

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022122\
 Data File : BF126970.D
 Acq On : 21 Feb 2022 13:34
 Operator : CG\JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Quant Time: Feb 21 14:10:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 21 13:16:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/22/2022
 Supervised By : Jagrut Upadhyay 02/22/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	96651	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	386113	20.000	ng	# 0.00
39) Acenaphthene-d10	9.957	164	204833	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	374663	20.000	ng	# 0.00
76) Chrysene-d12	14.092	240	295192	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	270117	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	894612	143.060	ng	0.00
7) Phenol-d6	6.551	99	1211687	143.598	ng	0.00
23) Nitrobenzene-d5	7.486	82	686942	80.305	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	375438	159.194	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1118214	80.367	ng	0.00
79) Terphenyl-d14	13.039	244	1408518	70.143	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.734	88	10555	3.689	ng	93
3) Pyridine	3.575	79	25617	3.413	ng	89
4) n-Nitrosodimethylamine	3.457	42	12775	3.475	ng	# 70
6) Aniline	6.587	93	41403	4.141	ng	95
8) 2-Chlorophenol	6.704	128	25281	3.768	ng	87
9) Benzaldehyde	6.475	77	23957	4.664	ng	99
10) Phenol	6.557	94	32461	3.807	ng	# 55
11) bis(2-Chloroethyl)ether	6.657	93	25431	3.803	ng	98
12) 1,3-Dichlorobenzene	6.863	146	27993	3.868	ng	96
13) 1,4-Dichlorobenzene	6.939	146	27362	3.729	ng	98
14) 1,2-Dichlorobenzene	7.092	146	26465	3.782	ng	95
15) Benzyl Alcohol	7.057	79	35180m	4.949	ng	
16) 2,2'-oxybis(1-Chloropr...	7.192	45	36430	3.460	ng	98
17) 2-Methylphenol	7.157	107	21783	3.752	ng	# 91
18) Hexachloroethane	7.434	117	10671	3.794	ng	# 92
19) n-Nitroso-di-n-propyla...	7.322	70	20959	3.855	ng	# 97
20) 3+4-Methylphenols	7.310	107	28458	3.775	ng	# 73
22) Acetophenone	7.322	105	41999	4.131	ng	98
24) Nitrobenzene	7.498	77	32809	4.060	ng	# 95
25) Isophorone	7.733	82	56226	3.972	ng	# 97
26) 2-Nitrophenol	7.816	139	12676	3.684	ng	# 86
27) 2,4-Dimethylphenol	7.845	122	23917	4.231	ng	92
28) bis(2-Chloroethoxy)met...	7.945	93	31412	3.660	ng	98
29) 2,4-Dichlorophenol	8.051	162	19407	3.652	ng	96
30) 1,2,4-Trichlorobenzene	8.139	180	22346	3.761	ng	99
31) Naphthalene	8.222	128	79482	3.943	ng	98
32) Benzoic acid	7.898	122	8307	2.072	ng	91
33) 4-Chloroaniline	8.269	127	31596	3.983	ng	97
34) Hexachlorobutadiene	8.333	225	13202	3.806	ng	95
35) Caprolactam	8.604	113	6393	3.445	ng	# 86
36) 4-Chloro-3-methylphenol	8.739	107	26420	3.890	ng	93
37) 2-Methylnaphthalene	8.916	142	49641	3.796	ng	93
38) 1-Methylnaphthalene	9.016	142	49128	3.923	ng	96
40) 1,2,4,5-Tetrachloroben...	9.075	216	21178	3.928	ng	98
41) Hexachlorocyclopentadiene	9.063	237	9379	3.207	ng	96
43) 2,4,6-Trichlorophenol	9.186	196	14407	3.643	ng	91

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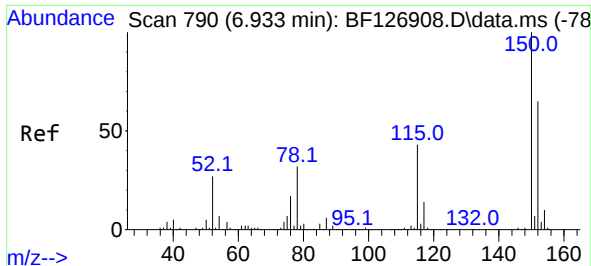
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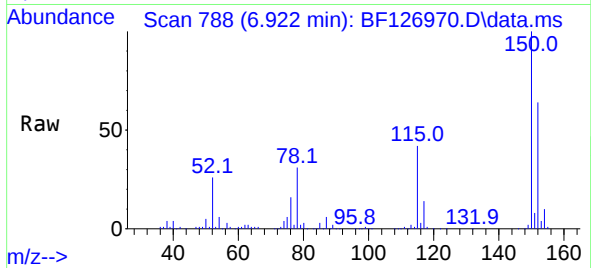
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.228	196	14610	3.511	ng	91
46) 1,1'-Biphenyl	9.375	154	66335	4.088	ng	97
47) 2-Chloronaphthalene	9.404	162	45450	3.777	ng	95
48) 2-Nitroaniline	9.498	65	16132	3.397	ng	95
49) Acenaphthylene	9.822	152	77320	3.955	ng	97
50) Dimethylphthalate	9.669	163	54765	3.740	ng	99
51) 2,6-Dinitrotoluene	9.733	165	11069	3.716	ng	# 85
52) Acenaphthene	9.992	154	48073	3.781	ng	99
53) 3-Nitroaniline	9.904	138	12790	3.513	ng	# 99
54) 2,4-Dinitrophenol	10.010	184	3586	2.274	ng	96
55) Dibenzofuran	10.163	168	67432	3.857	ng	94
56) 4-Nitrophenol	10.057	139	9301	3.458	ng	# 86
57) 2,4-Dinitrotoluene	10.139	165	14265	3.542	ng	# 91
58) Fluorene	10.504	166	53198	3.907	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.275	232	11305	3.427	ng	97
60) Diethylphthalate	10.374	149	57254	3.742	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	24823	3.866	ng	98
62) 4-Nitroaniline	10.516	138	12894	3.586	ng	# 82
63) Azobenzene	10.657	77	62185	3.650	ng	96
65) 4,6-Dinitro-2-methylph...	10.545	198	5828	2.647	ng	93
66) n-Nitrosodiphenylamine	10.616	169	45859	3.733	ng	99
67) 4-Bromophenyl-phenylether	10.986	248	14920	3.564	ng	# 85
68) Hexachlorobenzene	11.051	284	16717	3.710	ng	# 92
69) Atrazine	11.133	200	14693	3.856	ng	96
70) Pentachlorophenol	11.245	266	7415	3.014	ng	97
71) Phenanthrene	11.469	178	82159	3.918	ng	99
72) Anthracene	11.521	178	81304	3.895	ng	98
73) Carbazole	11.674	167	69936	3.653	ng	97
74) Di-n-butylphthalate	12.004	149	87595	3.559	ng	100
75) Fluoranthene	12.663	202	80858	4.061	ng	91
77) Benzidine	12.780	184	38062	4.745	ng	98
78) Pyrene	12.892	202	82983	3.236	ng	99
80) Butylbenzylphthalate	13.504	149	36564	3.012	ng	94
81) Benzo(a)anthracene	14.080	228	73049	3.671	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	24251	3.867	ng	95
83) Chrysene	14.115	228	67948	3.631	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	50776	3.185	ng	# 96
85) Di-n-octyl phthalate	14.674	149	80061	3.488	ng	97
87) Indeno(1,2,3-cd)pyrene	17.103	276	53198	3.004	ng	# 87
88) Benzo(b)fluoranthene	15.139	252	63925	3.524	ng	# 96
89) Benzo(k)fluoranthene	15.174	252	64696	3.697	ng	# 93
90) Benzo(a)pyrene	15.521	252	59619	4.207	ng	# 93
91) Dibenzo(a,h)anthracene	17.121	278	46273	3.159	ng	# 90
92) Benzo(g,h,i)perylene	17.562	276	42484	2.942	ng	# 86

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

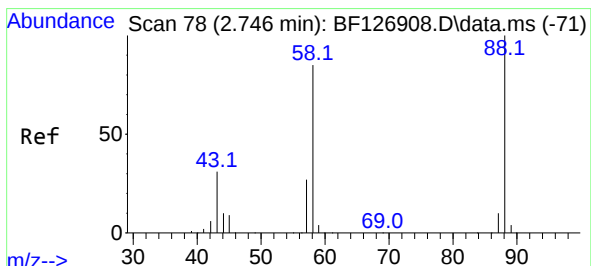
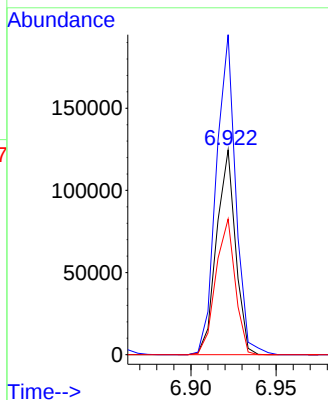
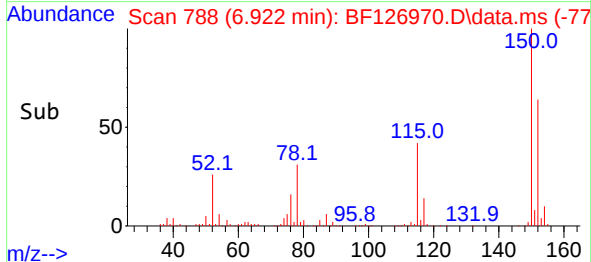
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



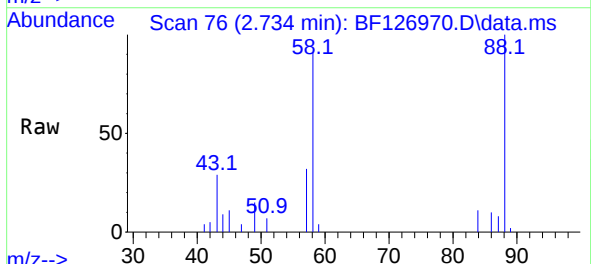
Tgt Ion:152 Resp: 9665
Ion Ratio Lower Upper
152 100
150 156.3 128.1 192.1
115 66.3 56.7 85.1

Manual Integrations
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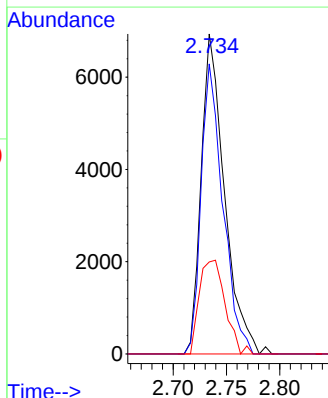
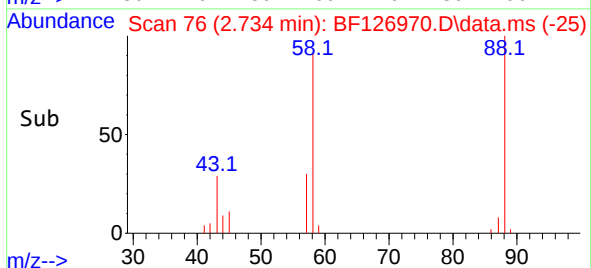
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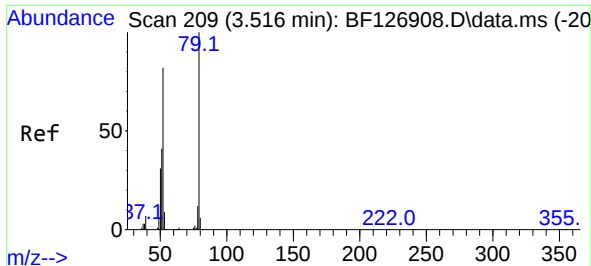


#2
1,4-Dioxane
Concen: 3.689 ng
RT: 2.734 min Scan# 76
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



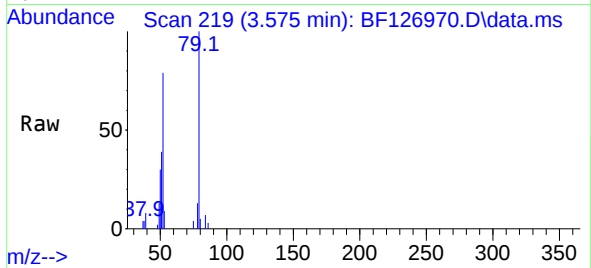
Tgt Ion: 88 Resp: 10555
Ion Ratio Lower Upper
88 100
58 84.7 62.8 94.2
43 32.5 22.3 33.5





#3
Pyridine
Concen: 3.413 ng
RT: 3.575 min Scan# 219
Delta R.T. 0.065 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

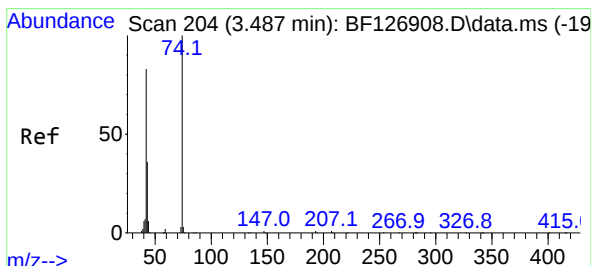
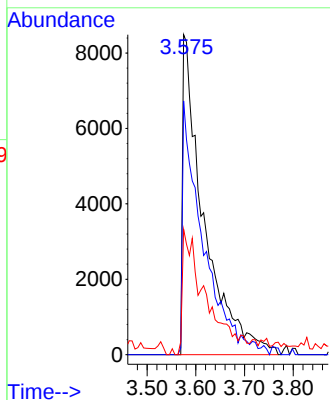
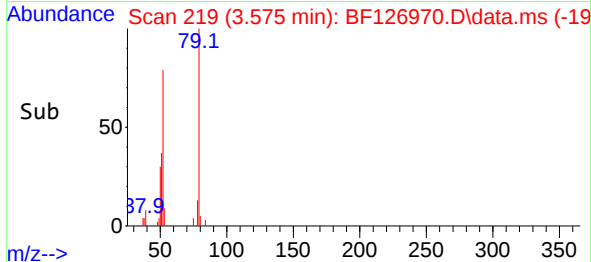
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



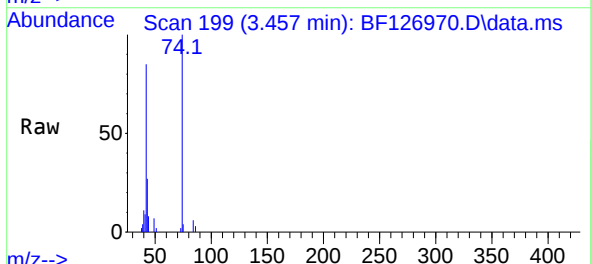
Tgt Ion: 79 Resp: 2561
Ion Ratio Lower Upper
79 100
52 79.3 56.2 84.4
51 39.1 26.7 40.1

Manual Integrations
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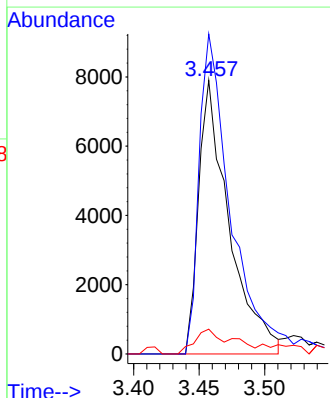
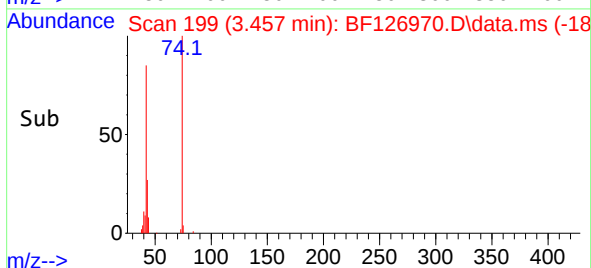
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Supervised By :Jagrut Upadhyay 02/22/2022

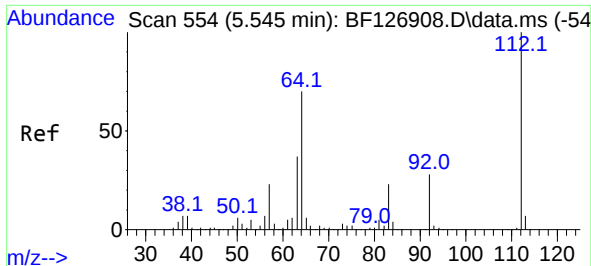


#4
n-Nitrosodimethylamine
Concen: 3.475 ng
RT: 3.457 min Scan# 199
Delta R.T. -0.018 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



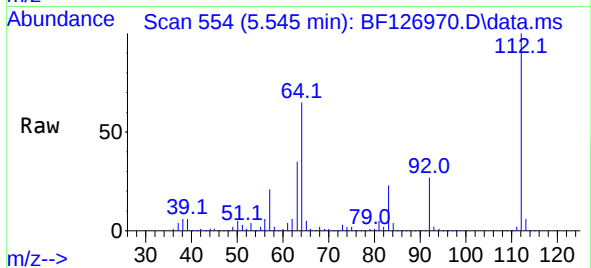
Tgt Ion: 42 Resp: 12775
Ion Ratio Lower Upper
42 100
74 117.0 125.6 188.4#
44 9.1 5.7 8.5#





#5
2-Fluorophenol
Concen: 143.060 ng
RT: 5.545 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

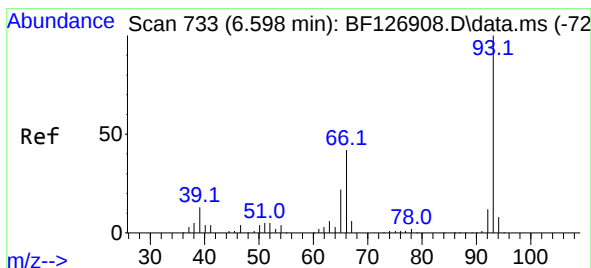
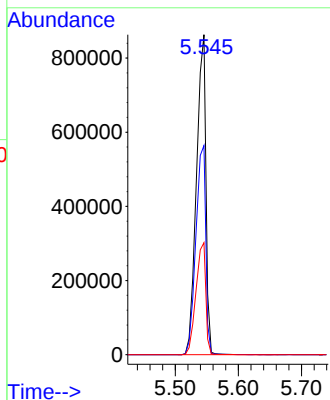
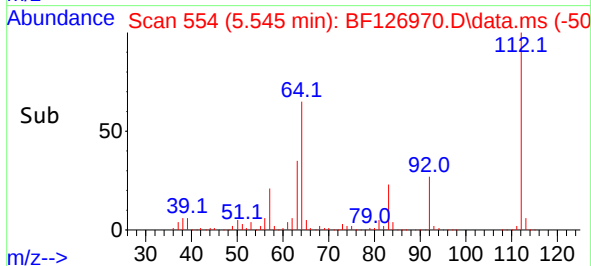
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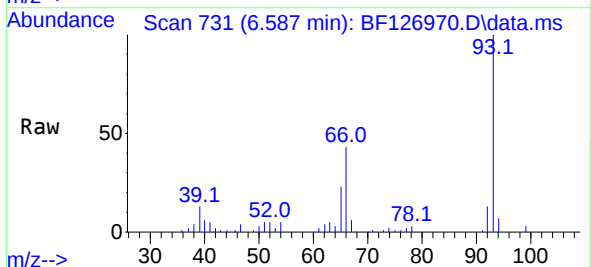
Tgt Ion:112 Resp: 894612
Ion Ratio Lower Upper
112 100
64 65.4 49.5 74.3
63 35.0 23.9 35.9

Manual Integrations
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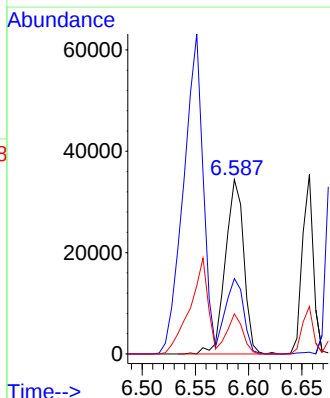
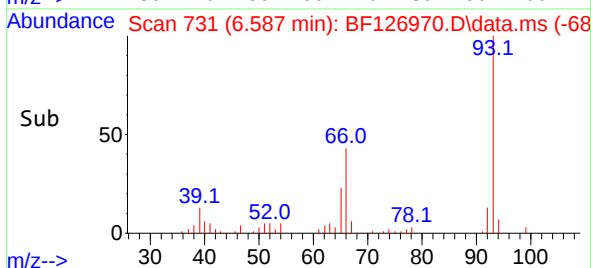
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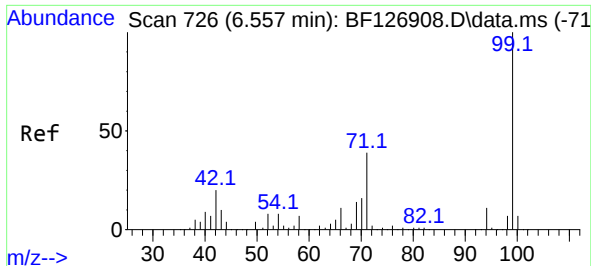


#6
Aniline
Concen: 4.141 ng
RT: 6.587 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



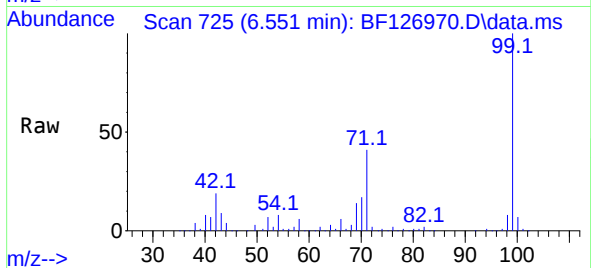
Tgt Ion: 93 Resp: 41403
Ion Ratio Lower Upper
93 100
66 43.2 32.2 48.4
65 23.1 16.3 24.5





#7
Phenol-d6
Concen: 143.598 ng
RT: 6.551 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

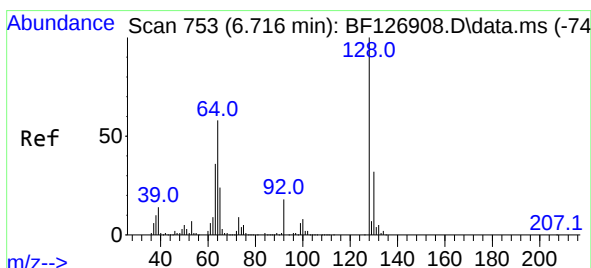
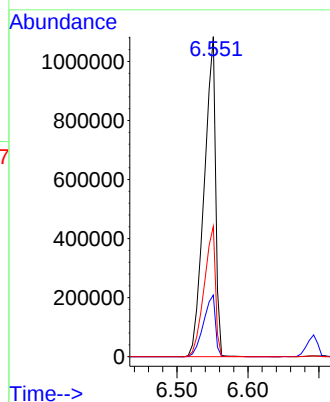
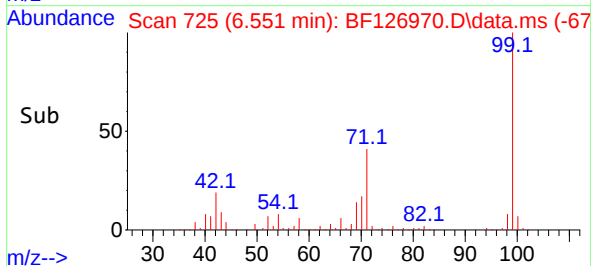
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BNA_F
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Tgt Ion: 99 Resp: 121168
Ion Ratio Lower Upper
99 100
42 19.3 14.2 21.4
71 40.7 24.3 36.5

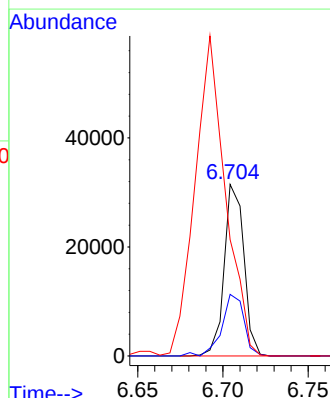
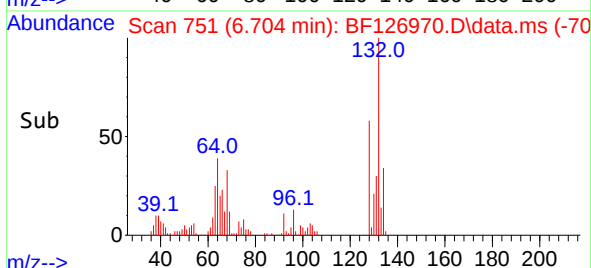
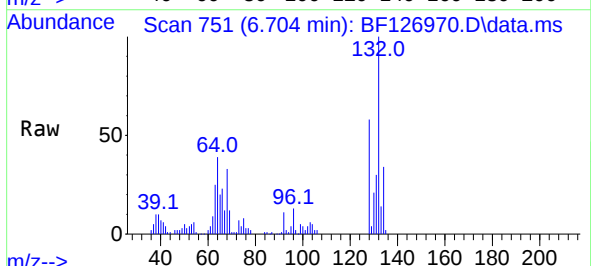
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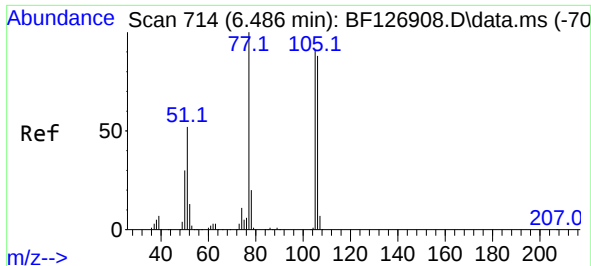
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#8
2-Chlorophenol
Concen: 3.768 ng
RT: 6.704 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

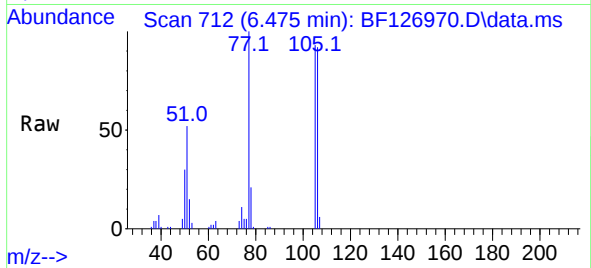
Tgt Ion:128 Resp: 25281
Ion Ratio Lower Upper
128 100
130 35.9 12.7 52.7
64 67.8 35.6 75.6





#9
Benzaldehyde
Concen: 4.664 ng
RT: 6.475 min Scan# 714
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

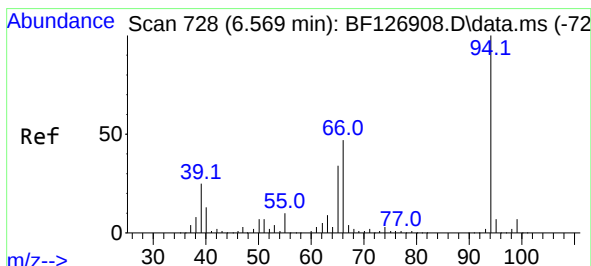
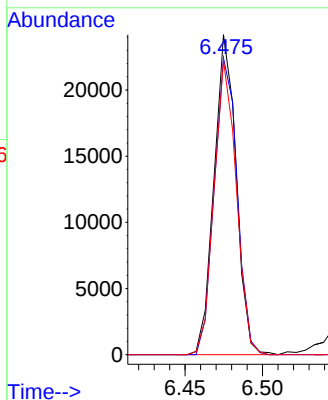
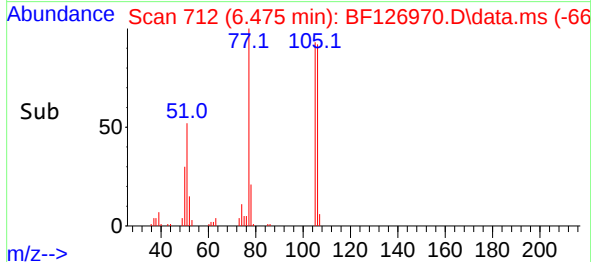
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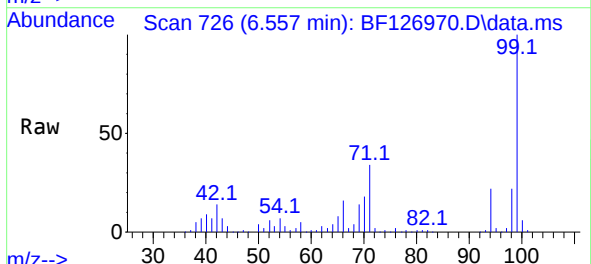
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Ion Ratio Lower Upper
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105 92.8 74.9 114.9
106 91.9 72.4 112.4

Manual Integrations
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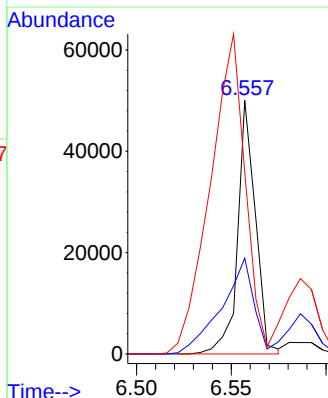
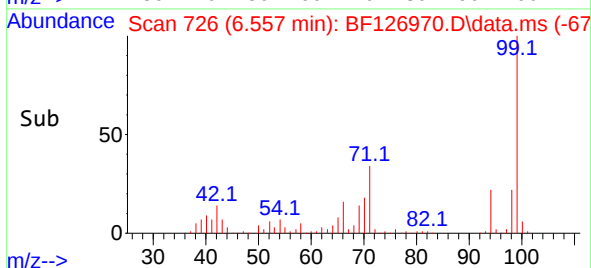
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

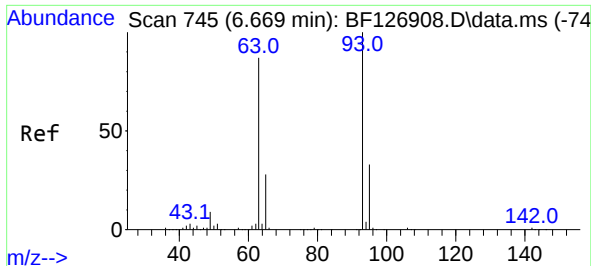


#10
Phenol
Concen: 3.807 ng
RT: 6.557 min Scan# 726
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



Tgt Ion: 94 Resp: 32461
Ion Ratio Lower Upper
94 100
65 37.8 7.2 47.2
66 71.5 14.5 54.5#





#11

bis(2-Chloroethyl)ether

Concen: 3.803 ng

RT: 6.657 min Scan# 745

Delta R.T. -0.000 min

Lab File: BF126970.D

Acq: 21 Feb 2022 13:34

Instrument :

BNA_F

ClientSampleId :

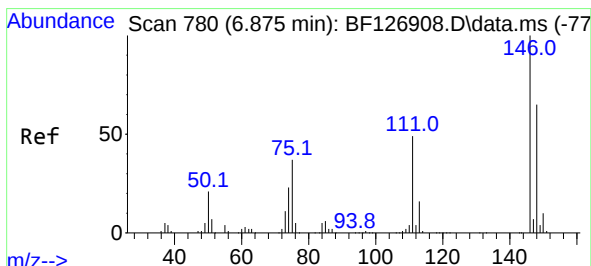
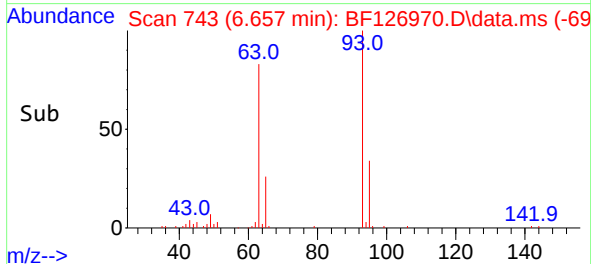
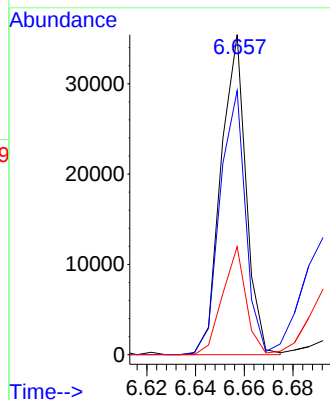
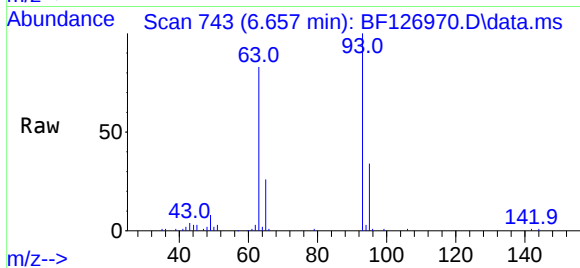
MDL-SOIL-03-QT4-2021

Tgt Ion: 93 Resp: 2543

Ion	Ratio	Lower	Upper
93	100		
63	82.5	60.5	100.5
95	33.7	12.9	52.9

Manual Integrations
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Supervised By :Jagrut Upadhyay 02/22/2022



#12

1,3-Dichlorobenzene

Concen: 3.868 ng

RT: 6.863 min Scan# 778

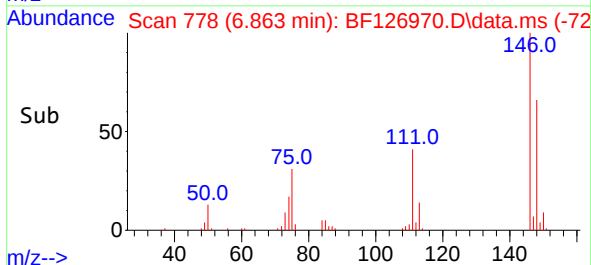
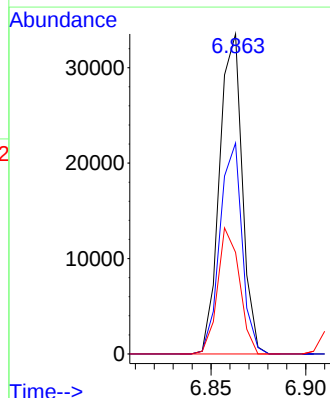
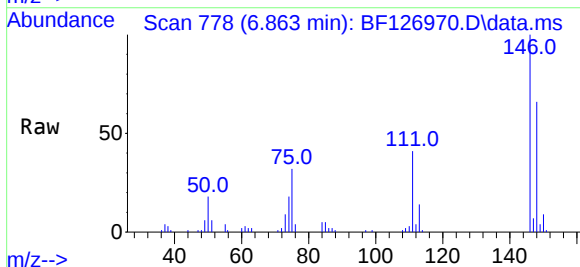
Delta R.T. -0.000 min

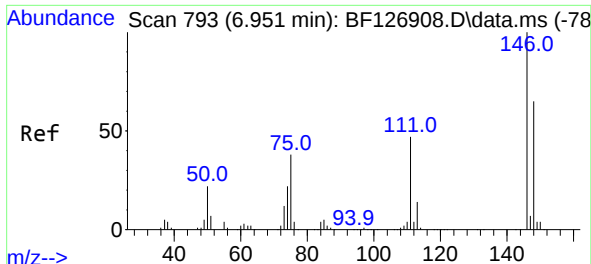
Lab File: BF126970.D

Acq: 21 Feb 2022 13:34

Tgt Ion:146 Resp: 27993

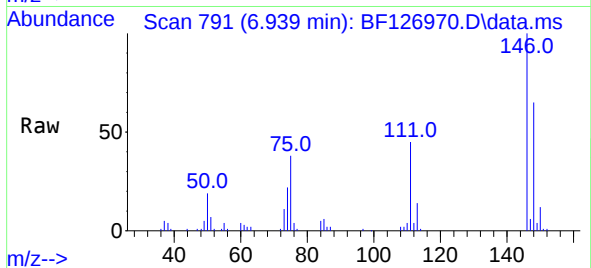
Ion	Ratio	Lower	Upper
146	100		
148	65.9	50.9	76.3
75	31.7	28.4	42.6





#13
1,4-Dichlorobenzene
Concen: 3.729 ng
RT: 6.939 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

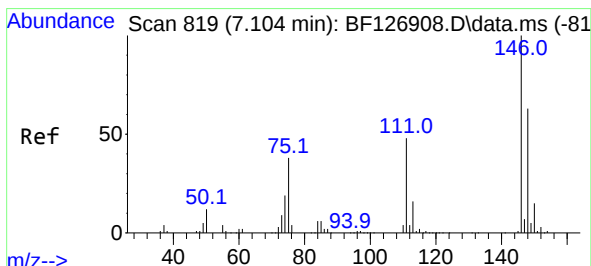
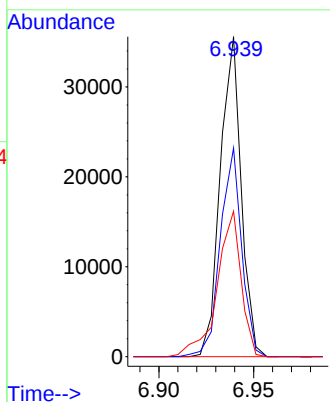
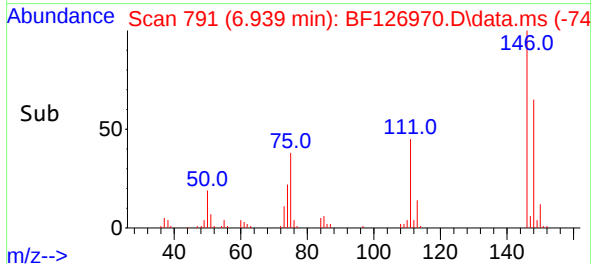
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



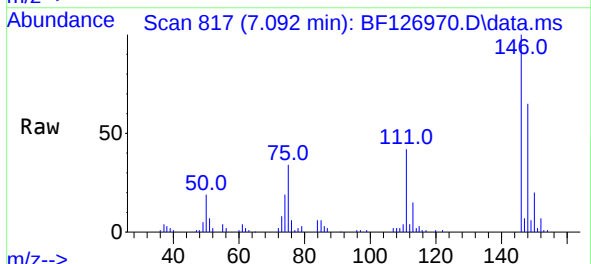
Tgt Ion:146 Resp: 27362
Ion Ratio Lower Upper
146 100
148 65.2 49.8 74.6
111 45.4 36.1 54.1

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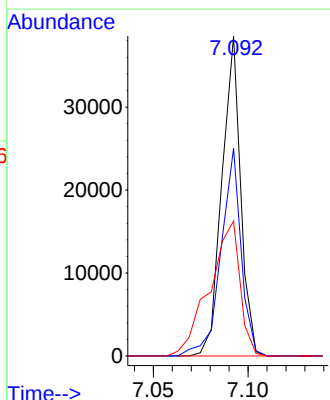
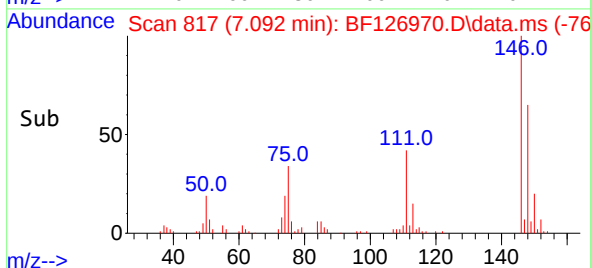
Reviewed By :Christian Giraldo 02/22/2022
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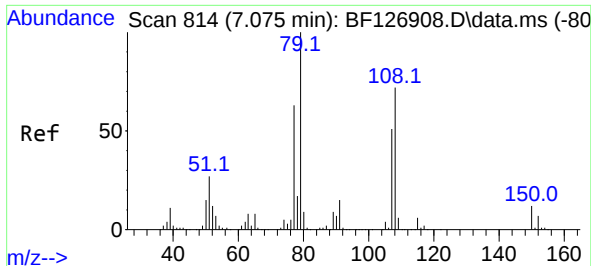


#14
1,2-Dichlorobenzene
Concen: 3.782 ng
RT: 7.092 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



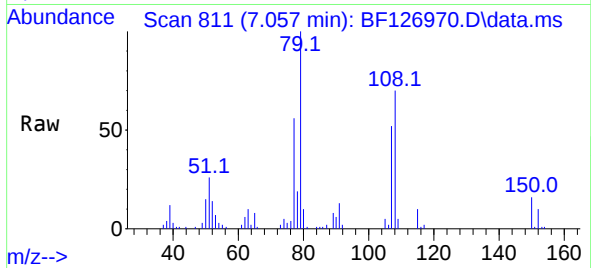
Tgt Ion:146 Resp: 26465
Ion Ratio Lower Upper
146 100
148 64.9 51.6 77.4
111 42.2 40.2 60.2





#15
Benzyl Alcohol
Concen: 4.949 ng m
RT: 7.057 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

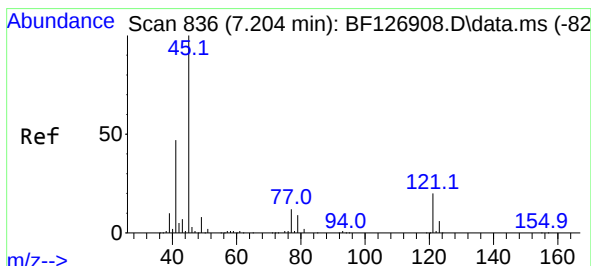
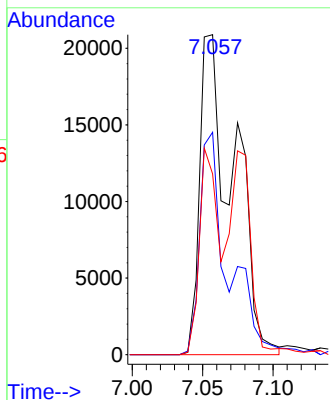
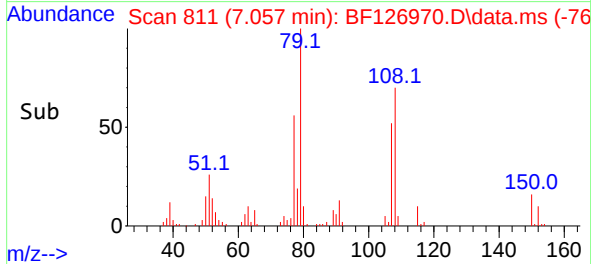
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



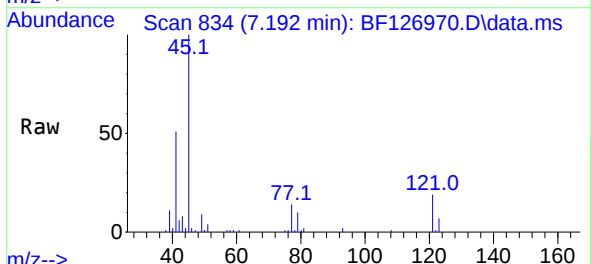
Tgt Ion: 79 Resp: 35180
Ion Ratio Lower Upper
79 100
108 69.5 63.2 94.8
77 56.5 49.4 74.2

Manual Integrations
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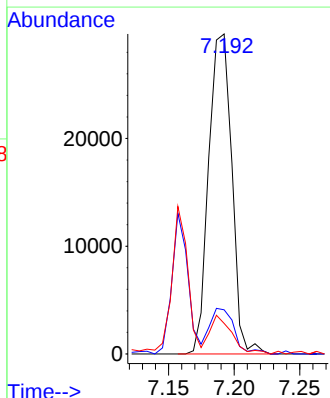
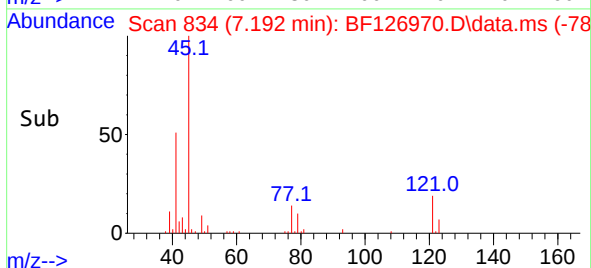
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

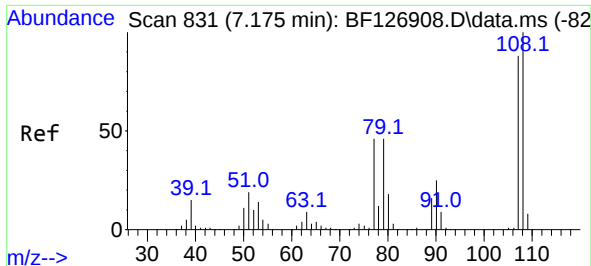


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.460 ng
RT: 7.192 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



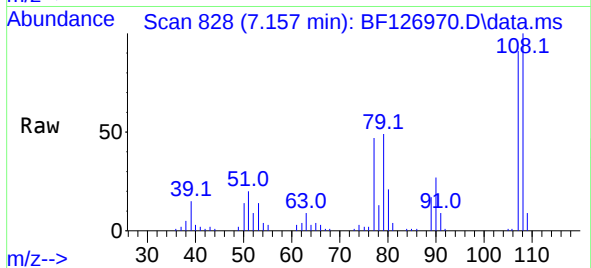
Tgt Ion: 45 Resp: 36430
Ion Ratio Lower Upper
45 100
77 13.8 0.0 32.4
79 9.6 0.0 29.8





#17
2-Methylphenol
Concen: 3.752 ng
RT: 7.157 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

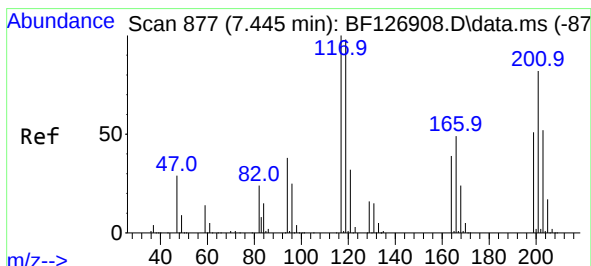
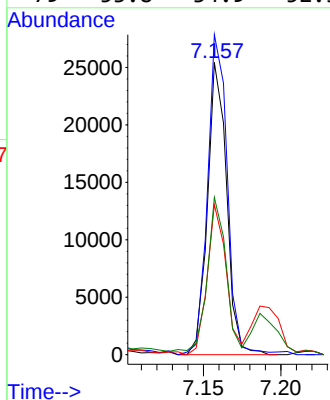
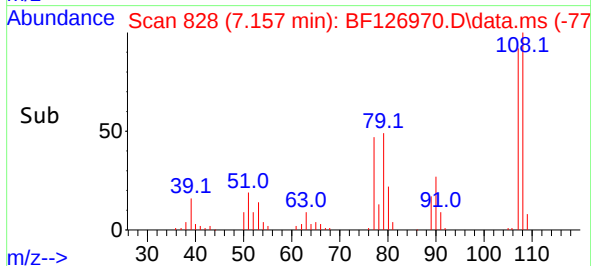
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



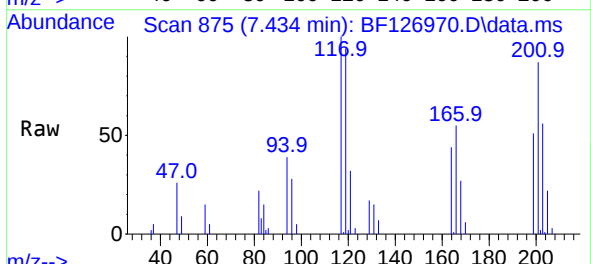
Tgt Ion:107 Resp: 2178
Ion Ratio Lower Upper
107 100
108 109.5 93.4 140.0
77 51.3 36.1 54.1
79 53.8 34.9 52.3#

Manual Integrations
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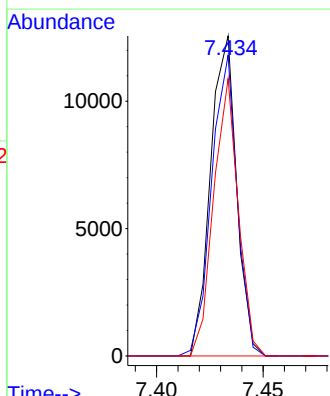
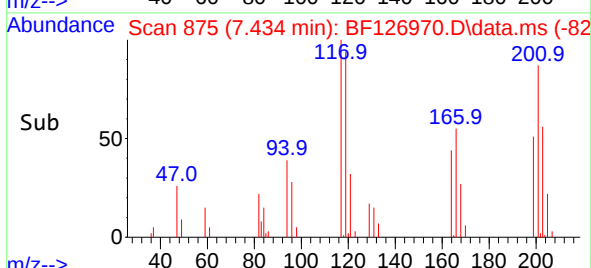
Reviewed By :Christian Giraldo 02/22/2022
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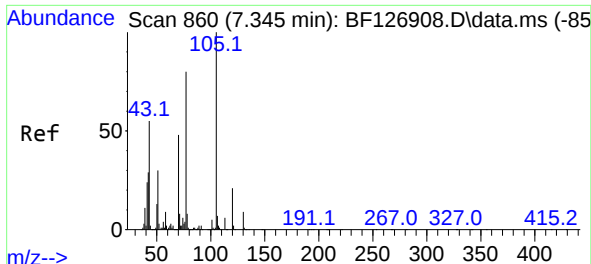


#18
Hexachloroethane
Concen: 3.794 ng
RT: 7.434 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



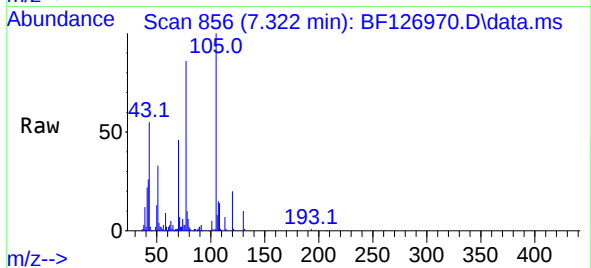
Tgt Ion:117 Resp: 10671
Ion Ratio Lower Upper
117 100
119 94.0 75.4 113.0
201 86.7 56.8 85.2#





#19
n-Nitroso-di-n-propylamine
Concen: 3.855 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

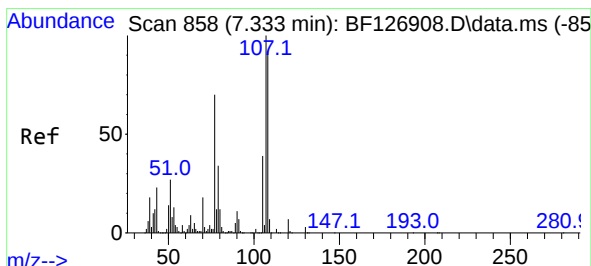
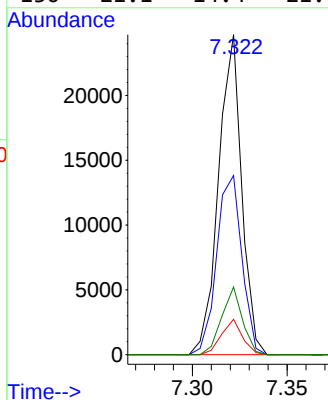
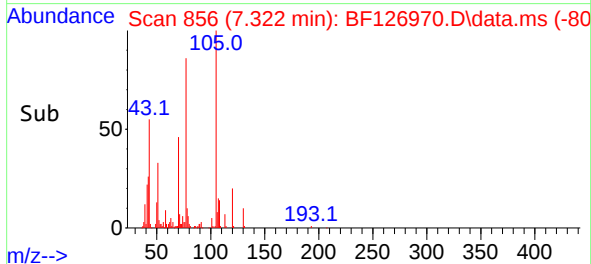
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



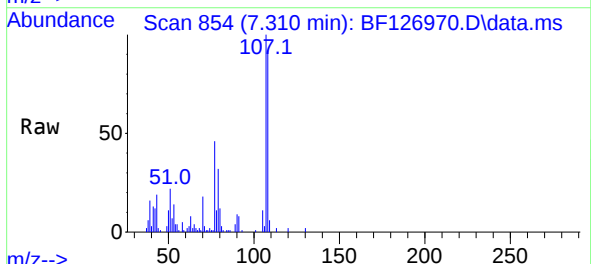
Tgt Ion: 70 Resp: 20958
Ion Ratio Lower Upper
70 100
42 56.0 45.8 68.8
101 11.0 6.9 10.3
130 21.1 14.4 21.6

Manual Integrations
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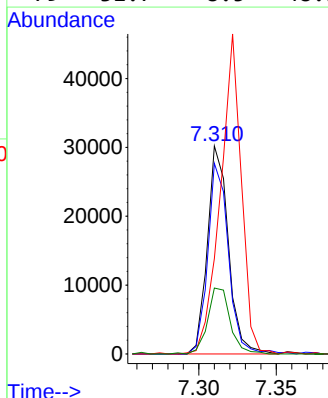
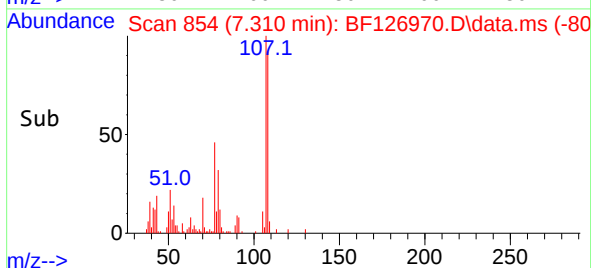
Reviewed By :Christian Giraldo 02/22/2022
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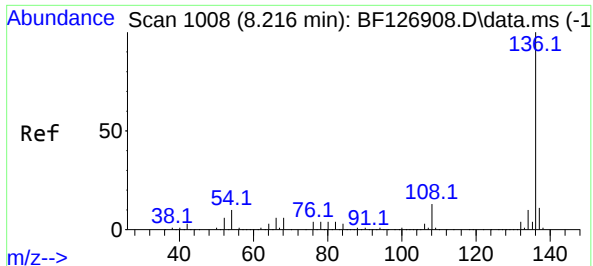


#20
3+4-Methylphenols
Concen: 3.775 ng
RT: 7.310 min Scan# 854
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



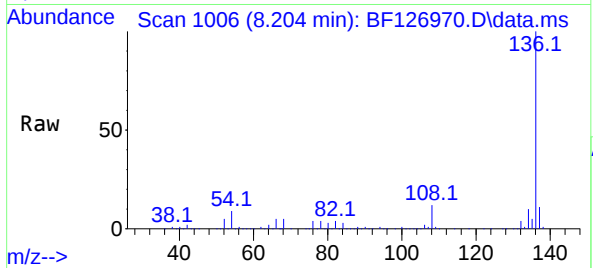
Tgt Ion:107 Resp: 28458
Ion Ratio Lower Upper
107 100
108 91.7 72.4 112.4
77 45.8 83.8 123.8
79 31.7 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

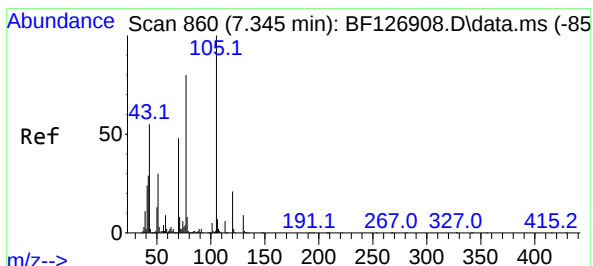
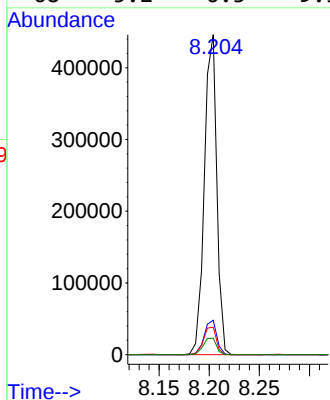
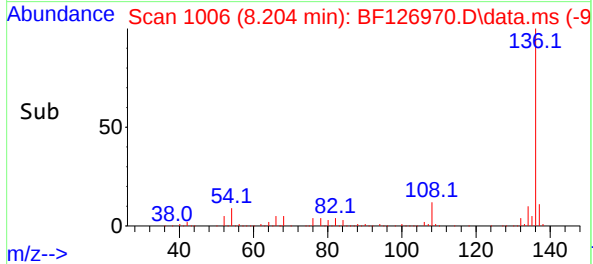
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:136 Resp: 38611
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.6 7.8 11.6
68 5.2 6.3 9.5#

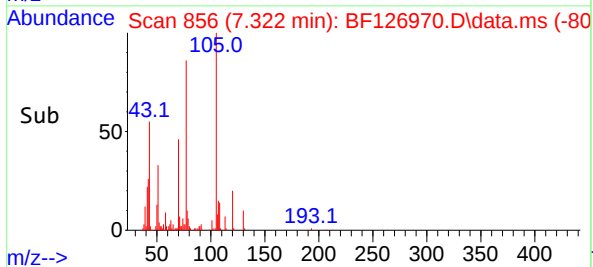
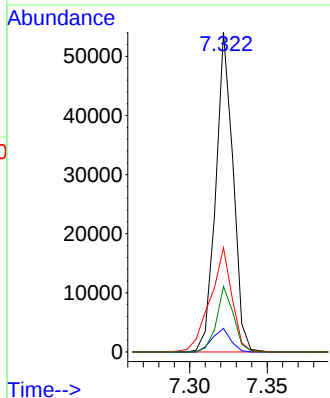
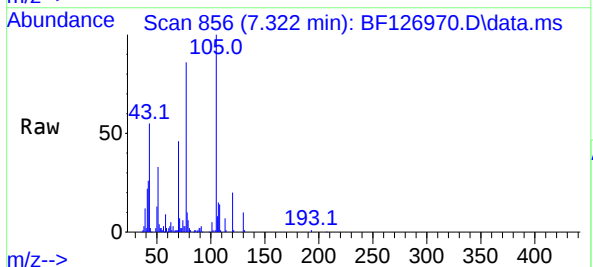
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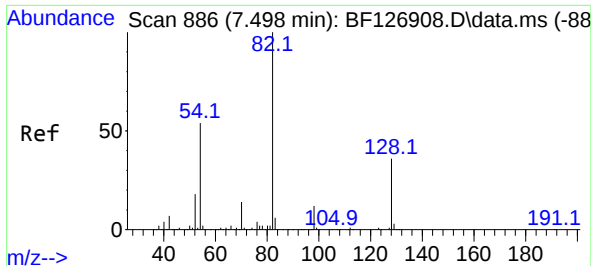
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#22
Acetophenone
Concen: 4.131 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

Tgt Ion:105 Resp: 41999
Ion Ratio Lower Upper
105 100
71 7.3 5.4 8.0
51 32.6 27.4 41.0
120 20.5 17.0 25.6





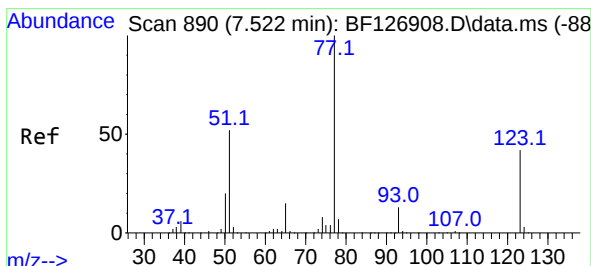
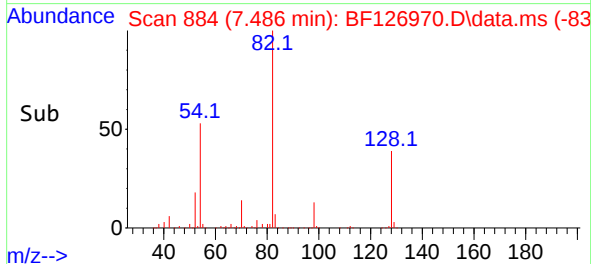
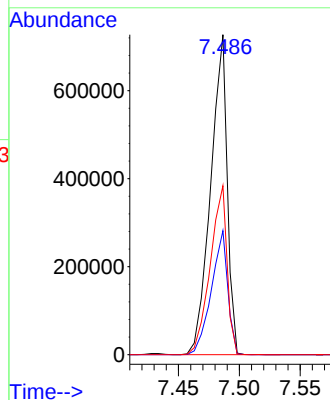
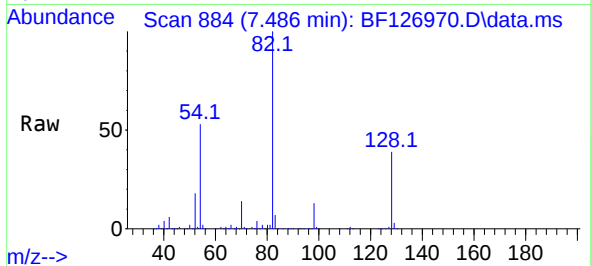
#23
Nitrobenzene-d5
Concen: 80.305 ng
RT: 7.486 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion: 82 Resp: 68694
Ion Ratio Lower Upper
82 100
128 38.8 32.7 49.1
54 52.8 41.7 62.5

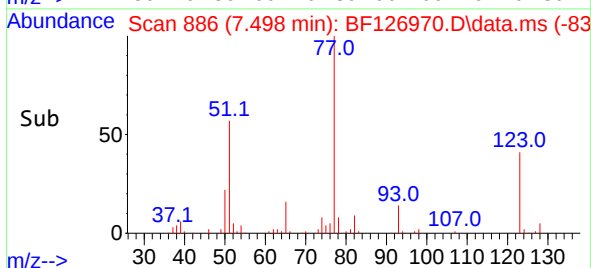
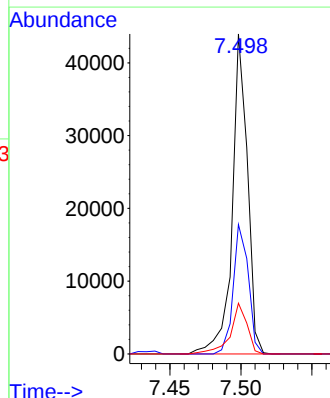
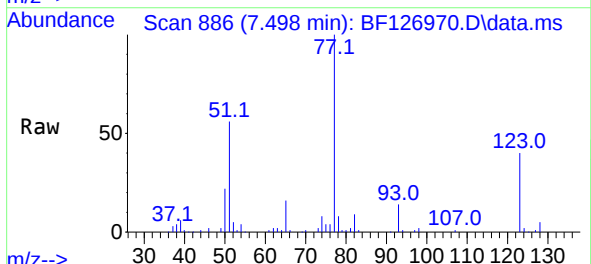
Manual Integrations
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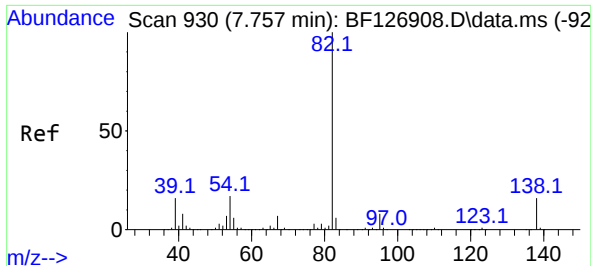
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#24
Nitrobenzene
Concen: 4.060 ng
RT: 7.498 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

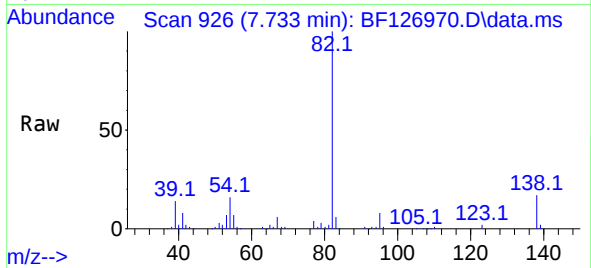
Tgt Ion: 77 Resp: 32809
Ion Ratio Lower Upper
77 100
123 40.5 34.6 52.0
65 15.9 10.6 15.8





#25
Isophorone
Concen: 3.972 ng
RT: 7.733 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

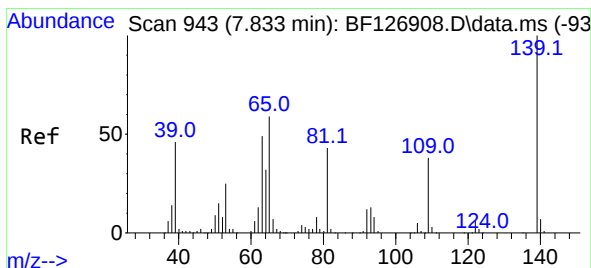
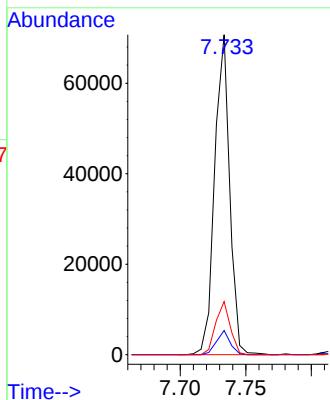
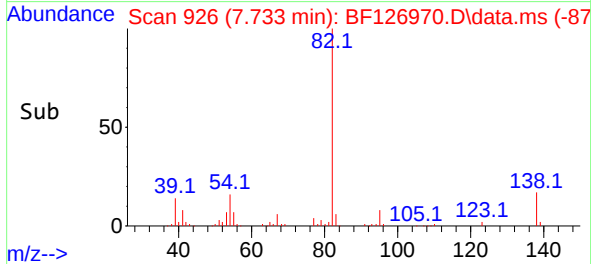
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



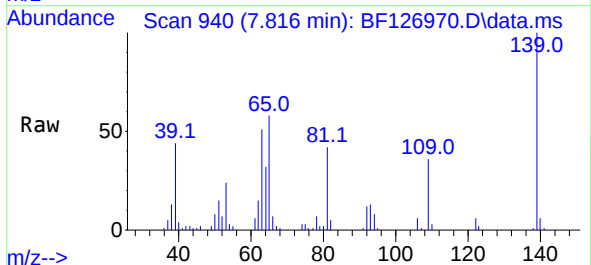
Tgt Ion: 82 Resp: 56220
Ion Ratio Lower Upper
82 100
95 7.6 5.0 7.4
138 16.6 12.3 18.5

Manual Integrations
APPROVED

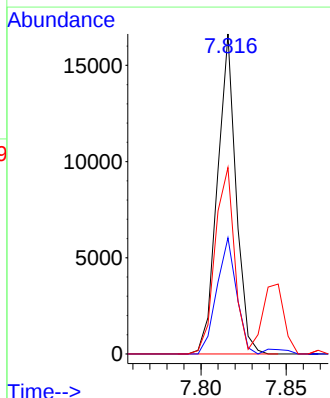
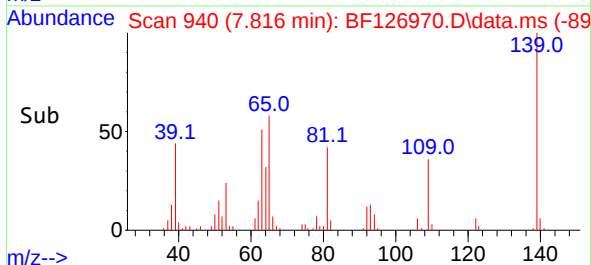
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

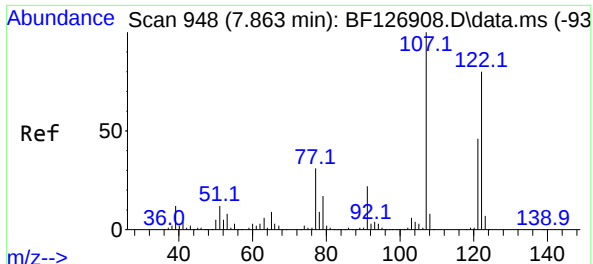


#26
2-Nitrophenol
Concen: 3.684 ng
RT: 7.816 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



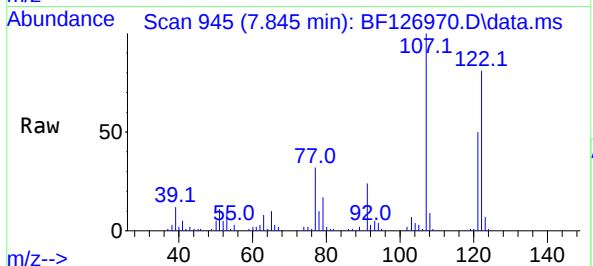
Tgt Ion:139 Resp: 12676
Ion Ratio Lower Upper
139 100
109 36.3 20.0 30.0
65 58.2 40.8 61.2





#27
2,4-Dimethylphenol
Concen: 4.231 ng
RT: 7.845 min Scan# 948
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

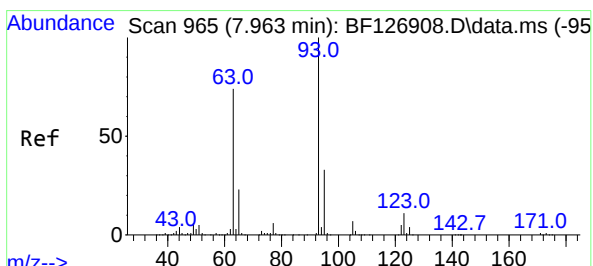
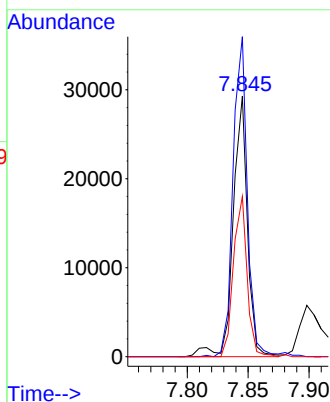
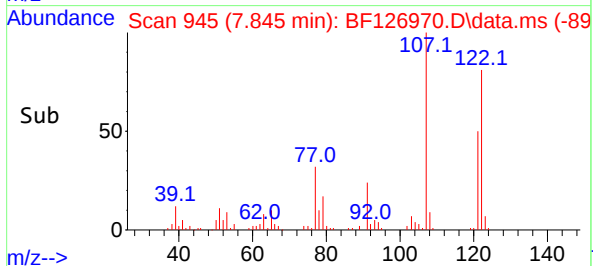
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



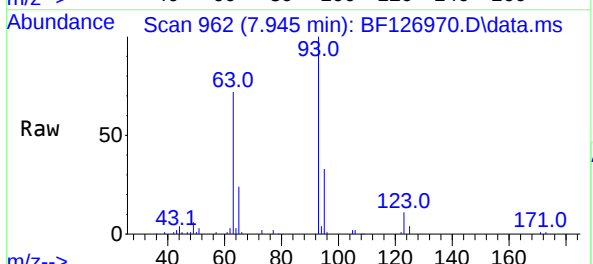
Tgt Ion:122 Resp: 2391
Ion Ratio Lower Upper
122 100
107 122.9 91.2 136.8
121 61.5 44.4 66.6

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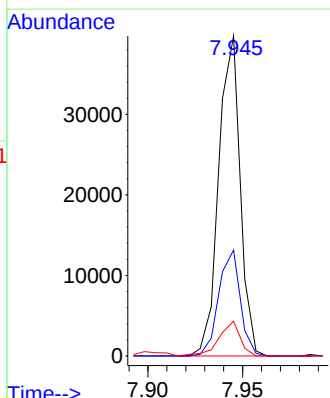
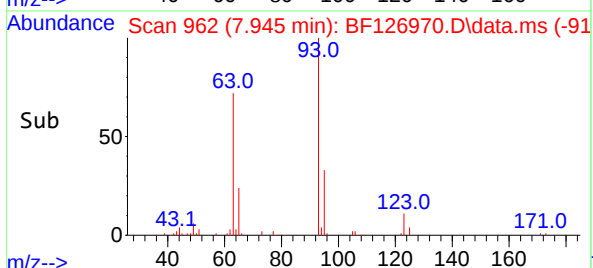
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

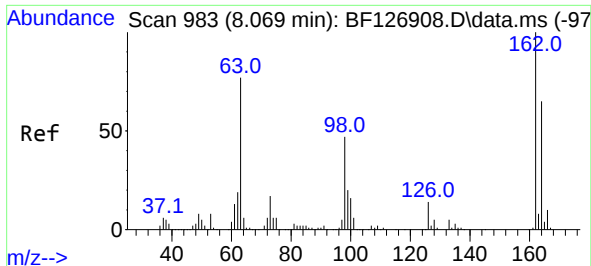


#28
bis(2-Chloroethoxy)methane
Concen: 3.660 ng
RT: 7.945 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



Tgt Ion: 93 Resp: 31412
Ion Ratio Lower Upper
93 100
95 33.1 25.4 38.2
123 10.8 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 3.652 ng

RT: 8.051 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF126970.D

Acq: 21 Feb 2022 13:34

Instrument :

BNA_F

ClientSampleId :

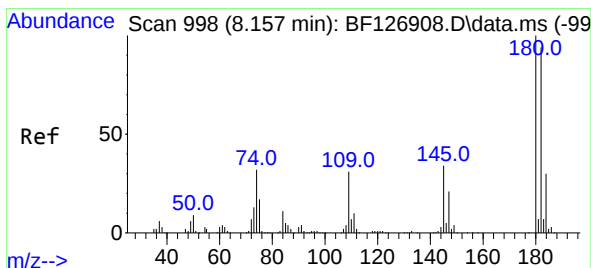
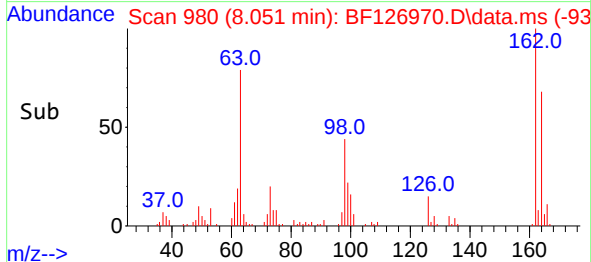
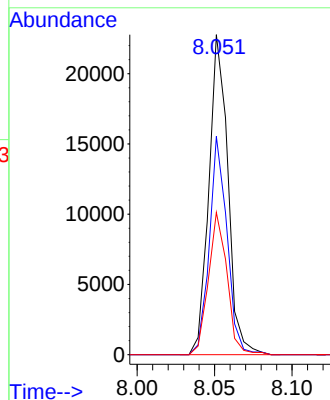
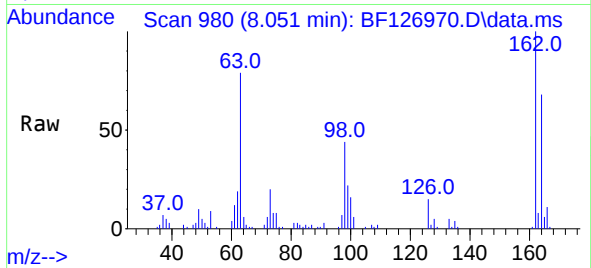
MDL-SOIL-03-QT4-2021

Tgt Ion:162	Resp:	1940
Ion Ratio	Lower	Upper
162	100	
164	68.2	43.8 83.8
98	44.4	23.6 63.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/22/2022



#30

1,2,4-Trichlorobenzene

Concen: 3.761 ng

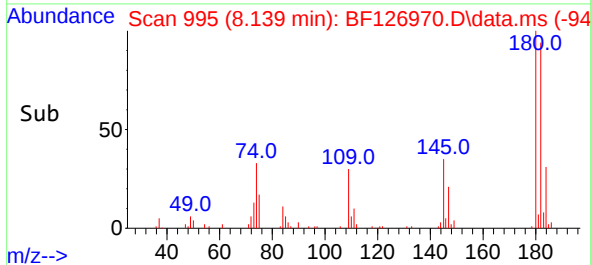
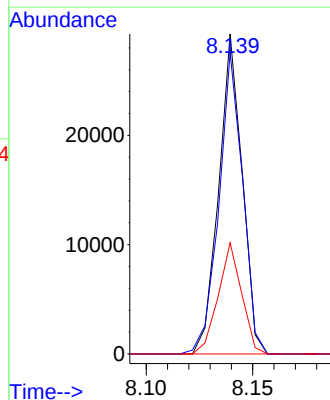
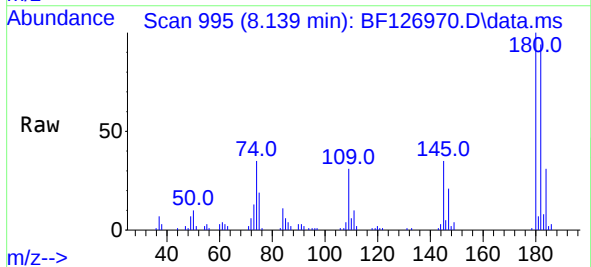
RT: 8.139 min Scan# 995

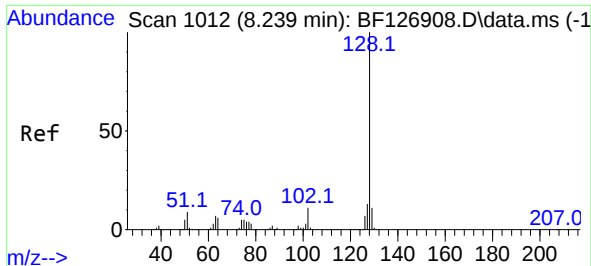
Delta R.T. -0.006 min

Lab File: BF126970.D

Acq: 21 Feb 2022 13:34

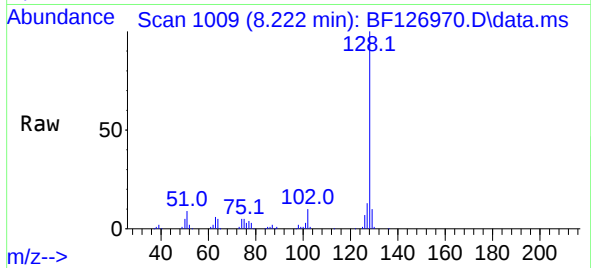
Tgt Ion:180	Resp:	22346
Ion Ratio	Lower	Upper
180	100	
182	94.3	75.5 113.3
145	34.8	26.2 39.2





#31
Naphthalene
Concen: 3.943 ng
RT: 8.222 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

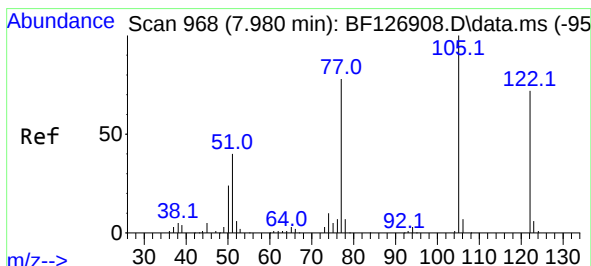
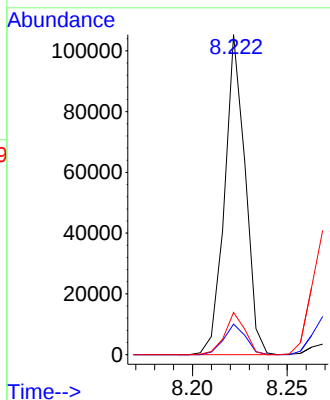
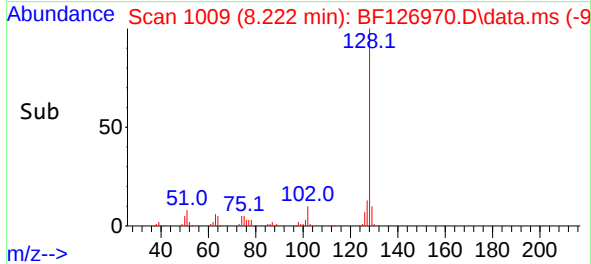
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



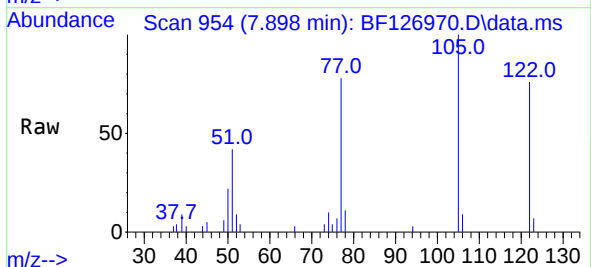
Tgt Ion:128 Resp: 7948
Ion Ratio Lower Upper
128 100
129 9.5 8.6 13.0
127 13.2 10.3 15.5

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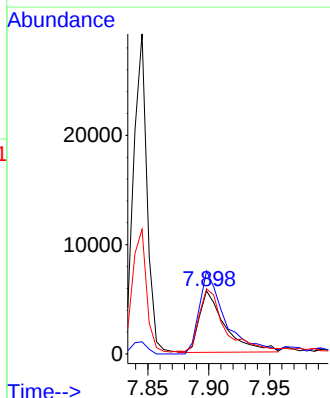
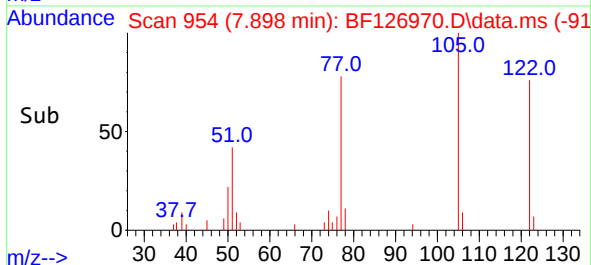
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

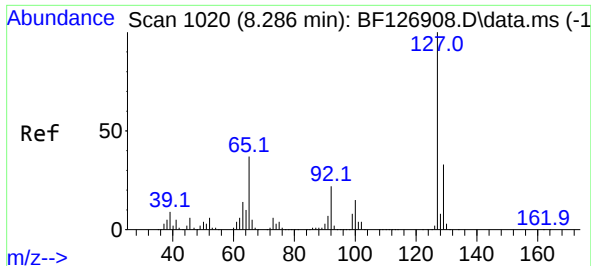


#32
Benzoic acid
Concen: 2.072 ng
RT: 7.898 min Scan# 954
Delta R.T. -0.071 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



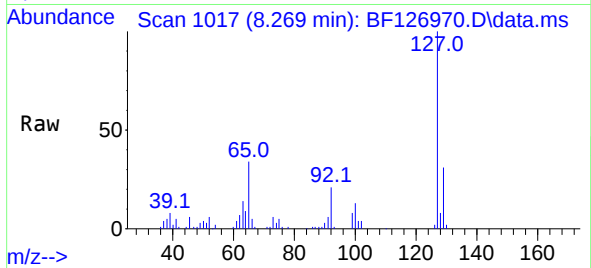
Tgt Ion:122 Resp: 8307
Ion Ratio Lower Upper
122 100
105 131.6 101.0 141.0
77 103.1 74.5 114.5





#33
4-Chloroaniline
Concen: 3.983 ng
RT: 8.269 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

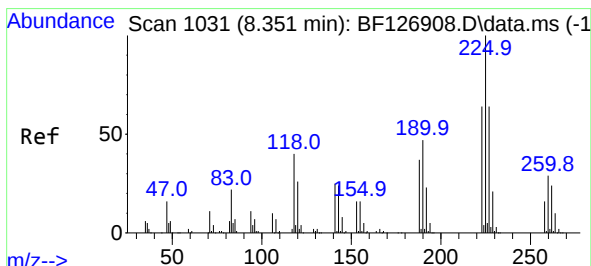
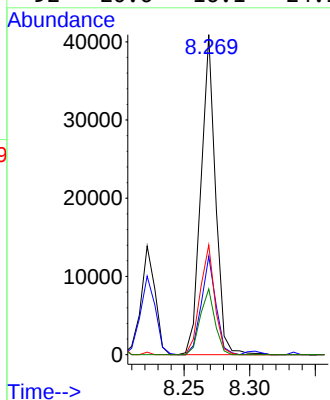
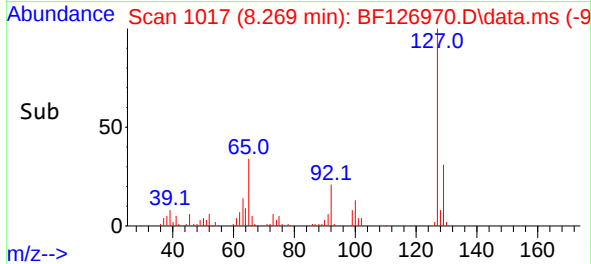
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



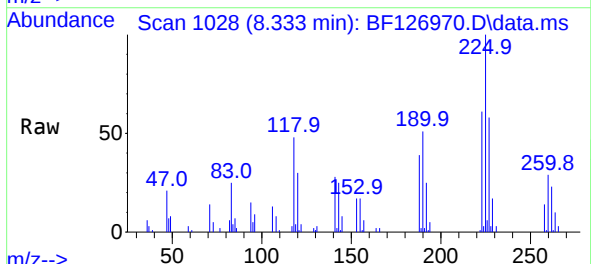
Tgt Ion:127 Resp: 31590
Ion Ratio Lower Upper
127 100
129 30.7 26.5 39.7
65 34.3 26.6 39.8
92 20.6 16.1 24.1

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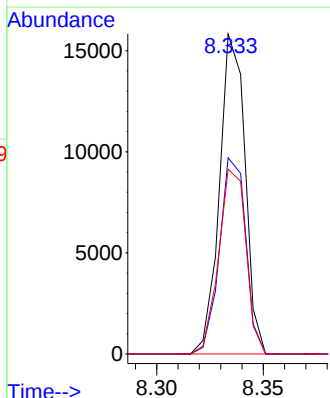
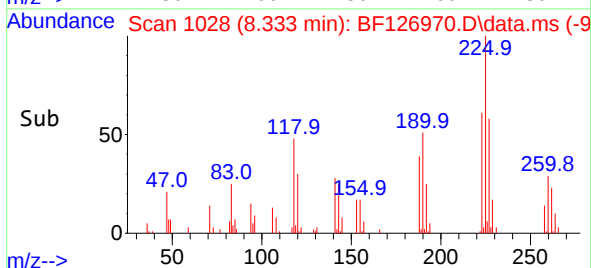
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

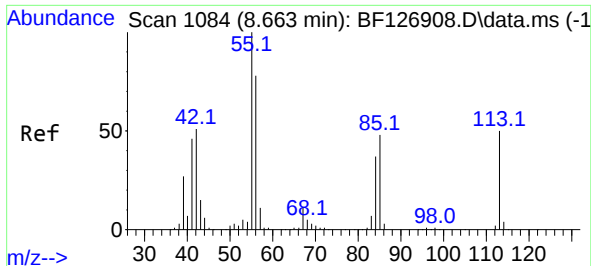


#34
Hexachlorobutadiene
Concen: 3.806 ng
RT: 8.333 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



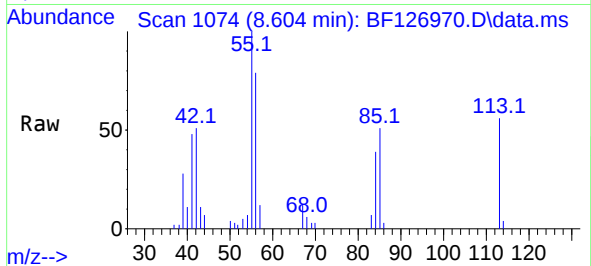
Tgt Ion:225 Resp: 13202
Ion Ratio Lower Upper
225 100
223 61.3 48.6 73.0
227 57.8 51.4 77.0





#35
Caprolactam
Concen: 3.445 ng
RT: 8.604 min Scan# 1097
Delta R.T. -0.047 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

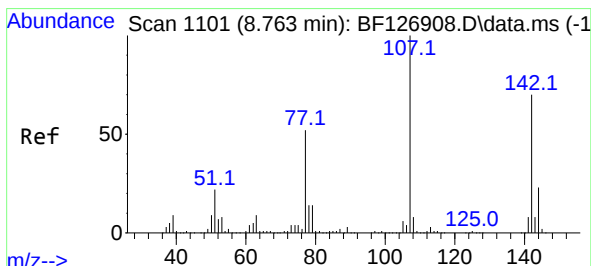
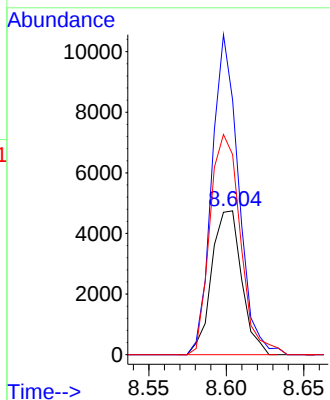
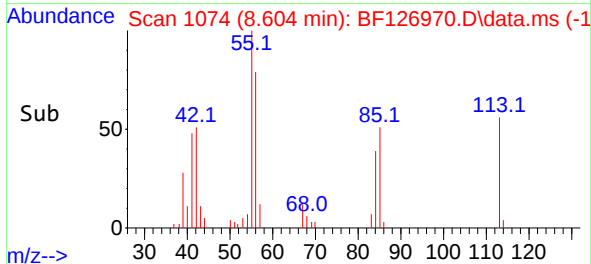
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:113 Resp: 639
Ion Ratio Lower Upper
113 100
55 177.2 183.9 223.9
56 139.2 129.9 169.9

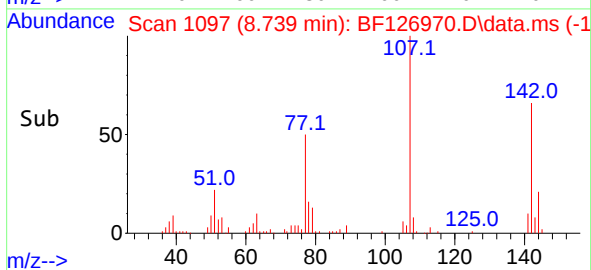
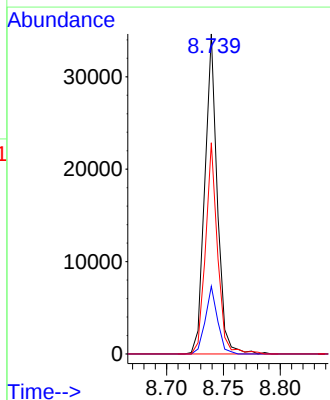
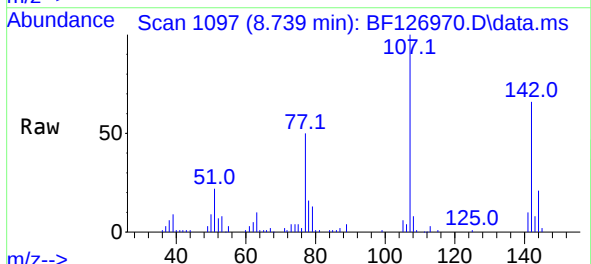
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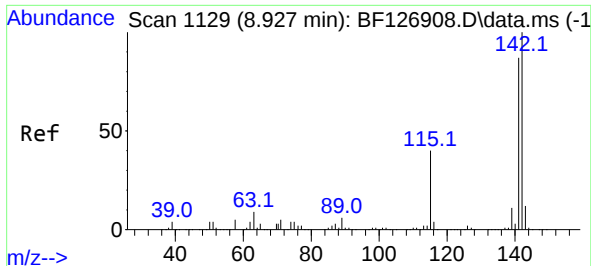
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#36
4-Chloro-3-methylphenol
Concen: 3.890 ng
RT: 8.739 min Scan# 1097
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

Tgt Ion:107 Resp: 26420
Ion Ratio Lower Upper
107 100
144 21.2 18.5 27.7
142 66.0 58.1 87.1





#37

2-Methylnaphthalene

Concen: 3.796 ng

RT: 8.916 min Scan# 1127

Delta R.T. -0.000 min

Lab File: BF126970.D

Acq: 21 Feb 2022 13:34

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:142 Resp: 4964

Ion Ratio Lower Upper

142 100

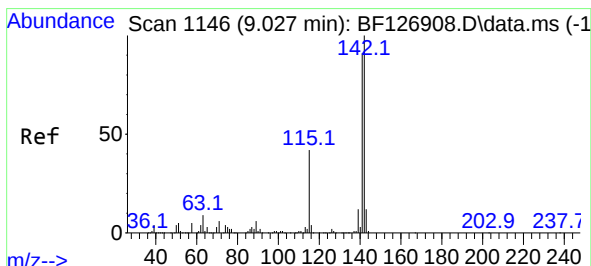
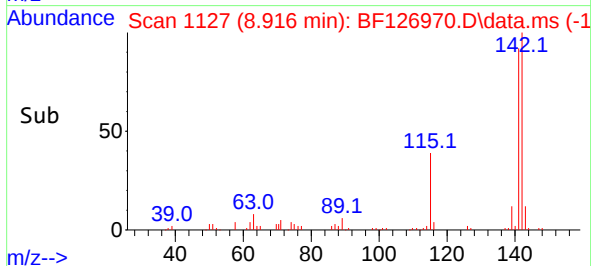
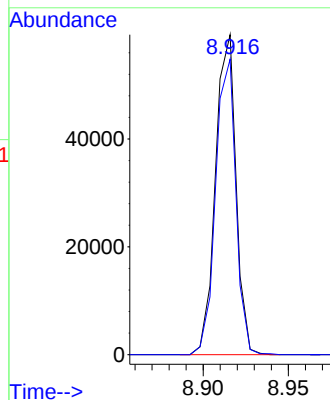
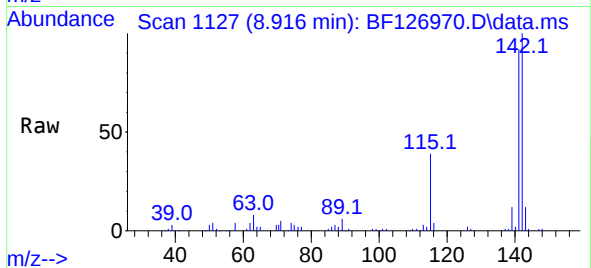
141 92.3 68.6 102.8

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Supervised By :Jagrut Upadhyay 02/22/2022



#38

1-Methylnaphthalene

Concen: 3.923 ng

RT: 9.016 min Scan# 1144

Delta R.T. -0.000 min

Lab File: BF126970.D

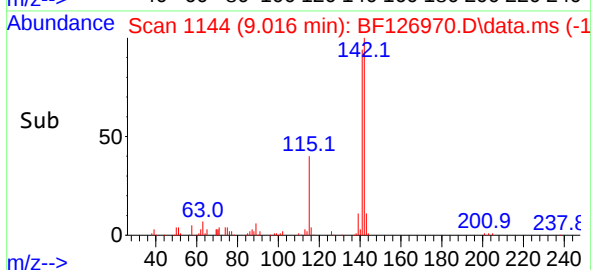
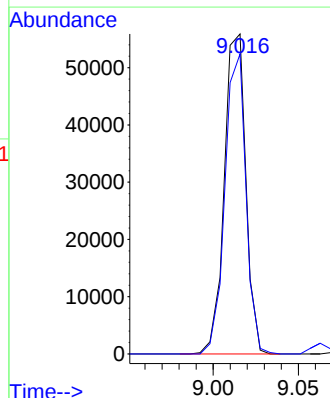
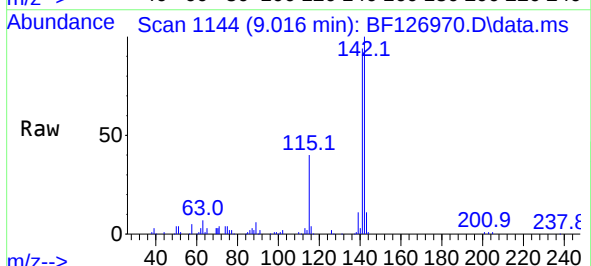
Acq: 21 Feb 2022 13:34

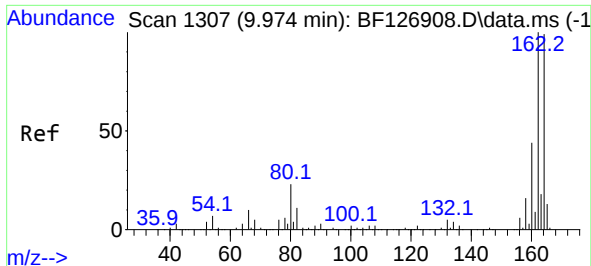
Tgt Ion:142 Resp: 49128

Ion Ratio Lower Upper

142 100

141 93.7 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF126970.D

Acq: 21 Feb 2022 13:34

Instrument :

BNA_F

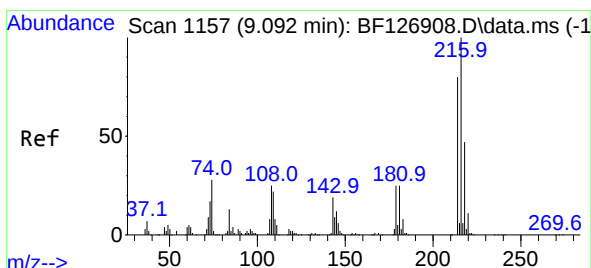
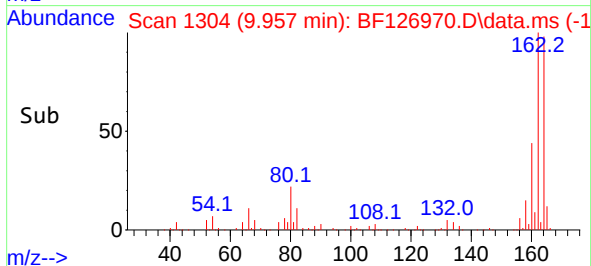
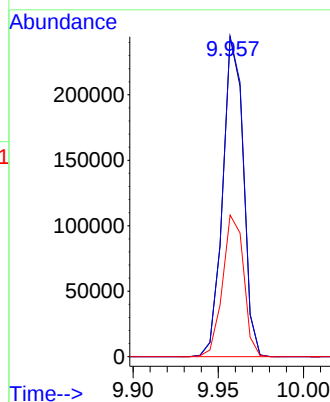
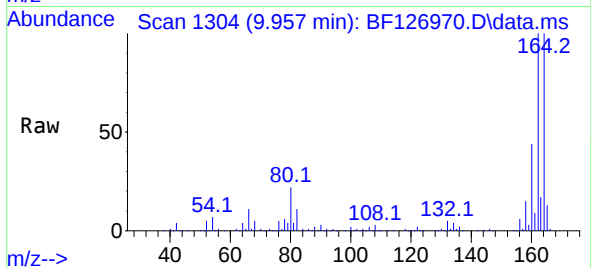
ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:164 Resp: 20483
 Ion Ratio Lower Upper
 164 100
 162 100.1 81.4 122.0
 160 44.3 36.6 54.8

Manual Integrations
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 Supervised By :Jagrut Upadhyay 02/22/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.928 ng

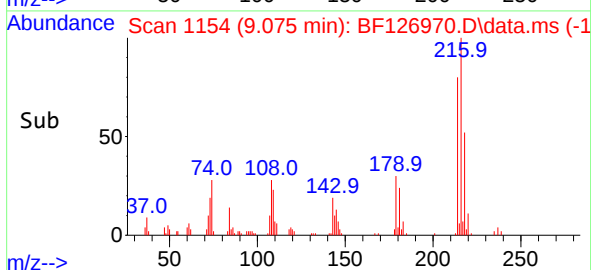
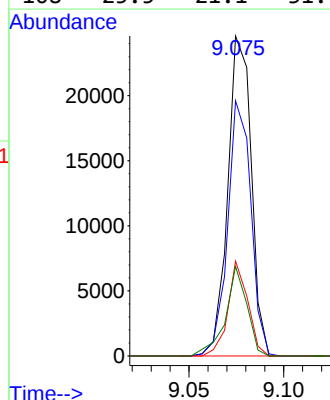
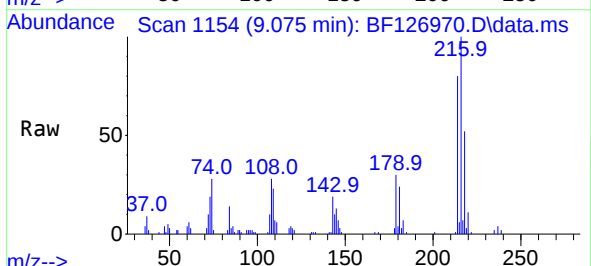
RT: 9.075 min Scan# 1154

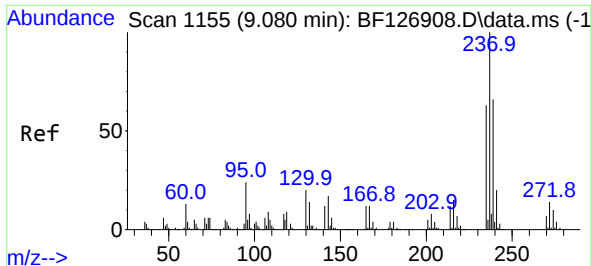
Delta R.T. -0.006 min

Lab File: BF126970.D

Acq: 21 Feb 2022 13:34

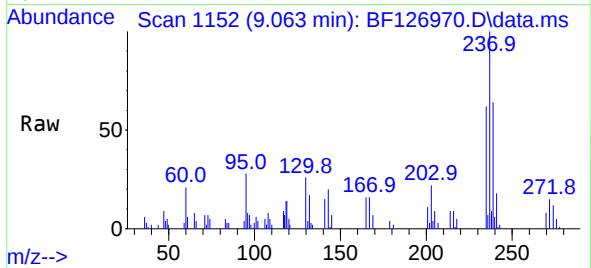
Tgt Ion:216 Resp: 21178
 Ion Ratio Lower Upper
 216 100
 214 79.0 64.6 96.8
 179 25.1 19.5 29.3
 108 25.5 21.1 31.7





#41
Hexachlorocyclopentadiene
Concen: 3.207 ng
RT: 9.063 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

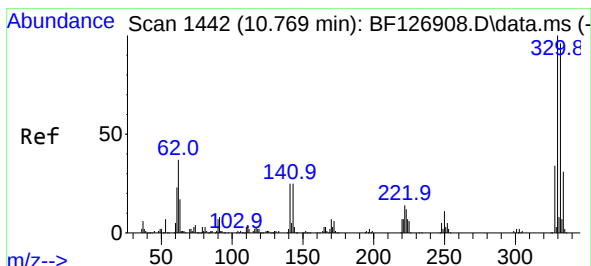
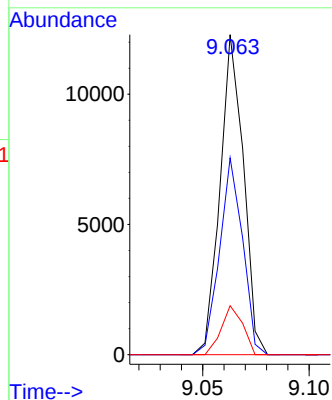
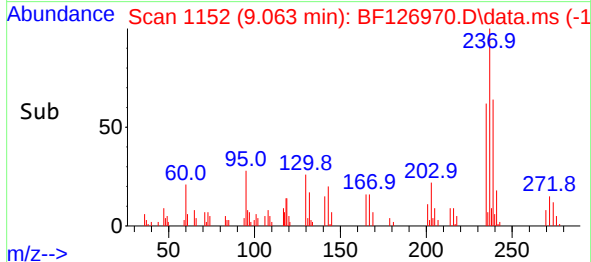
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



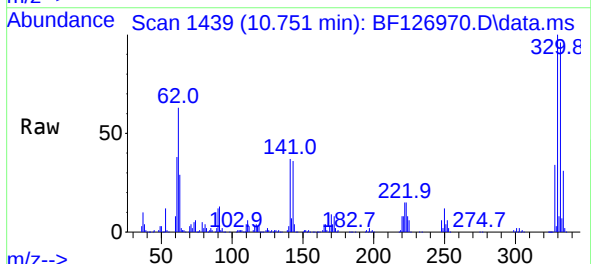
Tgt Ion:237 Resp: 9379
Ion Ratio Lower Upper
237 100
235 61.5 38.9 78.9
272 15.3 0.0 33.5

Manual Integrations
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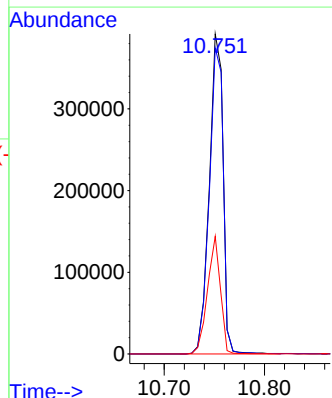
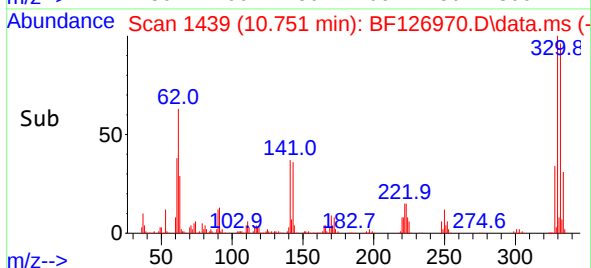
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

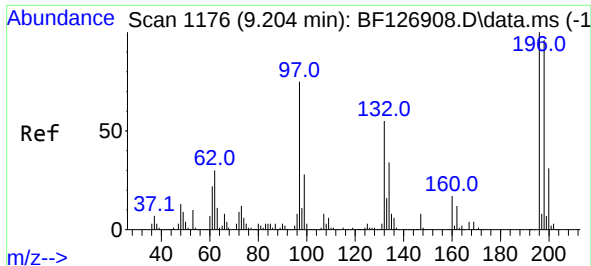


#42
2,4,6-Tribromophenol
Concen: 159.194 ng
RT: 10.751 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



Tgt Ion:330 Resp: 375438
Ion Ratio Lower Upper
330 100
332 97.3 76.0 114.0
141 34.8 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 3.643 ng

RT: 9.186 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF126970.D

Acq: 21 Feb 2022 13:34

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

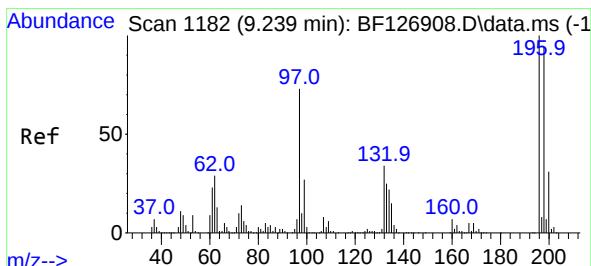
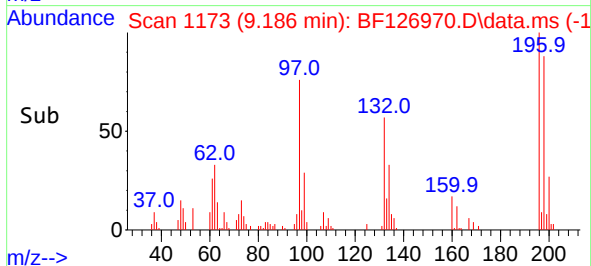
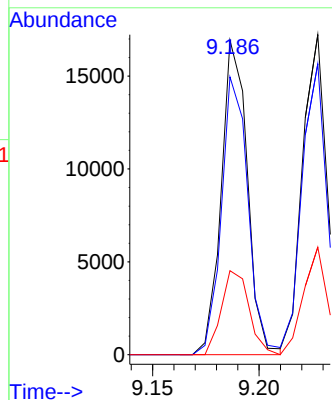
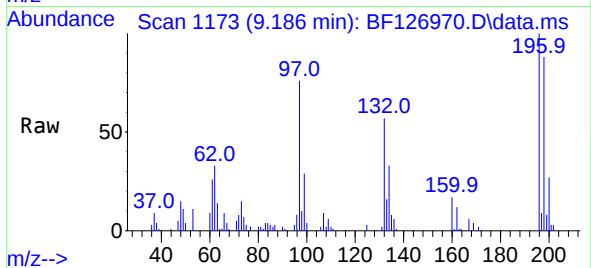
Tgt Ion:196	Resp:	1440
Ion Ratio	Lower	Upper
196	100	
198	88.3	78.5 117.7
200	26.7	24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/22/2022

Supervised By :Jagrut Upadhyay 02/22/2022



#44

2,4,5-Trichlorophenol

Concen: 3.511 ng

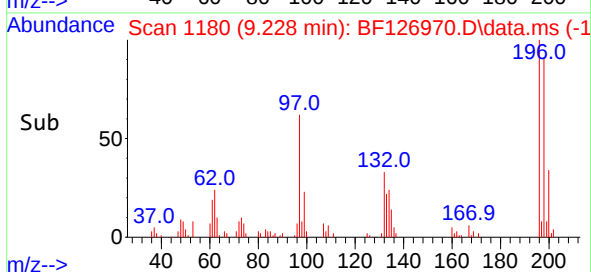
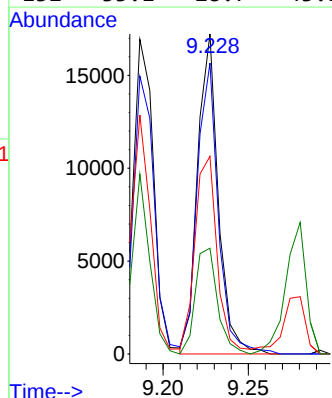
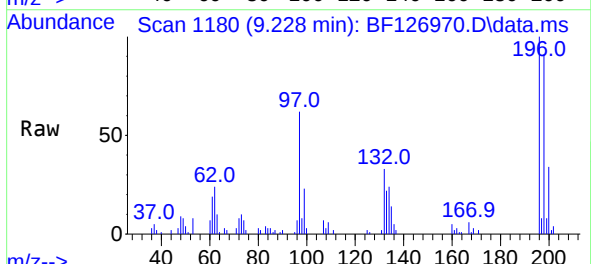
RT: 9.228 min Scan# 1180

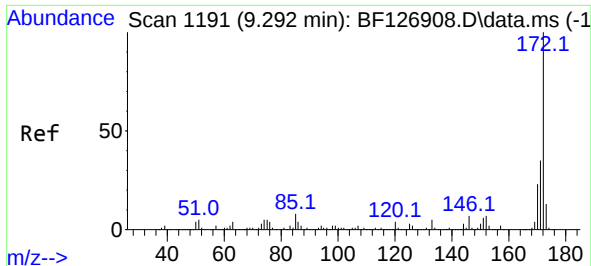
Delta R.T. -0.006 min

Lab File: BF126970.D

Acq: 21 Feb 2022 13:34

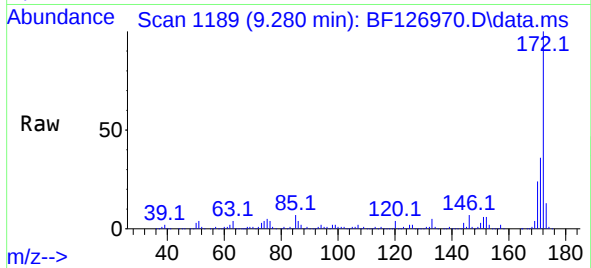
Tgt Ion:196	Resp:	14610
Ion Ratio	Lower	Upper
196	100	
198	90.9	82.0 123.0
97	61.7	53.5 80.3
132	33.1	28.7 43.1





#45
2-Fluorobiphenyl
Concen: 80.367 ng
RT: 9.280 min Scan# 1189
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

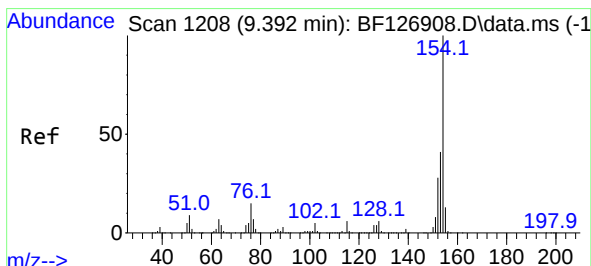
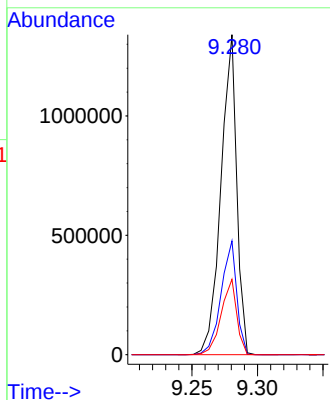
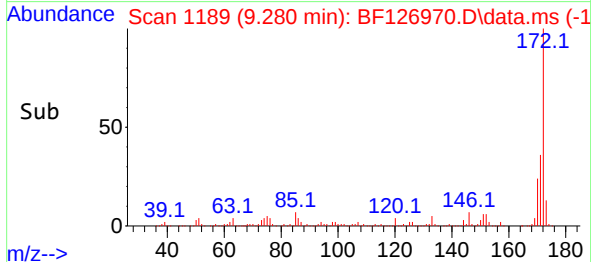
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



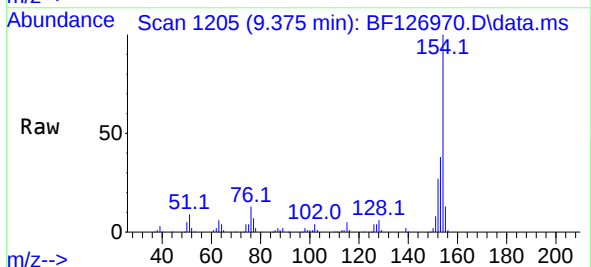
Tgt Ion:172 Resp: 1118214
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.6 19.0 28.6

Manual Integrations
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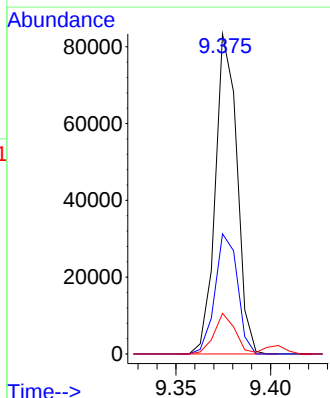
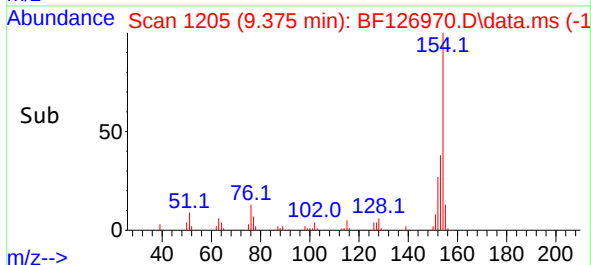
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

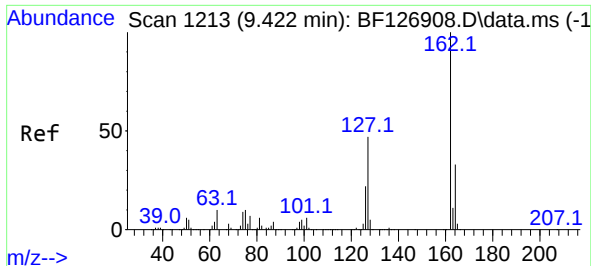


#46
1,1'-Biphenyl
Concen: 4.088 ng
RT: 9.375 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



Tgt Ion:154 Resp: 66335
Ion Ratio Lower Upper
154 100
153 37.6 19.0 59.0
76 12.7 0.0 34.5





#47

2-Chloronaphthalene

Concen: 3.777 ng

RT: 9.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126970.D

Acq: 21 Feb 2022 13:34

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:162 Resp: 45450

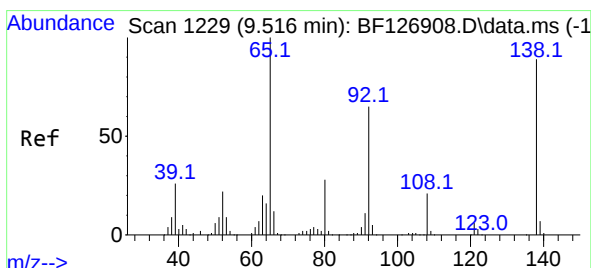
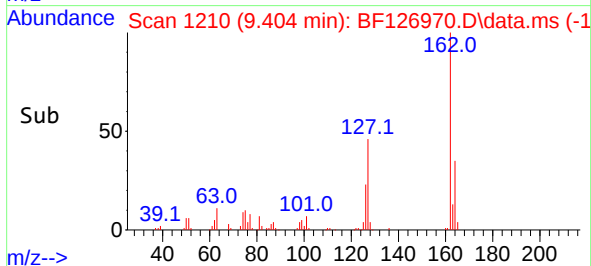
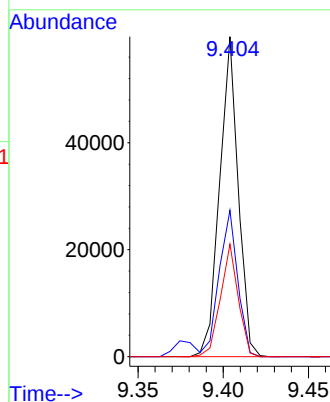
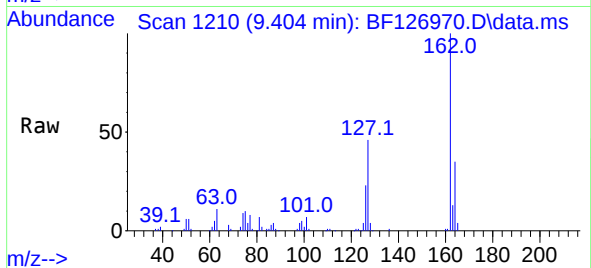
Ion	Ratio	Lower	Upper
162	100		
127	45.8	33.5	50.3
164	35.1	26.2	39.4

Manual Integrations

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Reviewed By :Christian Giraldo 02/22/2022

Supervised By :Jagrut Upadhyay 02/22/2022



#48

2-Nitroaniline

Concen: 3.397 ng

RT: 9.498 min Scan# 1226

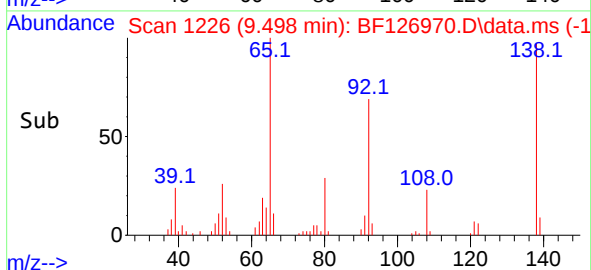
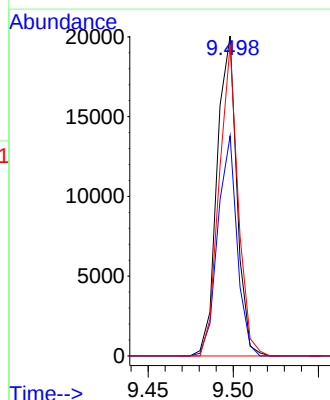
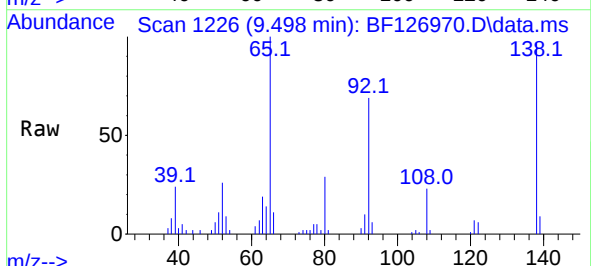
Delta R.T. -0.006 min

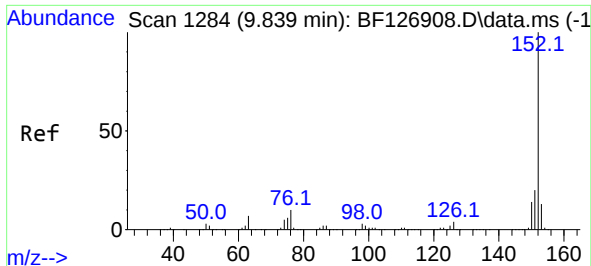
Lab File: BF126970.D

Acq: 21 Feb 2022 13:34

Tgt Ion: 65 Resp: 16132

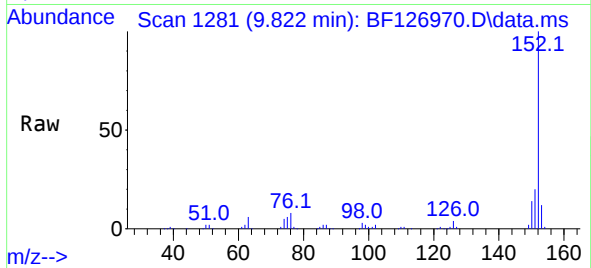
Ion	Ratio	Lower	Upper
65	100		
92	68.8	54.4	81.6
138	97.3	72.5	108.7





#49
Acenaphthylene
Concen: 3.955 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

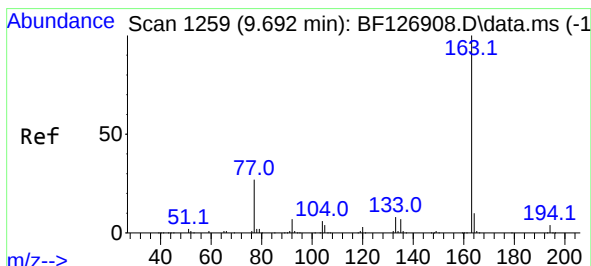
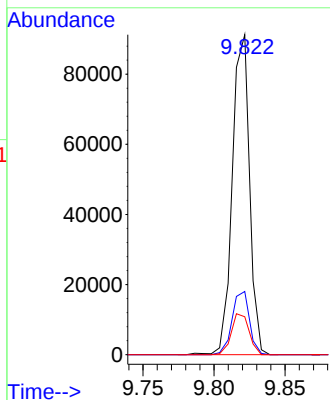
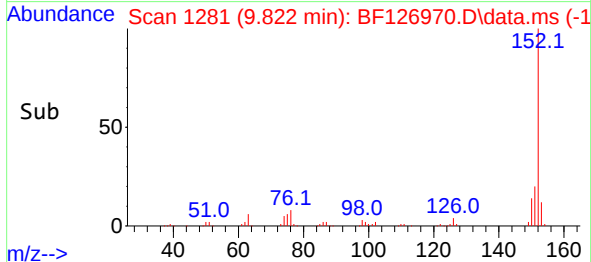
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



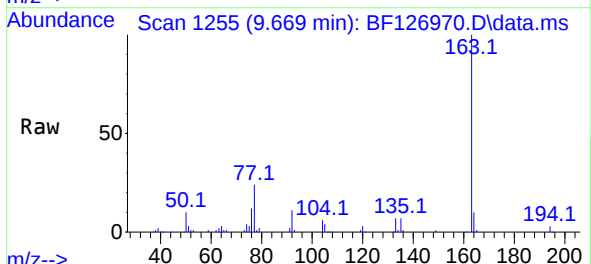
Tgt Ion:152 Resp: 77320
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 11.8 11.4 17.0

Manual Integrations
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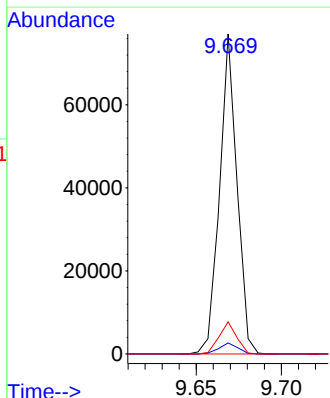
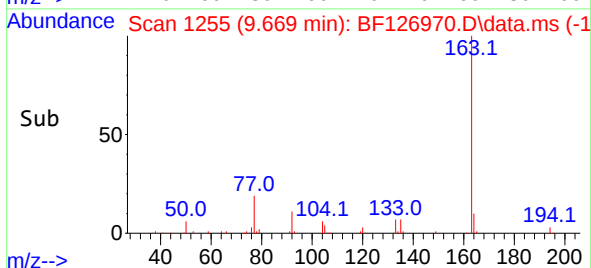
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

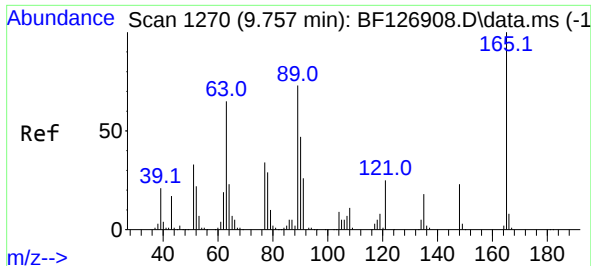


#50
Dimethylphthalate
Concen: 3.740 ng
RT: 9.669 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



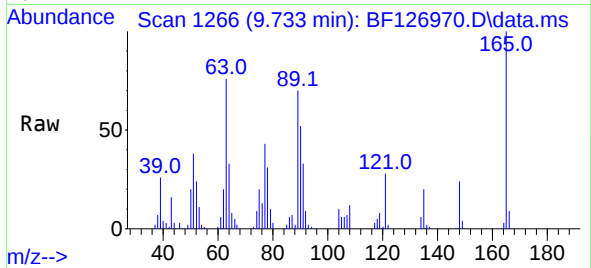
Tgt Ion:163 Resp: 54765
Ion Ratio Lower Upper
163 100
194 3.5 2.6 3.8
164 10.1 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 3.716 ng
RT: 9.733 min Scan# 1106
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

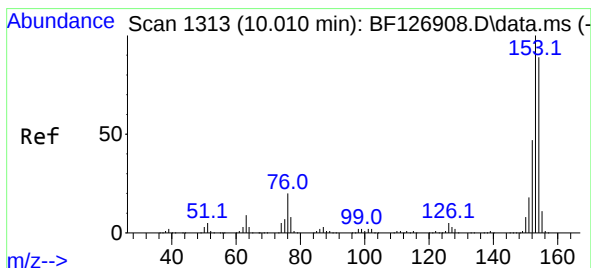
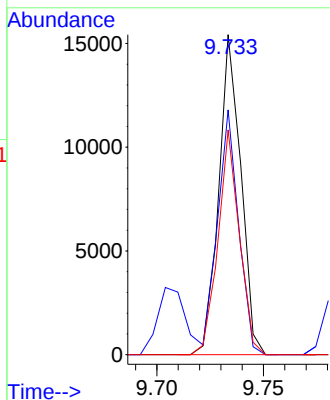
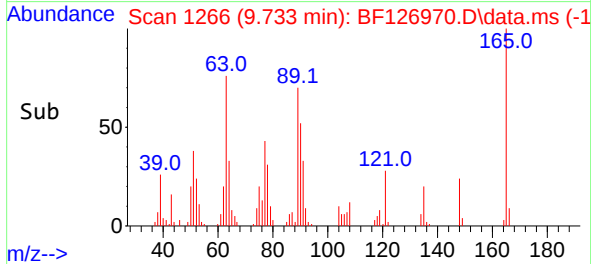
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:165 Resp: 11069
Ion Ratio Lower Upper
165 100
63 76.5 48.4 72.6
89 70.3 50.5 75.7

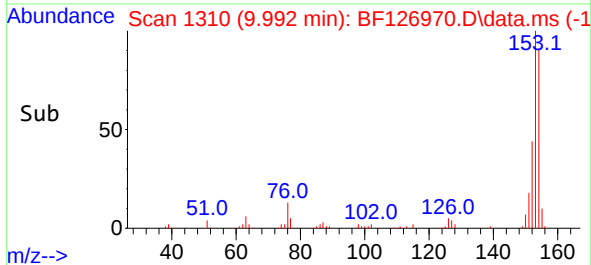
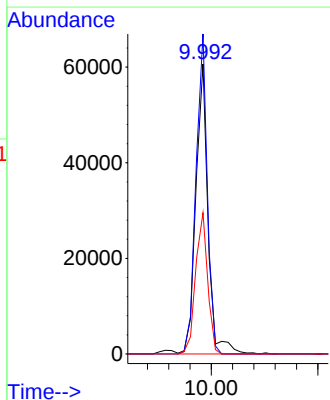
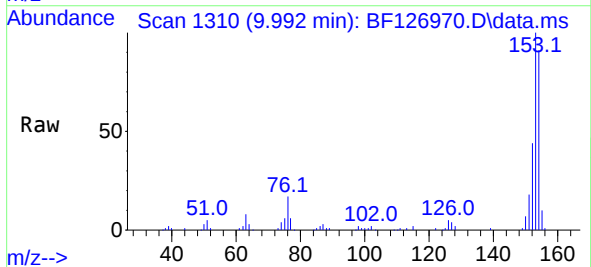
Manual Integrations
APPROVED

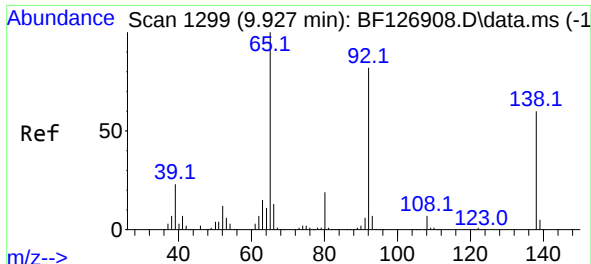
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#52
Acenaphthene
Concen: 3.781 ng
RT: 9.992 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

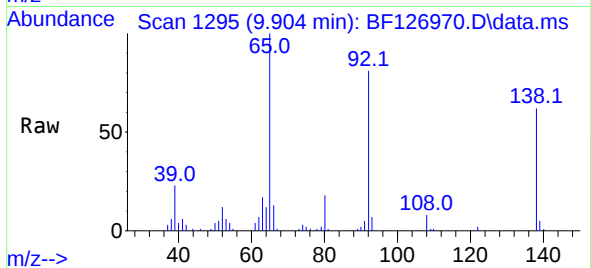
Tgt Ion:154 Resp: 48073
Ion Ratio Lower Upper
154 100
153 110.4 87.8 131.6
152 48.7 39.4 59.2





#53
3-Nitroaniline
Concen: 3.513 ng
RT: 9.904 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

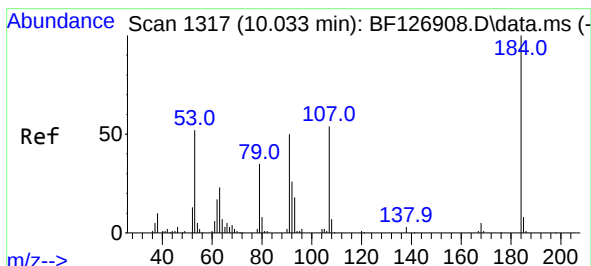
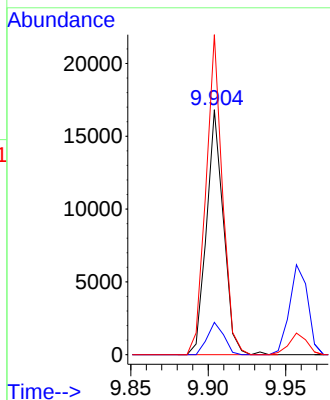
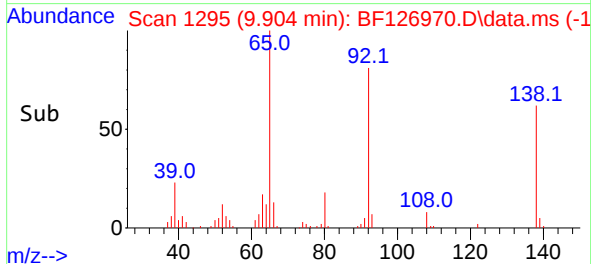
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



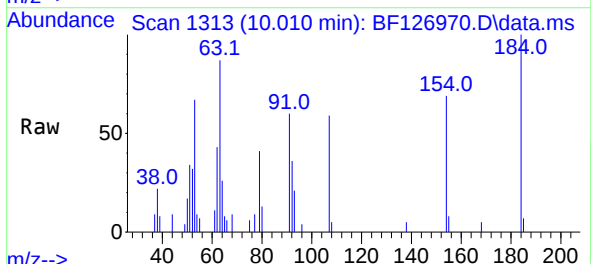
Tgt Ion:138 Resp: 12790
Ion Ratio Lower Upper
138 100
108 13.2 8.6 13.0
92 130.6 105.0 157.6

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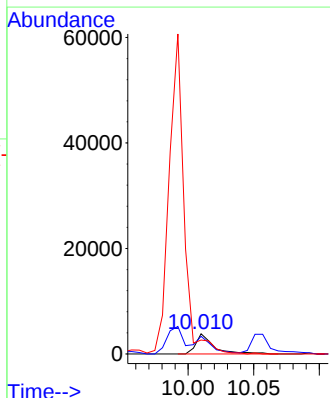
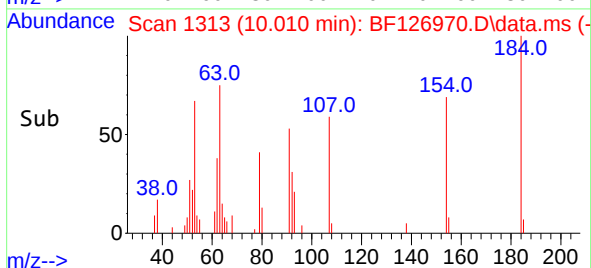
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

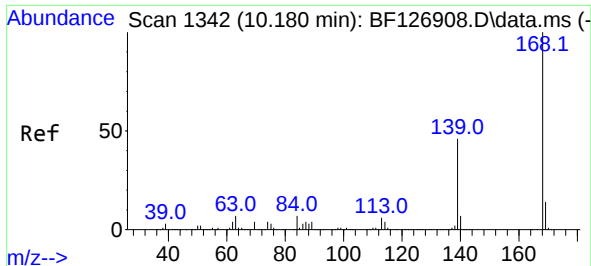


#54
2,4-Dinitrophenol
Concen: 2.274 ng
RT: 10.010 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



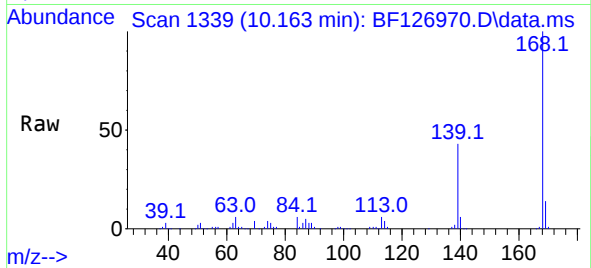
Tgt Ion:184 Resp: 3586
Ion Ratio Lower Upper
184 100
63 87.2 70.4 105.6
154 69.1 49.7 74.5





#55
Dibenzenofuran
Concen: 3.857 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

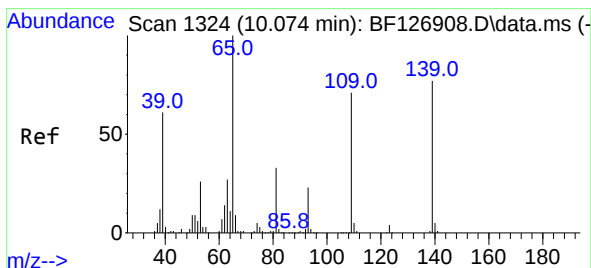
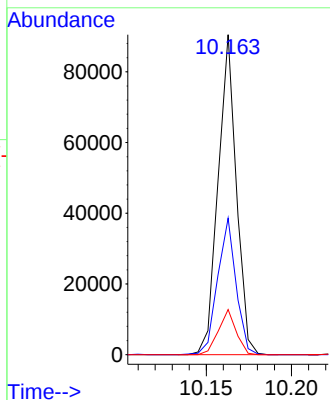
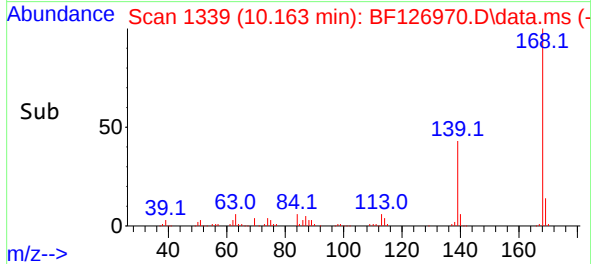
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



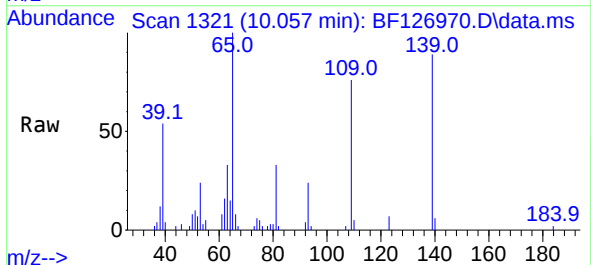
Tgt Ion:168 Resp: 67432
Ion Ratio Lower Upper
168 100
139 42.6 30.6 46.0
169 14.1 10.0 15.0

Manual Integrations
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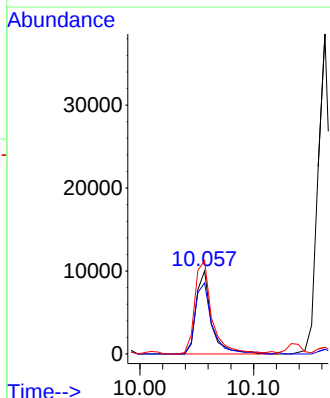
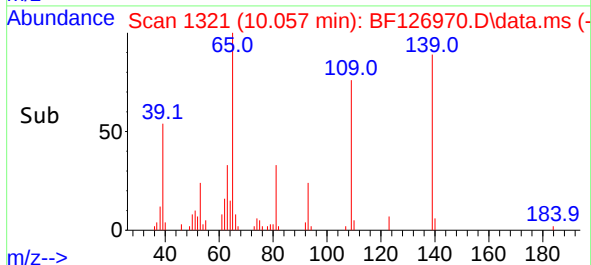
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

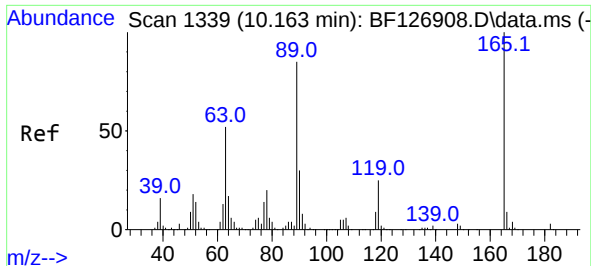


#56
4-Nitrophenol
Concen: 3.458 ng
RT: 10.057 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



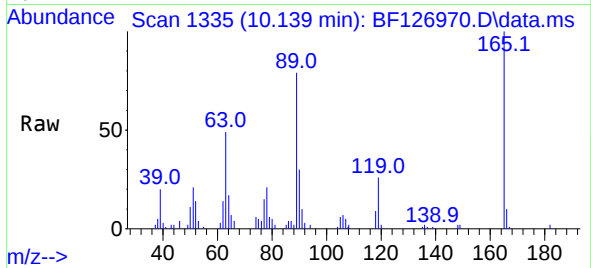
Tgt Ion:139 Resp: 9301
Ion Ratio Lower Upper
139 100
109 85.5 44.1 84.1#
65 112.4 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 3.542 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

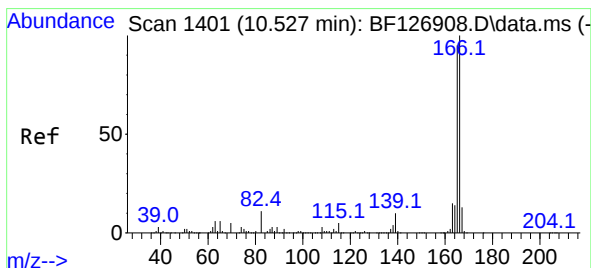
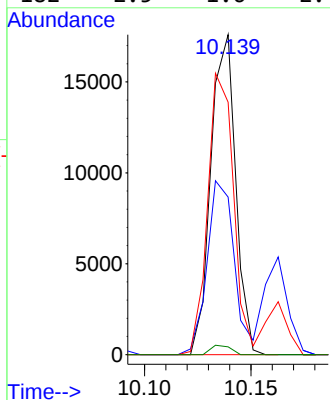
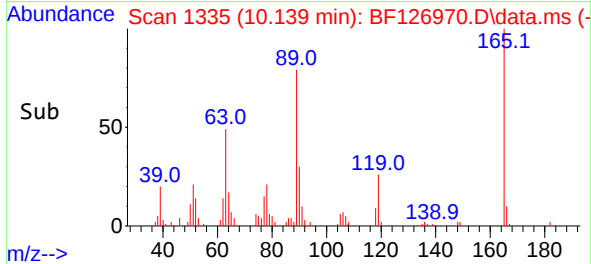
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



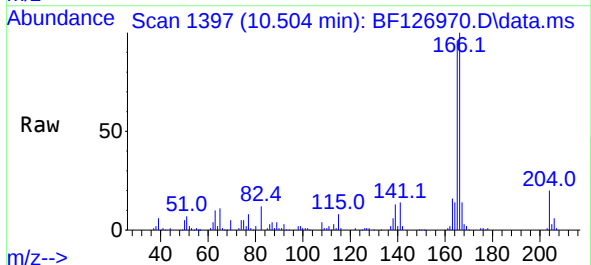
Tgt Ion:165 Resp: 1426
Ion Ratio Lower Upper
165 100
63 49.2 43.0 64.6
89 78.9 71.0 106.4
182 2.5 1.6 2.4#

Manual Integrations
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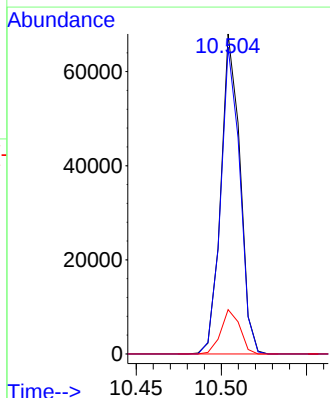
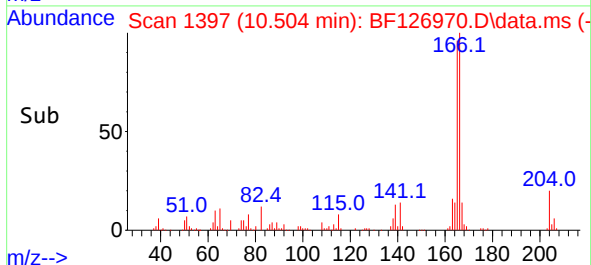
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

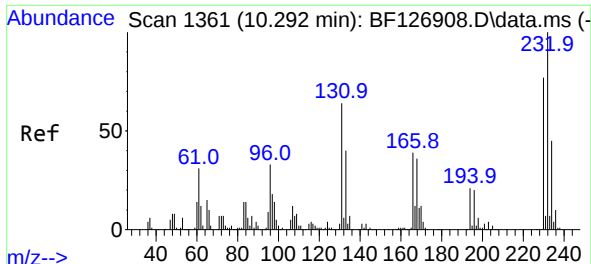


#58
Fluorene
Concen: 3.907 ng
RT: 10.504 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



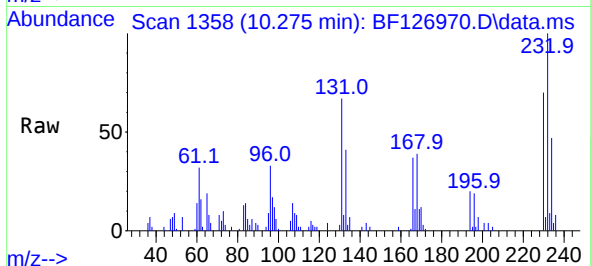
Tgt Ion:166 Resp: 53198
Ion Ratio Lower Upper
166 100
165 95.8 77.7 116.5
167 13.9 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.427 ng
RT: 10.275 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

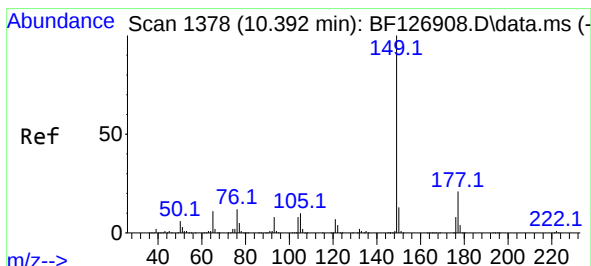
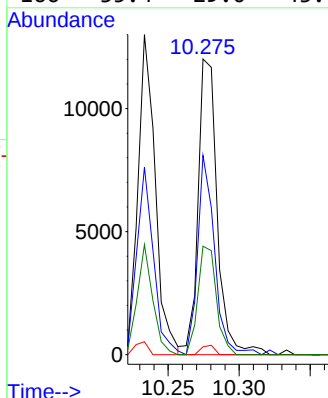
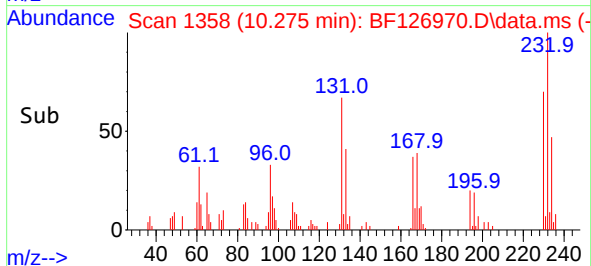
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



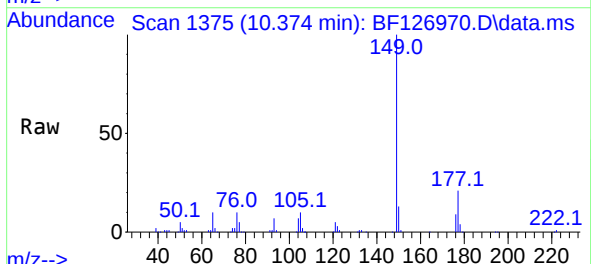
Tgt Ion:232 Resp: 1130
Ion Ratio Lower Upper
232 100
131 59.8 50.0 75.0
130 2.2 2.2 3.2
166 35.4 29.0 43.4

Manual Integrations
APPROVED

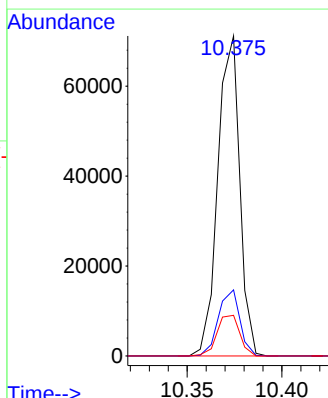
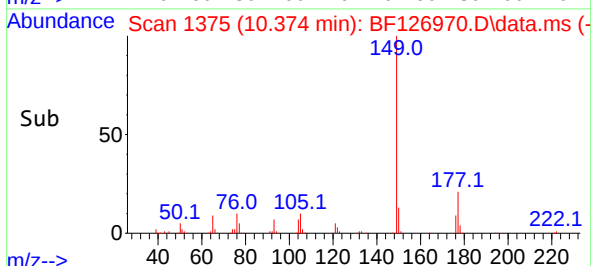
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

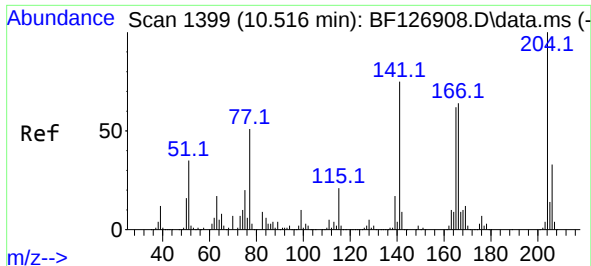


#60
Diethylphthalate
Concen: 3.742 ng
RT: 10.374 min Scan# 1375
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



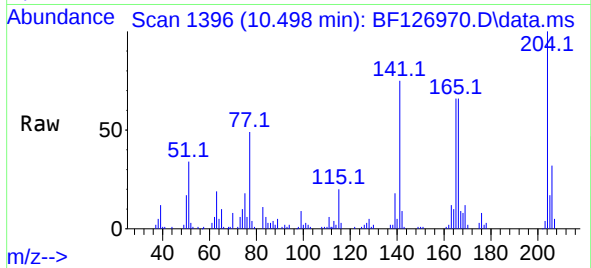
Tgt Ion:149 Resp: 57254
Ion Ratio Lower Upper
149 100
177 20.7 16.7 25.1
150 12.7 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 3.866 ng
RT: 10.498 min Scan# 1396
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

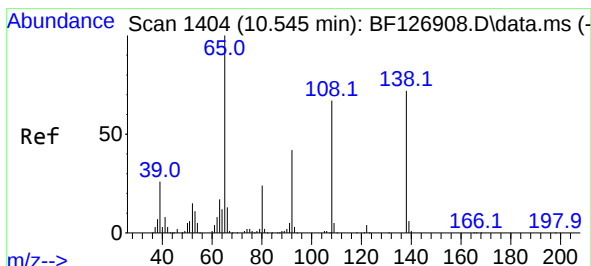
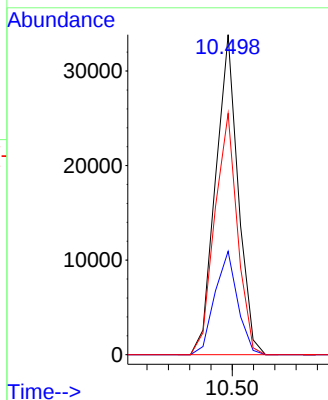
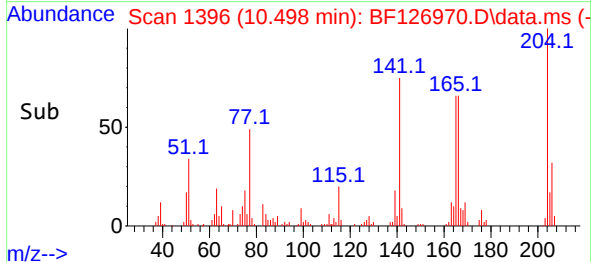
Instrument :
BNA_F
ClientSampleId :
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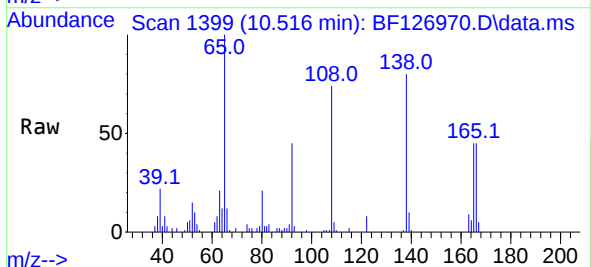
Tgt Ion:204 Resp: 2482
Ion Ratio Lower Upper
204 100
206 32.3 26.3 39.5
141 75.4 59.0 88.6

Manual Integrations
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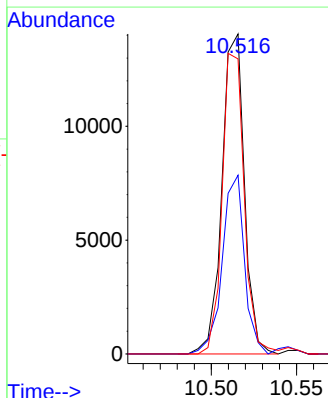
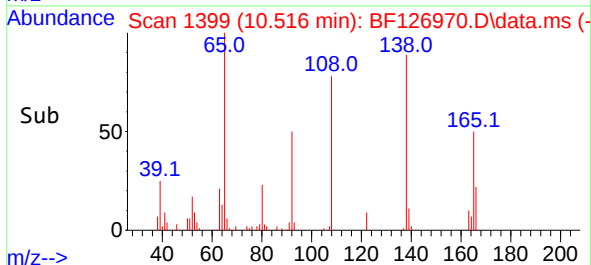
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

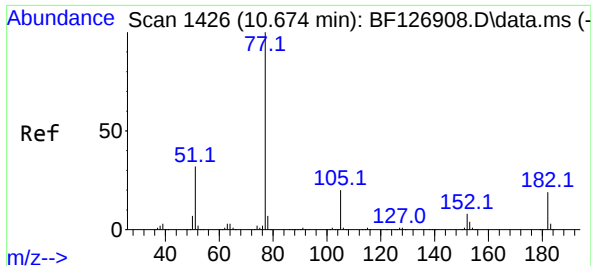


#62
4-Nitroaniline
Concen: 3.586 ng
RT: 10.516 min Scan# 1399
Delta R.T. -0.018 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



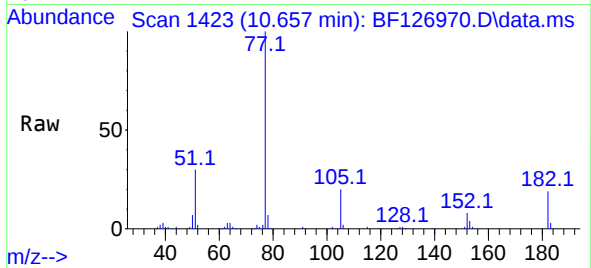
Tgt Ion:138 Resp: 12894
Ion Ratio Lower Upper
138 100
92 55.9 36.2 76.2
108 92.2 46.7 86.7#





#63
Azobenzene
Concen: 3.650 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

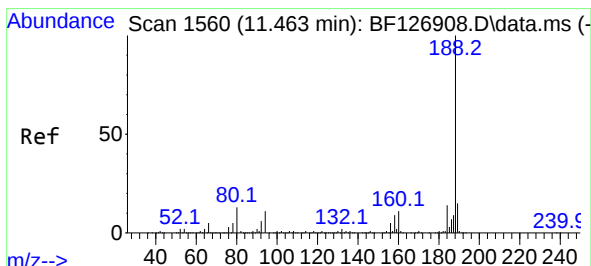
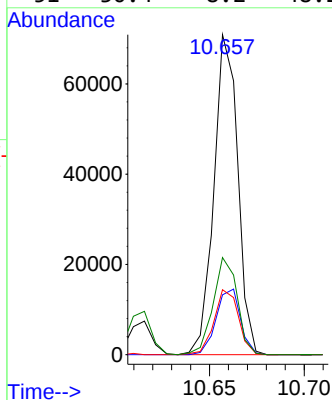
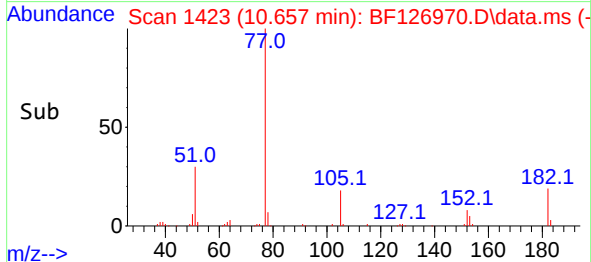


Tgt Ion: 77 Resp: 6218

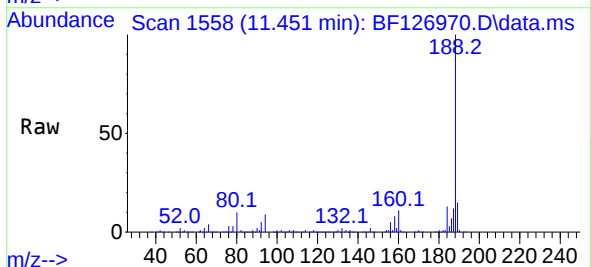
Ion	Ratio	Lower	Upper
77	100		
182	18.7	0.0	39.0
105	20.3	3.2	43.2
51	30.4	8.2	48.2

Manual Integrations
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Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

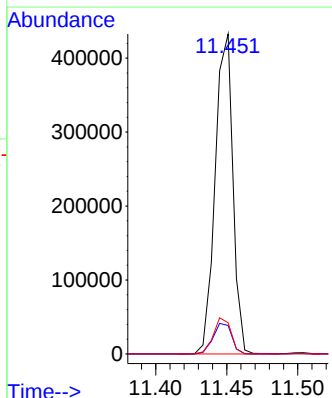
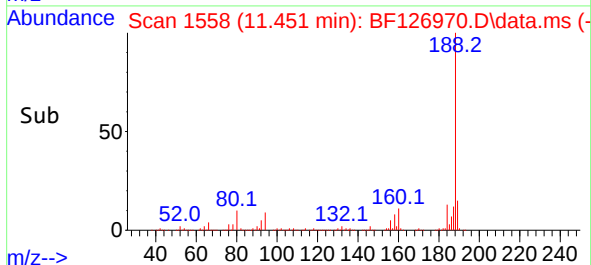


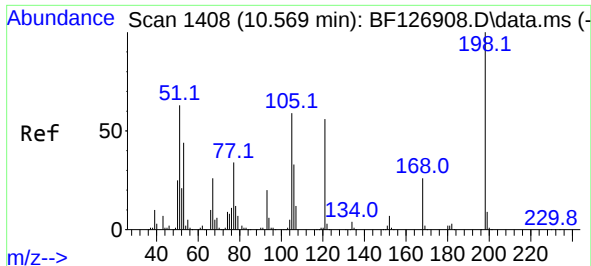
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



Tgt Ion:188 Resp: 374663

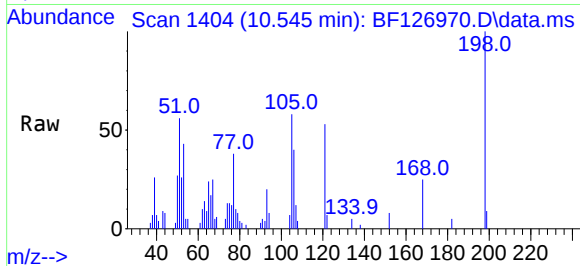
Ion	Ratio	Lower	Upper
188	100		
94	8.9	10.1	15.1#
80	9.8	11.8	17.6#





#65
4,6-Dinitro-2-methylphenol
Concen: 2.647 ng
RT: 10.545 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

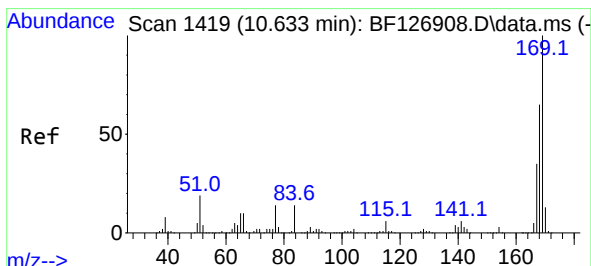
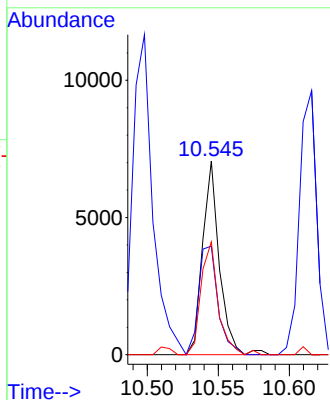
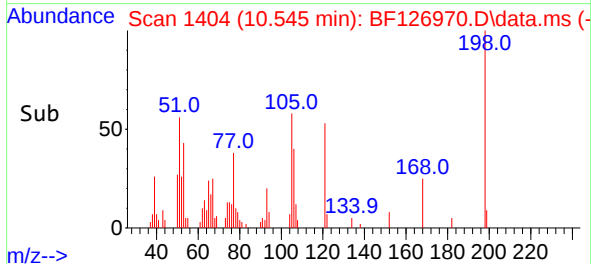
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



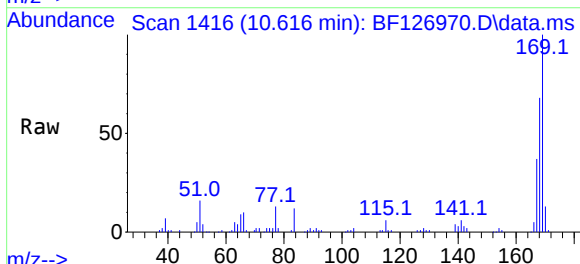
Tgt Ion:198 Resp: 5828
Ion Ratio Lower Upper
198 100
51 56.0 32.0 72.0
105 58.3 32.7 72.7

Manual Integrations
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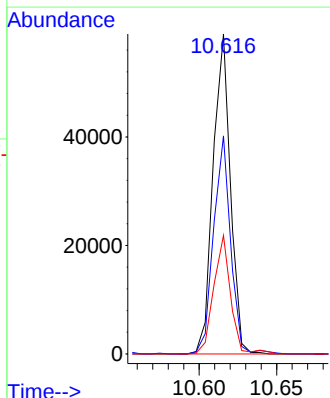
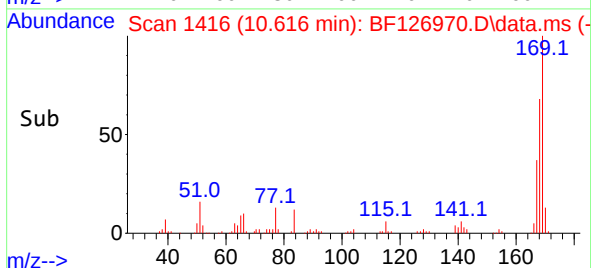
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

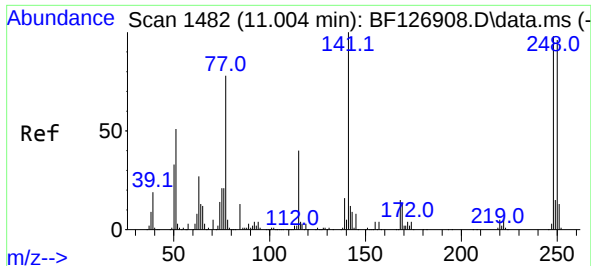


#66
n-Nitrosodiphenylamine
Concen: 3.733 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



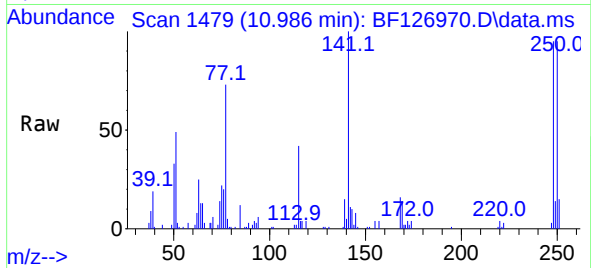
Tgt Ion:169 Resp: 45859
Ion Ratio Lower Upper
169 100
168 68.1 53.4 80.0
167 37.0 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 3.564 ng
RT: 10.986 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

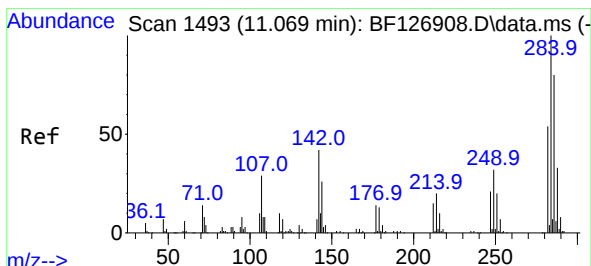
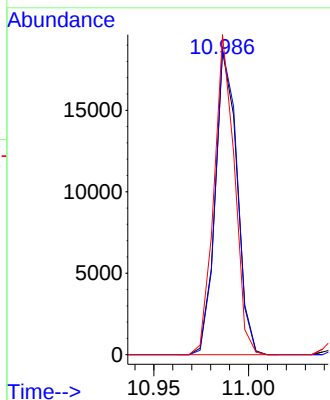
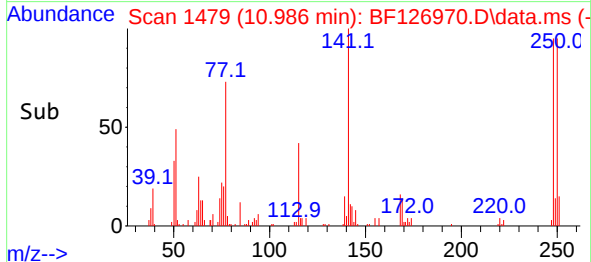
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



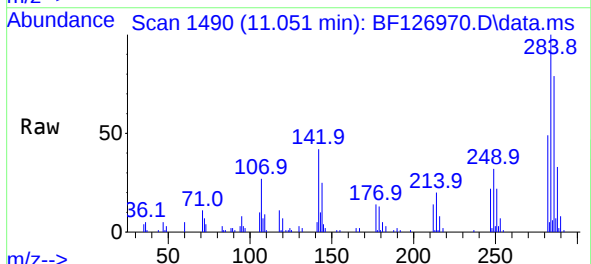
Tgt Ion:248 Resp: 14920
Ion Ratio Lower Upper
248 100
250 100.5 76.2 114.4
141 105.4 66.2 99.4

Manual Integrations
APPROVED

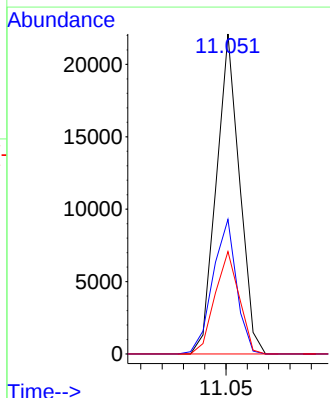
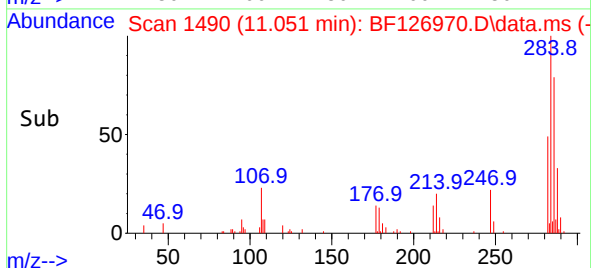
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

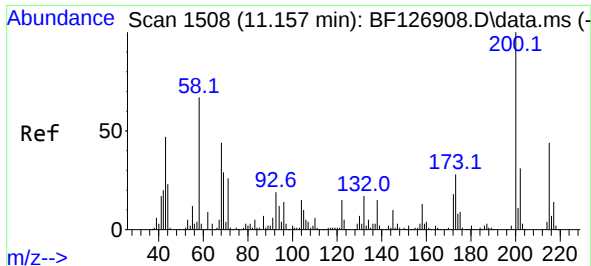


#68
Hexachlorobenzene
Concen: 3.710 ng
RT: 11.051 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



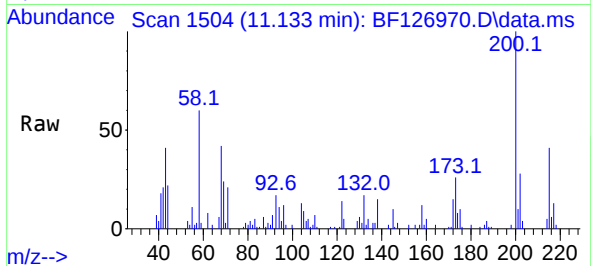
Tgt Ion:284 Resp: 16717
Ion Ratio Lower Upper
284 100
142 42.0 30.7 46.1
249 32.0 21.1 31.7





#69
Atrazine
Concen: 3.856 ng
RT: 11.133 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

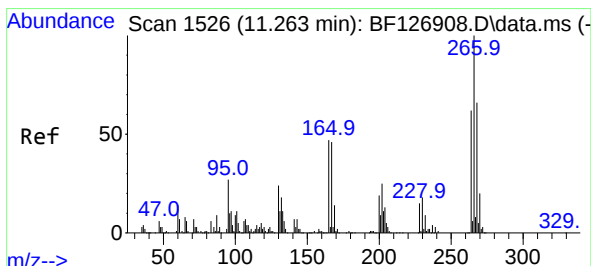
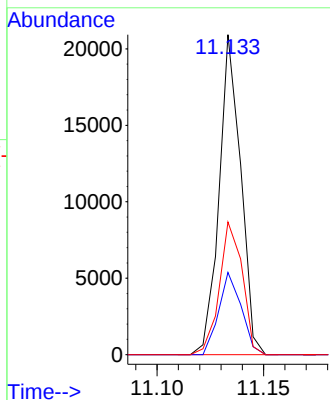
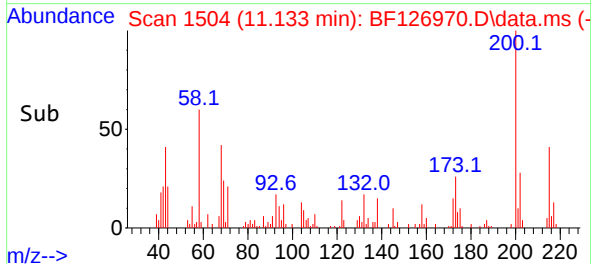
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



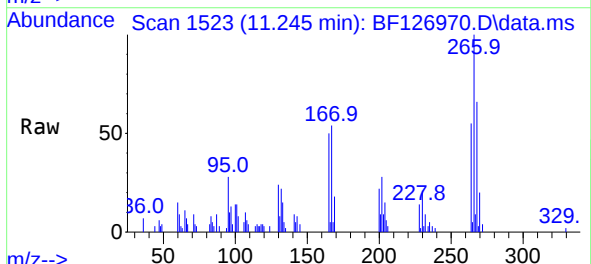
Tgt Ion:200 Resp: 1469
Ion Ratio Lower Upper
200 100
173 25.7 9.2 49.2
215 41.5 23.2 63.2

Manual Integrations
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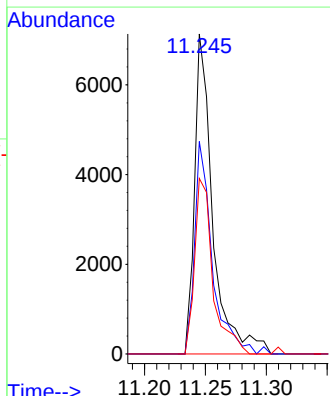
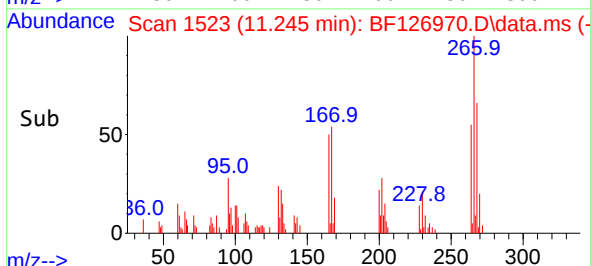
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

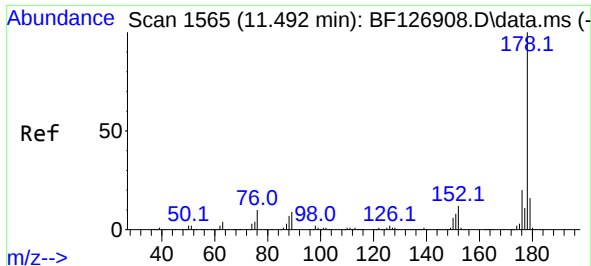


#70
Pentachlorophenol
Concen: 3.014 ng
RT: 11.245 min Scan# 1523
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



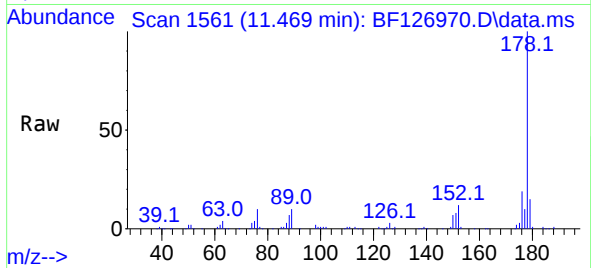
Tgt Ion:266 Resp: 7415
Ion Ratio Lower Upper
266 100
268 66.4 52.3 78.5
264 59.7 50.4 75.6





#71
Phenanthrene
Concen: 3.918 ng
RT: 11.469 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

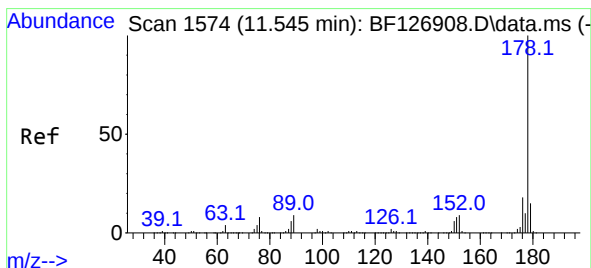
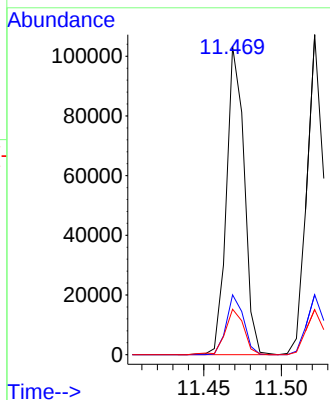
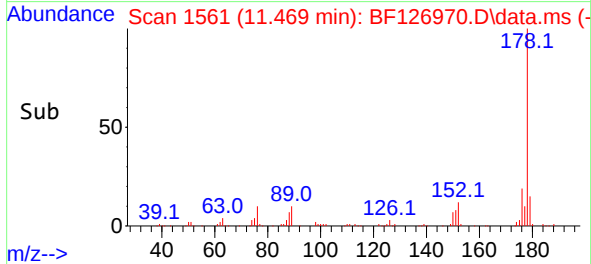
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



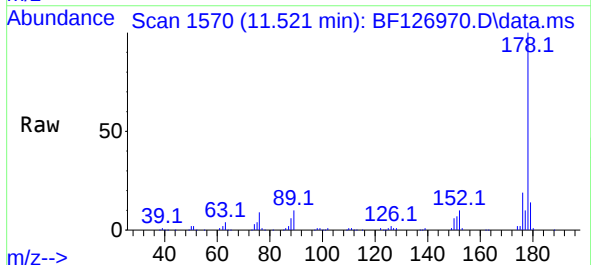
Tgt Ion:178 Resp: 82159
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 14.7 12.3 18.5

Manual Integrations
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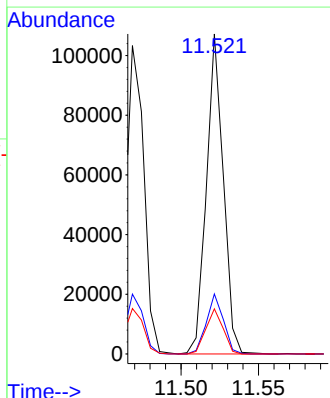
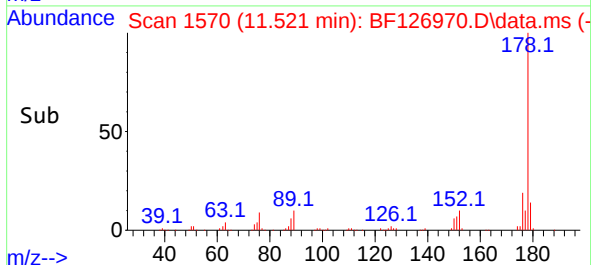
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

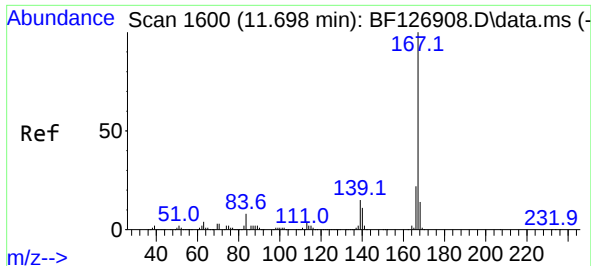


#72
Anthracene
Concen: 3.895 ng
RT: 11.521 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



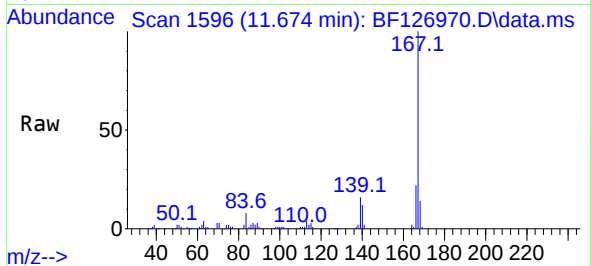
Tgt Ion:178 Resp: 81304
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 14.1 12.5 18.7





#73
Carbazole
Concen: 3.653 ng
RT: 11.674 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

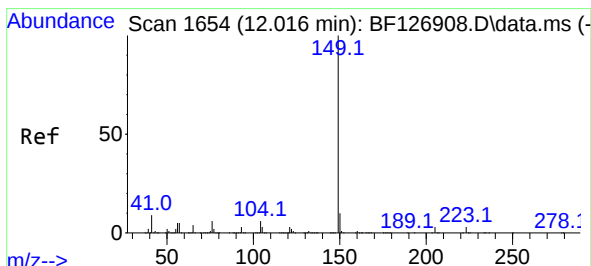
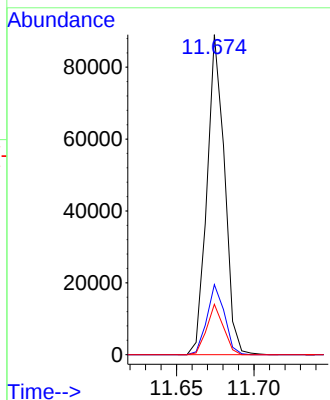
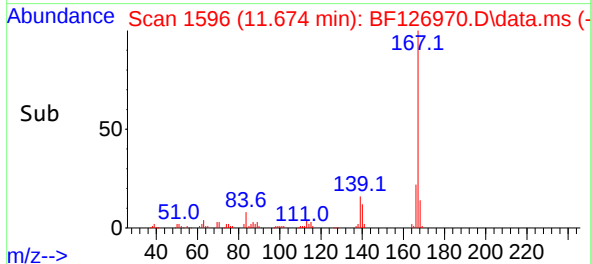
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



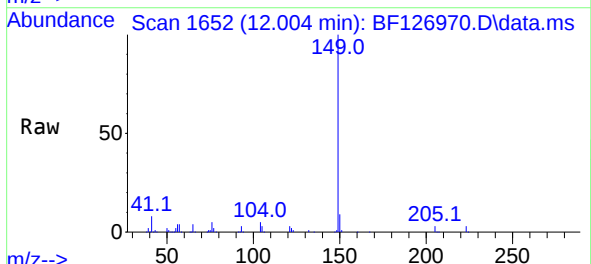
Tgt Ion:167 Resp: 69930
Ion Ratio Lower Upper
167 100
166 21.9 16.9 25.3
139 15.8 11.3 16.9

Manual Integrations
APPROVED

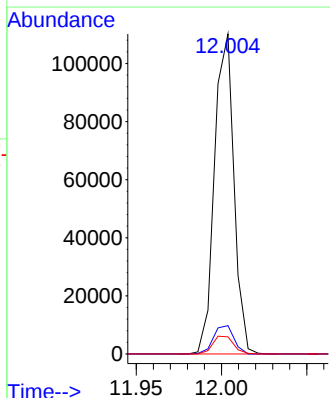
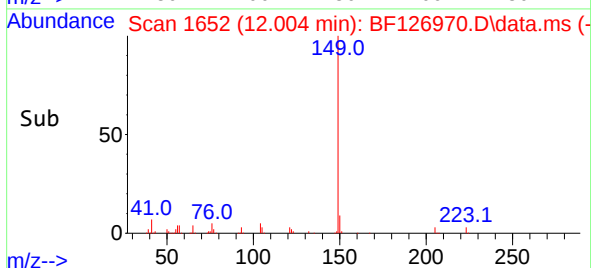
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

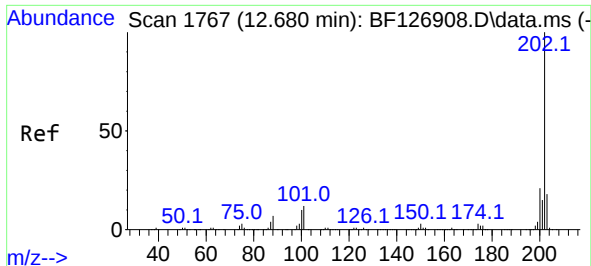


#74
Di-n-butylphthalate
Concen: 3.559 ng
RT: 12.004 min Scan# 1652
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



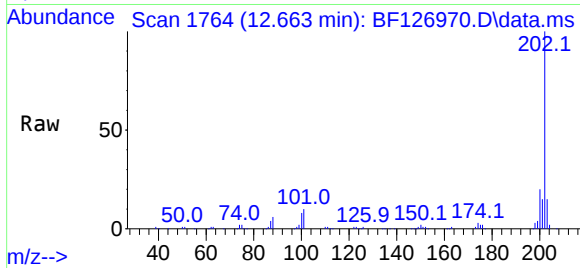
Tgt Ion:149 Resp: 87595
Ion Ratio Lower Upper
149 100
150 8.8 7.2 10.8
104 5.4 4.2 6.2





#75
Fluoranthene
Concen: 4.061 ng
RT: 12.663 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

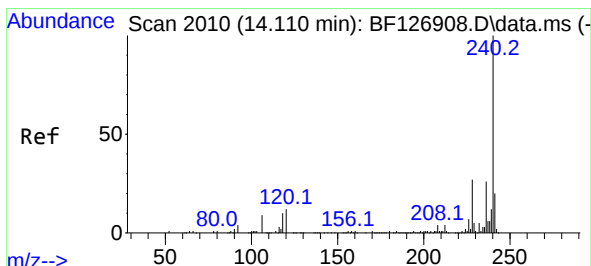
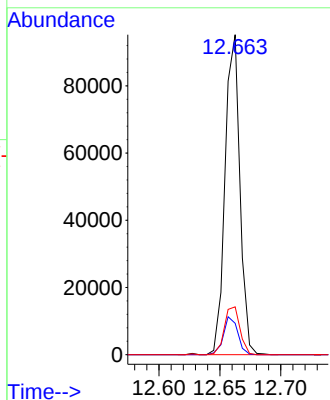
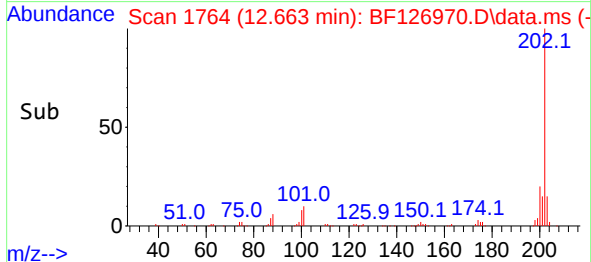
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



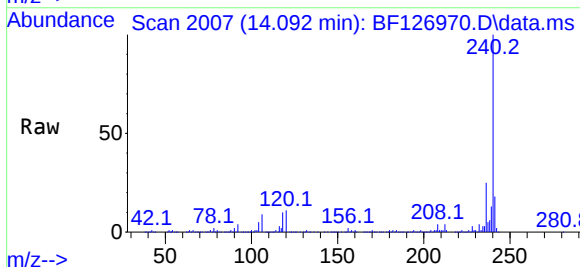
Tgt Ion:202 Resp: 80858
Ion Ratio Lower Upper
202 100
101 9.8 0.0 35.7
203 14.9 0.0 37.1

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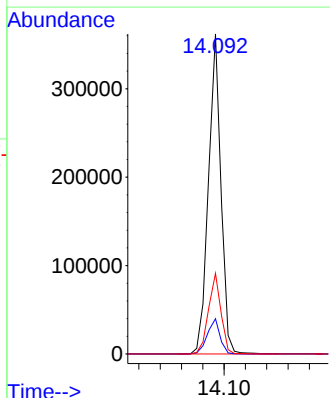
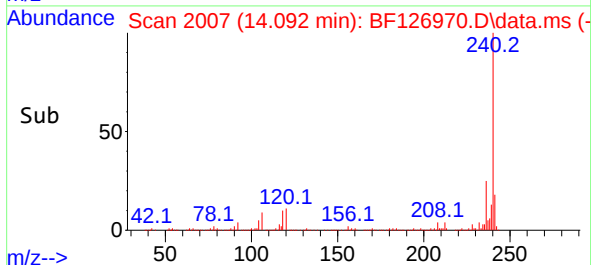
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

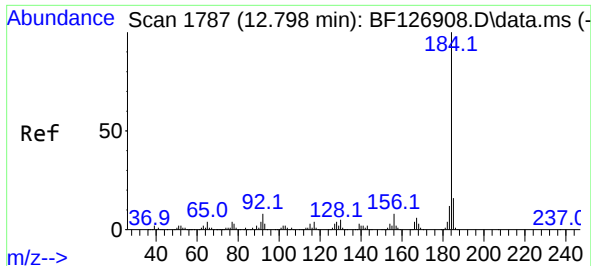


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



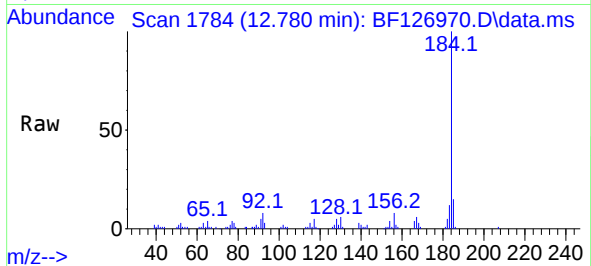
Tgt Ion:240 Resp: 295192
Ion Ratio Lower Upper
240 100
120 11.0 14.4 21.6#
236 25.2 20.5 30.7





#77
Benzidine
Concen: 4.745 ng
RT: 12.780 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

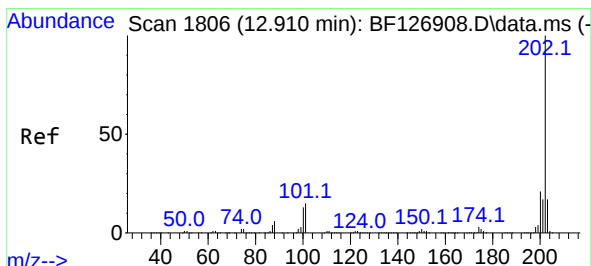
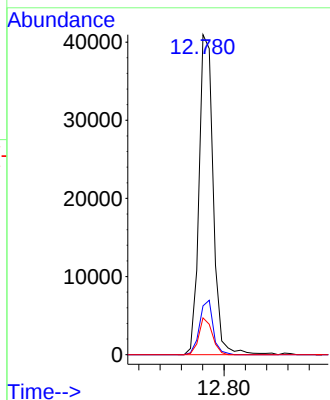
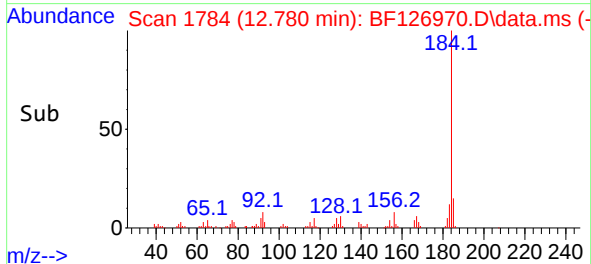
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:184 Resp: 38062
Ion Ratio Lower Upper
184 100
185 15.3 11.8 17.8
183 11.5 8.2 12.2

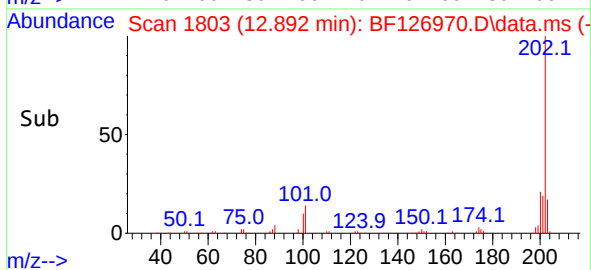
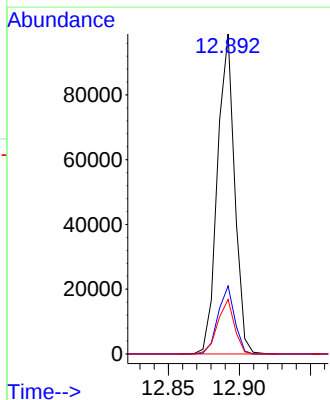
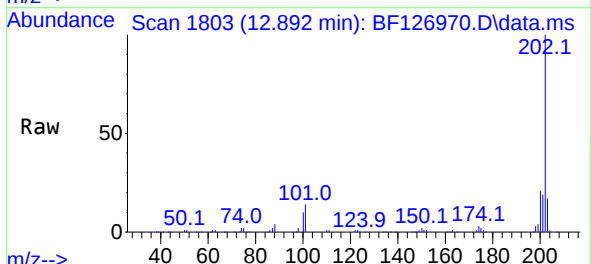
Manual Integrations
APPROVED

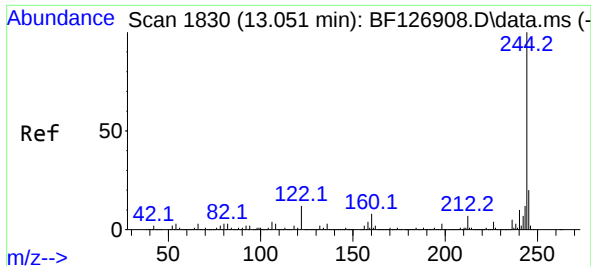
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#78
Pyrene
Concen: 3.236 ng
RT: 12.892 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

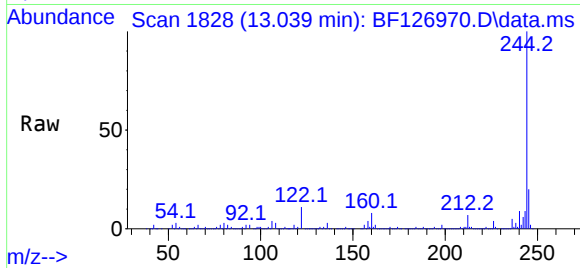
Tgt Ion:202 Resp: 82983
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 17.1 13.8 20.8





#79
Terphenyl-d14
Concen: 70.143 ng
RT: 13.039 min Scan# 1830
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

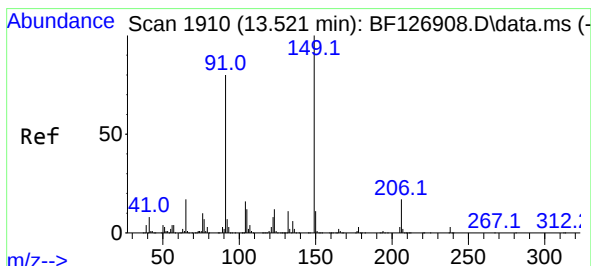
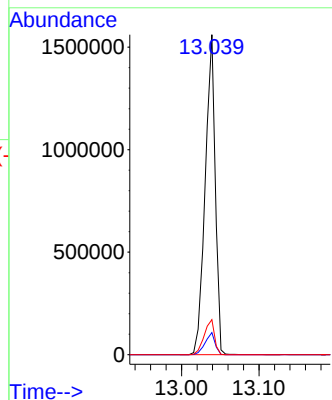
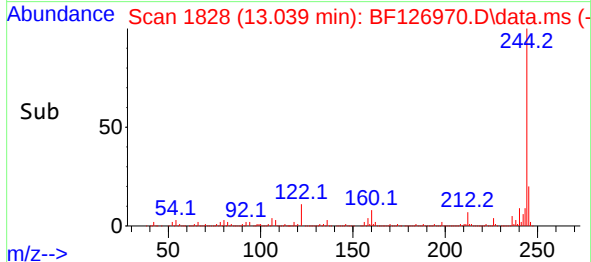
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



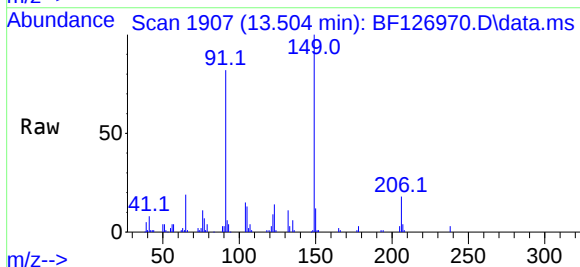
Tgt Ion:244 Resp: 1408518
Ion Ratio Lower Upper
244 100
212 6.9 5.0 7.4
122 11.0 13.3 19.9

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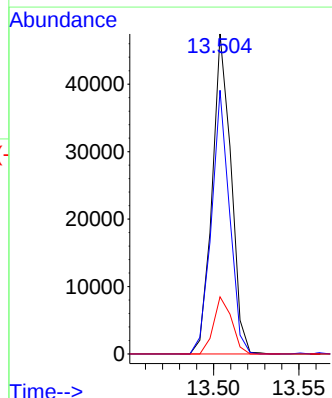
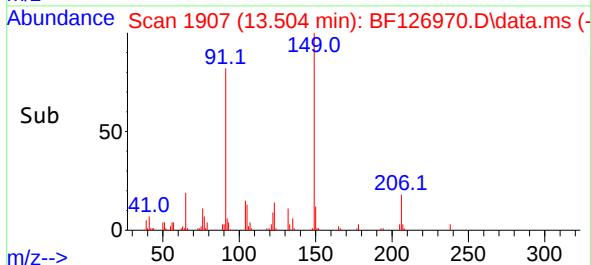
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

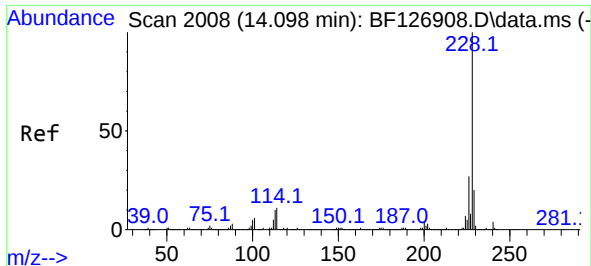


#80
Butylbenzylphthalate
Concen: 3.012 ng
RT: 13.504 min Scan# 1907
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



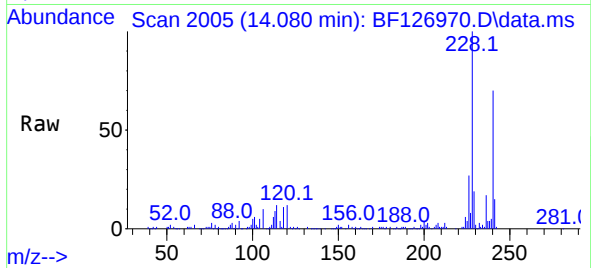
Tgt Ion:149 Resp: 36564
Ion Ratio Lower Upper
149 100
91 82.4 70.5 105.7
206 17.9 12.6 19.0





#81
Benzo(a)anthracene
Concen: 3.671 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

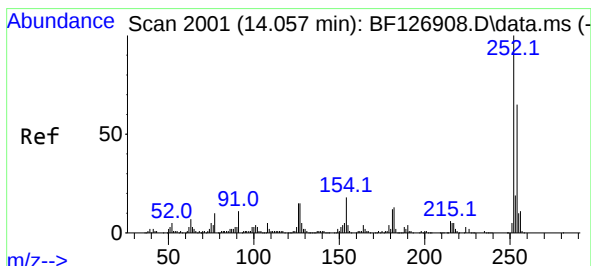
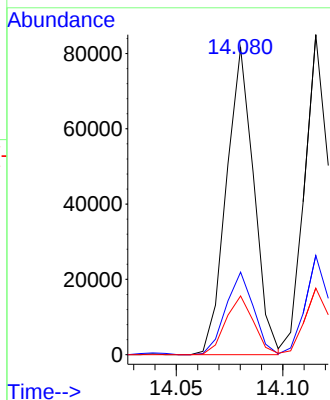
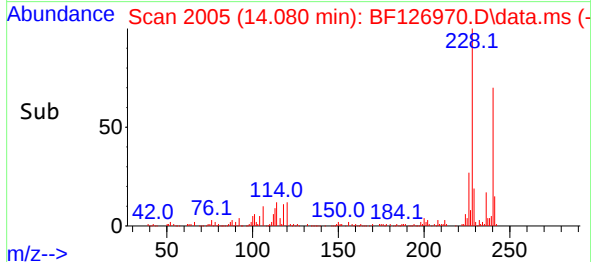
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2021



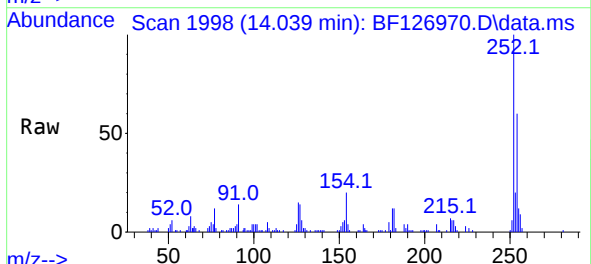
Tgt Ion:228 Resp: 73049
Ion Ratio Lower Upper
228 100
226 26.9 21.4 32.0
229 19.1 15.4 23.2

Manual Integrations
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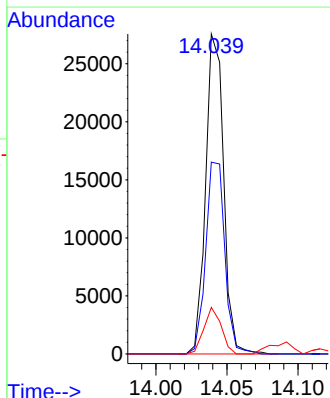
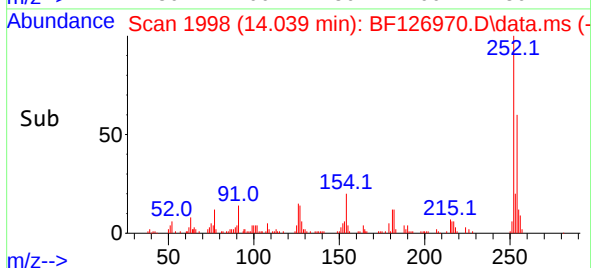
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

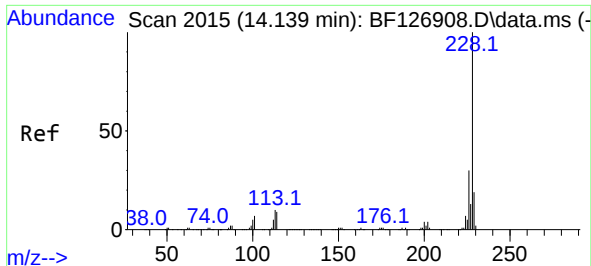


#82
3,3'-Dichlorobenzidine
Concen: 3.867 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



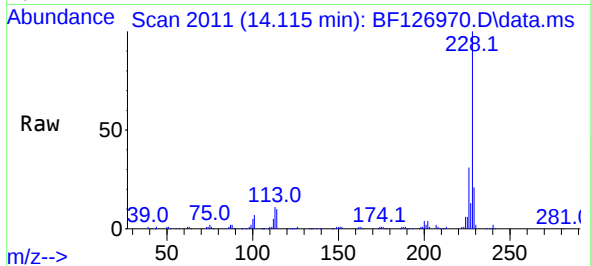
Tgt Ion:252 Resp: 24251
Ion Ratio Lower Upper
252 100
254 60.0 51.0 76.4
126 14.5 13.4 20.0





#83
Chrysene
Concen: 3.631 ng
RT: 14.115 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

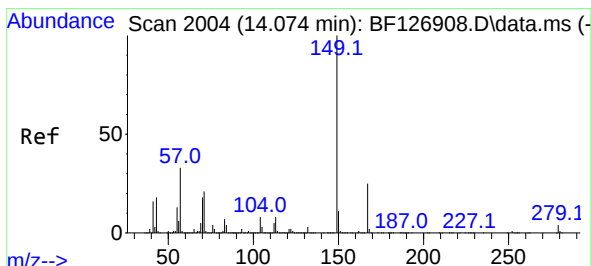
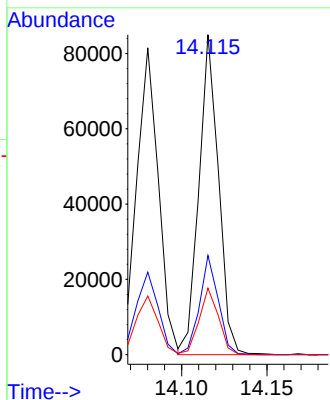
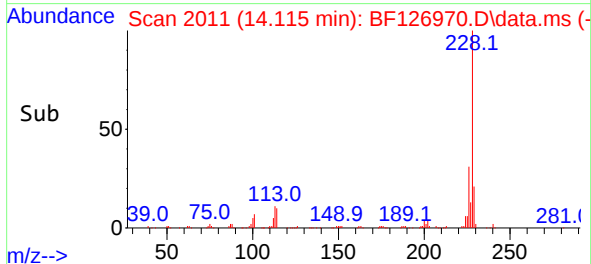
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



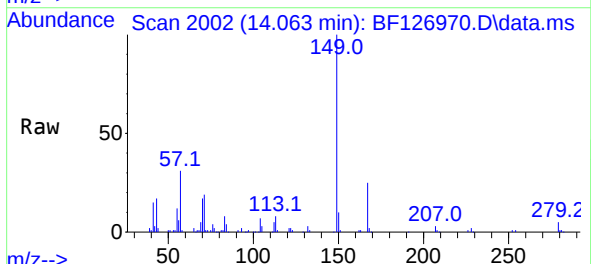
Tgt Ion:228 Resp: 67948
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 20.8 15.5 23.3

Manual Integrations
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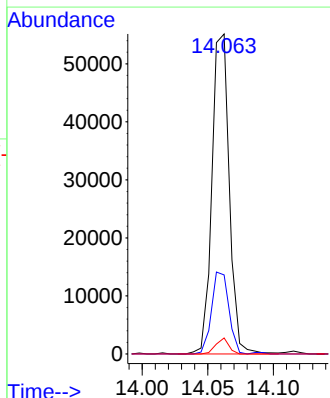
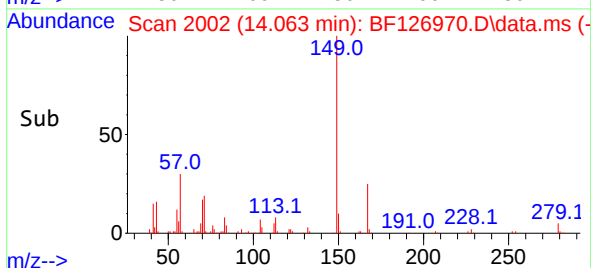
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

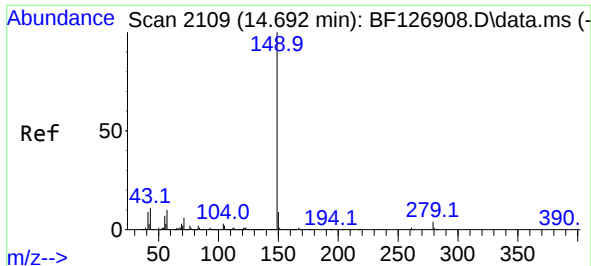


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.185 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



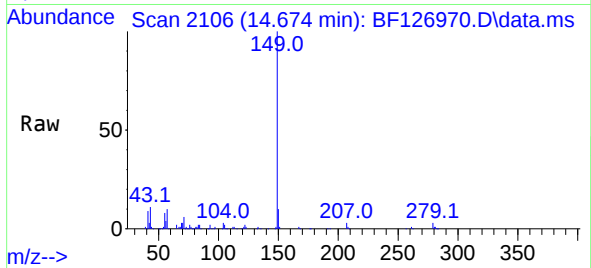
Tgt Ion:149 Resp: 50776
Ion Ratio Lower Upper
149 100
167 24.7 21.4 32.2
279 5.0 2.4 3.6





#85
Di-n-octyl phthalate
Concen: 3.488 ng
RT: 14.674 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

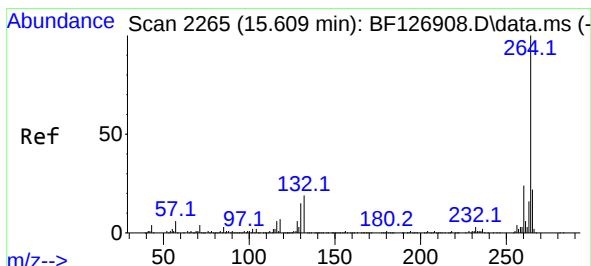
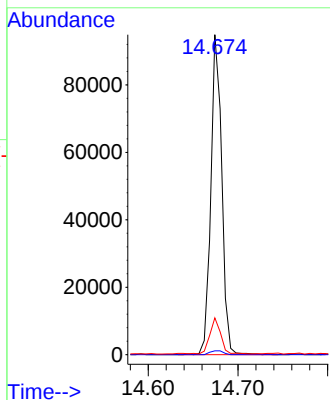
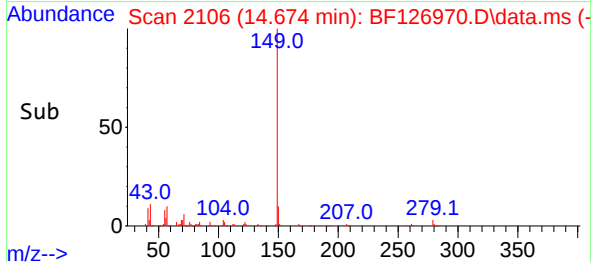
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



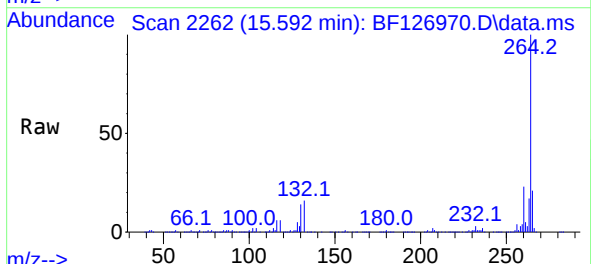
Tgt Ion:149 Resp: 8006
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.1 9.9 14.9

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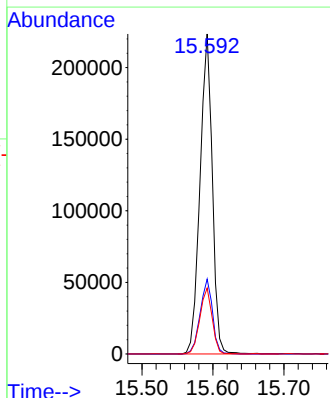
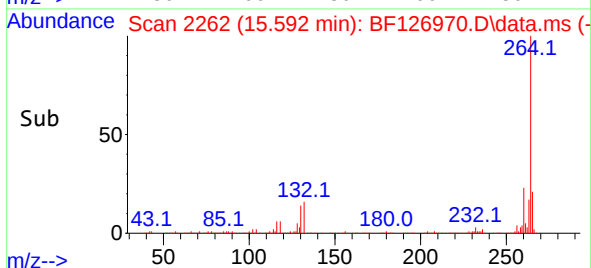
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

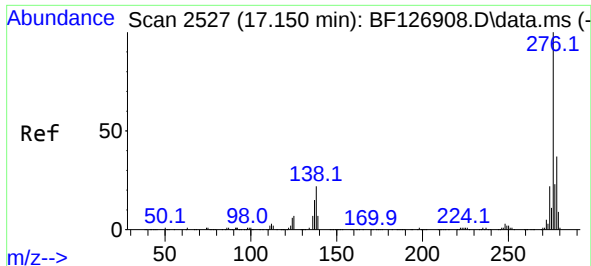


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



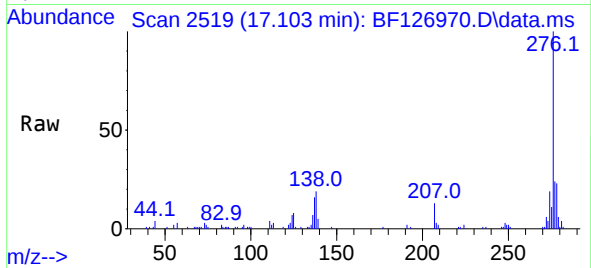
Tgt Ion:264 Resp: 270117
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 20.6 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.004 ng
RT: 17.103 min Scan# 2185
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

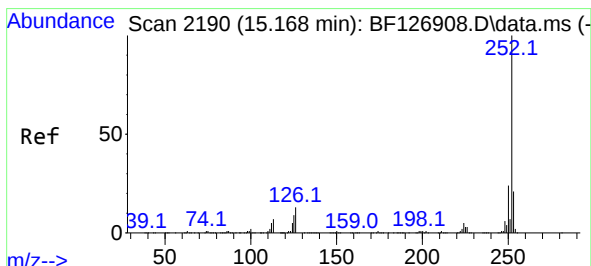
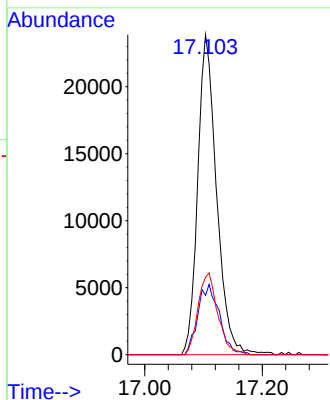
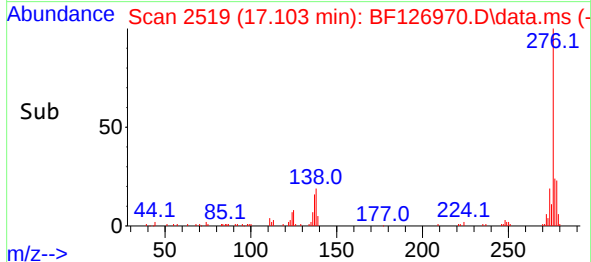
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



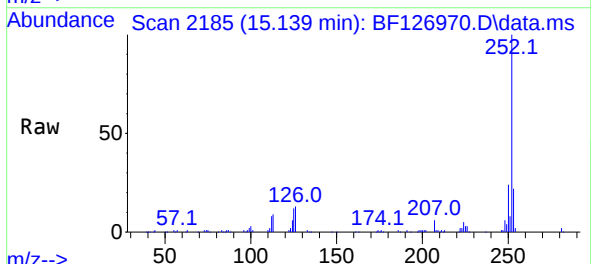
Tgt Ion: 276 Resp: 53198
Ion Ratio Lower Upper
276 100
138 25.0 29.2 43.8
277 26.7 19.8 29.8

Manual Integrations
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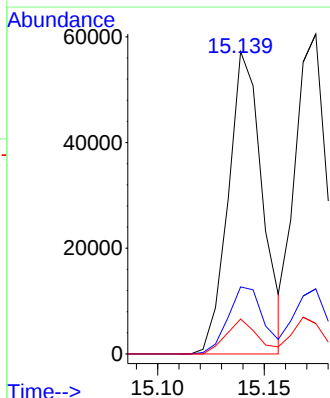
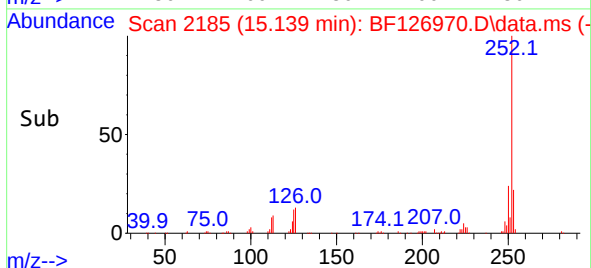
Reviewed By : Christian Giraldo 02/22/2022
Supervised By : Jagrut Upadhyay 02/22/2022

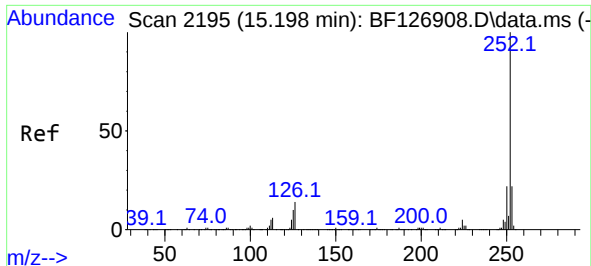


#88
Benzo(b)fluoranthene
Concen: 3.524 ng
RT: 15.139 min Scan# 2185
Delta R.T. -0.012 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34



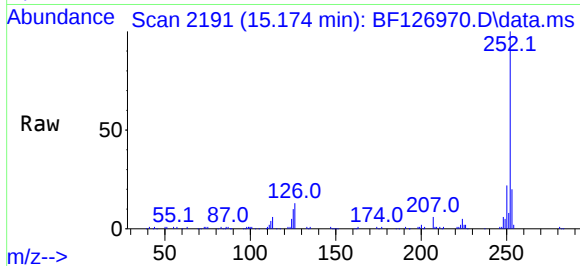
Tgt Ion: 252 Resp: 63925
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 11.5 12.4 18.6





#89
Benzo(k)fluoranthene
Concen: 3.697 ng
RT: 15.174 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

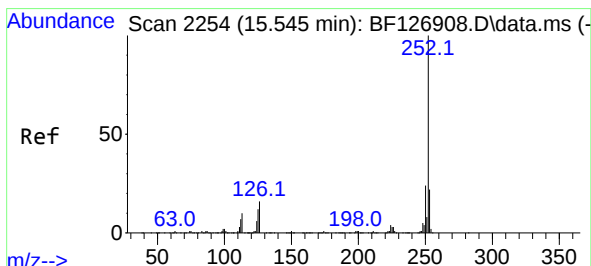
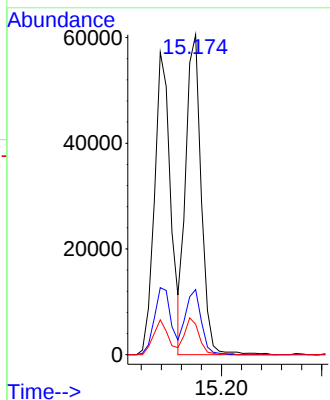
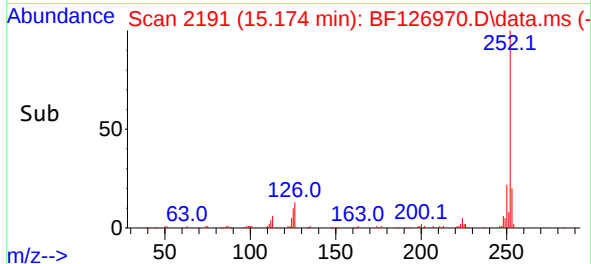
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2021



Tgt Ion:252 Resp: 64690
Ion Ratio Lower Upper
252 100
253 20.3 17.5 26.3
125 9.5 11.8 17.6

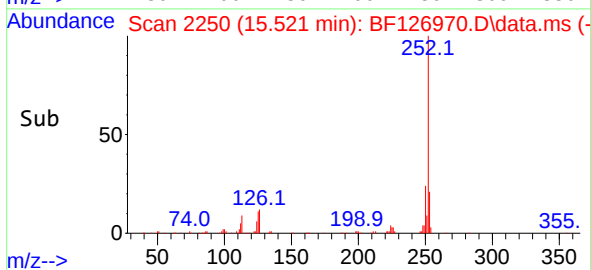
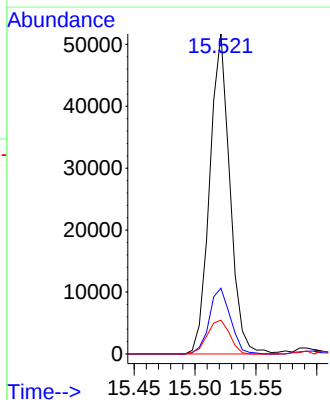
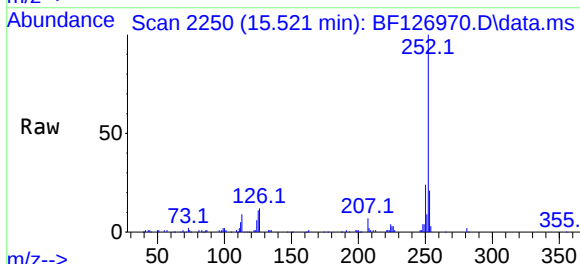
Manual Integrations
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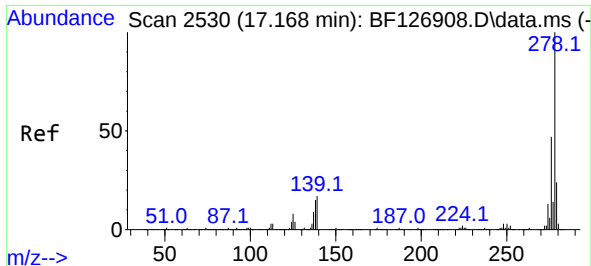
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#90
Benzo(a)pyrene
Concen: 4.207 ng
RT: 15.521 min Scan# 2250
Delta R.T. -0.006 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

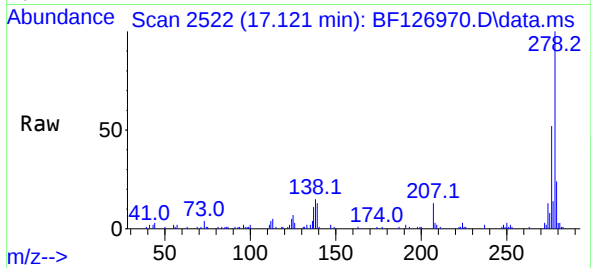
Tgt Ion:252 Resp: 59619
Ion Ratio Lower Upper
252 100
253 20.5 17.1 25.7
125 10.6 13.0 19.6





#91
Dibenzo(a,h)anthracene
Concen: 3.159 ng
RT: 17.121 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

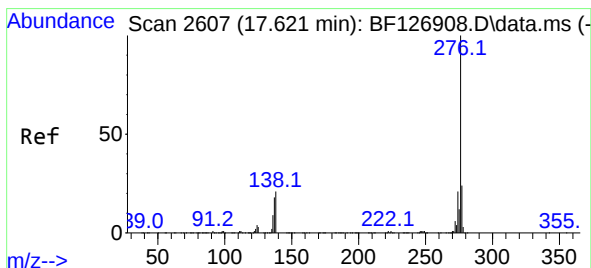
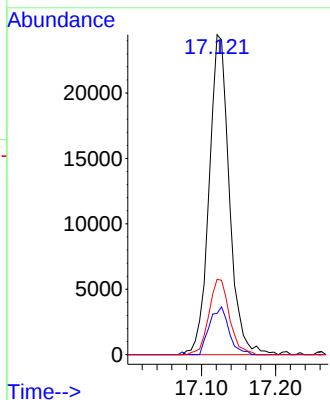
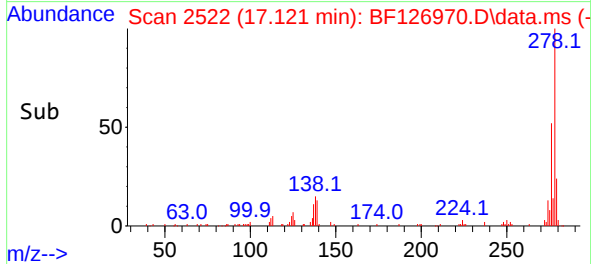
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:278 Resp: 4627
Ion Ratio Lower Upper
278 100
139 12.9 18.0 27.0
279 23.6 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#92
Benzo(g,h,i)perylene
Concen: 2.942 ng
RT: 17.562 min Scan# 2597
Delta R.T. -0.024 min
Lab File: BF126970.D
Acq: 21 Feb 2022 13:34

Tgt Ion:276 Resp: 42484
Ion Ratio Lower Upper
276 100
277 26.7 18.5 27.7
138 21.6 25.9 38.9

