

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
 Data File : BF129308.D
 Acq On : 22 Jul 2022 10:18
 Operator : CG\JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jul 22 10:58:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 13:42:18 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/25/2022
 Supervised By : Jagrut Upadhyay 07/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	139027	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	532235	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	280368	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	488003	20.000	ng	0.00
76) Chrysene-d12	14.069	240	367735	20.000	ng	-0.01
86) Perylene-d12	15.563	264	274738	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	941447	110.449	ng	0.00
7) Phenol-d6	6.522	99	1254423	115.446	ng	0.00
23) Nitrobenzene-d5	7.457	82	882384	89.193	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	353242	130.590	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1551324	85.120	ng	0.00
79) Terphenyl-d14	13.016	244	1579237	79.982	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	26129	6.913	ng	90
3) Pyridine	3.558	79	63960m	6.129	ng	
4) n-Nitrosodimethylamine	3.416	42	35246m	7.523	ng	
6) Aniline	6.557	93	109591	8.197	ng	98
8) 2-Chlorophenol	6.681	128	73194	7.833	ng	94
9) Benzaldehyde	6.446	77	61587	8.263	ng	95
10) Phenol	6.534	94	86009	7.532	ng	97
11) bis(2-Chloroethyl)ether	6.628	93	67228	7.437	ng	94
12) 1,3-Dichlorobenzene	6.834	146	79155	7.860	ng	96
13) 1,4-Dichlorobenzene	6.910	146	79864	7.837	ng	98
14) 1,2-Dichlorobenzene	7.063	146	74682	7.931	ng	98
15) Benzyl Alcohol	7.028	79	72965	9.256	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.163	45	98602	7.155	ng	93
17) 2-Methylphenol	7.134	107	56951	7.478	ng	96
18) Hexachloroethane	7.404	117	30190	7.896	ng	# 88
19) n-Nitroso-di-n-propyla...	7.293	70	51480	7.952	ng	98
20) 3+4-Methylphenols	7.287	107	74533	7.504	ng	# 83
22) Acetophenone	7.298	105	105896	8.474	ng	98
24) Nitrobenzene	7.475	77	82036	8.051	ng	98
25) Isophorone	7.704	82	139286	8.019	ng	98
26) 2-Nitrophenol	7.787	139	37311	7.589	ng	96
27) 2,4-Dimethylphenol	7.822	122	65007m	8.789	ng	
28) bis(2-Chloroethoxy)met...	7.916	93	84016	8.350	ng	99
29) 2,4-Dichlorophenol	8.028	162	57058	7.417	ng	98
30) 1,2,4-Trichlorobenzene	8.116	180	64438	8.059	ng	93
31) Naphthalene	8.198	128	215298	7.887	ng	99
32) Benzoic acid	7.881	122	21538m	3.984	ng	
33) 4-Chloroaniline	8.245	127	87880	7.893	ng	95
34) Hexachlorobutadiene	8.310	225	38165	8.351	ng	95
35) Caprolactam	8.581	113	18605	7.583	ng	# 76
36) 4-Chloro-3-methylphenol	8.716	107	63872	7.815	ng	97
37) 2-Methylnaphthalene	8.887	142	142361	8.048	ng	96
38) 1-Methylnaphthalene	8.987	142	132162	7.723	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	62590	8.504	ng	97
41) Hexachlorocyclopentadiene	9.040	237	27623	8.514	ng	96
43) 2,4,6-Trichlorophenol	9.163	196	40025	7.441	ng	97

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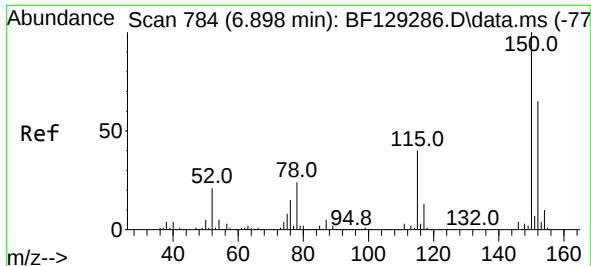
Quant Time: Jul 22 10:58:01 2022
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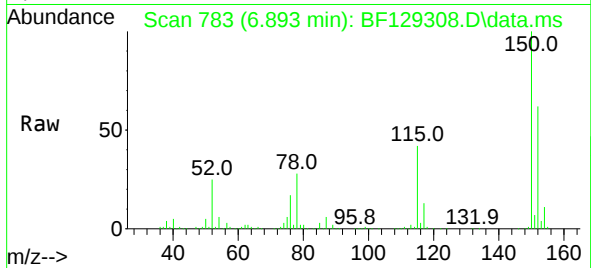
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	44147	7.566	ng	95
46) 1,1'-Biphenyl	9.351	154	174636	8.429	ng	98
47) 2-Chloronaphthalene	9.381	162	132322	7.974	ng	97
48) 2-Nitroaniline	9.469	65	41556	7.456	ng	97
49) Acenaphthylene	9.792	152	216223	8.485	ng	99
50) Dimethylphthalate	9.645	163	154325	8.012	ng	99
51) 2,6-Dinitrotoluene	9.710	165	33596	7.790	ng	92
52) Acenaphthene	9.963	154	129697	7.842	ng	99
53) 3-Nitroaniline	9.881	138	37350	7.278	ng	96
54) 2,4-Dinitrophenol	9.986	184	10867	4.979	ng	# 85
55) Dibenzofuran	10.139	168	190508	8.289	ng	99
56) 4-Nitrophenol	10.034	139	25008	6.673	ng	84
57) 2,4-Dinitrotoluene	10.116	165	44937	7.948	ng	89
58) Fluorene	10.481	166	148441	8.092	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	32234m	7.166	ng	
60) Diethylphthalate	10.345	149	150309	8.111	ng	98
61) 4-Chlorophenyl-phenyle...	10.475	204	66046	8.230	ng	95
62) 4-Nitroaniline	10.492	138	35869	7.077	ng	97
63) Azobenzene	10.634	77	150655	7.858	ng	95
65) 4,6-Dinitro-2-methylph...	10.522	198	18418	6.136	ng	95
66) n-Nitrosodiphenylamine	10.592	169	128305	7.953	ng	96
67) 4-Bromophenyl-phenylether	10.963	248	41665	7.913	ng	92
68) Hexachlorobenzene	11.028	284	46695	8.097	ng	96
69) Atrazine	11.110	200	40944	8.304	ng	94
70) Pentachlorophenol	11.222	266	19615	6.187	ng	95
71) Phenanthrene	11.445	178	217526	8.121	ng	98
72) Anthracene	11.498	178	219381	8.266	ng	99
73) Carbazole	11.651	167	200983	8.118	ng	98
74) Di-n-butylphthalate	11.975	149	226161	7.906	ng	99
75) Fluoranthene	12.639	202	221403	8.111	ng	98
77) Benzidine	12.757	184	113648	7.755	ng	99
78) Pyrene	12.869	202	225392	7.166	ng	98
80) Butylbenzylphthalate	13.480	149	85425	6.656	ng	99
81) Benzo(a)anthracene	14.057	228	183796	7.258	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	61587	7.409	ng	# 98
83) Chrysene	14.092	228	174823	7.315	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	107556	6.824	ng	# 99
85) Di-n-octyl phthalate	14.651	149	146432	6.492	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	120186	6.381	ng	98
88) Benzo(b)fluoranthene	15.116	252	149186	8.158	ng	98
89) Benzo(k)fluoranthene	15.145	252	141062	7.945	ng	97
90) Benzo(a)pyrene	15.492	252	128418	8.679	ng	100
91) Dibenzo(a,h)anthracene	17.080	278	104660	6.894	ng	100
92) Benzo(g,h,i)perylene	17.521	276	105052	6.660	ng	98

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: BF129308.D
 Acq: 22 Jul 2022 10:18

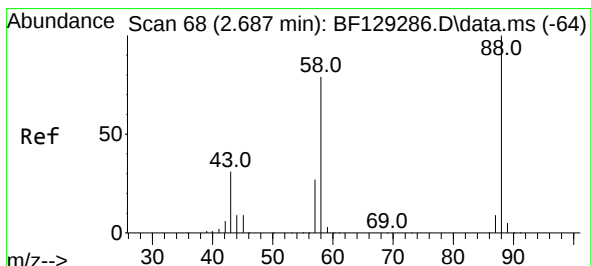
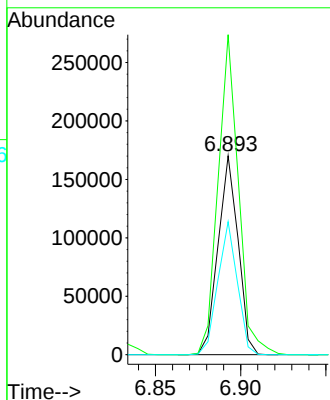
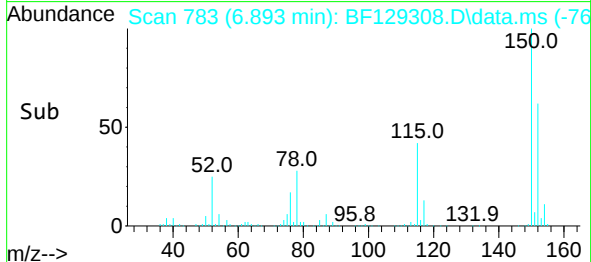
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



Tgt Ion: 152 Resp: 13902
 Ion Ratio Lower Upper
 152 100
 150 160.9 123.7 185.5
 115 66.8 49.9 74.9

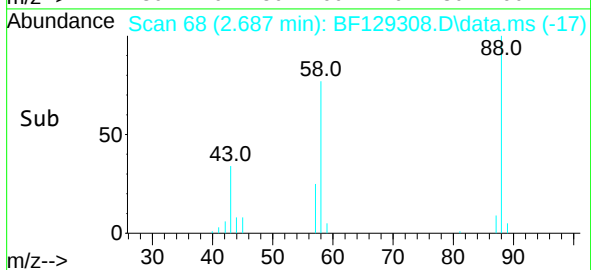
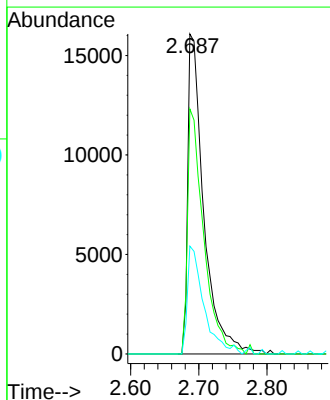
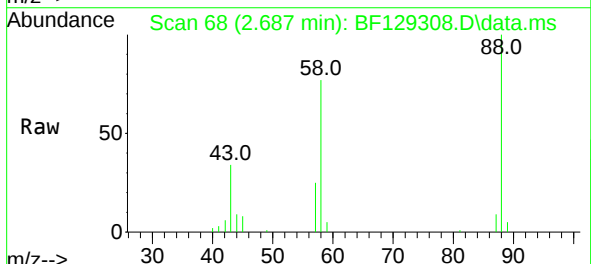
Manual Integrations
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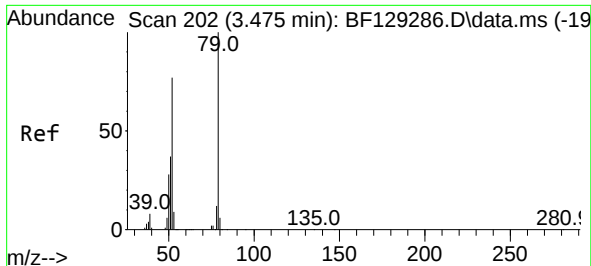
Reviewed By : Christian Giraldo 07/25/2022
 Supervised By : Jagrut Upadhyay 07/25/2022



#2
 1,4-Dioxane
 Concen: 6.913 ng
 RT: 2.687 min Scan# 68
 Delta R.T. 0.000 min
 Lab File: BF129308.D
 Acq: 22 Jul 2022 10:18

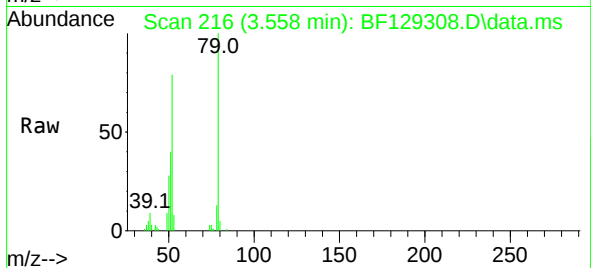
Tgt Ion: 88 Resp: 26129
 Ion Ratio Lower Upper
 88 100
 58 77.2 71.8 107.8
 43 34.6 26.6 39.8





#3
Pyridine
Concen: 6.129 ng m
RT: 3.558 min Scan# 216
Delta R.T. 0.083 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

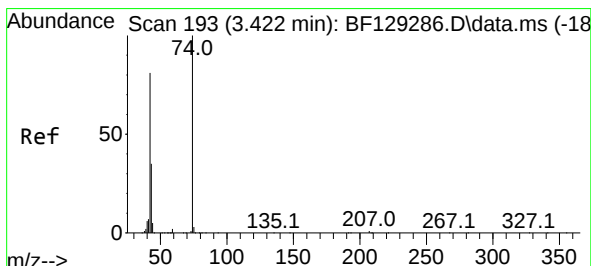
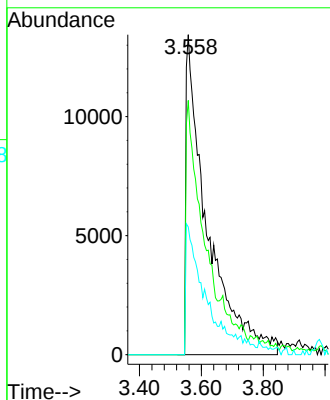
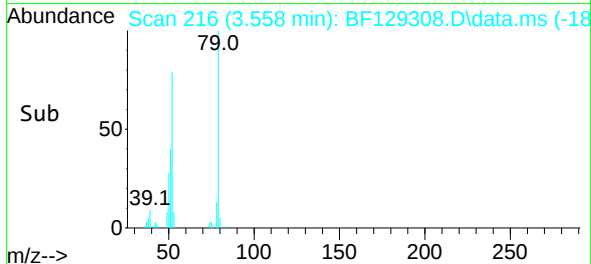
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



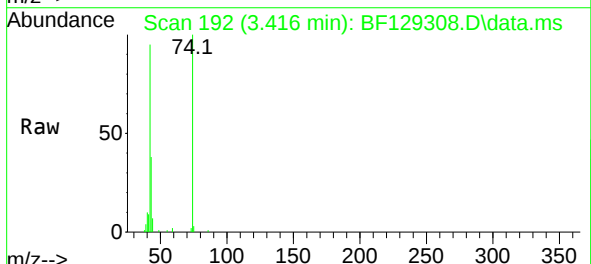
Tgt Ion: 79 Resp: 63960
Ion Ratio Lower Upper
79 100
52 79.4 68.6 102.8
51 39.9 32.9 49.3

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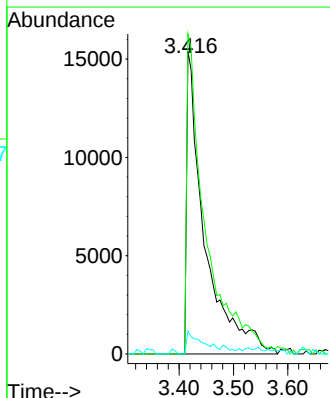
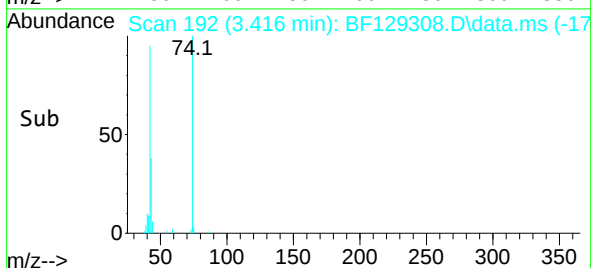
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#4
n-Nitrosodimethylamine
Concen: 7.523 ng m
RT: 3.416 min Scan# 192
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



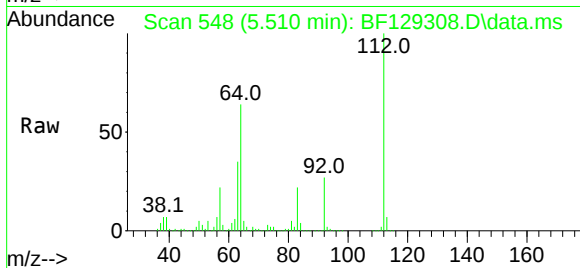
Tgt Ion: 42 Resp: 35246
Ion Ratio Lower Upper
42 100
74 105.7 94.8 142.2
44 7.6 6.6 10.0





#5
2-Fluorophenol
Concen: 110.449 ng
RT: 5.510 min Scan# 549
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

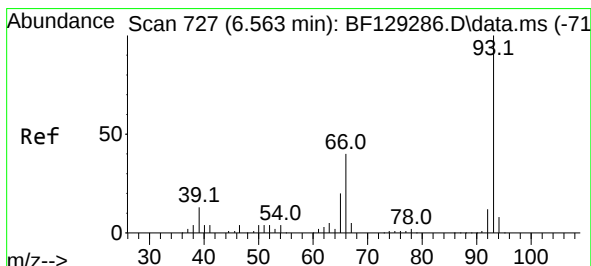
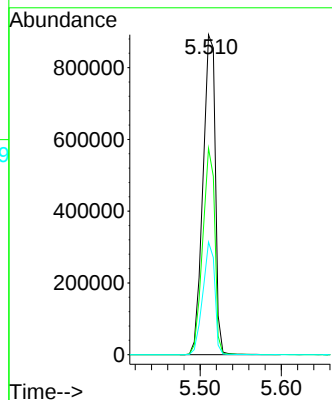
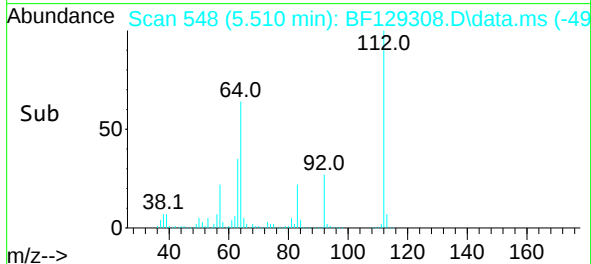
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 112 Resp: 94144
Ion Ratio Lower Upper
112 100
64 64.5 53.3 79.9
63 35.2 28.0 42.0

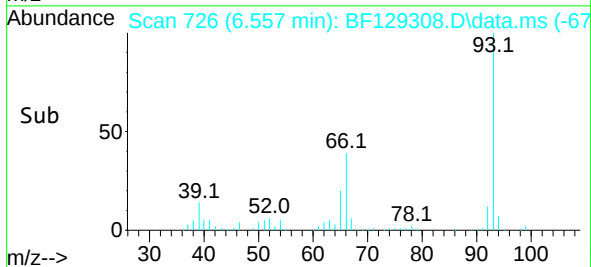
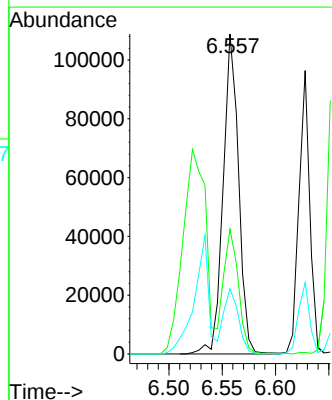
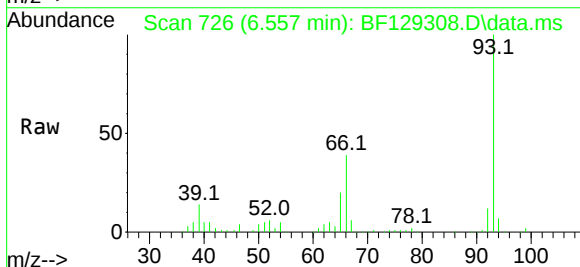
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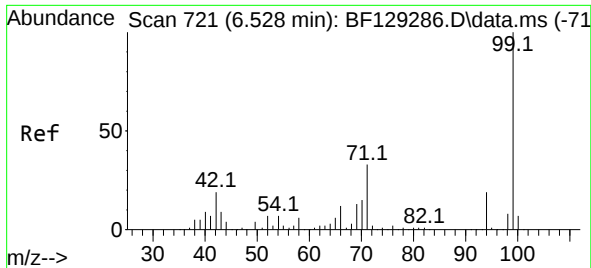
Reviewed By : Christian Giraldo 07/25/2022
Supervised By : Jagrut Upadhyay 07/25/2022



#6
Aniline
Concen: 8.197 ng
RT: 6.557 min Scan# 726
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

Tgt Ion: 93 Resp: 109591
Ion Ratio Lower Upper
93 100
66 39.0 32.5 48.7
65 20.4 16.4 24.6





#7

Phenol-d6

Concen: 115.446 ng

RT: 6.522 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion: 99 Resp: 125442

Ion Ratio Lower Upper

99 100

42 21.1 17.3 25.9

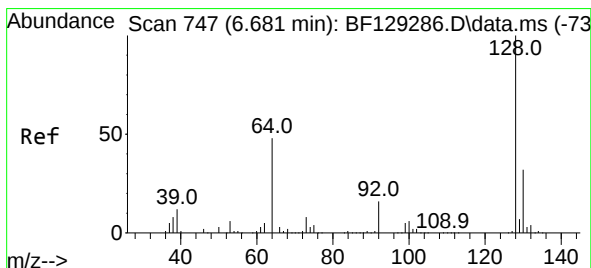
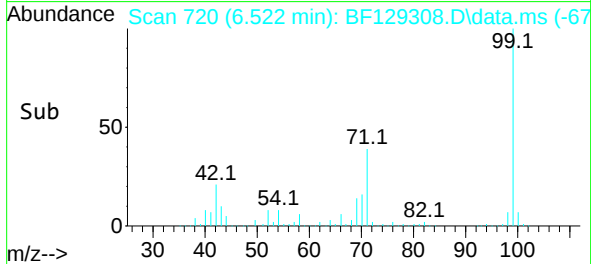
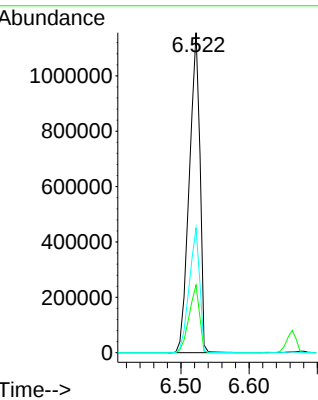
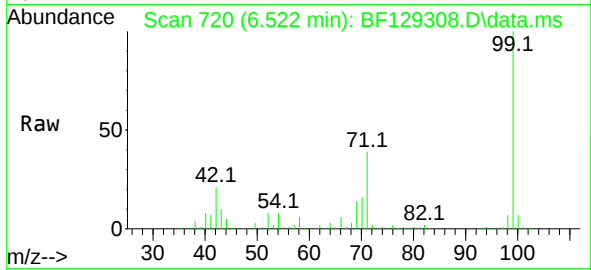
71 39.0 28.9 43.3

Manual Integrations

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#8

2-Chlorophenol

Concen: 7.833 ng

RT: 6.681 min Scan# 747

Delta R.T. 0.000 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

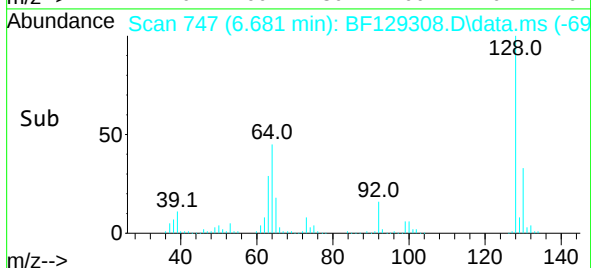
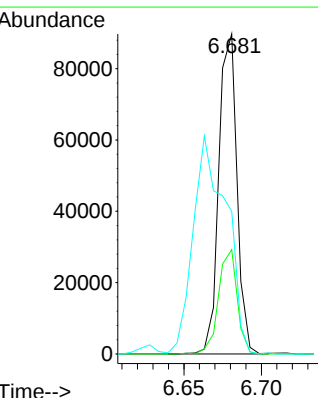
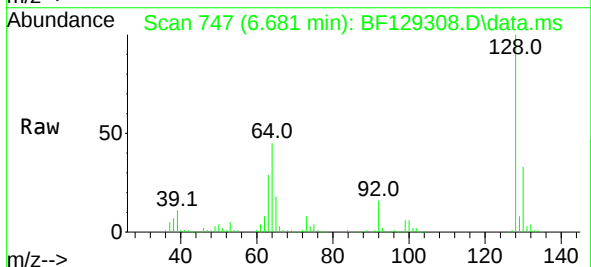
Tgt Ion:128 Resp: 73194

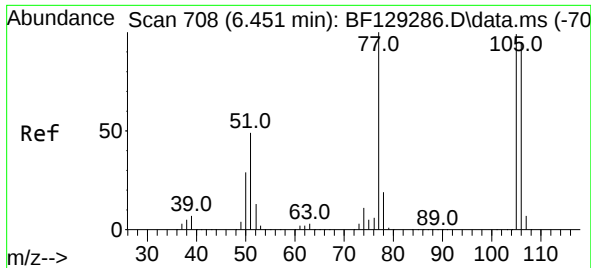
Ion Ratio Lower Upper

128 100

130 32.6 13.1 53.1

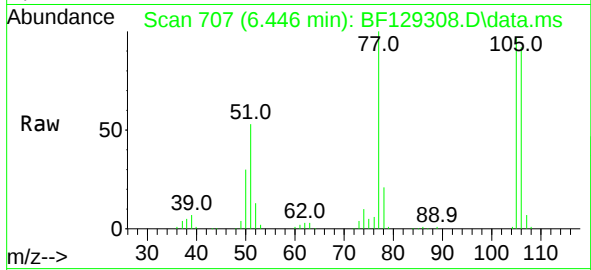
64 44.6 30.9 70.9





#9
Benzaldehyde
Concen: 8.263 ng
RT: 6.446 min Scan# 708
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

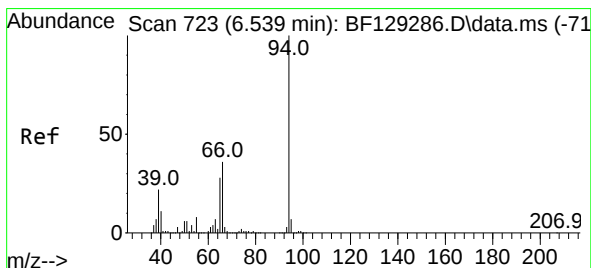
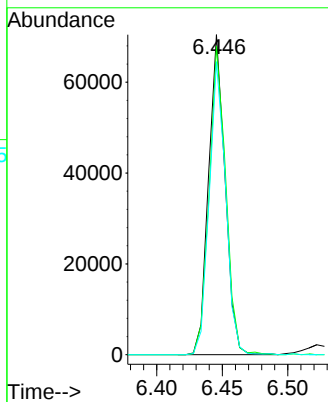
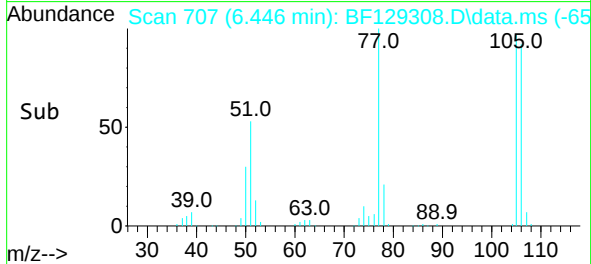
Instrument :
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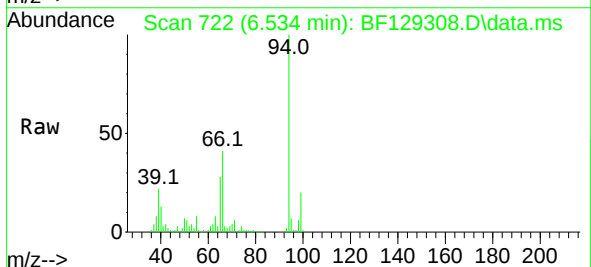
Tgt Ion: 77 Resp: 6158
Ion Ratio Lower Upper
77 100
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106 91.6 76.1 116.1

Manual Integrations
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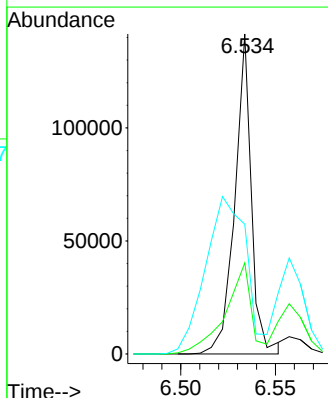
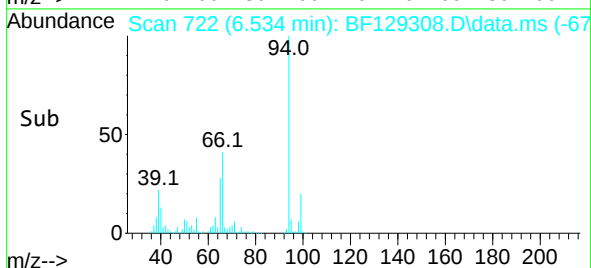
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#10
Phenol
Concen: 7.532 ng
RT: 6.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



Tgt Ion: 94 Resp: 86009
Ion Ratio Lower Upper
94 100
65 28.5 11.4 51.4
66 40.5 21.4 61.4





#11

bis(2-Chloroethyl)ether

Concen: 7.437 ng

RT: 6.628 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA_F

ClientSampleId :

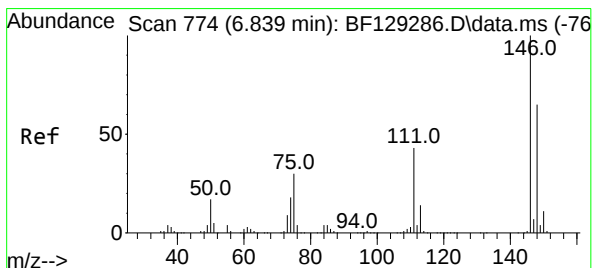
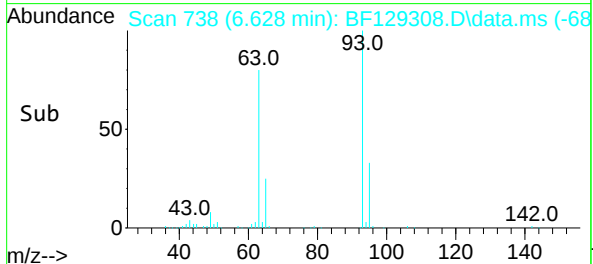
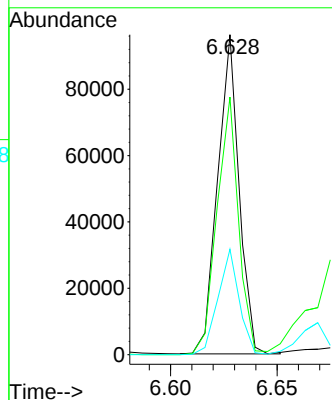
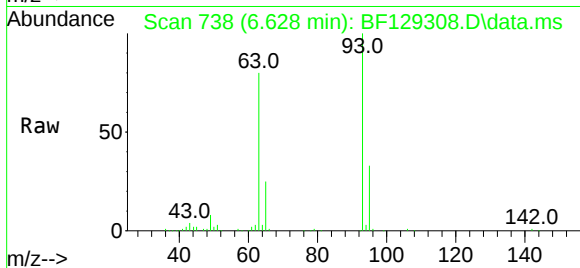
MDL-SOIL-03-QT2-2022

Tgt Ion: 93 Resp: 67228

Ion	Ratio	Lower	Upper
93	100		
63	80.5	67.4	107.4
95	33.0	12.7	52.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#12

1,3-Dichlorobenzene

Concen: 7.860 ng

RT: 6.834 min Scan# 773

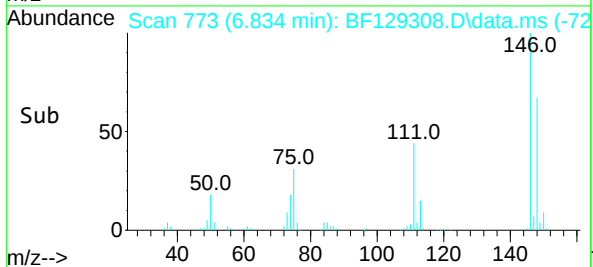
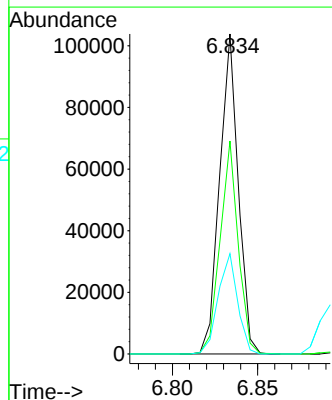
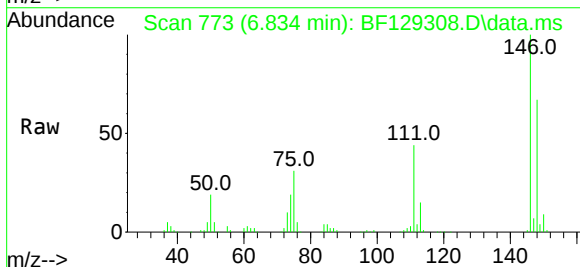
Delta R.T. -0.006 min

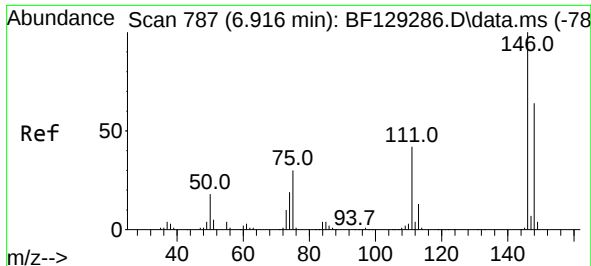
Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Tgt Ion:146 Resp: 79155

Ion	Ratio	Lower	Upper
146	100		
148	66.6	50.6	75.8
75	31.4	26.3	39.5





#13

1,4-Dichlorobenzene

Concen: 7.837 ng

RT: 6.910 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA_F

ClientSampleId :

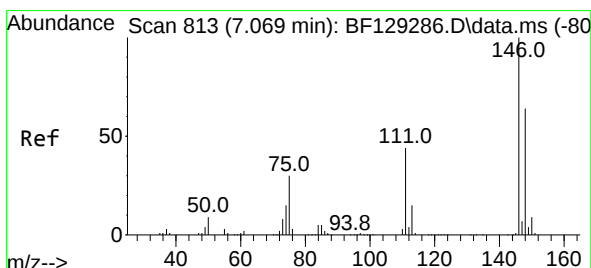
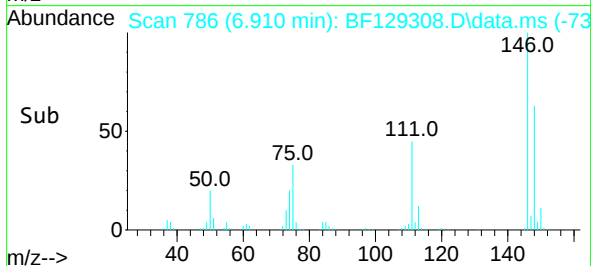
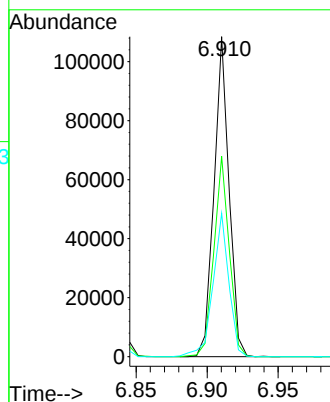
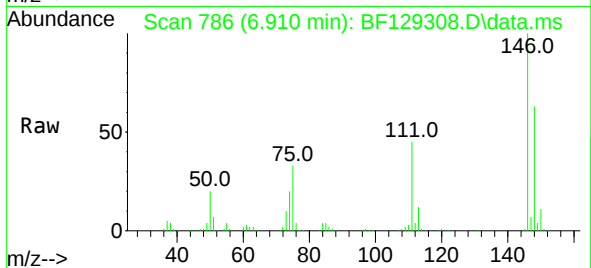
MDL-SOIL-03-QT2-2022

Tgt Ion:146 Resp: 79864
 Ion Ratio Lower Upper
 146 100
 148 62.6 51.1 76.7
 111 44.8 34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022



#14

1,2-Dichlorobenzene

Concen: 7.931 ng

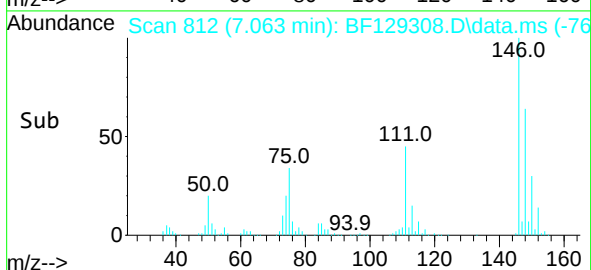
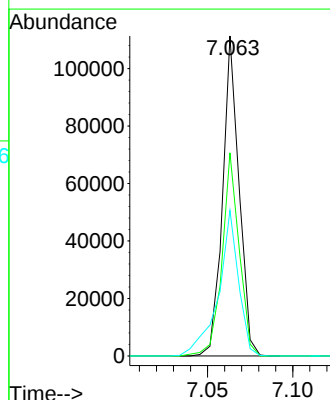
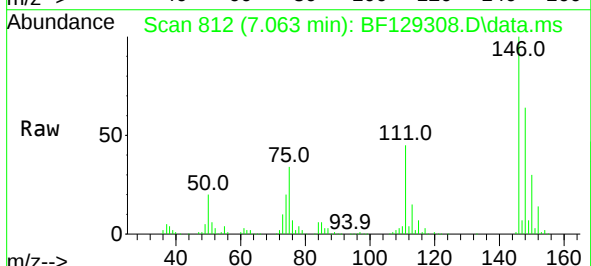
RT: 7.063 min Scan# 812

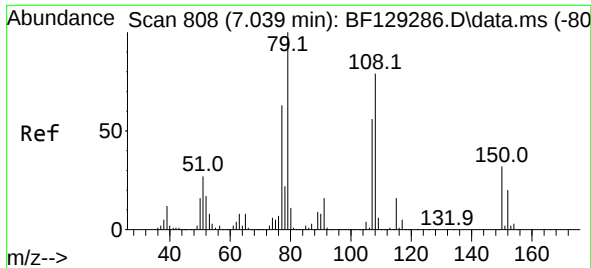
Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

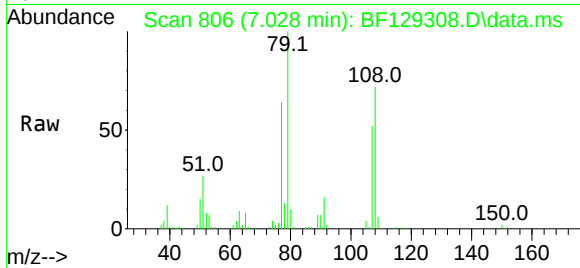
Tgt Ion:146 Resp: 74682
 Ion Ratio Lower Upper
 146 100
 148 63.5 51.8 77.8
 111 45.5 35.1 52.7





#15
Benzyl Alcohol
Concen: 9.256 ng
RT: 7.028 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

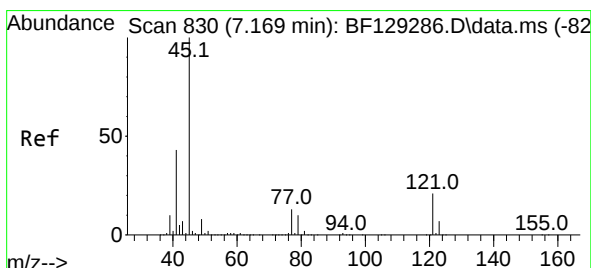
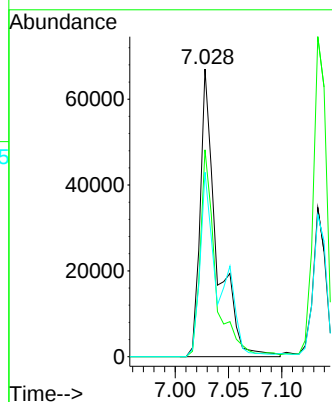
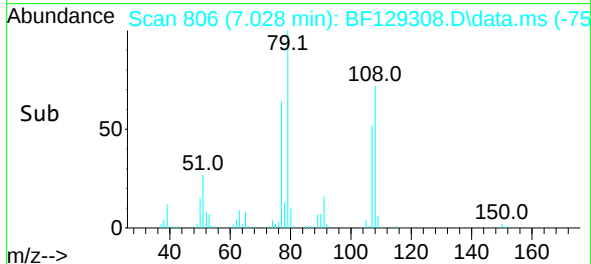
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



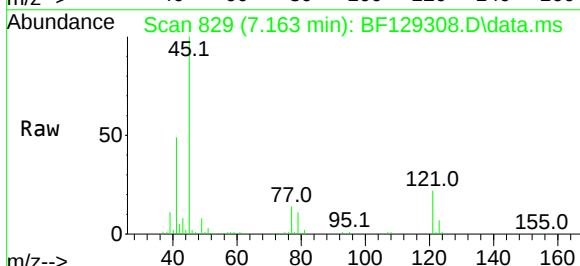
Tgt Ion: 79 Resp: 7296
Ion Ratio Lower Upper
79 100
108 71.9 61.8 92.6
77 64.1 50.2 75.4

Manual Integrations
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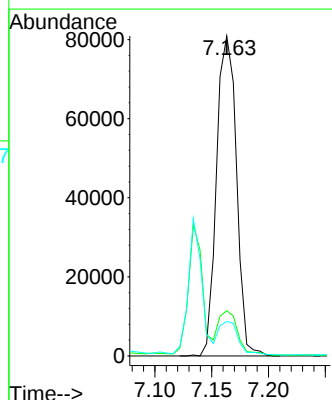
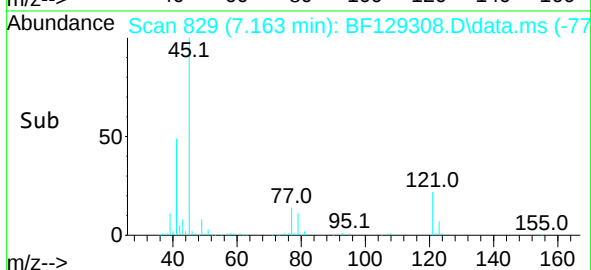
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

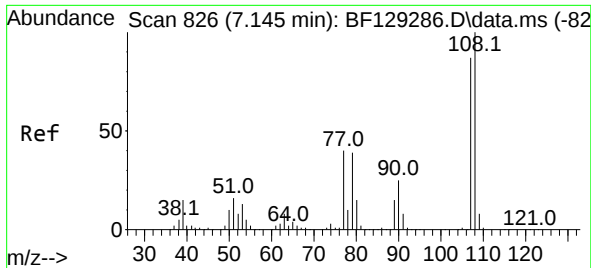


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.155 ng
RT: 7.163 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



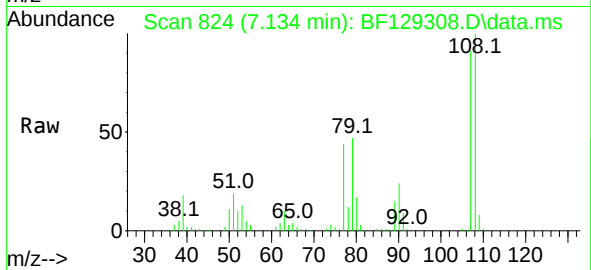
Tgt Ion: 45 Resp: 98602
Ion Ratio Lower Upper
45 100
77 14.1 0.0 31.3
79 10.8 0.0 28.3





#17
2-Methylphenol
Concen: 7.478 ng
RT: 7.134 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

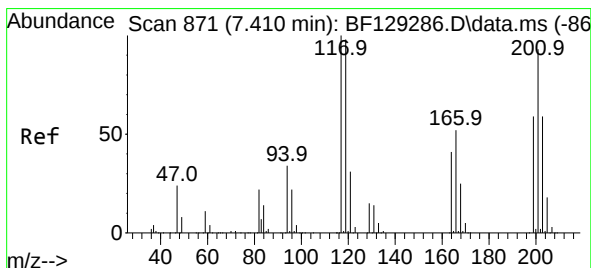
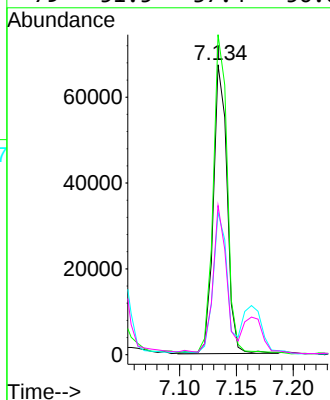
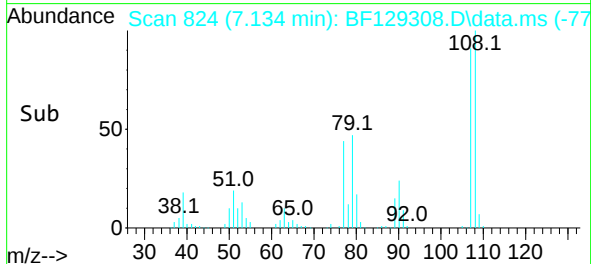
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



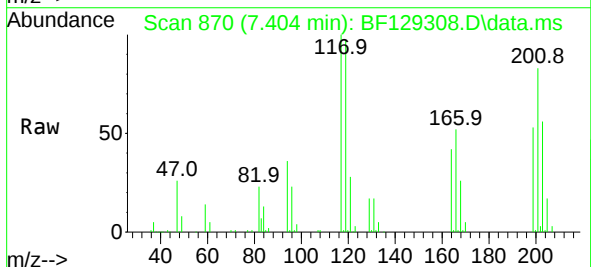
Tgt Ion:107 Resp: 5695
Ion Ratio Lower Upper
107 100
108 110.4 91.9 137.9
77 49.0 37.8 56.8
79 51.5 37.4 56.0

Manual Integrations
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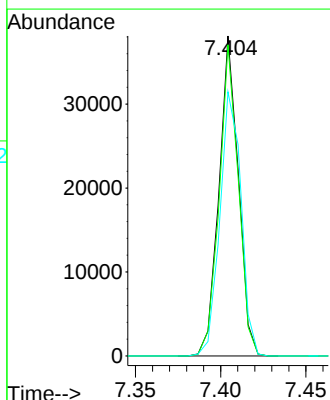
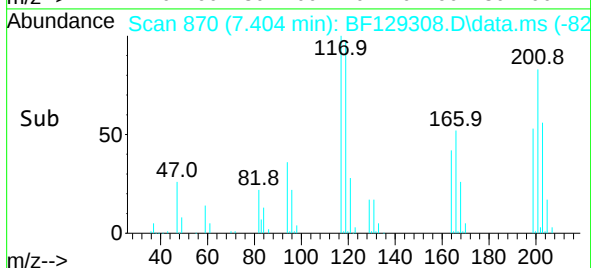
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

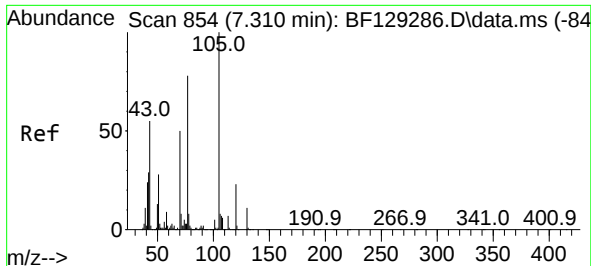


#18
Hexachloroethane
Concen: 7.896 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



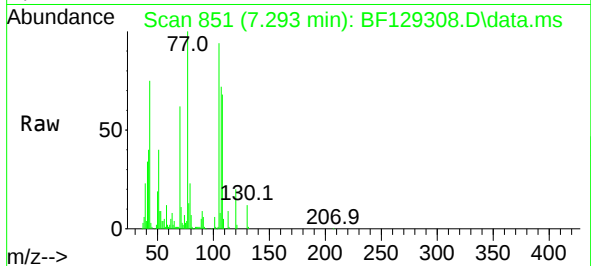
Tgt Ion:117 Resp: 30190
Ion Ratio Lower Upper
117 100
119 97.2 77.4 116.2
201 82.5 84.6 127.0#





#19
n-Nitroso-di-n-propylamine
Concen: 7.952 ng
RT: 7.293 min Scan# 851
Delta R.T. -0.017 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

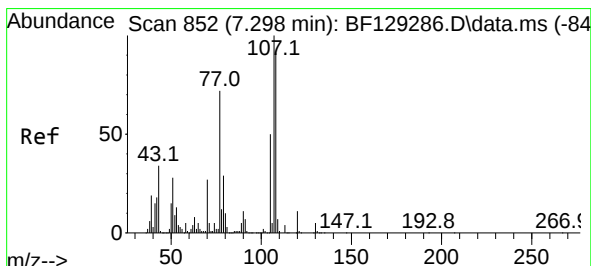
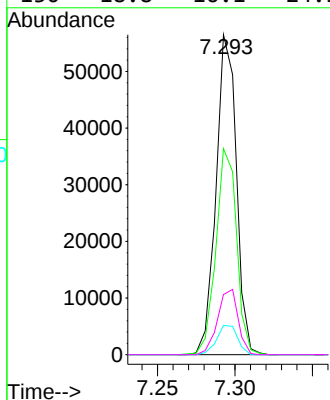
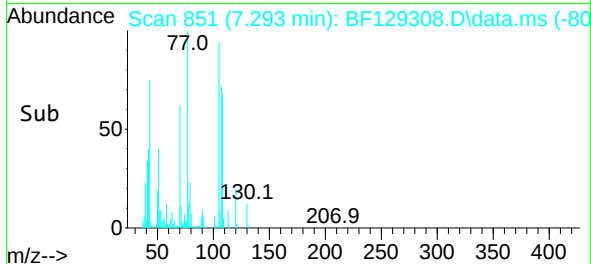
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



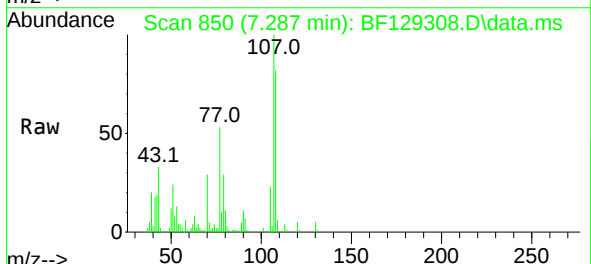
Tgt Ion: 70 Resp: 51480
Ion Ratio Lower Upper
70 100
42 64.4 52.3 78.5
101 9.2 7.5 11.3
130 18.8 16.1 24.1

Manual Integrations
APPROVED

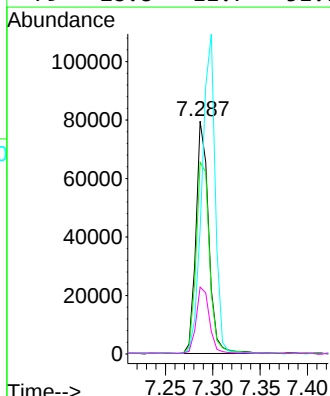
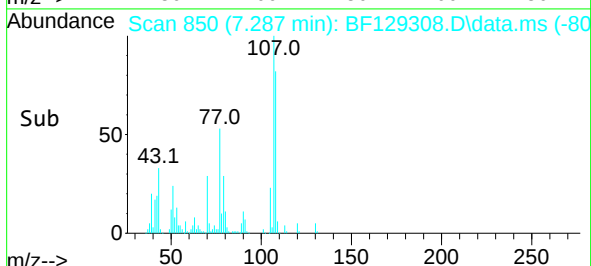
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

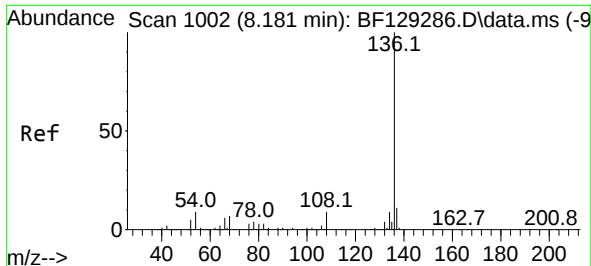


#20
3+4-Methylphenols
Concen: 7.504 ng
RT: 7.287 min Scan# 850
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



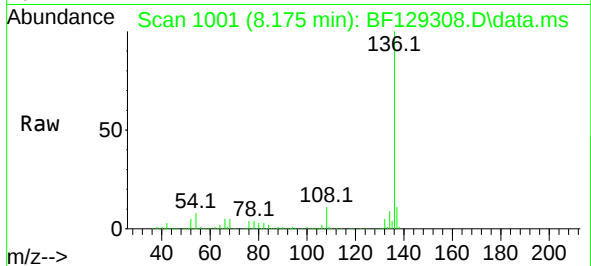
Tgt Ion: 107 Resp: 74533
Ion Ratio Lower Upper
107 100
108 82.3 71.8 111.8
77 53.4 59.3 99.3#
79 28.8 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

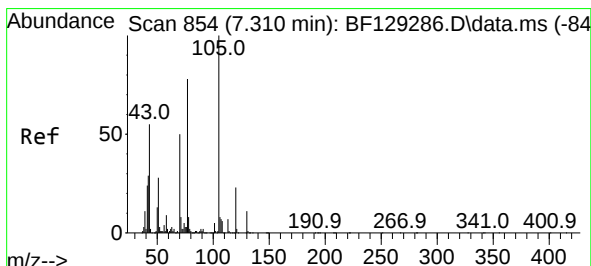
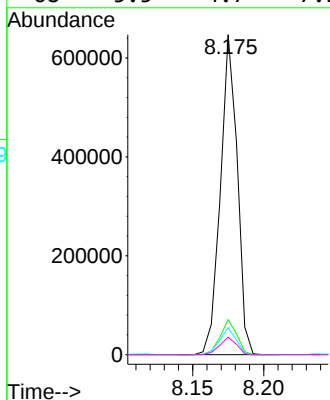
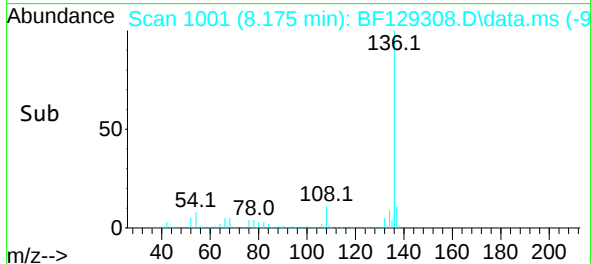
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:136 Resp: 53223
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.4 7.5 11.3
68 5.5 4.7 7.1

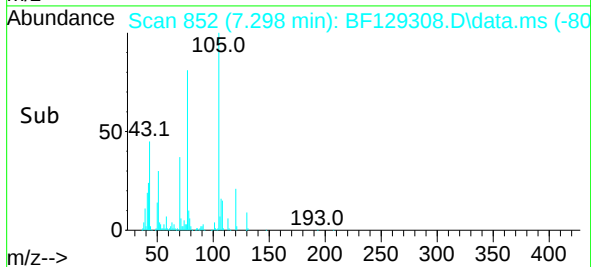
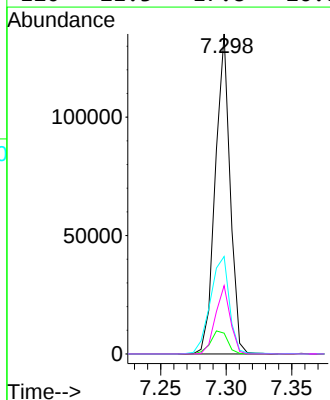
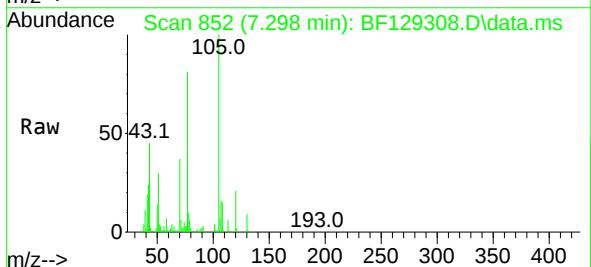
Manual Integrations
APPROVED

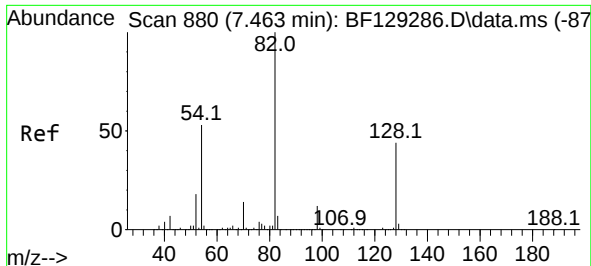
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#22
Acetophenone
Concen: 8.474 ng
RT: 7.298 min Scan# 852
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

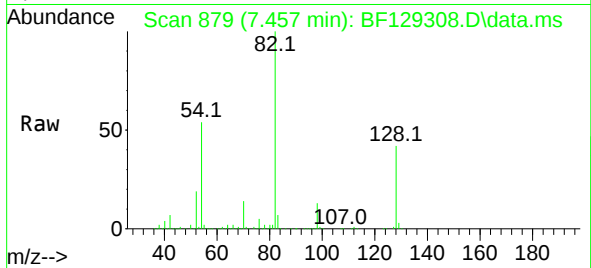
Tgt Ion:105 Resp: 105896
Ion Ratio Lower Upper
105 100
71 6.5 5.0 7.4
51 30.5 25.0 37.4
120 21.3 17.8 26.8





#23
Nitrobenzene-d5
Concen: 89.193 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

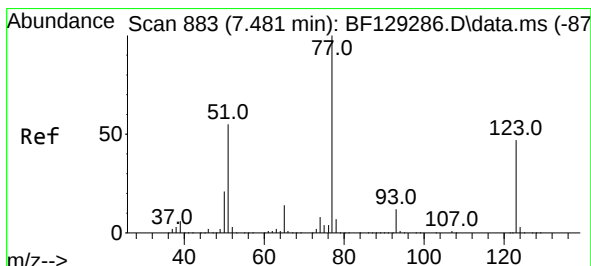
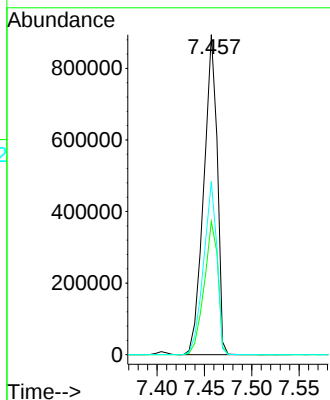
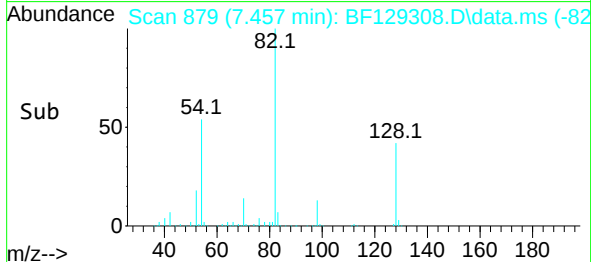
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



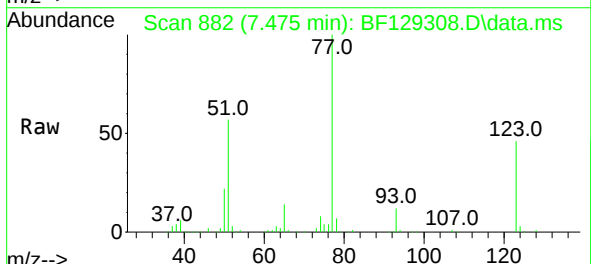
Tgt Ion: 82 Resp: 882384
Ion Ratio Lower Upper
82 100
128 41.7 34.0 51.0
54 54.1 46.9 70.3

Manual Integrations
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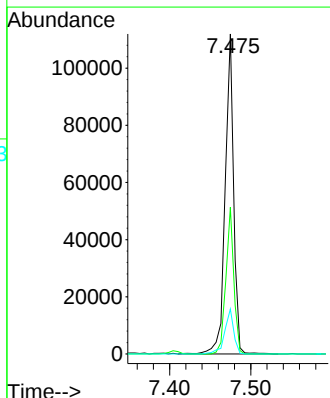
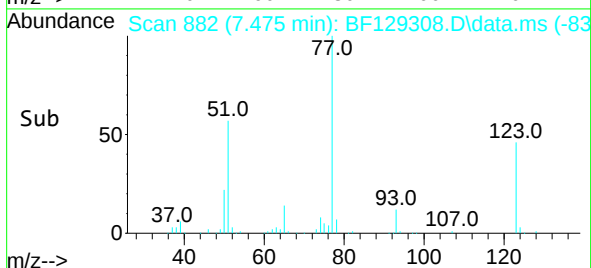
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#24
Nitrobenzene
Concen: 8.051 ng
RT: 7.475 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



Tgt Ion: 77 Resp: 82036
Ion Ratio Lower Upper
77 100
123 45.8 35.4 53.2
65 14.1 11.8 17.8





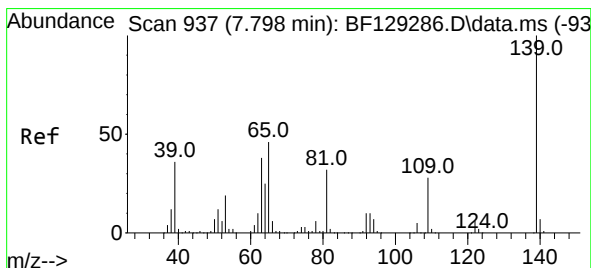
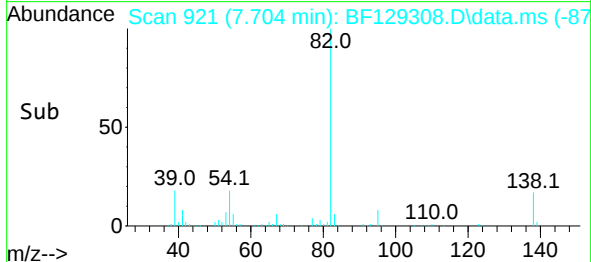
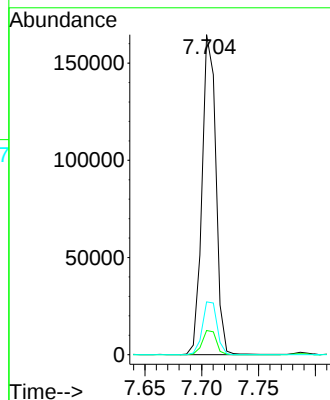
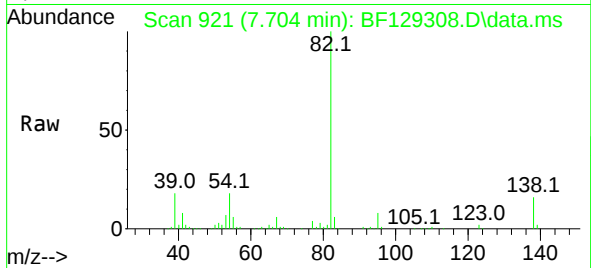
#25
Isophorone
Concen: 8.019 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion: 82 Resp: 139286
Ion Ratio Lower Upper
82 100
95 7.5 5.7 8.5
138 16.5 14.2 21.2

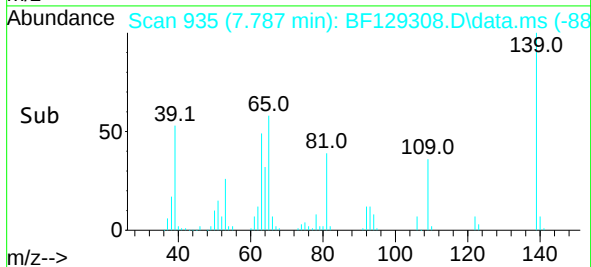
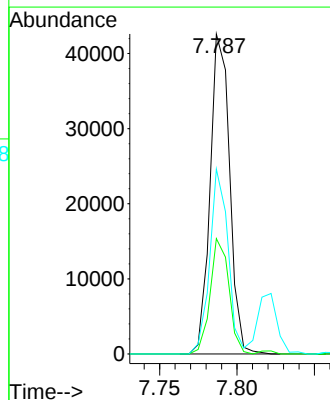
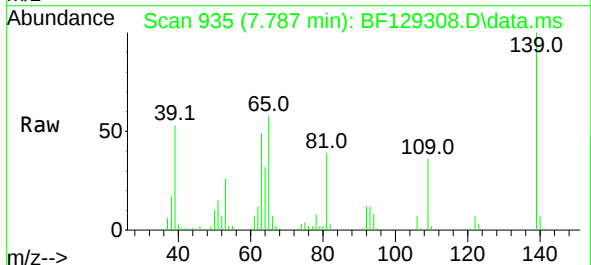
Manual Integrations
APPROVED

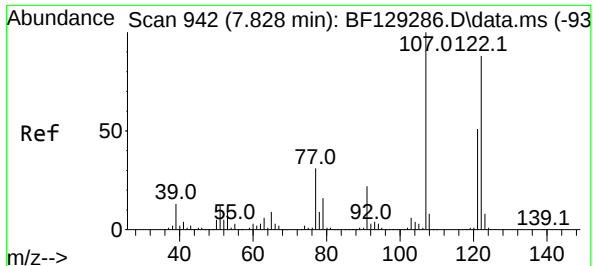
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#26
2-Nitrophenol
Concen: 7.589 ng
RT: 7.787 min Scan# 935
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

Tgt Ion:139 Resp: 37311
Ion Ratio Lower Upper
139 100
109 36.0 25.0 37.4
65 57.8 45.1 67.7





#27

2,4-Dimethylphenol

Concen: 8.789 ng m

RT: 7.822 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA_F

ClientSampleId :

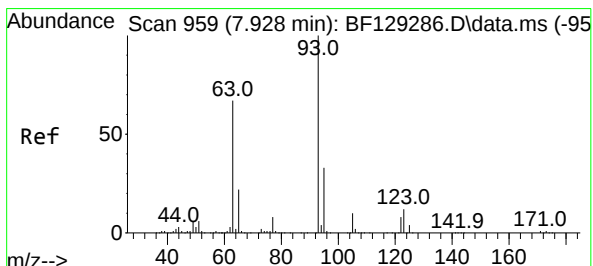
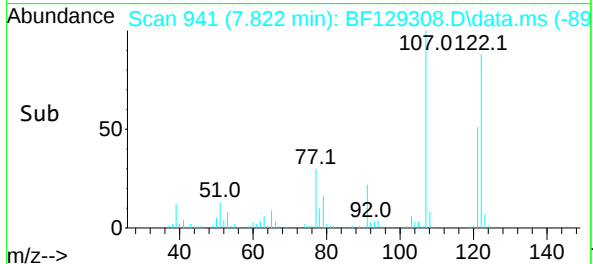
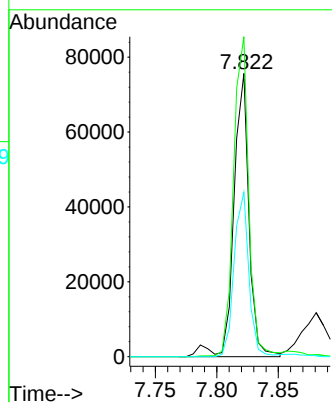
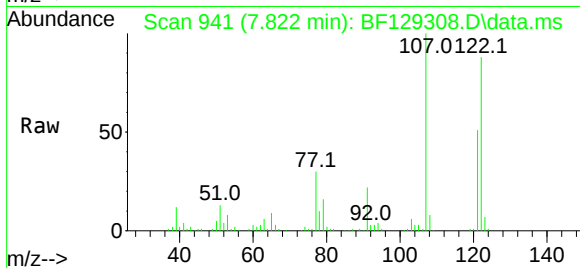
MDL-SOIL-03-QT2-2022

Tgt Ion:122 Resp: 6500

Ion	Ratio	Lower	Upper
122	100		
107	113.0	93.0	139.6
121	58.0	46.6	70.0

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Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#28

bis(2-Chloroethoxy)methane

Concen: 8.350 ng

RT: 7.916 min Scan# 957

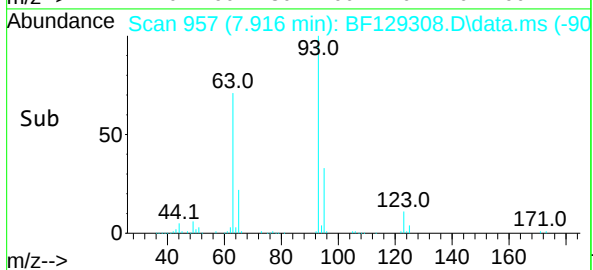
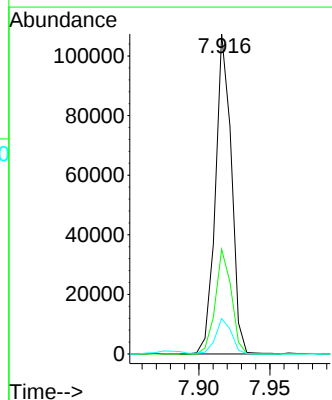
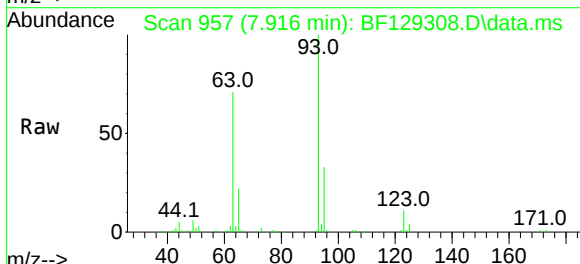
Delta R.T. -0.012 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Tgt Ion: 93 Resp: 84016

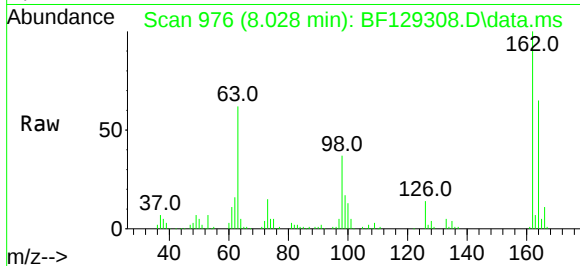
Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.8	40.2
123	11.1	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 7.417 ng
RT: 8.028 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

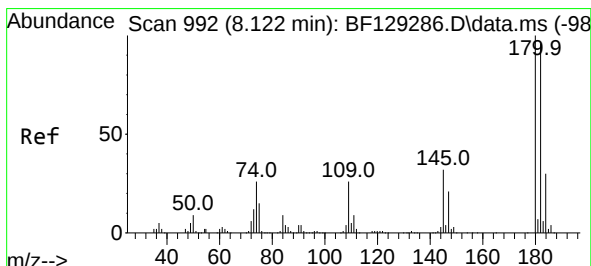
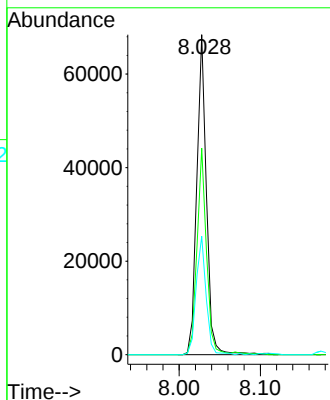
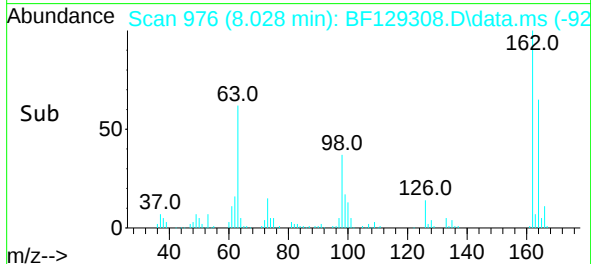
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:162 Resp: 57058
Ion Ratio Lower Upper
162 100
164 64.5 44.2 84.2
98 37.0 19.6 59.6

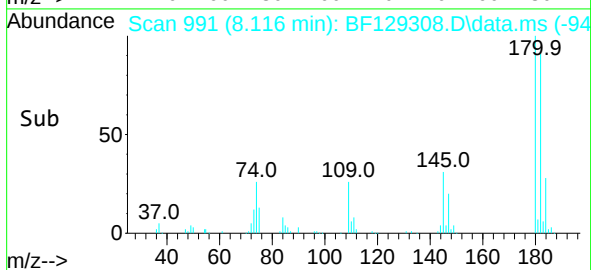
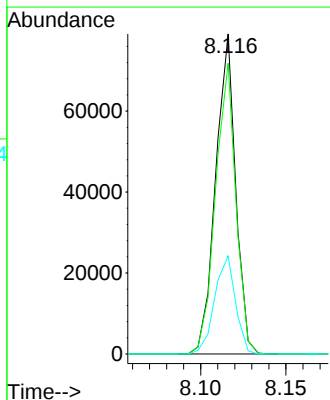
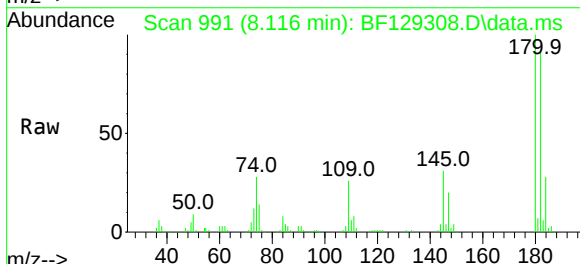
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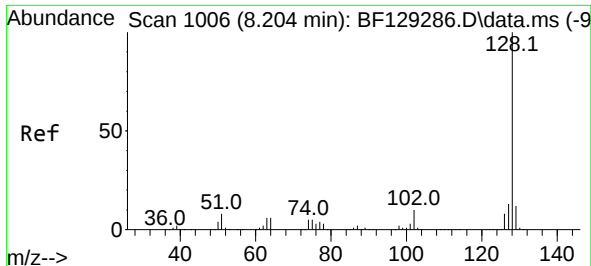
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#30
1,2,4-Trichlorobenzene
Concen: 8.059 ng
RT: 8.116 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

Tgt Ion:180 Resp: 64438
Ion Ratio Lower Upper
180 100
182 90.9 79.2 118.8
145 30.7 26.2 39.2





#31

Naphthalene

Concen: 7.887 ng

RT: 8.198 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA_F

ClientSampleId :

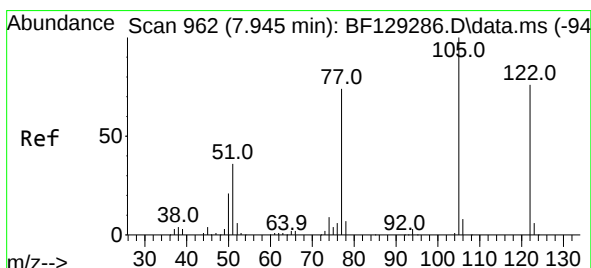
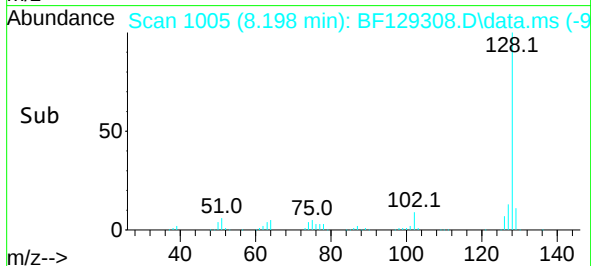
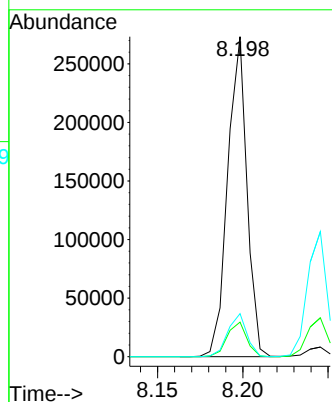
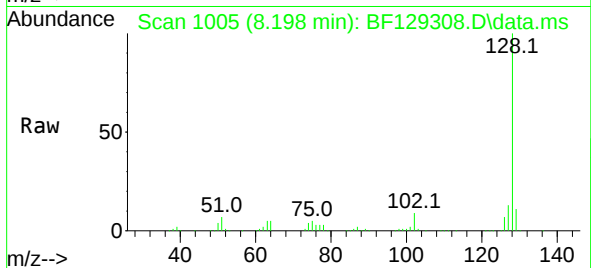
MDL-SOIL-03-QT2-2022

Tgt Ion:128 Resp: 215298
 Ion Ratio Lower Upper
 128 100
 129 10.8 9.2 13.8
 127 13.5 10.5 15.7

Manual Integrations

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 Supervised By :Jagrut Upadhyay 07/25/2022



#32

Benzoic acid

Concen: 3.984 ng m

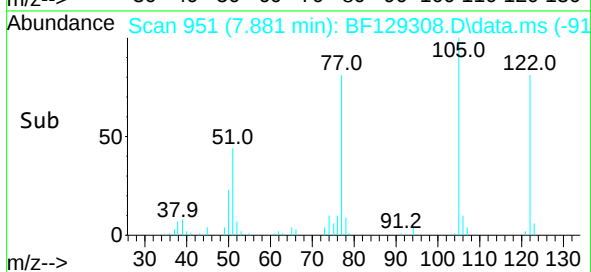
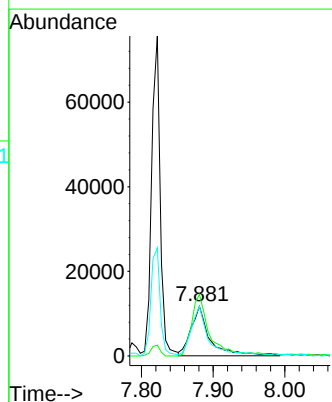
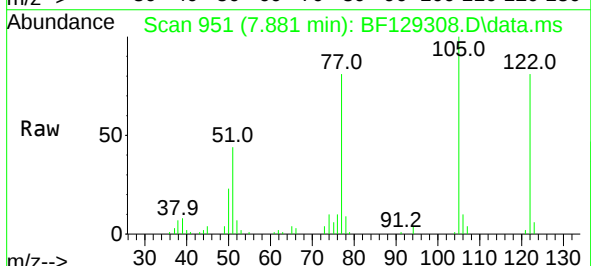
RT: 7.881 min Scan# 951

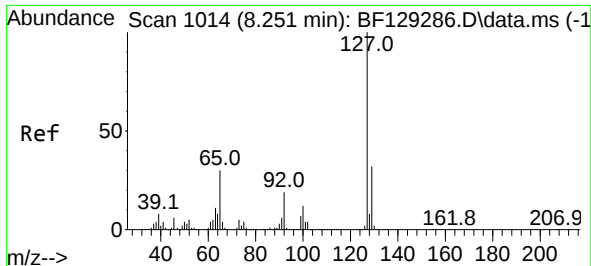
Delta R.T. -0.064 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

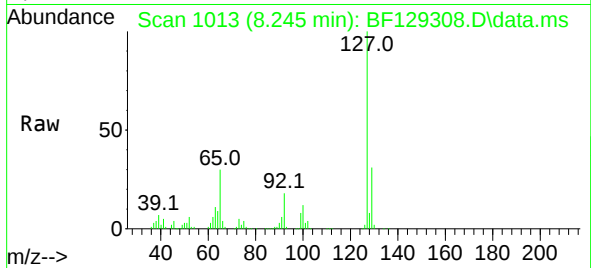
Tgt Ion:122 Resp: 21538
 Ion Ratio Lower Upper
 122 100
 105 123.8 107.1 147.1
 77 99.9 74.2 114.2





#33
4-Chloroaniline
Concen: 7.893 ng
RT: 8.245 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

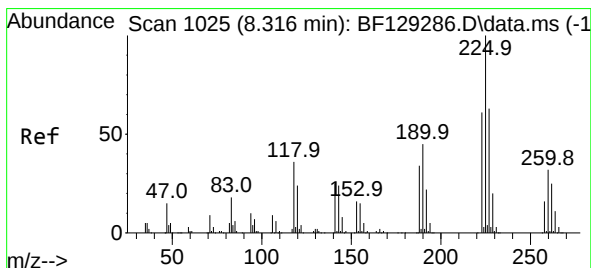
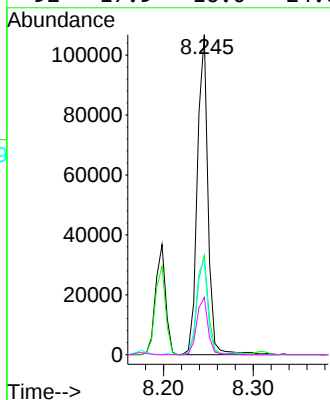
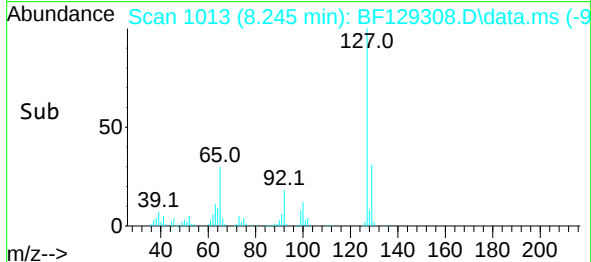
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:127 Resp: 87880
Ion Ratio Lower Upper
127 100
129 31.1 26.4 39.6
65 29.7 26.4 39.6
92 17.9 16.0 24.0

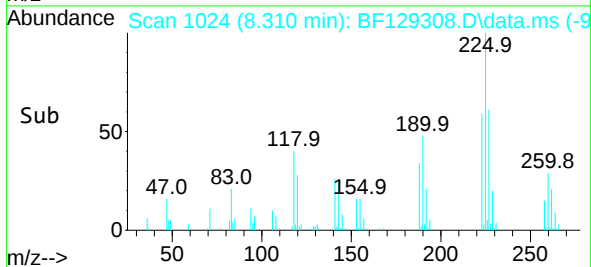
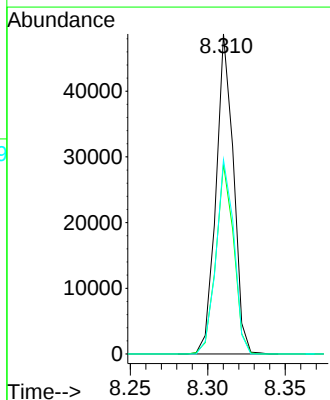
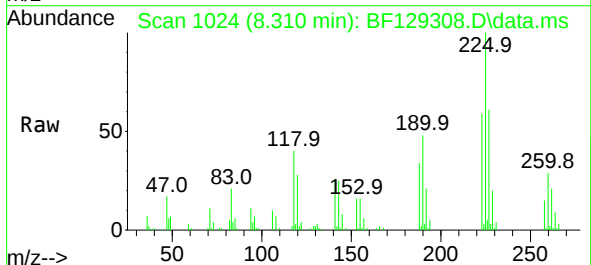
Manual Integrations
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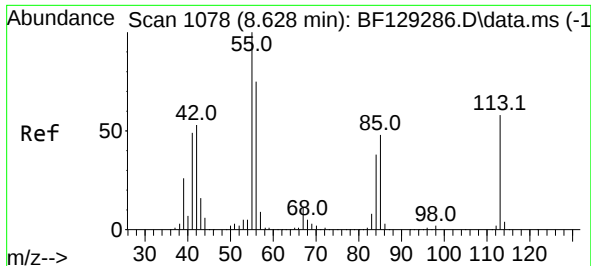
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#34
Hexachlorobutadiene
Concen: 8.351 ng
RT: 8.310 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

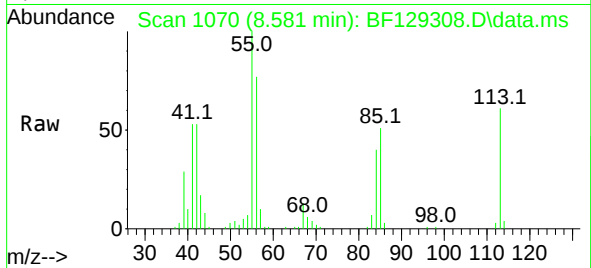
Tgt Ion:225 Resp: 38165
Ion Ratio Lower Upper
225 100
223 59.3 51.0 76.6
227 60.7 51.1 76.7





#35
Caprolactam
Concen: 7.583 ng
RT: 8.581 min Scan# 1078
Delta R.T. -0.047 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

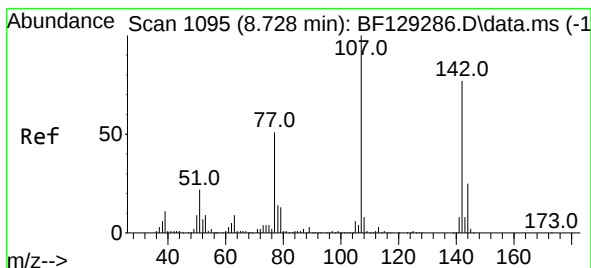
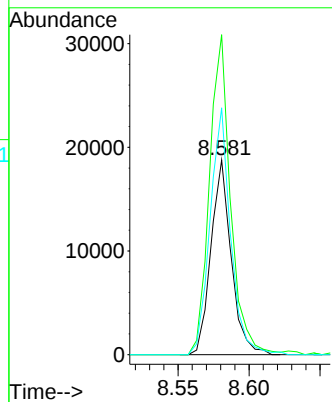
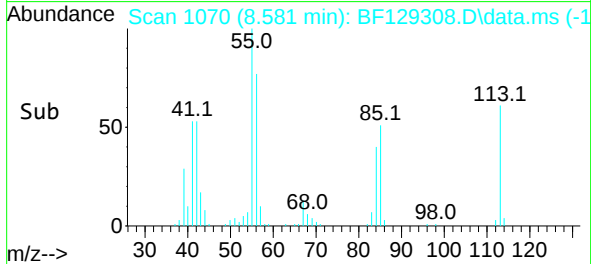
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:113 Resp: 1860
Ion Ratio Lower Upper
113 100
55 164.3 188.5 228.5
56 126.8 130.6 170.6

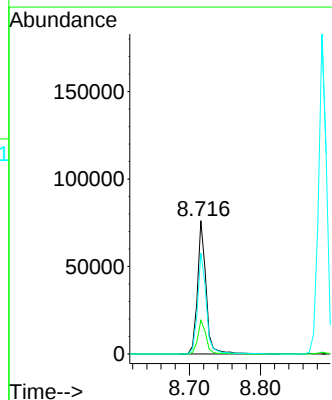
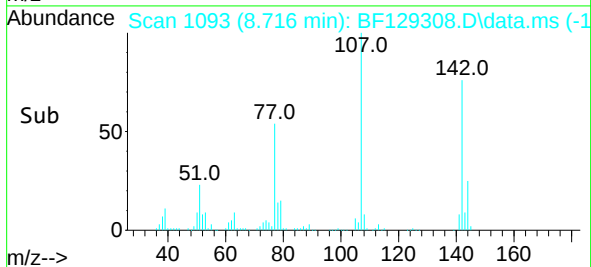
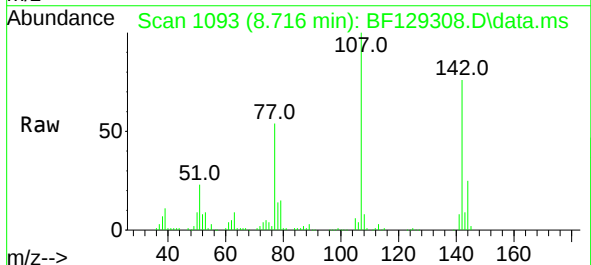
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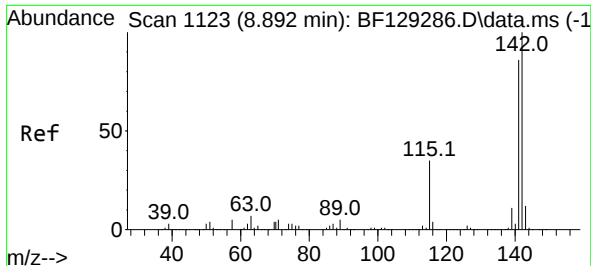
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#36
4-Chloro-3-methylphenol
Concen: 7.815 ng
RT: 8.716 min Scan# 1093
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

Tgt Ion:107 Resp: 63872
Ion Ratio Lower Upper
107 100
144 25.2 19.5 29.3
142 75.7 58.2 87.4





#37

2-Methylnaphthalene

Concen: 8.048 ng

RT: 8.887 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:142 Resp: 14236

Ion Ratio Lower Upper

142 100

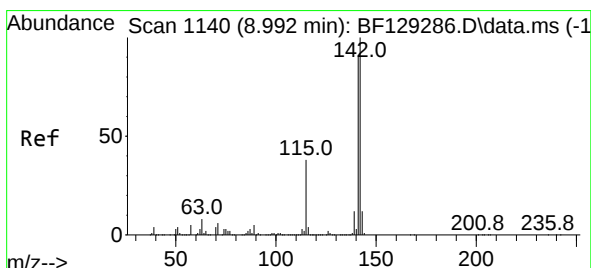
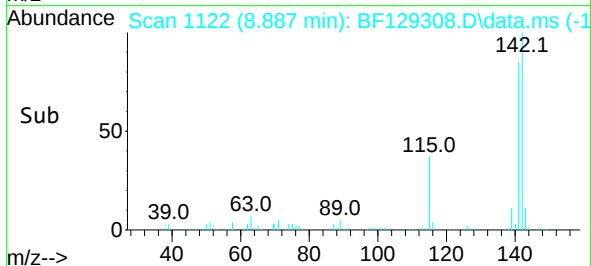
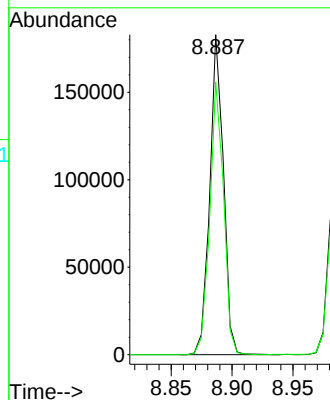
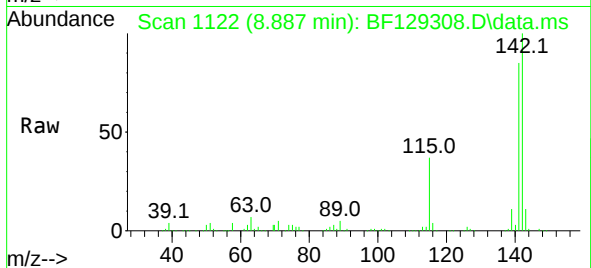
141 85.2 71.0 106.4

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Reviewed By :Christian Giraldo 07/25/2022

Supervised By :Jagrut Upadhyay 07/25/2022



#38

1-Methylnaphthalene

Concen: 7.723 ng

RT: 8.987 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF129308.D

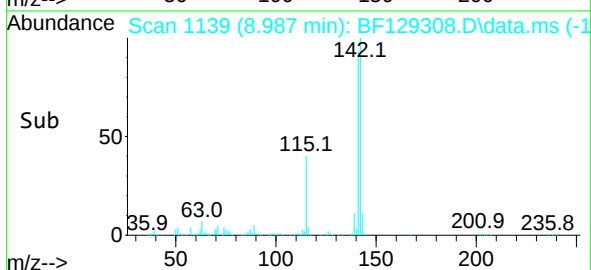
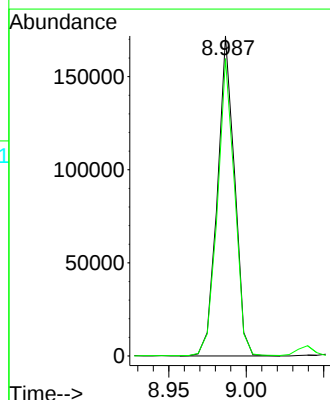
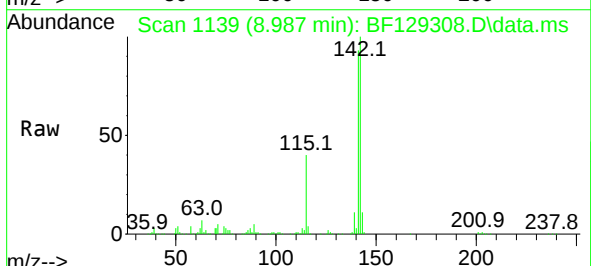
Acq: 22 Jul 2022 10:18

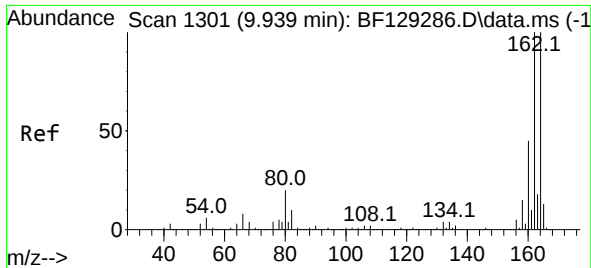
Tgt Ion:142 Resp: 132162

Ion Ratio Lower Upper

142 100

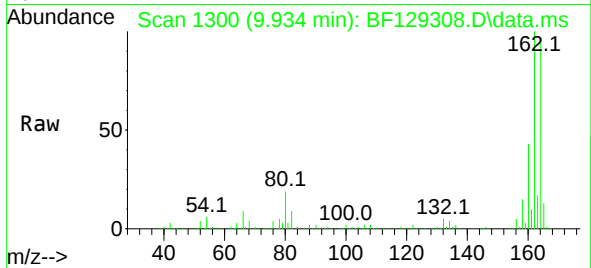
141 92.9 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

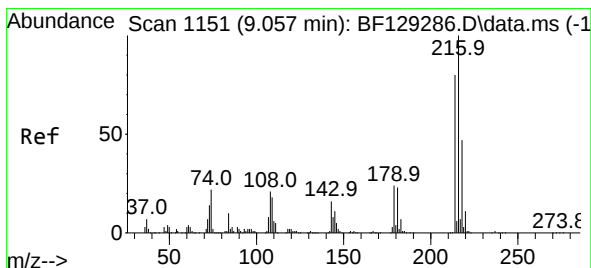
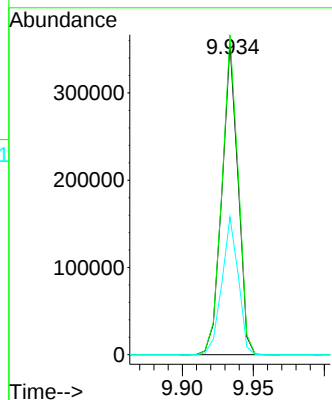
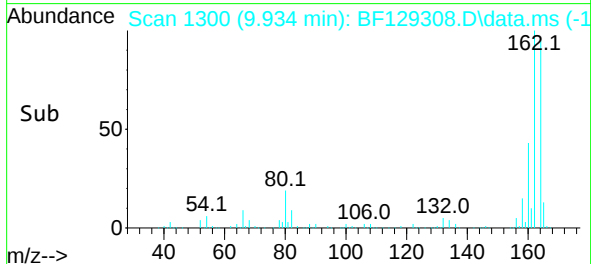
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



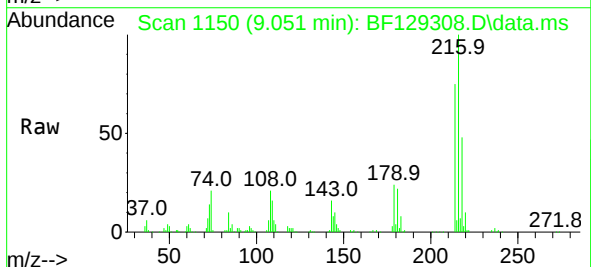
Tgt Ion:164 Resp: 280368
Ion Ratio Lower Upper
164 100
162 102.7 79.5 119.3
160 44.2 34.2 51.4

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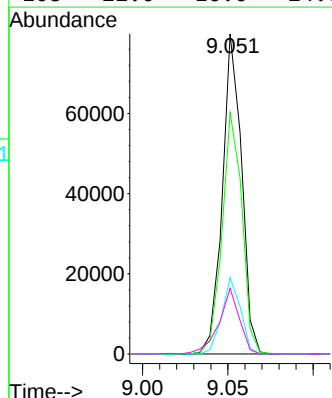
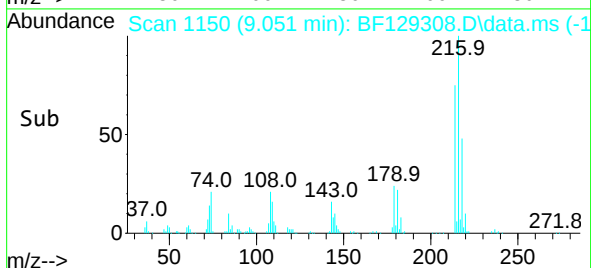
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.504 ng
RT: 9.051 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



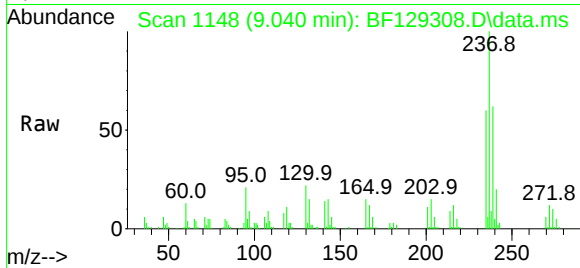
Tgt Ion:216 Resp: 62590
Ion Ratio Lower Upper
216 100
214 78.0 63.6 95.4
179 23.3 17.0 25.6
108 22.0 16.0 24.0





#41
Hexachlorocyclopentadiene
Concen: 8.514 ng
RT: 9.040 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

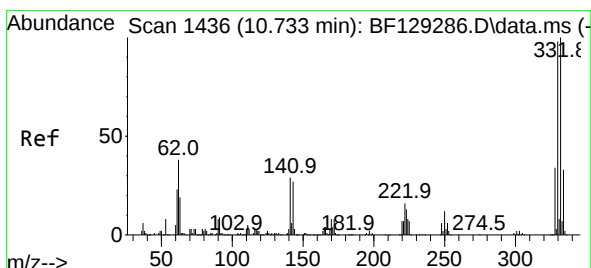
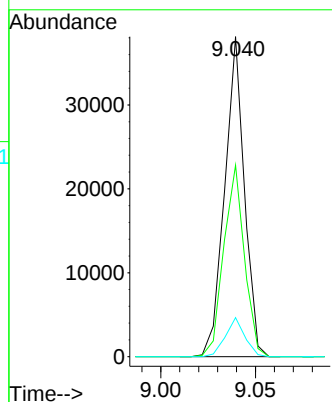
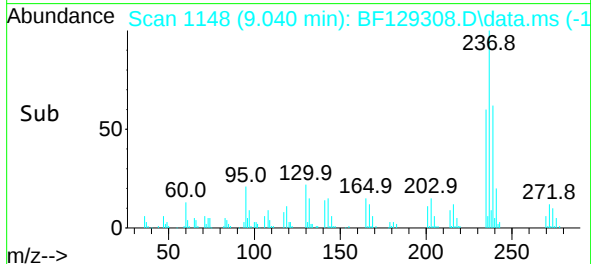
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



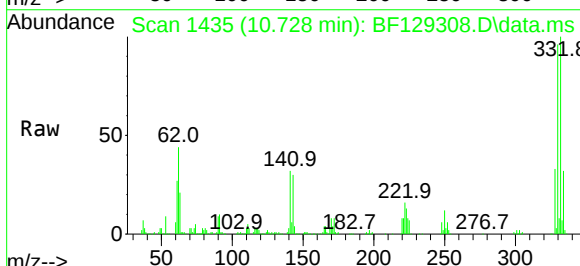
Tgt Ion: 237 Resp: 2762
Ion Ratio Lower Upper
237 100
235 59.8 43.2 83.2
272 12.2 0.0 31.9

Manual Integrations
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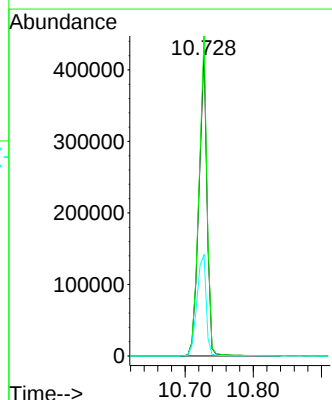
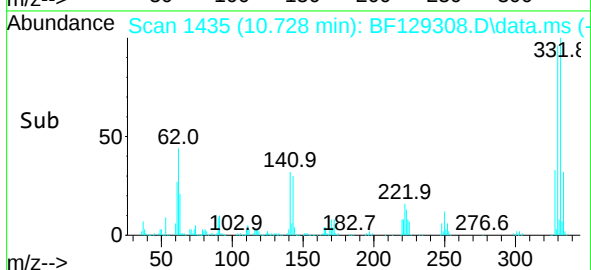
Reviewed By : Christian Giraldo 07/25/2022
Supervised By : Jagrut Upadhyay 07/25/2022

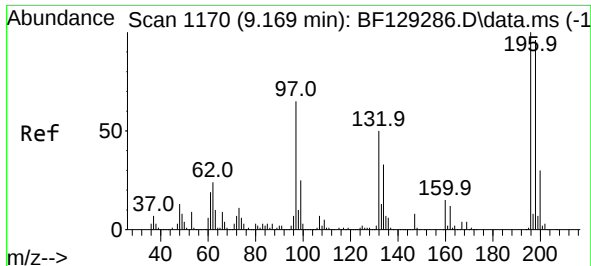


#42
2,4,6-Tribromophenol
Concen: 130.590 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



Tgt Ion: 330 Resp: 353242
Ion Ratio Lower Upper
330 100
332 103.5 76.8 115.2
141 37.6 28.0 42.0





#43

2,4,6-Trichlorophenol

Concen: 7.441 ng

RT: 9.163 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF129308.D

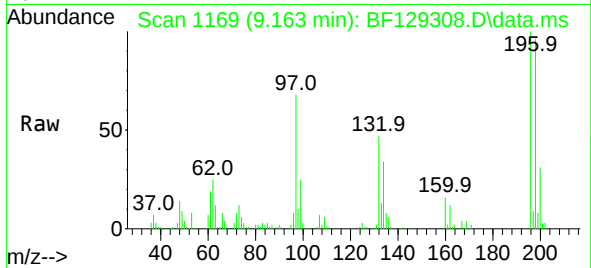
Acq: 22 Jul 2022 10:18

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022



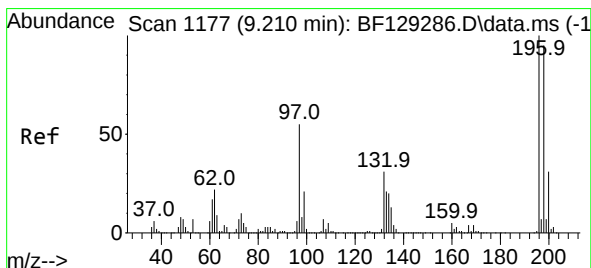
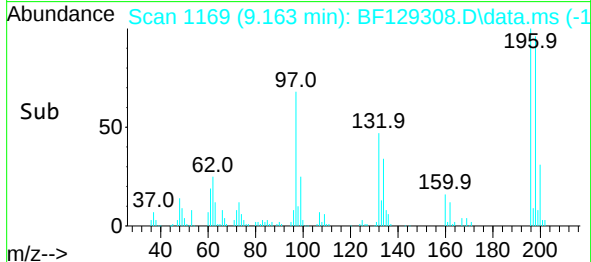
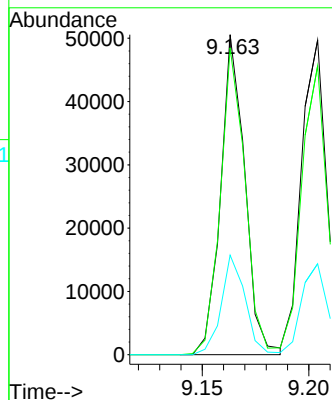
Tgt Ion:196	Resp:	4002
Ion Ratio	Lower	Upper
196	100	
198	95.9	74.0 111.0
200	31.1	24.1 36.1

Manual Integrations

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Reviewed By :Christian Giraldo 07/25/2022

Supervised By :Jagrut Upadhyay 07/25/2022



#44

2,4,5-Trichlorophenol

Concen: 7.566 ng

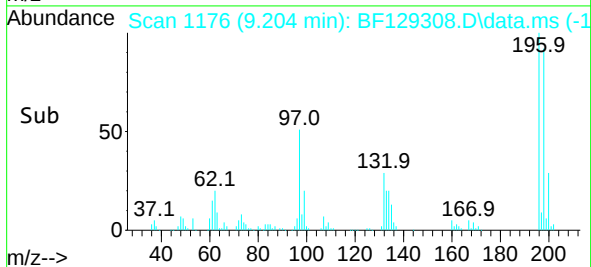
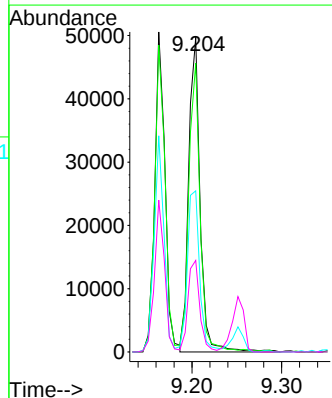
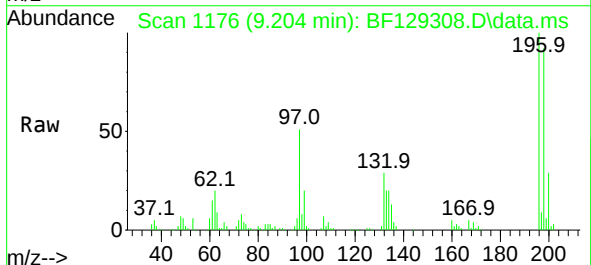
RT: 9.204 min Scan# 1176

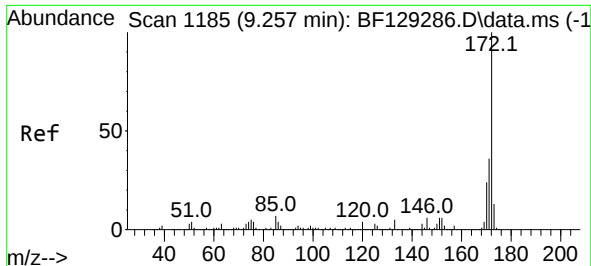
Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

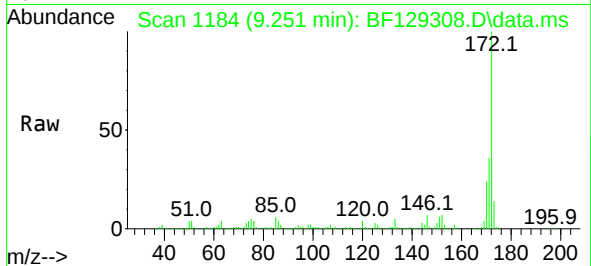
Tgt Ion:196	Resp:	44147
Ion Ratio	Lower	Upper
196	100	
198	91.8	75.7 113.5
97	51.2	36.4 54.6
132	29.1	20.7 31.1





#45
2-Fluorobiphenyl
Concen: 85.120 ng
RT: 9.251 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

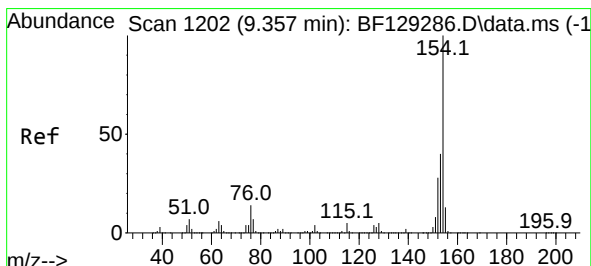
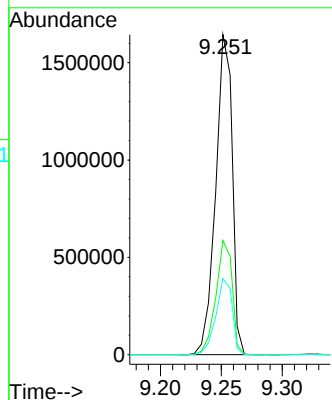
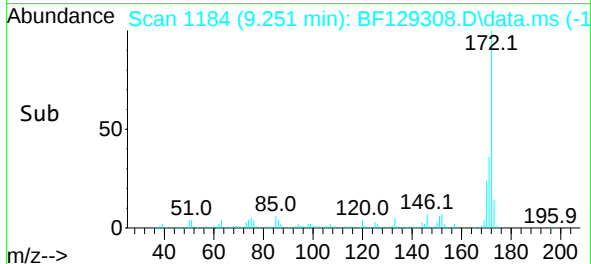
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:172 Resp: 1551324
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.8 19.8 29.8

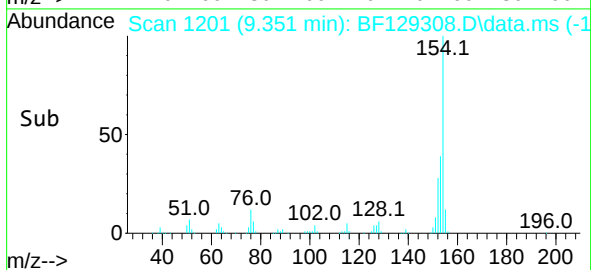
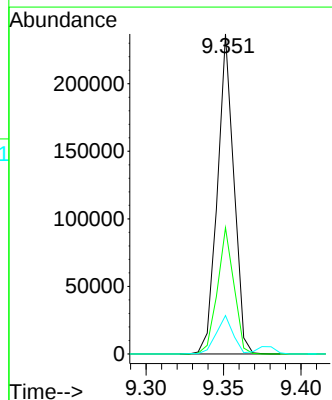
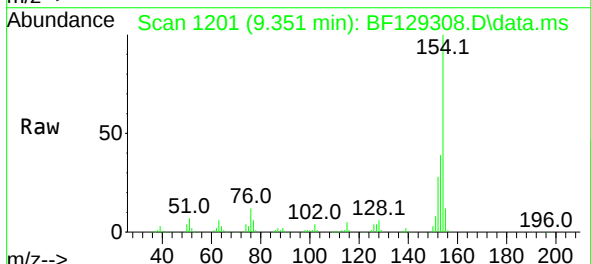
Manual Integrations
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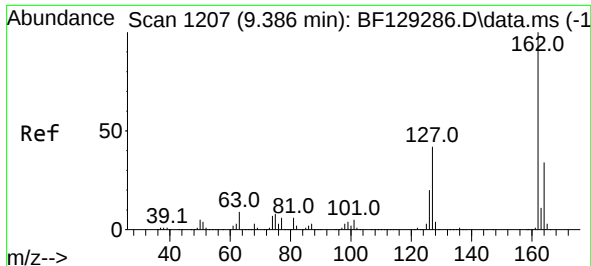
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#46
1,1'-Biphenyl
Concen: 8.429 ng
RT: 9.351 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

Tgt Ion:154 Resp: 174636
Ion Ratio Lower Upper
154 100
153 39.4 20.6 60.6
76 12.0 0.0 33.3





#47

2-Chloronaphthalene

Concen: 7.974 ng

RT: 9.381 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF129308.D

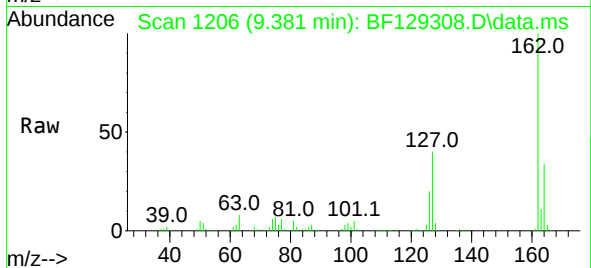
Acq: 22 Jul 2022 10:18

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022



Tgt Ion:162 Resp: 13232

Ion Ratio Lower Upper

162 100

127 40.3 34.5 51.7

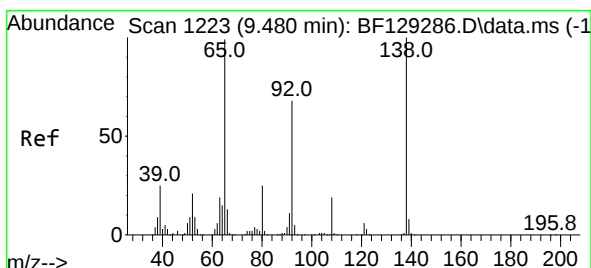
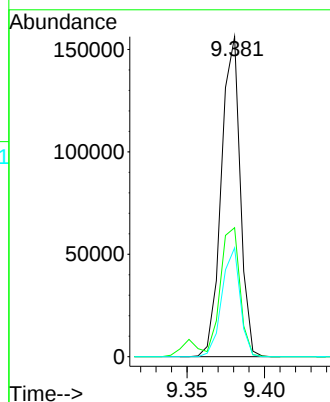
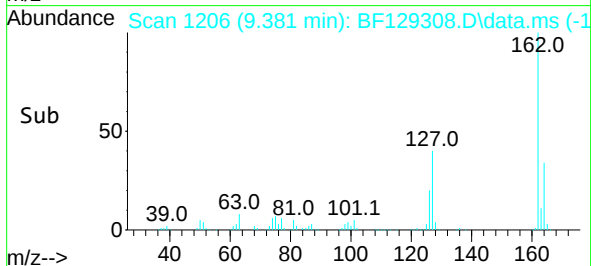
164 34.0 26.5 39.7

Manual Integrations

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Reviewed By :Christian Giraldo 07/25/2022

Supervised By :Jagrut Upadhyay 07/25/2022



#48

2-Nitroaniline

Concen: 7.456 ng

RT: 9.469 min Scan# 1221

Delta R.T. -0.012 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

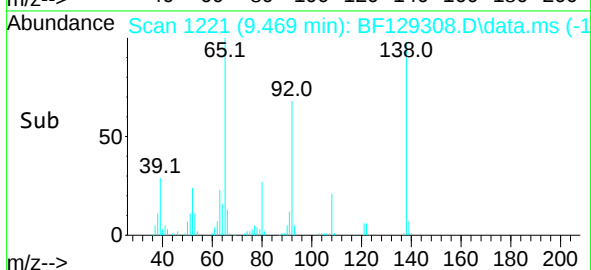
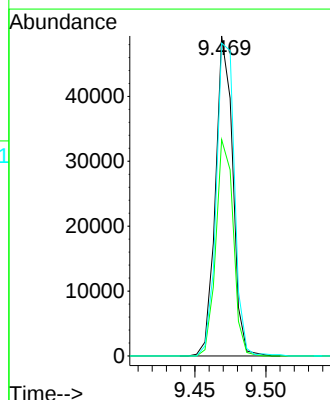
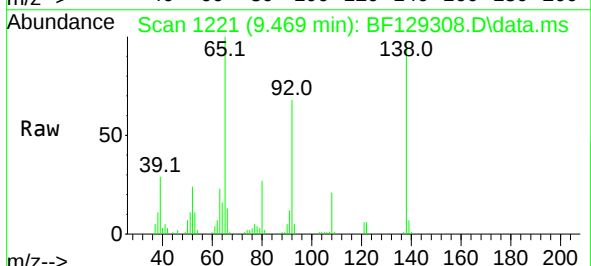
Tgt Ion: 65 Resp: 41556

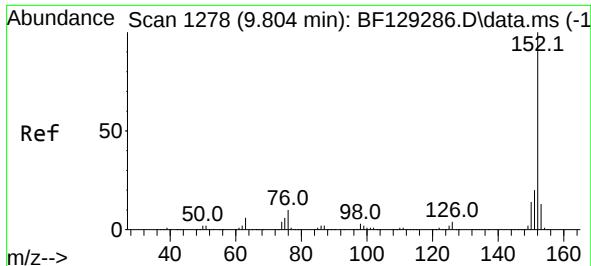
Ion Ratio Lower Upper

65 100

92 67.6 51.9 77.9

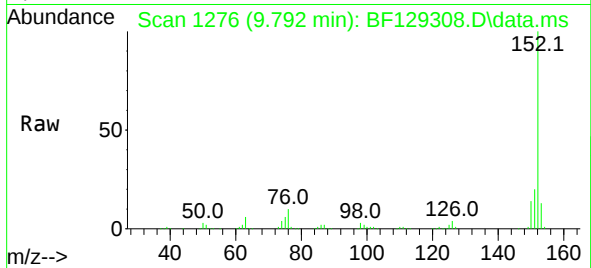
138 97.7 76.4 114.6





#49
Acenaphthylene
Concen: 8.485 ng
RT: 9.792 min Scan# 1276
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

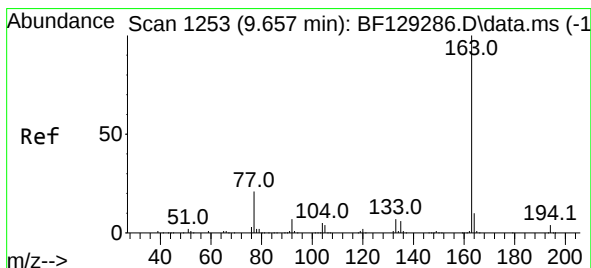
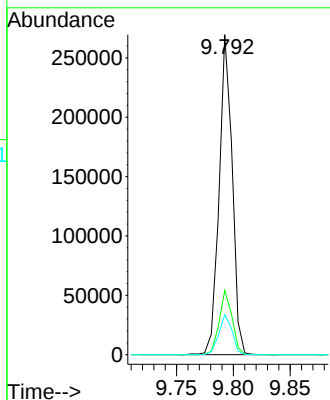
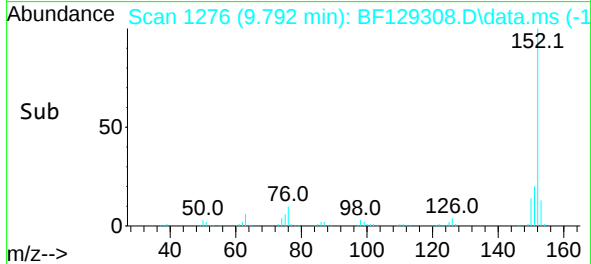
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



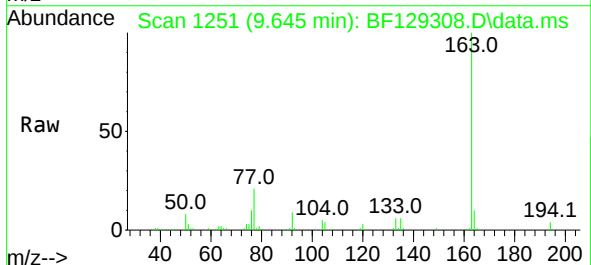
Tgt Ion:152 Resp: 21622
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.4
153 12.5 10.7 16.1

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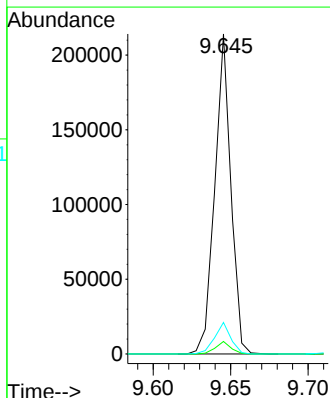
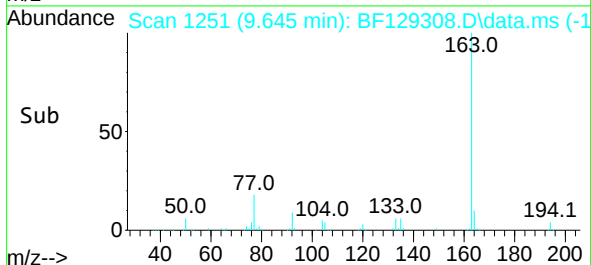
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

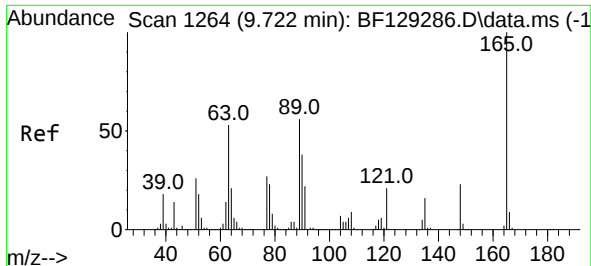


#50
Dimethylphthalate
Concen: 8.012 ng
RT: 9.645 min Scan# 1251
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



Tgt Ion:163 Resp: 154325
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 9.8 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 7.790 ng

RT: 9.710 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

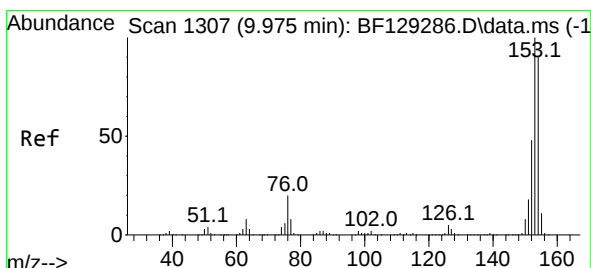
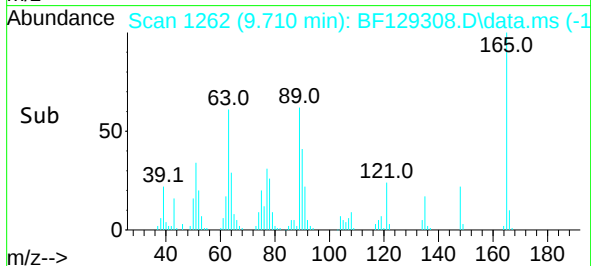
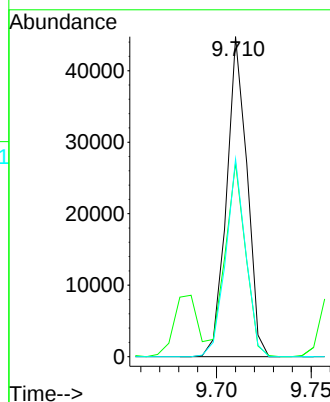
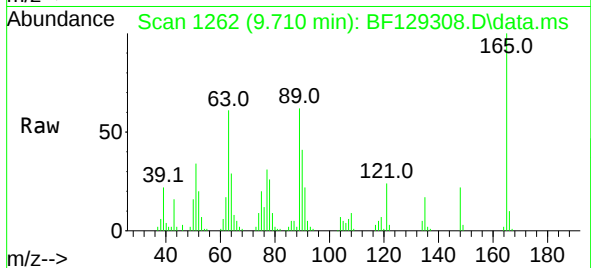
Tgt Ion:165 Resp: 33590
 Ion Ratio Lower Upper
 165 100
 63 60.6 44.9 67.3
 89 61.8 43.6 65.4

Manual Integrations

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Reviewed By :Christian Giraldo 07/25/2022

Supervised By :Jagrut Upadhyay 07/25/2022



#52

Acenaphthene

Concen: 7.842 ng

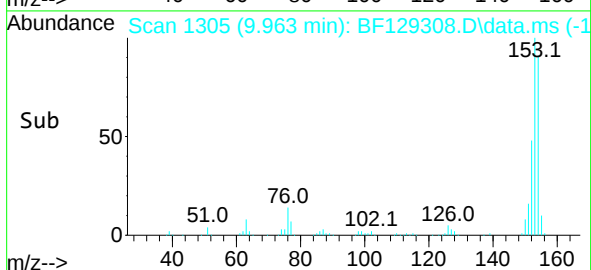
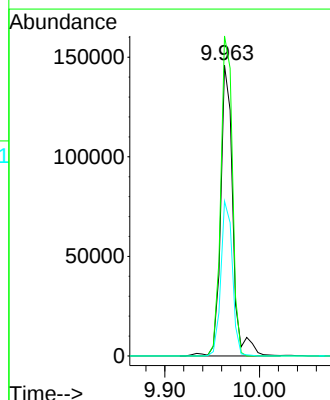
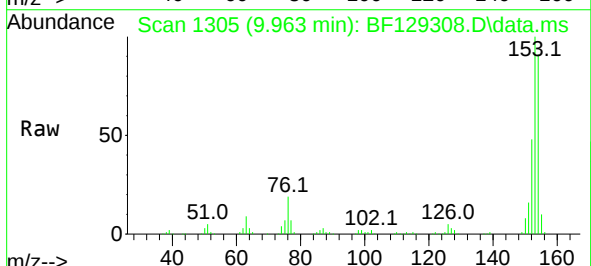
RT: 9.963 min Scan# 1305

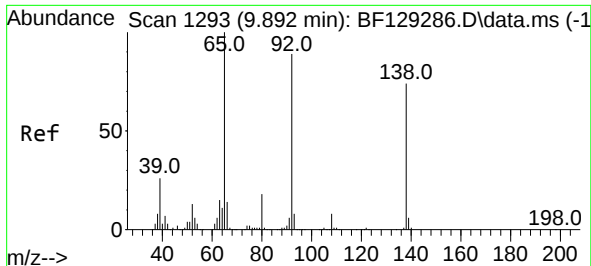
Delta R.T. -0.012 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

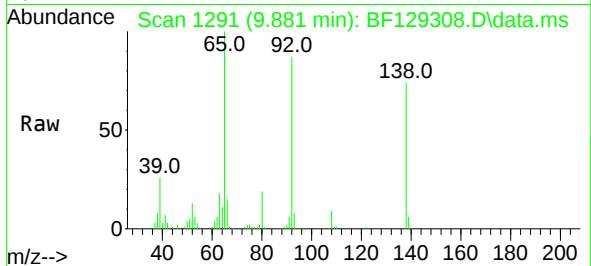
Tgt Ion:154 Resp: 129697
 Ion Ratio Lower Upper
 154 100
 153 110.0 89.6 134.4
 152 53.2 42.4 63.6





#53
3-Nitroaniline
Concen: 7.278 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

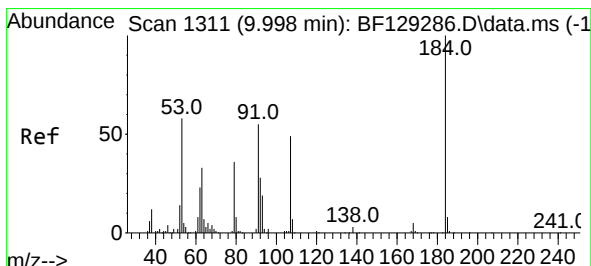
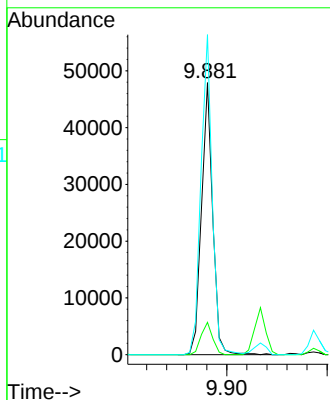
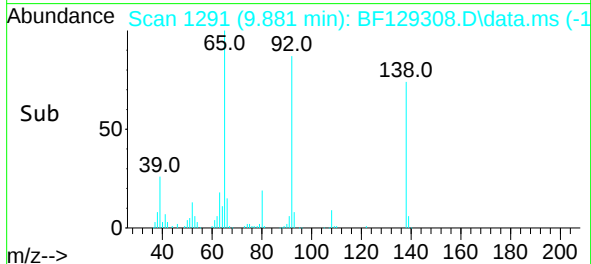
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:138 Resp: 37350
Ion Ratio Lower Upper
138 100
108 11.9 10.9 16.3
92 117.7 98.2 147.2

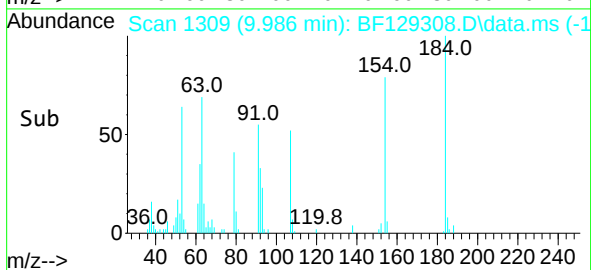
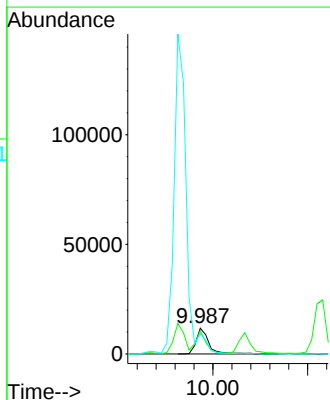
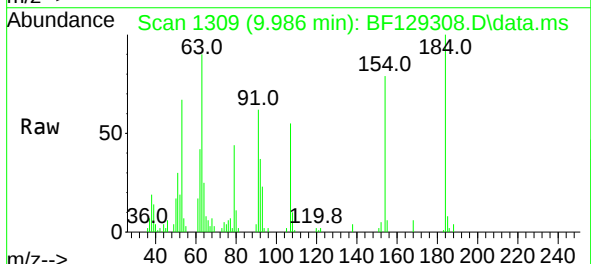
Manual Integrations
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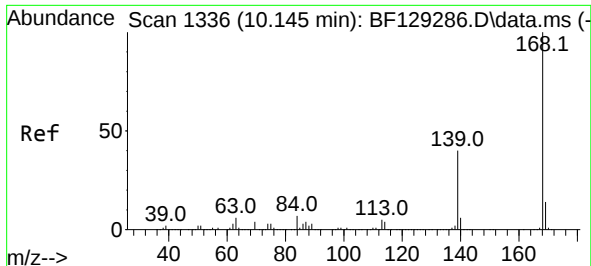
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#54
2,4-Dinitrophenol
Concen: 4.979 ng
RT: 9.986 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

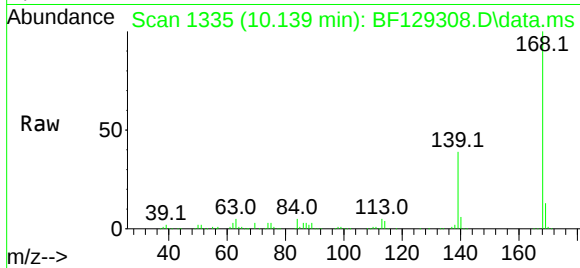
Tgt Ion:184 Resp: 10867
Ion Ratio Lower Upper
184 100
63 90.0 64.5 96.7
154 79.0 50.6 75.8#





#55
Dibenzenofuran
Concen: 8.289 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

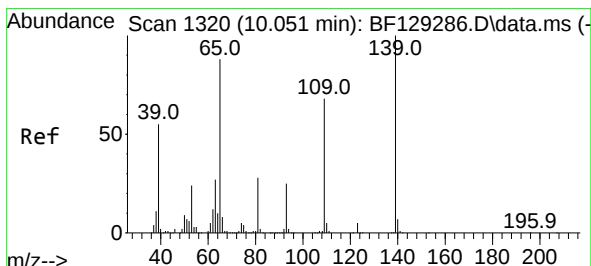
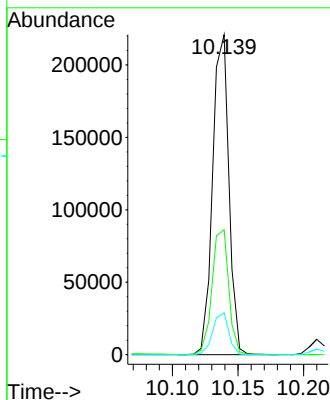
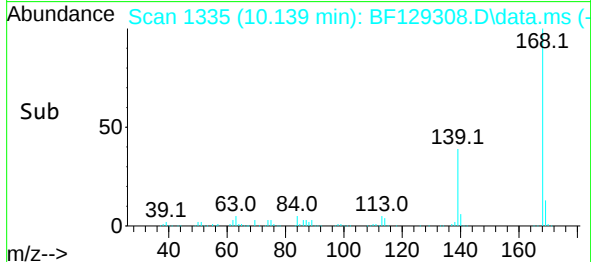
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



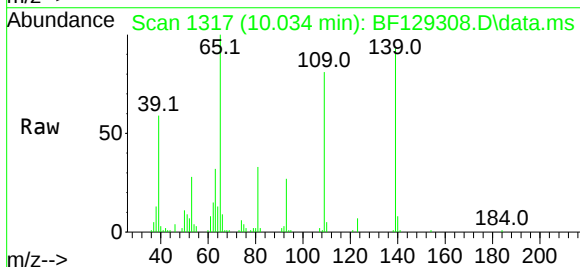
Tgt Ion:168 Resp: 190508
Ion Ratio Lower Upper
168 100
139 39.1 30.6 46.0
169 13.1 11.0 16.6

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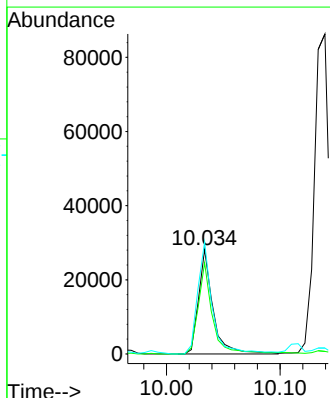
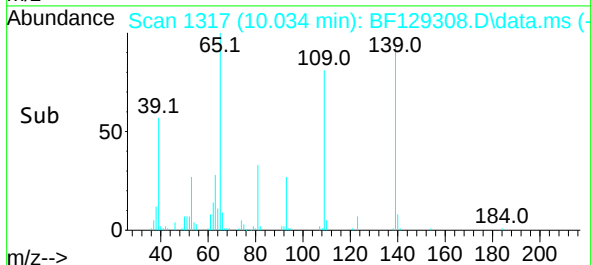
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

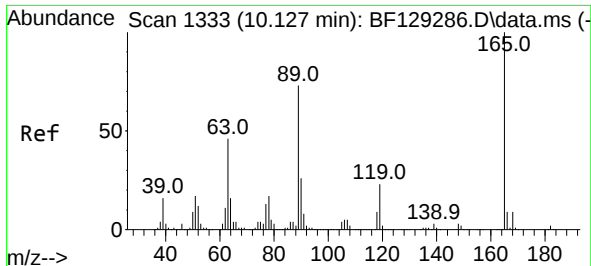


#56
4-Nitrophenol
Concen: 6.673 ng
RT: 10.034 min Scan# 1317
Delta R.T. -0.017 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



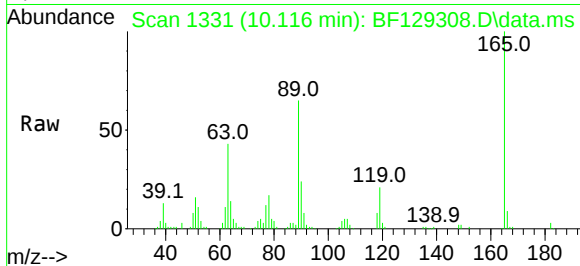
Tgt Ion:139 Resp: 25008
Ion Ratio Lower Upper
139 100
109 87.3 50.7 90.7
65 107.3 74.5 114.5





#57
2,4-Dinitrotoluene
Concen: 7.948 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

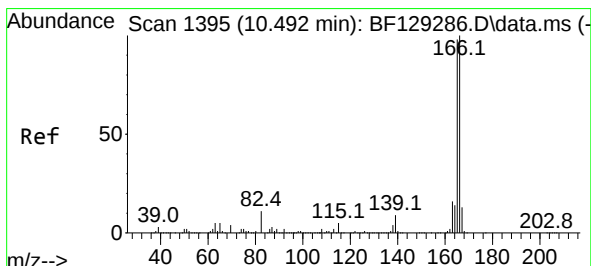
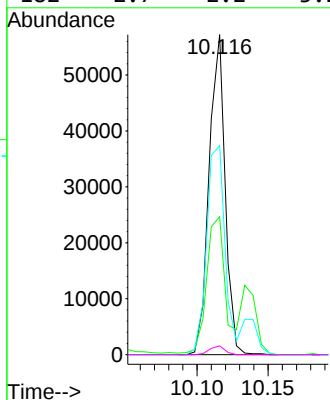
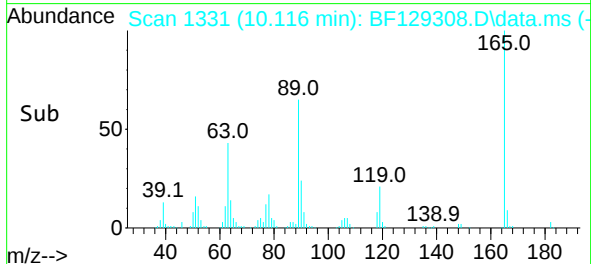
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



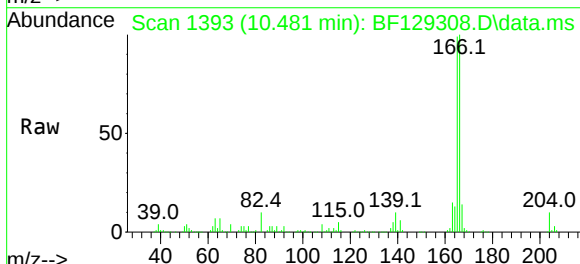
Tgt Ion:165 Resp: 4493
Ion Ratio Lower Upper
165 100
63 43.1 39.8 59.6
89 65.4 60.2 90.2
182 2.7 2.2 3.2

Manual Integrations
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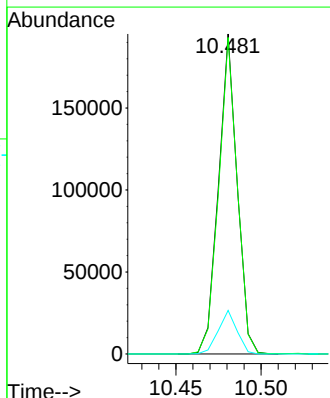
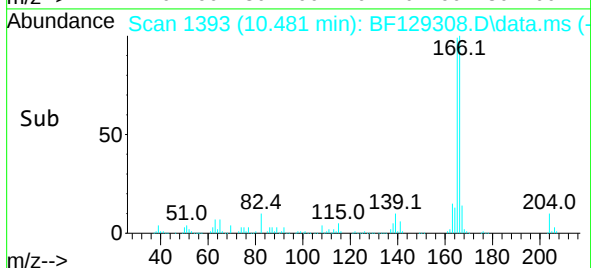
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

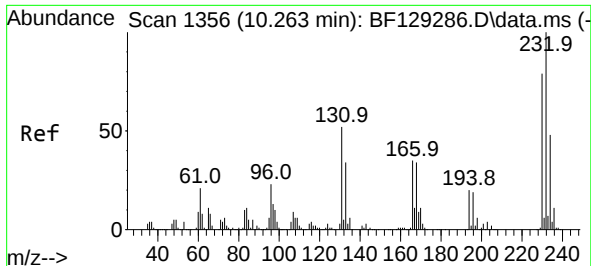


#58
Fluorene
Concen: 8.092 ng
RT: 10.481 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



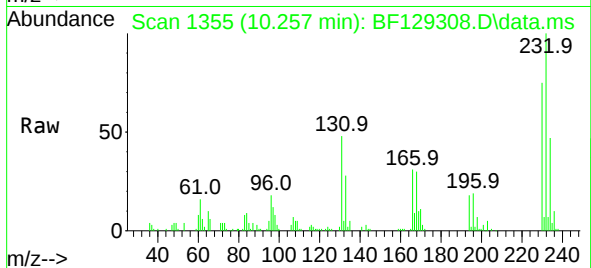
Tgt Ion:166 Resp: 148441
Ion Ratio Lower Upper
166 100
165 98.9 78.1 117.1
167 13.6 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.166 ng m
RT: 10.257 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

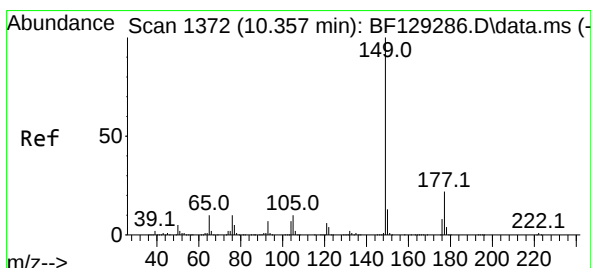
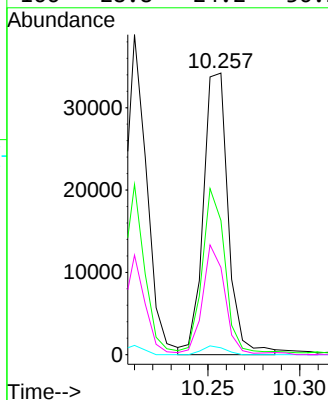
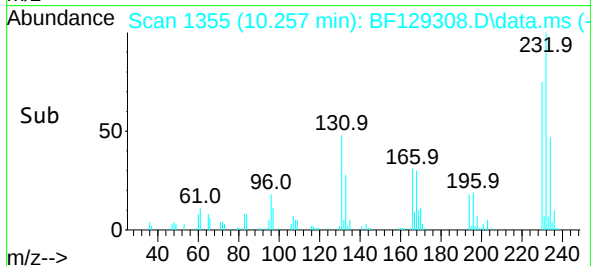
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:232 Resp: 32234
Ion Ratio Lower Upper
232 100
131 49.5 36.1 54.1
130 2.6 1.8 2.8
166 28.8 24.2 36.2

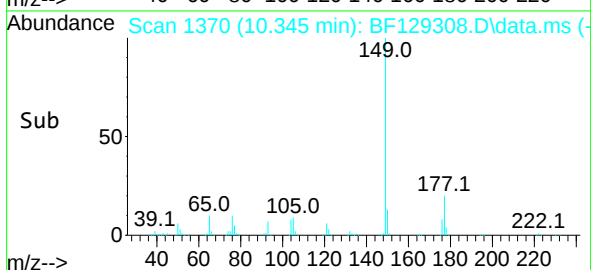
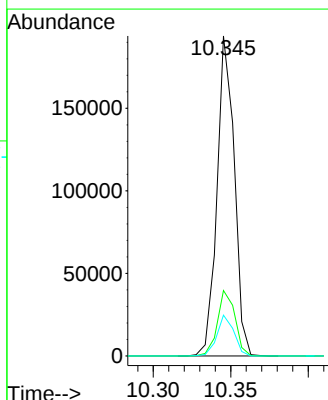
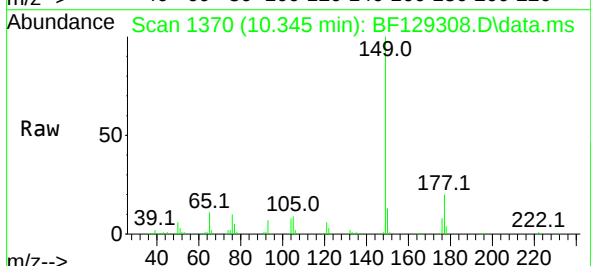
Manual Integrations
APPROVED

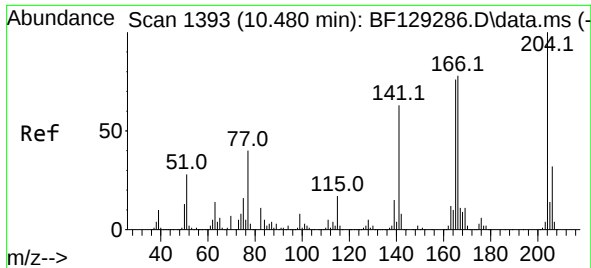
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#60
Diethylphthalate
Concen: 8.111 ng
RT: 10.345 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

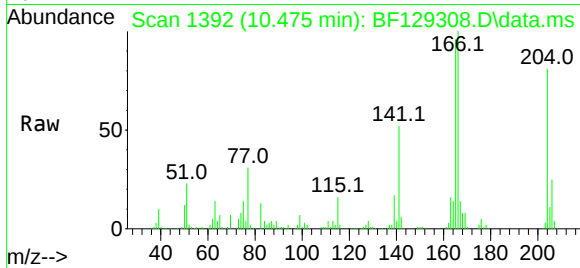
Tgt Ion:149 Resp: 150309
Ion Ratio Lower Upper
149 100
177 20.4 17.3 25.9
150 12.8 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 8.230 ng
RT: 10.475 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

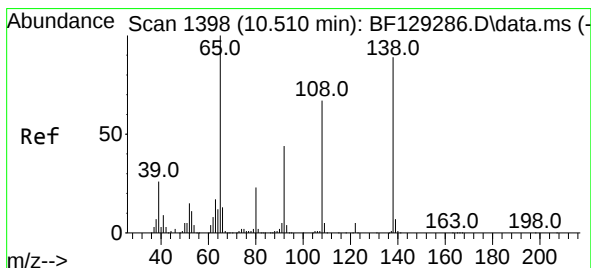
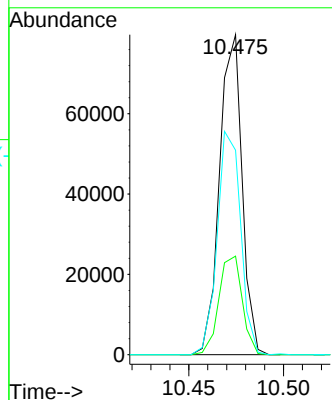
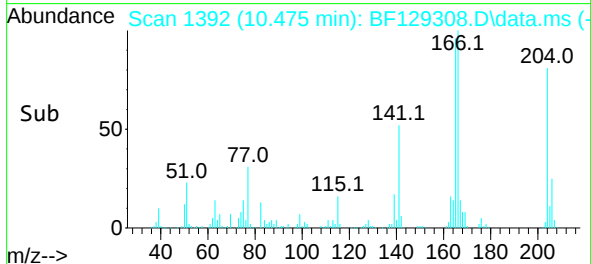
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



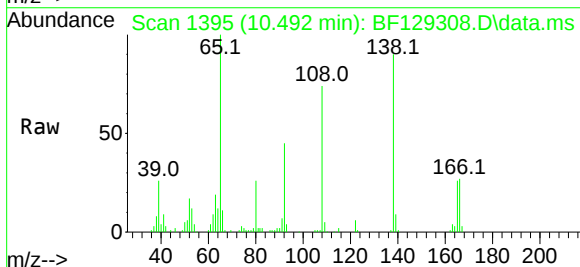
Tgt Ion:204 Resp: 66040
Ion Ratio Lower Upper
204 100
206 30.8 25.8 38.6
141 63.9 47.0 70.4

Manual Integrations
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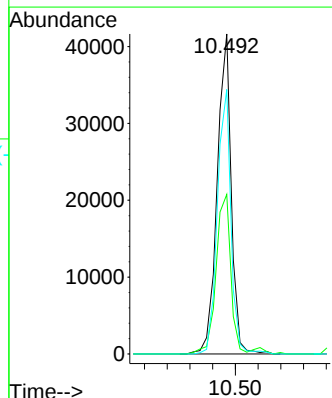
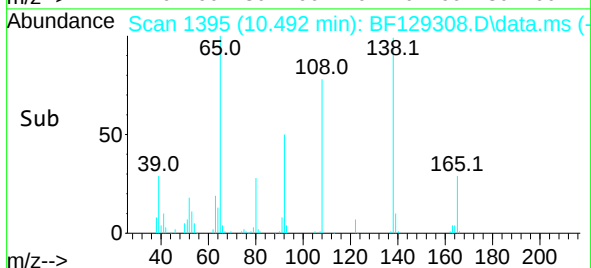
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

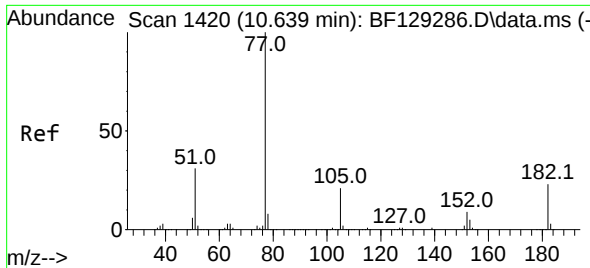


#62
4-Nitroaniline
Concen: 7.077 ng
RT: 10.492 min Scan# 1395
Delta R.T. -0.017 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



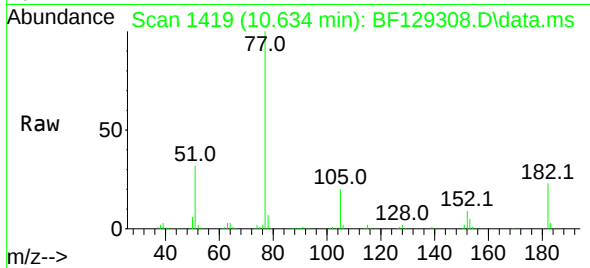
Tgt Ion:138 Resp: 35869
Ion Ratio Lower Upper
138 100
92 49.8 33.5 73.5
108 82.7 61.0 101.0





#63
Azobenzene
Concen: 7.858 ng
RT: 10.634 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

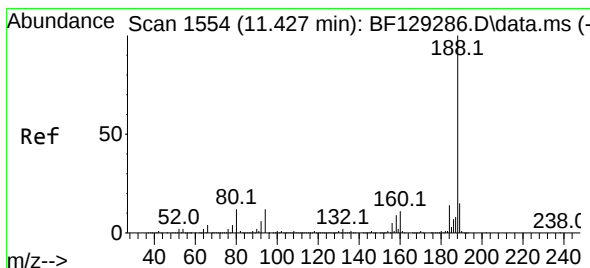
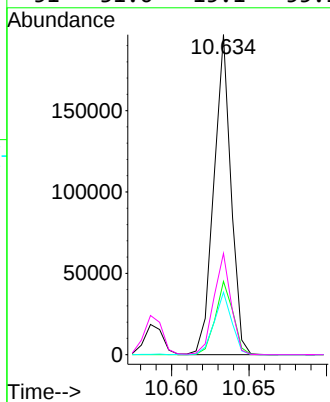
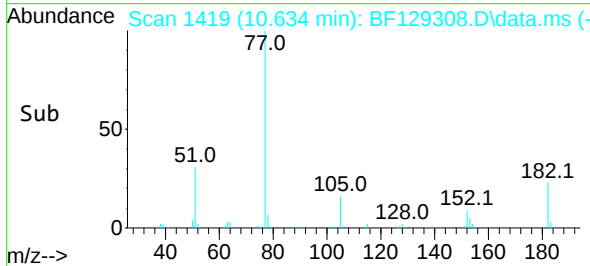
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



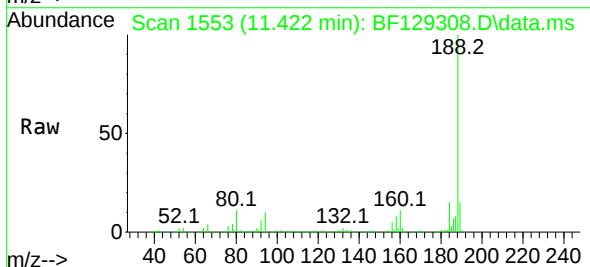
Tgt Ion: 77 Resp: 150658
Ion Ratio Lower Upper
77 100
182 22.9 5.6 45.6
105 19.5 1.6 41.6
51 31.6 15.1 55.1

Manual Integrations
APPROVED

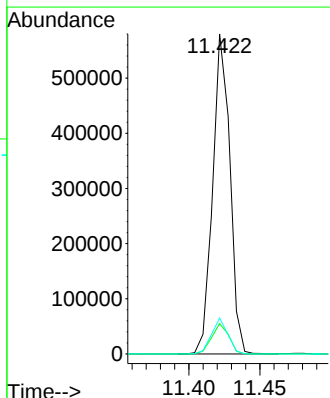
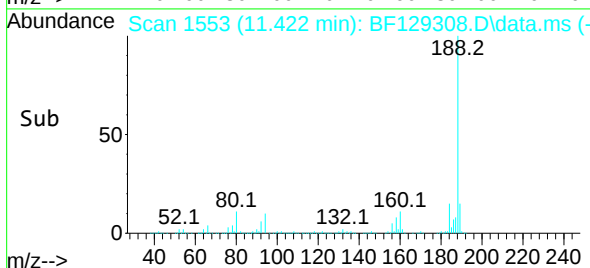
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

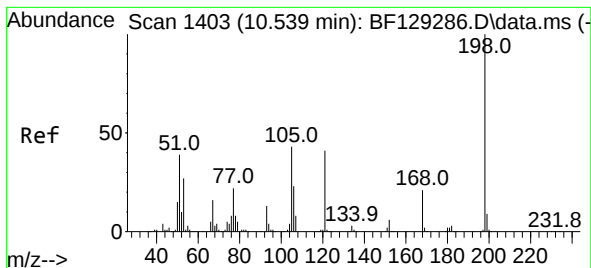


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



Tgt Ion:188 Resp: 488003
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.6
80 11.2 7.6 11.4





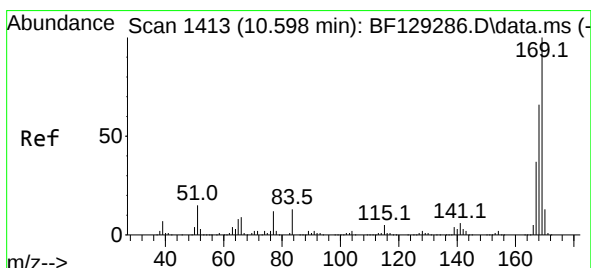
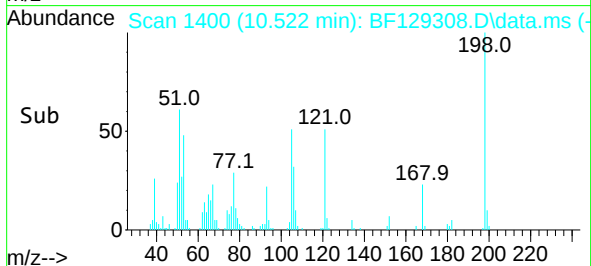
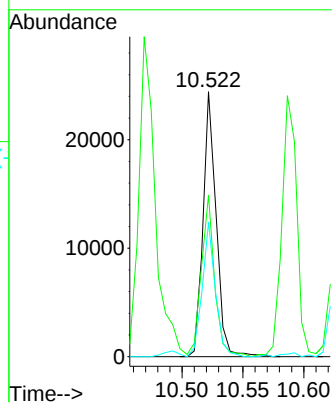
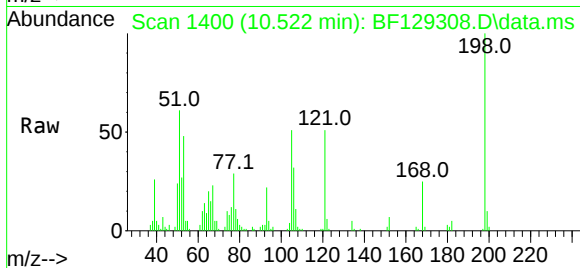
#65
4,6-Dinitro-2-methylphenol
Concen: 6.136 ng
RT: 10.522 min Scan# 1403
Delta R.T. -0.017 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:198 Resp: 18418
Ion Ratio Lower Upper
198 100
51 60.9 37.6 77.6
105 50.7 27.0 67.0

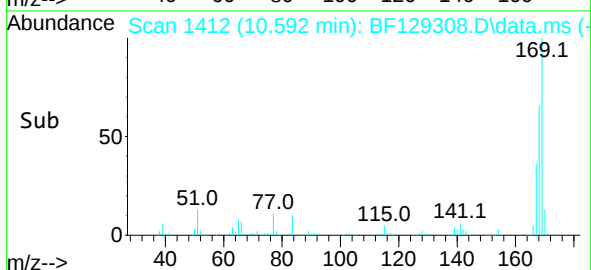
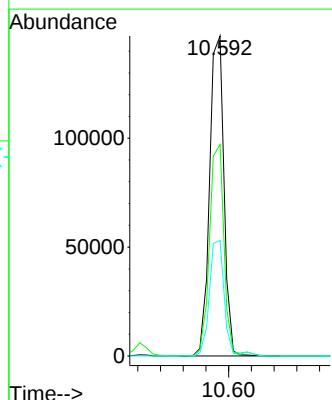
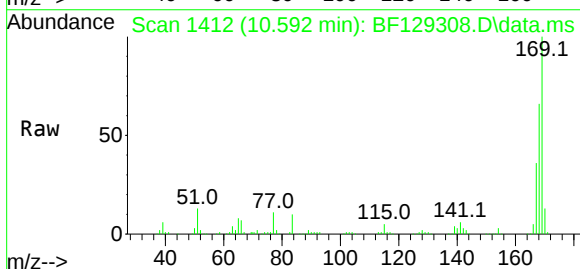
Manual Integrations
APPROVED

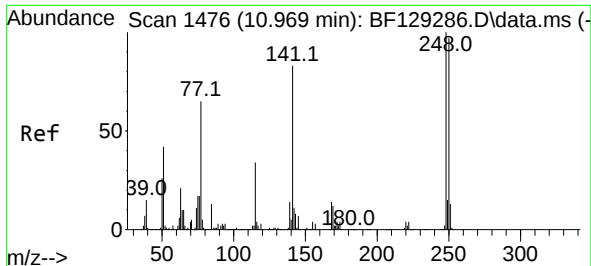
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#66
n-Nitrosodiphenylamine
Concen: 7.953 ng
RT: 10.592 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

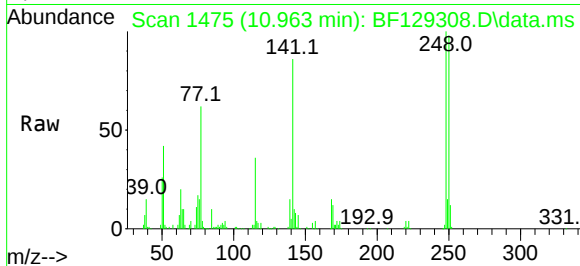
Tgt Ion:169 Resp: 128305
Ion Ratio Lower Upper
169 100
168 66.1 50.1 75.1
167 36.1 27.9 41.9





#67
4-Bromophenyl-phenylether
Concen: 7.913 ng
RT: 10.963 min Scan# 1475
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

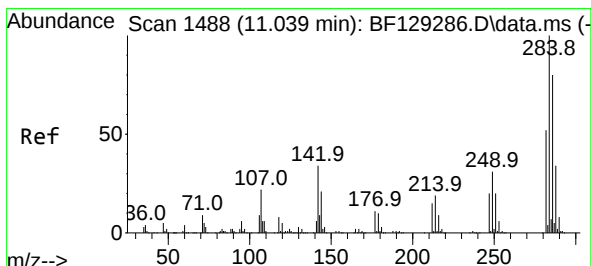
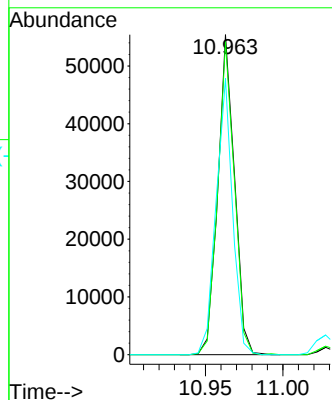
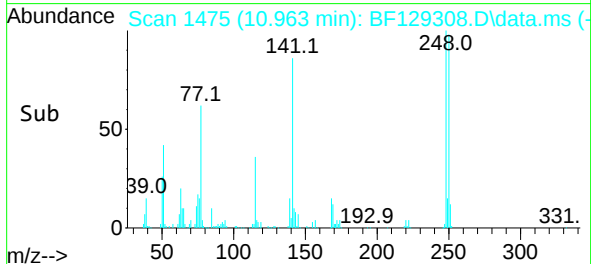
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



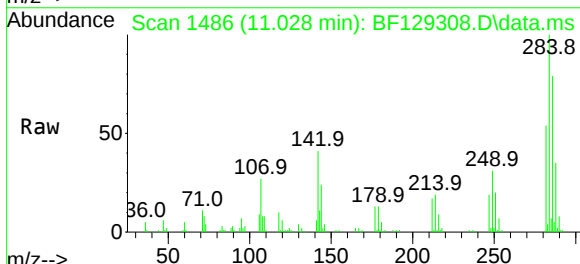
Tgt Ion:248 Resp: 4166
Ion Ratio Lower Upper
248 100
250 97.8 80.6 120.8
141 86.3 58.9 88.3

Manual Integrations
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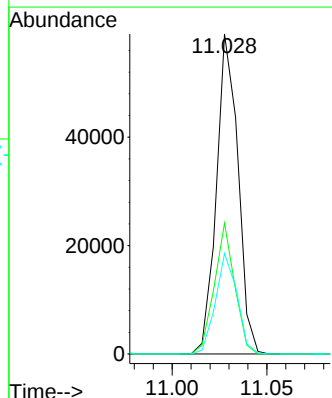
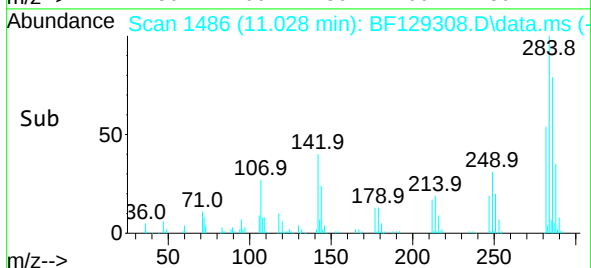
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

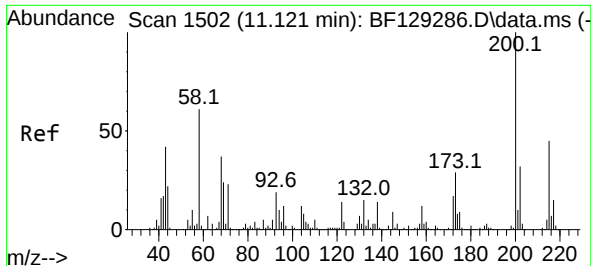


#68
Hexachlorobenzene
Concen: 8.097 ng
RT: 11.028 min Scan# 1486
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



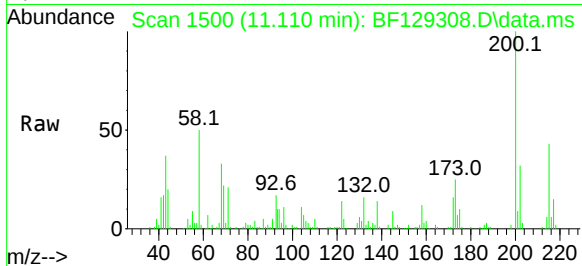
Tgt Ion:284 Resp: 46695
Ion Ratio Lower Upper
284 100
142 40.9 29.0 43.4
249 31.4 25.0 37.6





#69
 Atrazine
 Concen: 8.304 ng
 RT: 11.110 min Scan# 1110
 Delta R.T. -0.012 min
 Lab File: BF129308.D
 Acq: 22 Jul 2022 10:18

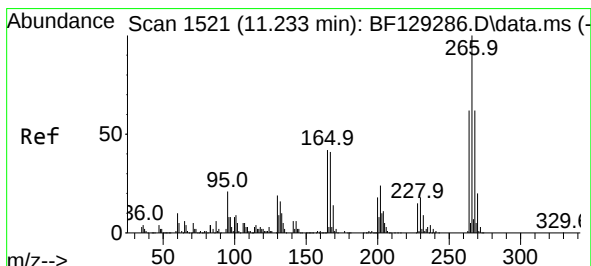
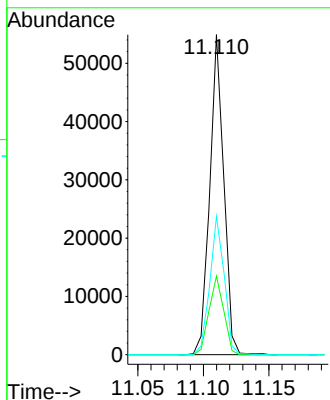
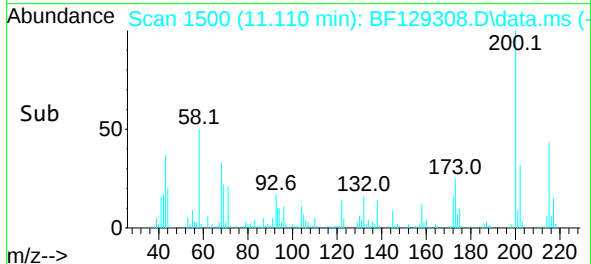
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



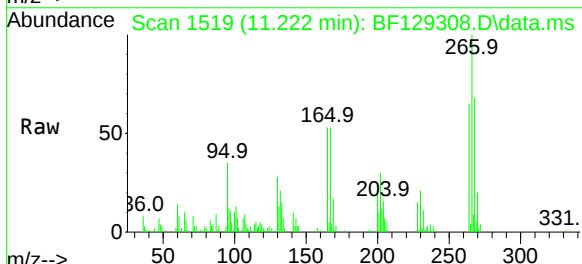
Tgt Ion:200 Resp: 40944
 Ion Ratio Lower Upper
 200 100
 173 24.6 6.3 46.3
 215 43.2 28.3 68.3

Manual Integrations
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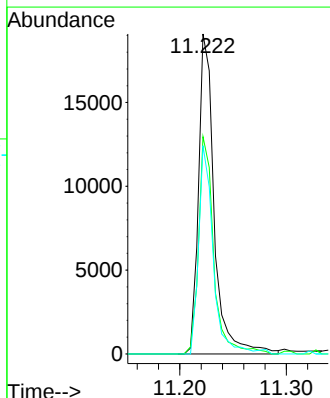
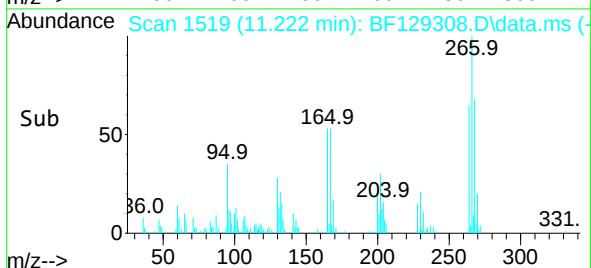
Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022

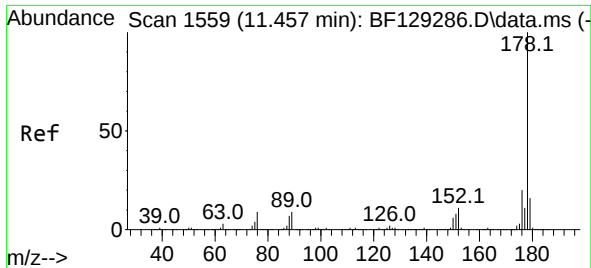


#70
 Pentachlorophenol
 Concen: 6.187 ng
 RT: 11.222 min Scan# 1519
 Delta R.T. -0.012 min
 Lab File: BF129308.D
 Acq: 22 Jul 2022 10:18



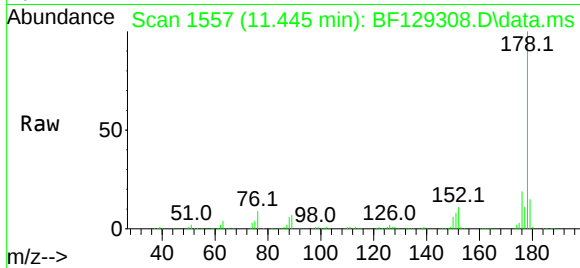
Tgt Ion:266 Resp: 19615
 Ion Ratio Lower Upper
 266 100
 268 67.9 51.0 76.4
 264 65.1 49.4 74.2





#71
Phenanthrene
Concen: 8.121 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

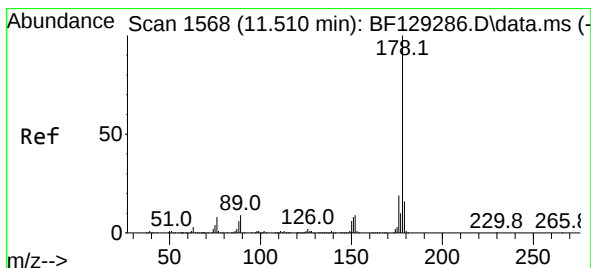
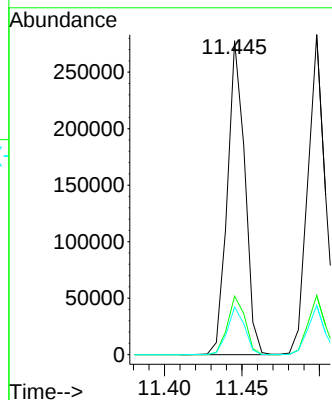
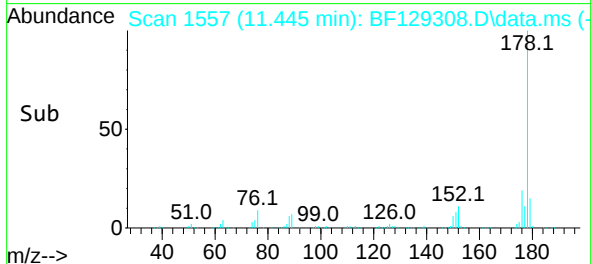
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



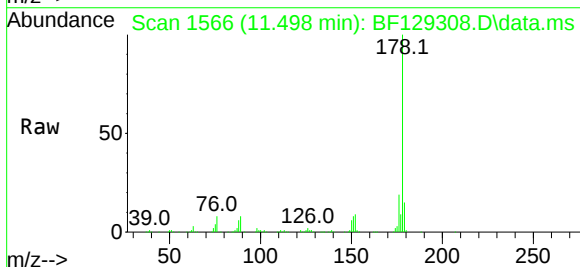
Tgt Ion:178 Resp: 217520
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.2 12.6 19.0

Manual Integrations
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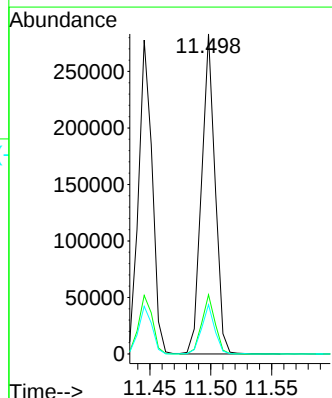
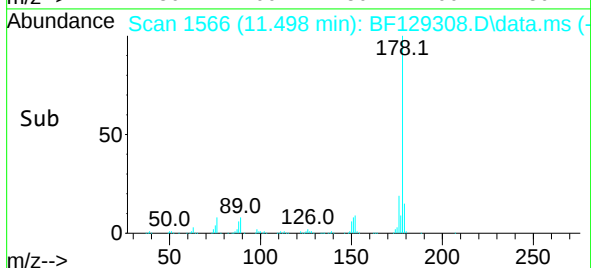
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

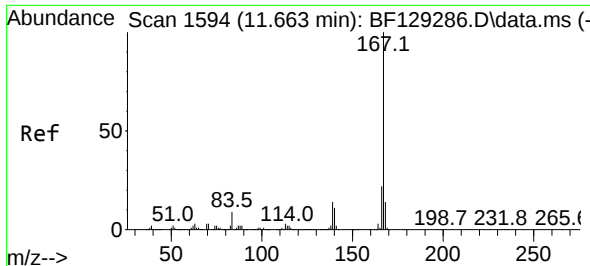


#72
Anthracene
Concen: 8.266 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



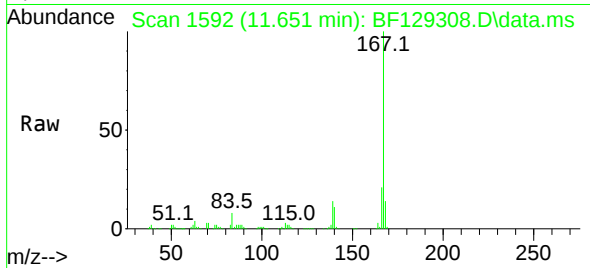
Tgt Ion:178 Resp: 219381
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.4 12.6 19.0





#73
 Carbazole
 Concen: 8.118 ng
 RT: 11.651 min Scan# 1594
 Delta R.T. -0.012 min
 Lab File: BF129308.D
 Acq: 22 Jul 2022 10:18

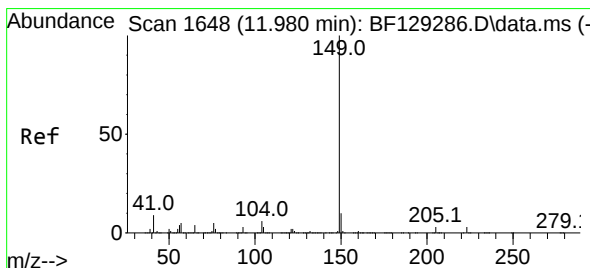
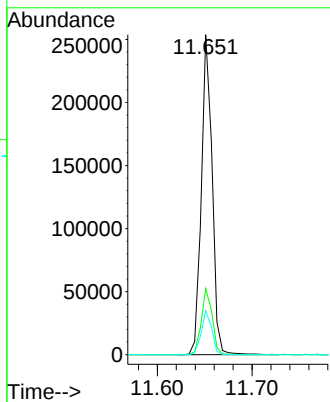
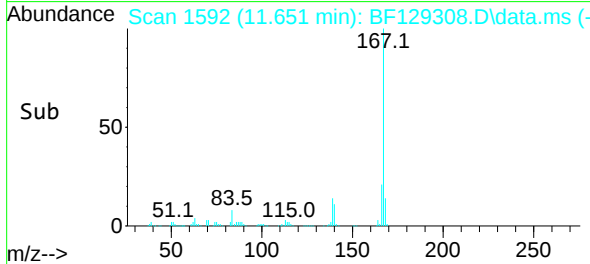
Instrument : BNA_F
 ClientSampleId : MDL-SOIL-03-QT2-2022



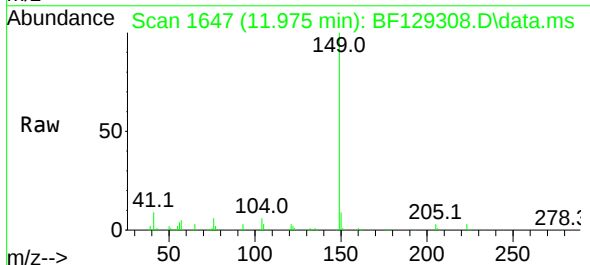
Tgt Ion:167 Resp: 200983
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.7 26.5
 139 13.6 11.2 16.8

Manual Integrations
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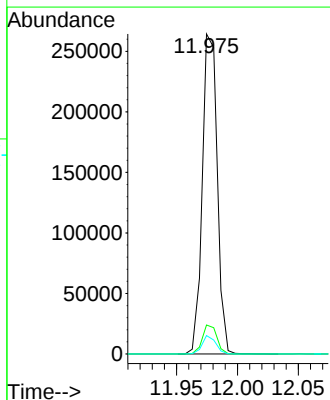
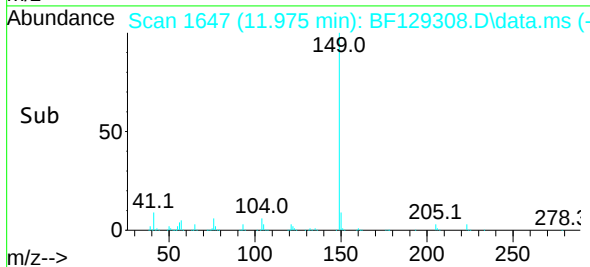
Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022

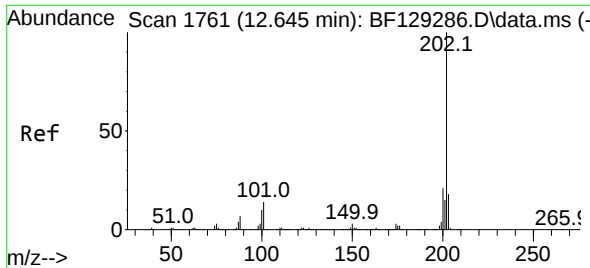


#74
 Di-n-butylphthalate
 Concen: 7.906 ng
 RT: 11.975 min Scan# 1647
 Delta R.T. -0.006 min
 Lab File: BF129308.D
 Acq: 22 Jul 2022 10:18



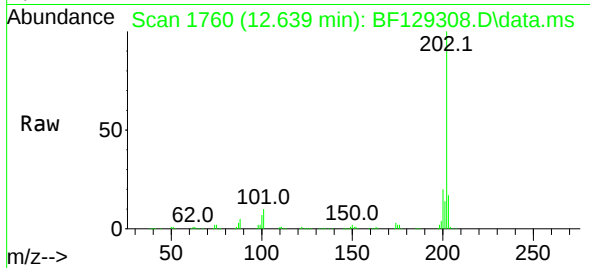
Tgt Ion:149 Resp: 226161
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.5 11.3
 104 5.7 4.4 6.6





#75
Fluoranthene
Concen: 8.111 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

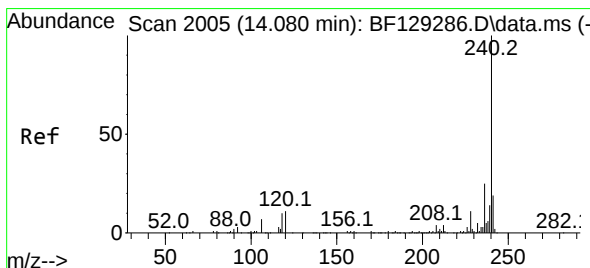
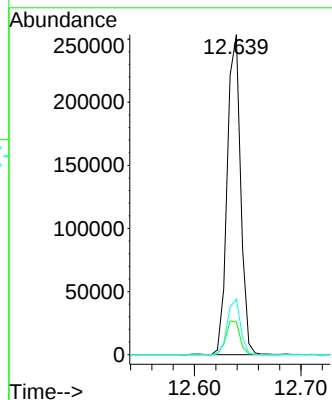
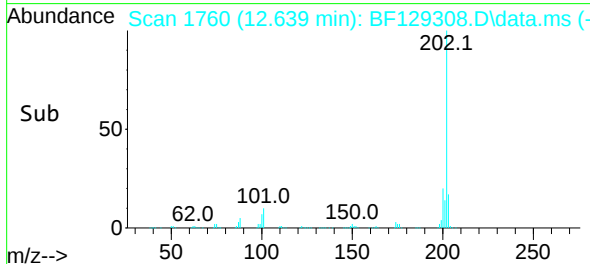
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



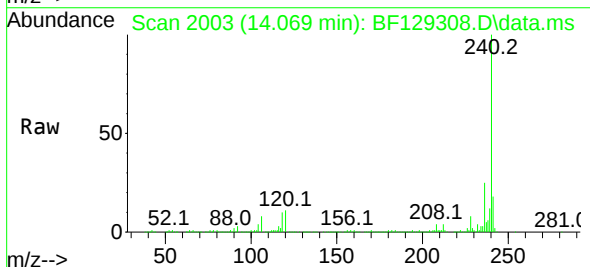
Tgt Ion:202 Resp: 22140
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.4
203 17.3 0.0 38.0

Manual Integrations
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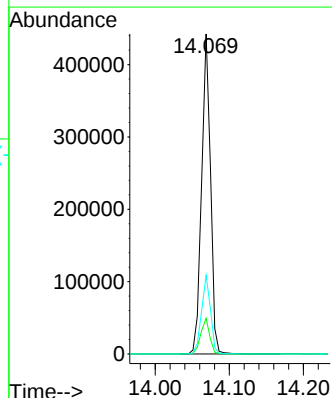
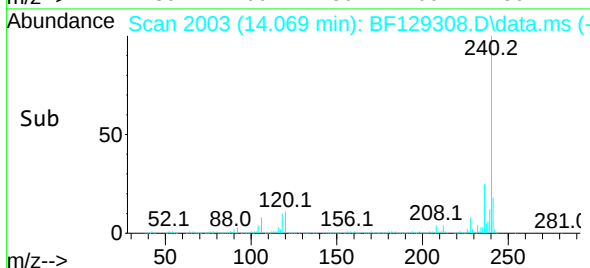
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

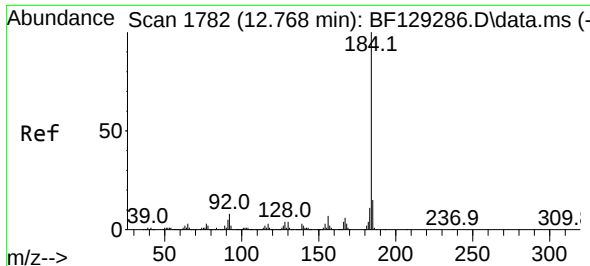


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



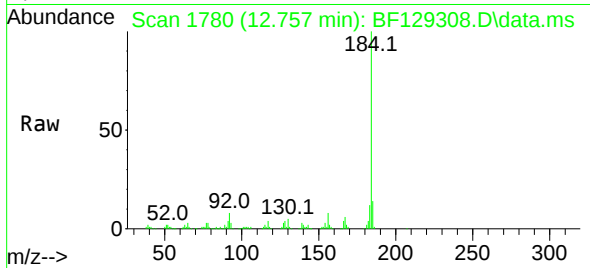
Tgt Ion:240 Resp: 367735
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 24.6 20.8 31.2





#77
Benzidine
Concen: 7.755 ng
RT: 12.757 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

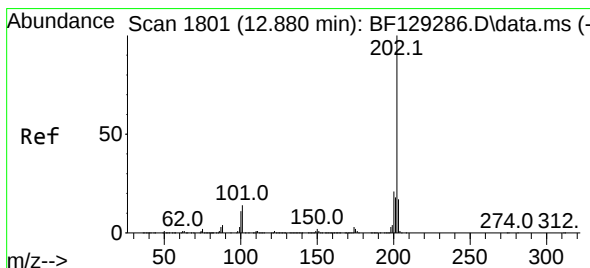
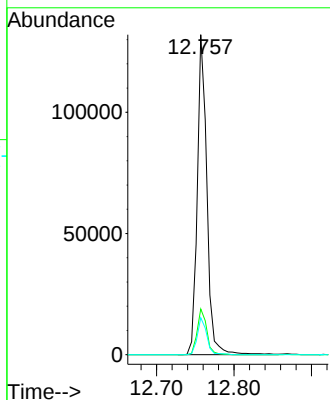
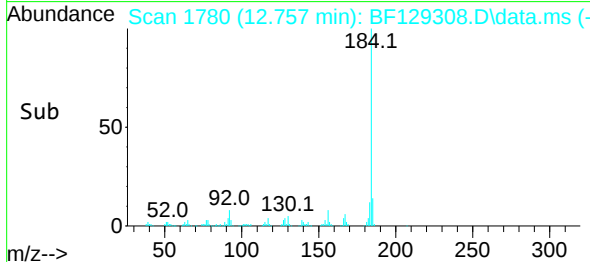
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2022



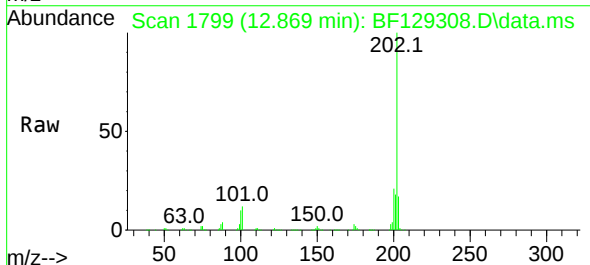
Tgt Ion:184 Resp: 113648
Ion Ratio Lower Upper
184 100
185 14.3 11.9 17.9
183 11.5 9.3 13.9

Manual Integrations
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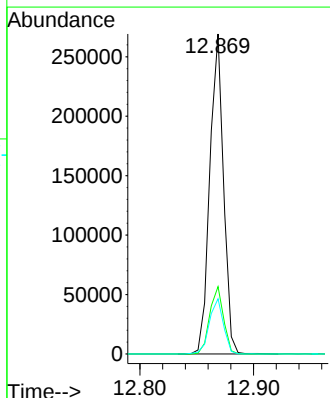
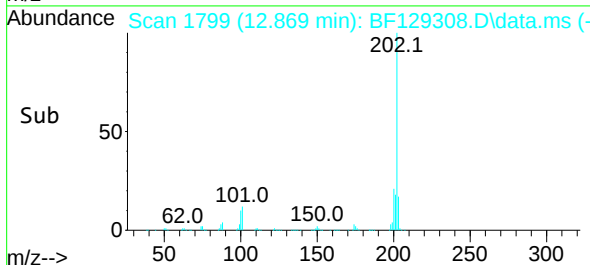
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

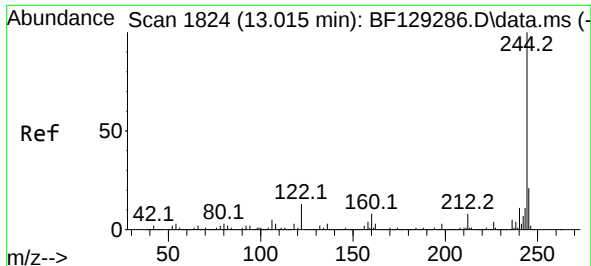


#78
Pyrene
Concen: 7.166 ng
RT: 12.869 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



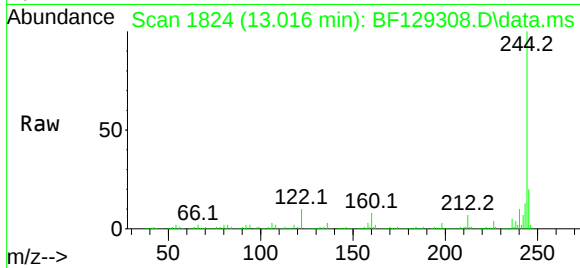
Tgt Ion:202 Resp: 225392
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 17.2 14.6 21.8





#79
 Terphenyl-d14
 Concen: 79.982 ng
 RT: 13.016 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF129308.D
 Acq: 22 Jul 2022 10:18

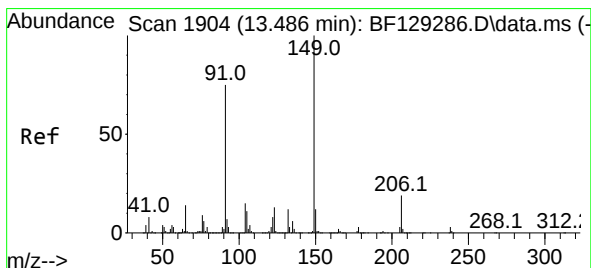
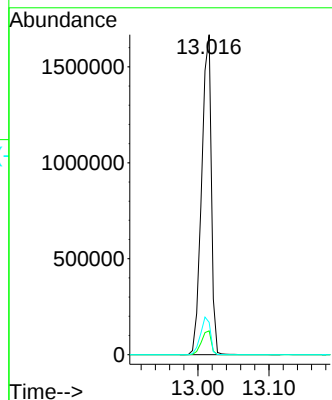
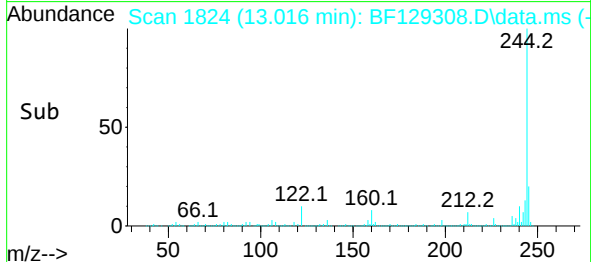
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



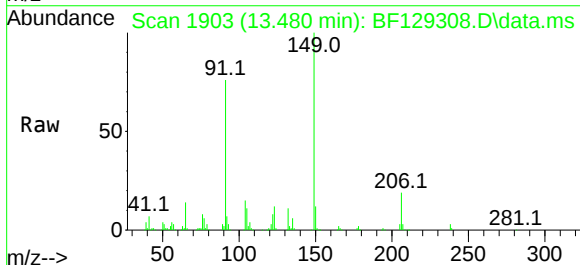
Tgt Ion:244 Resp: 157923
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 10.1 8.8 13.2

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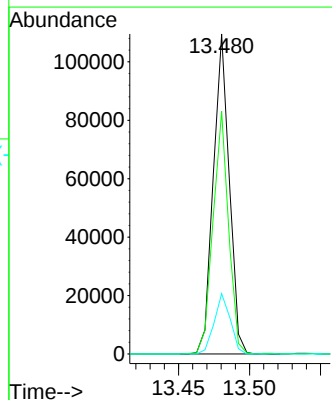
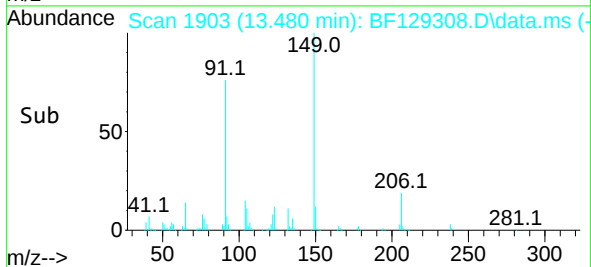
Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022

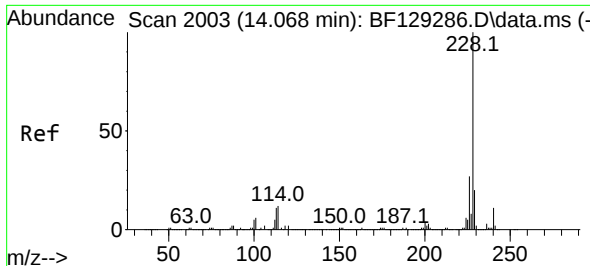


#80
 Butylbenzylphthalate
 Concen: 6.656 ng
 RT: 13.480 min Scan# 1903
 Delta R.T. -0.006 min
 Lab File: BF129308.D
 Acq: 22 Jul 2022 10:18



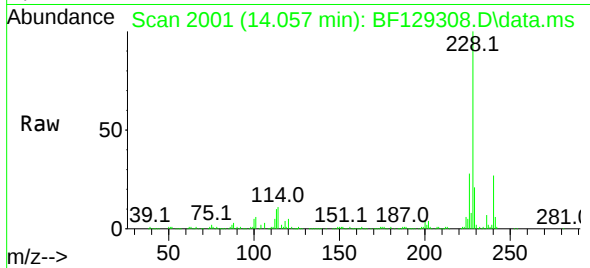
Tgt Ion:149 Resp: 85425
 Ion Ratio Lower Upper
 149 100
 91 75.8 61.2 91.8
 206 18.8 15.7 23.5





#81
Benzo(a)anthracene
Concen: 7.258 ng
RT: 14.057 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

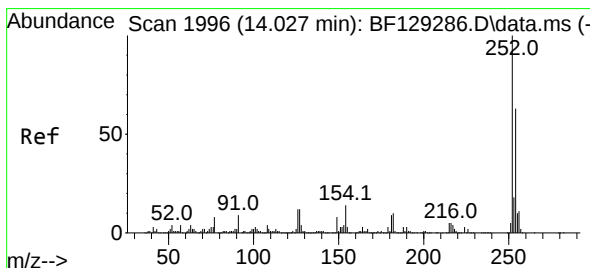
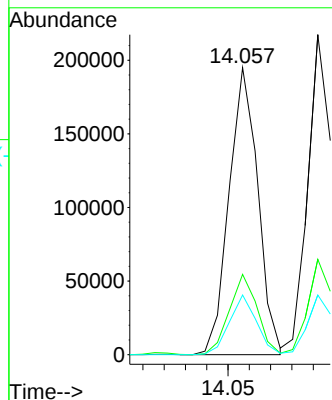
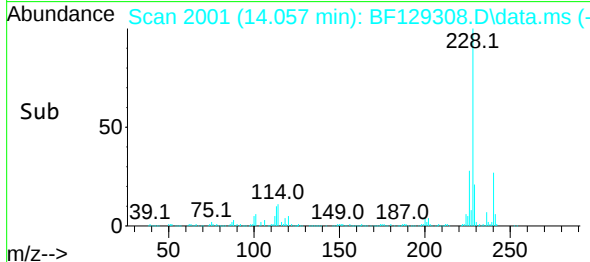
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2022



Tgt Ion:228 Resp: 183790
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 20.8 15.8 23.8

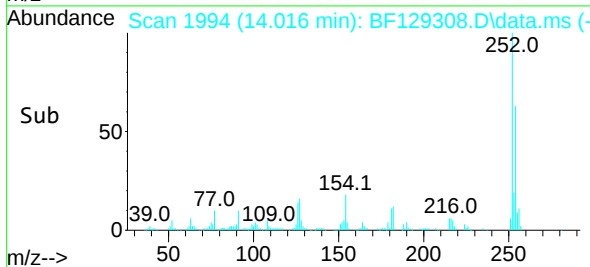
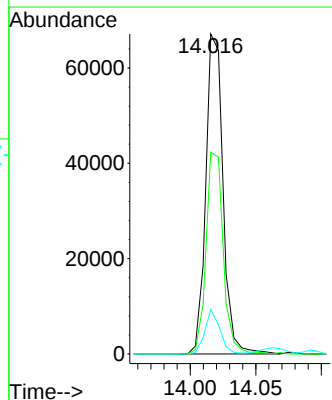
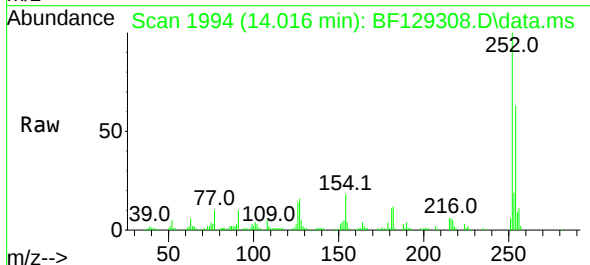
Manual Integrations
APPROVED

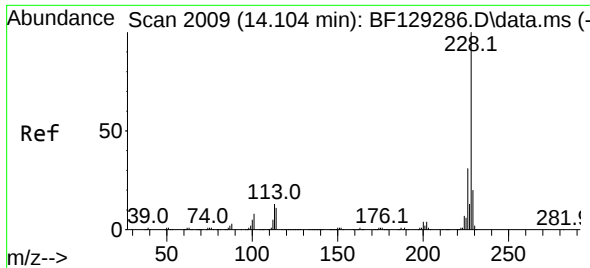
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#82
3,3'-Dichlorobenzidine
Concen: 7.409 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

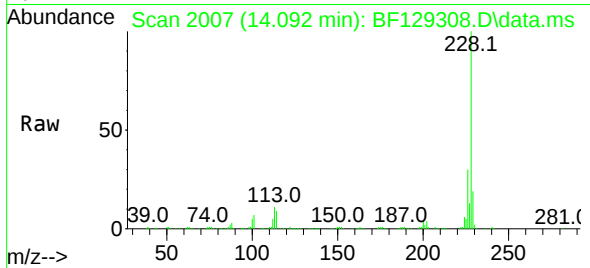
Tgt Ion:252 Resp: 61587
Ion Ratio Lower Upper
252 100
254 63.1 50.2 75.4
126 14.0 8.2 12.4





#83
Chrysene
Concen: 7.315 ng
RT: 14.092 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

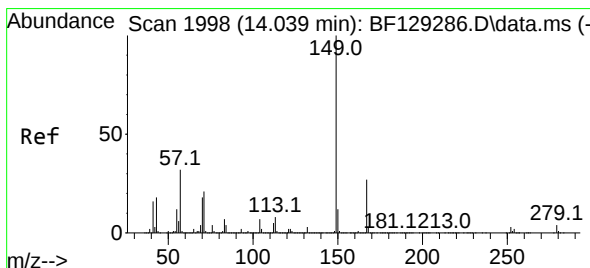
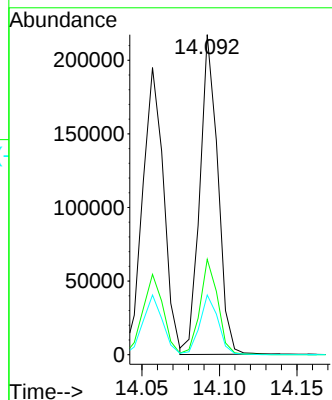
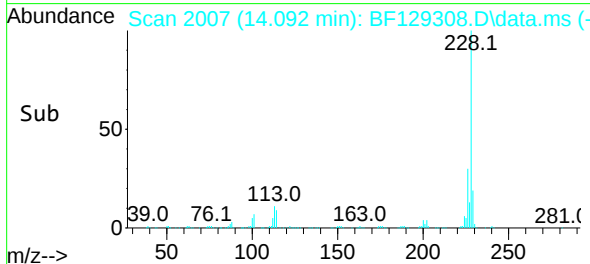
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:228 Resp: 17482
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 18.6 15.9 23.9

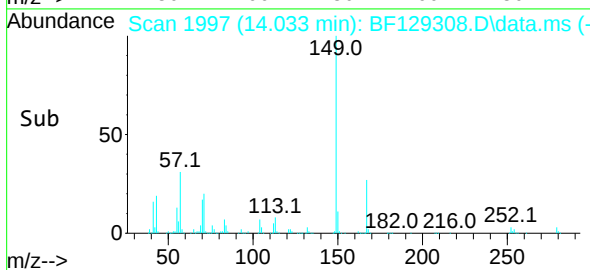
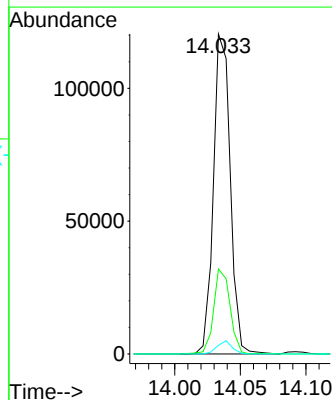
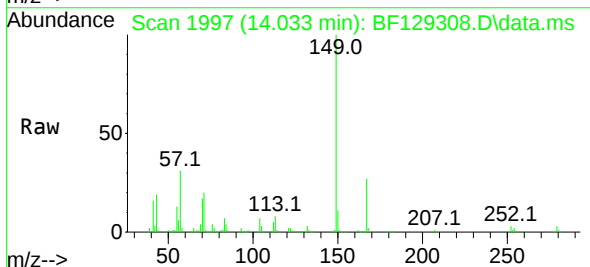
Manual Integrations
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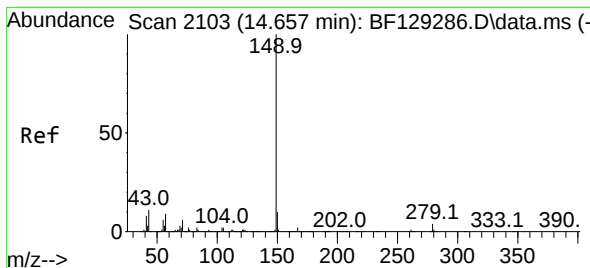
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.824 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

Tgt Ion:149 Resp: 107556
Ion Ratio Lower Upper
149 100
167 26.5 21.0 31.4
279 2.7 3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 6.492 ng

RT: 14.651 min Scan# 2103

Delta R.T. -0.006 min

Lab File: BF129308.D

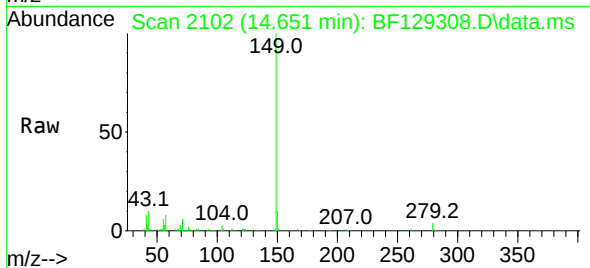
Acq: 22 Jul 2022 10:18

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022



Tgt Ion:149 Resp: 146432

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

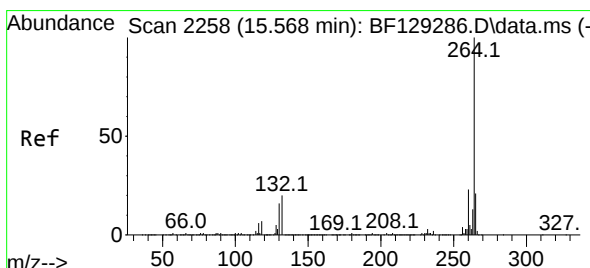
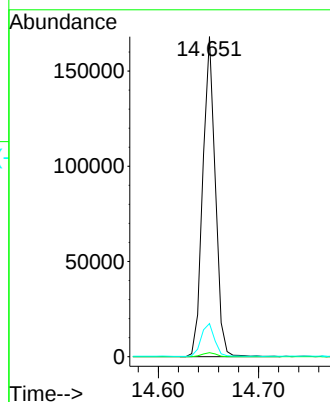
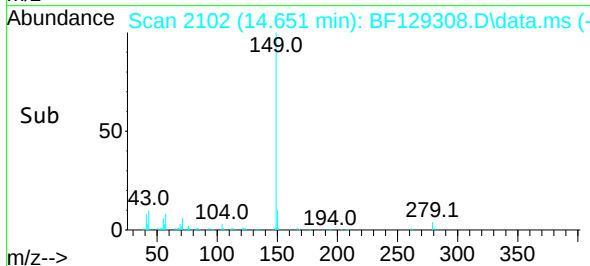
43 11.1 9.2 13.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/25/2022

Supervised By :Jagrut Upadhyay 07/25/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF129308.D

Acq: 22 Jul 2022 10:18

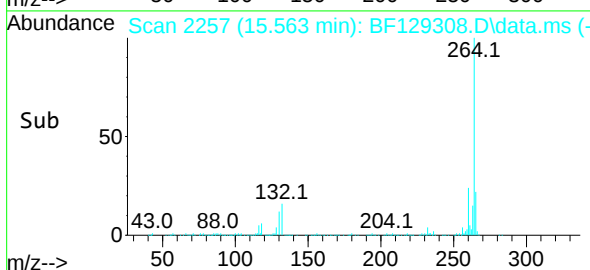
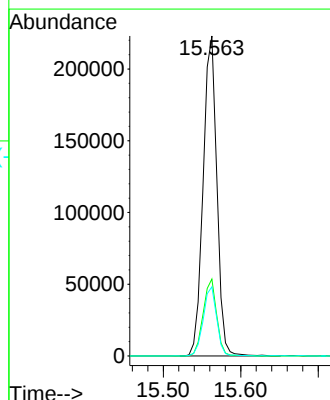
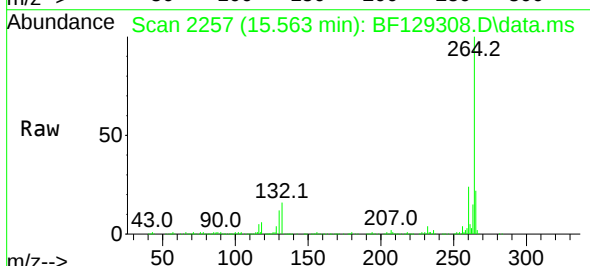
Tgt Ion:264 Resp: 274738

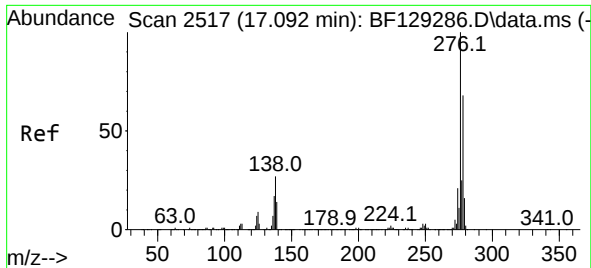
Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

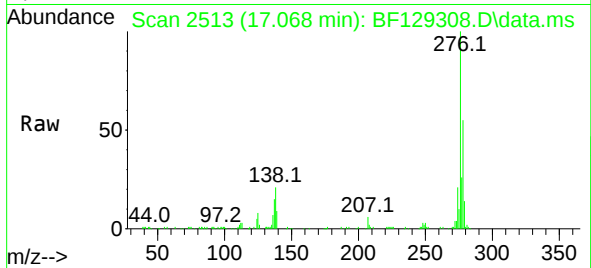
265 21.6 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.381 ng
RT: 17.068 min Scan# 2113
Delta R.T. -0.023 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

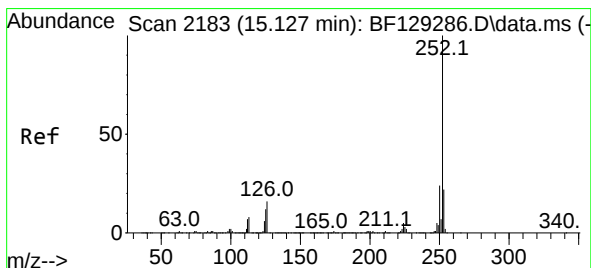
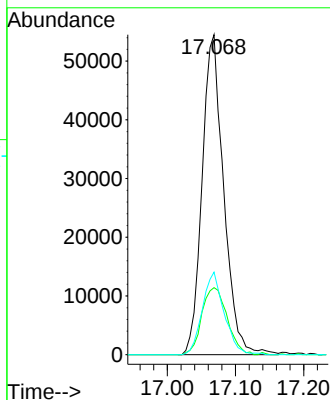
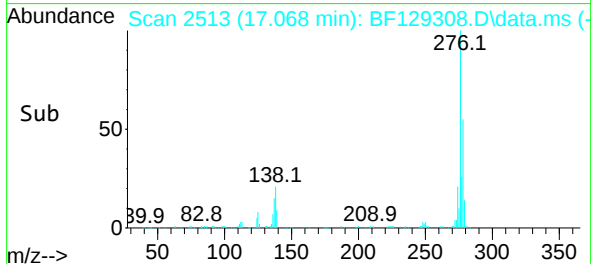
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



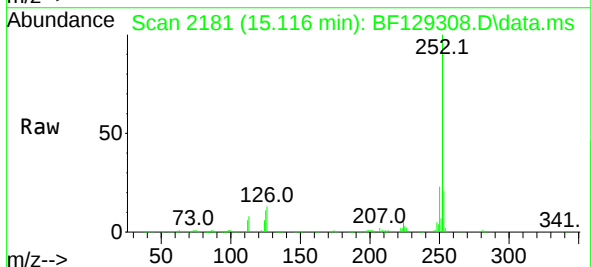
Tgt Ion:276 Resp: 120186
Ion Ratio Lower Upper
276 100
138 24.5 21.1 31.7
277 26.0 20.3 30.5

Manual Integrations
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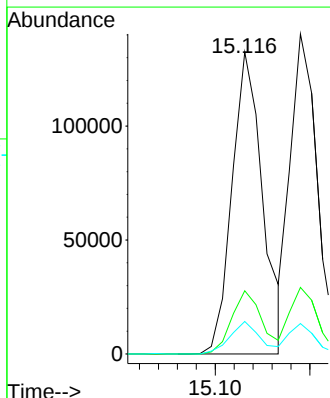
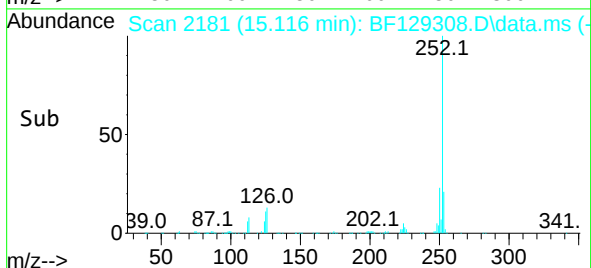
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

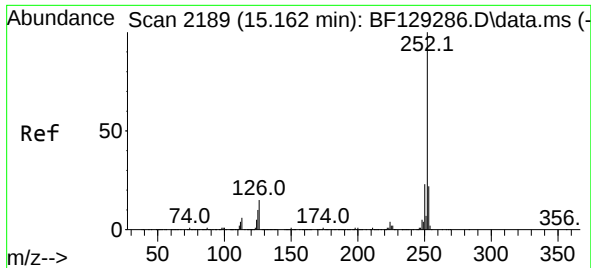


#88
Benzo(b)fluoranthene
Concen: 8.158 ng
RT: 15.116 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18



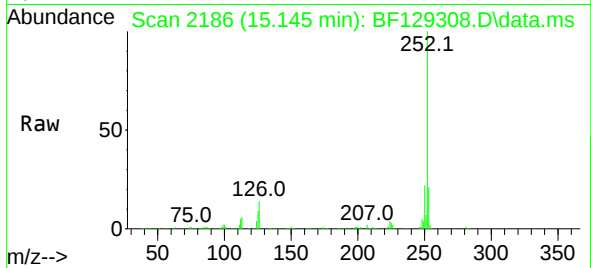
Tgt Ion:252 Resp: 149186
Ion Ratio Lower Upper
252 100
253 20.9 17.7 26.5
125 10.8 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 7.945 ng
RT: 15.145 min Scan# 2189
Delta R.T. -0.017 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

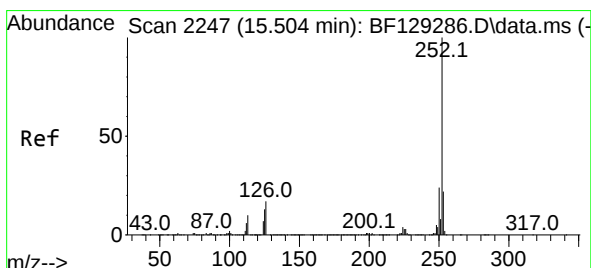
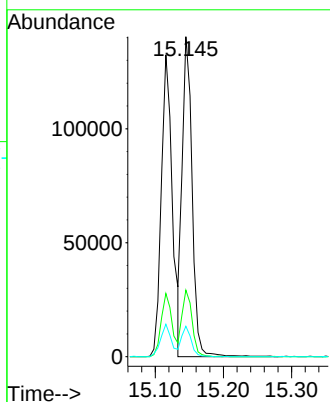
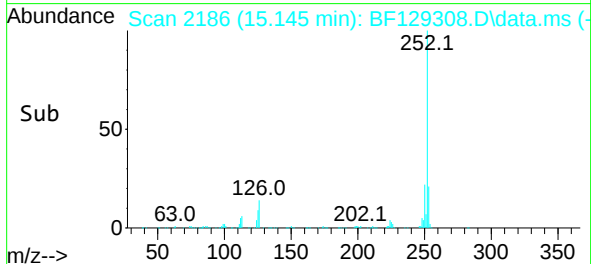
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2022



Tgt Ion:252 Resp: 141062
Ion Ratio Lower Upper
252 100
253 20.8 17.8 26.6
125 9.5 8.3 12.5

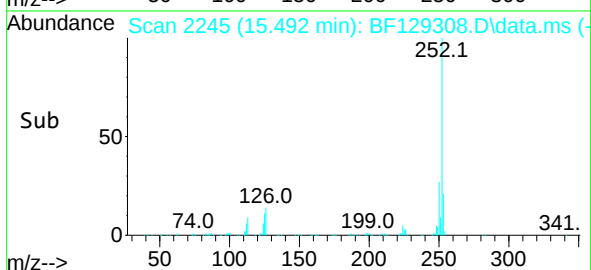
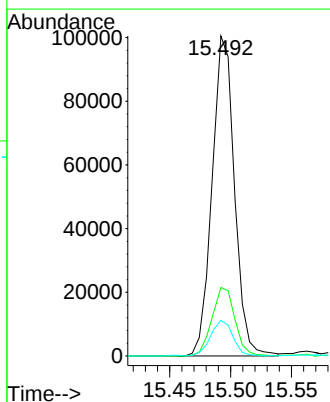
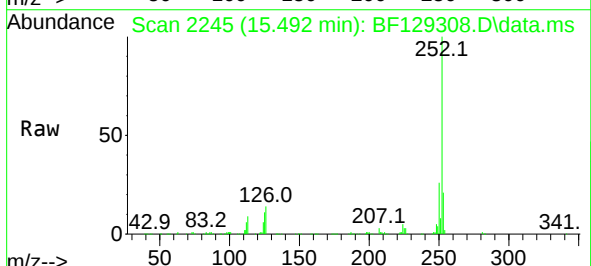
Manual Integrations
APPROVED

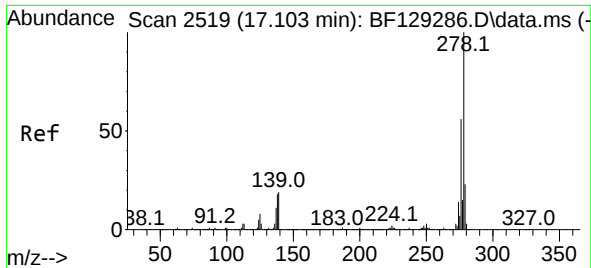
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#90
Benzo(a)pyrene
Concen: 8.679 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

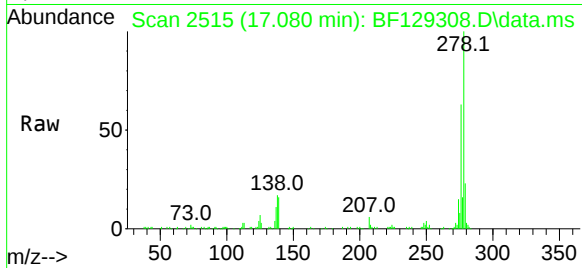
Tgt Ion:252 Resp: 128418
Ion Ratio Lower Upper
252 100
253 21.4 17.0 25.6
125 11.2 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 6.894 ng
RT: 17.080 min Scan# 2519
Delta R.T. -0.023 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

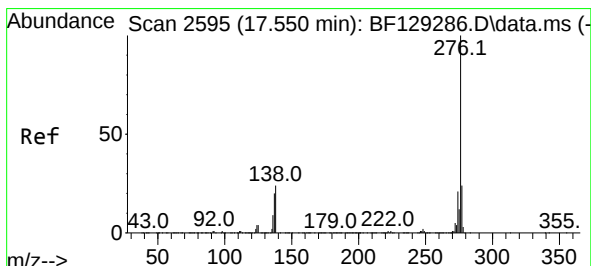
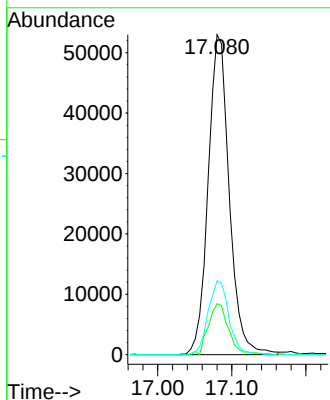
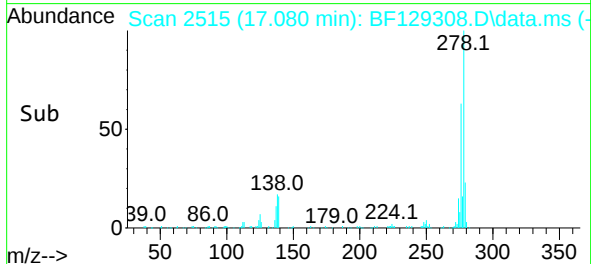
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2022



Tgt Ion: 278 Resp: 104660
Ion Ratio Lower Upper
278 100
139 16.0 12.8 19.2
279 23.1 18.6 28.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 07/25/2022
Supervised By : Jagrut Upadhyay 07/25/2022



#92
Benzo(g,h,i)perylene
Concen: 6.660 ng
RT: 17.521 min Scan# 2590
Delta R.T. -0.029 min
Lab File: BF129308.D
Acq: 22 Jul 2022 10:18

Tgt Ion: 276 Resp: 105052
Ion Ratio Lower Upper
276 100
277 24.2 19.1 28.7
138 20.8 18.0 27.0

