.3 16.3 24.5

Manual Integrations
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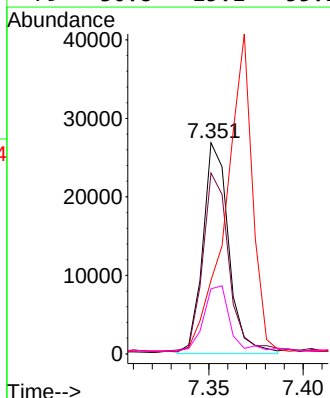
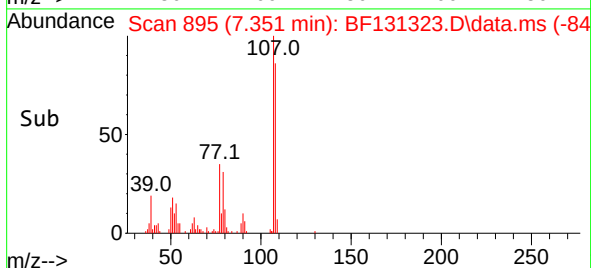
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

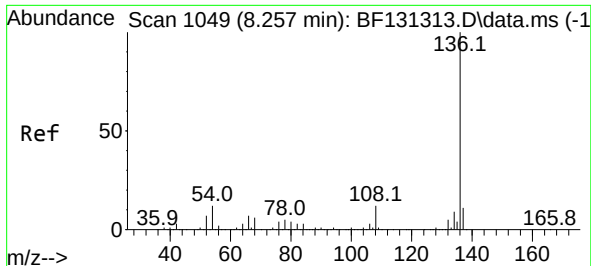


#20
3+4-Methylphenols
Concen: 3.655 ng m
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



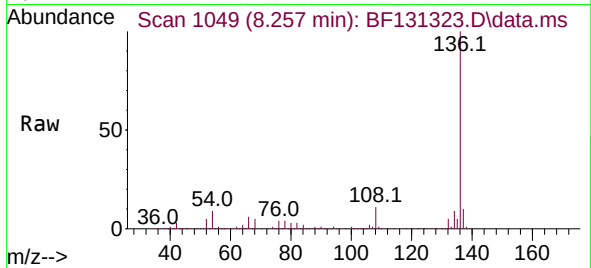
Tgt Ion:107 Resp: 25536
Ion Ratio Lower Upper
107 100
108 85.7 72.6 112.6
77 34.8 41.4 81.4#
79 30.8 15.1 55.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

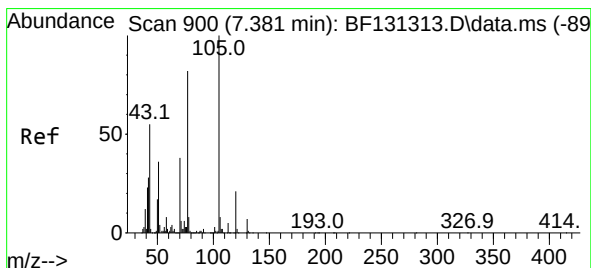
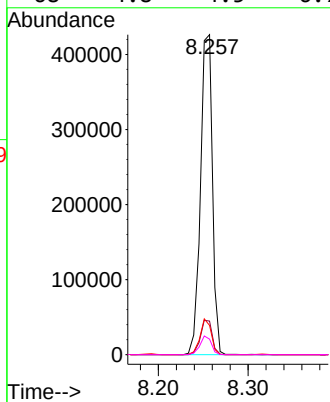
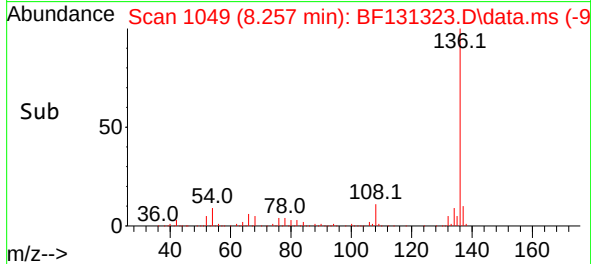
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



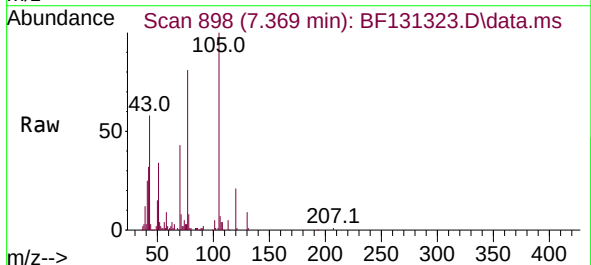
Tgt Ion:136 Resp: 393835
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.6
54 9.1 9.4 14.0
68 4.8 4.5 6.7

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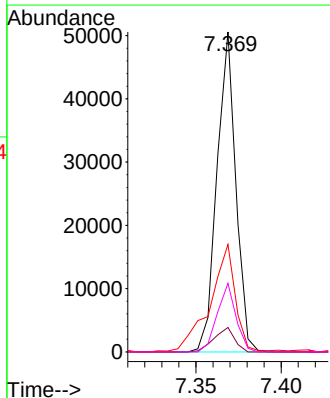
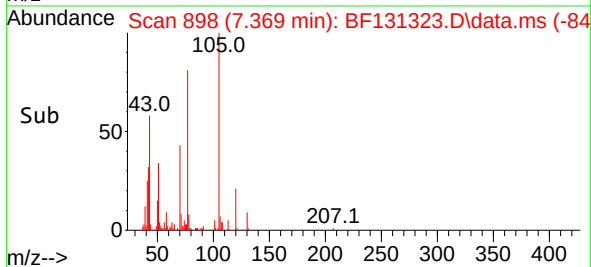
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

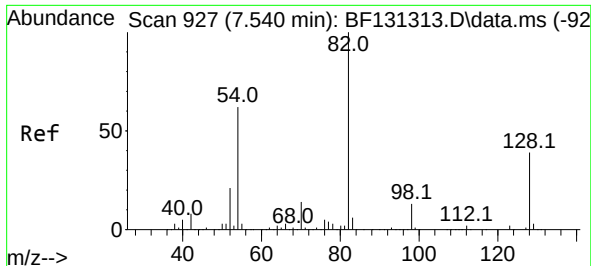


#22
Acetophenone
Concen: 3.877 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



Tgt Ion:105 Resp: 38867
Ion Ratio Lower Upper
105 100
71 7.6 4.9 7.3#
51 33.6 29.0 43.4
120 21.4 16.9 25.3





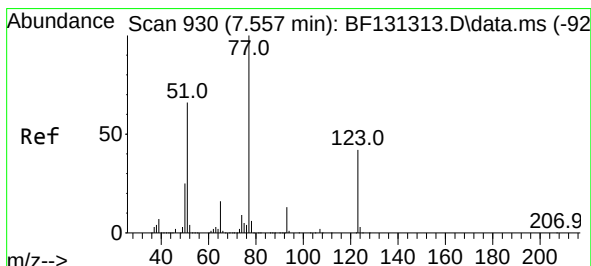
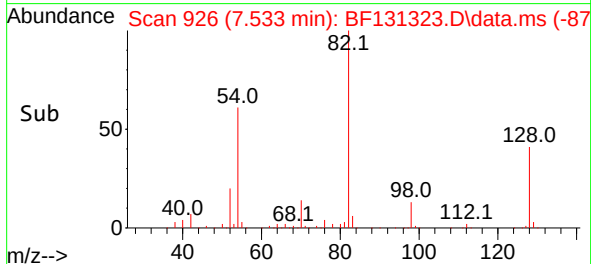
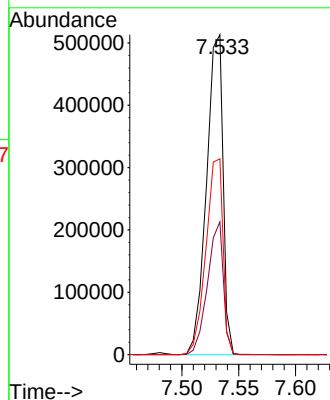
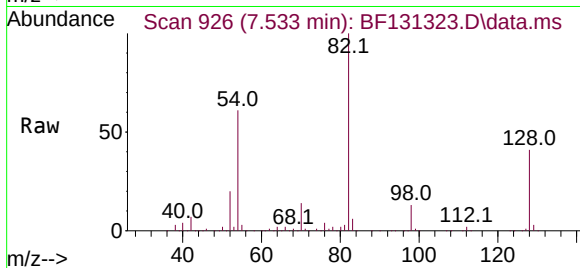
#23
Nitrobenzene-d5
Concen: 66.756 ng
RT: 7.533 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 82 Resp: 52155
Ion Ratio Lower Upper
82 100
128 41.5 31.4 47.0
54 61.2 49.8 74.6

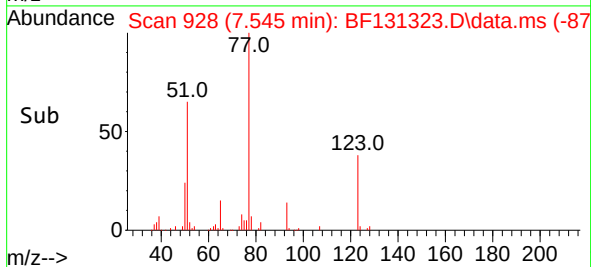
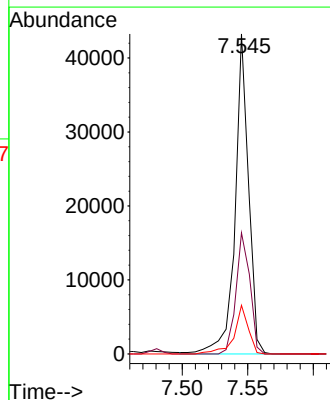
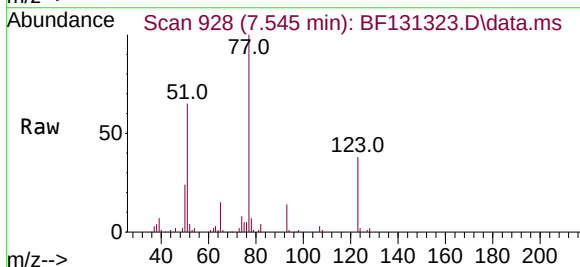
Manual Integrations
APPROVED

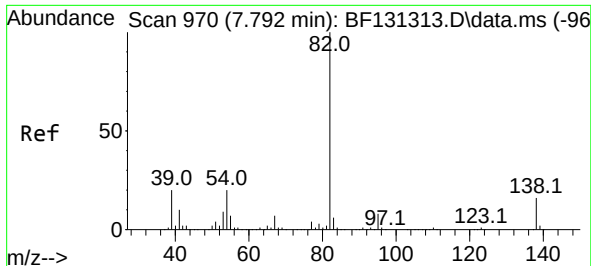
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#24
Nitrobenzene
Concen: 3.776 ng
RT: 7.545 min Scan# 928
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion: 77 Resp: 30737
Ion Ratio Lower Upper
77 100
123 37.8 33.3 49.9
65 15.2 12.7 19.1





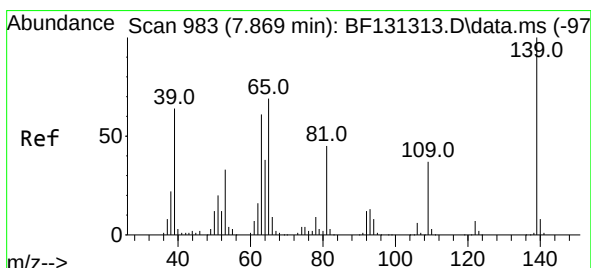
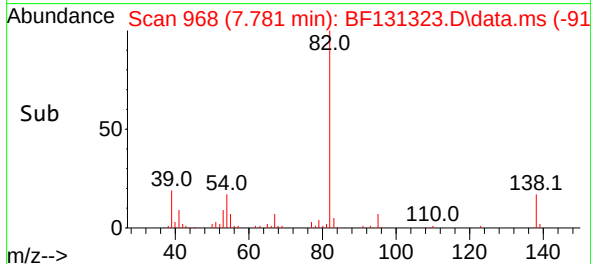
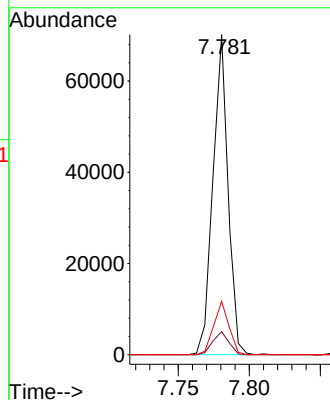
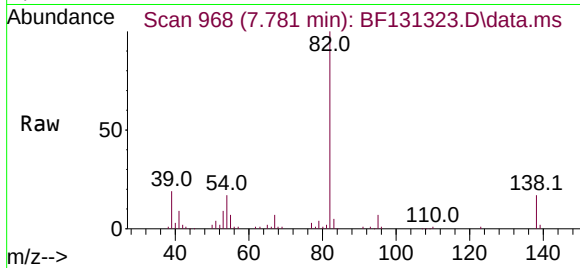
#25
Isophorone
Concen: 3.725 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 82 Resp: 51925
Ion Ratio Lower Upper
82 100
95 7.2 6.2 9.2
138 16.6 12.7 19.1

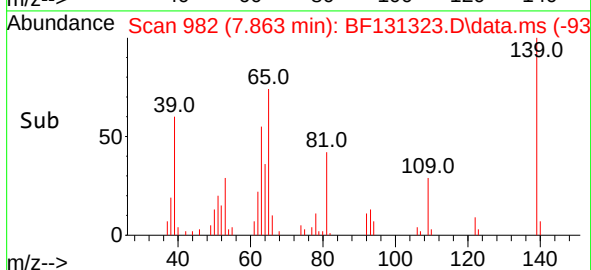
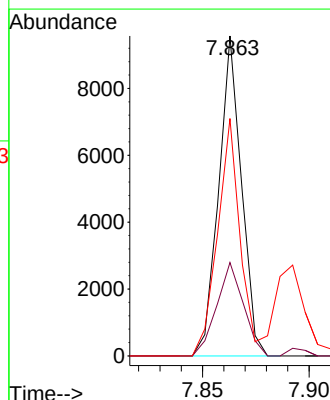
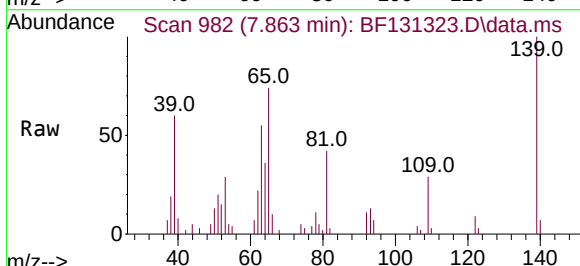
Manual Integrations
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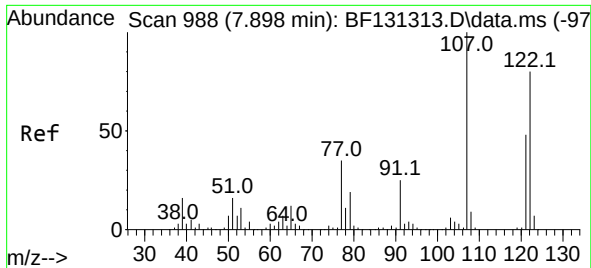
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#26
2-Nitrophenol
Concen: 3.266 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:139 Resp: 7113
Ion Ratio Lower Upper
139 100
109 29.2 29.9 44.9#
65 74.2 55.7 83.5





#27

2,4-Dimethylphenol

Concen: 4.067 ng

RT: 7.892 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

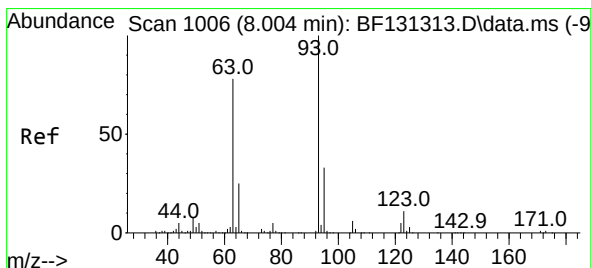
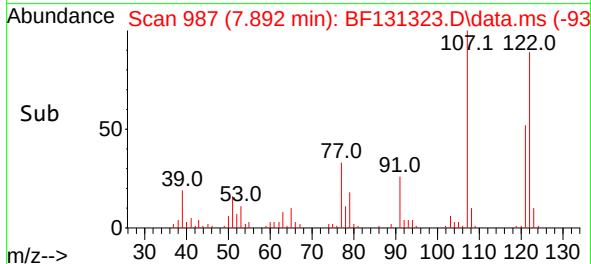
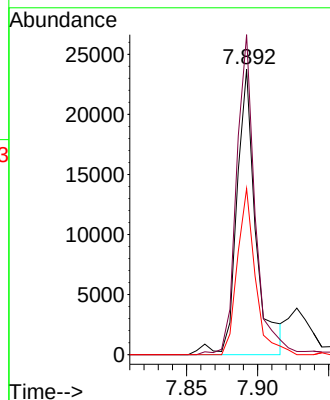
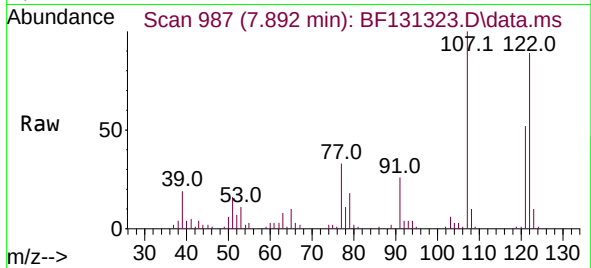
Tgt Ion:	122	Resp:	21974
Ion Ratio	Lower	Upper	
122	100		
107	112.2	99.9	149.9
121	58.2	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#28

bis(2-Chloroethoxy)methane

Concen: 3.949 ng

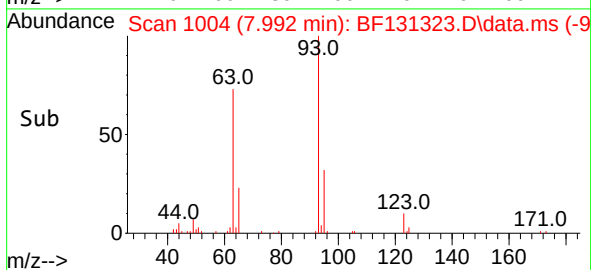
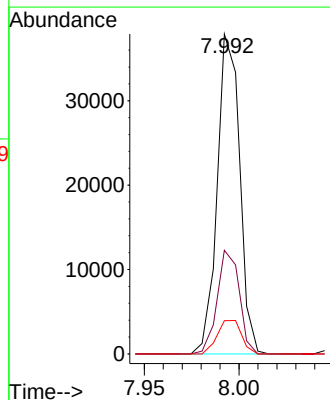
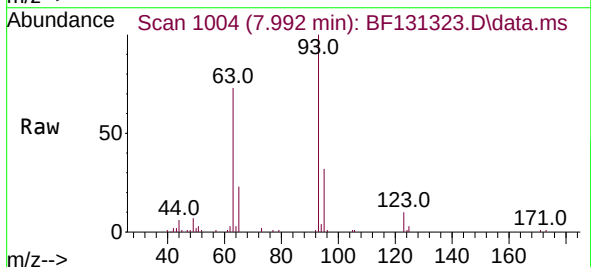
RT: 7.992 min Scan# 1004

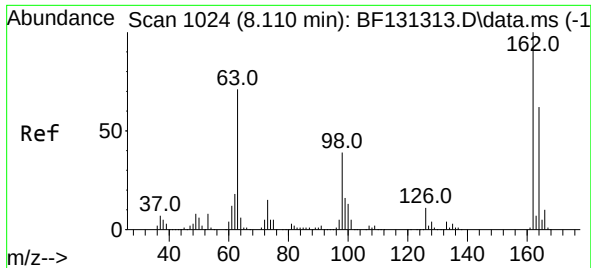
Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Tgt Ion:	93	Resp:	31265
Ion Ratio	Lower	Upper	
93	100		
95	32.4	26.4	39.6
123	10.4	8.8	13.2





#29

2,4-Dichlorophenol

Concen: 3.493 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

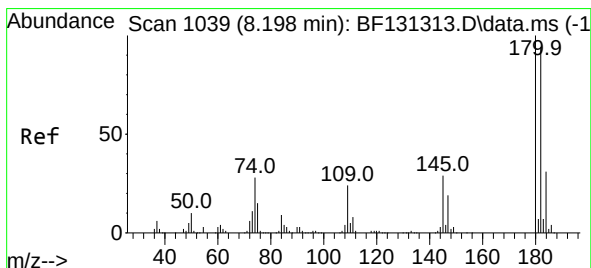
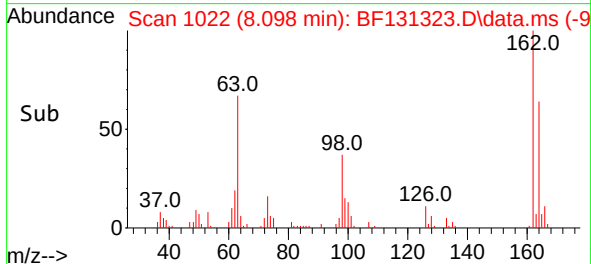
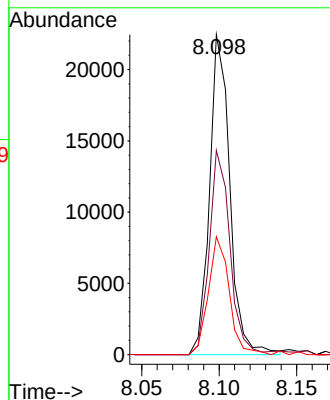
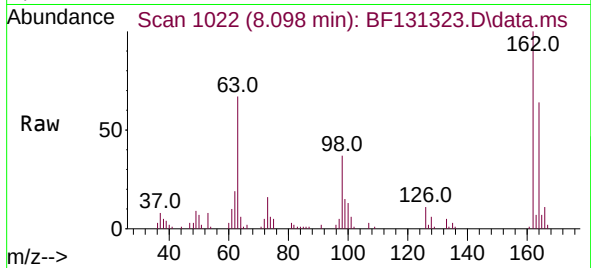
Tgt Ion:162	Resp:	20473
Ion Ratio	Lower	Upper
162	100	
164	63.8	42.2 82.2
98	36.8	18.8 58.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#30

1,2,4-Trichlorobenzene

Concen: 3.490 ng

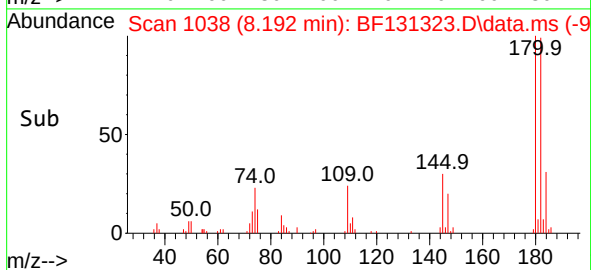
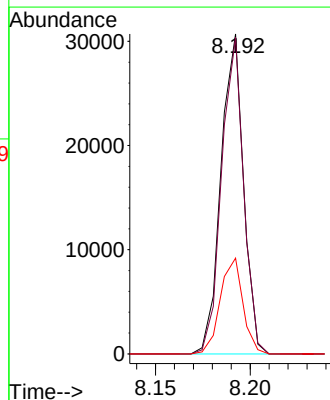
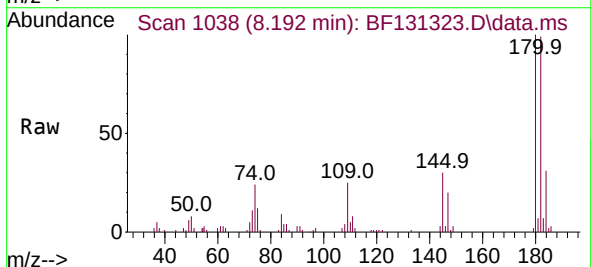
RT: 8.192 min Scan# 1038

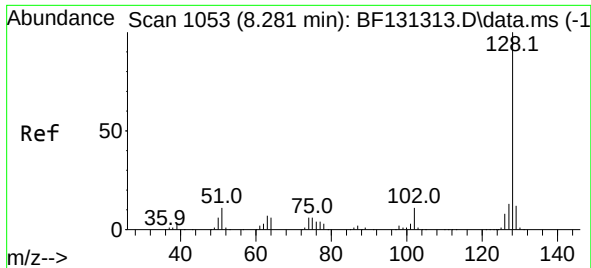
Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

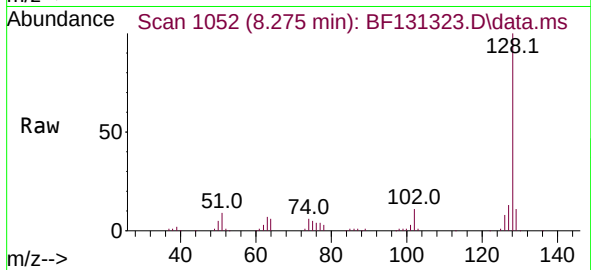
Tgt Ion:180	Resp:	25340
Ion Ratio	Lower	Upper
180	100	
182	98.9	75.3 112.9
145	29.9	23.4 35.0





#31
Naphthalene
Concen: 3.644 ng
RT: 8.275 min Scan# 1052
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

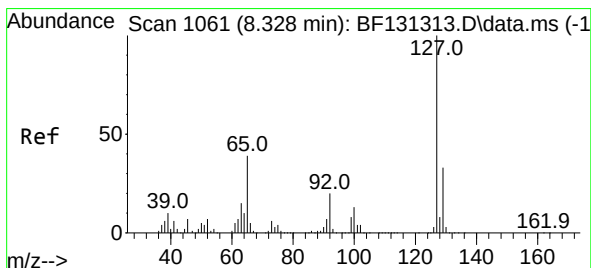
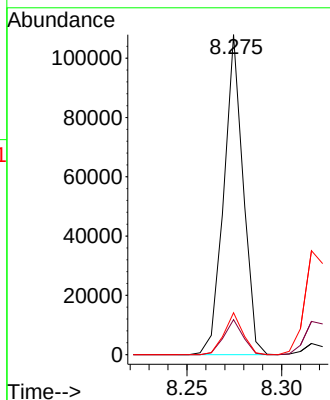
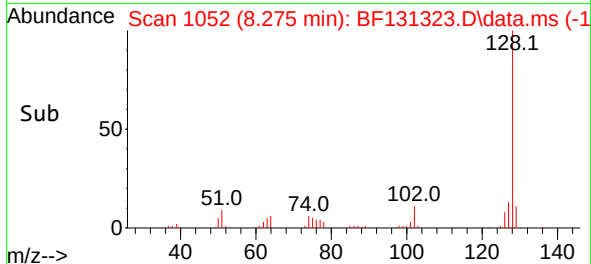
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2022



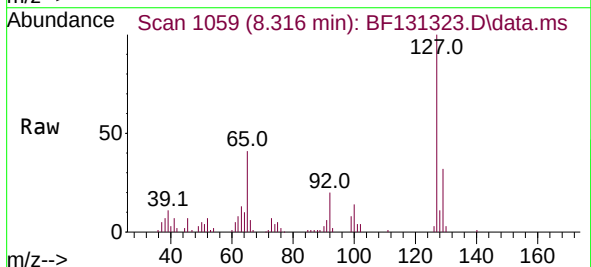
Tgt Ion:128 Resp: 76486
Ion Ratio Lower Upper
128 100
129 10.9 9.2 13.8
127 13.1 10.6 16.0

Manual Integrations
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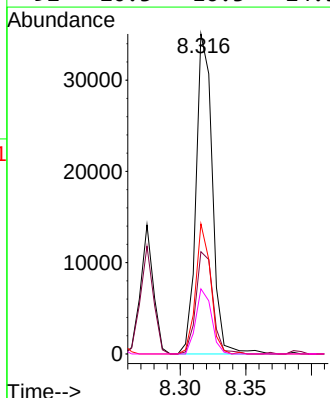
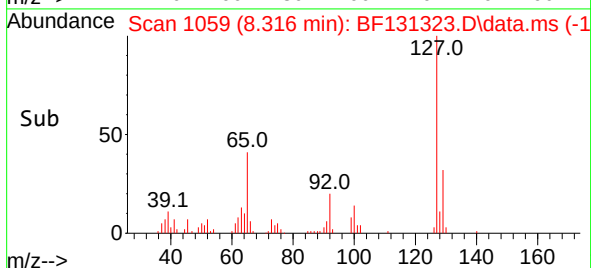
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

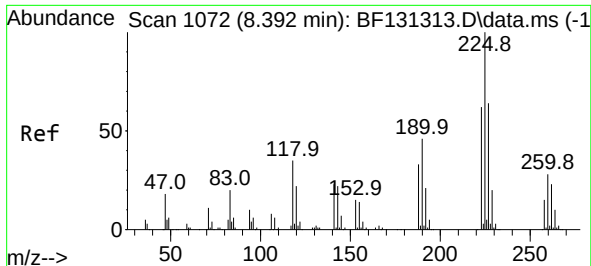


#33
4-Chloroaniline
Concen: 3.655 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



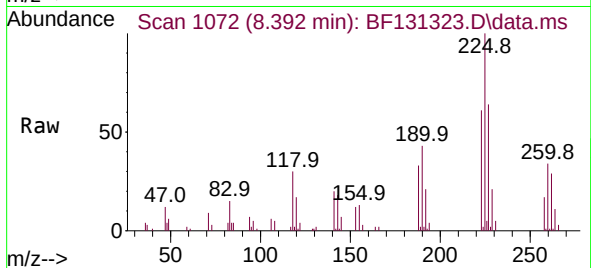
Tgt Ion:127 Resp: 30259
Ion Ratio Lower Upper
127 100
129 31.9 26.4 39.6
65 40.6 31.0 46.6
92 20.3 16.3 24.5





#34
Hexachlorobutadiene
Concen: 3.447 ng
RT: 8.392 min Scan# 1072
Delta R.T. -0.000 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

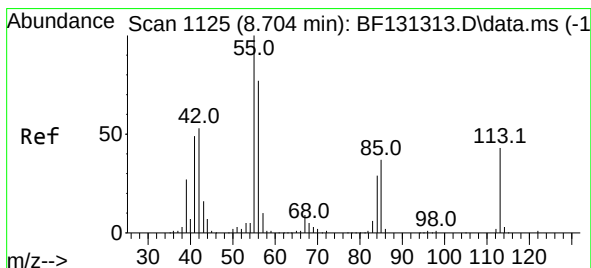
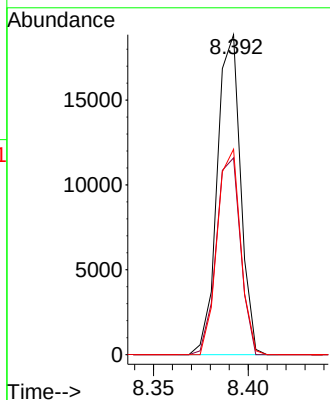
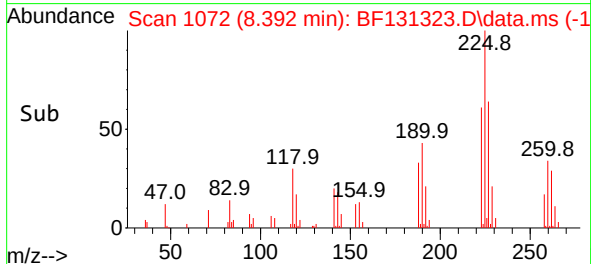
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:225 Resp: 16208
Ion Ratio Lower Upper
225 100
223 61.5 49.4 74.0
227 64.2 51.1 76.7

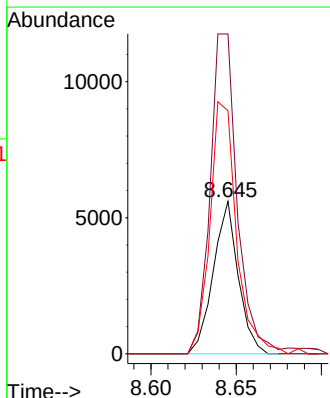
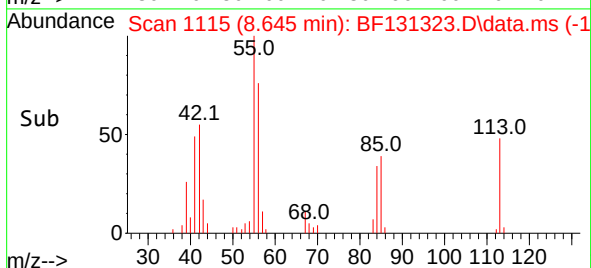
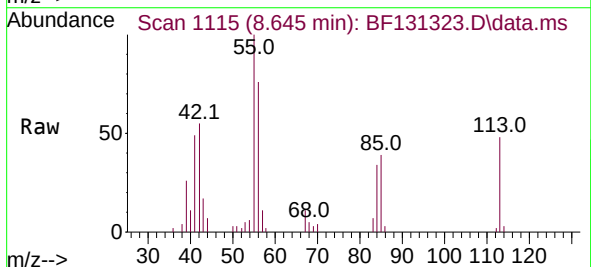
Manual Integrations
APPROVED

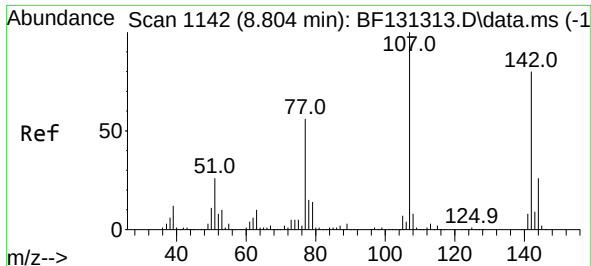
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#35
Caprolactam
Concen: 3.704 ng
RT: 8.645 min Scan# 1115
Delta R.T. -0.059 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:113 Resp: 5705
Ion Ratio Lower Upper
113 100
55 209.9 214.5 254.5#
56 159.4 159.4 199.4





#36

4-Chloro-3-methylphenol

Concen: 3.316 ng

RT: 8.786 min Scan# 1119

Delta R.T. -0.018 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

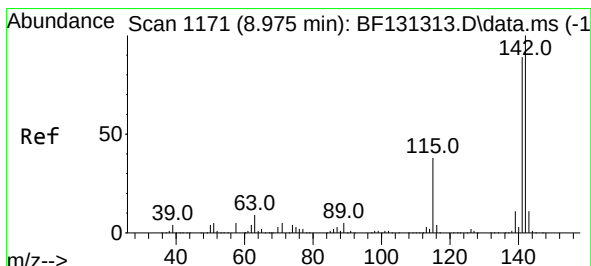
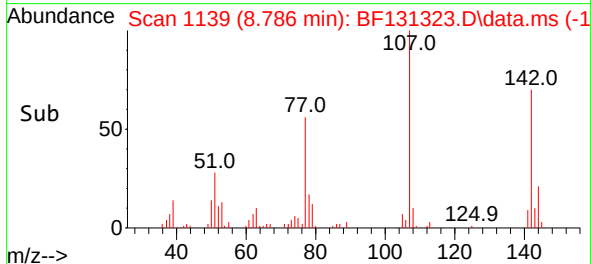
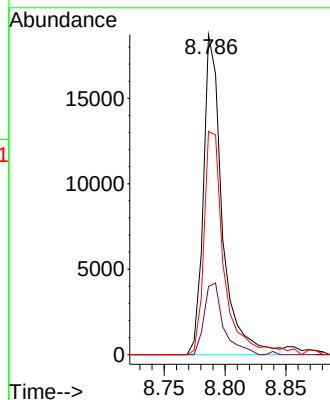
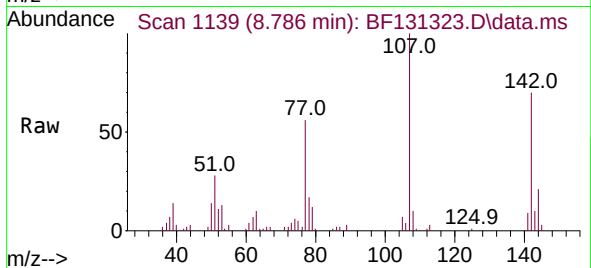
Tgt Ion:	107	Resp:	20194
Ion Ratio	Lower	Upper	
107	100		
144	21.3	20.9	31.3
142	69.8	63.9	95.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#37

2-Methylnaphthalene

Concen: 3.613 ng

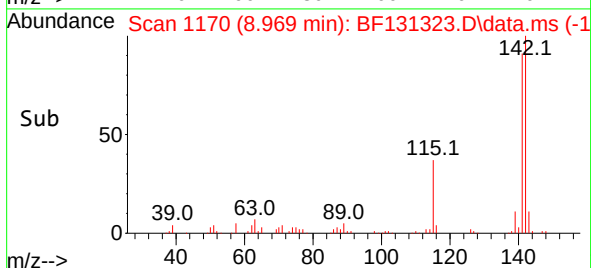
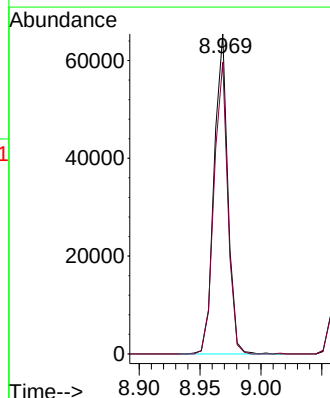
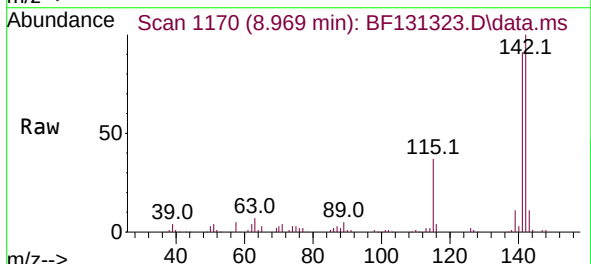
RT: 8.969 min Scan# 1170

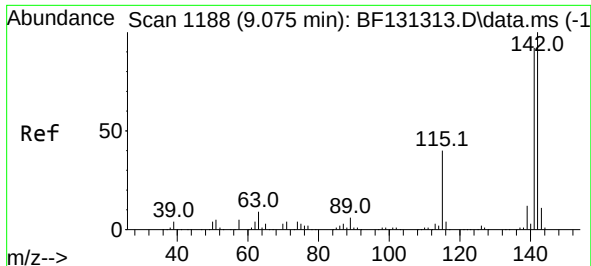
Delta R.T. -0.006 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Tgt Ion:	142	Resp:	51378
Ion Ratio	Lower	Upper	
142	100		
141	91.2	71.0	106.4





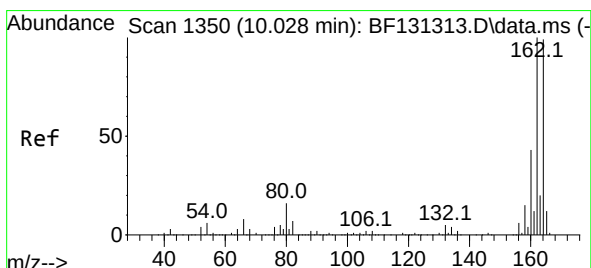
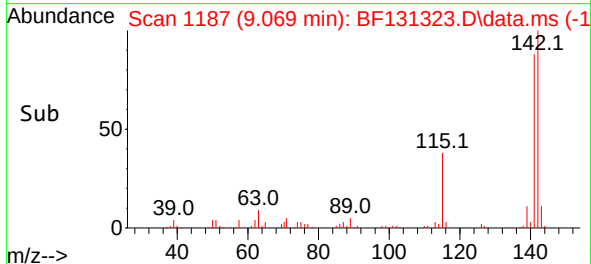
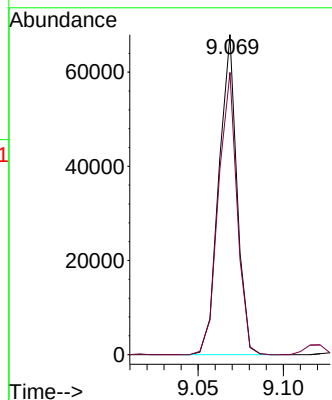
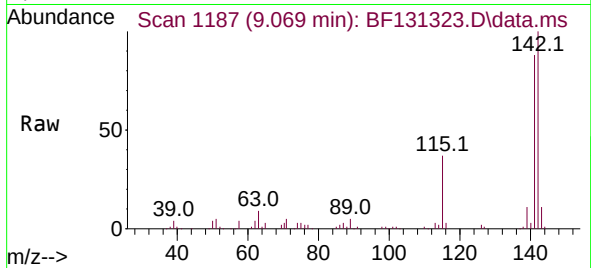
#38
1-Methylnaphthalene
Concen: 3.617 ng
RT: 9.069 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:142 Resp: 49879
Ion Ratio Lower Upper
142 100
141 88.2 73.4 110.0

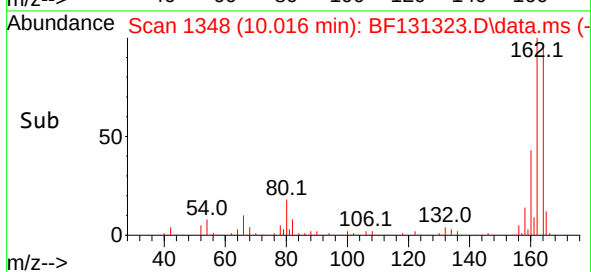
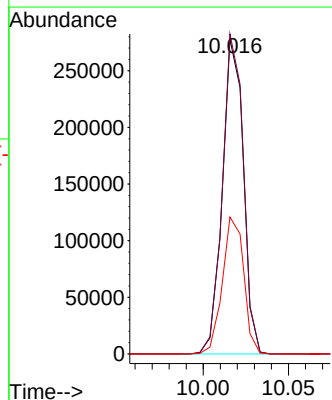
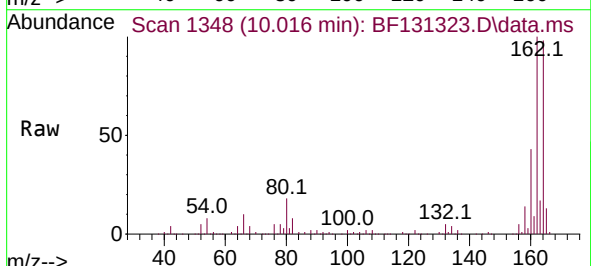
Manual Integrations
APPROVED

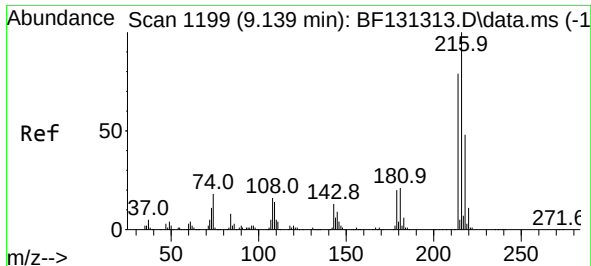
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

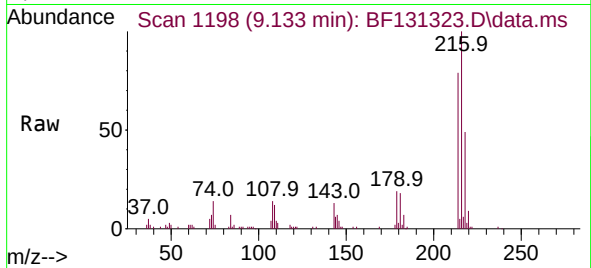
Tgt Ion:164 Resp: 237577
Ion Ratio Lower Upper
164 100
162 101.7 80.6 120.8
160 43.5 34.4 51.6





#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.620 ng
RT: 9.133 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

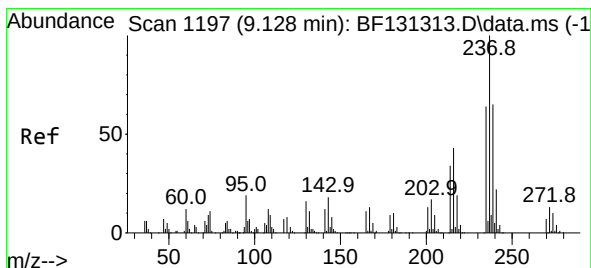
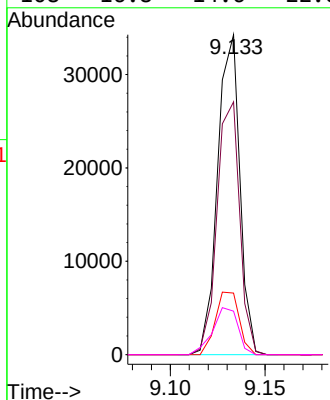
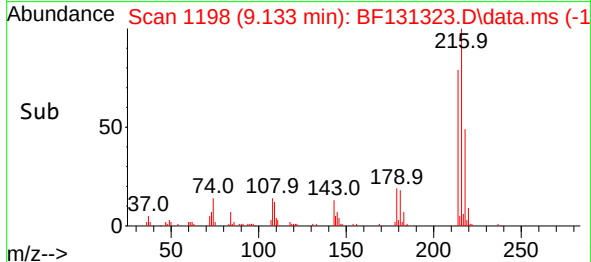
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:216 Resp: 2790
Ion Ratio Lower Upper
216 100
214 80.7 63.1 94.7
179 21.0 16.2 24.4
108 16.8 14.6 22.0

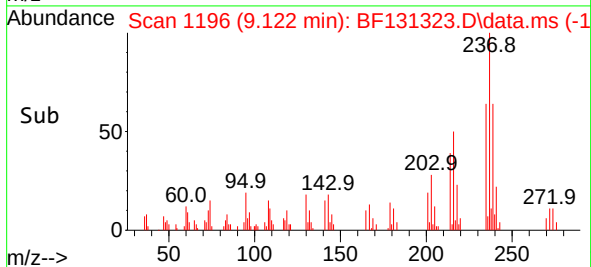
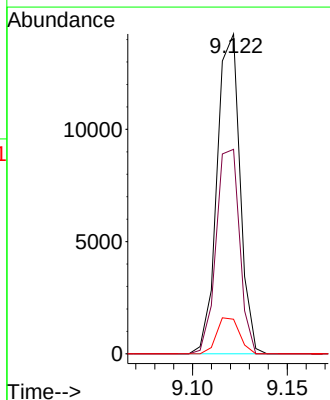
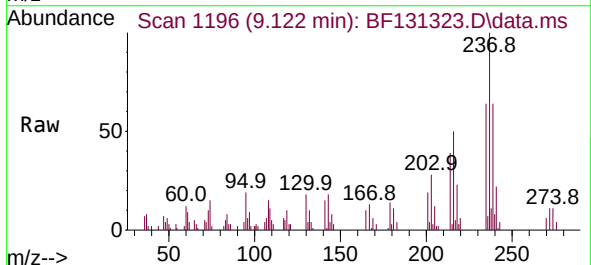
Manual Integrations
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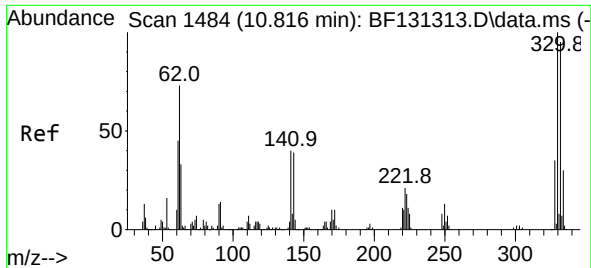
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#41
Hexachlorocyclopentadiene
Concen: 3.477 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

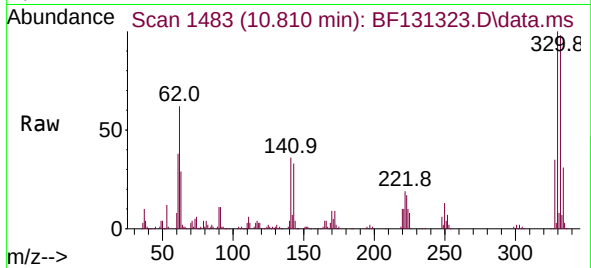
Tgt Ion:237 Resp: 12051
Ion Ratio Lower Upper
237 100
235 63.9 44.2 84.2
272 10.8 0.0 33.4





#42
2,4,6-Tribromophenol
Concen: 107.540 ng
RT: 10.810 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

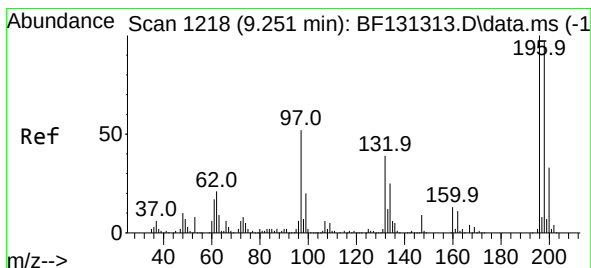
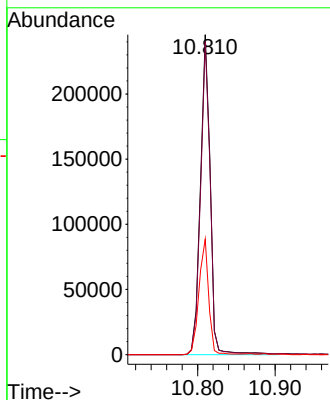
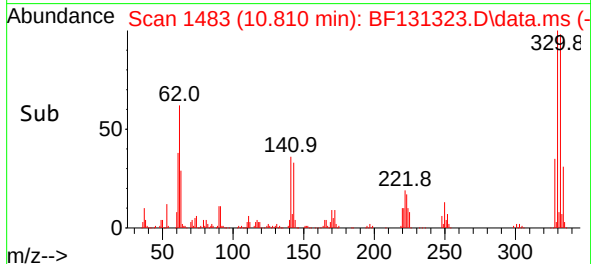
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



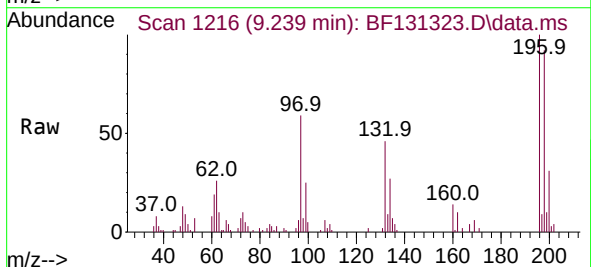
Tgt Ion: 330 Resp: 214946
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 35.9 29.3 43.9

Manual Integrations
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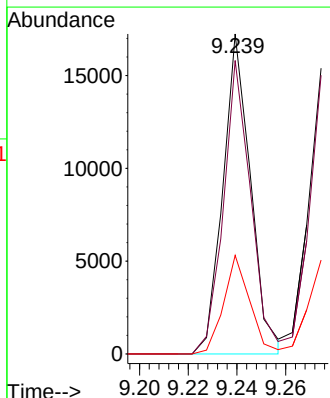
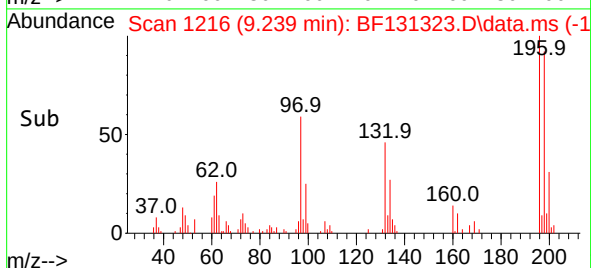
Reviewed By : Christian Giraldo 11/23/2022
Supervised By : Jagrut Upadhyay 11/23/2022

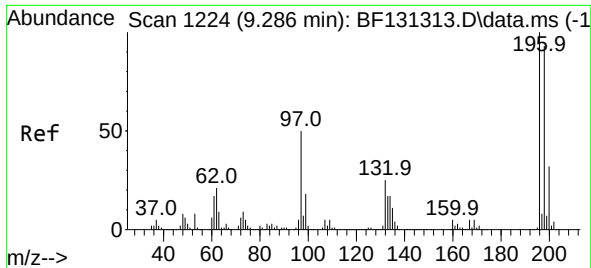


#43
2,4,6-Trichlorophenol
Concen: 3.106 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



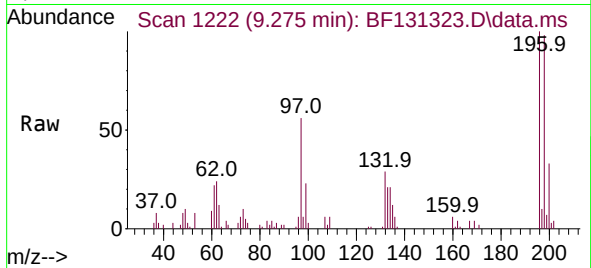
Tgt Ion: 196 Resp: 13584
Ion Ratio Lower Upper
196 100
198 91.7 77.4 116.0
200 30.8 26.3 39.5





#44
2,4,5-Trichlorophenol
Concen: 3.275 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

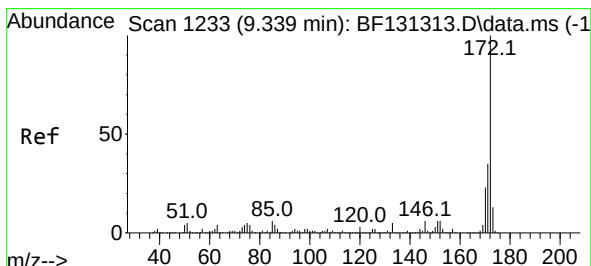
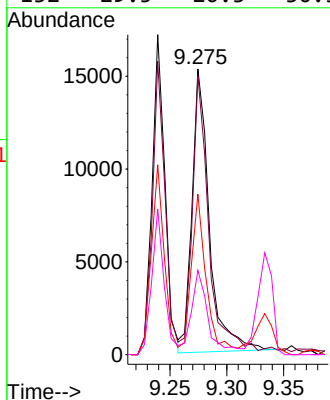
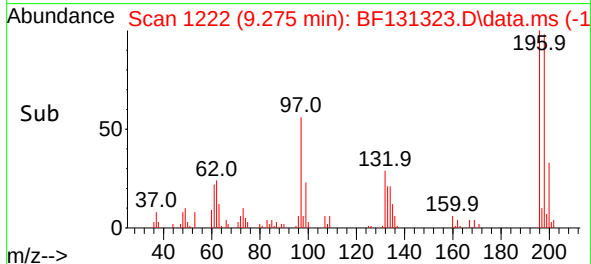
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:196 Resp: 16109
Ion Ratio Lower Upper
196 100
198 97.5 75.0 112.4
97 56.1 40.3 60.5
132 29.5 20.3 30.5

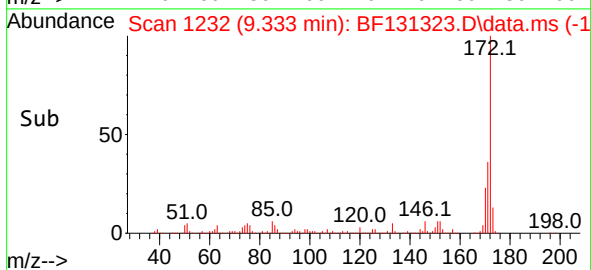
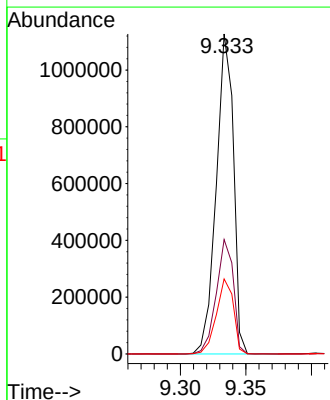
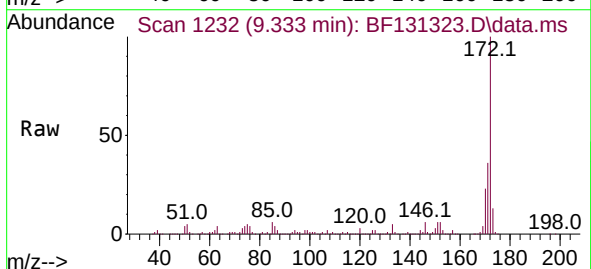
Manual Integrations
APPROVED

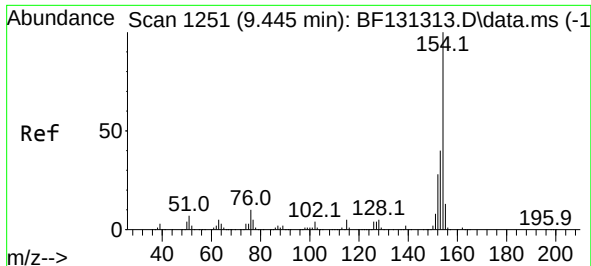
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#45
2-Fluorobiphenyl
Concen: 63.140 ng
RT: 9.333 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

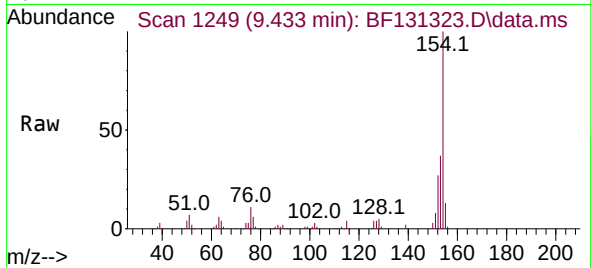
Tgt Ion:172 Resp: 1031102
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.4 18.7 28.1





#46
1,1'-Biphenyl
Concen: 3.862 ng
RT: 9.433 min Scan# 1249
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

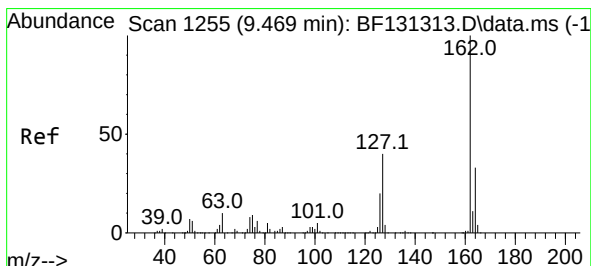
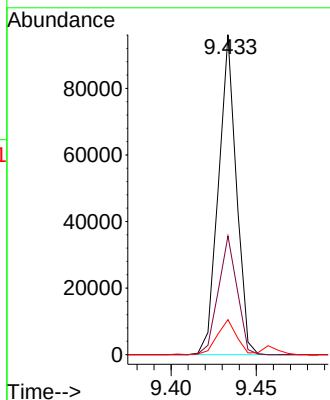
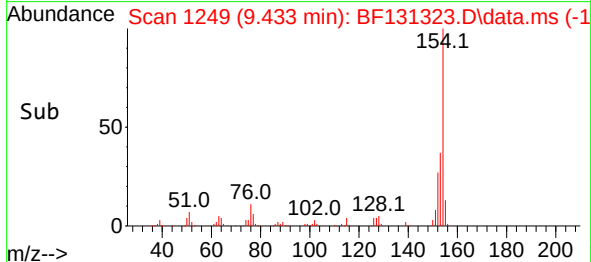
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



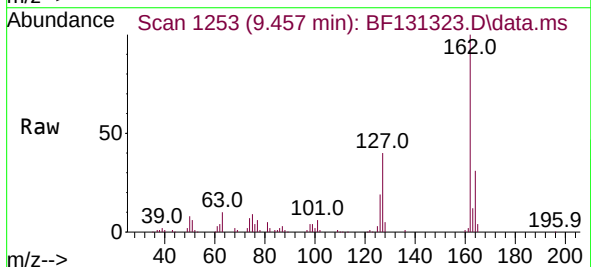
Tgt Ion:154 Resp: 70021
Ion Ratio Lower Upper
154 100
153 37.1 19.8 59.8
76 10.9 0.0 30.2

Manual Integrations
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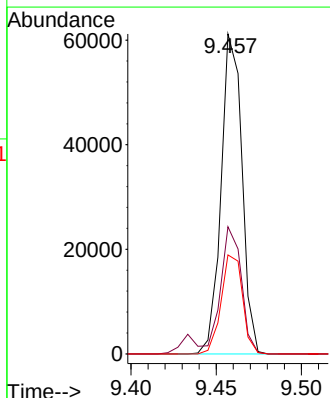
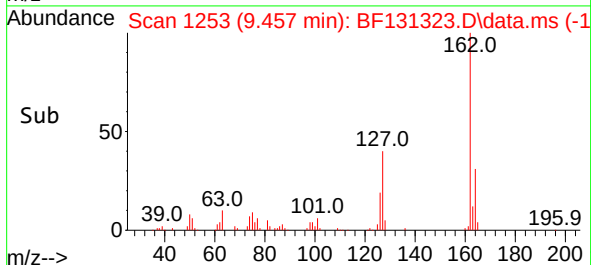
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

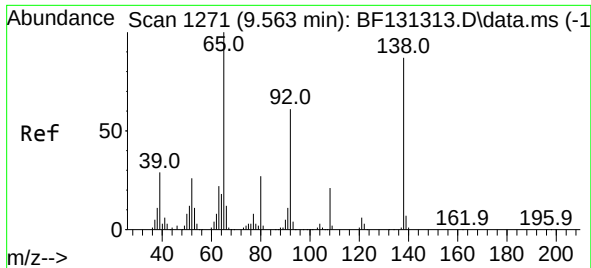


#47
2-Chloronaphthalene
Concen: 3.581 ng
RT: 9.457 min Scan# 1253
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



Tgt Ion:162 Resp: 52087
Ion Ratio Lower Upper
162 100
127 39.7 32.1 48.1
164 30.9 26.6 39.8





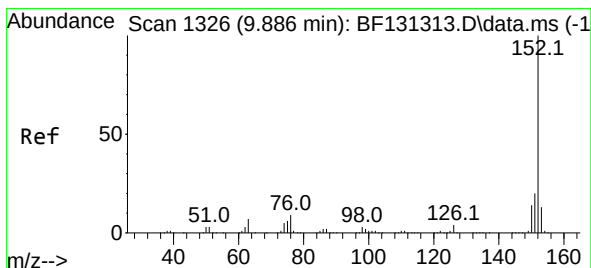
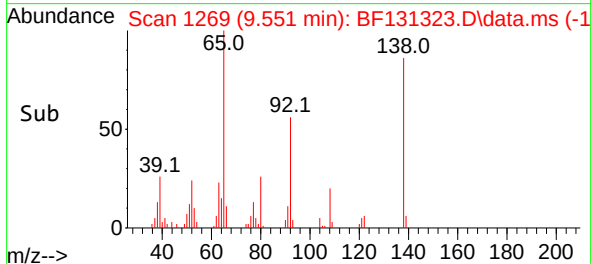
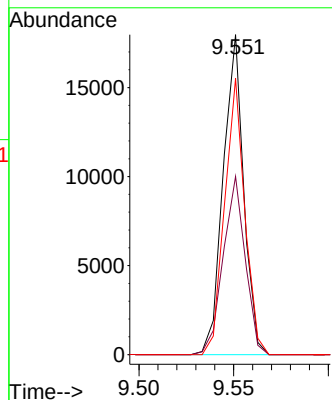
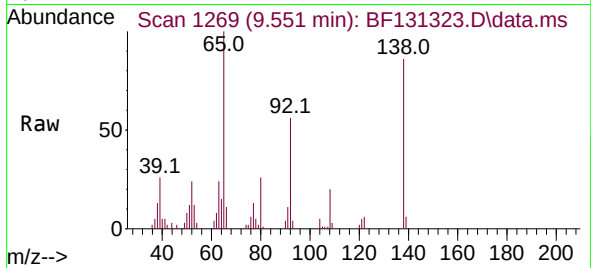
#48
2-Nitroaniline
Concen: 3.060 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 65 Resp: 13514
Ion Ratio Lower Upper
65 100
92 55.7 49.0 73.4
138 86.3 69.4 104.2

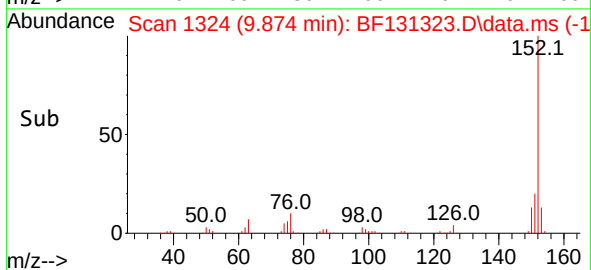
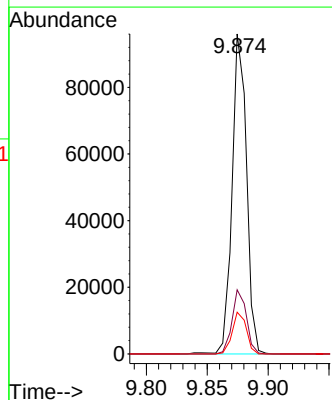
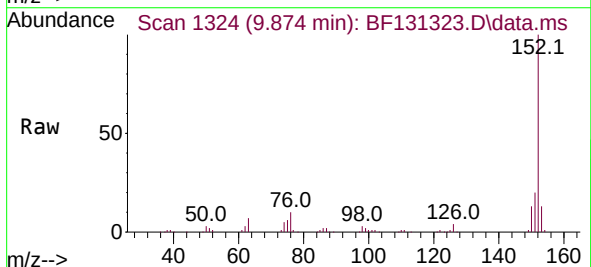
Manual Integrations
APPROVED

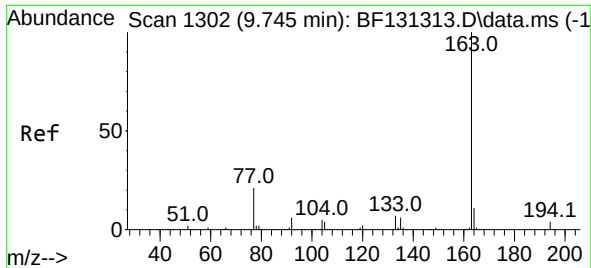
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#49
Acenaphthylene
Concen: 3.578 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

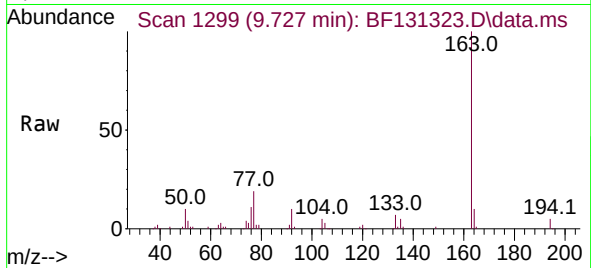
Tgt Ion:152 Resp: 79325
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.4
153 13.0 10.6 15.8





#50
Dimethylphthalate
Concen: 3.666 ng
RT: 9.727 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

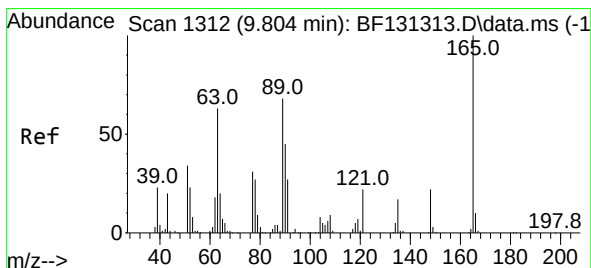
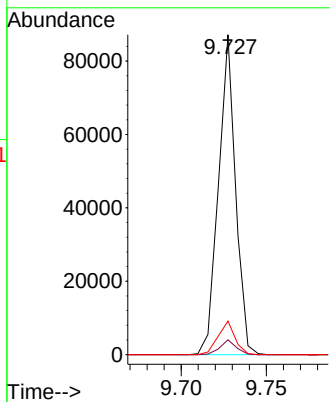
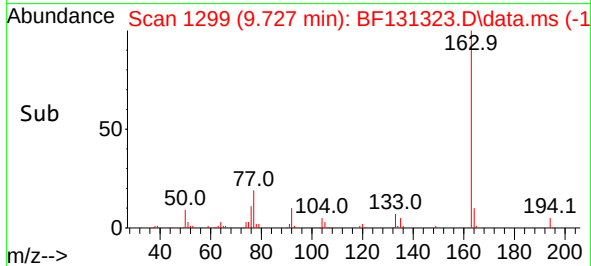
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:163 Resp: 60690
Ion Ratio Lower Upper
163 100
194 4.6 3.1 4.7
164 10.5 8.5 12.7

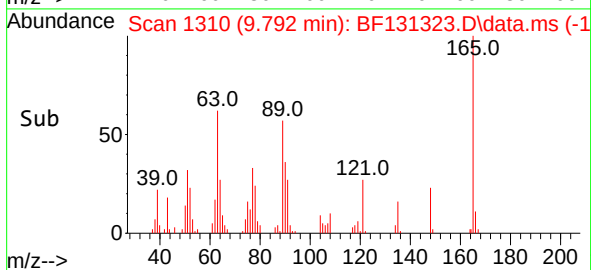
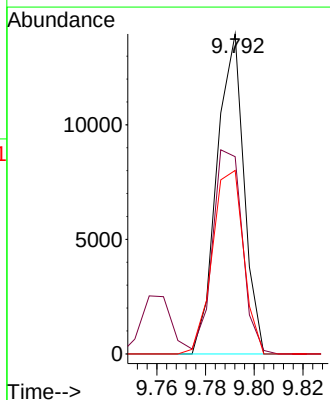
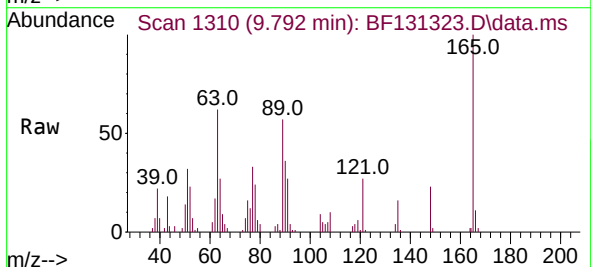
Manual Integrations
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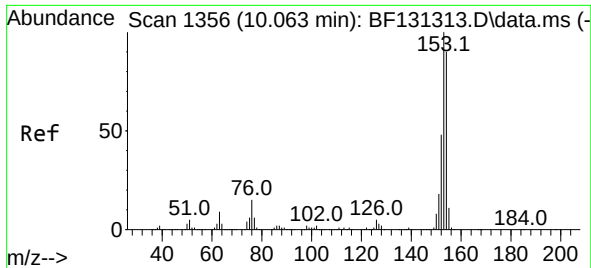
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#51
2,6-Dinitrotoluene
Concen: 3.260 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

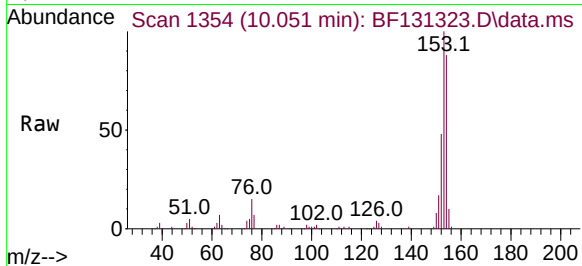
Tgt Ion:165 Resp: 10792
Ion Ratio Lower Upper
165 100
63 61.6 62.0 93.0#
89 57.3 54.4 81.6





#52
Acenaphthene
Concen: 3.488 ng
RT: 10.051 min Scan# 1356
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

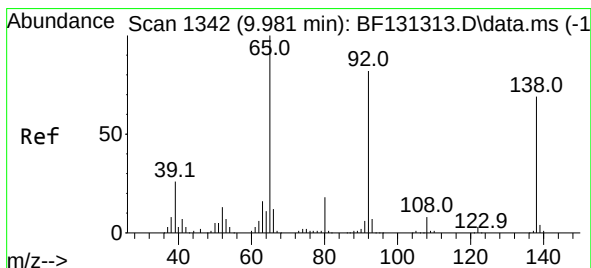
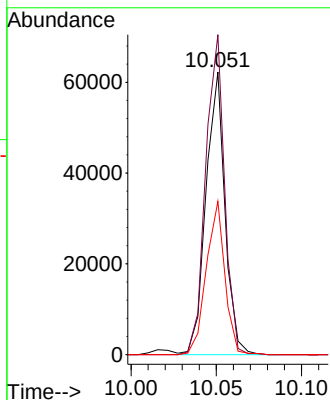
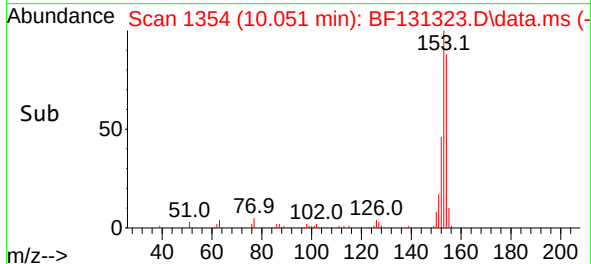
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2022



Tgt Ion:154 Resp: 48422
Ion Ratio Lower Upper
154 100
153 113.2 88.4 132.6
152 54.2 42.8 64.2

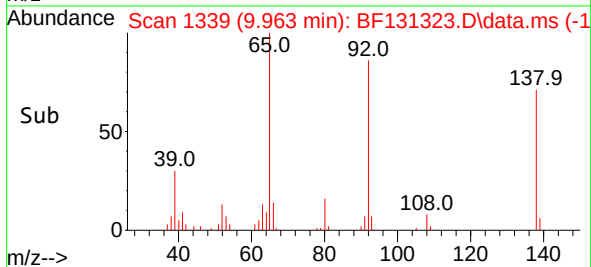
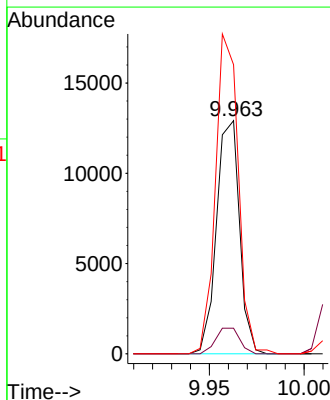
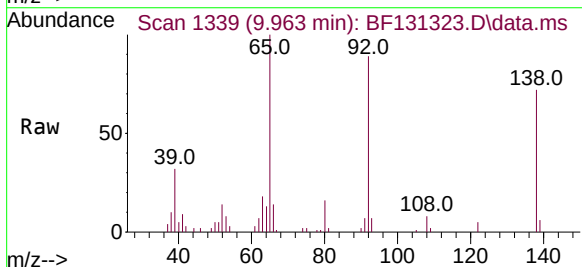
Manual Integrations
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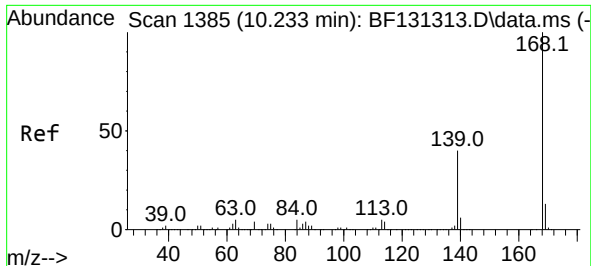
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#53
3-Nitroaniline
Concen: 3.206 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

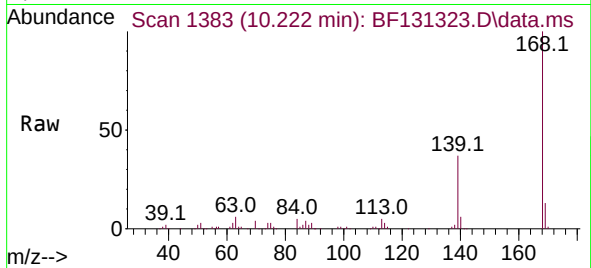
Tgt Ion:138 Resp: 10904
Ion Ratio Lower Upper
138 100
108 11.0 8.9 13.3
92 124.0 95.3 142.9





#55
Dibenzenofuran
Concen: 3.677 ng
RT: 10.222 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

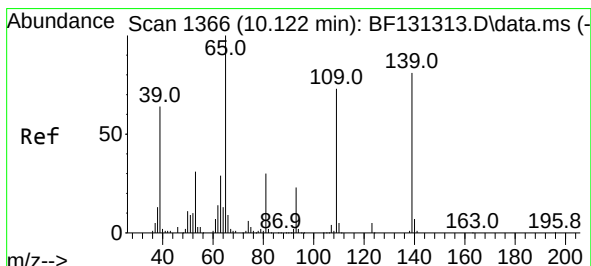
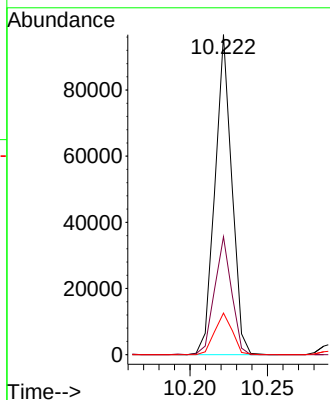
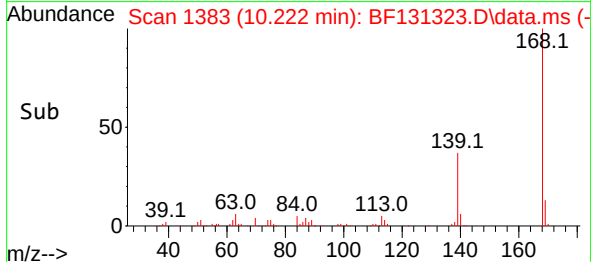
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2022



Tgt Ion:168 Resp: 73442
Ion Ratio Lower Upper
168 100
139 36.8 31.7 47.5
169 13.0 10.6 15.8

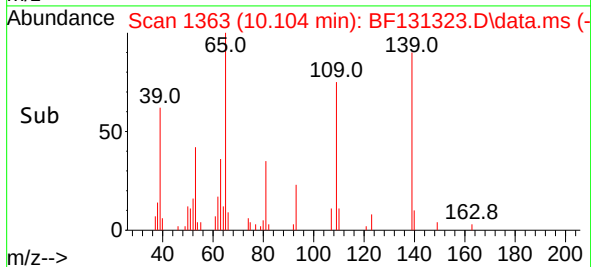
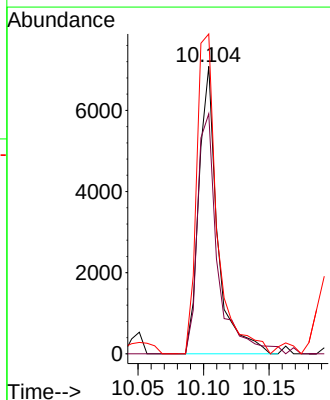
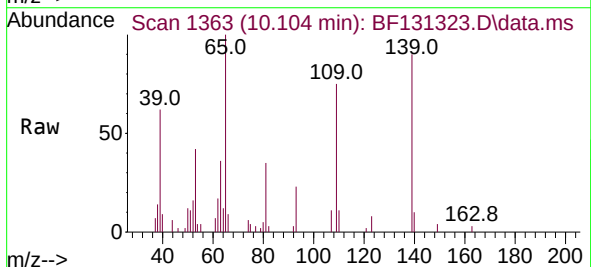
Manual Integrations
APPROVED

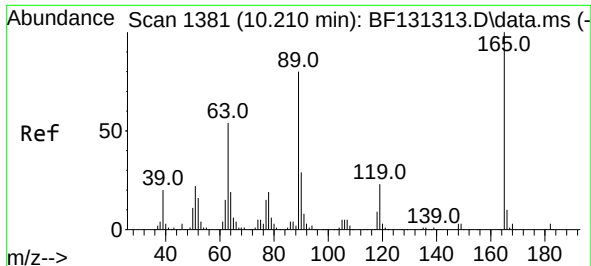
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#56
4-Nitrophenol
Concen: 2.958 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

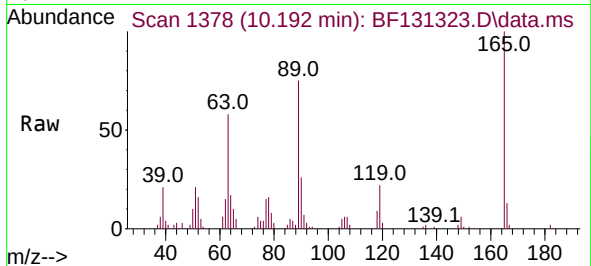
Tgt Ion:139 Resp: 6984
Ion Ratio Lower Upper
139 100
109 83.5 69.6 109.6
65 111.3 103.4 143.4





#57
2,4-Dinitrotoluene
Concen: 3.138 ng
RT: 10.192 min Scan# 1381
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

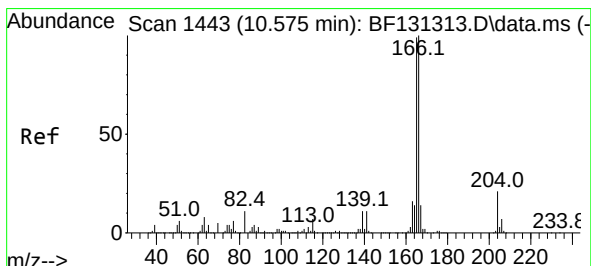
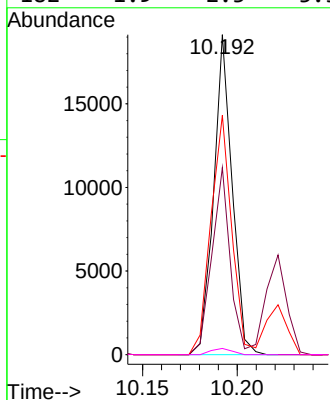
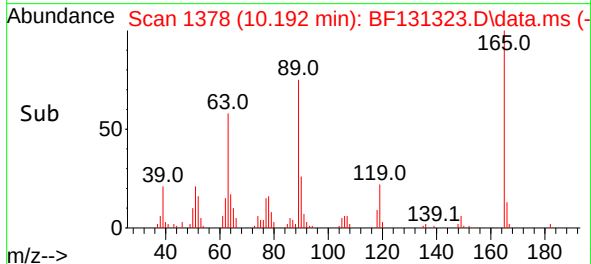
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



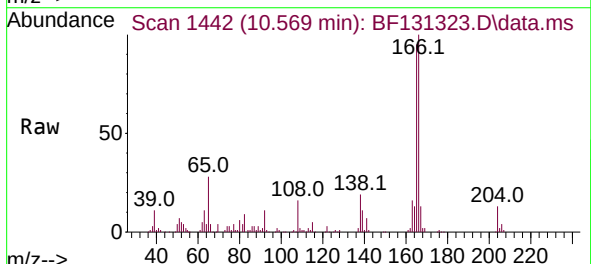
Tgt Ion:165 Resp: 13072
Ion Ratio Lower Upper
165 100
63 58.4 43.4 65.2
89 74.8 64.0 96.0
182 1.9 2.3 3.5#

Manual Integrations
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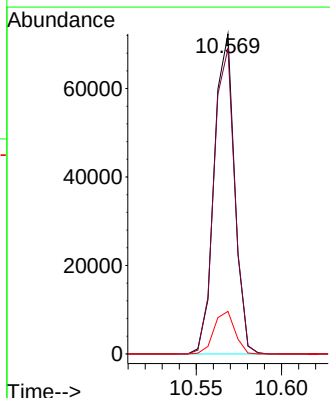
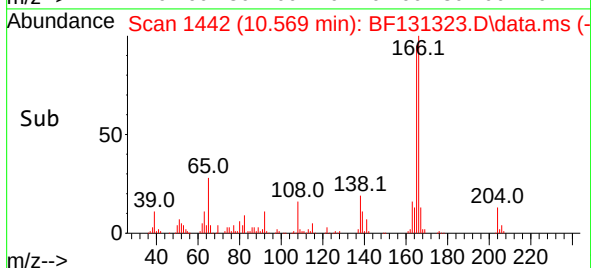
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

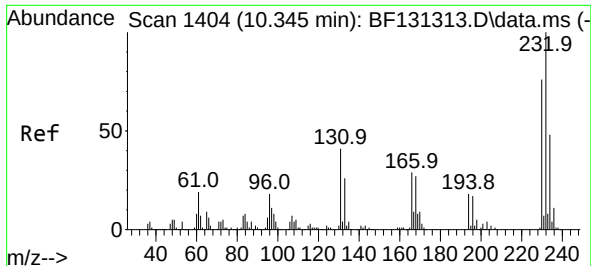


#58
Fluorene
Concen: 3.848 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



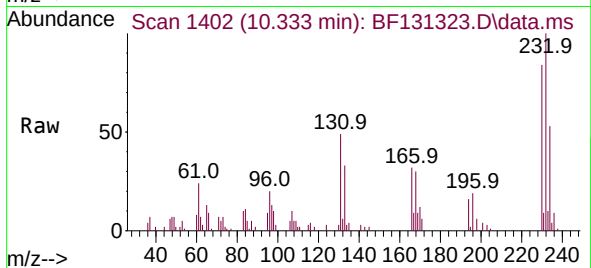
Tgt Ion:166 Resp: 59980
Ion Ratio Lower Upper
166 100
165 95.4 79.0 118.4
167 13.3 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.327 ng
RT: 10.333 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

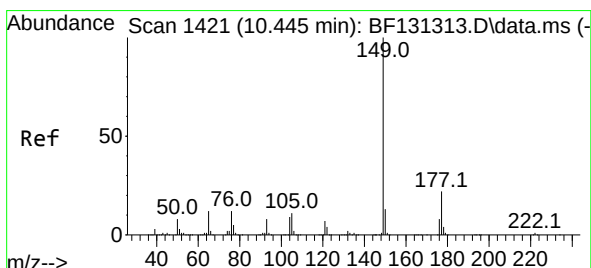
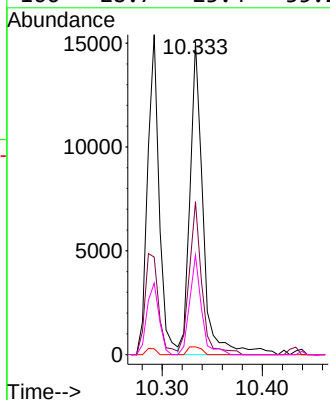
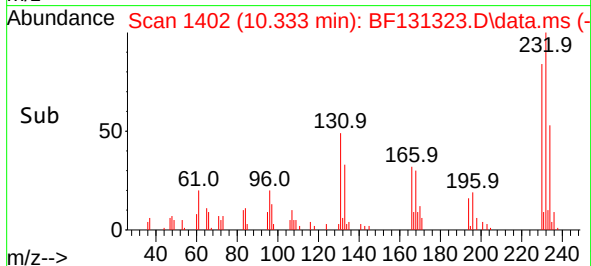
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:232 Resp: 13625
Ion Ratio Lower Upper
232 100
131 46.6 35.2 52.8
130 2.6 1.8 2.8
166 28.7 23.4 35.2

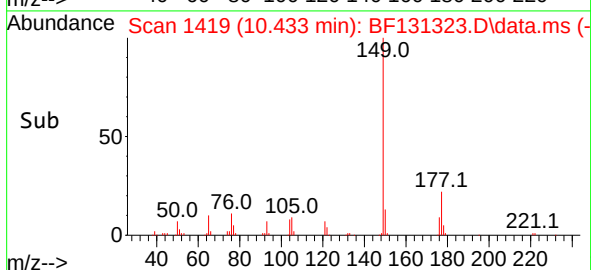
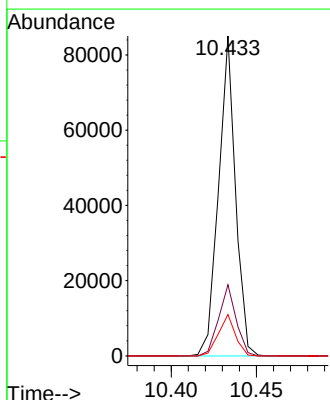
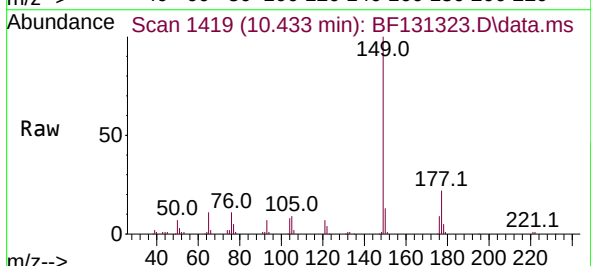
Manual Integrations
APPROVED

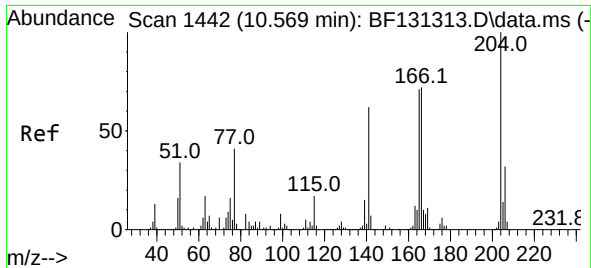
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#60
Diethylphthalate
Concen: 3.752 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

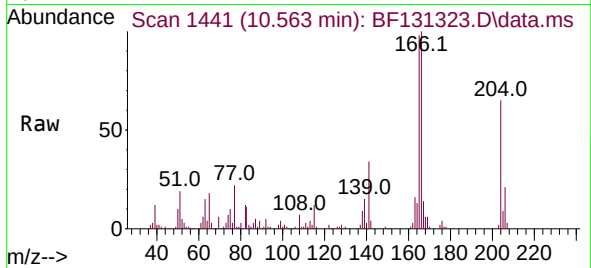
Tgt Ion:149 Resp: 58642
Ion Ratio Lower Upper
149 100
177 22.2 17.6 26.4
150 12.9 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 4.058 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

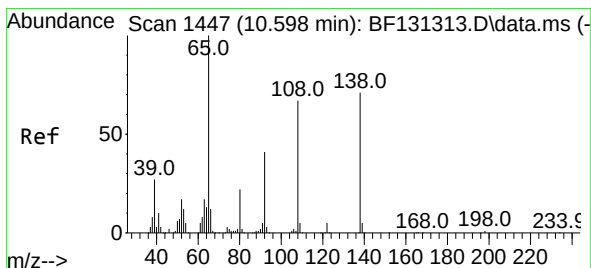
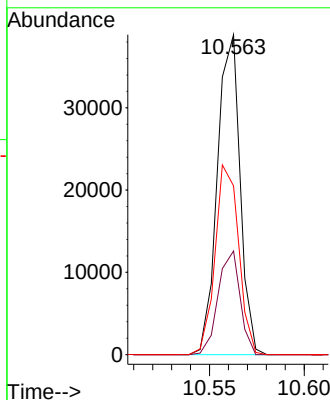
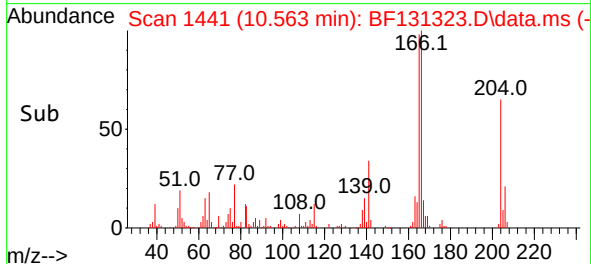
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



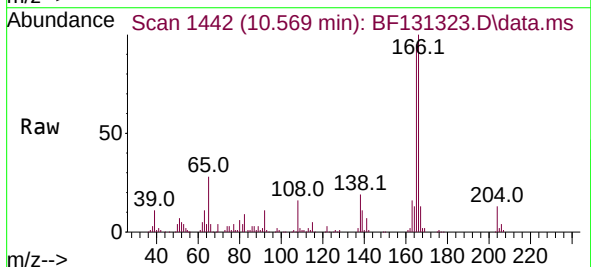
Tgt Ion:204 Resp: 32428
Ion Ratio Lower Upper
204 100
206 32.4 25.7 38.5
141 52.7 49.2 73.8

Manual Integrations
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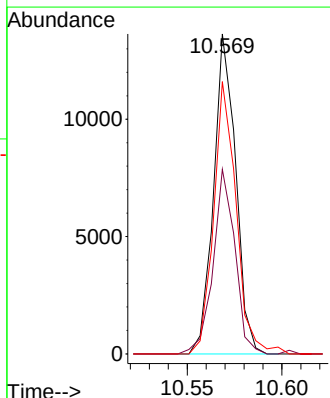
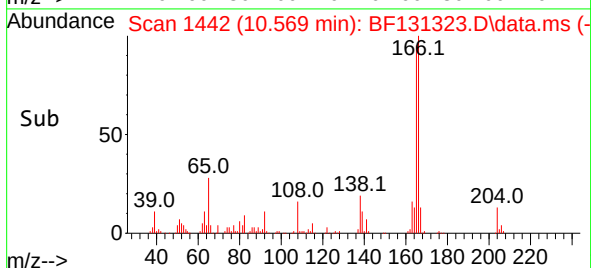
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

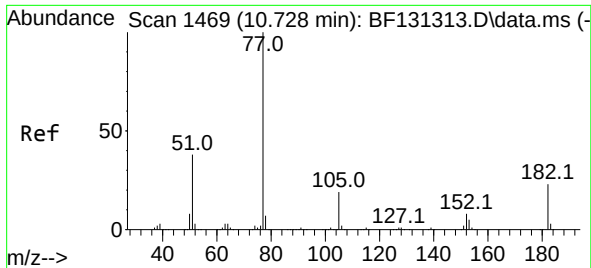


#62
4-Nitroaniline
Concen: 3.262 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.030 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



Tgt Ion:138 Resp: 11044
Ion Ratio Lower Upper
138 100
92 57.7 37.0 77.0
108 85.1 74.0 114.0





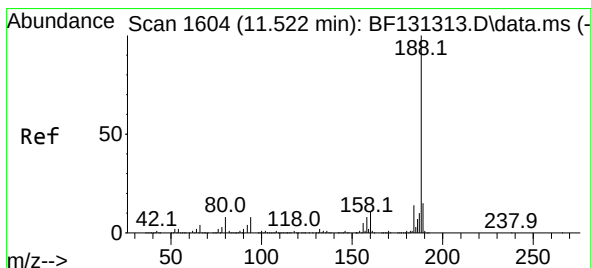
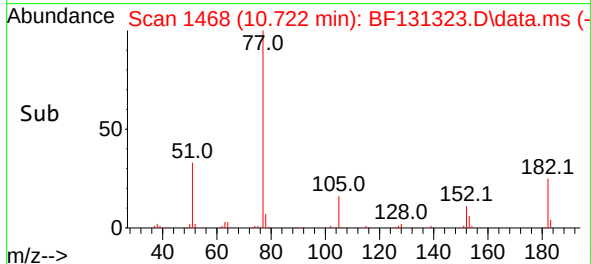
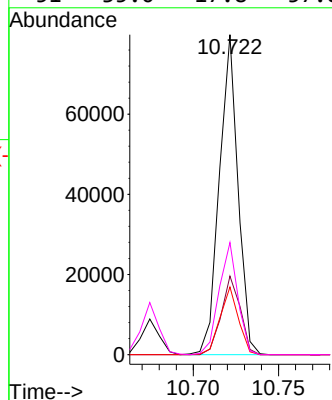
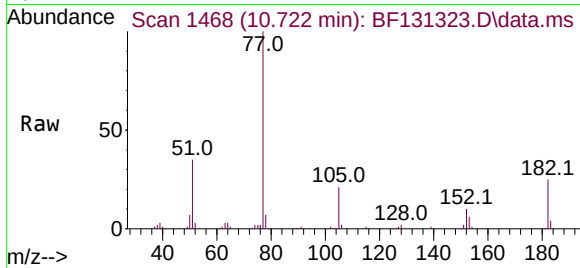
#63
Azobenzene
Concen: 3.612 ng
RT: 10.722 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2022

Tgt Ion: 77 Resp: 60699
Ion Ratio Lower Upper
77 100
182 24.5 3.1 43.1
105 21.1 0.0 39.2
51 35.0 17.8 57.8

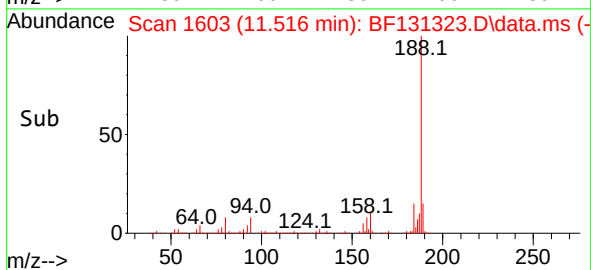
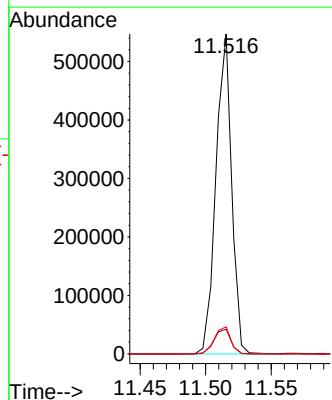
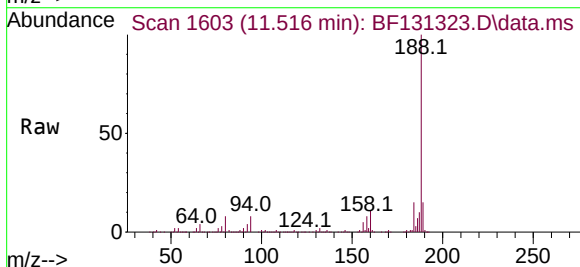
Manual Integrations
APPROVED

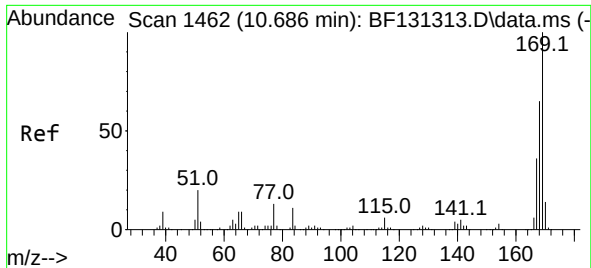
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

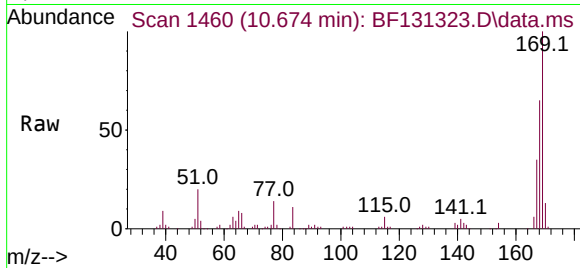
Tgt Ion:188 Resp: 456610
Ion Ratio Lower Upper
188 100
94 7.7 6.3 9.5
80 8.5 6.8 10.2





#66
n-Nitrosodiphenylamine
Concen: 3.506 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

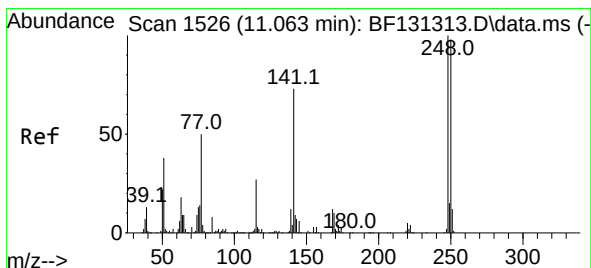
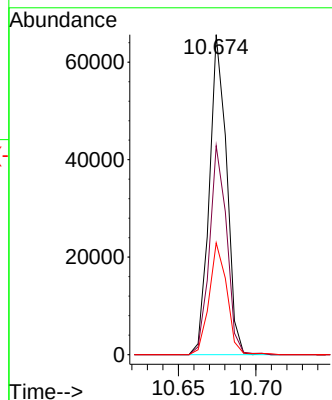
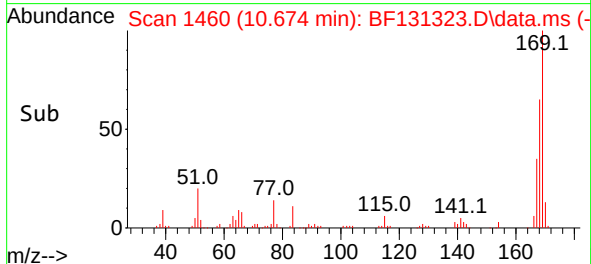
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



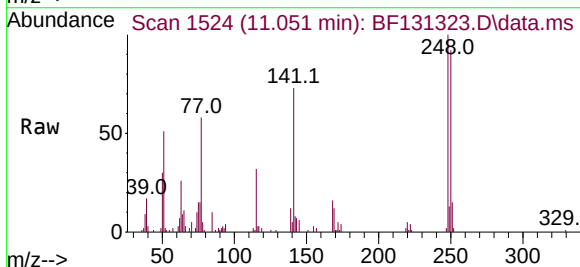
Tgt Ion:169 Resp: 51004
Ion Ratio Lower Upper
169 100
168 65.3 52.4 78.6
167 34.9 29.2 43.8

Manual Integrations
APPROVED

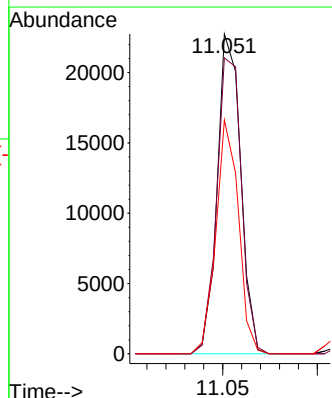
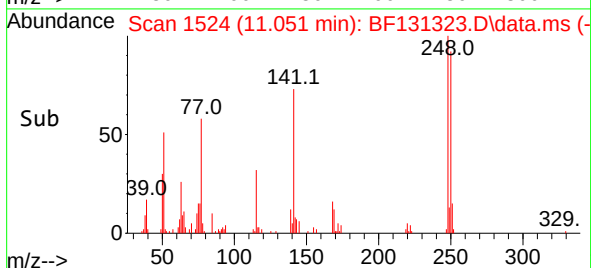
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

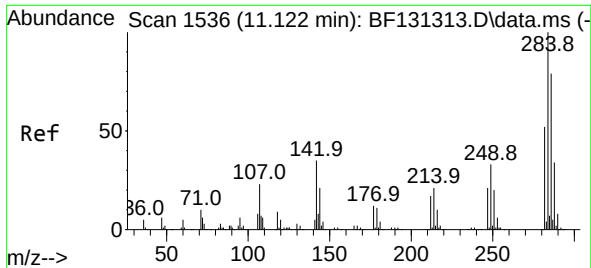


#67
4-Bromophenyl-phenylether
Concen: 3.501 ng
RT: 11.051 min Scan# 1524
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



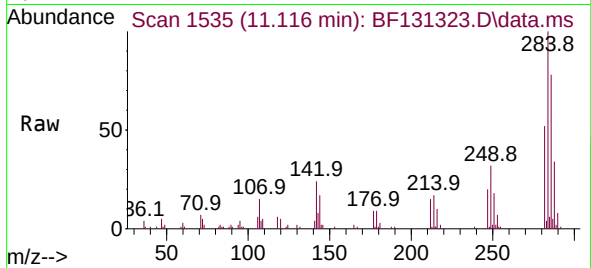
Tgt Ion:248 Resp: 19591
Ion Ratio Lower Upper
248 100
250 92.5 78.3 117.5
141 73.1 58.0 87.0





#68
Hexachlorobenzene
Concen: 3.591 ng
RT: 11.116 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

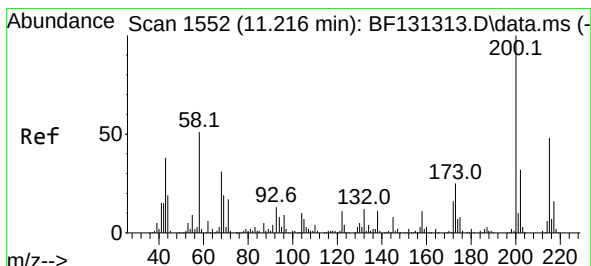
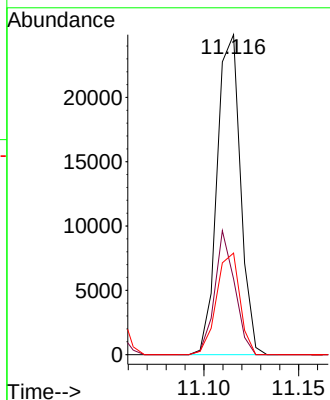
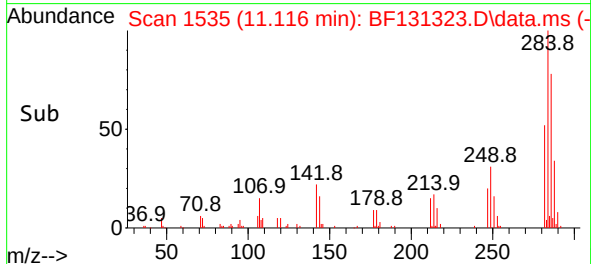
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2022



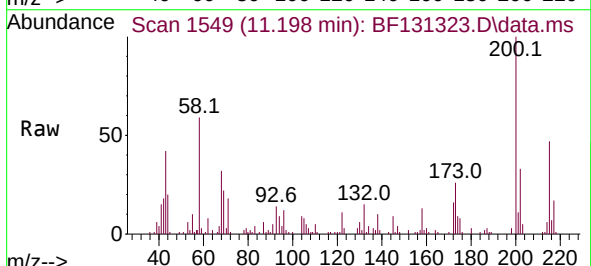
Tgt Ion:284 Resp: 21328
Ion Ratio Lower Upper
284 100
142 23.7 28.4 42.6
249 31.7 26.5 39.7

Manual Integrations
APPROVED

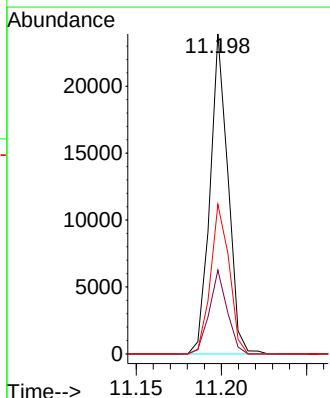
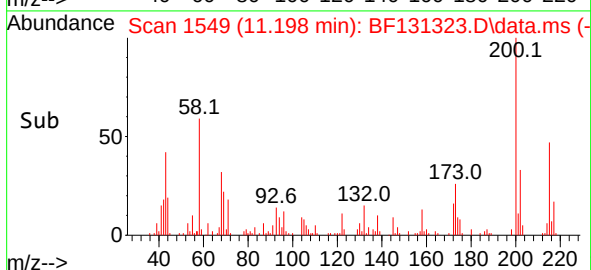
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

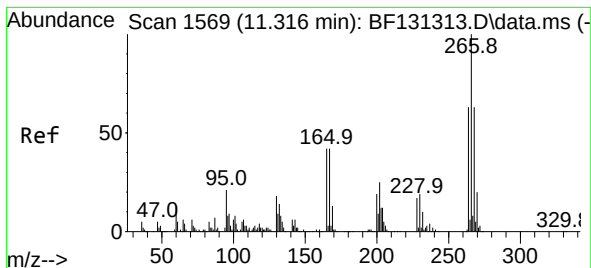


#69
Atrazine
Concen: 3.897 ng
RT: 11.198 min Scan# 1549
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



Tgt Ion:200 Resp: 17459
Ion Ratio Lower Upper
200 100
173 26.2 5.2 45.2
215 46.7 28.3 68.3





#70

Pentachlorophenol

Concen: 2.401 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

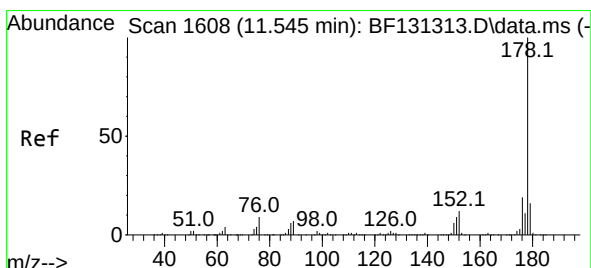
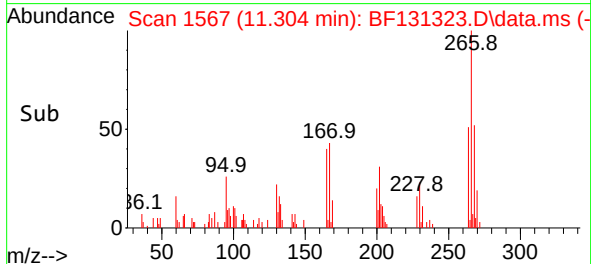
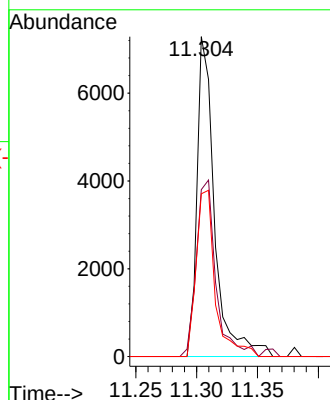
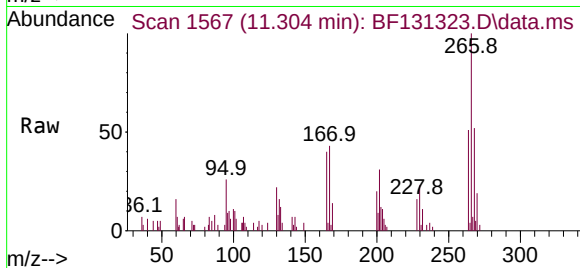
MDL-SOIL-03-QT4-2022

Tgt Ion:266	Resp:	731
Ion Ratio	Lower	Upper
266	100	
268	52.2	50.6 75.8
264	50.9	50.4 75.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#71

Phenanthrene

Concen: 3.715 ng

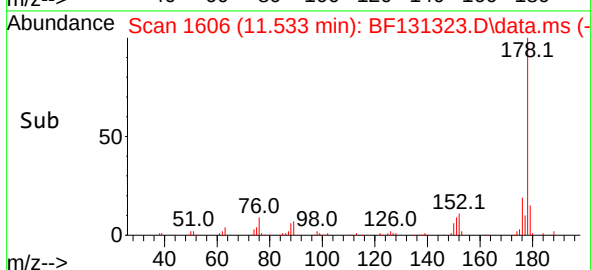
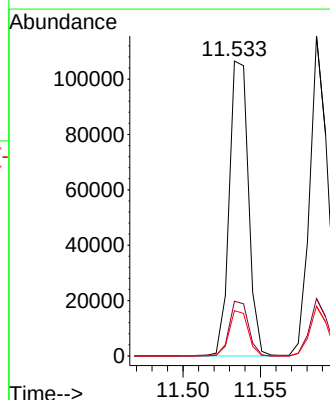
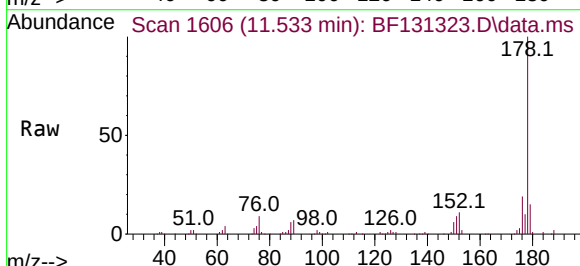
RT: 11.533 min Scan# 1606

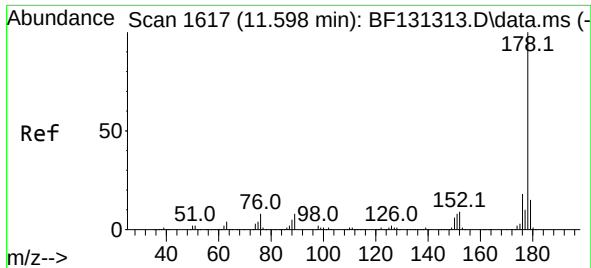
Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

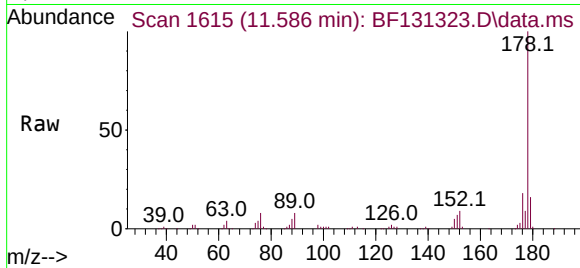
Tgt Ion:178	Resp:	91666
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.6 23.4
179	15.3	12.4 18.6





#72
 Anthracene
 Concen: 3.761 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.012 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55

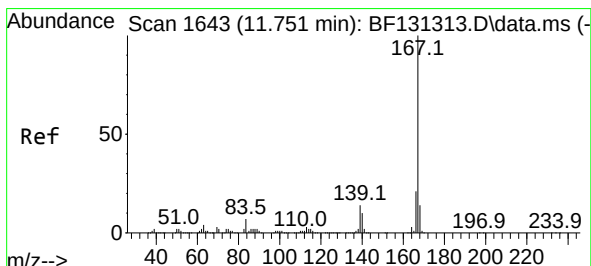
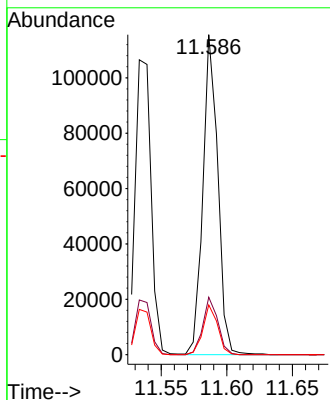
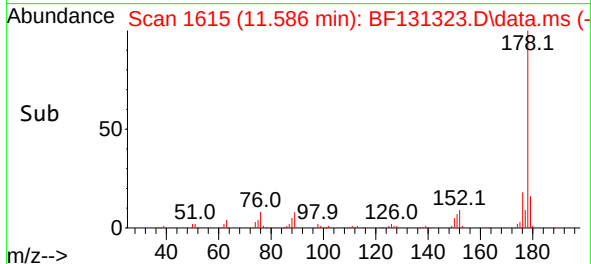
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2022



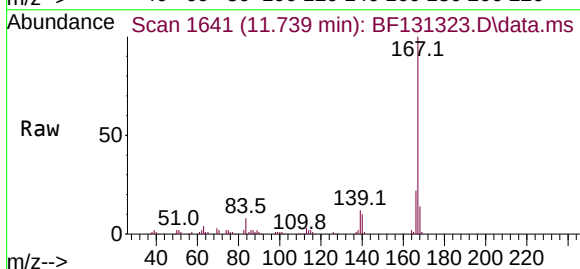
Tgt Ion:178 Resp: 91214
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.7 22.1
 179 15.5 12.2 18.4

Manual Integrations
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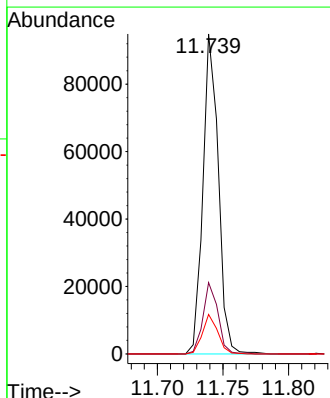
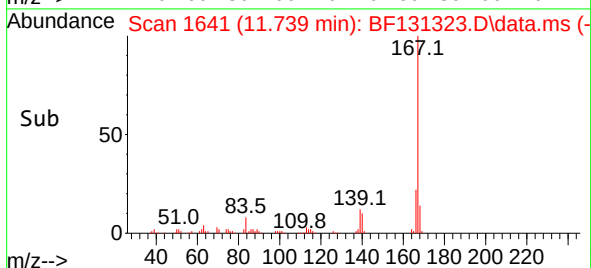
Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022

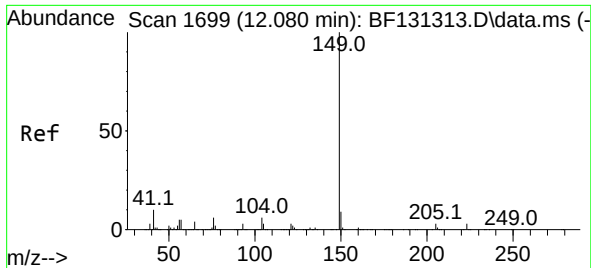


#73
 Carbazole
 Concen: 3.735 ng
 RT: 11.739 min Scan# 1641
 Delta R.T. -0.012 min
 Lab File: BF131323.D
 Acq: 22 Nov 2022 10:55



Tgt Ion:167 Resp: 77255
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.0 25.6
 139 12.4 10.8 16.2





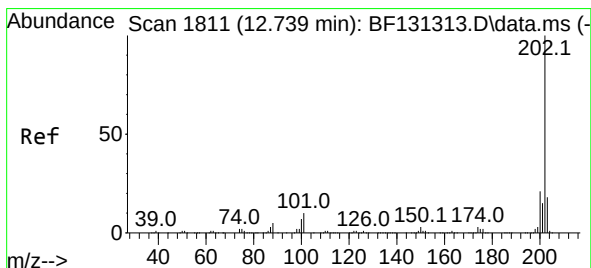
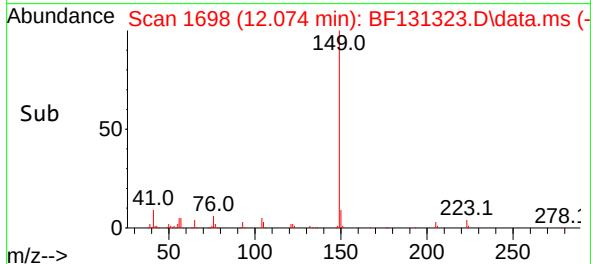
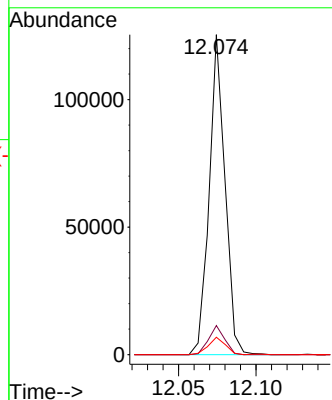
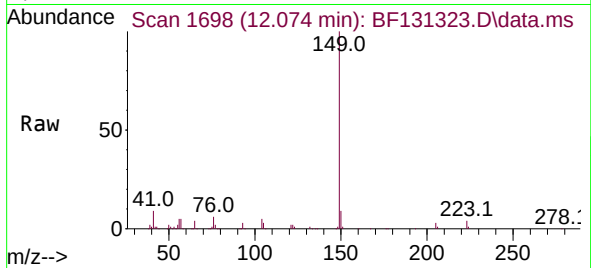
#74
Di-n-butylphthalate
Concen: 3.642 ng
RT: 12.074 min Scan# 1699
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:149 Resp: 88780
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 5.4 4.7 7.1

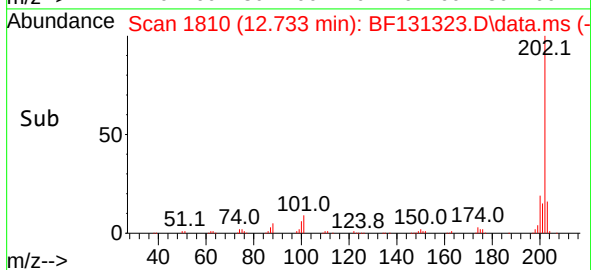
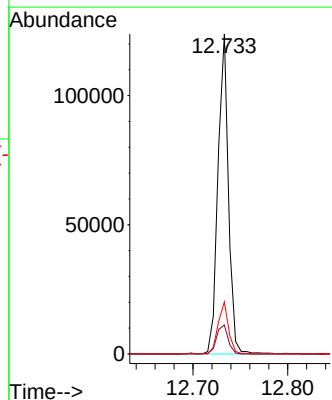
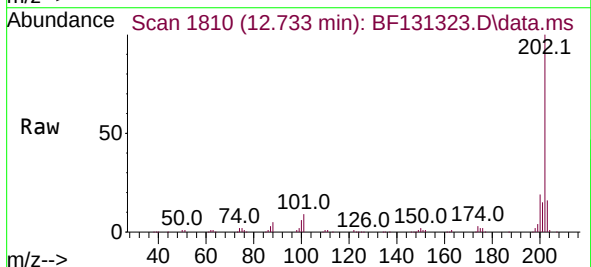
Manual Integrations
APPROVED

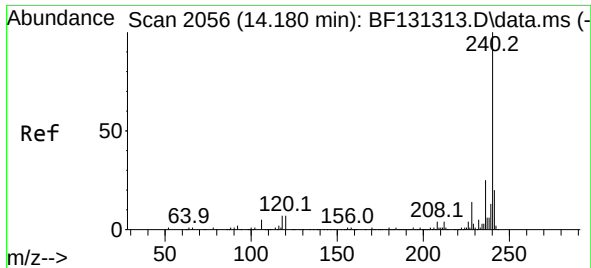
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#75
Fluoranthene
Concen: 3.662 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

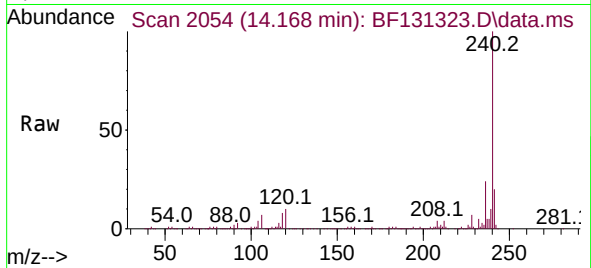
Tgt Ion:202 Resp: 95221
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.6
203 16.2 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.168 min Scan# 2054
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

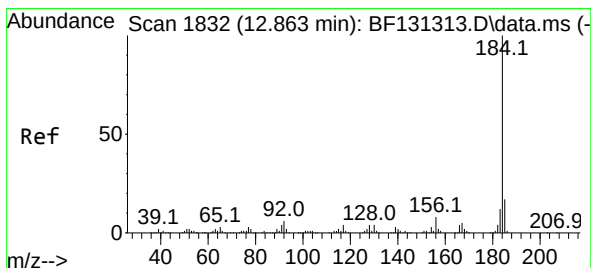
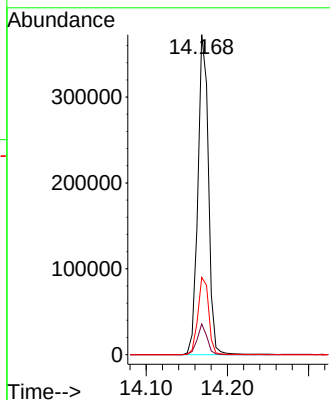
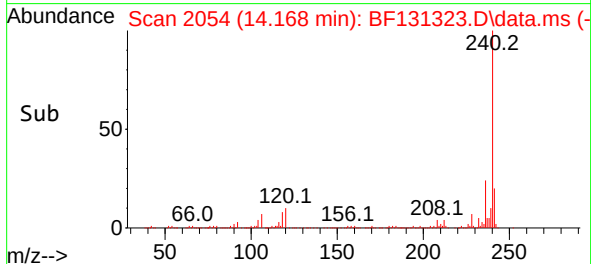
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



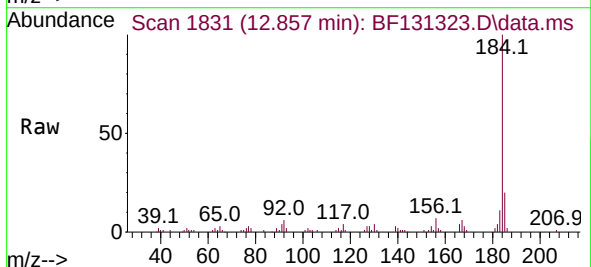
Tgt Ion:240 Resp: 335214
Ion Ratio Lower Upper
240 100
120 9.6 5.8 8.8
236 24.1 20.3 30.5

Manual Integrations
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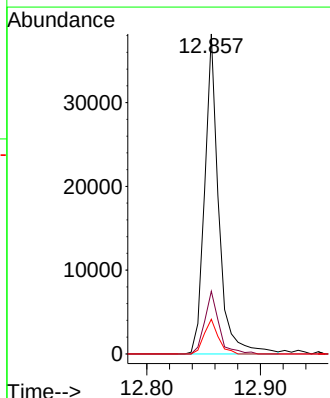
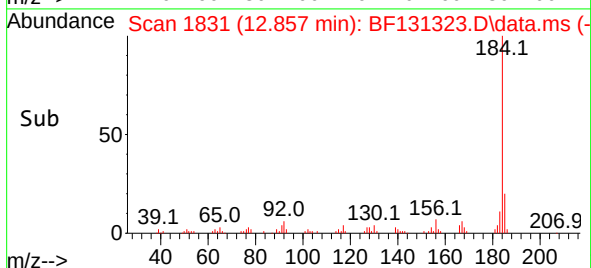
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

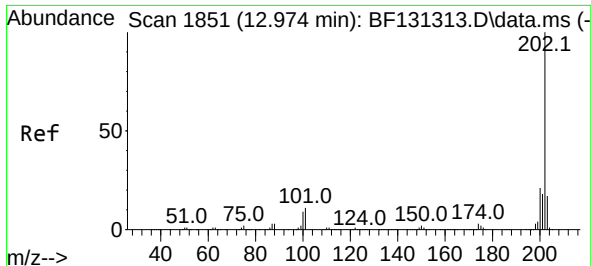


#77
Benzidine
Concen: 5.309 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



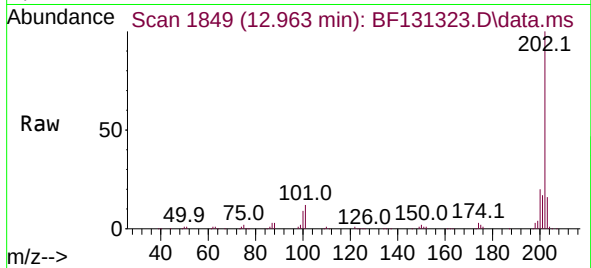
Tgt Ion:184 Resp: 32870
Ion Ratio Lower Upper
184 100
185 19.6 13.8 20.8
183 10.8 9.6 14.4





#78
Pyrene
Concen: 3.317 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

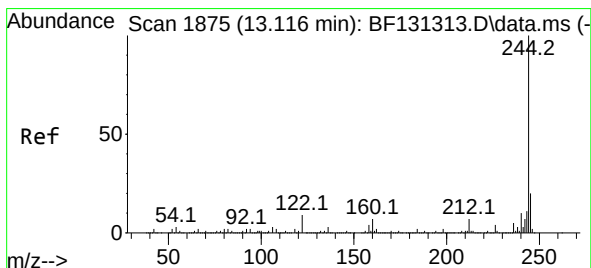
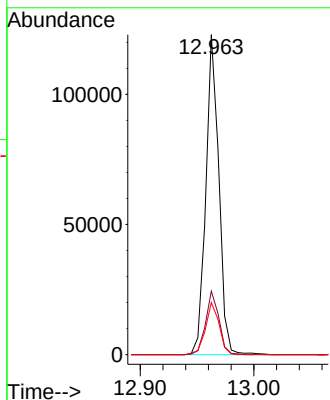
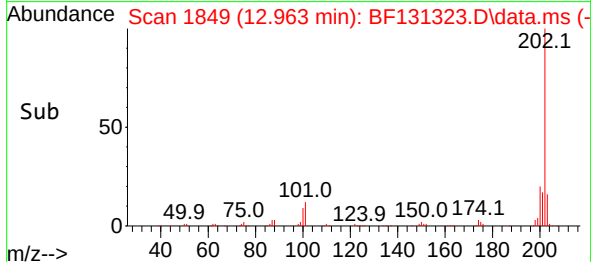
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:202 Resp: 98090
Ion Ratio Lower Upper
202 100
200 19.8 16.9 25.3
203 16.3 13.9 20.9

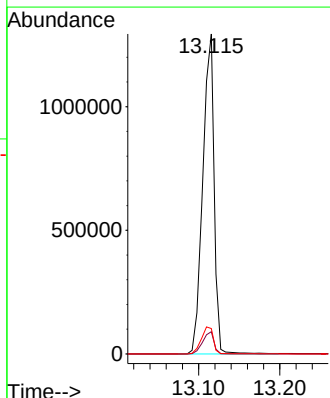
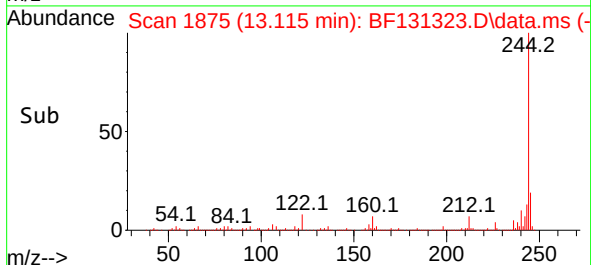
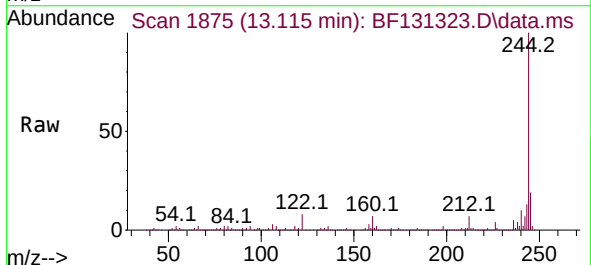
Manual Integrations
APPROVED

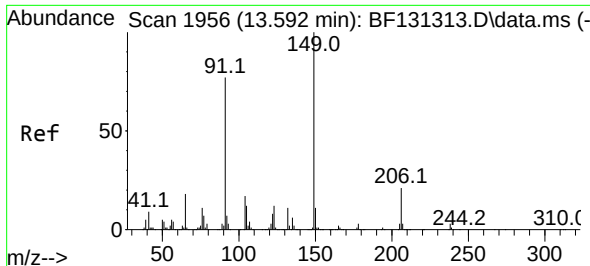
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#79
Terphenyl-d14
Concen: 61.320 ng
RT: 13.115 min Scan# 1875
Delta R.T. -0.000 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Tgt Ion:244 Resp: 1256995
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 7.9 7.5 11.3





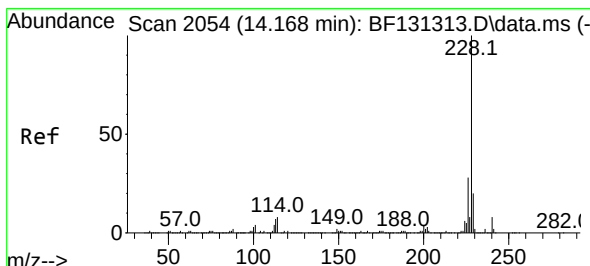
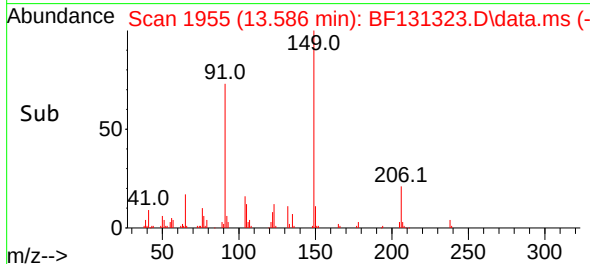
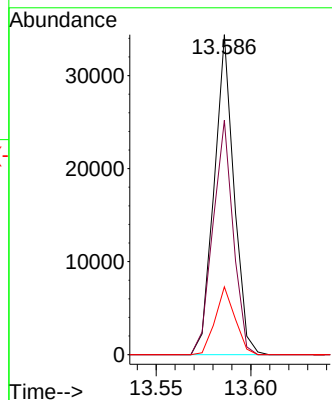
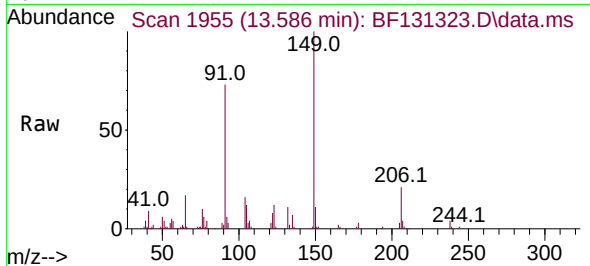
#80
Butylbenzylphthalate
Concen: 2.943 ng
RT: 13.586 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:	149	Resp:	25082
Ion Ratio	Lower	Upper	
149	100		
91	73.2	61.9	92.9
206	21.2	16.5	24.7

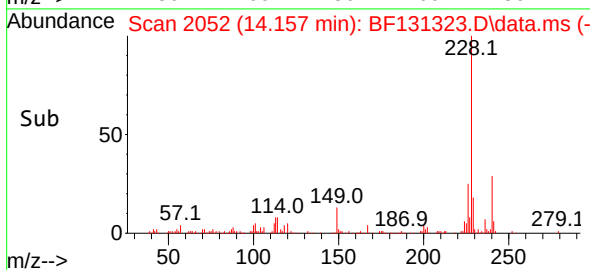
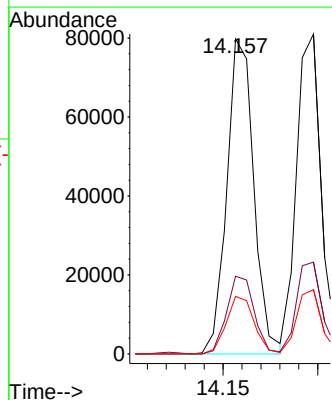
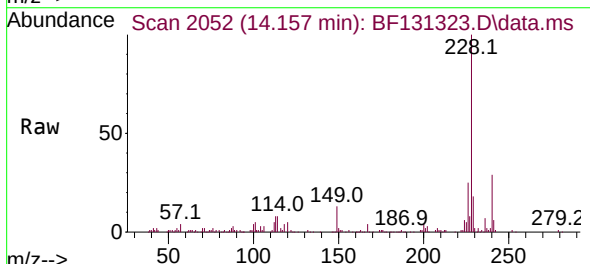
Manual Integrations
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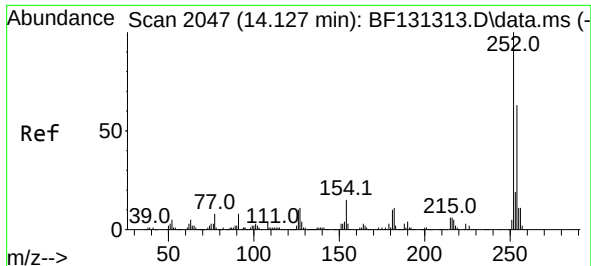
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#81
Benzo(a)anthracene
Concen: 3.444 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.011 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

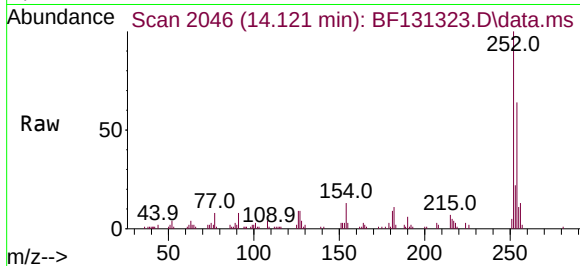
Tgt Ion:	228	Resp:	79125
Ion Ratio	Lower	Upper	
228	100		
226	24.7	22.0	33.0
229	18.2	15.7	23.5





#82
3,3'-Dichlorobenzidine
Concen: 3.314 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

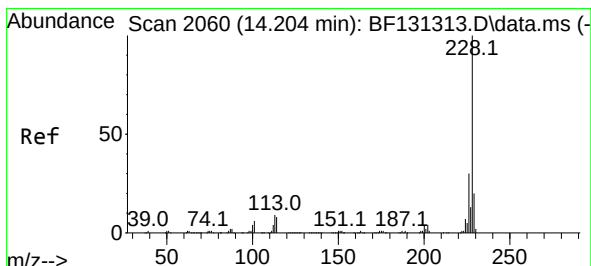
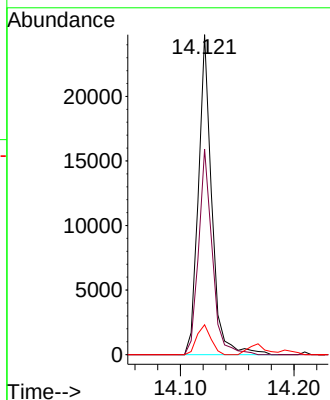
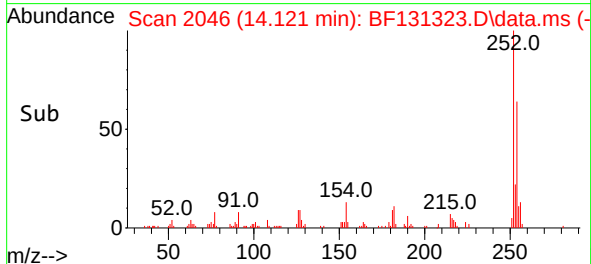
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



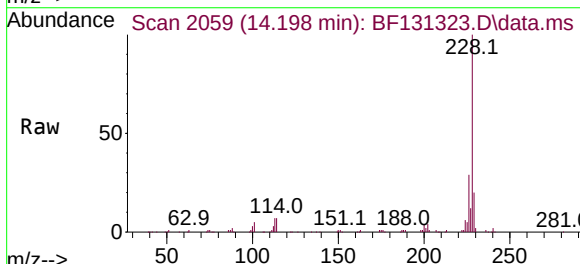
Tgt Ion:252 Resp: 20205
Ion Ratio Lower Upper
252 100
254 64.2 50.8 76.2
126 9.3 8.3 12.5

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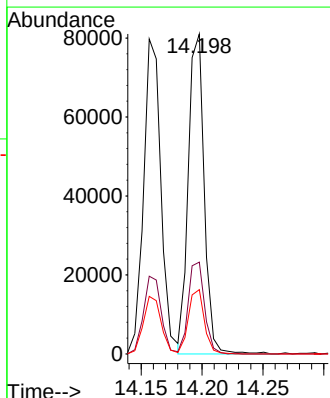
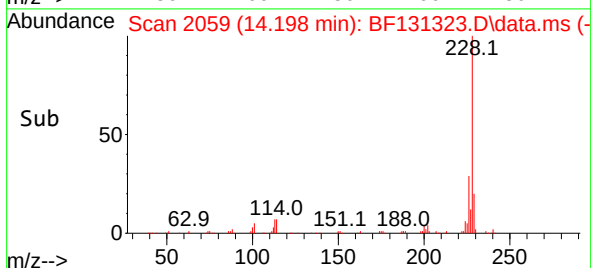
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

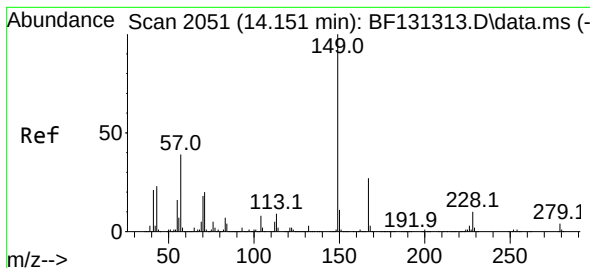


#83
Chrysene
Concen: 3.261 ng
RT: 14.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



Tgt Ion:228 Resp: 73502
Ion Ratio Lower Upper
228 100
226 28.7 23.7 35.5
229 20.1 16.2 24.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.989 ng

RT: 14.145 min Scan# 2051

Delta R.T. -0.006 min

Lab File: BF131323.D

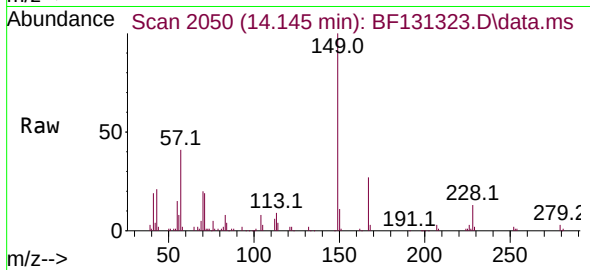
Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022



Tgt Ion:149 Resp: 34373

Ion Ratio Lower Upper

149 100

167 26.9 21.9 32.9

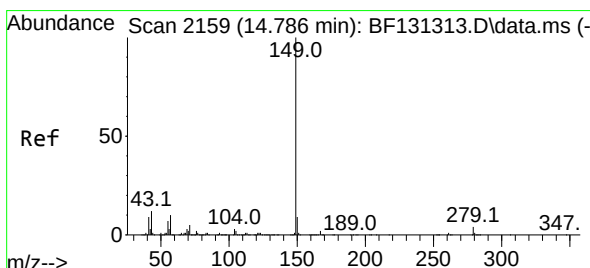
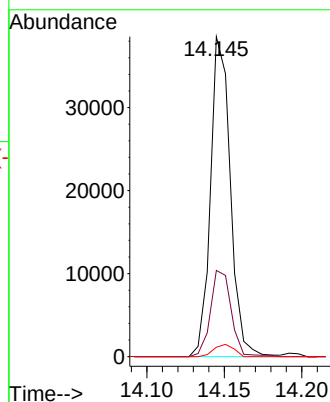
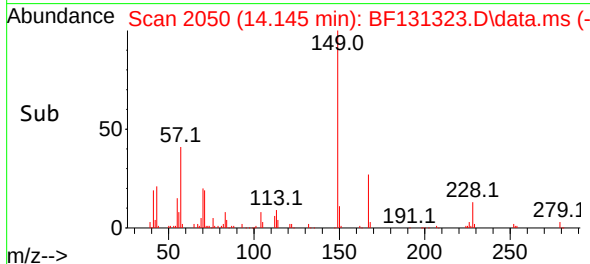
279 2.9 3.0 4.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#85

Di-n-octyl phthalate

Concen: 2.225 ng

RT: 14.774 min Scan# 2157

Delta R.T. -0.012 min

Lab File: BF131323.D

Acq: 22 Nov 2022 10:55

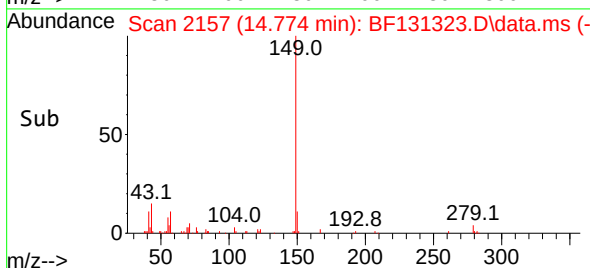
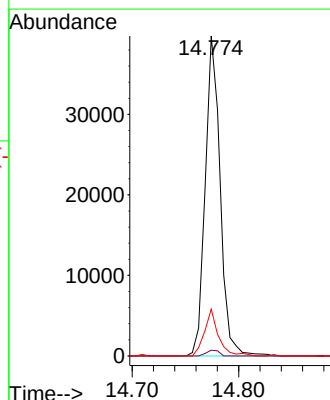
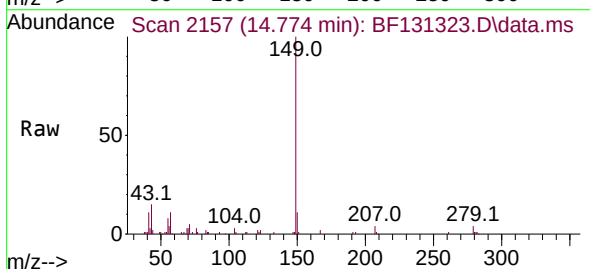
Tgt Ion:149 Resp: 38597

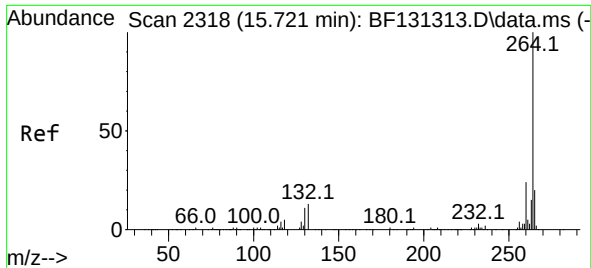
Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

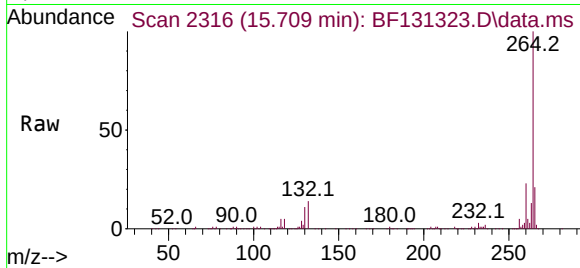
43 13.6 10.7 16.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.709 min Scan# 2318
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

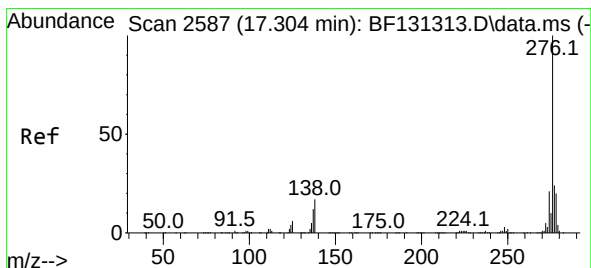
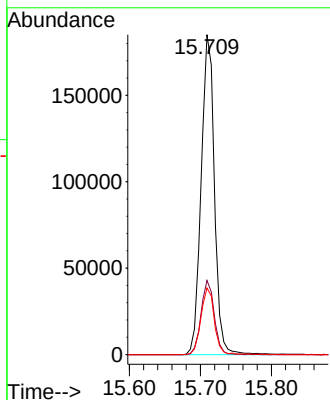
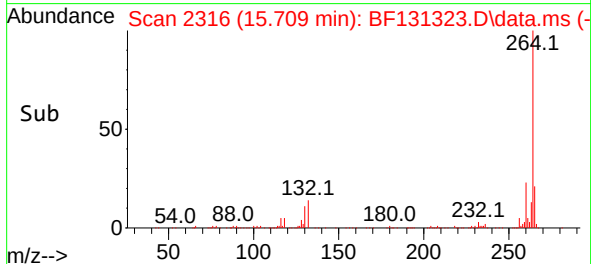
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



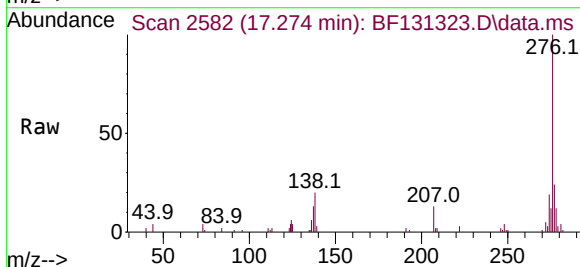
Tgt Ion:264 Resp: 238976
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.4
265 20.8 16.4 24.6

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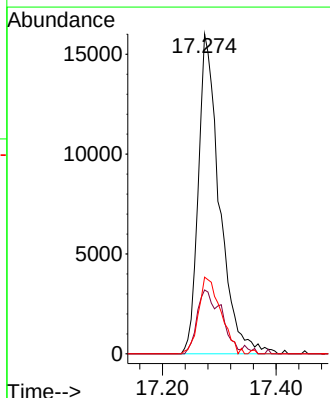
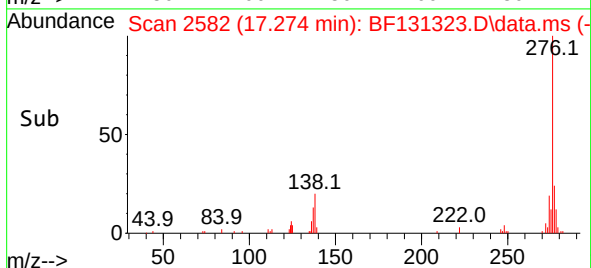
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

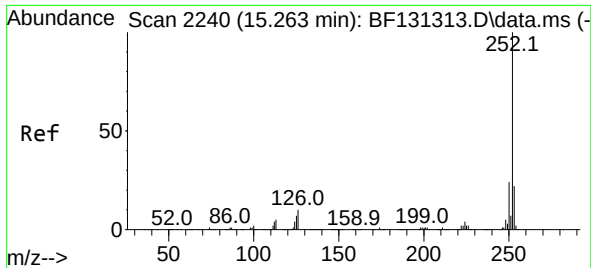


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.592 ng
RT: 17.274 min Scan# 2582
Delta R.T. -0.030 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



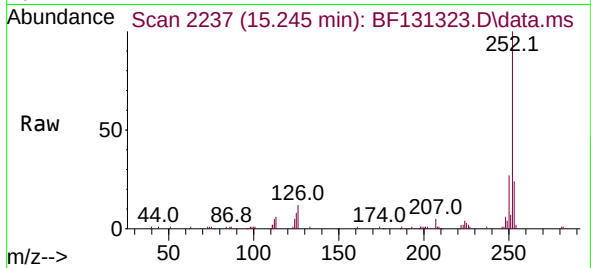
Tgt Ion:276 Resp: 41596
Ion Ratio Lower Upper
276 100
138 23.0 15.8 23.6
277 25.1 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 3.291 ng
RT: 15.245 min Scan# 2240
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

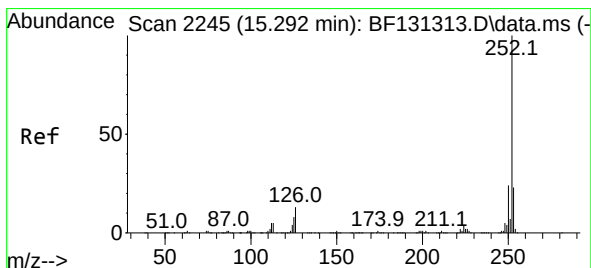
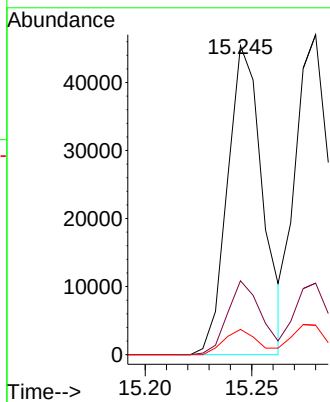
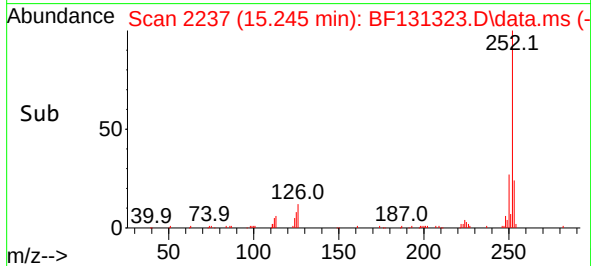
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2022



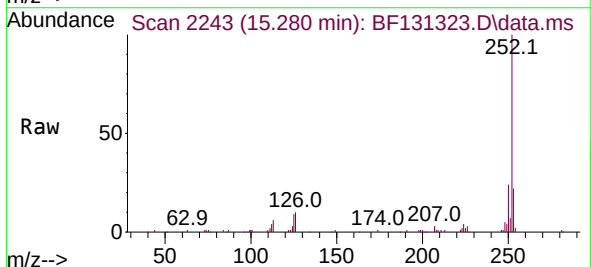
Tgt Ion:252 Resp: 52246
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 8.2 5.8 8.6

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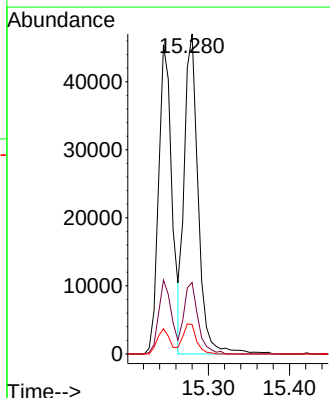
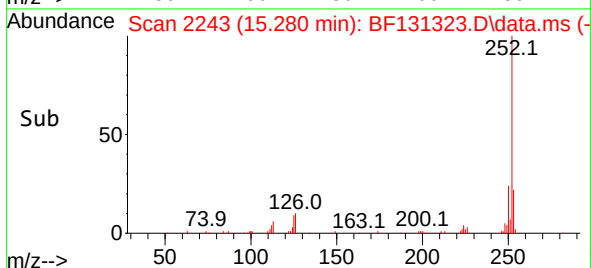
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

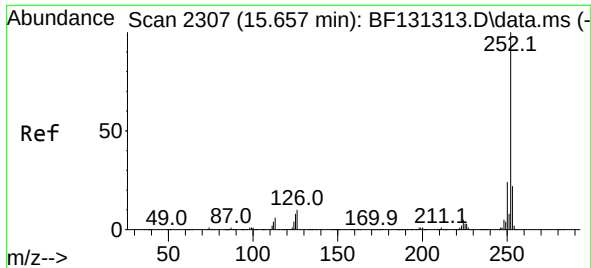


#89
Benzo(k)fluoranthene
Concen: 3.437 ng
RT: 15.280 min Scan# 2243
Delta R.T. -0.012 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



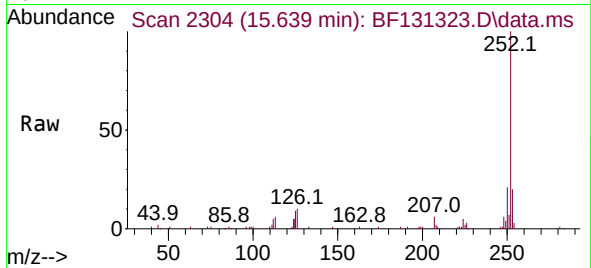
Tgt Ion:252 Resp: 56075
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 9.2 6.6 10.0





#90
Benzo(a)pyrene
Concen: 3.335 ng
RT: 15.639 min Scan# 2304
Delta R.T. -0.018 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55

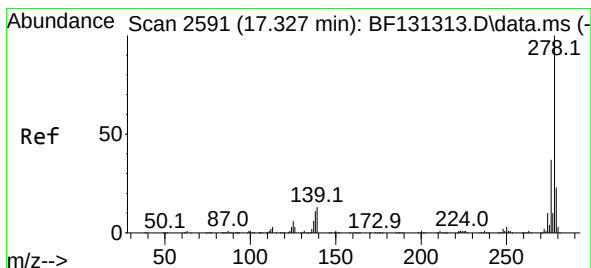
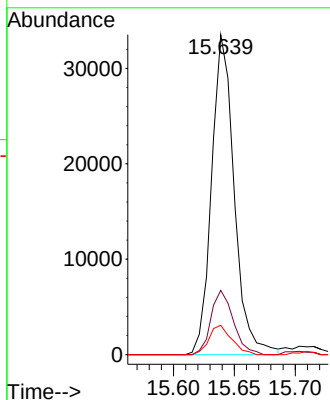
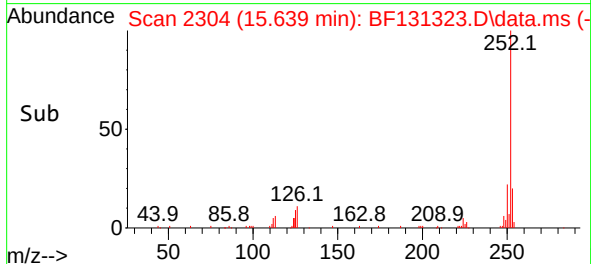
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



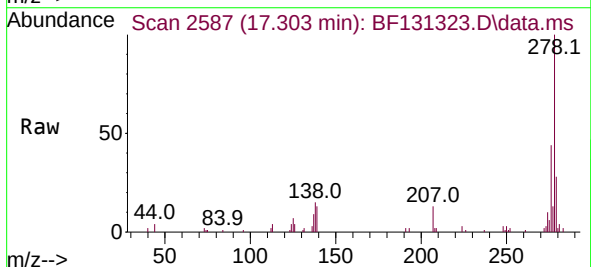
Tgt Ion:252 Resp: 43439
Ion Ratio Lower Upper
252 100
253 20.1 17.5 26.3
125 9.2 6.1 9.1

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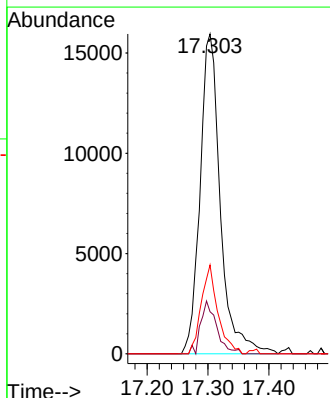
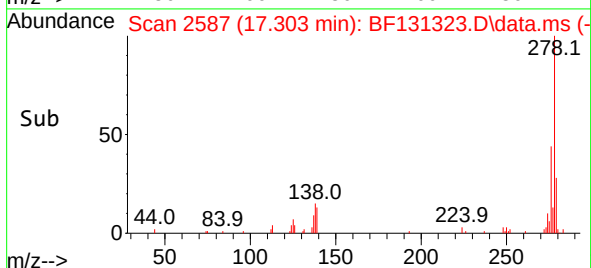
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

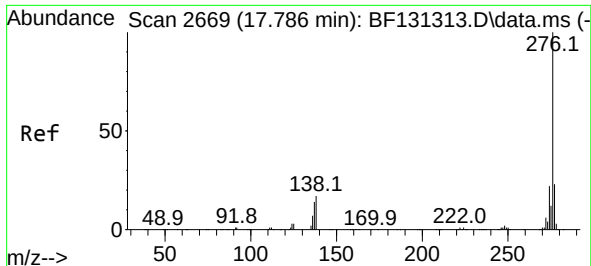


#91
Dibenzo(a,h)anthracene
Concen: 2.781 ng
RT: 17.303 min Scan# 2587
Delta R.T. -0.024 min
Lab File: BF131323.D
Acq: 22 Nov 2022 10:55



Tgt Ion:278 Resp: 36850
Ion Ratio Lower Upper
278 100
139 13.2 10.4 15.6
279 27.8 18.3 27.5





#92

Benzo(g,h,i)perylene

Concen: 2.670 ng

RT: 17.750 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF131323.D

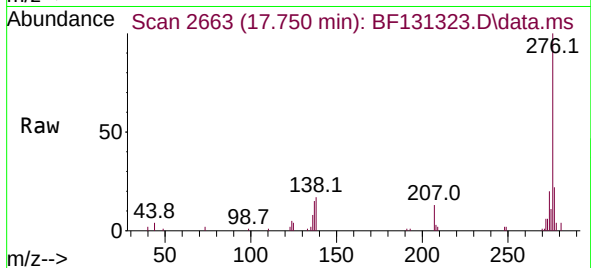
Acq: 22 Nov 2022 10:55

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022



Tgt Ion:	276	Resp:	35316
Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.3	27.5
138	17.1	13.8	20.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022

