

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022122\
 Data File : BF126969.D
 Acq On : 21 Feb 2022 13:06
 Operator : CG\JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Feb 21 14:09:39 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	89348	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	360833	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	190022	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	339937	20.000	ng	# 0.00
76) Chrysene-d12	14.092	240	277203	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	263844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	885597	153.194	ng	0.00
7) Phenol-d6	6.551	99	1181198	151.426	ng	0.00
23) Nitrobenzene-d5	7.487	82	676496	84.624	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	350071	160.007	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1091951	84.597	ng	0.00
79) Terphenyl-d14	13.039	244	1361855	72.221	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.728	88	20631	7.799	ng	96
3) Pyridine	3.552	79	50383m	7.261	ng	
4) n-Nitrosodimethylamine	3.452	42	27878	8.202	ng	# 67
6) Aniline	6.587	93	82715	8.950	ng	93
8) 2-Chlorophenol	6.710	128	50878	8.203	ng	95
9) Benzaldehyde	6.475	77	48272	10.166	ng	100
10) Phenol	6.557	94	64443	8.176	ng	# 59
11) bis(2-Chloroethyl)ether	6.657	93	49861	8.066	ng	94
12) 1,3-Dichlorobenzene	6.863	146	55984	8.367	ng	98
13) 1,4-Dichlorobenzene	6.940	146	58116	8.568	ng	99
14) 1,2-Dichlorobenzene	7.092	146	53937	8.338	ng	94
15) Benzyl Alcohol	7.057	79	62112	9.452	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.192	45	75655	7.772	ng	99
17) 2-Methylphenol	7.163	107	43063	8.025	ng	96
18) Hexachloroethane	7.434	117	21322	8.200	ng	# 89
19) n-Nitroso-di-n-propyla...	7.322	70	41055	8.168	ng	# 93
20) 3+4-Methylphenols	7.316	107	57699	8.280	ng	90
22) Acetophenone	7.322	105	79479	8.366	ng	99
24) Nitrobenzene	7.498	77	62952	8.336	ng	92
25) Isophorone	7.734	82	111892	8.459	ng	# 97
26) 2-Nitrophenol	7.816	139	24762	7.701	ng	# 78
27) 2,4-Dimethylphenol	7.845	122	48391	9.161	ng	93
28) bis(2-Chloroethoxy)met...	7.945	93	62159	7.751	ng	98
29) 2,4-Dichlorophenol	8.051	162	40955	8.247	ng	99
30) 1,2,4-Trichlorobenzene	8.139	180	44930	8.093	ng	98
31) Naphthalene	8.222	128	158419	8.410	ng	99
32) Benzoic acid	7.910	122	19320	5.157	ng	# 73
33) 4-Chloroaniline	8.269	127	63709	8.593	ng	97
34) Hexachlorobutadiene	8.334	225	25841	7.972	ng	99
35) Caprolactam	8.610	113	13347	7.696	ng	98
36) 4-Chloro-3-methylphenol	8.739	107	50688	7.986	ng	95
37) 2-Methylnaphthalene	8.916	142	99044	8.103	ng	95
38) 1-Methylnaphthalene	9.016	142	98138	8.385	ng	98
40) 1,2,4,5-Tetrachloroben...	9.081	216	41236	8.244	ng	99
41) Hexachlorocyclopentadiene	9.063	237	20655	7.614	ng	95
43) 2,4,6-Trichlorophenol	9.186	196	27622	7.529	ng	96

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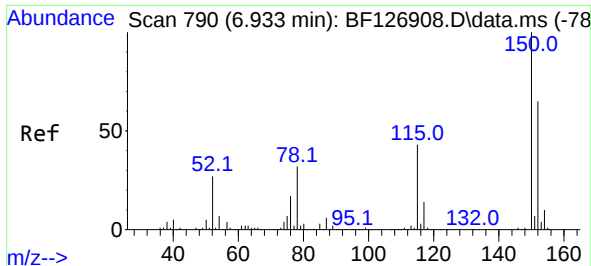
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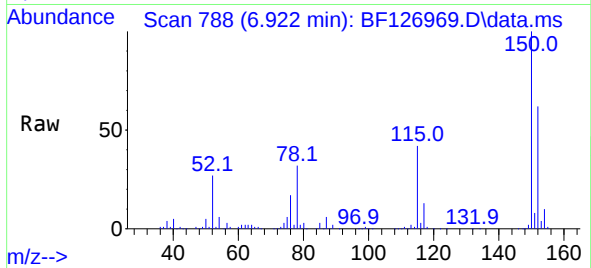
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.228	196	29055	7.526	ng	97
46) 1,1'-Biphenyl	9.381	154	125103	8.310	ng	97
47) 2-Chloronaphthalene	9.404	162	90857	8.138	ng	94
48) 2-Nitroaniline	9.498	65	33172	7.530	ng	99
49) Acenaphthylene	9.822	152	155840	8.593	ng	97
50) Dimethylphthalate	9.669	163	104881	7.722	ng	100
51) 2,6-Dinitrotoluene	9.739	165	22960	8.309	ng	98
52) Acenaphthene	9.992	154	94584	8.020	ng	95
53) 3-Nitroaniline	9.904	138	25940	7.679	ng	# 94
54) 2,4-Dinitrophenol	10.010	184	8556	5.850	ng	# 84
55) Dibenzofuran	10.163	168	130091	8.022	ng	92
56) 4-Nitrophenol	10.057	139	20029	8.028	ng	# 81
57) 2,4-Dinitrotoluene	10.139	165	30422	8.142	ng	# 96
58) Fluorene	10.510	166	102838	8.141	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.280	232	22213	7.258	ng	97
60) Diethylphthalate	10.375	149	112060	7.896	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	48038	8.065	ng	97
62) 4-Nitroaniline	10.516	138	26196	7.853	ng	# 76
63) Azobenzene	10.663	77	120531	7.627	ng	93
65) 4,6-Dinitro-2-methylph...	10.545	198	12750	6.383	ng	79
66) n-Nitrosodiphenylamine	10.616	169	88289	7.921	ng	98
67) 4-Bromophenyl-phenylether	10.992	248	29245	7.700	ng	96
68) Hexachlorobenzene	11.051	284	32489	7.946	ng	# 89
69) Atrazine	11.139	200	29099	8.417	ng	94
70) Pentachlorophenol	11.245	266	15115	6.772	ng	96
71) Phenanthrene	11.475	178	159797	8.398	ng	99
72) Anthracene	11.522	178	161322	8.517	ng	99
73) Carbazole	11.680	167	141052	8.120	ng	99
74) Di-n-butylphthalate	12.004	149	177821	7.963	ng	99
75) Fluoranthene	12.663	202	158773	8.788	ng	95
77) Benzidine	12.786	184	86057	11.424	ng	99
78) Pyrene	12.892	202	162072	6.730	ng	99
80) Butylbenzylphthalate	13.504	149	75546	6.626	ng	94
81) Benzo(a)anthracene	14.080	228	144679	7.742	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	52663	8.942	ng	# 95
83) Chrysene	14.116	228	139858	7.958	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	106752	7.132	ng	# 96
85) Di-n-octyl phthalate	14.680	149	173114	8.033	ng	98
87) Indeno(1,2,3-cd)pyrene	17.109	276	125317	7.244	ng	# 87
88) Benzo(b)fluoranthene	15.145	252	136403	7.697	ng	# 93
89) Benzo(k)fluoranthene	15.174	252	138953	8.130	ng	# 95
90) Benzo(a)pyrene	15.527	252	129636	9.366	ng	# 93
91) Dibenzo(a,h)anthracene	17.127	278	109047	7.621	ng	# 93
92) Benzo(g,h,i)perylene	17.574	276	104854	7.433	ng	# 85

(#) = 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: BF126969.D
Acq: 21 Feb 2022 13:06

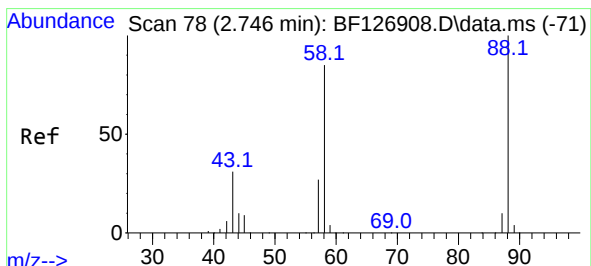
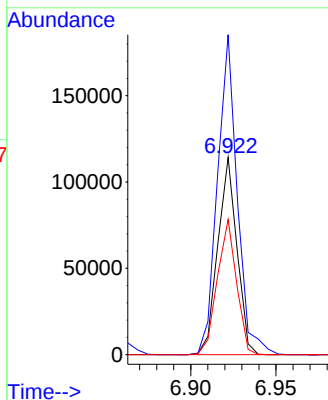
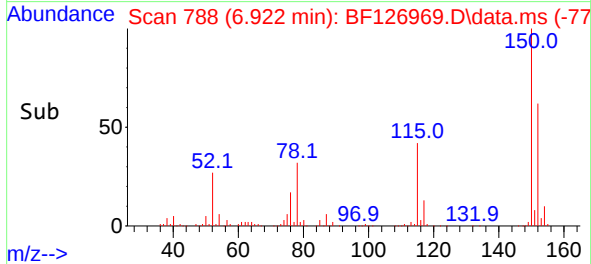
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:152 Resp: 89348
Ion Ratio Lower Upper
152 100
150 162.2 128.1 192.1
115 68.5 56.7 85.1

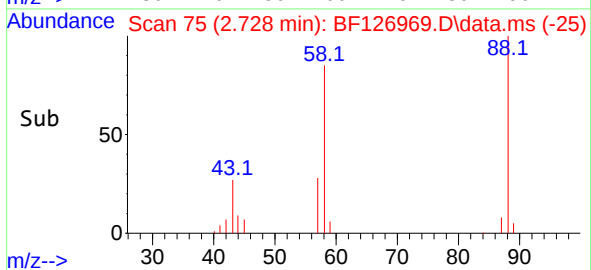
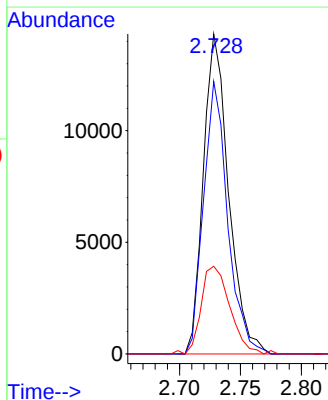
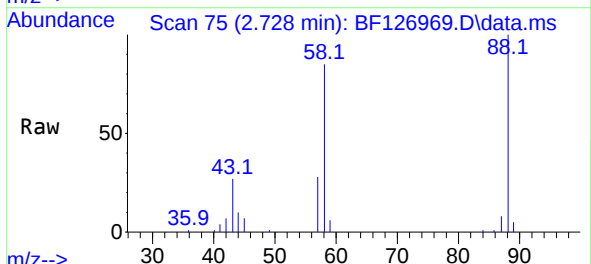
Manual Integrations
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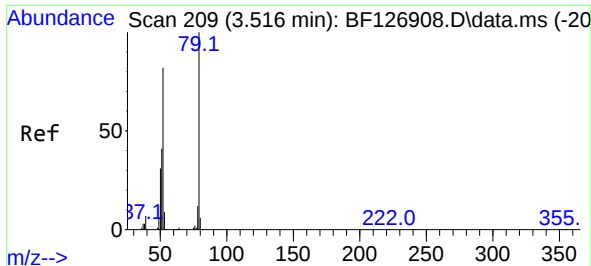
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#2
1,4-Dioxane
Concen: 7.799 ng
RT: 2.728 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

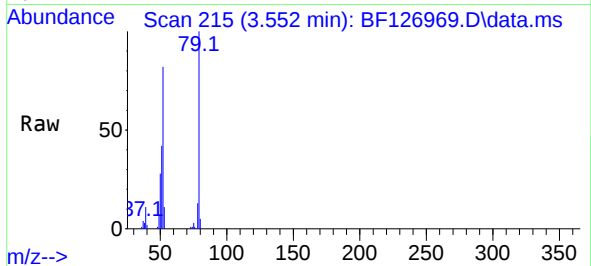
Tgt Ion: 88 Resp: 20631
Ion Ratio Lower Upper
88 100
58 81.3 62.8 94.2
43 31.3 22.3 33.5





#3
Pyridine
Concen: 7.261 ng m
RT: 3.552 min Scan# 215
Delta R.T. 0.041 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

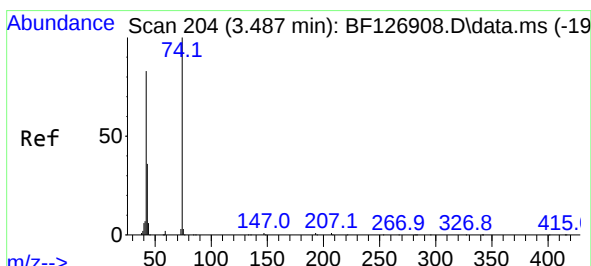
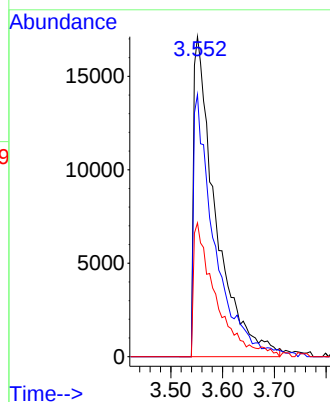
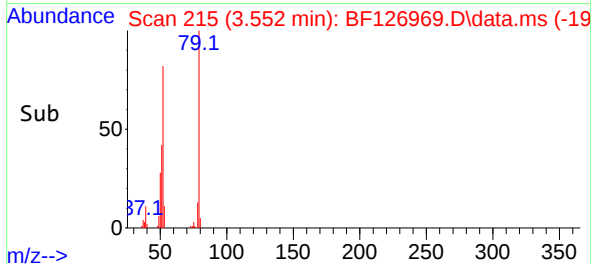
Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2021



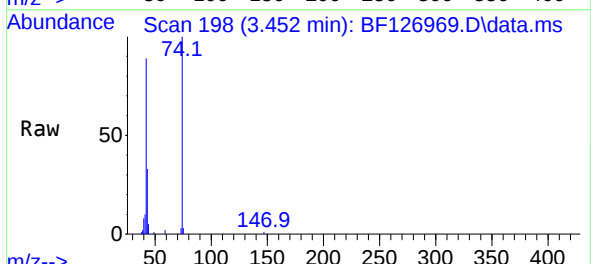
Tgt Ion: 79 Resp: 5038
Ion Ratio Lower Upper
79 100
52 81.9 56.2 84.4
51 41.8 26.7 40.1

Manual Integrations
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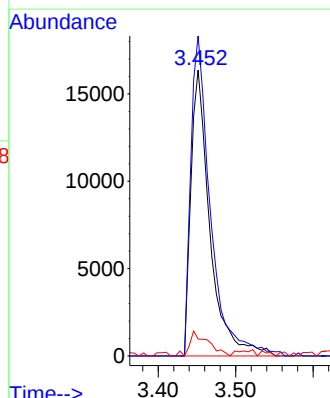
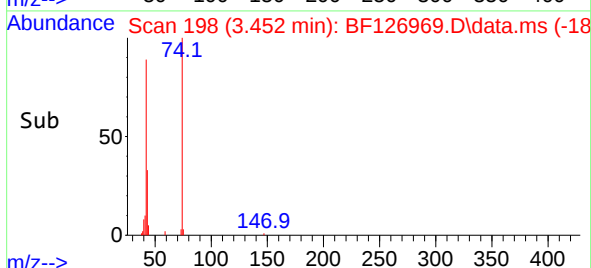
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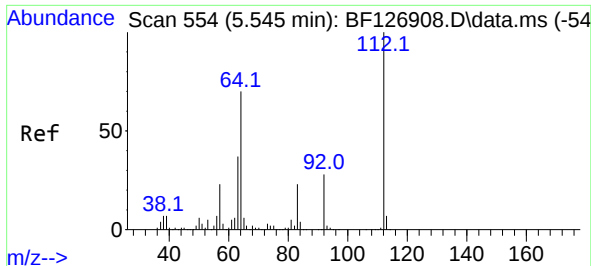


#4
n-Nitrosodimethylamine
Concen: 8.202 ng
RT: 3.452 min Scan# 198
Delta R.T. -0.024 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



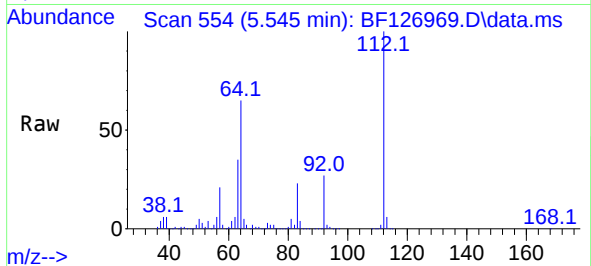
Tgt Ion: 42 Resp: 27878
Ion Ratio Lower Upper
42 100
74 111.9 125.6 188.4
44 6.0 5.7 8.5





#5
2-Fluorophenol
Concen: 153.194 ng
RT: 5.545 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

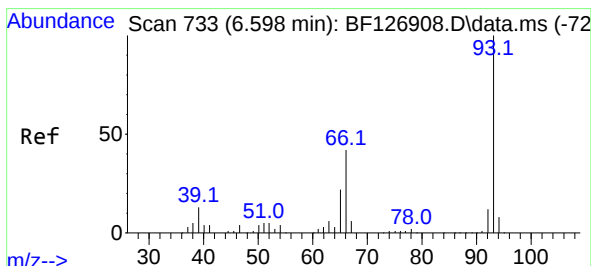
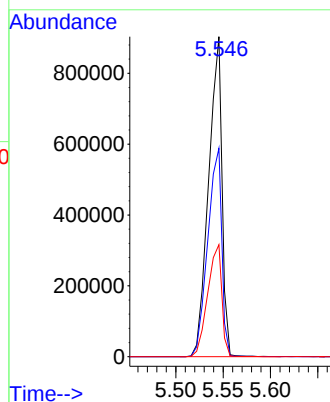
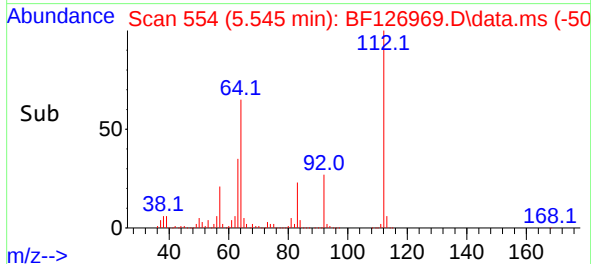
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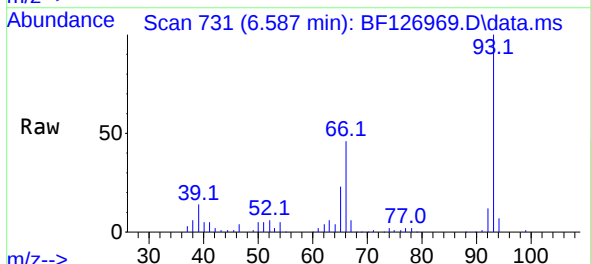
Tgt Ion:112 Resp: 88559
Ion Ratio Lower Upper
112 100
64 65.1 49.5 74.3
63 35.0 23.9 35.9

Manual Integrations
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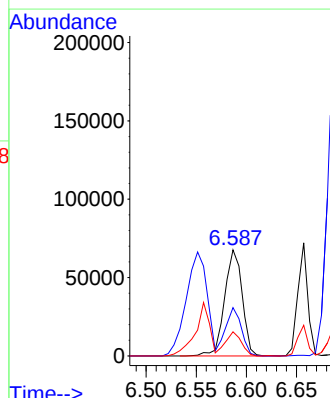
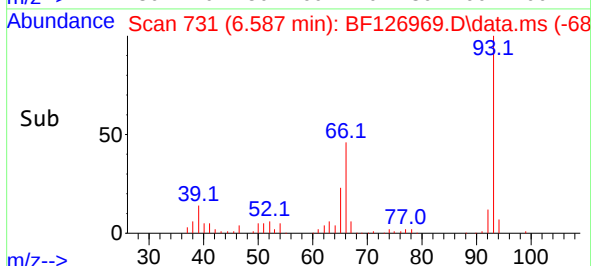
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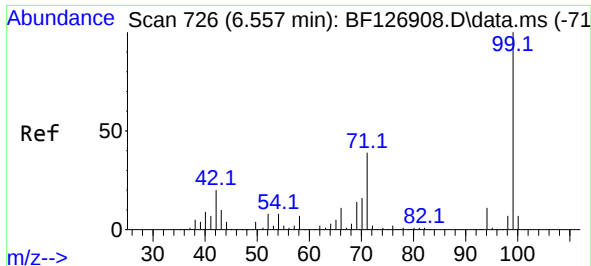


#6
Aniline
Concen: 8.950 ng
RT: 6.587 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



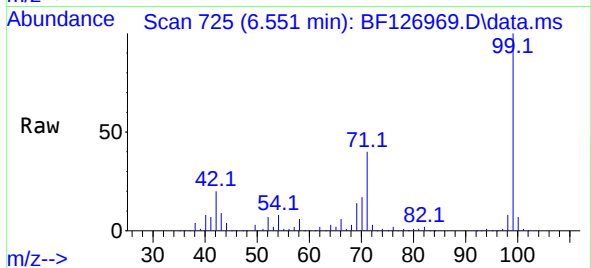
Tgt Ion: 93 Resp: 82715
Ion Ratio Lower Upper
93 100
66 45.6 32.2 48.4
65 22.8 16.3 24.5





#7
Phenol-d6
Concen: 151.426 ng
RT: 6.551 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

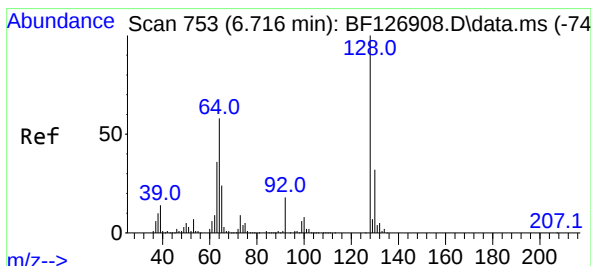
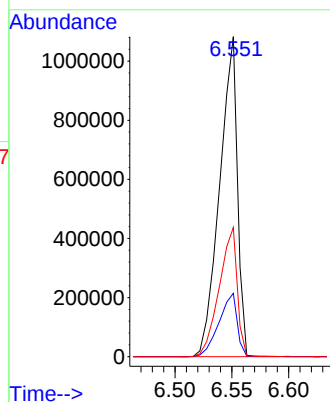
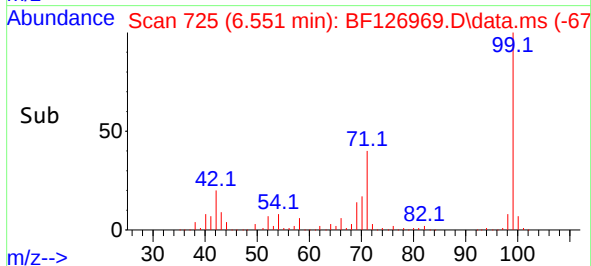
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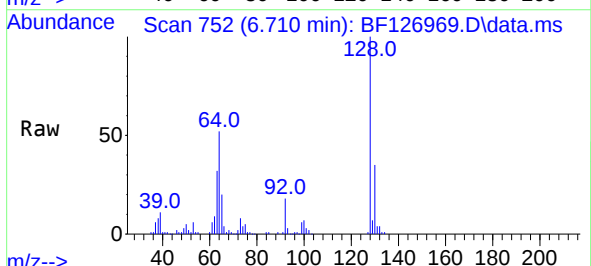
Tgt Ion: 99 Resp: 118119
Ion Ratio Lower Upper
99 100
42 19.8 14.2 21.4
71 40.4 24.3 36.5

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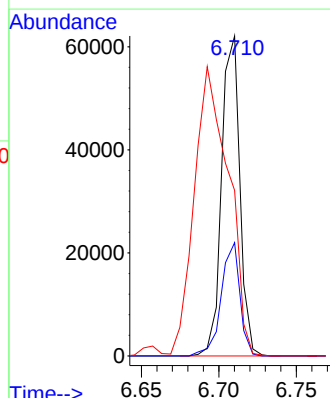
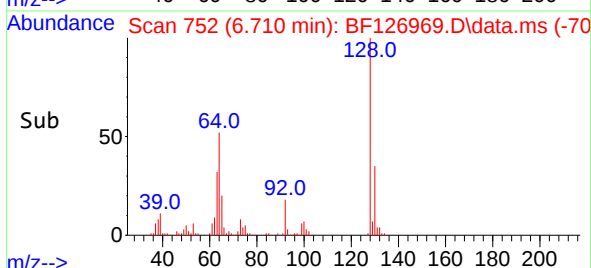
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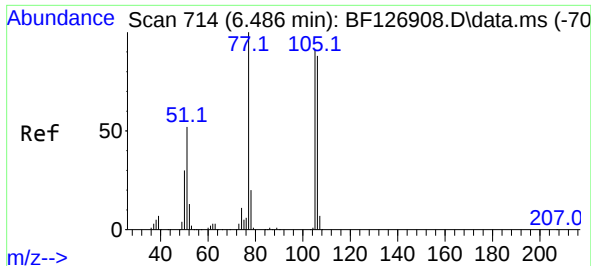


#8
2-Chlorophenol
Concen: 8.203 ng
RT: 6.710 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



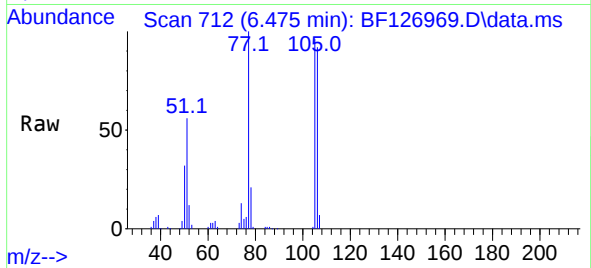
Tgt Ion:128 Resp: 50878
Ion Ratio Lower Upper
128 100
130 35.4 12.7 52.7
64 51.8 35.6 75.6





#9
Benzaldehyde
Concen: 10.166 ng
RT: 6.475 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

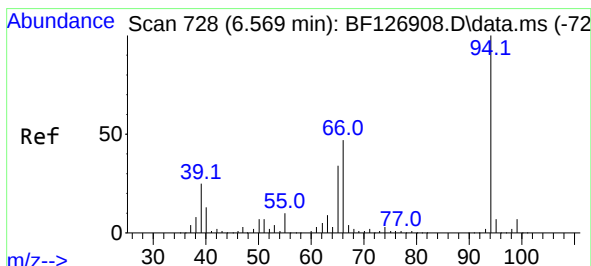
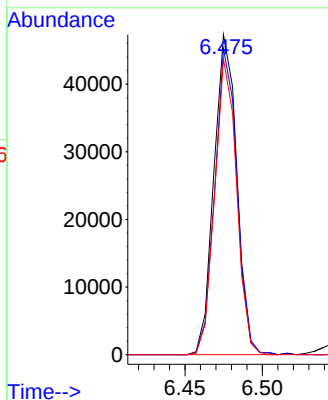
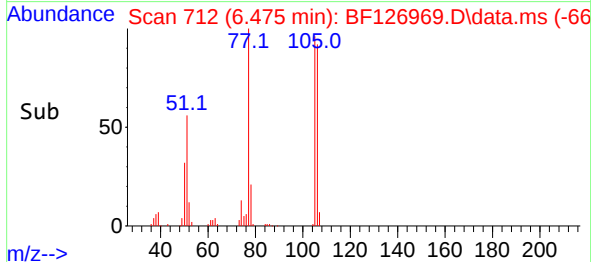
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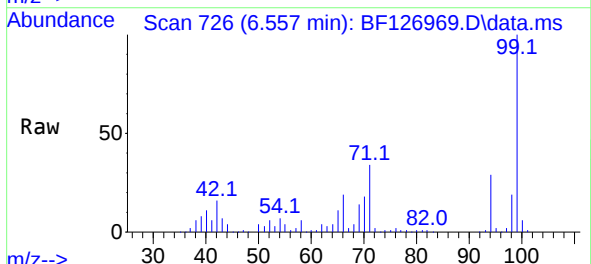
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Ion Ratio Lower Upper
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105 95.6 74.9 114.9
106 92.4 72.4 112.4

Manual Integrations
APPROVED

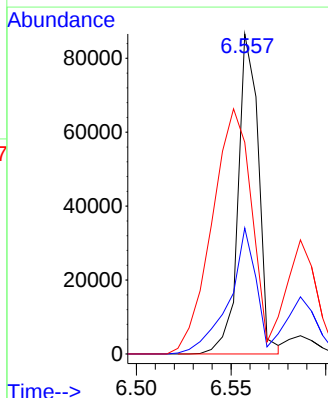
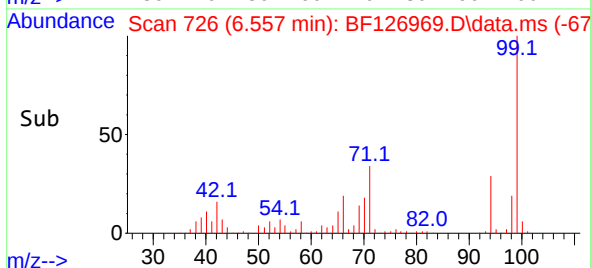
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

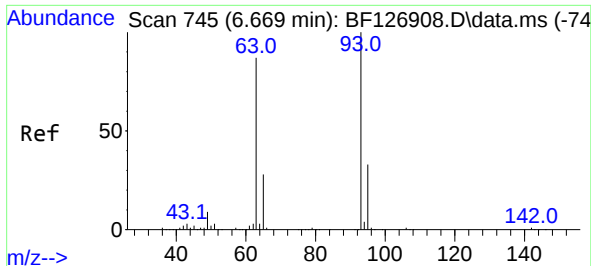


#10
Phenol
Concen: 8.176 ng
RT: 6.557 min Scan# 726
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



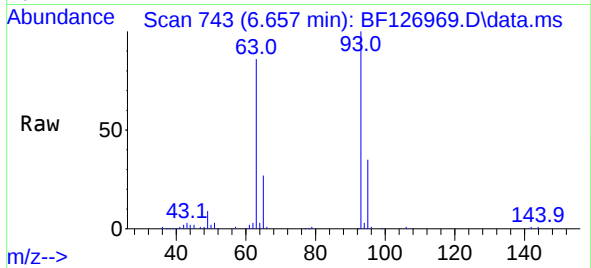
Tgt Ion: 94 Resp: 64443
Ion Ratio Lower Upper
94 100
65 39.4 7.2 47.2
66 66.2 14.5 54.5#





#11
bis(2-Chloroethyl)ether
Concen: 8.066 ng
RT: 6.657 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

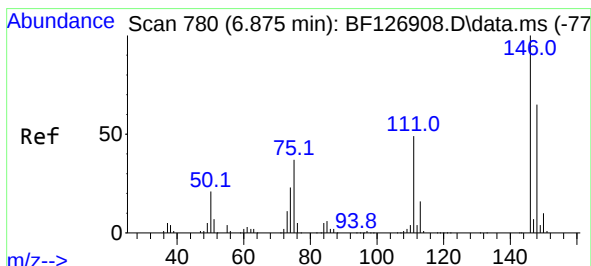
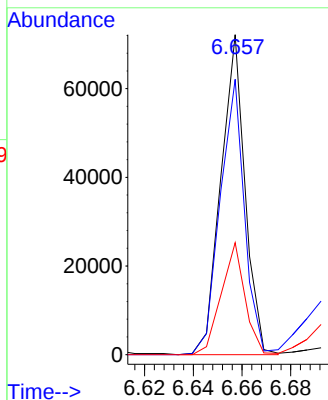
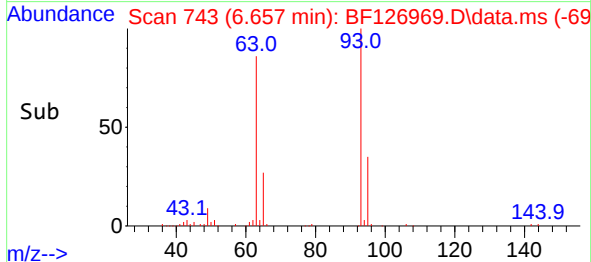
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



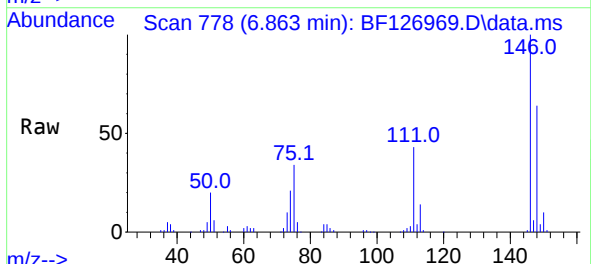
Tgt Ion: 93 Resp: 4986
Ion Ratio Lower Upper
93 100
63 86.0 60.5 100.5
95 35.0 12.9 52.9

Manual Integrations
APPROVED

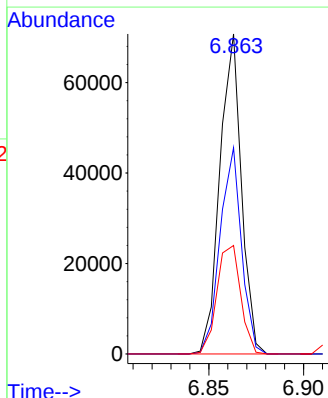
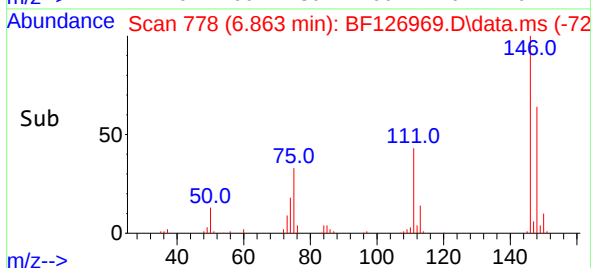
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

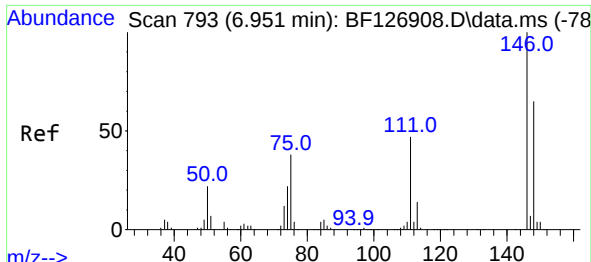


#12
1,3-Dichlorobenzene
Concen: 8.367 ng
RT: 6.863 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



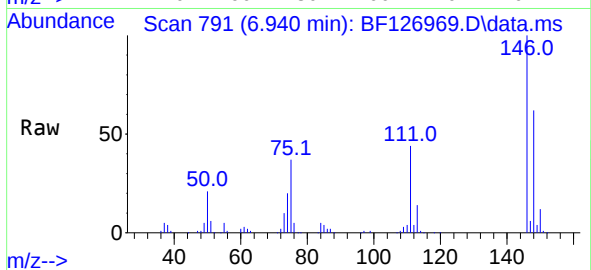
Tgt Ion:146 Resp: 55984
Ion Ratio Lower Upper
146 100
148 64.4 50.9 76.3
75 33.9 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 8.568 ng
RT: 6.940 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

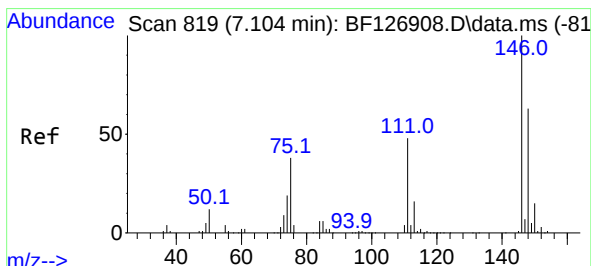
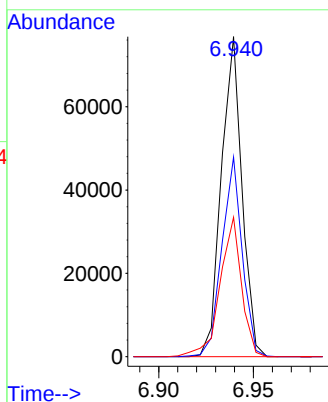
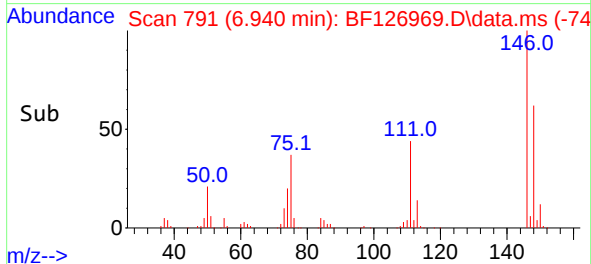
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



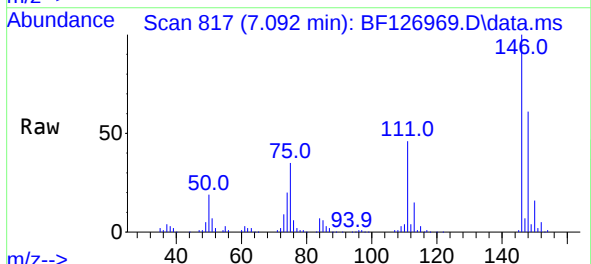
Tgt Ion:146 Resp: 58110
Ion Ratio Lower Upper
146 100
148 62.4 49.8 74.6
111 43.6 36.1 54.1

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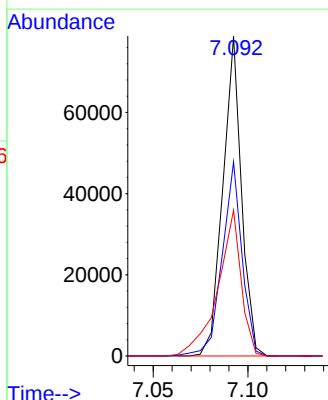
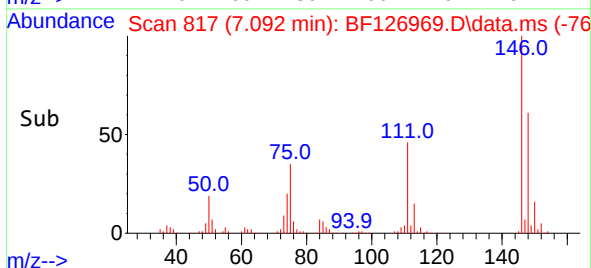
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

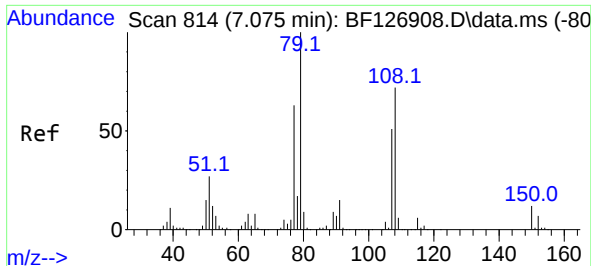


#14
1,2-Dichlorobenzene
Concen: 8.338 ng
RT: 7.092 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



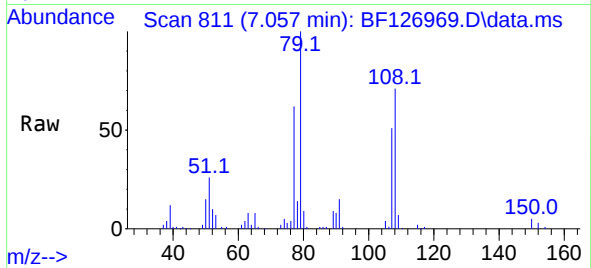
Tgt Ion:146 Resp: 53937
Ion Ratio Lower Upper
146 100
148 60.6 51.6 77.4
111 45.5 40.2 60.2





#15
Benzyl Alcohol
Concen: 9.452 ng
RT: 7.057 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

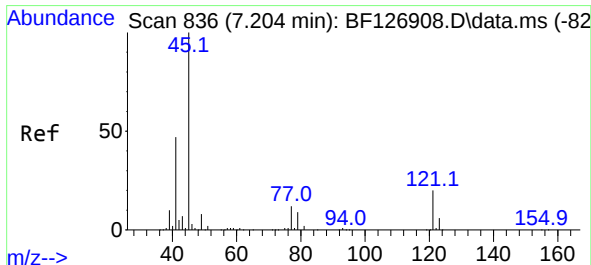
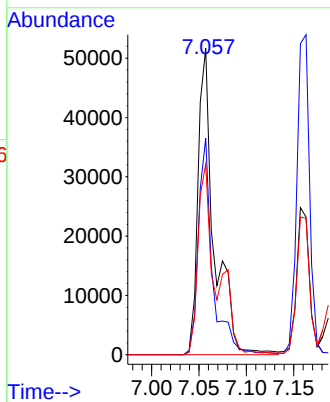
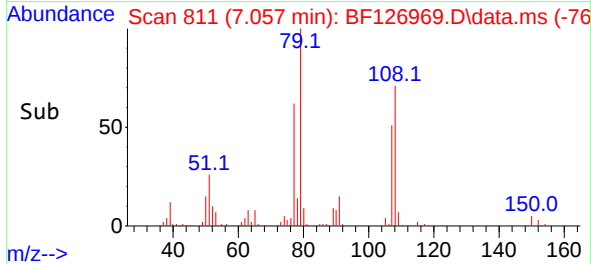
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



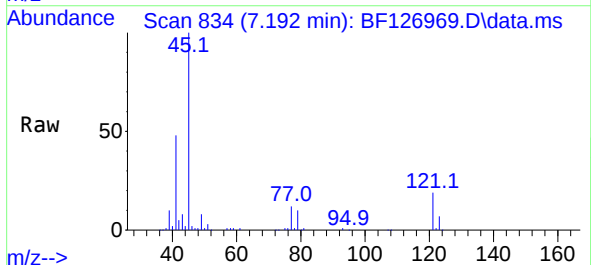
Tgt Ion: 79 Resp: 6211
Ion Ratio Lower Upper
79 100
108 70.7 63.2 94.8
77 62.3 49.4 74.2

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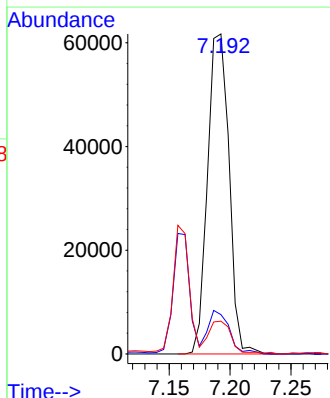
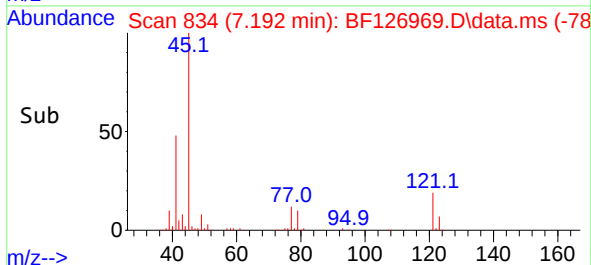
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

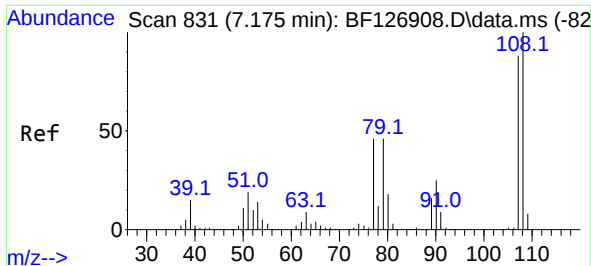


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.772 ng
RT: 7.192 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



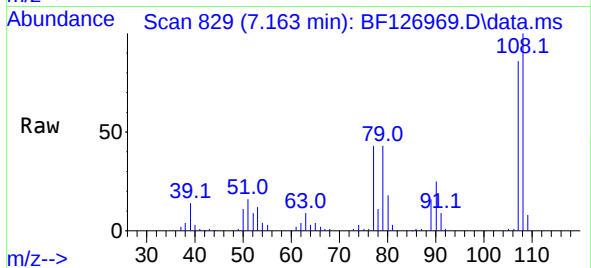
Tgt Ion: 45 Resp: 75655
Ion Ratio Lower Upper
45 100
77 12.3 0.0 32.4
79 10.3 0.0 29.8





#17
2-Methylphenol
Concen: 8.025 ng
RT: 7.163 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

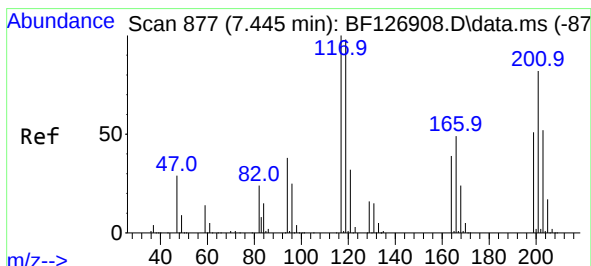
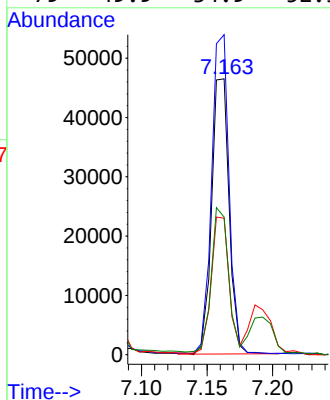
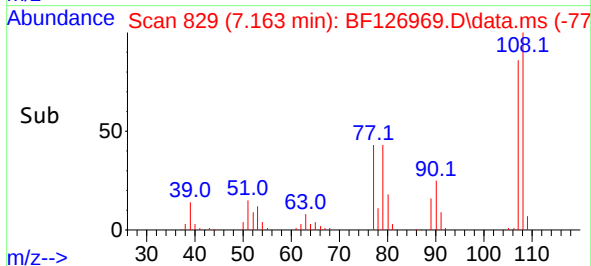
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



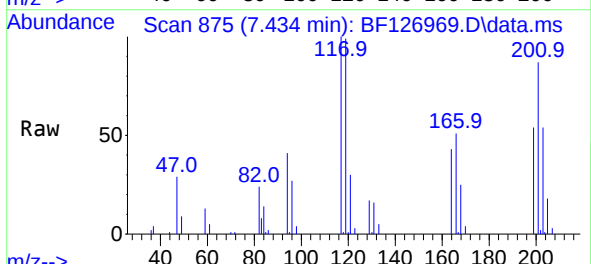
Tgt Ion:107 Resp: 4306
Ion Ratio Lower Upper
107 100
108 116.0 93.4 140.0
77 49.5 36.1 54.1
79 49.9 34.9 52.3

Manual Integrations
APPROVED

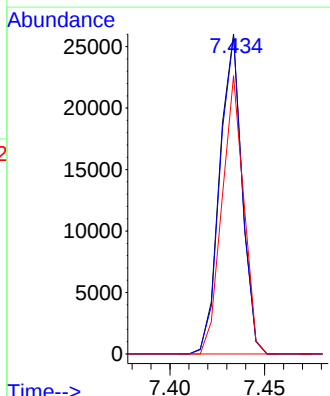
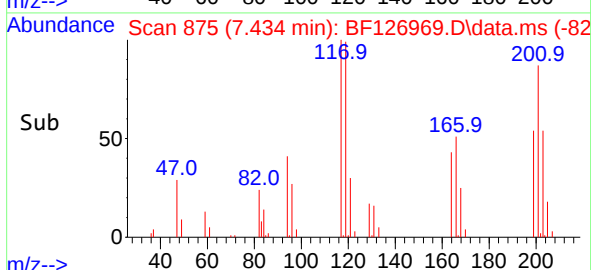
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

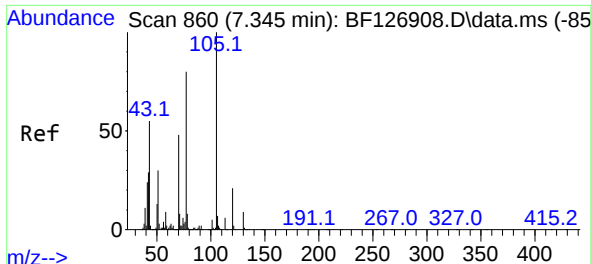


#18
Hexachloroethane
Concen: 8.200 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



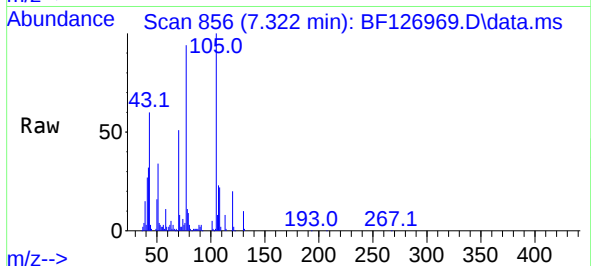
Tgt Ion:117 Resp: 21322
Ion Ratio Lower Upper
117 100
119 99.4 75.4 113.0
201 87.0 56.8 85.2#





#19
n-Nitroso-di-n-propylamine
Concen: 8.168 ng
RT: 7.322 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

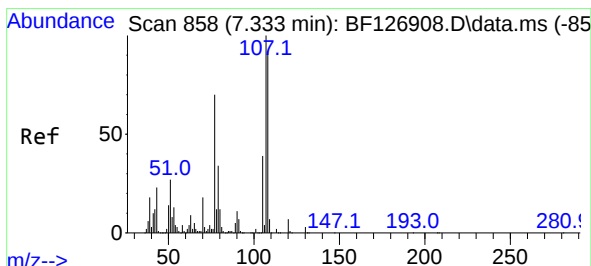
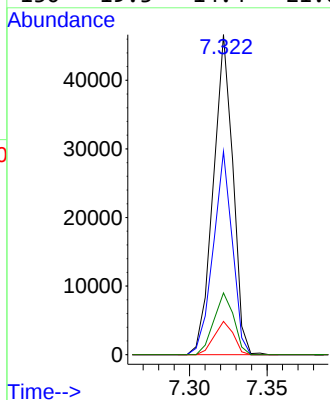
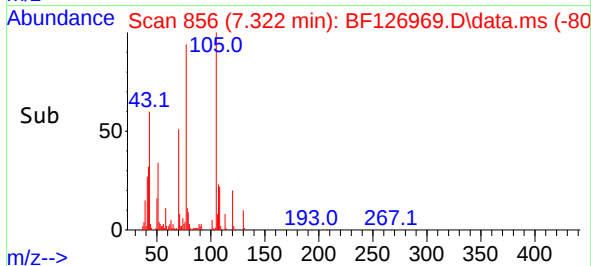
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



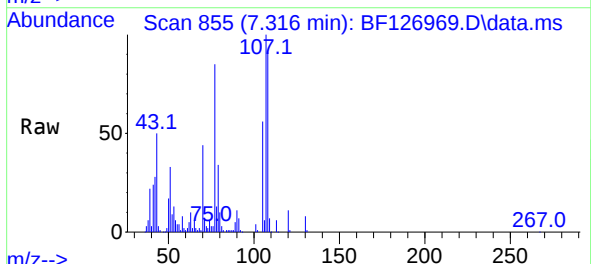
Tgt Ion: 70 Resp: 4105
Ion Ratio Lower Upper
70 100
42 63.5 45.8 68.8
101 10.4 6.9 10.3
130 19.3 14.4 21.6

Manual Integrations
APPROVED

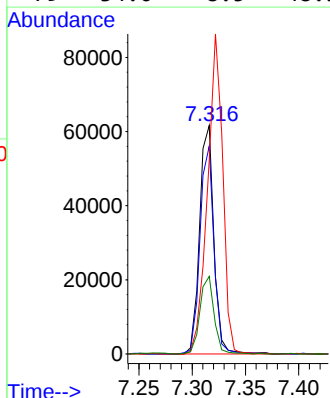
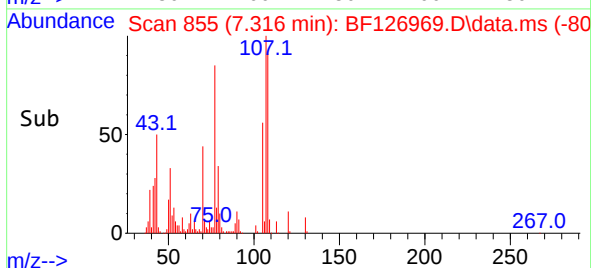
Reviewed By :Christian Giraldo 02/22/2022
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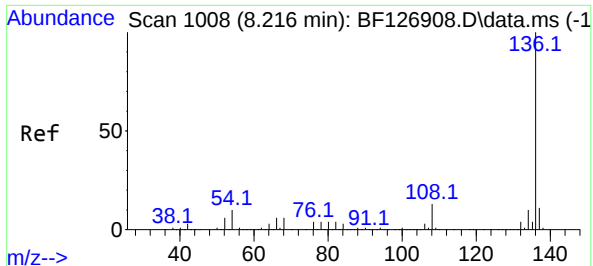


#20
3+4-Methylphenols
Concen: 8.280 ng
RT: 7.316 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



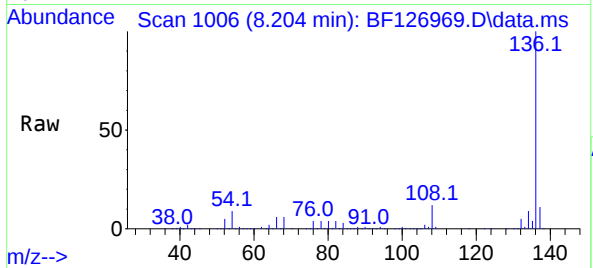
Tgt Ion:107 Resp: 57699
Ion Ratio Lower Upper
107 100
108 91.0 72.4 112.4
77 85.0 83.8 123.8
79 34.0 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

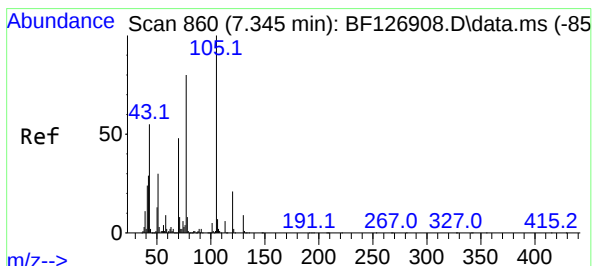
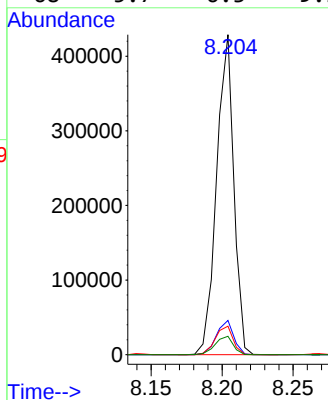
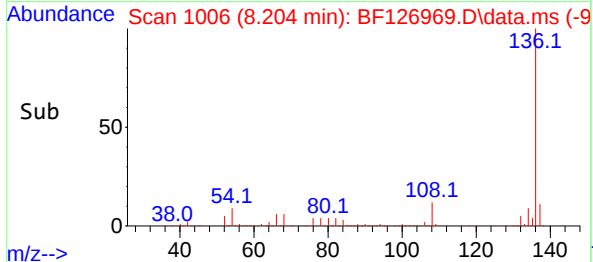
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



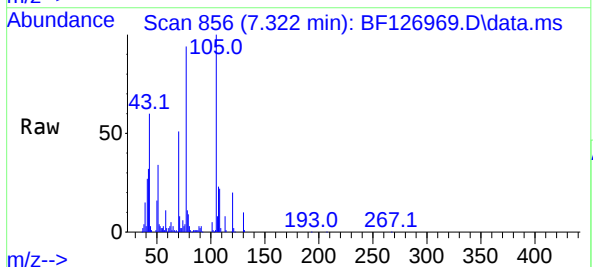
Tgt Ion:136 Resp: 36083
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.9 7.8 11.6
68 5.7 6.3 9.5#

Manual Integrations
APPROVED

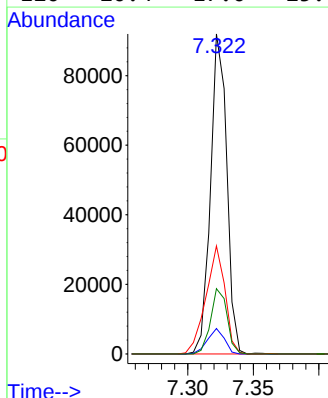
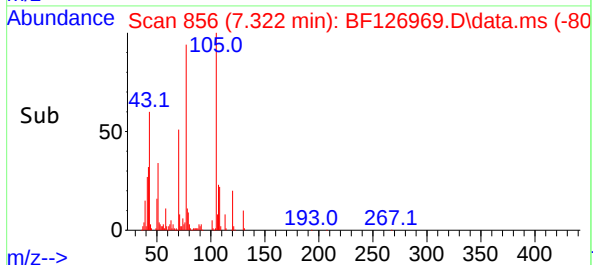
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

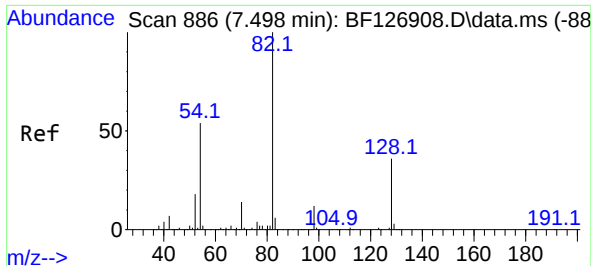


#22
Acetophenone
Concen: 8.366 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



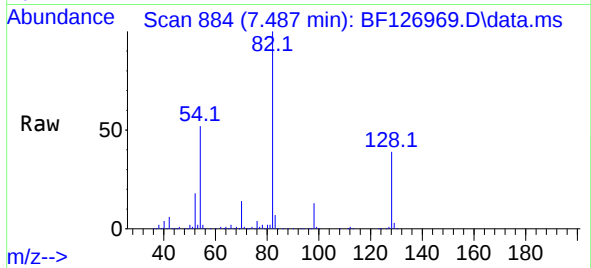
Tgt Ion:105 Resp: 79479
Ion Ratio Lower Upper
105 100
71 8.0 5.4 8.0
51 33.8 27.4 41.0
120 20.4 17.0 25.6





#23
Nitrobenzene-d5
Concen: 84.624 ng
RT: 7.487 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

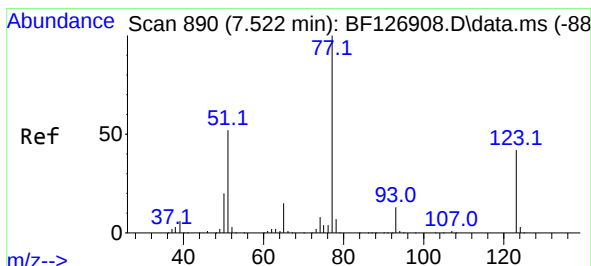
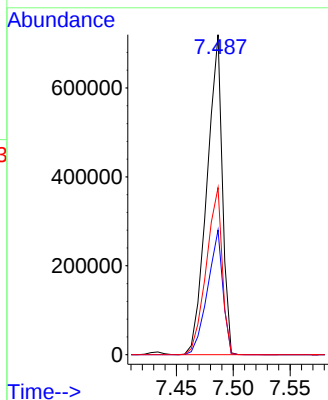
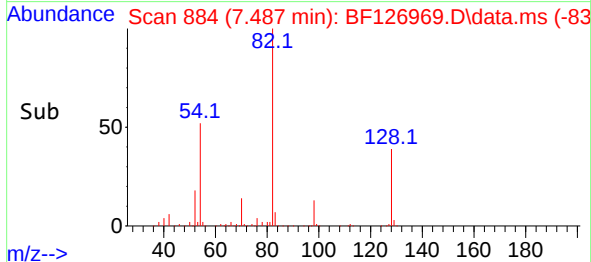
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



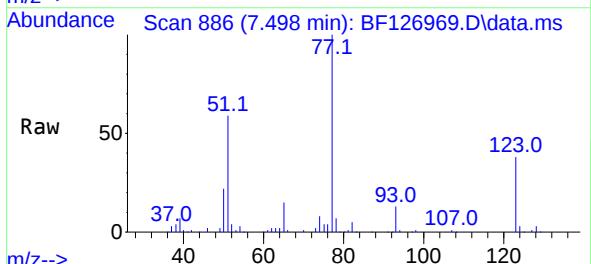
Tgt Ion: 82 Resp: 676490
Ion Ratio Lower Upper
82 100
128 39.0 32.7 49.1
54 52.2 41.7 62.5

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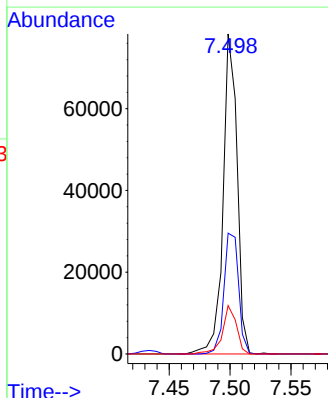
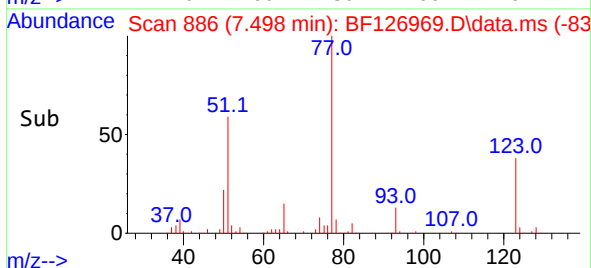
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

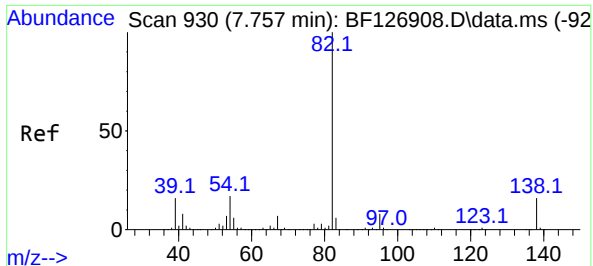


#24
Nitrobenzene
Concen: 8.336 ng
RT: 7.498 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



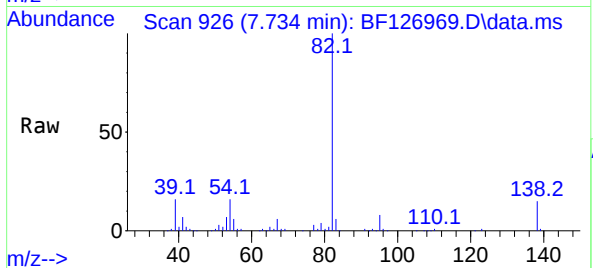
Tgt Ion: 77 Resp: 62952
Ion Ratio Lower Upper
77 100
123 37.8 34.6 52.0
65 15.1 10.6 15.8





#25
Isophorone
Concen: 8.459 ng
RT: 7.734 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

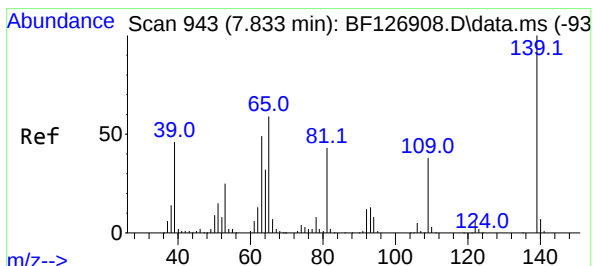
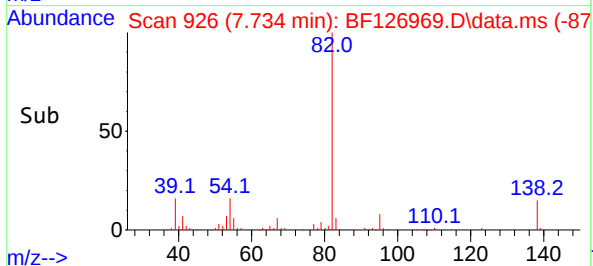
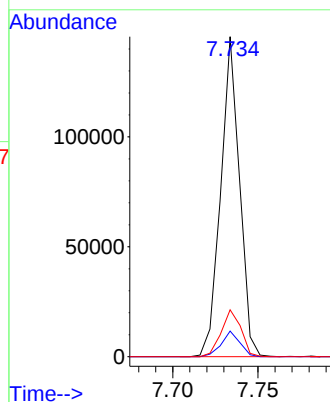
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion: 82 Resp: 111892
Ion Ratio Lower Upper
82 100
95 8.0 5.0 7.4#
138 14.6 12.3 18.5#

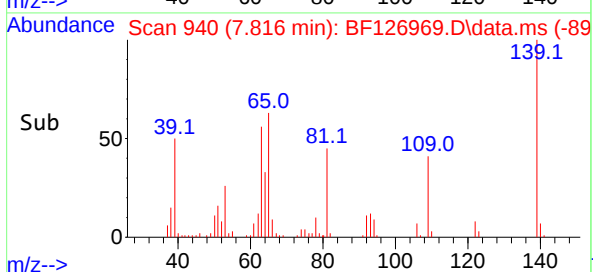
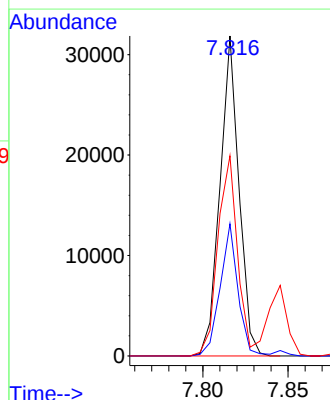
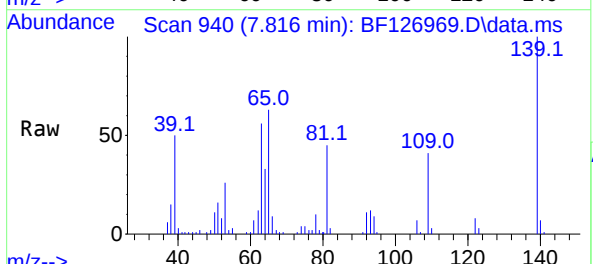
Manual Integrations
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Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

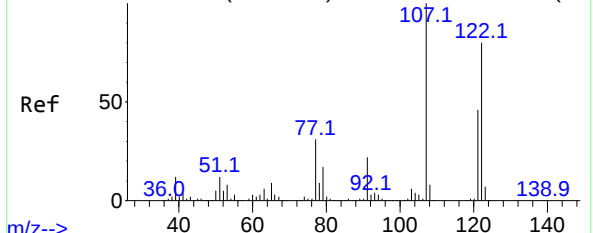


#26
2-Nitrophenol
Concen: 7.701 ng
RT: 7.816 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:139 Resp: 24762
Ion Ratio Lower Upper
139 100
109 41.3 20.0 30.0#
65 62.5 40.8 61.2#

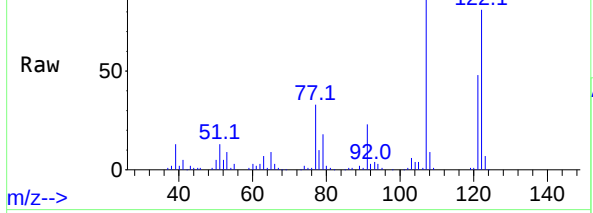


Abundance Scan 948 (7.863 min): BF126908.D\data.ms (-93



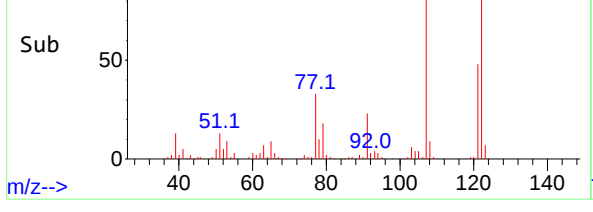
m/z-->

Abundance Scan 945 (7.845 min): BF126969.D\data.ms



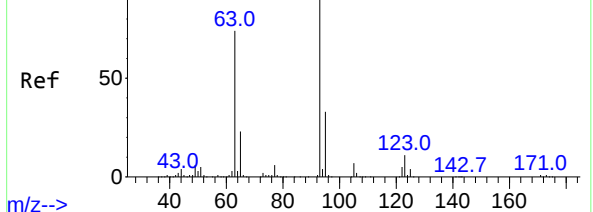
m/z-->

Abundance Scan 945 (7.845 min): BF126969.D\data.ms (-89



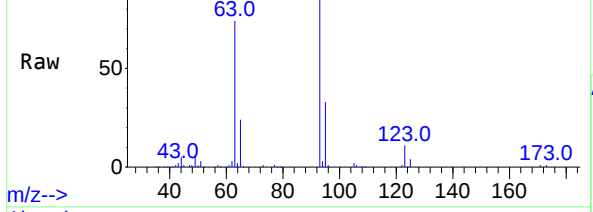
m/z-->

Abundance Scan 965 (7.963 min): BF126908.D\data.ms (-95



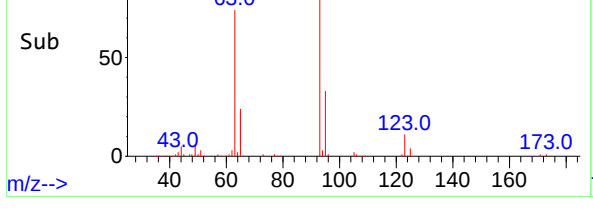
m/z-->

Abundance Scan 962 (7.945 min): BF126969.D\data.ms



m/z-->

Abundance Scan 962 (7.945 min): BF126969.D\data.ms (-91



m/z-->

#27

2,4-Dimethylphenol

Concen: 9.161 ng

RT: 7.845 min Scan# 94

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Tgt Ion:122 Resp: 4839

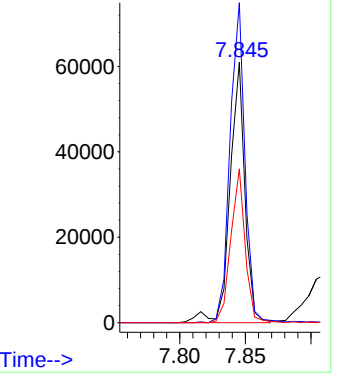
Ion Ratio Lower Upper

122 100

107 122.9 91.2 136.8

121 59.1 44.4 66.6

Abundance



Time-->

#28

bis(2-Chloroethoxy)methane

Concen: 7.751 ng

RT: 7.945 min Scan# 962

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Tgt Ion: 93 Resp: 62159

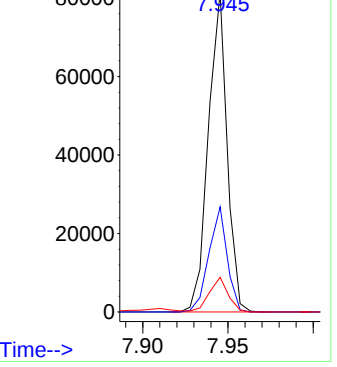
Ion Ratio Lower Upper

93 100

95 32.9 25.4 38.2

123 10.8 8.9 13.3

Abundance



Time-->

Instrument :

BNA_F

ClientSampleId :

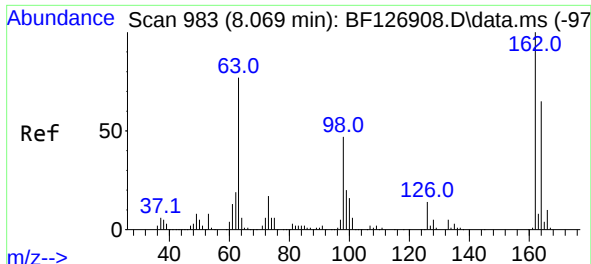
MDL-SOIL-03-QT4-2021

Manual Integrations

APPROVED

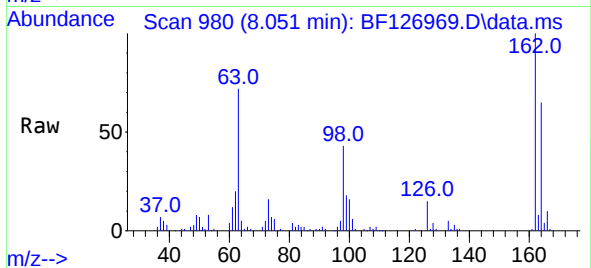
Reviewed By :Christian Giraldo 02/22/2022

Supervised By :Jagrut Upadhyay 02/22/2022



#29
2,4-Dichlorophenol
Concen: 8.247 ng
RT: 8.051 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

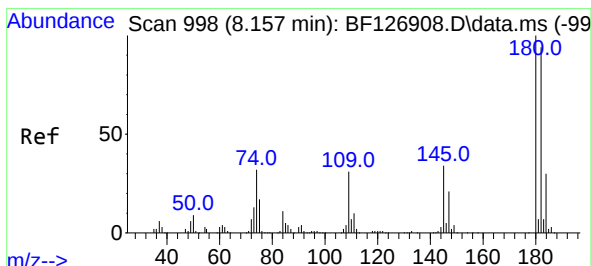
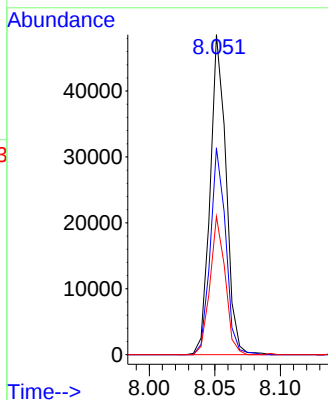
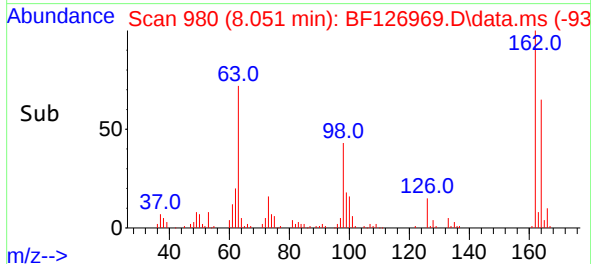
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



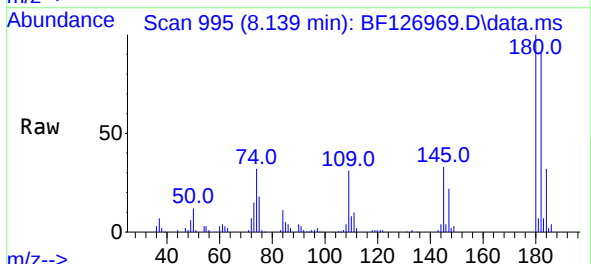
Tgt Ion:162 Resp: 4095
Ion Ratio Lower Upper
162 100
164 64.7 43.8 83.8
98 43.2 23.6 63.6

Manual Integrations
APPROVED

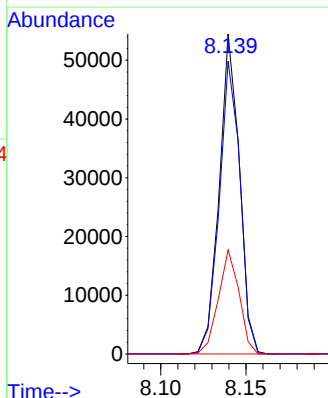
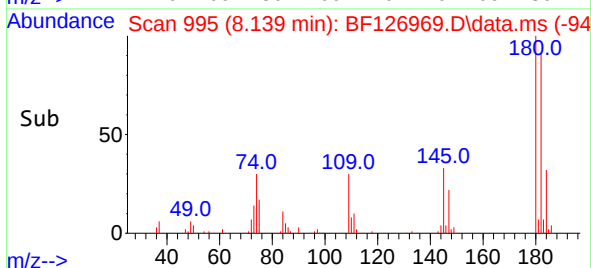
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

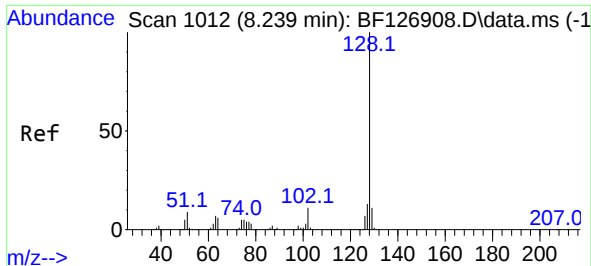


#30
1,2,4-Trichlorobenzene
Concen: 8.093 ng
RT: 8.139 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



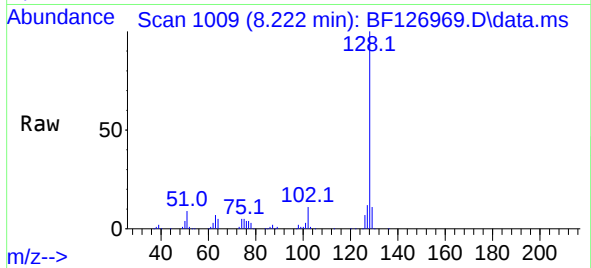
Tgt Ion:180 Resp: 44930
Ion Ratio Lower Upper
180 100
182 91.5 75.5 113.3
145 32.5 26.2 39.2





#31
Naphthalene
Concen: 8.410 ng
RT: 8.222 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

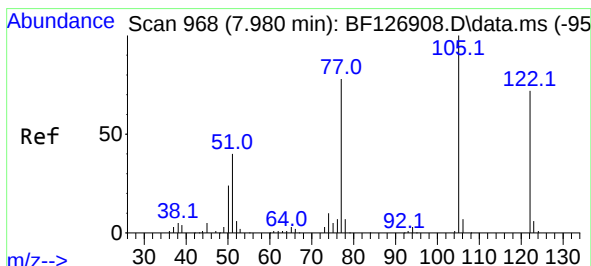
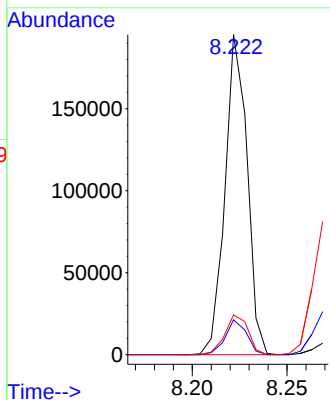
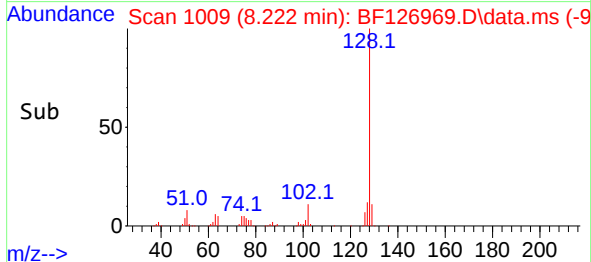
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:128 Resp: 158419
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.5 10.3 15.5

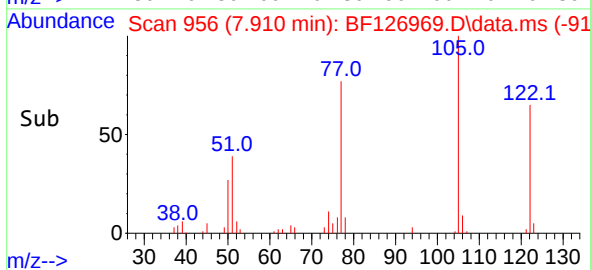
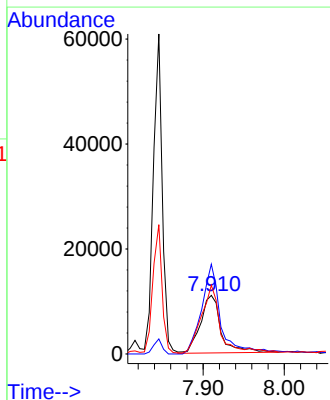
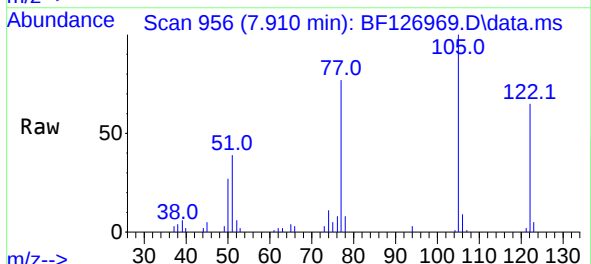
Manual Integrations
APPROVED

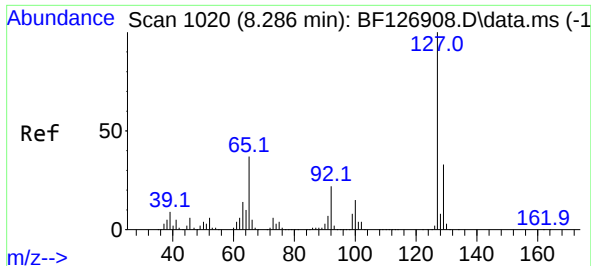
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#32
Benzoic acid
Concen: 5.157 ng
RT: 7.910 min Scan# 956
Delta R.T. -0.059 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:122 Resp: 19320
Ion Ratio Lower Upper
122 100
105 153.4 101.0 141.0#
77 117.7 74.5 114.5#





#33
4-Chloroaniline
Concen: 8.593 ng
RT: 8.269 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

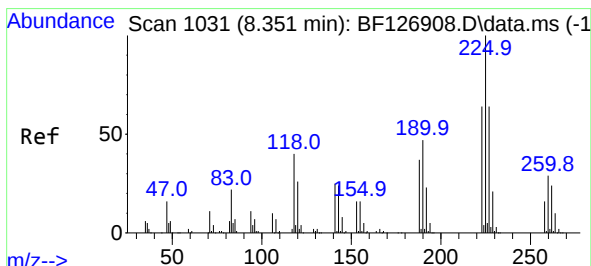
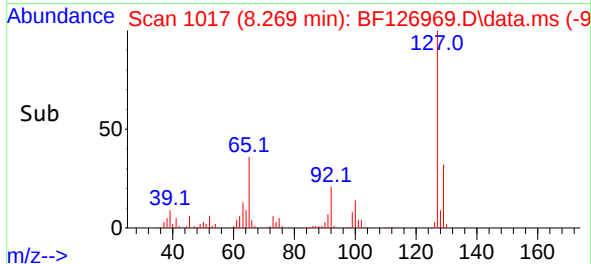
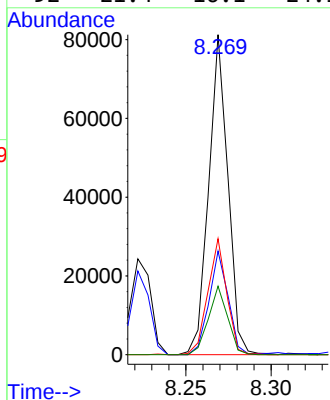
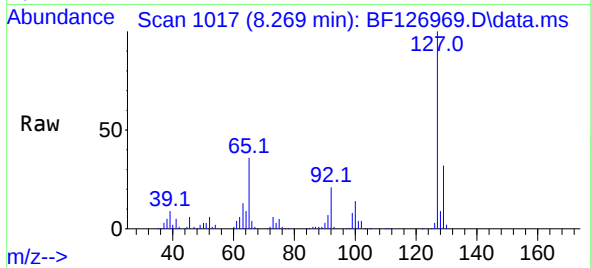
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion:127 Resp: 63709

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.5	39.7
65	36.2	26.6	39.8
92	21.4	16.1	24.1

Manual Integrations
APPROVED

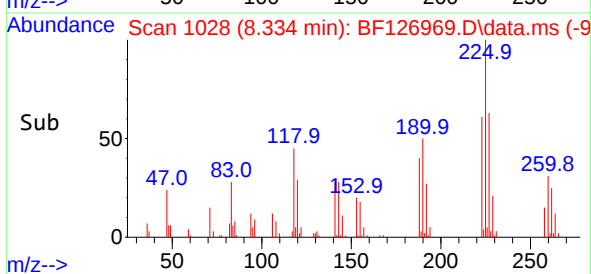
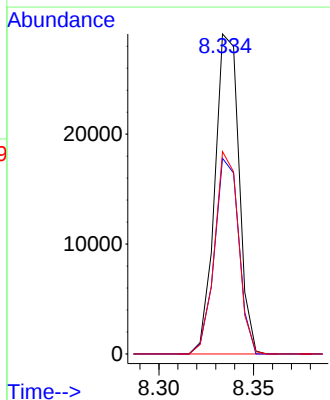
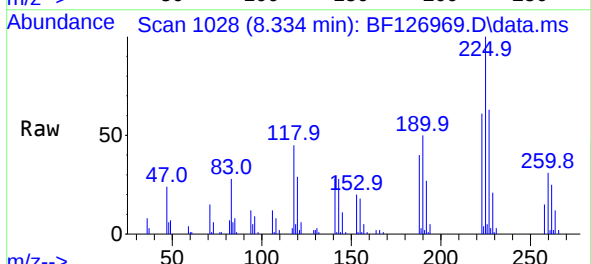
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

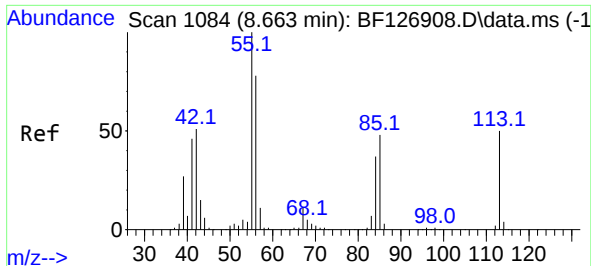


#34
Hexachlorobutadiene
Concen: 7.972 ng
RT: 8.334 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:225 Resp: 25841

Ion	Ratio	Lower	Upper
225	100		
223	61.1	48.6	73.0
227	63.2	51.4	77.0





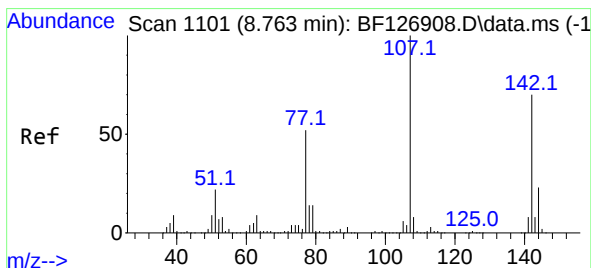
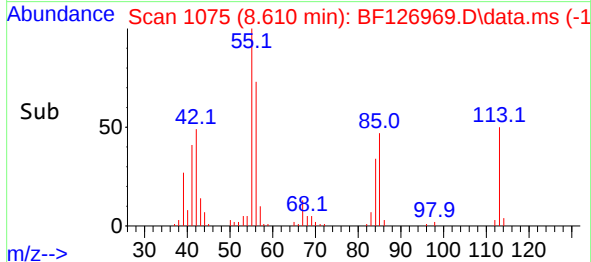
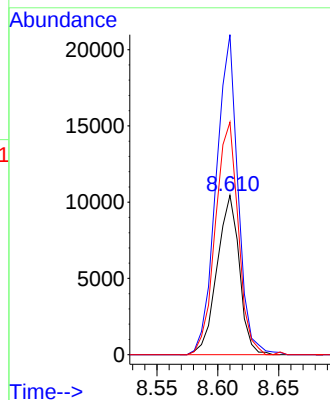
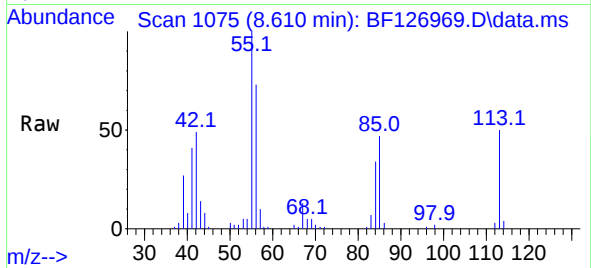
#35
 Caprolactam
 Concen: 7.696 ng
 RT: 8.610 min Scan# 1097
 Delta R.T. -0.041 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06

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

Tgt Ion:113 Resp: 1334
 Ion Ratio Lower Upper
 113 100
 55 200.9 183.9 223.9
 56 145.9 129.9 169.9

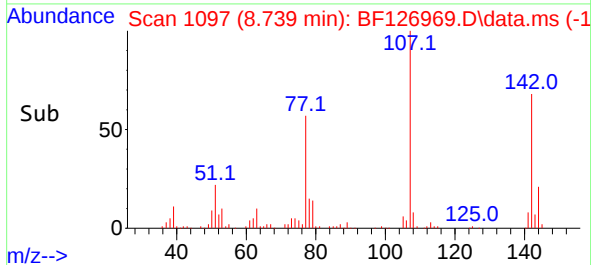
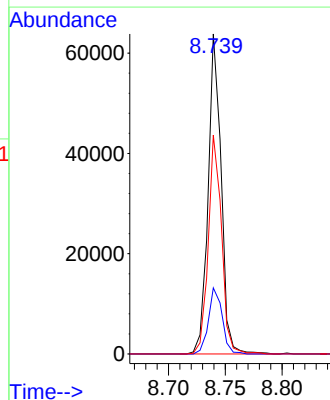
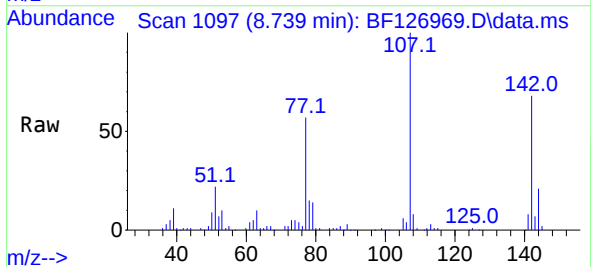
Manual Integrations
 APPROVED

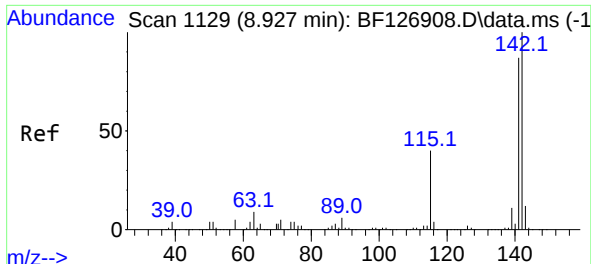
Reviewed By :Christian Giraldo 02/22/2022
 Supervised By :Jagrut Upadhyay 02/22/2022



#36
 4-Chloro-3-methylphenol
 Concen: 7.986 ng
 RT: 8.739 min Scan# 1097
 Delta R.T. -0.012 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06

Tgt Ion:107 Resp: 50688
 Ion Ratio Lower Upper
 107 100
 144 20.6 18.5 27.7
 142 68.4 58.1 87.1





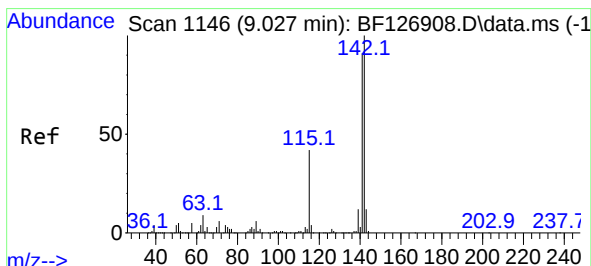
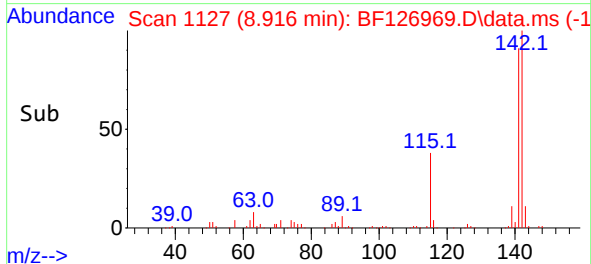
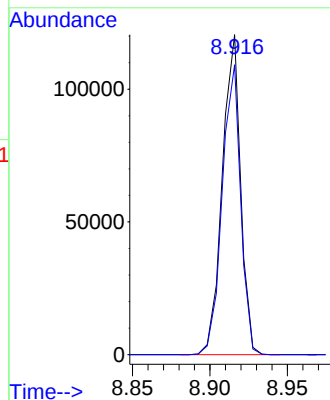
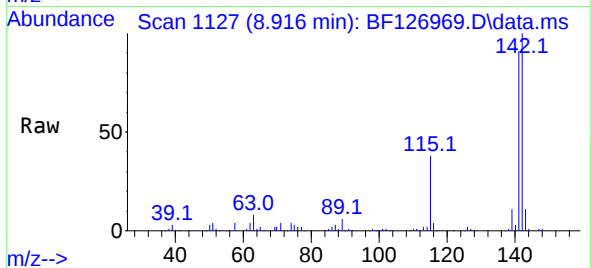
#37
2-Methylnaphthalene
Concen: 8.103 ng
RT: 8.916 min Scan# 1127
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

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

Tgt Ion:142 Resp: 9904
Ion Ratio Lower Upper
142 100
141 90.6 68.6 102.8

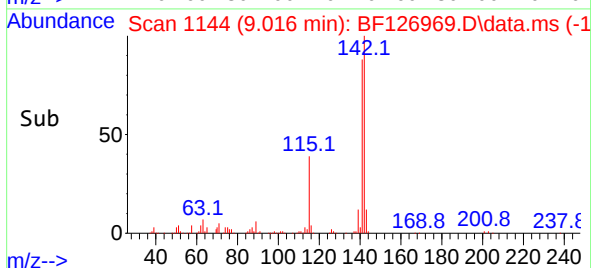
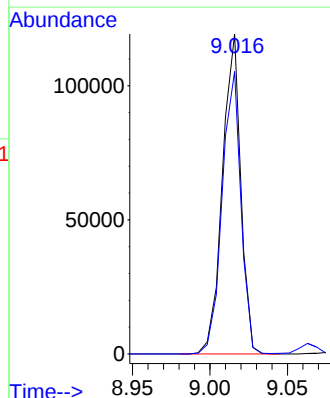
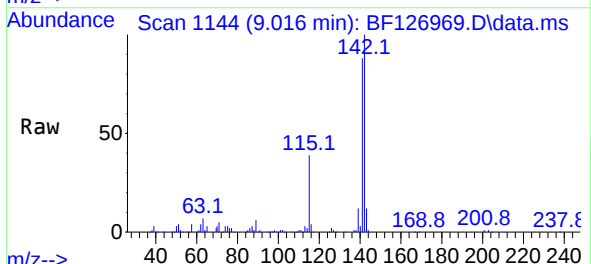
Manual Integrations
APPROVED

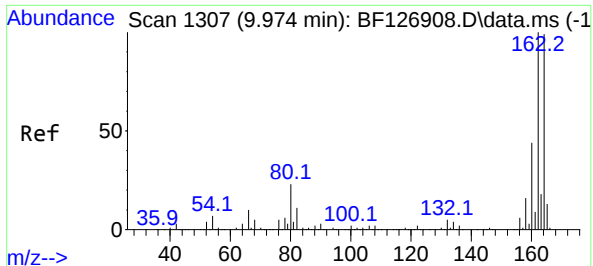
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#38
1-Methylnaphthalene
Concen: 8.385 ng
RT: 9.016 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion:142 Resp: 98138
Ion Ratio Lower Upper
142 100
141 88.3 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1105

Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

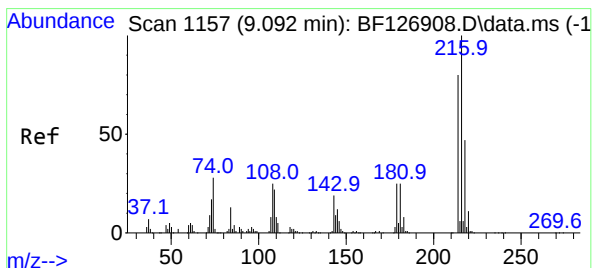
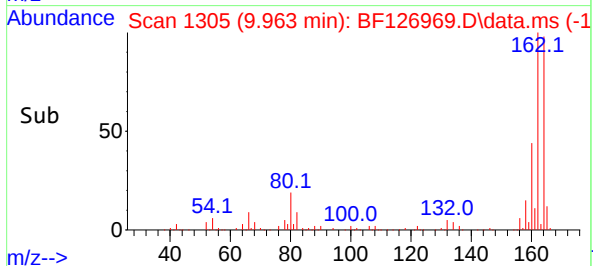
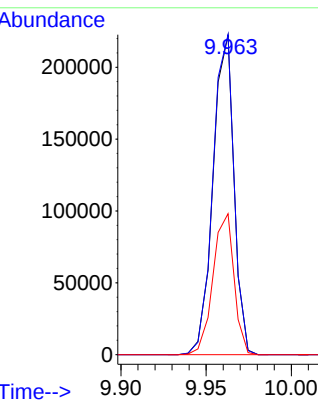
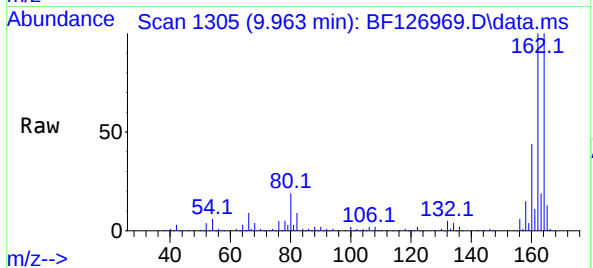
ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:164 Resp: 190022
 Ion Ratio Lower Upper
 164 100
 162 100.2 81.4 122.0
 160 44.1 36.6 54.8

Manual Integrations
 APPROVED

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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.244 ng

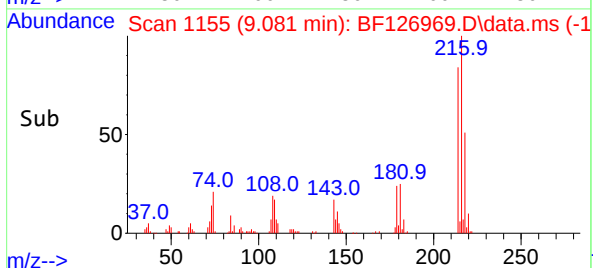
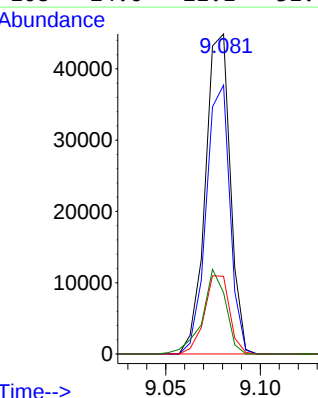
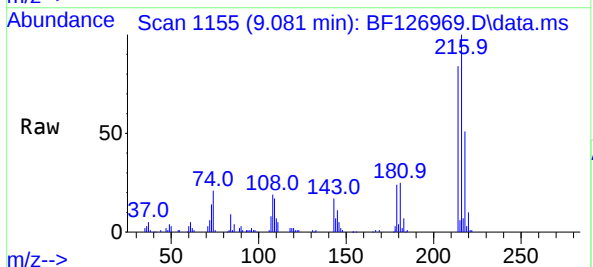
RT: 9.081 min Scan# 1155

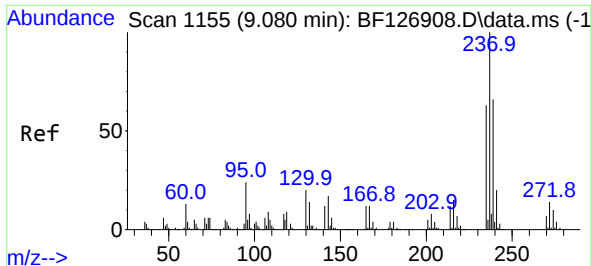
Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

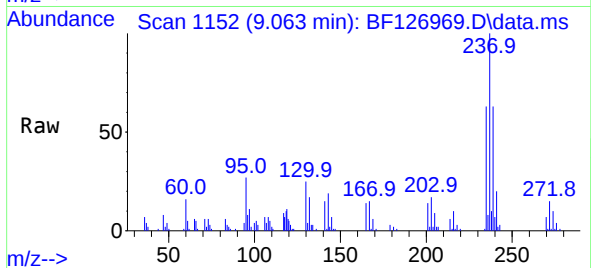
Tgt Ion:216 Resp: 41236
 Ion Ratio Lower Upper
 216 100
 214 80.2 64.6 96.8
 179 24.6 19.5 29.3
 108 24.6 21.1 31.7





#41
Hexachlorocyclopentadiene
Concen: 7.614 ng
RT: 9.063 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

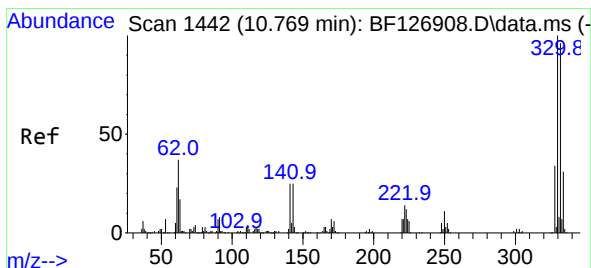
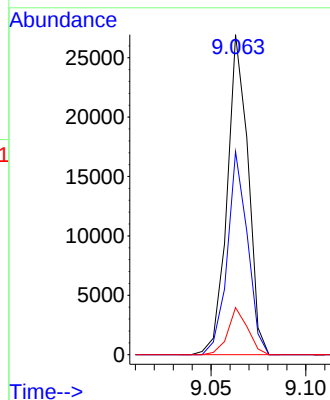
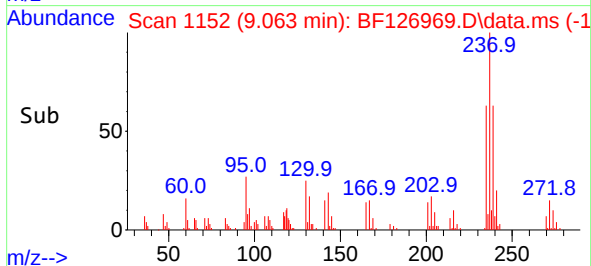
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



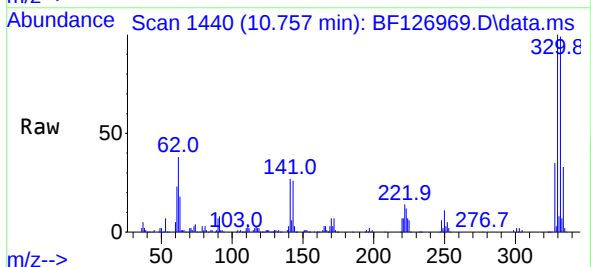
Tgt Ion:237 Resp: 20658
Ion Ratio Lower Upper
237 100
235 63.4 38.9 78.9
272 14.7 0.0 33.5

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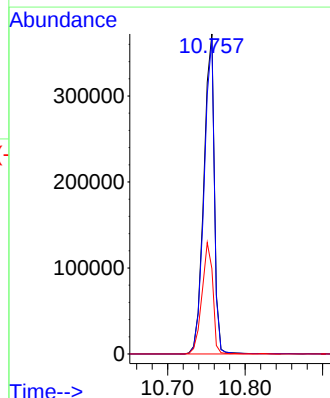
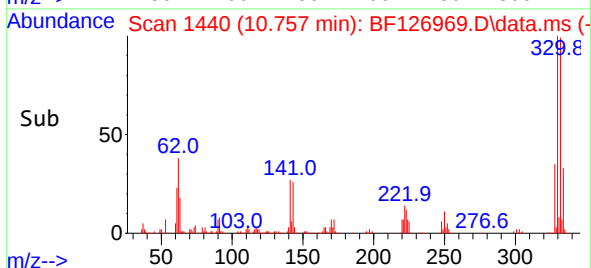
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

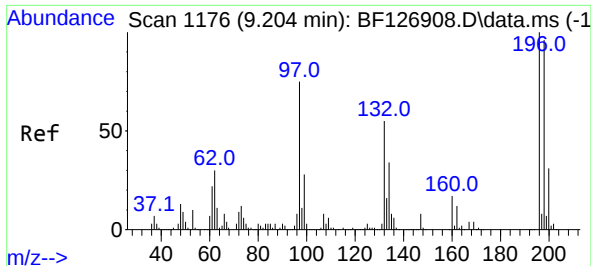


#42
2,4,6-Tribromophenol
Concen: 160.007 ng
RT: 10.757 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



Tgt Ion:330 Resp: 350071
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 35.8 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 7.529 ng

RT: 9.186 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:196 Resp: 2762

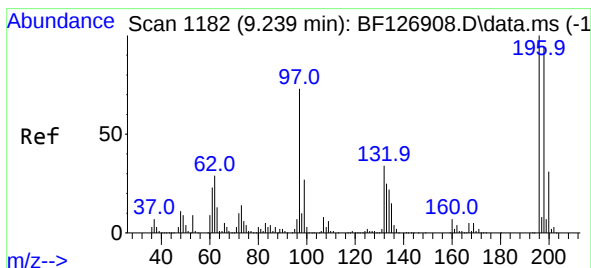
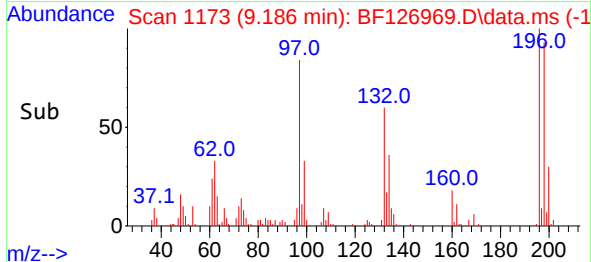
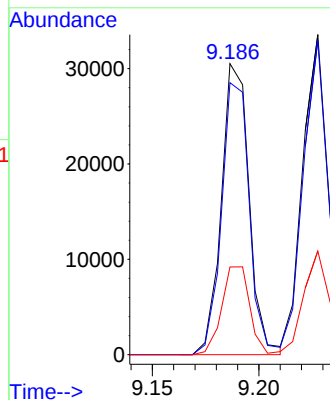
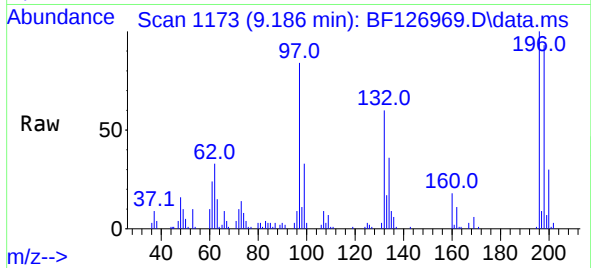
Ion	Ratio	Lower	Upper
196	100		
198	93.4	78.5	117.7
200	30.1	24.9	37.3

Manual Integrations

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Reviewed By :Christian Giraldo 02/22/2022

Supervised By :Jagrut Upadhyay 02/22/2022



#44

2,4,5-Trichlorophenol

Concen: 7.526 ng

RT: 9.228 min Scan# 1180

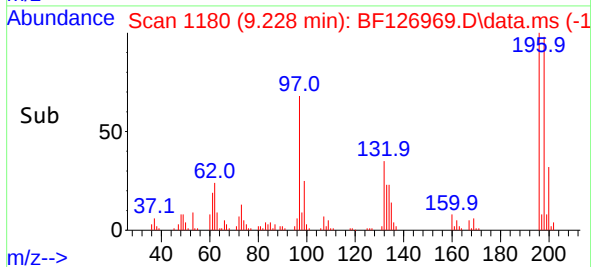
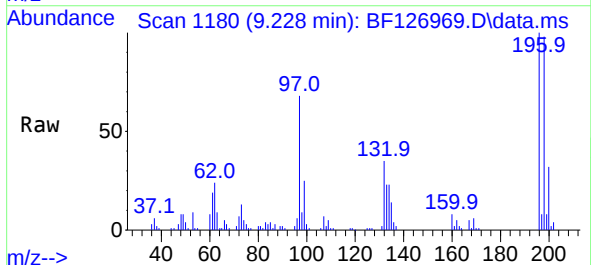
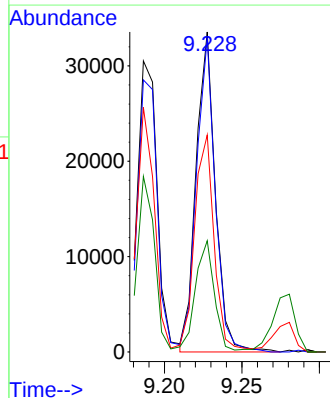
Delta R.T. -0.006 min

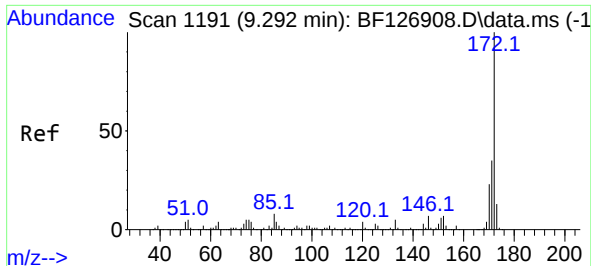
Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Tgt Ion:196 Resp: 29055

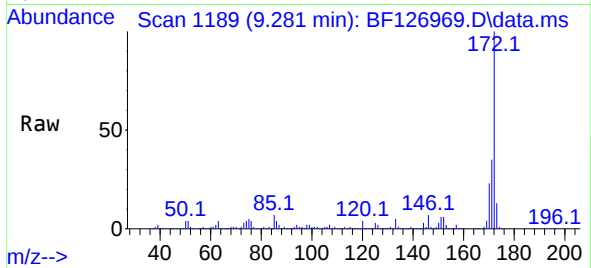
Ion	Ratio	Lower	Upper
196	100		
198	98.2	82.0	123.0
97	67.8	53.5	80.3
132	34.8	28.7	43.1





#45
2-Fluorobiphenyl
Concen: 84.597 ng
RT: 9.281 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

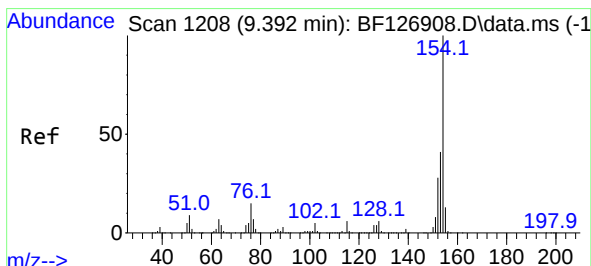
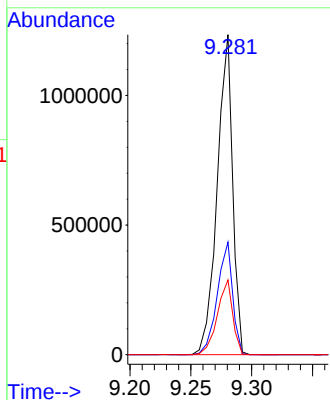
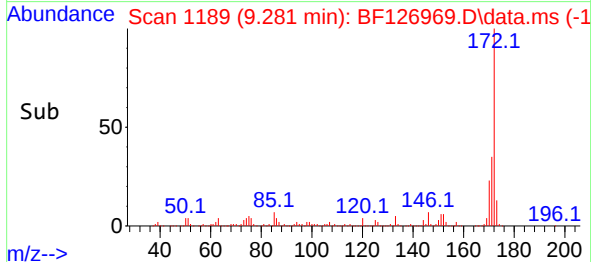
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



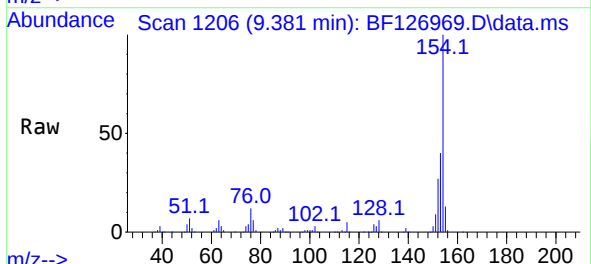
Tgt Ion:172 Resp: 109195
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.3 19.0 28.6

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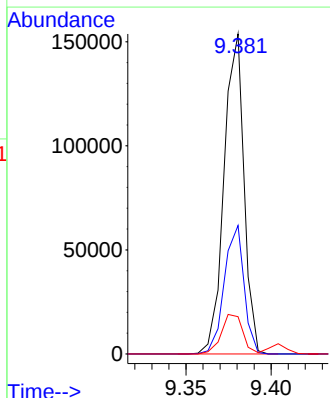
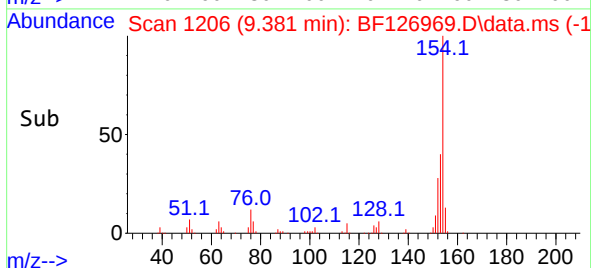
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

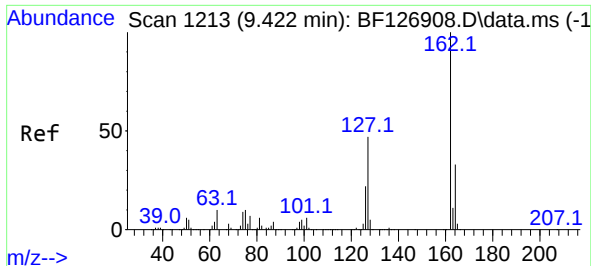


#46
1,1'-Biphenyl
Concen: 8.310 ng
RT: 9.381 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



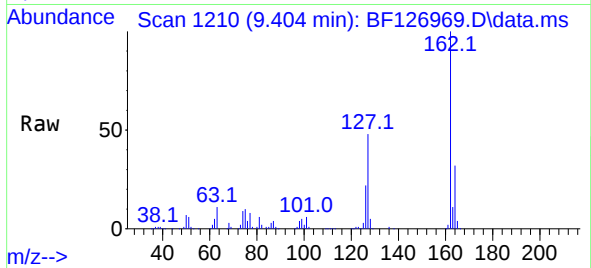
Tgt Ion:154 Resp: 125103
Ion Ratio Lower Upper
154 100
153 40.1 19.0 59.0
76 11.6 0.0 34.5





#47
2-Chloronaphthalene
Concen: 8.138 ng
RT: 9.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

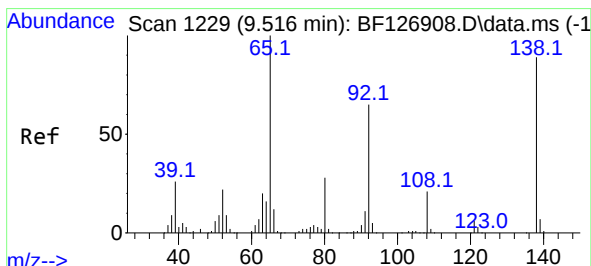
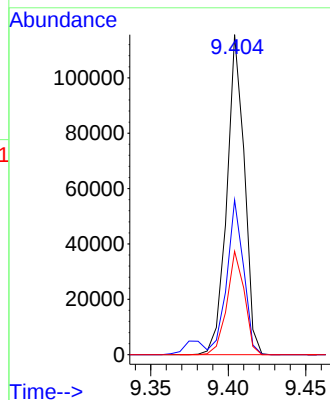
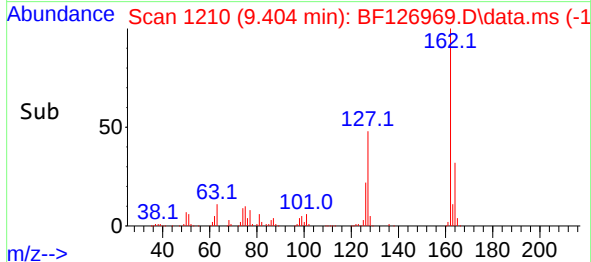
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2021



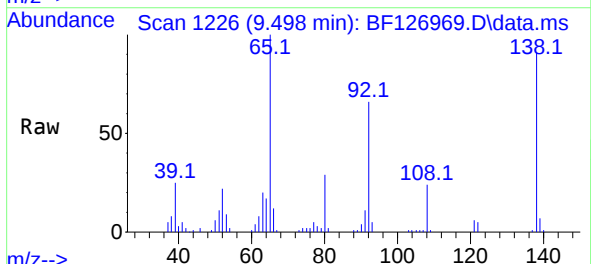
Tgt Ion:162 Resp: 9085
Ion Ratio Lower Upper
162 100
127 48.3 33.5 50.3
164 32.3 26.2 39.4

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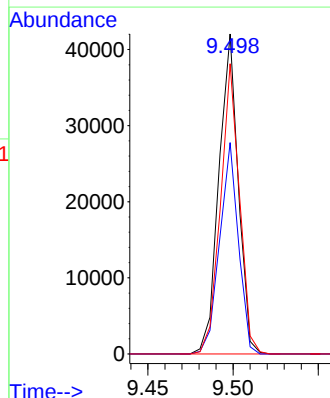
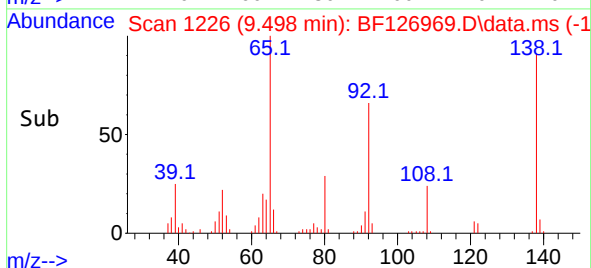
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

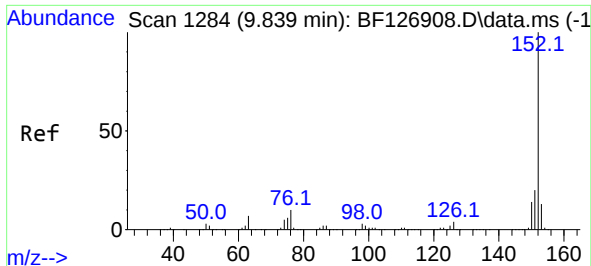


#48
2-Nitroaniline
Concen: 7.530 ng
RT: 9.498 min Scan# 1226
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



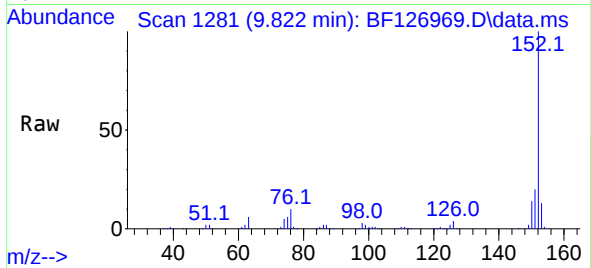
Tgt Ion: 65 Resp: 33172
Ion Ratio Lower Upper
65 100
92 66.1 54.4 81.6
138 90.7 72.5 108.7





#49
Acenaphthylene
Concen: 8.593 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

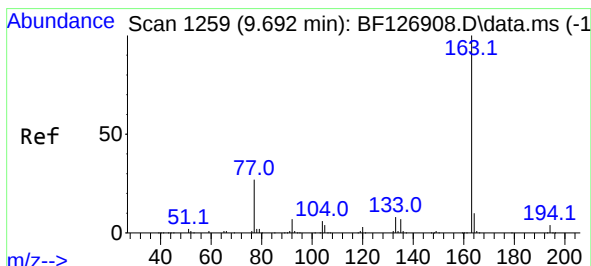
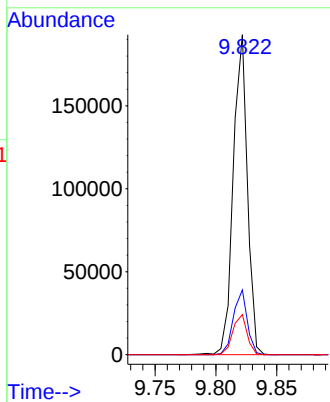
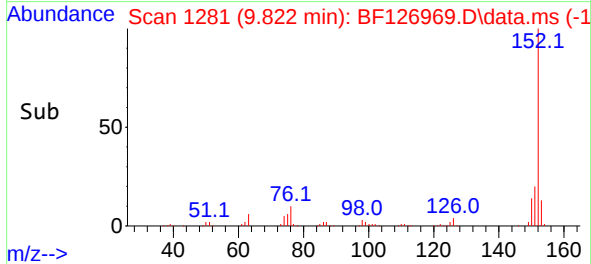
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



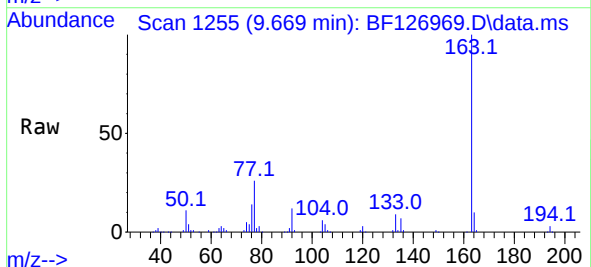
Tgt Ion:152 Resp: 155840
Ion Ratio Lower Upper
152 100
151 20.3 15.7 23.5
153 12.6 11.4 17.0

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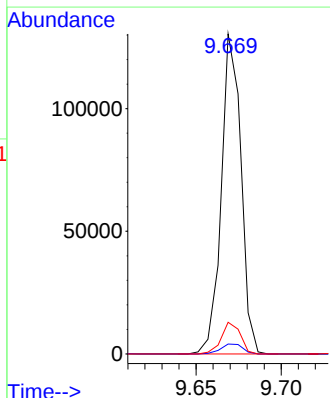
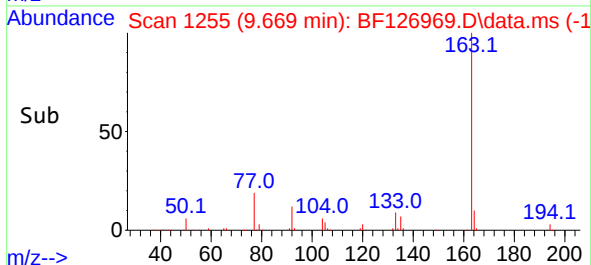
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

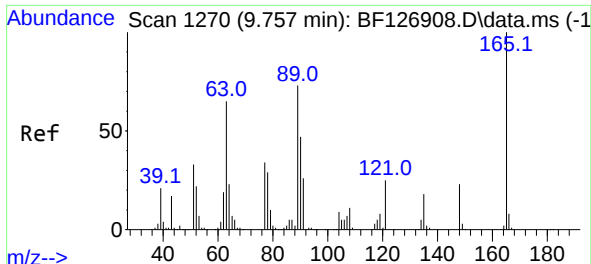


#50
Dimethylphthalate
Concen: 7.722 ng
RT: 9.669 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



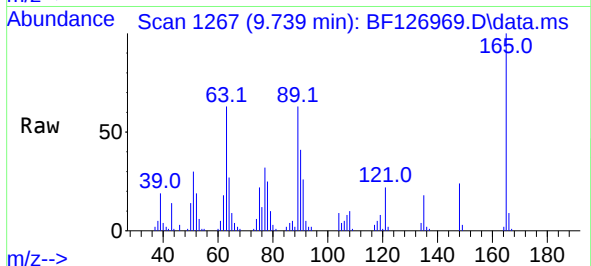
Tgt Ion:163 Resp: 104881
Ion Ratio Lower Upper
163 100
194 3.1 2.6 3.8
164 9.9 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 8.309 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

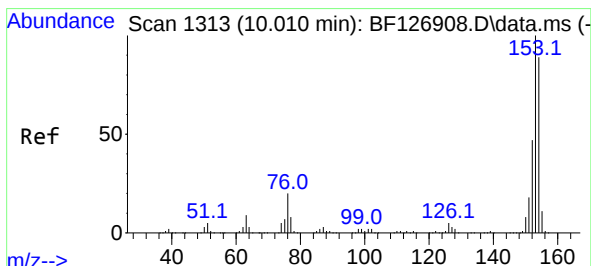
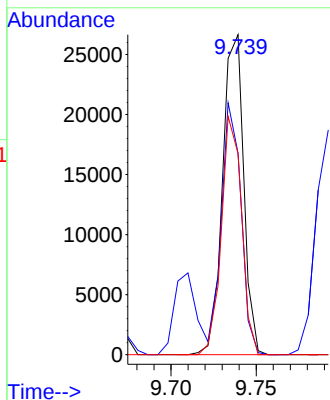
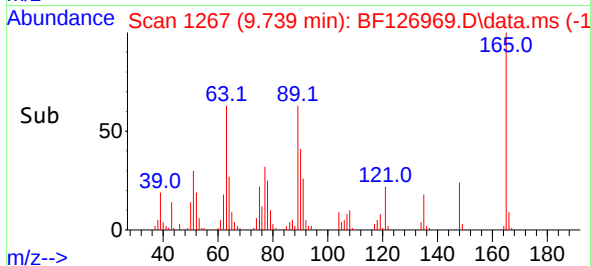
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:165 Resp: 22960
Ion Ratio Lower Upper
165 100
63 63.0 48.4 72.6
89 62.8 50.5 75.7

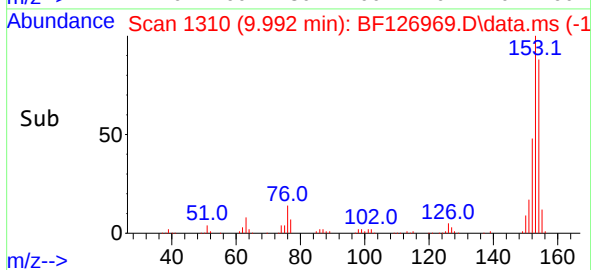
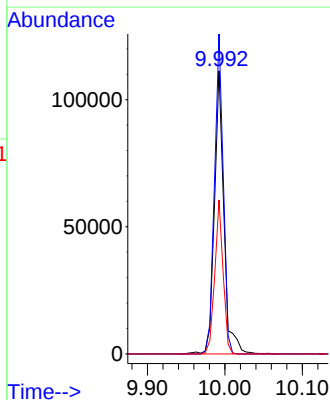
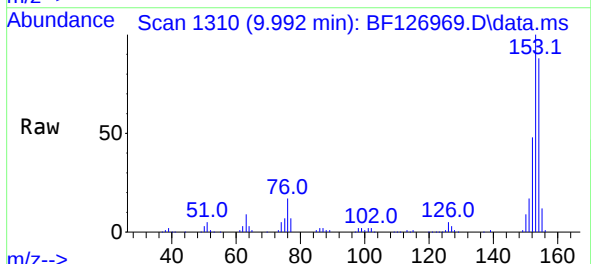
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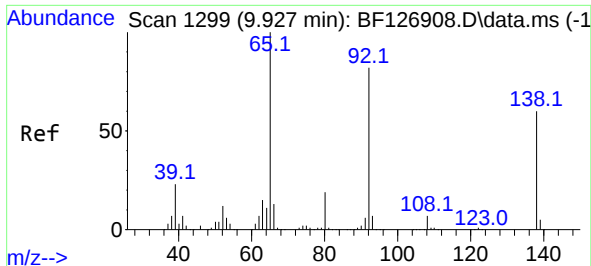
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#52
Acenaphthene
Concen: 8.020 ng
RT: 9.992 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

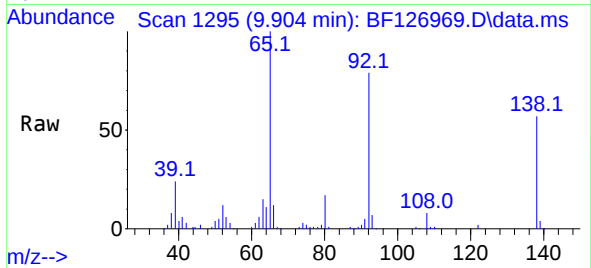
Tgt Ion:154 Resp: 94584
Ion Ratio Lower Upper
154 100
153 113.1 87.8 131.6
152 54.4 39.4 59.2





#53
3-Nitroaniline
Concen: 7.679 ng
RT: 9.904 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

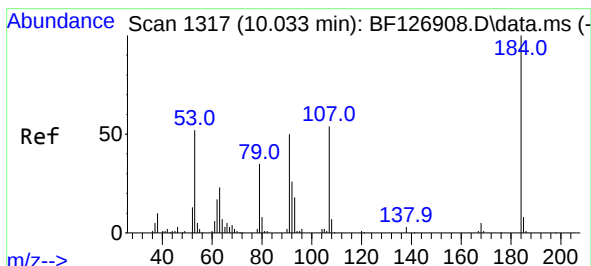
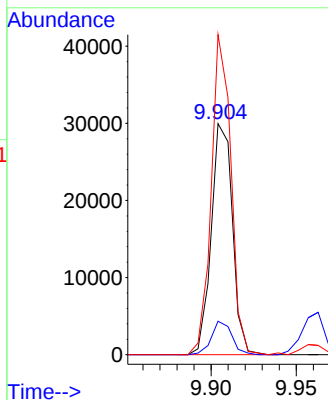
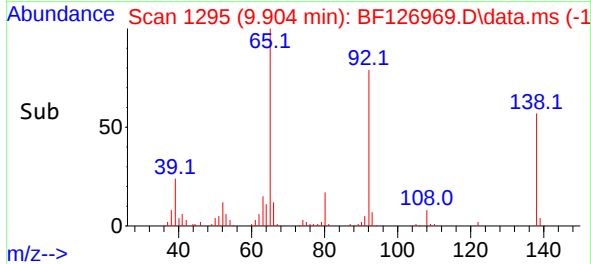
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



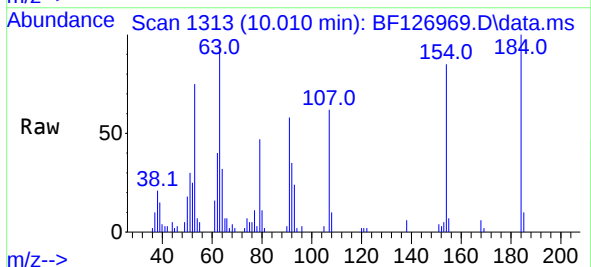
Tgt Ion:138 Resp: 25940
Ion Ratio Lower Upper
138 100
108 14.5 8.6 13.0
92 138.5 105.0 157.6

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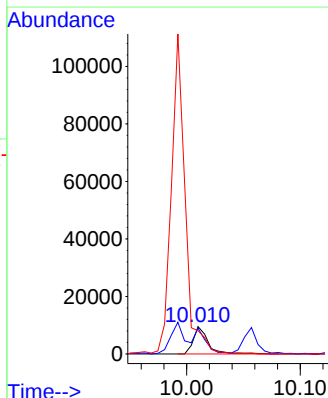
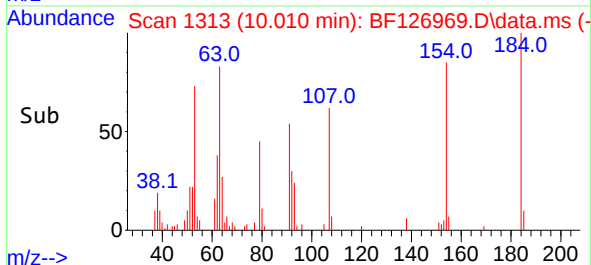
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

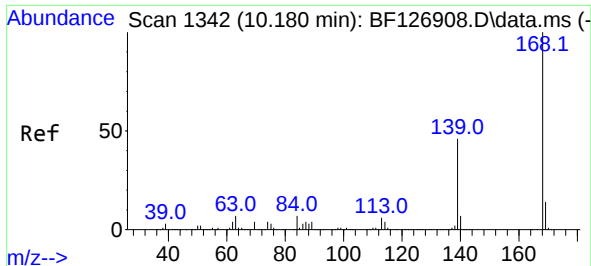


#54
2,4-Dinitrophenol
Concen: 5.850 ng
RT: 10.010 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



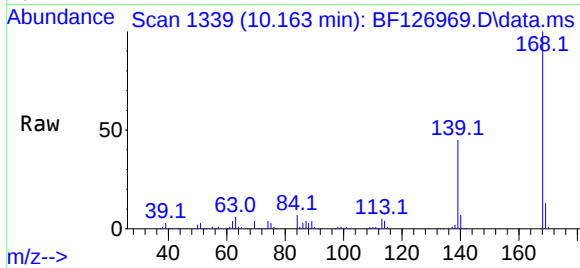
Tgt Ion:184 Resp: 8556
Ion Ratio Lower Upper
184 100
63 94.1 70.4 105.6
154 85.0 49.7 74.5





#55
Dibenzenofuran
Concen: 8.022 ng
RT: 10.163 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

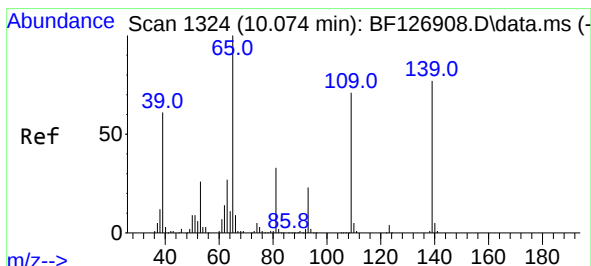
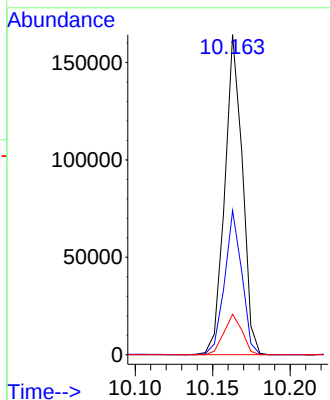
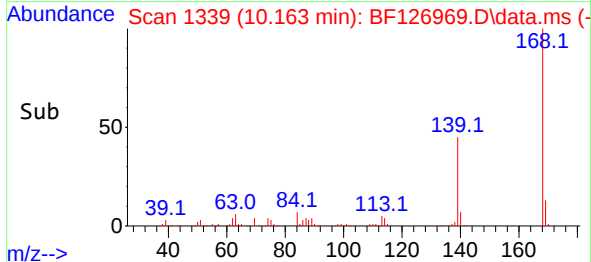
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



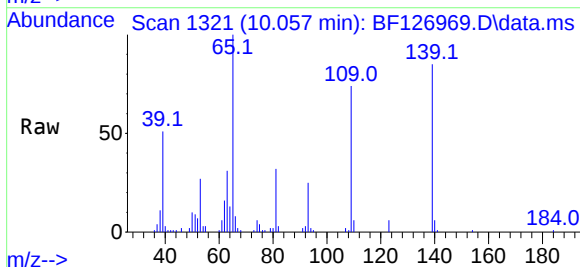
Tgt Ion:168 Resp: 13009
Ion Ratio Lower Upper
168 100
139 45.0 30.6 46.0
169 12.6 10.0 15.0

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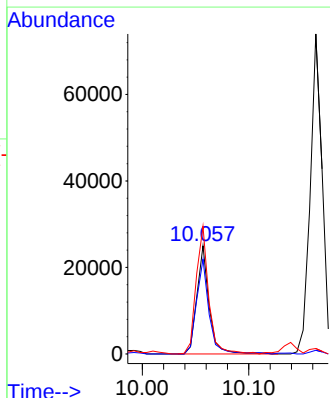
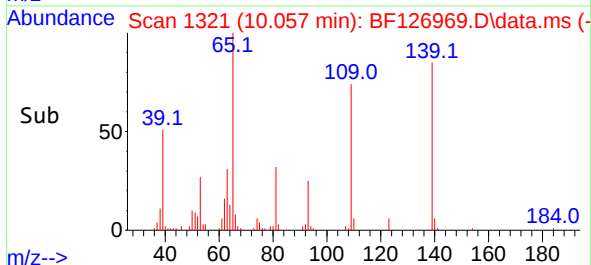
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

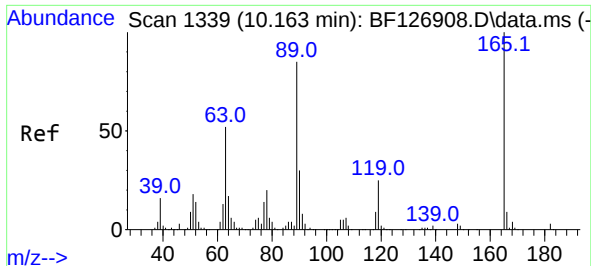


#56
4-Nitrophenol
Concen: 8.028 ng
RT: 10.057 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



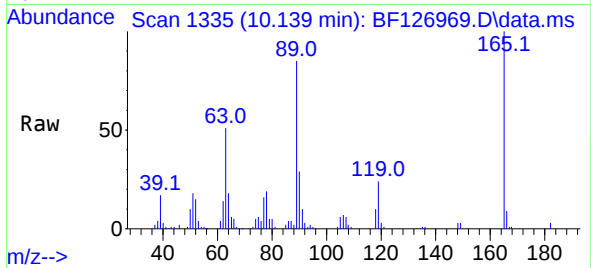
Tgt Ion:139 Resp: 20029
Ion Ratio Lower Upper
139 100
109 87.6 44.1 84.1#
65 118.0 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 8.142 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

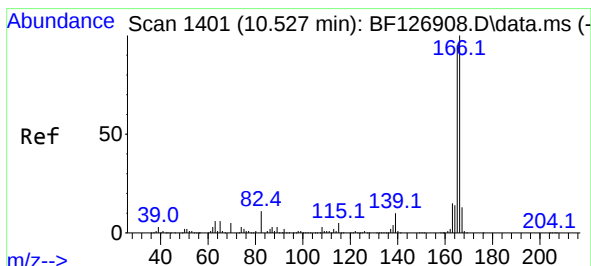
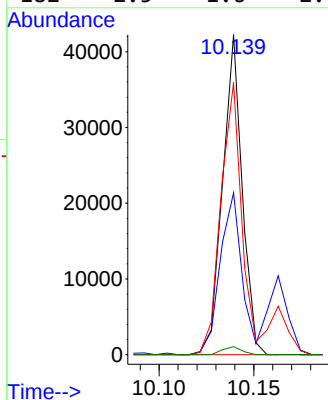
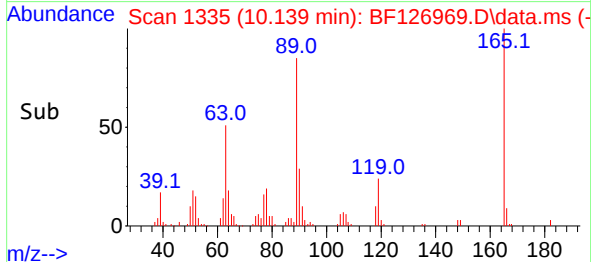
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



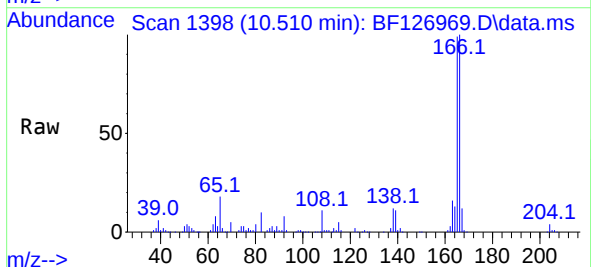
Tgt Ion:165 Resp: 3042
Ion Ratio Lower Upper
165 100
63 50.6 43.0 64.6
89 85.0 71.0 106.4
182 2.5 1.6 2.4#

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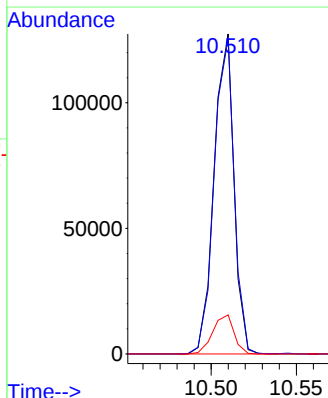
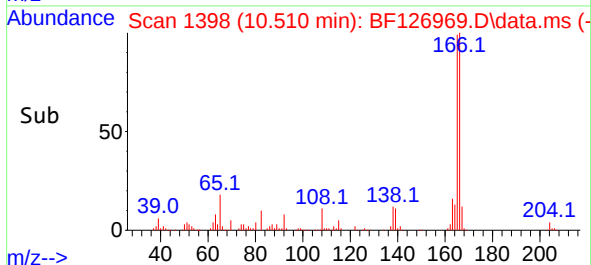
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

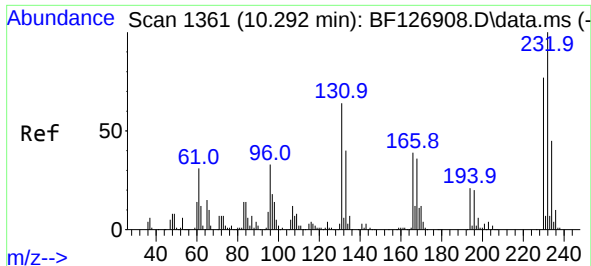


#58
Fluorene
Concen: 8.141 ng
RT: 10.510 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



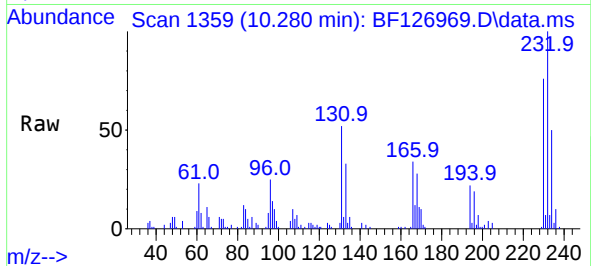
Tgt Ion:166 Resp: 102838
Ion Ratio Lower Upper
166 100
165 98.6 77.7 116.5
167 12.2 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.258 ng
RT: 10.280 min Scan# 1359
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

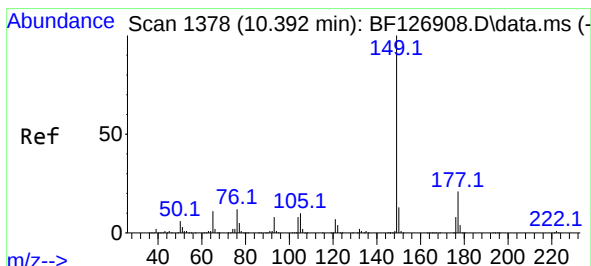
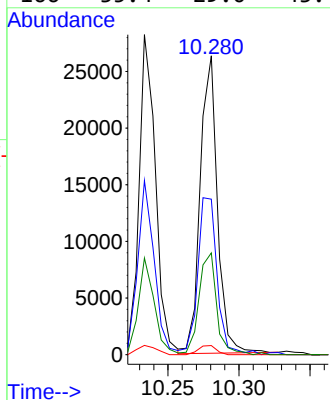
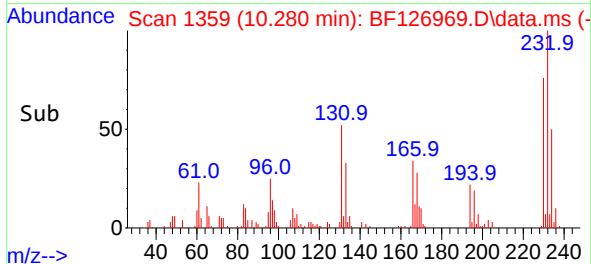
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



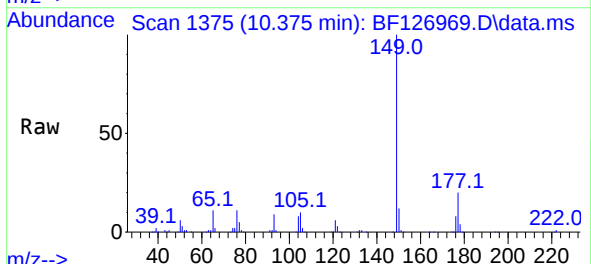
Tgt Ion:232 Resp: 2221
Ion Ratio Lower Upper
232 100
131 60.0 50.0 75.0
130 3.2 2.2 3.2
166 35.4 29.0 43.4

Manual Integrations
APPROVED

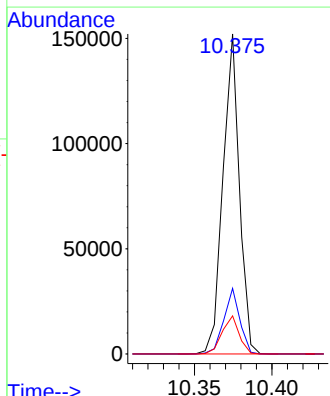
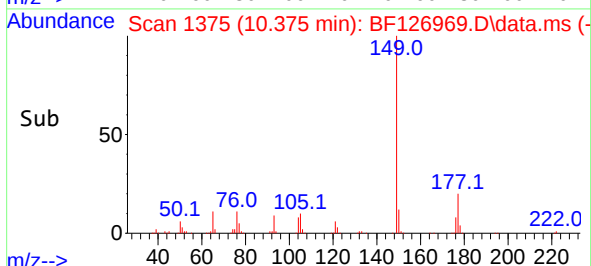
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

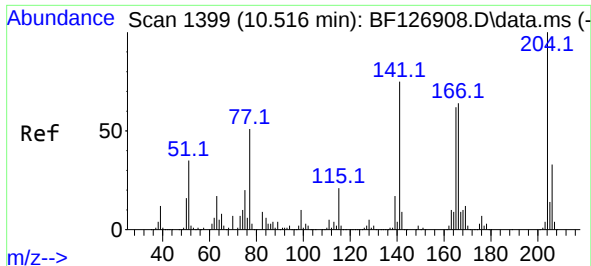


#60
Diethylphthalate
Concen: 7.896 ng
RT: 10.375 min Scan# 1375
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



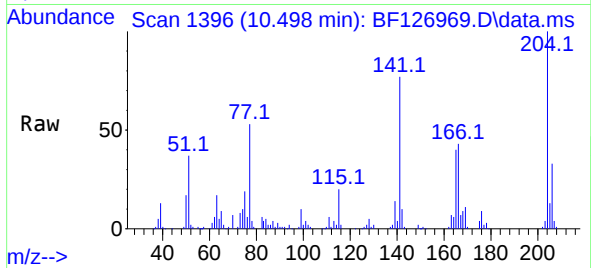
Tgt Ion:149 Resp: 112060
Ion Ratio Lower Upper
149 100
177 20.5 16.7 25.1
150 11.9 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 8.065 ng
RT: 10.498 min Scan# 1396
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

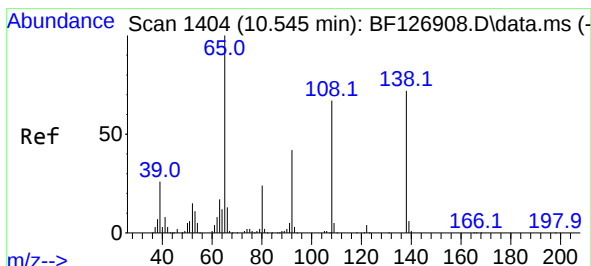
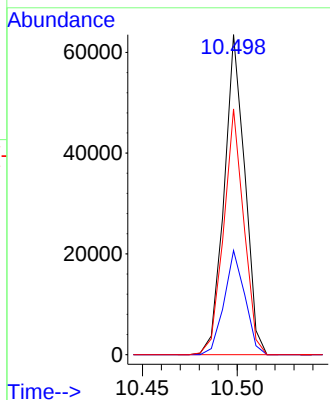
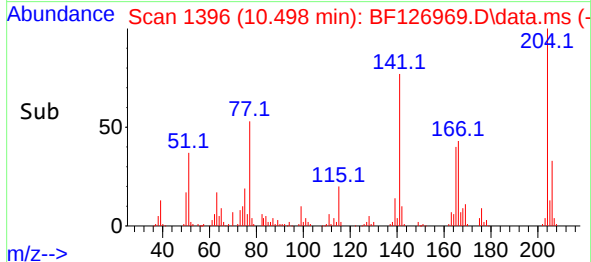
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



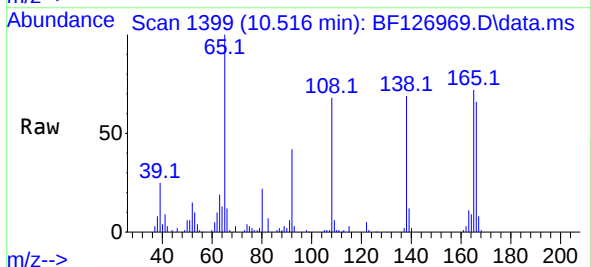
Tgt Ion:204 Resp: 48038
Ion Ratio Lower Upper
204 100
206 32.6 26.3 39.5
141 76.8 59.0 88.6

Manual Integrations
APPROVED

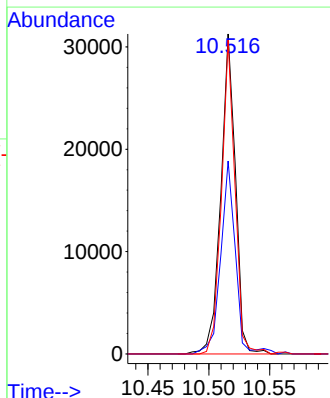
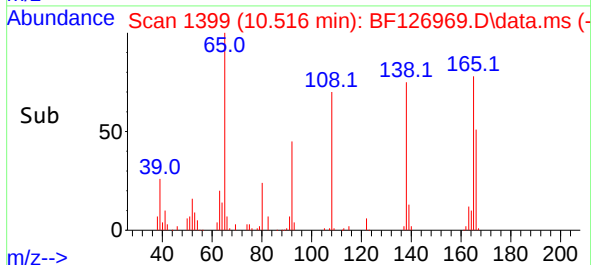
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

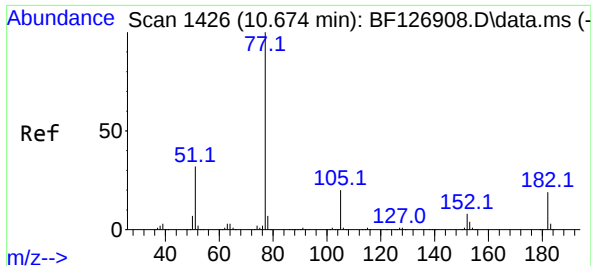


#62
4-Nitroaniline
Concen: 7.853 ng
RT: 10.516 min Scan# 1399
Delta R.T. -0.018 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



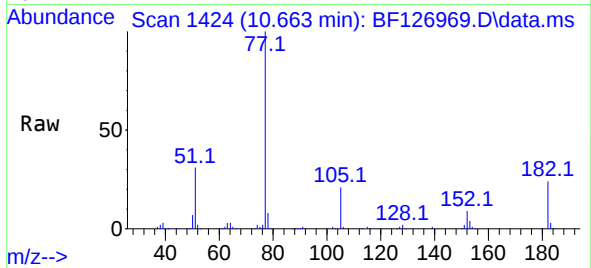
Tgt Ion:138 Resp: 26196
Ion Ratio Lower Upper
138 100
92 60.3 36.2 76.2
108 98.1 46.7 86.7#





#63
Azobenzene
Concen: 7.627 ng
RT: 10.663 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

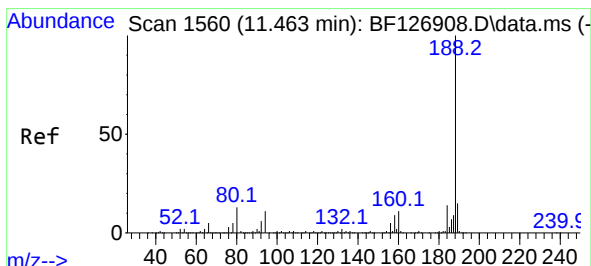
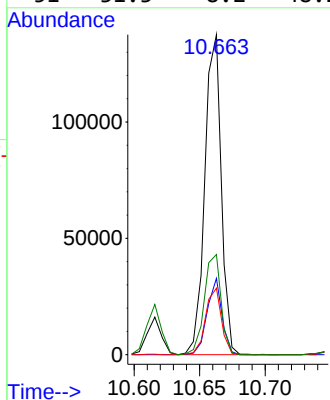
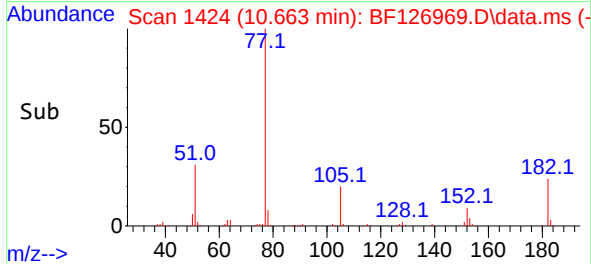
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



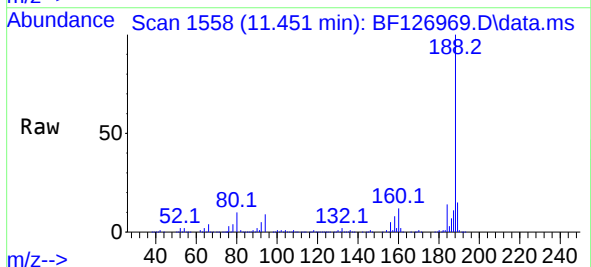
Tgt Ion: 77 Resp: 12053
Ion Ratio Lower Upper
77 100
182 23.9 0.0 39.0
105 20.8 3.2 43.2
51 31.3 8.2 48.2

Manual Integrations
APPROVED

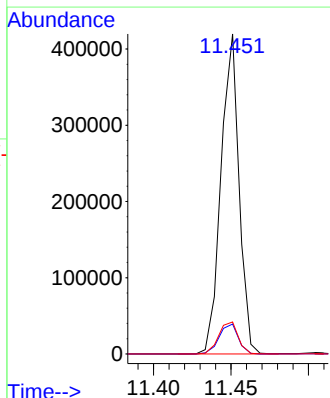
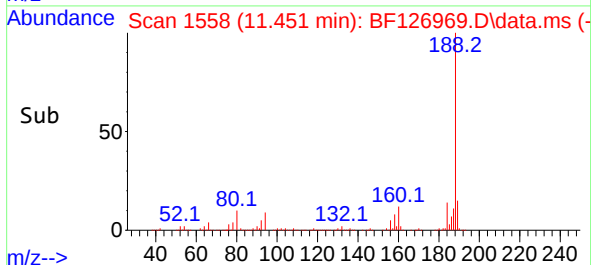
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

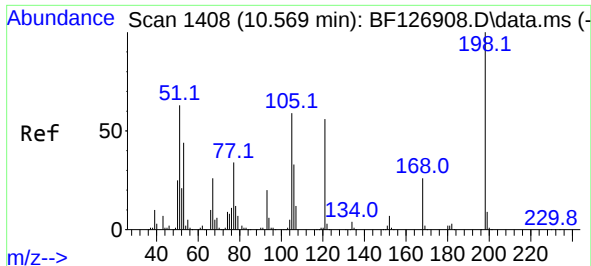


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



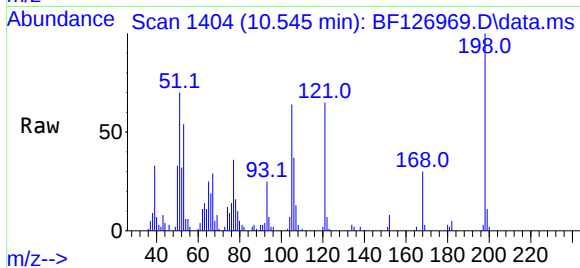
Tgt Ion:188 Resp: 339937
Ion Ratio Lower Upper
188 100
94 9.4 10.1 15.1#
80 10.0 11.8 17.6#





#65
4,6-Dinitro-2-methylphenol
Concen: 6.383 ng
RT: 10.545 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

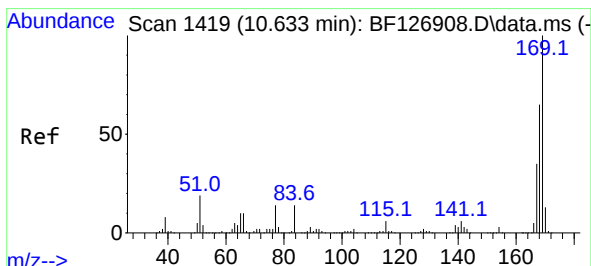
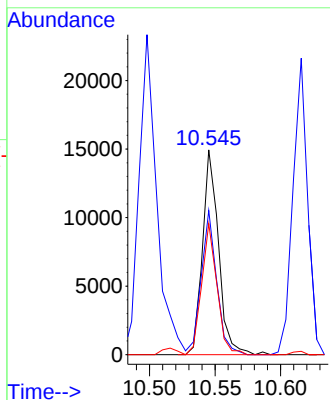
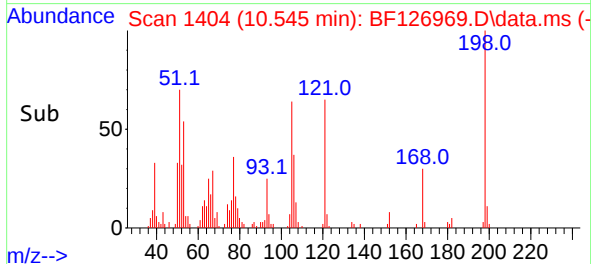
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



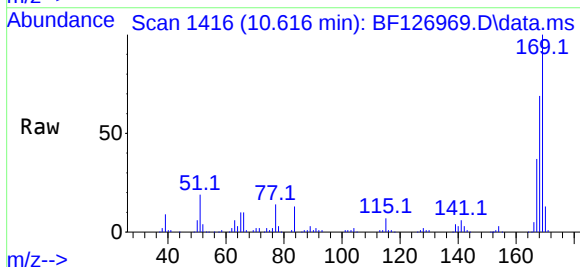
Tgt Ion:198 Resp: 12750
Ion Ratio Lower Upper
198 100
51 70.4 32.0 72.0
105 64.0 32.7 72.7

Manual Integrations
APPROVED

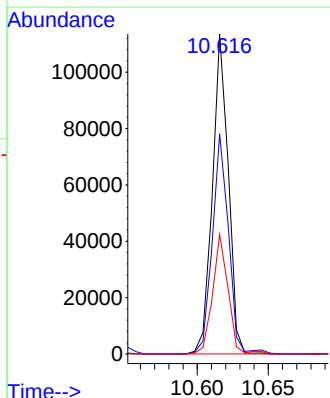
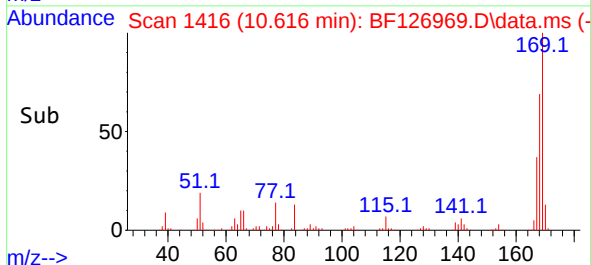
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

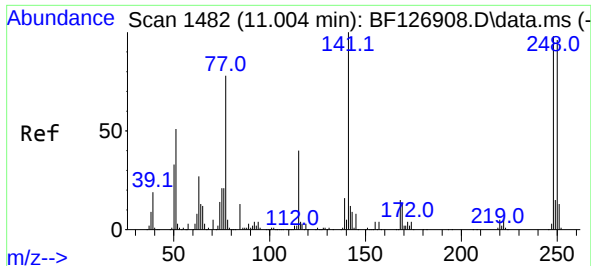


#66
n-Nitrosodiphenylamine
Concen: 7.921 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



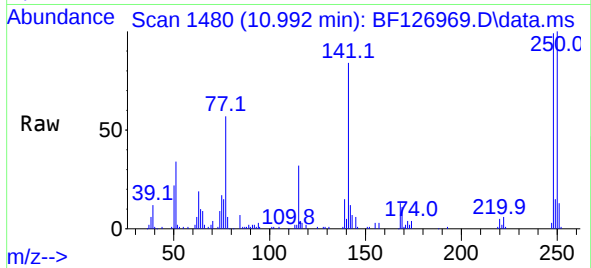
Tgt Ion:169 Resp: 88289
Ion Ratio Lower Upper
169 100
168 68.8 53.4 80.0
167 37.4 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 7.700 ng
RT: 10.992 min Scan# 1482
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

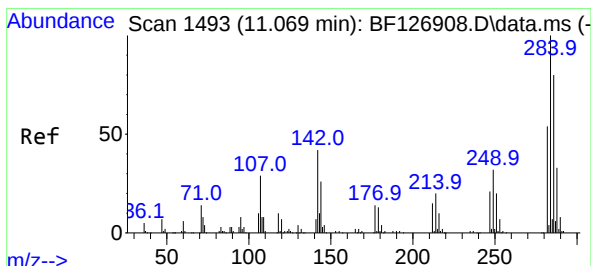
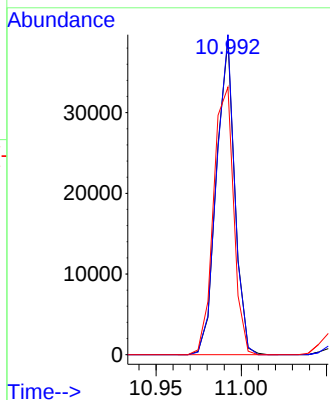
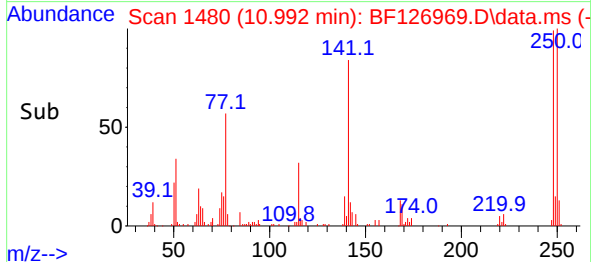
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



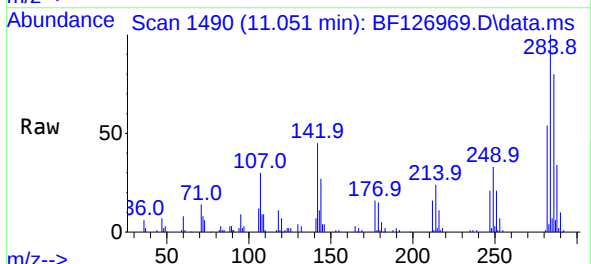
Tgt Ion:248 Resp: 29245
Ion Ratio Lower Upper
248 100
250 101.5 76.2 114.4
141 84.9 66.2 99.4

Manual Integrations
APPROVED

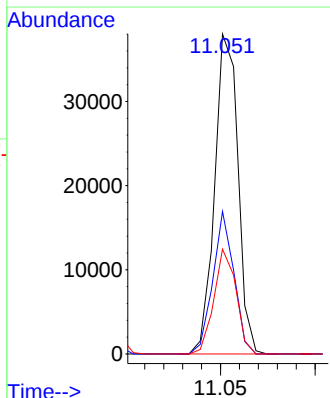
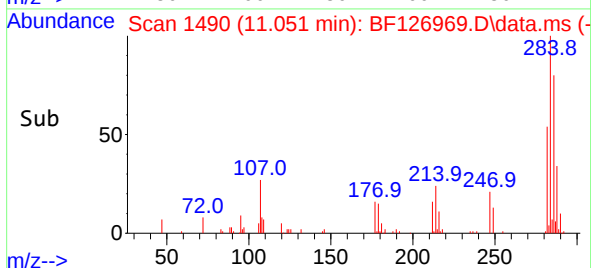
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

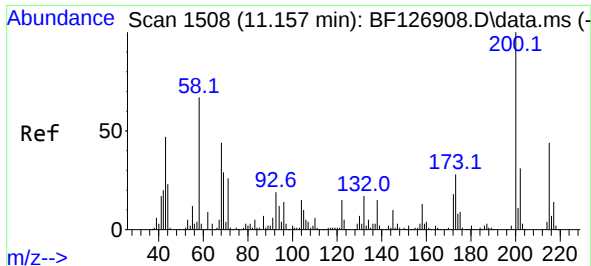


#68
Hexachlorobenzene
Concen: 7.946 ng
RT: 11.051 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



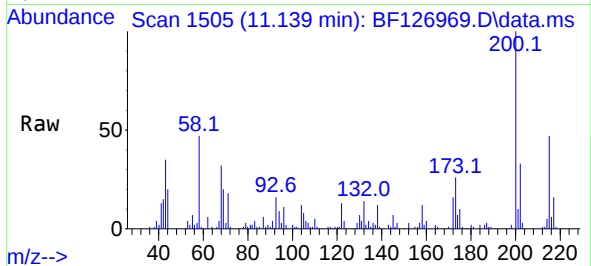
Tgt Ion:284 Resp: 32489
Ion Ratio Lower Upper
284 100
142 44.5 30.7 46.1
249 32.8 21.1 31.7#





#69
Atrazine
Concen: 8.417 ng
RT: 11.139 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

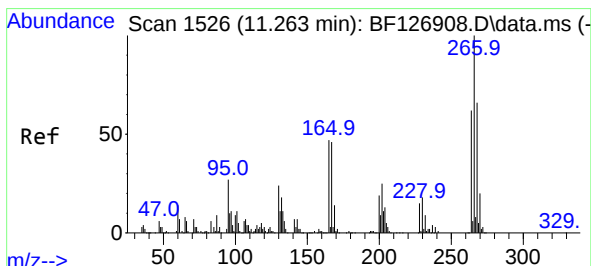
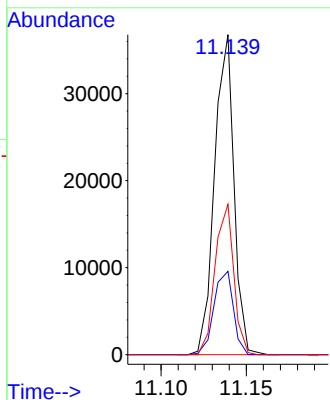
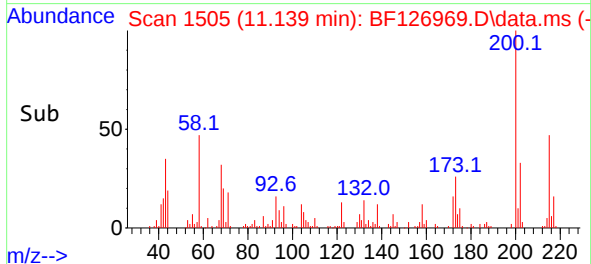
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



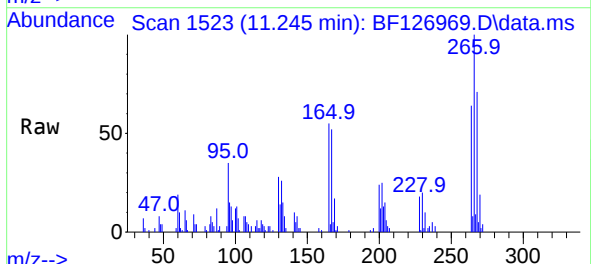
Tgt Ion:200 Resp: 29099
Ion Ratio Lower Upper
200 100
173 26.0 9.2 49.2
215 47.0 23.2 63.2

Manual Integrations
APPROVED

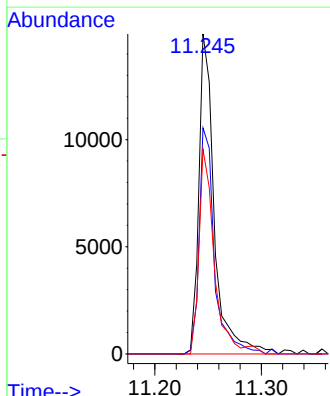
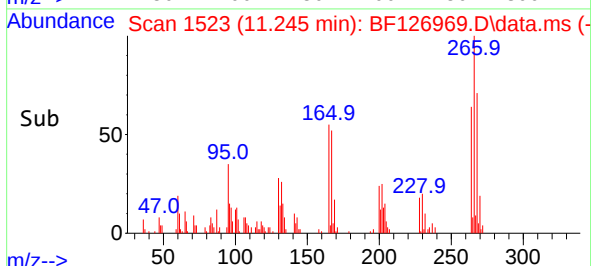
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

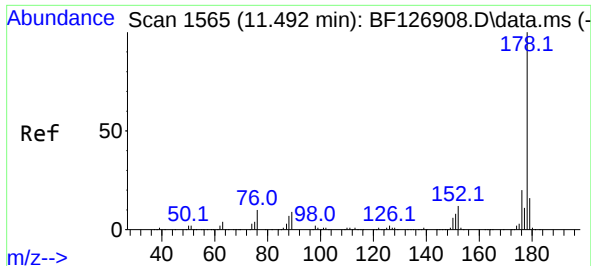


#70
Pentachlorophenol
Concen: 6.772 ng
RT: 11.245 min Scan# 1523
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



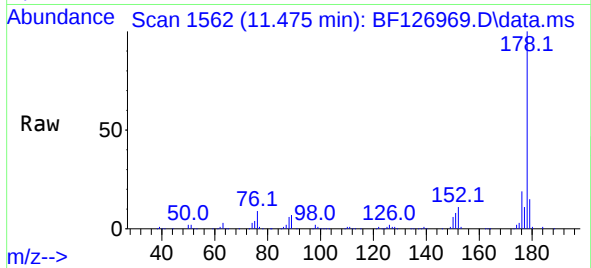
Tgt Ion:266 Resp: 15115
Ion Ratio Lower Upper
266 100
268 70.7 52.3 78.5
264 64.0 50.4 75.6





#71
Phenanthrene
Concen: 8.398 ng
RT: 11.475 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

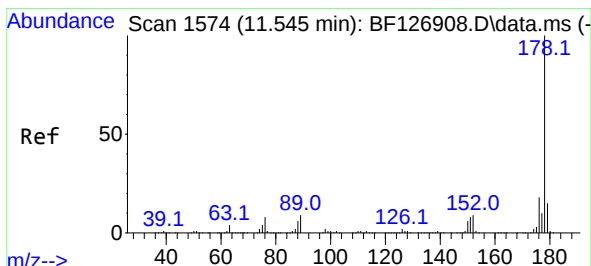
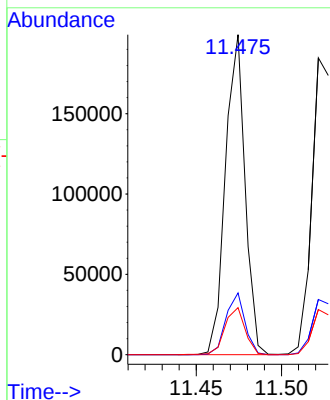
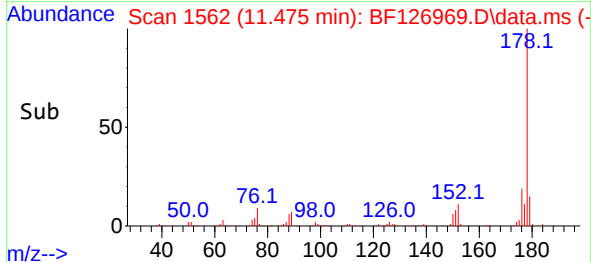
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



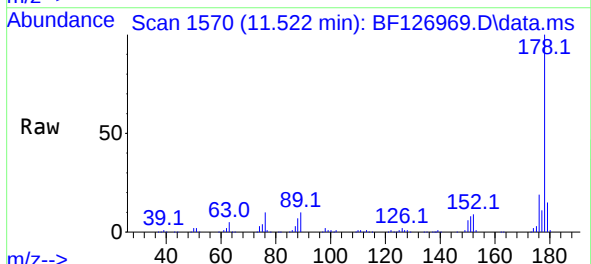
Tgt Ion:178 Resp: 159797
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 14.7 12.3 18.5

Manual Integrations
APPROVED

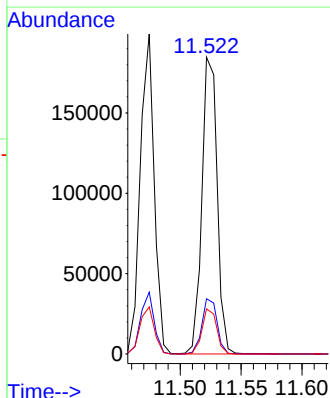
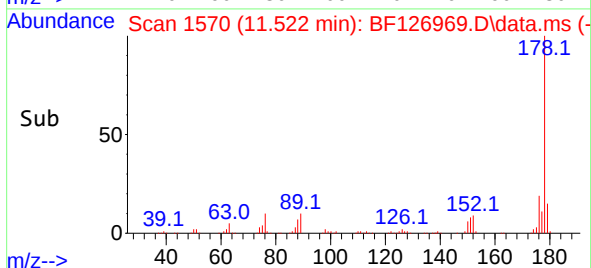
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

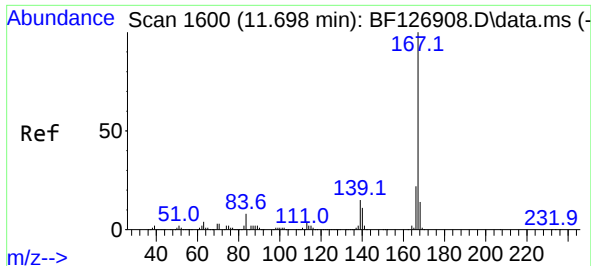


#72
Anthracene
Concen: 8.517 ng
RT: 11.522 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



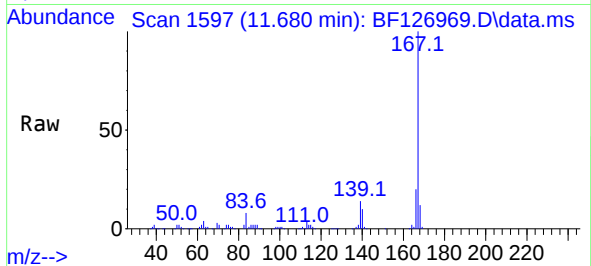
Tgt Ion:178 Resp: 161322
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.2 12.5 18.7





#73
 Carbazole
 Concen: 8.120 ng
 RT: 11.680 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06

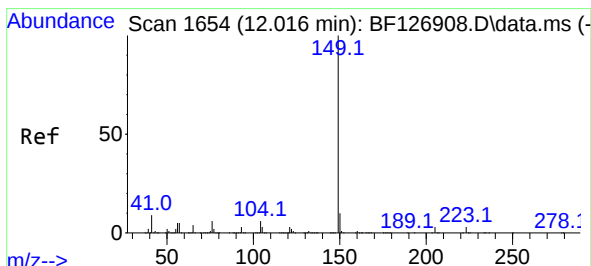
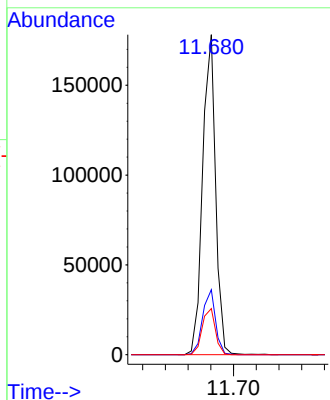
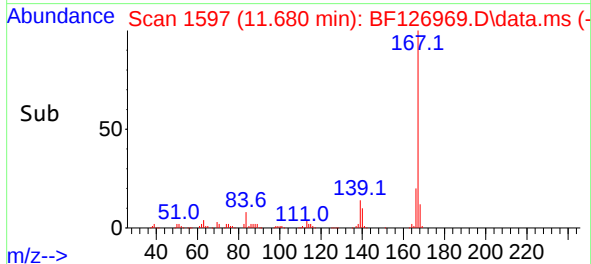
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021



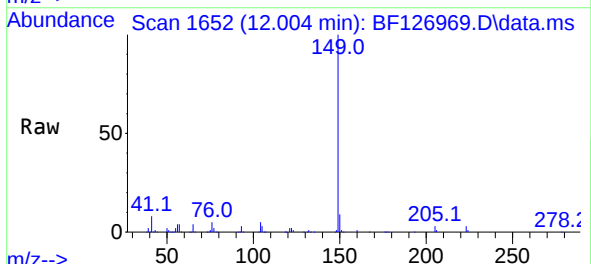
Tgt Ion:167 Resp: 141052
 Ion Ratio Lower Upper
 167 100
 166 20.3 16.9 25.3
 139 14.4 11.3 16.9

Manual Integrations
 APPROVED

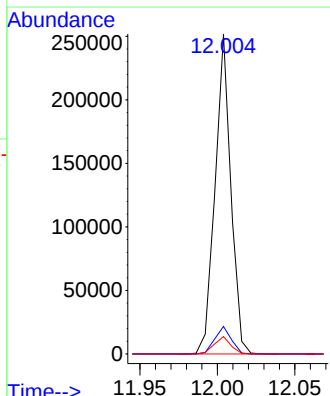
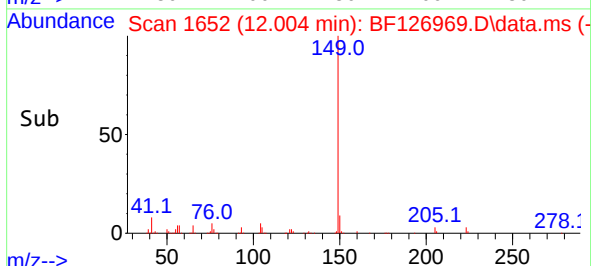
Reviewed By :Christian Giraldo 02/22/2022
 Supervised By :Jagrut Upadhyay 02/22/2022

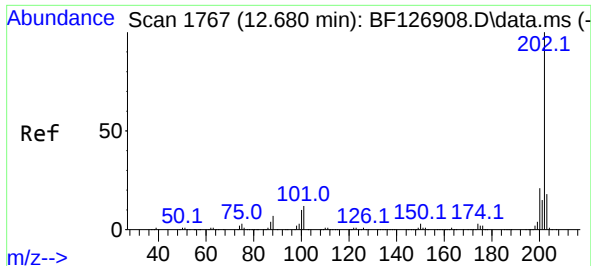


#74
 Di-n-butylphthalate
 Concen: 7.963 ng
 RT: 12.004 min Scan# 1652
 Delta R.T. 0.000 min
 Lab File: BF126969.D
 Acq: 21 Feb 2022 13:06



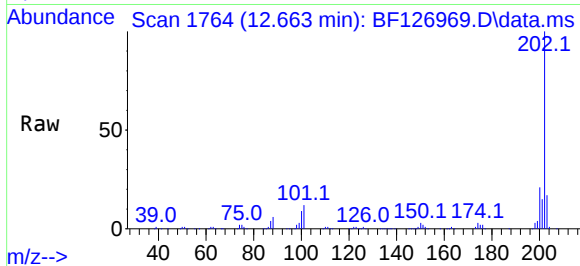
Tgt Ion:149 Resp: 177821
 Ion Ratio Lower Upper
 149 100
 150 8.6 7.2 10.8
 104 5.5 4.2 6.2





#75
Fluoranthene
Concen: 8.788 ng
RT: 12.663 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

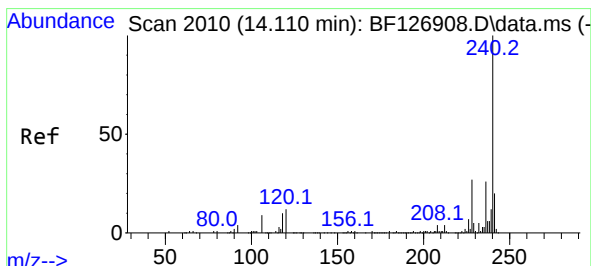
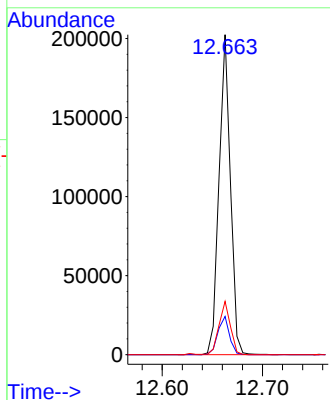
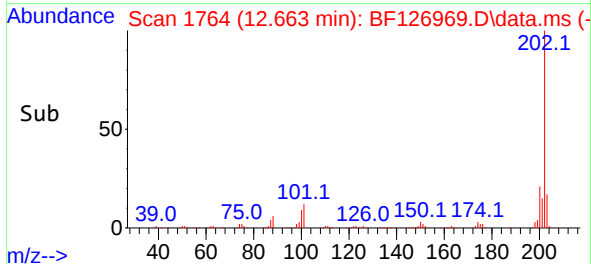
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



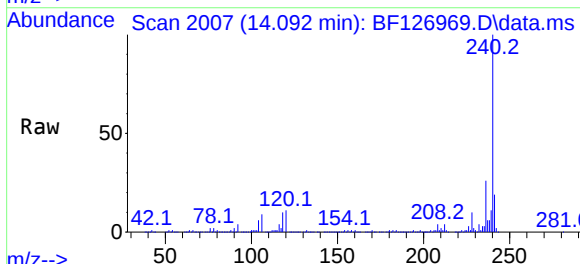
Tgt Ion:202 Resp: 15877
Ion Ratio Lower Upper
202 100
101 12.0 0.0 35.7
203 16.7 0.0 37.1

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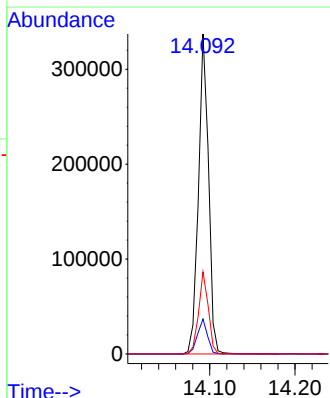
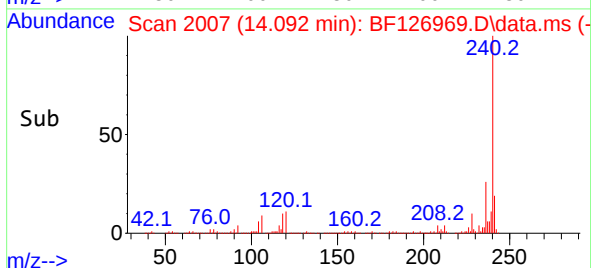
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

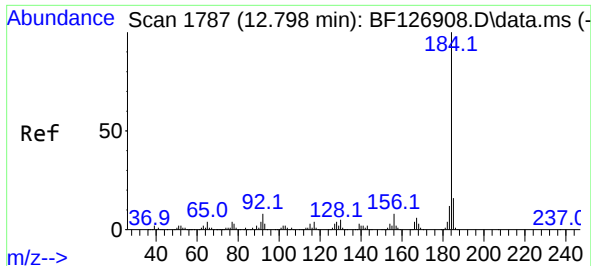


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



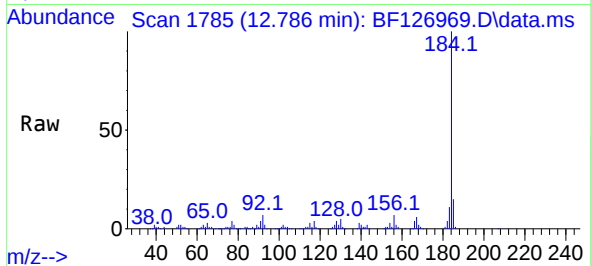
Tgt Ion:240 Resp: 277203
Ion Ratio Lower Upper
240 100
120 10.9 14.4 21.6#
236 25.7 20.5 30.7





#77
Benzidine
Concen: 11.424 ng
RT: 12.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

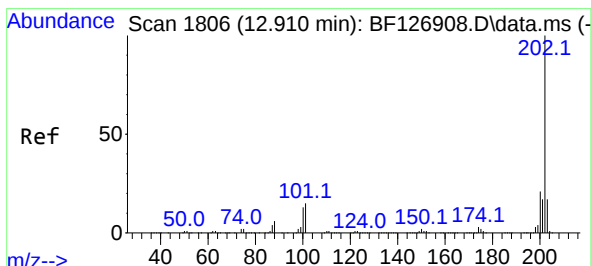
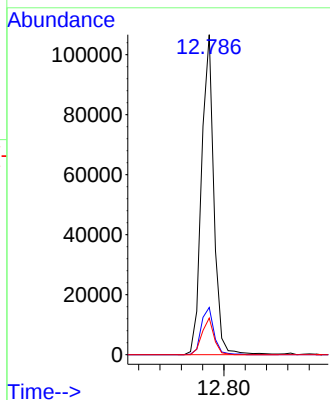
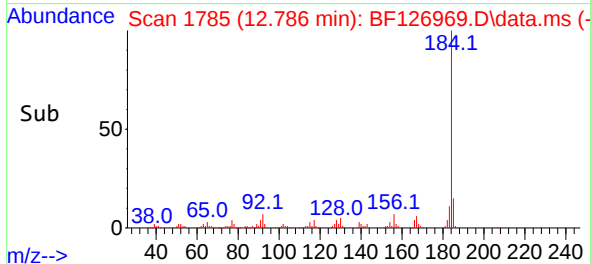
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:184 Resp: 8605
Ion Ratio Lower Upper
184 100
185 14.8 11.8 17.8
183 11.5 8.2 12.2

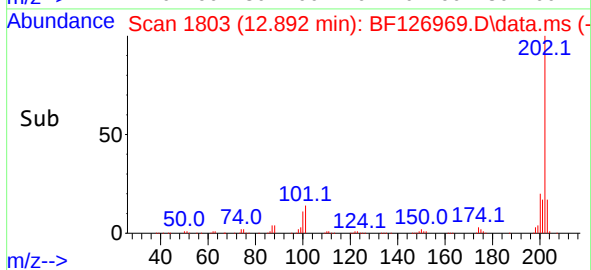
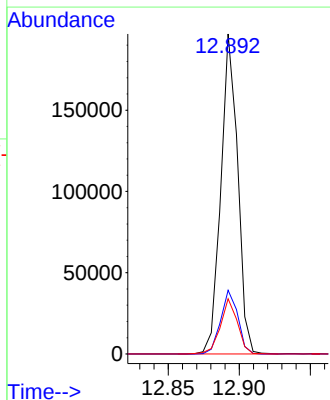
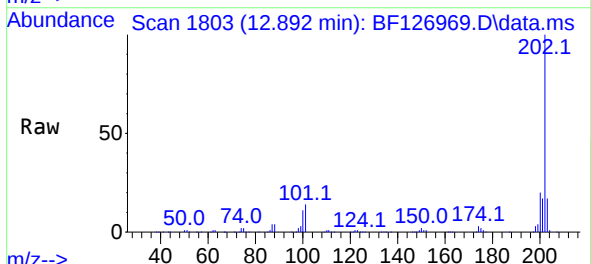
Manual Integrations
APPROVED

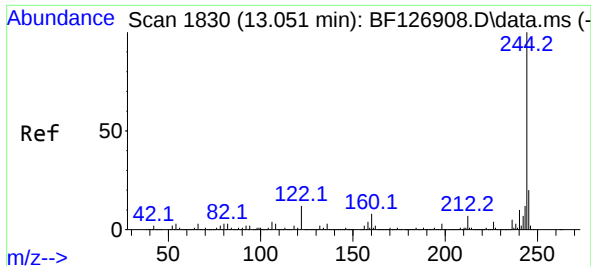
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#78
Pyrene
Concen: 6.730 ng
RT: 12.892 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

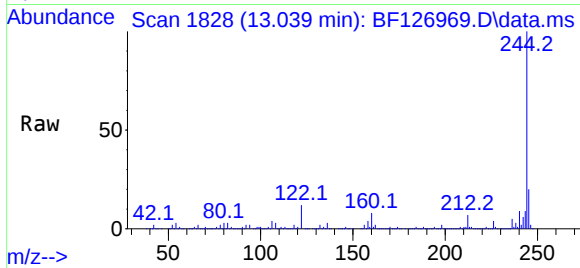
Tgt Ion:202 Resp: 162072
Ion Ratio Lower Upper
202 100
200 19.9 16.6 24.8
203 17.3 13.8 20.8





#79
Terphenyl-d14
Concen: 72.221 ng
RT: 13.039 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

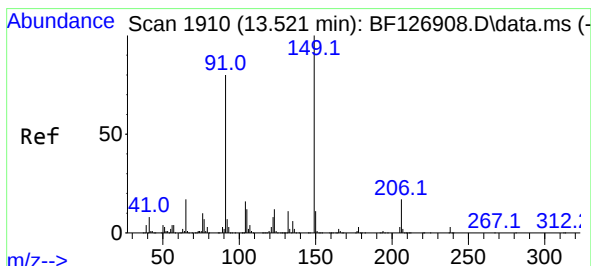
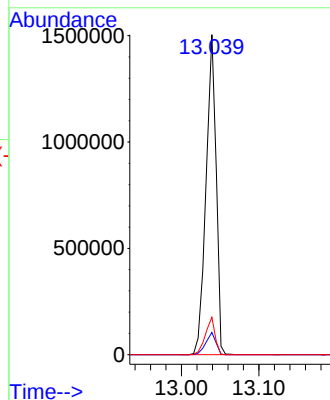
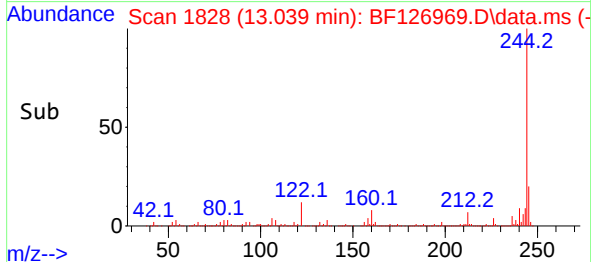
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:244 Resp: 136185
Ion Ratio Lower Upper
244 100
212 6.9 5.0 7.4
122 11.7 13.3 19.9

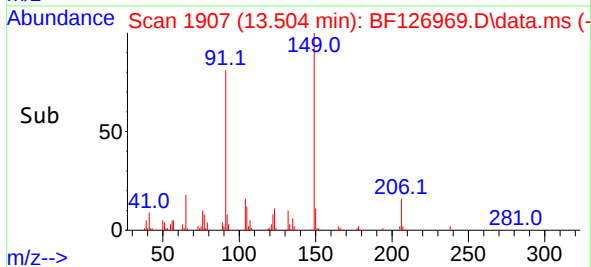
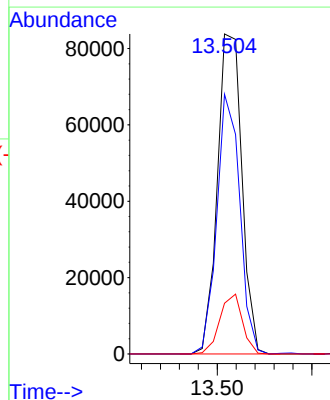
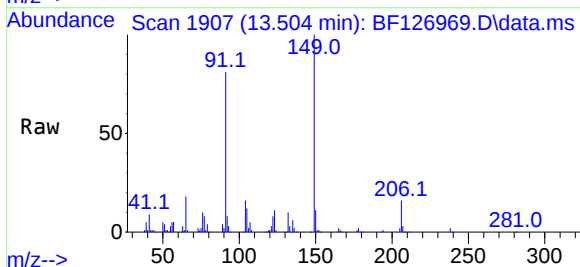
Manual Integrations
APPROVED

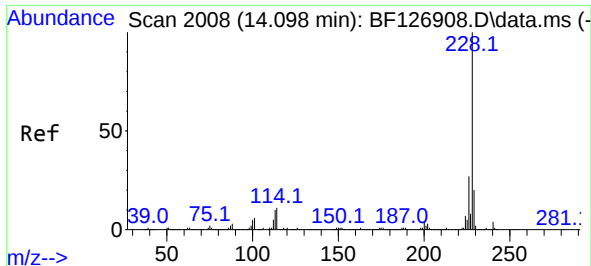
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#80
Butylbenzylphthalate
Concen: 6.626 ng
RT: 13.504 min Scan# 1907
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

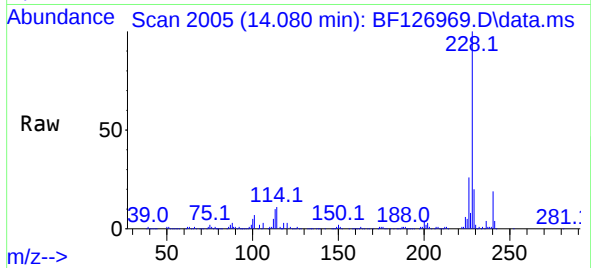
Tgt Ion:149 Resp: 75546
Ion Ratio Lower Upper
149 100
91 81.1 70.5 105.7
206 15.8 12.6 19.0





#81
Benzo(a)anthracene
Concen: 7.742 ng
RT: 14.080 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

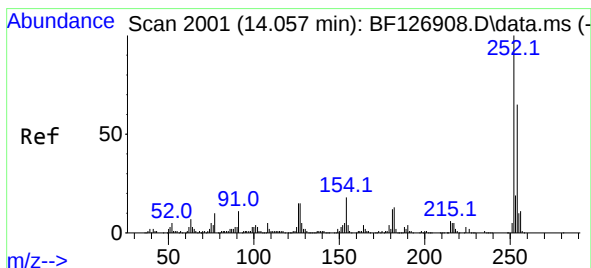
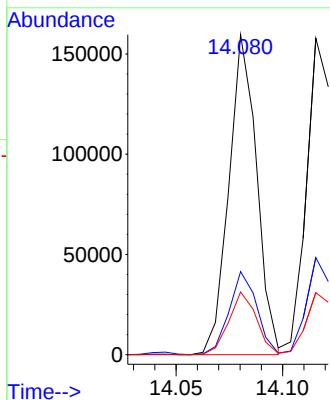
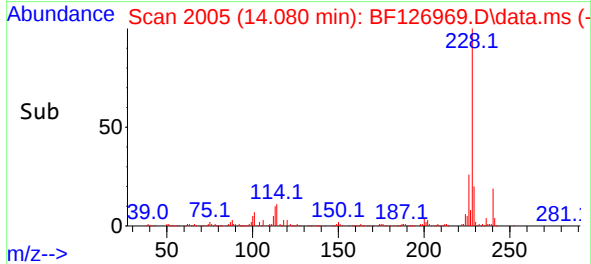
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2021



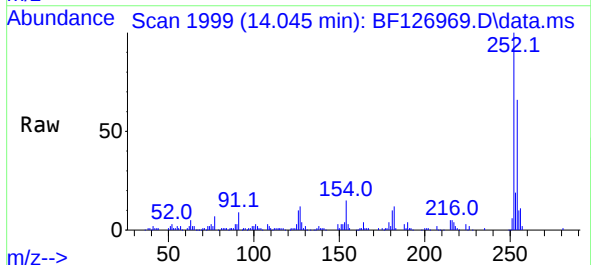
Tgt Ion:228 Resp: 144679
Ion Ratio Lower Upper
228 100
226 26.0 21.4 32.0
229 19.6 15.4 23.2

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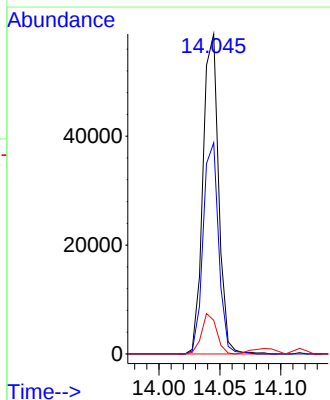
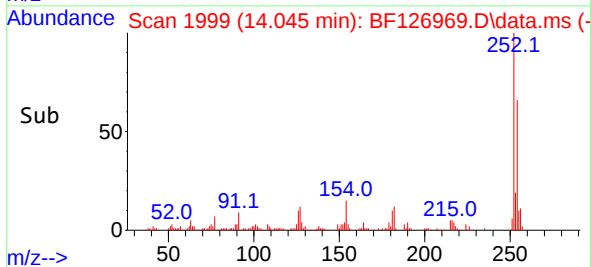
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

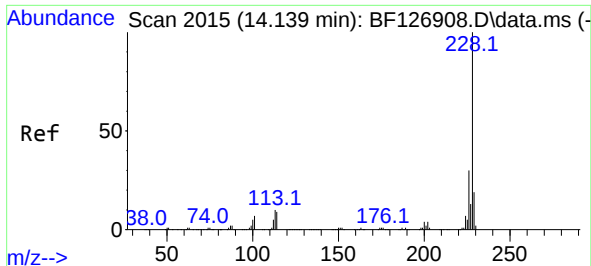


#82
3,3'-Dichlorobenzidine
Concen: 8.942 ng
RT: 14.045 min Scan# 1999
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



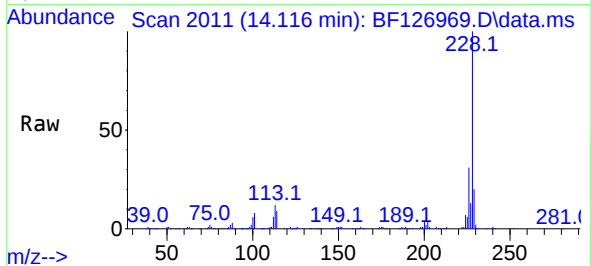
Tgt Ion:252 Resp: 52663
Ion Ratio Lower Upper
252 100
254 66.0 51.0 76.4
126 10.5 13.4 20.0#





#83
Chrysene
Concen: 7.958 ng
RT: 14.116 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

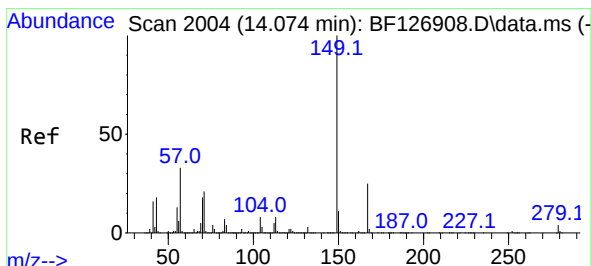
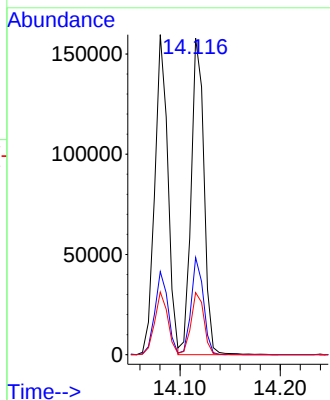
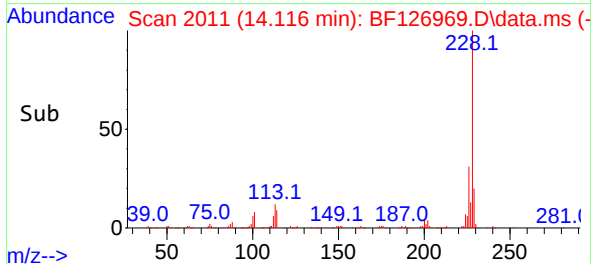
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2021



Tgt Ion:228 Resp: 139858
Ion Ratio Lower Upper
228 100
226 30.7 23.7 35.5
229 19.6 15.5 23.3

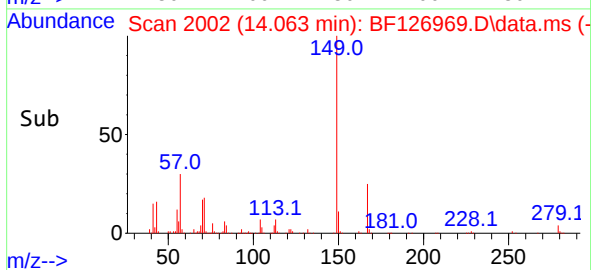
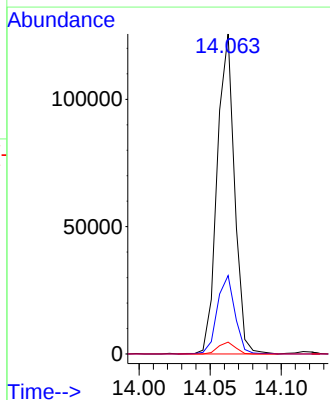
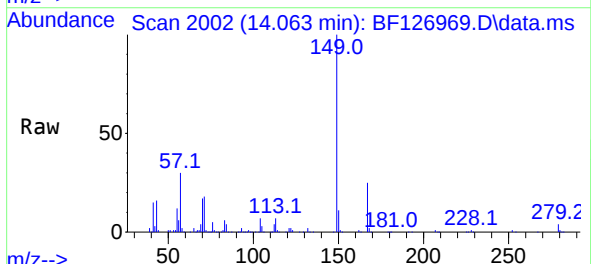
Manual Integrations
APPROVED

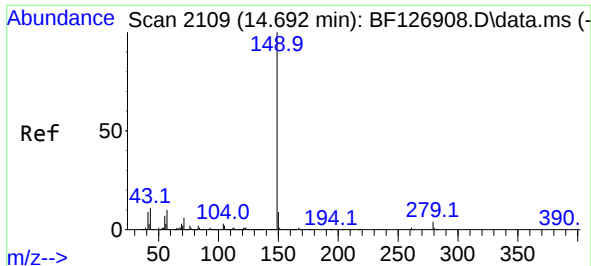
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.132 ng
RT: 14.063 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

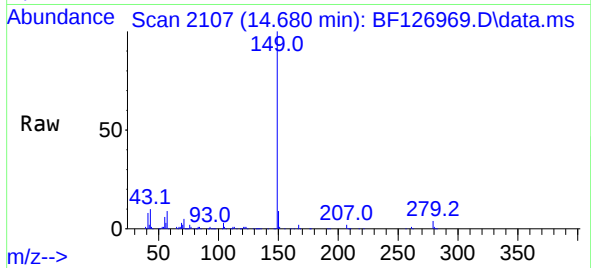
Tgt Ion:149 Resp: 106752
Ion Ratio Lower Upper
149 100
167 24.5 21.4 32.2
279 3.7 2.4 3.6





#85
Di-n-octyl phthalate
Concen: 8.033 ng
RT: 14.680 min Scan# 2109
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

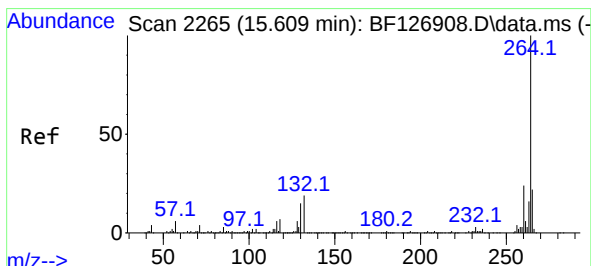
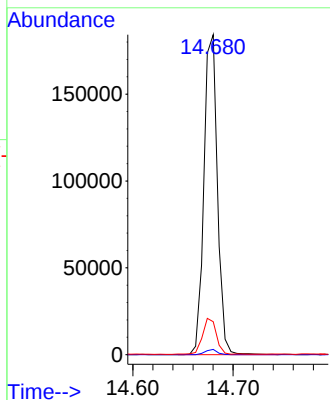
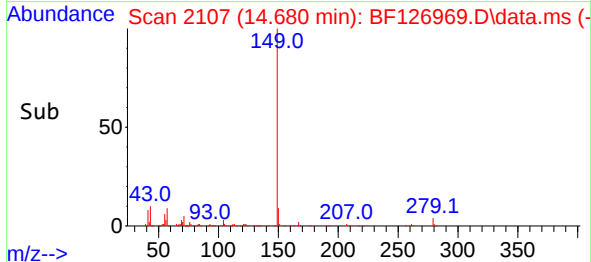
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



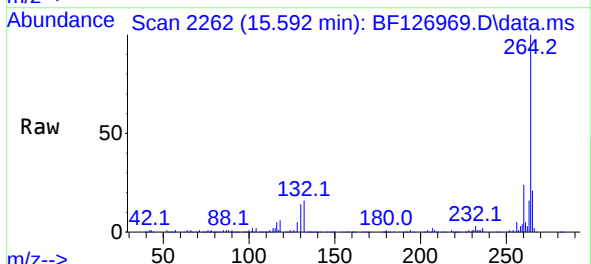
Tgt Ion:149 Resp: 173114
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 11.5 9.9 14.9

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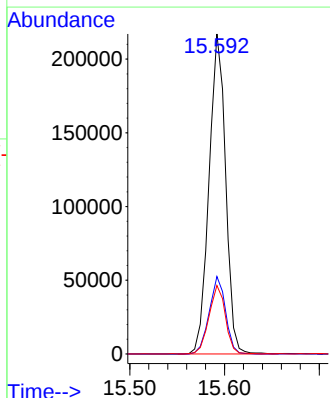
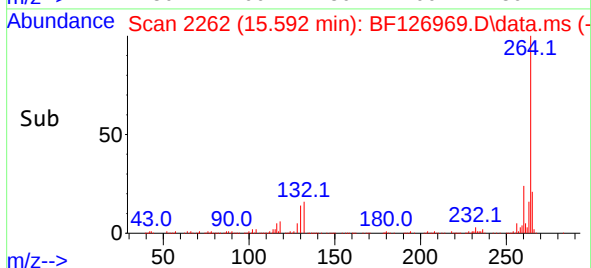
Reviewed By :Christian Giraldo 02/22/2022
Supervised By :Jagrut Upadhyay 02/22/2022

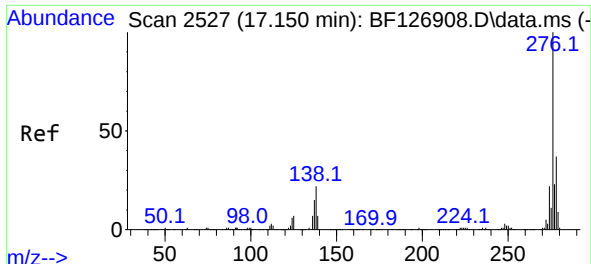


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



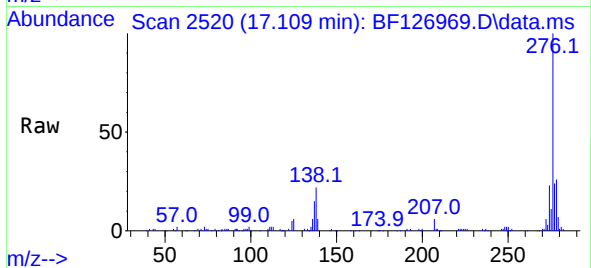
Tgt Ion:264 Resp: 263844
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.4 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.244 ng
RT: 17.109 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

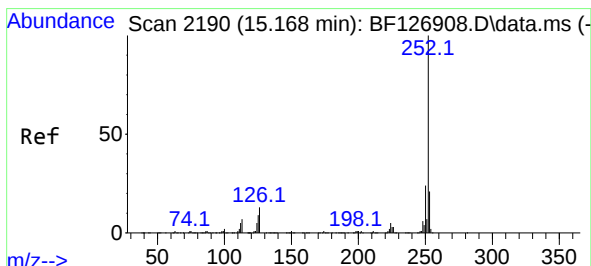
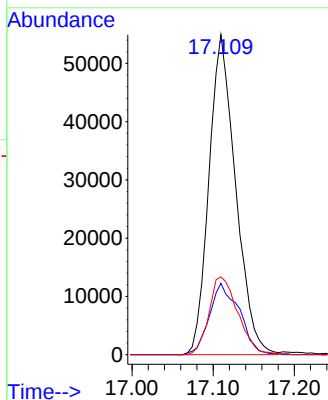
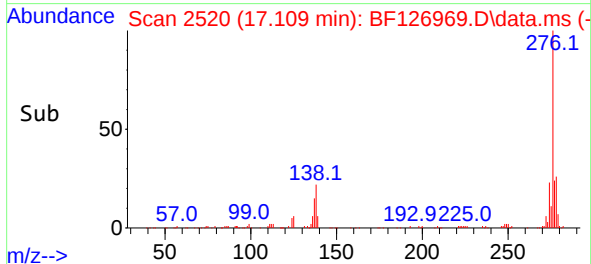
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2021



Tgt Ion: 276 Resp: 125317
Ion Ratio Lower Upper
276 100
138 25.1 29.2 43.8
277 26.4 19.8 29.8

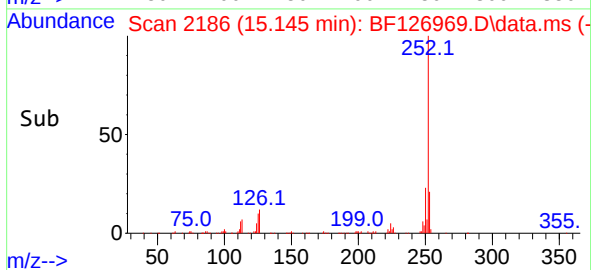
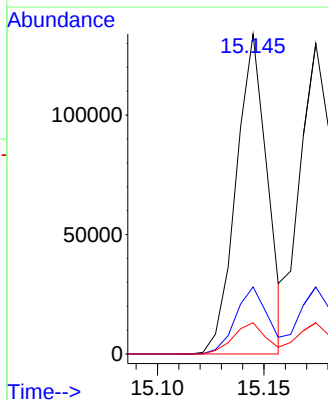
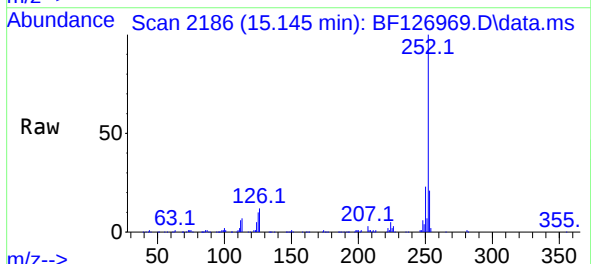
Manual Integrations
APPROVED

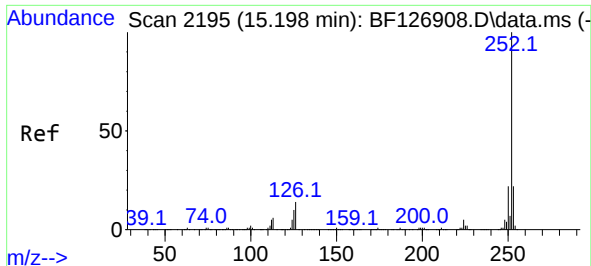
Reviewed By : Christian Giraldo 02/22/2022
Supervised By : Jagrut Upadhyay 02/22/2022



#88
Benzo(b)fluoranthene
Concen: 7.697 ng
RT: 15.145 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

Tgt Ion: 252 Resp: 136403
Ion Ratio Lower Upper
252 100
253 21.0 17.8 26.8
125 9.7 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 8.130 ng

RT: 15.174 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

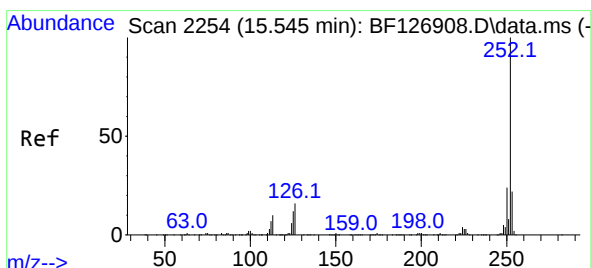
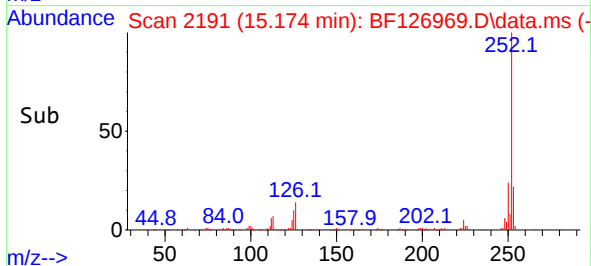
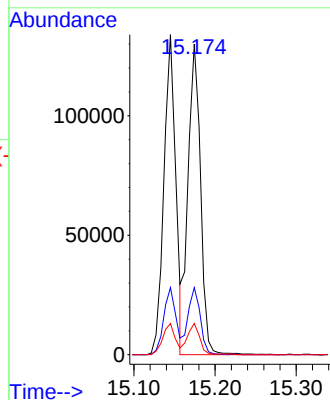
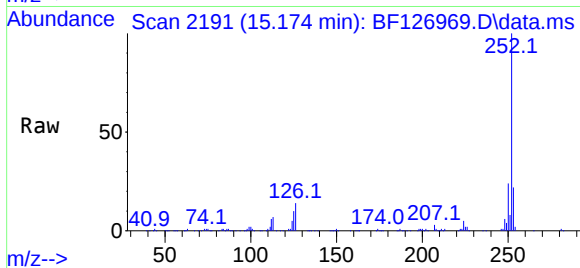
Tgt Ion:252 Resp: 13895
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.5 26.3
 125 10.1 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/22/2022

Supervised By :Jagrut Upadhyay 02/22/2022



#90

Benzo(a)pyrene

Concen: 9.366 ng

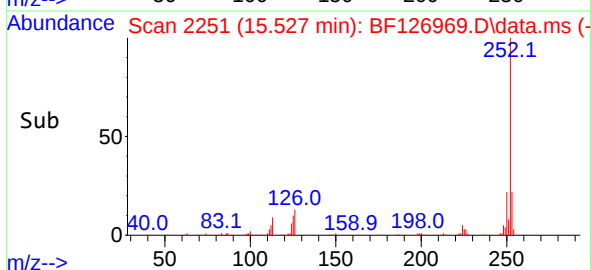
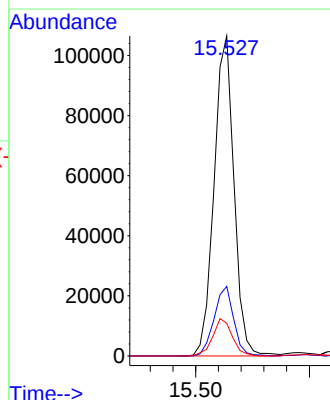
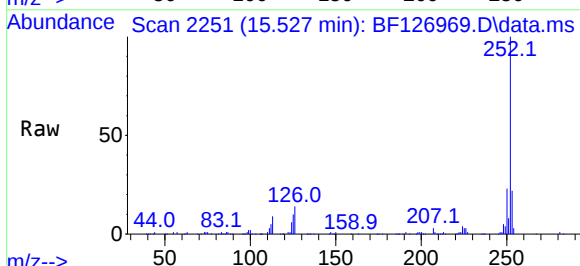
RT: 15.527 min Scan# 2251

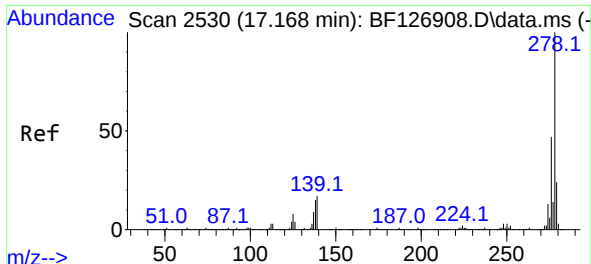
Delta R.T. 0.000 min

Lab File: BF126969.D

Acq: 21 Feb 2022 13:06

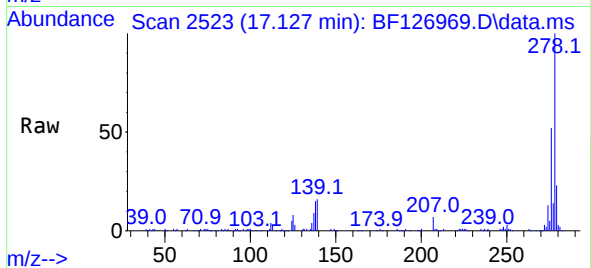
Tgt Ion:252 Resp: 129636
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.1 25.7
 125 10.2 13.0 19.6





#91
Dibenzo(a,h)anthracene
Concen: 7.621 ng
RT: 17.127 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06

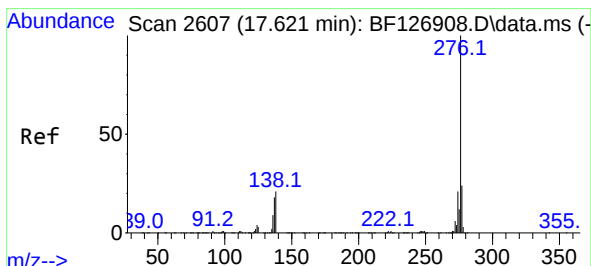
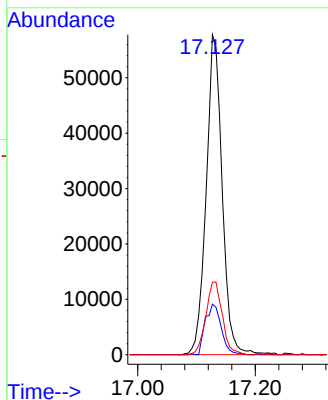
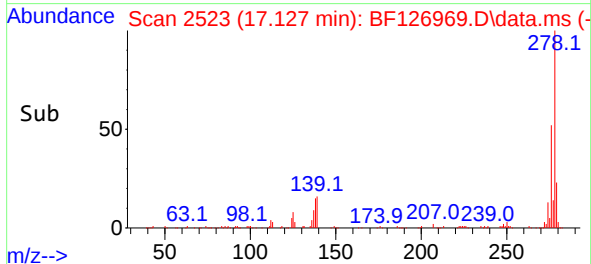
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



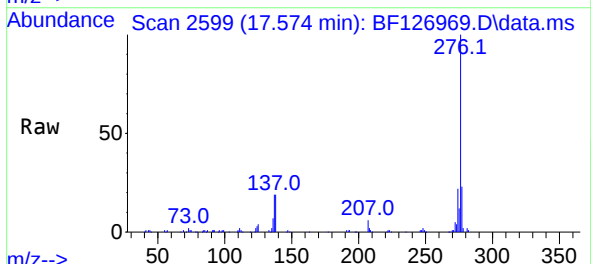
Tgt Ion:278 Resp: 10904
Ion Ratio Lower Upper
278 100
139 15.8 18.0 27.0
279 22.7 18.6 27.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 7.433 ng
RT: 17.574 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF126969.D
Acq: 21 Feb 2022 13:06



Tgt Ion:276 Resp: 104854
Ion Ratio Lower Upper
276 100
277 22.8 18.5 27.7
138 18.6 25.9 38.9

