

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021822\
 Data File : BF126956.D
 Acq On : 18 Feb 2022 17:08
 Operator : CG\JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Feb 18 23:52:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 14:55:48 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/21/2022
 Supervised By : Jagrut Upadhyay 02/21/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	103673	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	407027	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	211436	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	388359	20.000	ng	0.00
76) Chrysene-d12	14.104	240	265955	20.000	ng	# 0.00
86) Perylene-d12	15.610	264	206530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	936706	139.646	ng	0.00
7) Phenol-d6	6.557	99	1282702	141.718	ng	0.00
23) Nitrobenzene-d5	7.498	82	722482	80.120	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	379872	156.043	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1179555	82.128	ng	0.00
79) Terphenyl-d14	13.051	244	1405101	77.666	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.752	88	11306	3.683	ng	# 97
3) Pyridine	3.599	79	25253	3.137	ng	# 85
4) n-Nitrosodimethylamine	3.475	42	13773	3.492	ng	# 71
6) Aniline	6.598	93	43533	4.059	ng	98
8) 2-Chlorophenol	6.716	128	26895	3.737	ng	96
9) Benzaldehyde	6.487	77	26692	4.845	ng	95
10) Phenol	6.569	94	35167	3.845	ng	87
11) bis(2-Chloroethyl)ether	6.663	93	27887	3.888	ng	95
12) 1,3-Dichlorobenzene	6.869	146	29481	3.797	ng	97
13) 1,4-Dichlorobenzene	6.945	146	29960	3.806	ng	97
14) 1,2-Dichlorobenzene	7.098	146	27925	3.720	ng	97
15) Benzyl Alcohol	7.063	79	37083m	4.863	ng	
16) 2,2'-oxybis(1-Chloropr...	7.198	45	39917	3.534	ng	96
17) 2-Methylphenol	7.169	107	23718	3.809	ng	93
18) Hexachloroethane	7.440	117	11635	3.857	ng	96
19) n-Nitroso-di-n-propyla...	7.328	70	21654	3.713	ng	92
20) 3+4-Methylphenols	7.322	107	30458	3.767	ng	# 75
22) Acetophenone	7.334	105	43385	4.048	ng	94
24) Nitrobenzene	7.510	77	35703	4.191	ng	97
25) Isophorone	7.740	82	60117	4.029	ng	97
26) 2-Nitrophenol	7.822	139	13652	3.764	ng	# 83
27) 2,4-Dimethylphenol	7.851	122	25245	4.237	ng	90
28) bis(2-Chloroethoxy)met...	7.951	93	34209	3.782	ng	97
29) 2,4-Dichlorophenol	8.063	162	19579	3.495	ng	96
30) 1,2,4-Trichlorobenzene	8.151	180	24071	3.843	ng	97
31) Naphthalene	8.234	128	83645	3.937	ng	98
32) Benzoic acid	7.922	122	10033m	2.374	ng	
33) 4-Chloroaniline	8.281	127	33880	4.051	ng	96
34) Hexachlorobutadiene	8.345	225	13350	3.651	ng	97
35) Caprolactam	8.610	113	6899	3.527	ng	92
36) 4-Chloro-3-methylphenol	8.751	107	26469	3.697	ng	99
37) 2-Methylnaphthalene	8.922	142	54616	3.961	ng	98
38) 1-Methylnaphthalene	9.022	142	52194	3.953	ng	97
40) 1,2,4,5-Tetrachloroben...	9.086	216	22367	4.019	ng	98
41) Hexachlorocyclopentadiene	9.075	237	8921	2.955	ng	97
43) 2,4,6-Trichlorophenol	9.198	196	14520	3.557	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.239	196	15317	3.566	ng	96
46) 1,1'-Biphenyl	9.386	154	67701	4.041	ng	94
47) 2-Chloronaphthalene	9.416	162	48384	3.895	ng	97
48) 2-Nitroaniline	9.504	65	17191	3.507	ng	95
49) Acenaphthylene	9.828	152	82941	4.110	ng	99
50) Dimethylphthalate	9.681	163	57744	3.821	ng	# 98
51) 2,6-Dinitrotoluene	9.745	165	11594	3.771	ng	92
52) Acenaphthene	9.998	154	49345	3.760	ng	96
53) 3-Nitroaniline	9.916	138	13690	3.642	ng	94
54) 2,4-Dinitrophenol	10.022	184	2236	1.374	ng	90
55) Dibenzofuran	10.175	168	71180	3.945	ng	98
56) 4-Nitrophenol	10.069	139	8383m	3.020	ng	
57) 2,4-Dinitrotoluene	10.145	165	15619	3.757	ng	# 92
58) Fluorene	10.516	166	56015	3.985	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	12124	3.560	ng	96
60) Diethylphthalate	10.381	149	61815	3.914	ng	98
61) 4-Chlorophenyl-phenyle...	10.510	204	25887	3.906	ng	98
62) 4-Nitroaniline	10.522	138	12826	3.456	ng	# 81
63) Azobenzene	10.669	77	65057	3.700	ng	94
65) 4,6-Dinitro-2-methylph...	10.557	198	4790	2.099	ng	84
66) n-Nitrosodiphenylamine	10.628	169	47221	3.708	ng	95
67) 4-Bromophenyl-phenylether	10.998	248	15845	3.652	ng	# 85
68) Hexachlorobenzene	11.063	284	18415	3.942	ng	93
69) Atrazine	11.145	200	16232	4.110	ng	96
70) Pentachlorophenol	11.263	266	6093	2.389	ng	97
71) Phenanthrene	11.480	178	84711	3.897	ng	98
72) Anthracene	11.533	178	86451	3.995	ng	98
73) Carbazole	11.686	167	73354	3.696	ng	97
74) Di-n-butylphthalate	12.010	149	97731	3.831	ng	98
75) Fluoranthene	12.675	202	82358	3.990	ng	96
77) Benzidine	12.798	184	31784	4.398	ng	# 95
78) Pyrene	12.904	202	83226	3.602	ng	99
80) Butylbenzylphthalate	13.516	149	39062	3.571	ng	92
81) Benzo(a)anthracene	14.092	228	66850	3.728	ng	98
82) 3,3'-Dichlorobenzidine	14.057	252	20160	3.568	ng	# 96
83) Chrysene	14.127	228	64070	3.800	ng	97
84) Bis(2-ethylhexyl)phtha...	14.069	149	55513	3.866	ng	99
85) Di-n-octyl phthalate	14.686	149	81625	3.948	ng	98
87) Indeno(1,2,3-cd)pyrene	17.133	276	40325	2.978	ng	# 87
88) Benzo(b)fluoranthene	15.157	252	56153	4.048	ng	# 95
89) Benzo(k)fluoranthene	15.186	252	52346	3.912	ng	# 97
90) Benzo(a)pyrene	15.539	252	47237	4.360	ng	# 92
91) Dibenzo(a,h)anthracene	17.157	278	34570	3.087	ng	# 87
92) Benzo(g,h,i)perylene	17.598	276	34579	3.132	ng	# 84

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

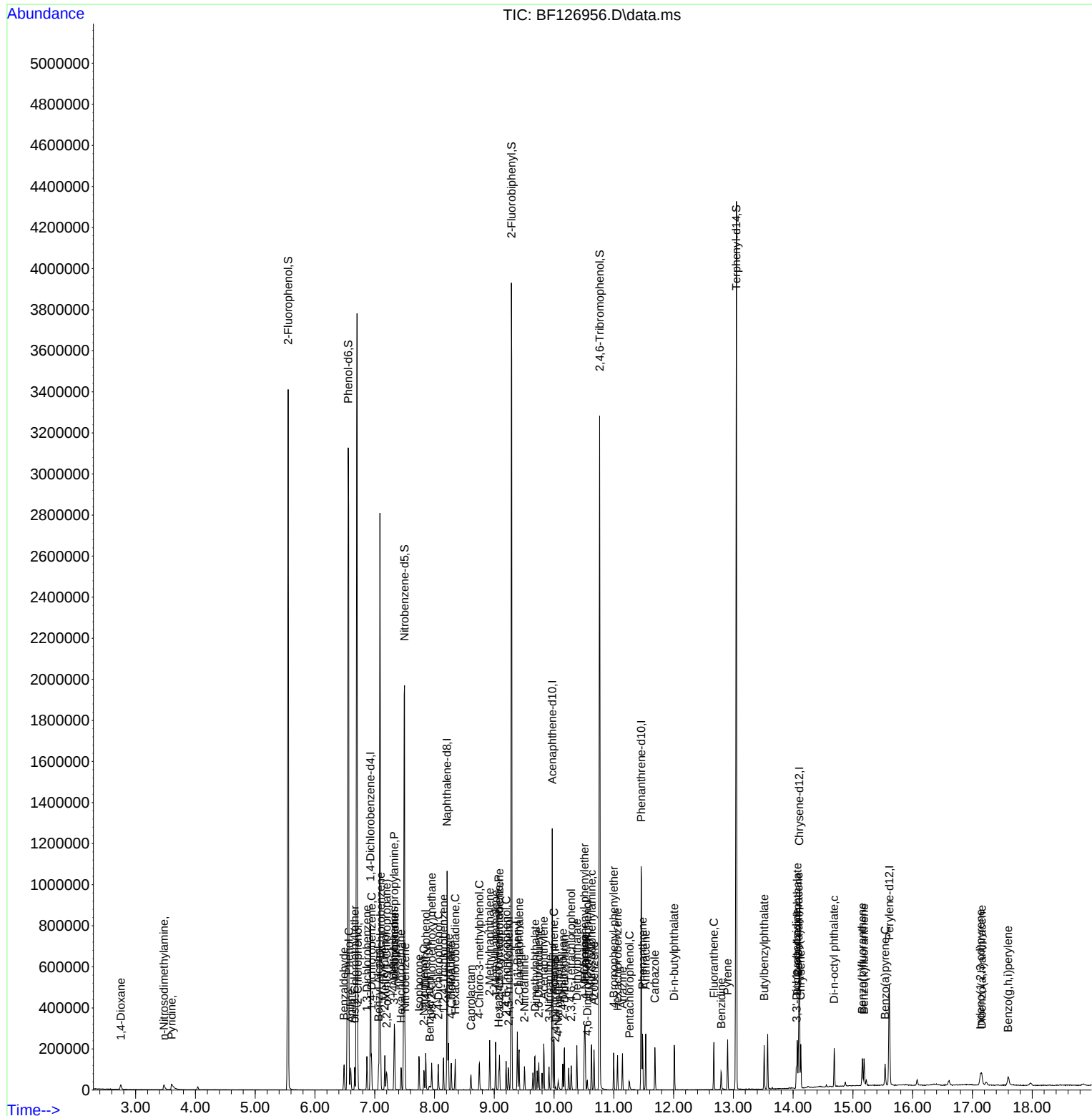
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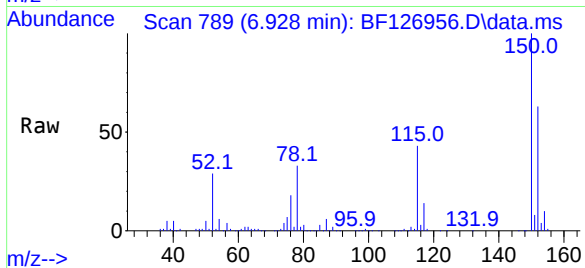
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

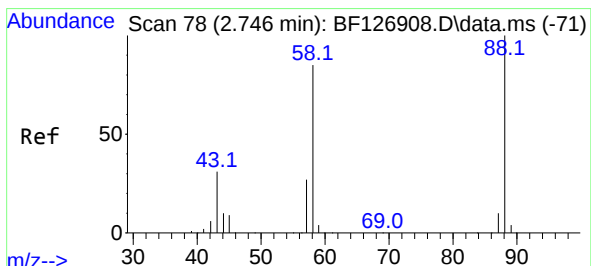
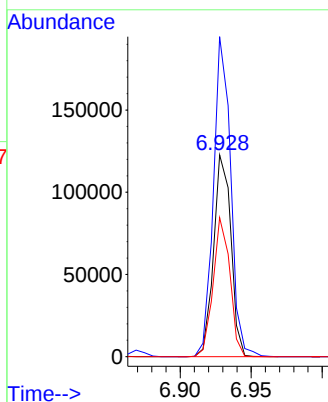
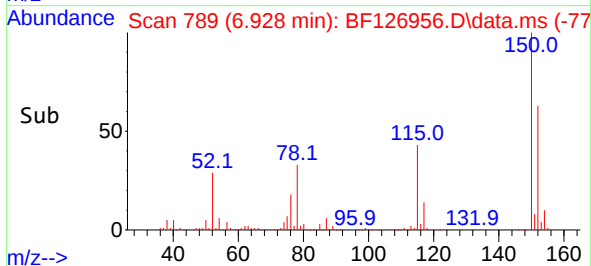
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BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



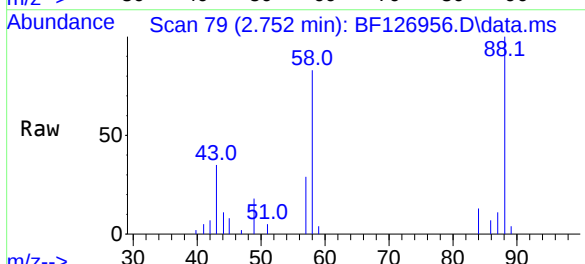
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Ion Ratio Lower Upper
152 100
150 158.6 128.1 192.1
115 68.9 56.7 85.1

Manual Integrations
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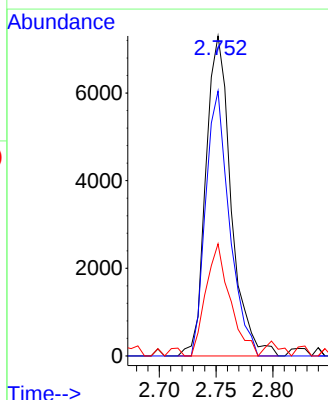
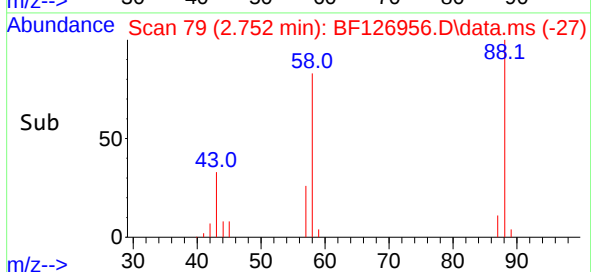
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#2
1,4-Dioxane
Concen: 3.683 ng
RT: 2.752 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



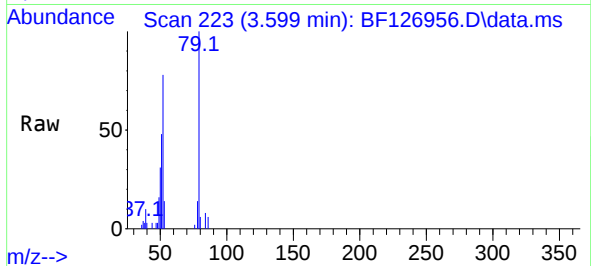
Tgt Ion: 88 Resp: 11306
Ion Ratio Lower Upper
88 100
58 77.8 62.8 94.2
43 33.6 22.3 33.5#





#3
Pyridine
Concen: 3.137 ng
RT: 3.599 min Scan# 201
Delta R.T. 0.083 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

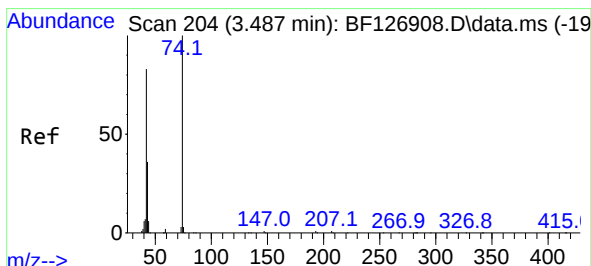
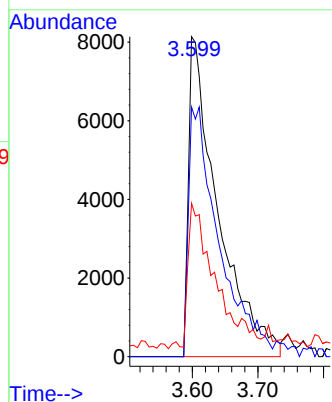
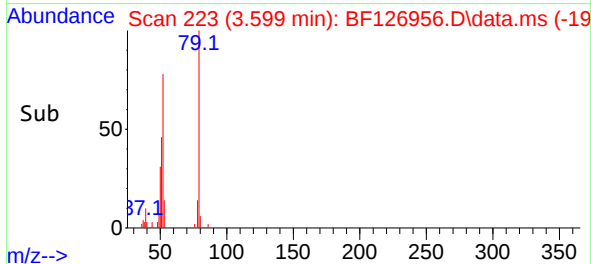
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



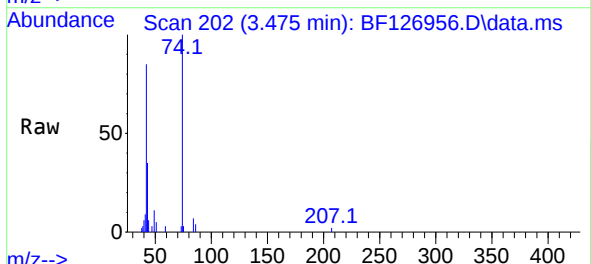
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Ion Ratio Lower Upper
79 100
52 78.0 56.2 84.4
51 47.9 26.7 40.1

Manual Integrations
APPROVED

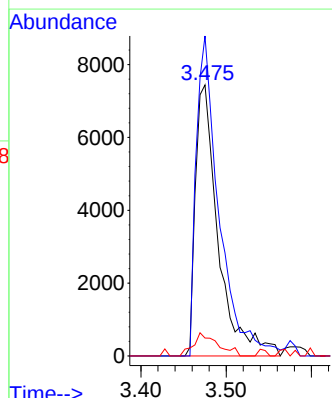
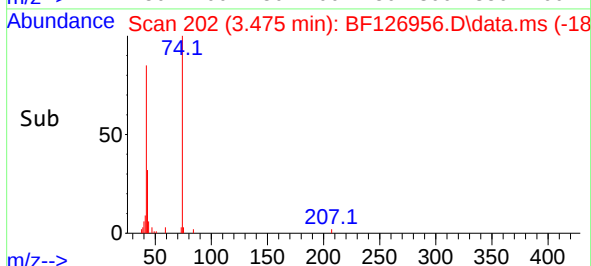
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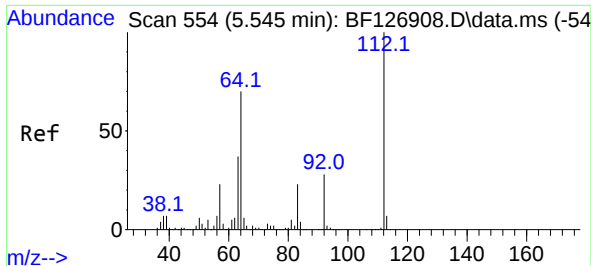


#4
n-Nitrosodimethylamine
Concen: 3.492 ng
RT: 3.475 min Scan# 202
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



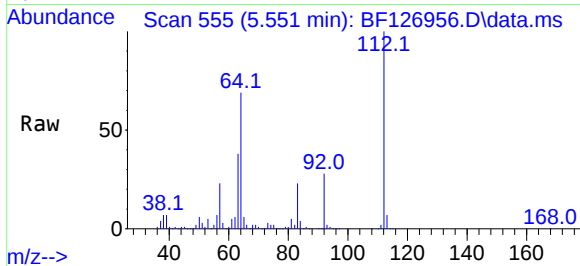
Tgt Ion: 42 Resp: 13773
Ion Ratio Lower Upper
42 100
74 118.1 125.6 188.4
44 6.6 5.7 8.5





#5
2-Fluorophenol
Concen: 139.646 ng
RT: 5.551 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

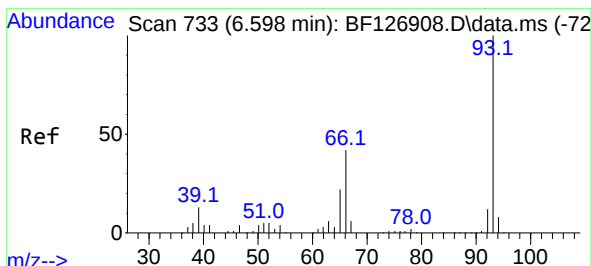
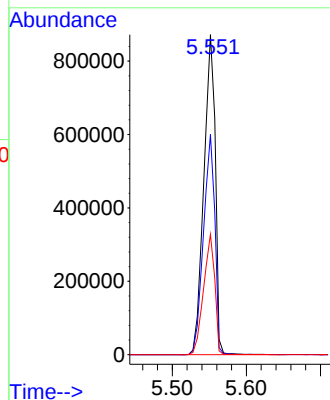
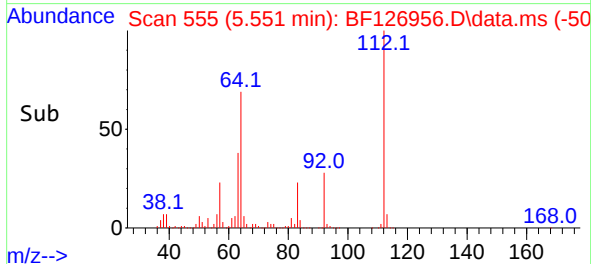
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ClientSampleId :
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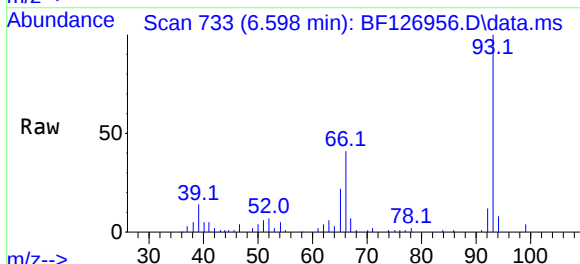
Tgt Ion:112 Resp: 936700
Ion Ratio Lower Upper
112 100
64 68.8 49.5 74.3
63 37.6 23.9 35.9

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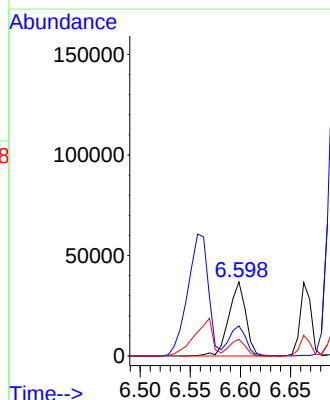
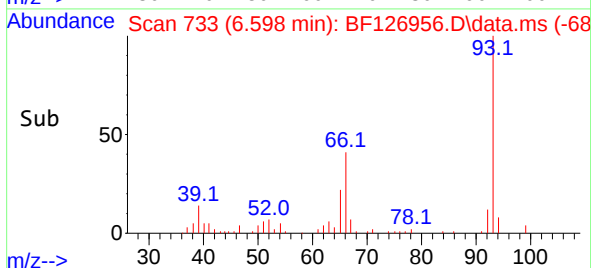
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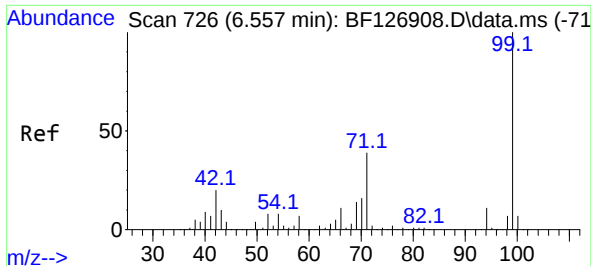


#6
Aniline
Concen: 4.059 ng
RT: 6.598 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



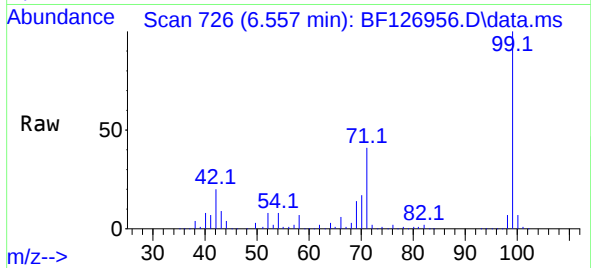
Tgt Ion: 93 Resp: 43533
Ion Ratio Lower Upper
93 100
66 40.5 32.2 48.4
65 22.5 16.3 24.5





#7
Phenol-d6
Concen: 141.718 ng
RT: 6.557 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

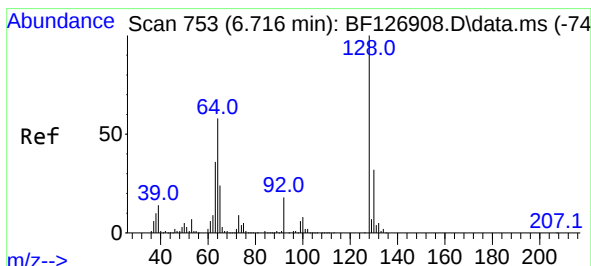
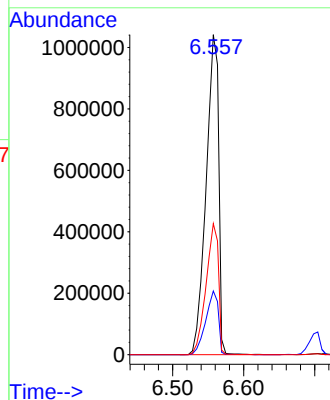
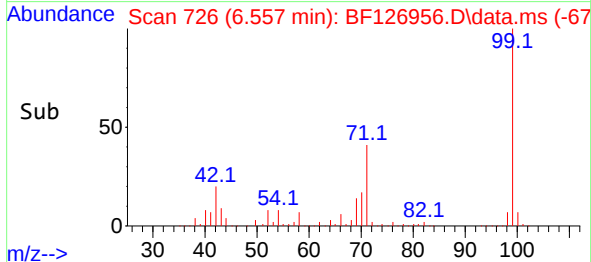
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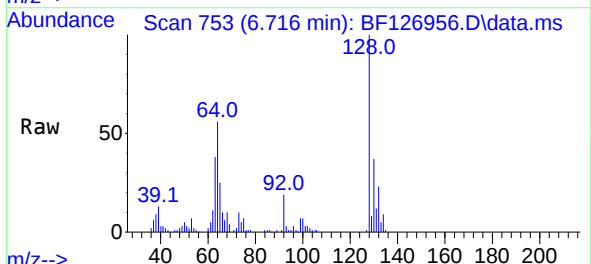
Tgt Ion: 99 Resp: 128270
Ion Ratio Lower Upper
99 100
42 19.9 14.2 21.4
71 41.0 24.3 36.5

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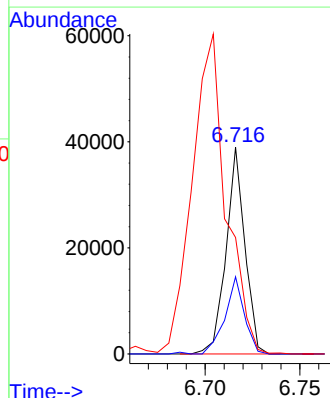
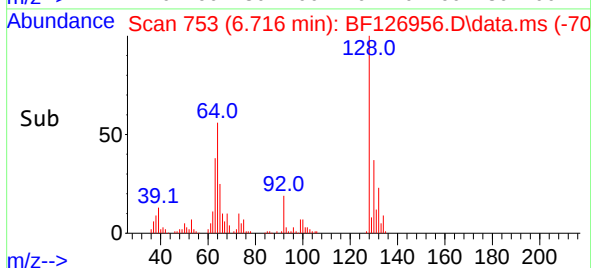
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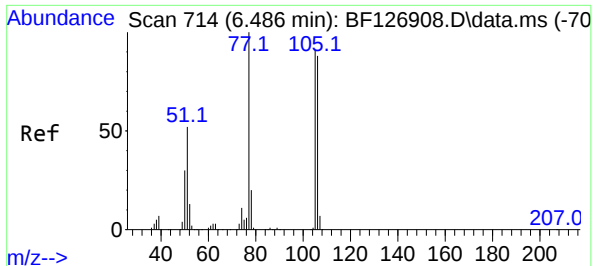


#8
2-Chlorophenol
Concen: 3.737 ng
RT: 6.716 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



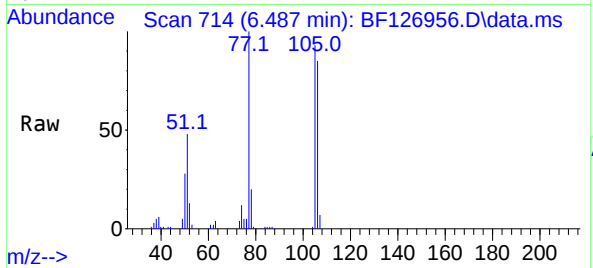
Tgt Ion:128 Resp: 26895
Ion Ratio Lower Upper
128 100
130 37.3 12.7 52.7
64 56.3 35.6 75.6





#9
Benzaldehyde
Concen: 4.845 ng
RT: 6.487 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF126956.D
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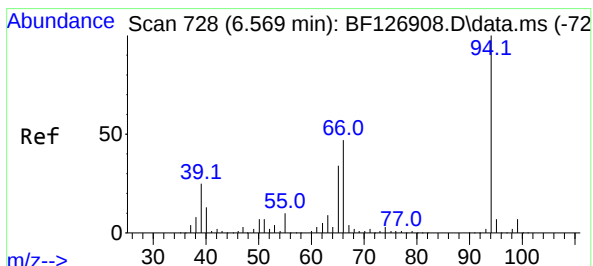
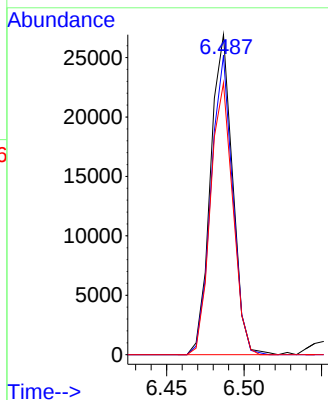
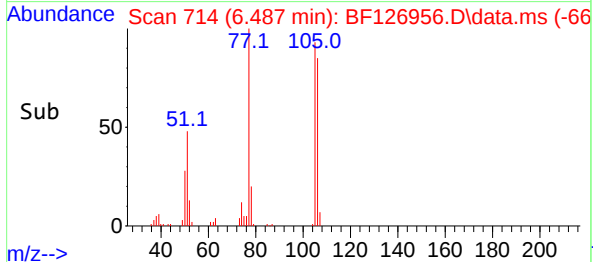
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Tgt Ion: 77 Resp: 26692
Ion Ratio Lower Upper
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105 93.5 74.9 114.9
106 84.9 72.4 112.4

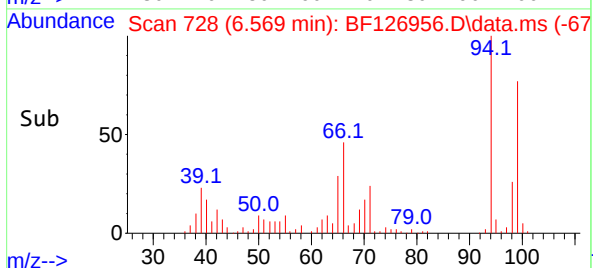
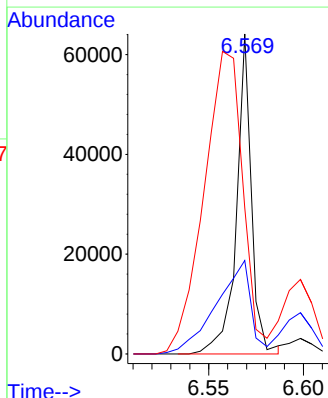
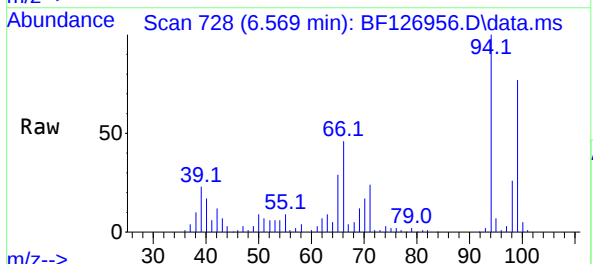
Manual Integrations
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Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#10
Phenol
Concen: 3.845 ng
RT: 6.569 min Scan# 728
Delta R.T. 0.000 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

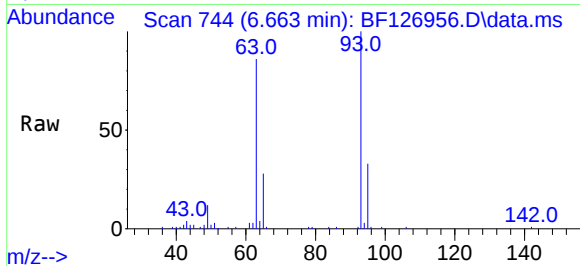
Tgt Ion: 94 Resp: 35167
Ion Ratio Lower Upper
94 100
65 29.2 7.2 47.2
66 45.7 14.5 54.5





#11
bis(2-Chloroethyl)ether
Concen: 3.888 ng
RT: 6.663 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

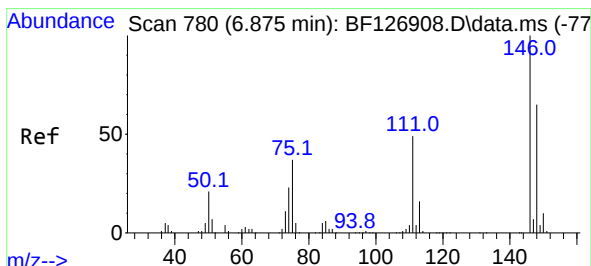
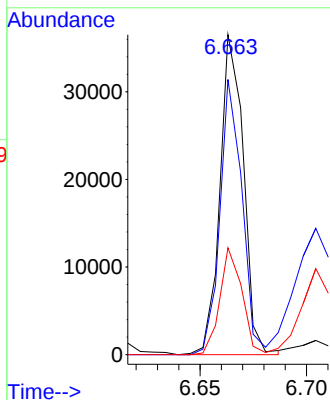
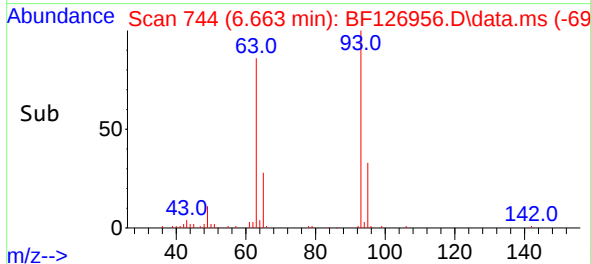
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



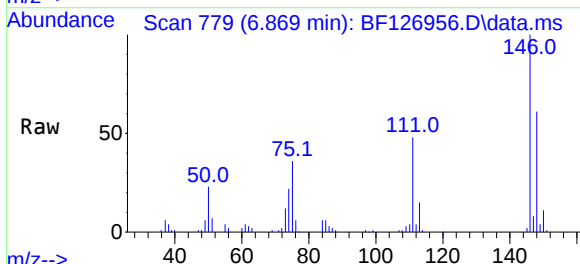
Tgt Ion: 93 Resp: 2788
Ion Ratio Lower Upper
93 100
63 86.0 60.5 100.5
95 33.4 12.9 52.9

Manual Integrations
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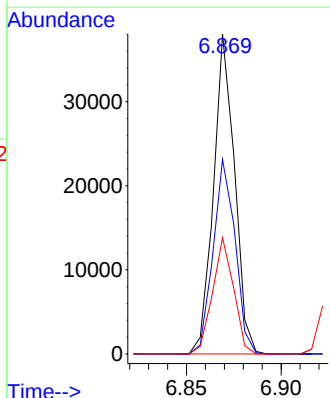
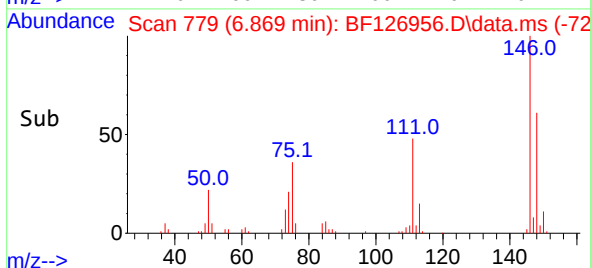
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



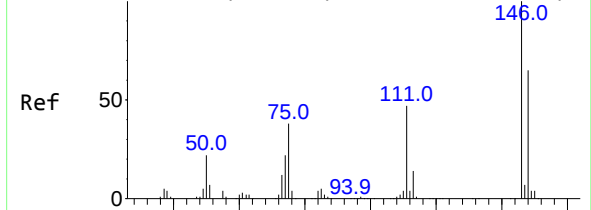
#12
1,3-Dichlorobenzene
Concen: 3.797 ng
RT: 6.869 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



Tgt Ion:146 Resp: 29481
Ion Ratio Lower Upper
146 100
148 60.8 50.9 76.3
75 36.4 28.4 42.6

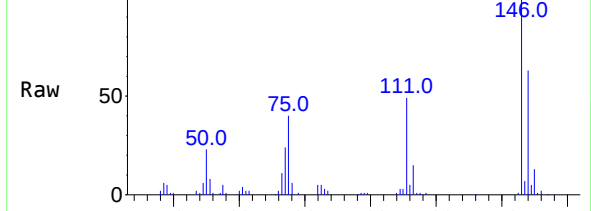


Abundance Scan 793 (6.951 min): BF126908.D\data.ms (-78



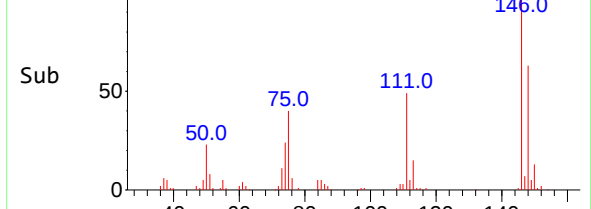
m/z-->

Abundance Scan 792 (6.945 min): BF126956.D\data.ms



m/z-->

Abundance Scan 792 (6.945 min): BF126956.D\data.ms (-74



m/z-->

#13

1,4-Dichlorobenzene

Concen: 3.806 ng

RT: 6.945 min Scan# 792

Delta R.T. -0.006 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Tgt Ion:146 Resp: 29960

Ion Ratio Lower Upper

146 100

148 62.8 49.8 74.6

111 48.9 36.1 54.1

Instrument :

BNA_F

ClientSampleId :

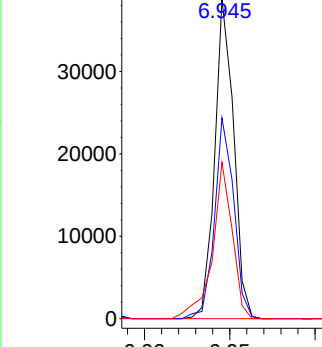
MDL-SOIL-03-QT4-2021

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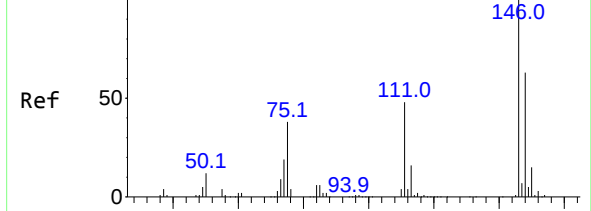
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

Abundance



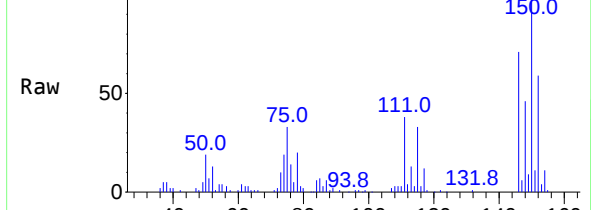
Time-->

Abundance Scan 819 (7.104 min): BF126908.D\data.ms (-81



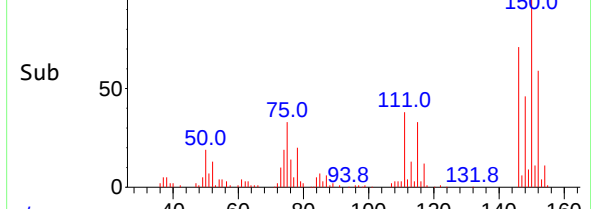
m/z-->

Abundance Scan 818 (7.098 min): BF126956.D\data.ms



m/z-->

Abundance Scan 818 (7.098 min): BF126956.D\data.ms (-76



m/z-->

#14

1,2-Dichlorobenzene

Concen: 3.720 ng

RT: 7.098 min Scan# 818

Delta R.T. -0.006 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Tgt Ion:146 Resp: 27925

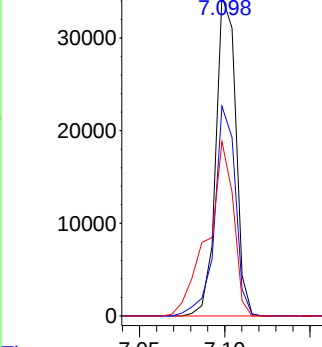
Ion Ratio Lower Upper

146 100

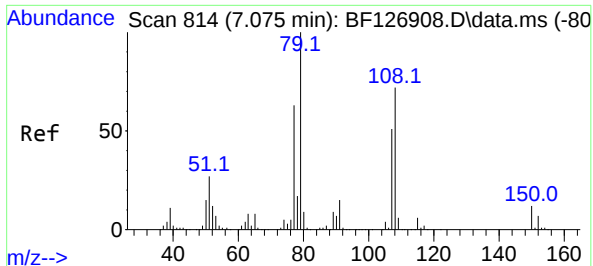
148 65.5 51.6 77.4

111 54.4 40.2 60.2

Abundance

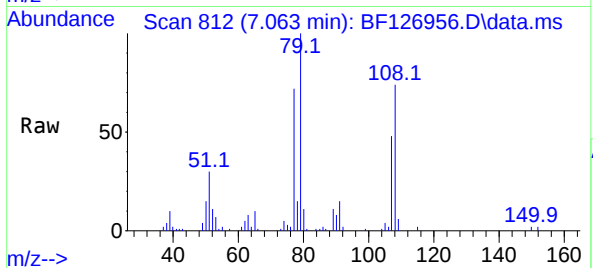


Time-->



#15
Benzyl Alcohol
Concen: 4.863 ng m
RT: 7.063 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

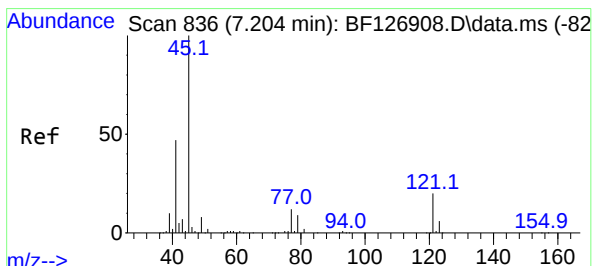
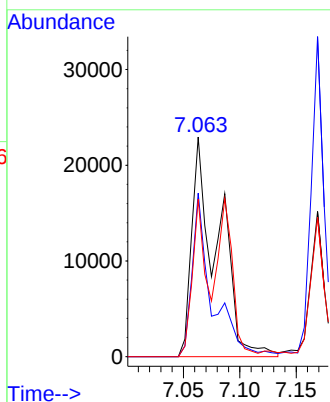
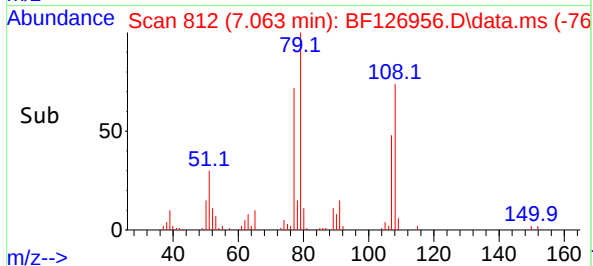
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



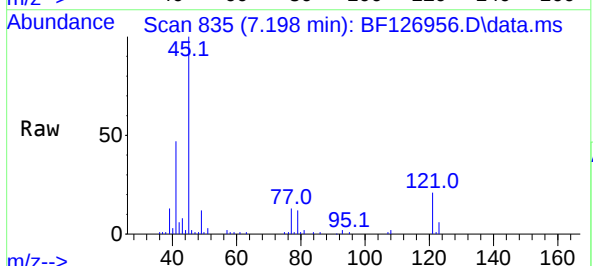
Tgt Ion: 79 Resp: 3708
Ion Ratio Lower Upper
79 100
108 74.5 63.2 94.8
77 71.7 49.4 74.2

Manual Integrations
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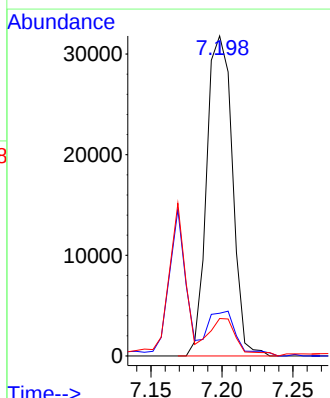
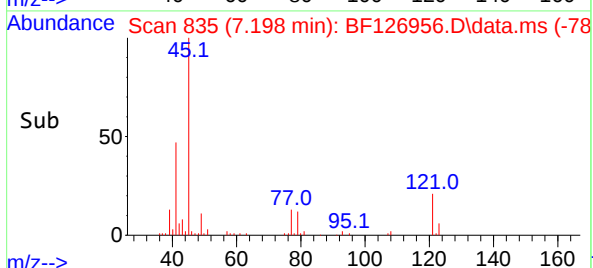
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

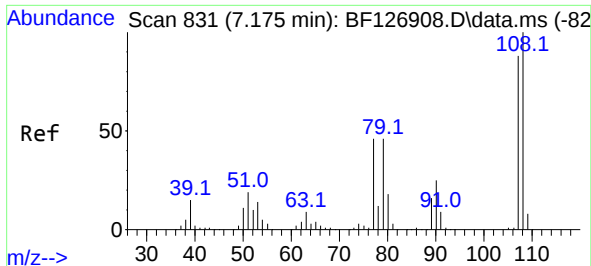


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.534 ng
RT: 7.198 min Scan# 835
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



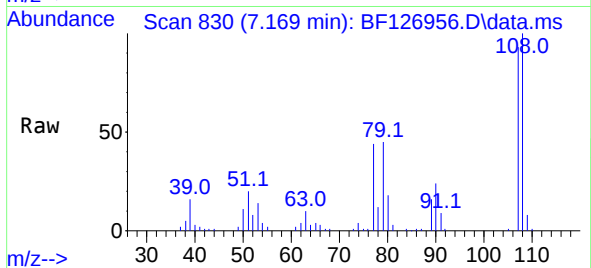
Tgt Ion: 45 Resp: 39917
Ion Ratio Lower Upper
45 100
77 13.3 0.0 32.4
79 11.7 0.0 29.8





#17
2-Methylphenol
Concen: 3.809 ng
RT: 7.169 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

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

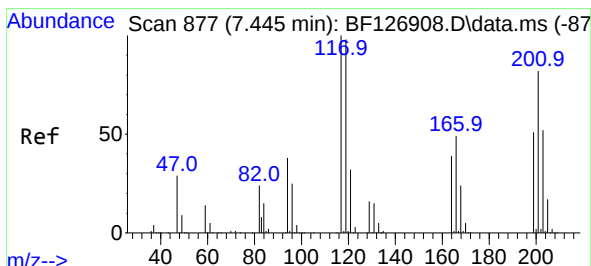
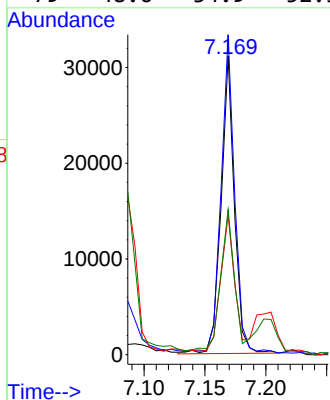
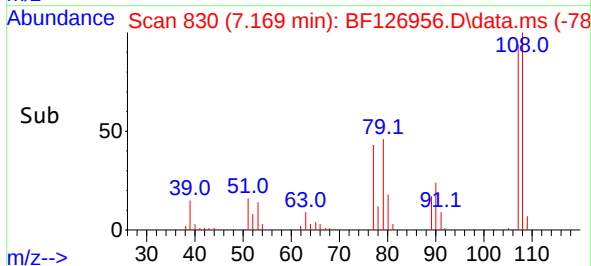


Tgt Ion:107 Resp: 23718

Ion	Ratio	Lower	Upper
107	100		
108	107.1	93.4	140.0
77	46.6	36.1	54.1
79	48.6	34.9	52.3

Manual Integrations
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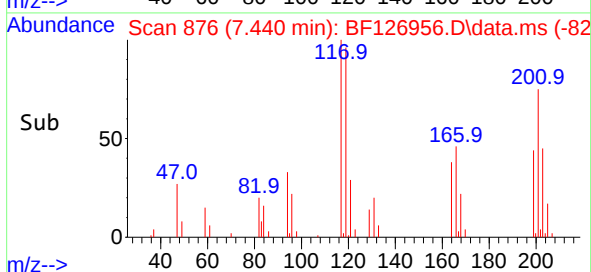
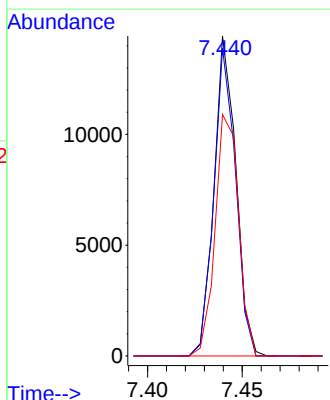
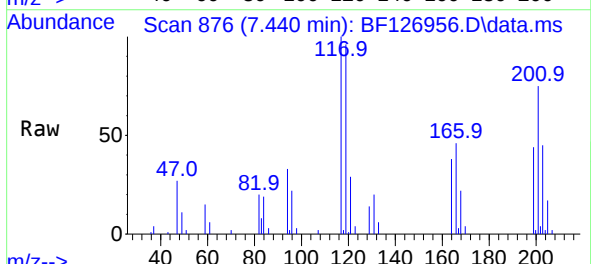
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

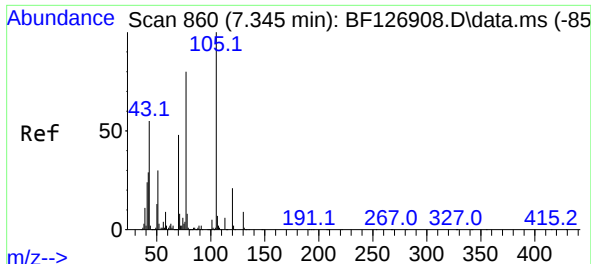


#18
Hexachloroethane
Concen: 3.857 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

Tgt Ion:117 Resp: 11635

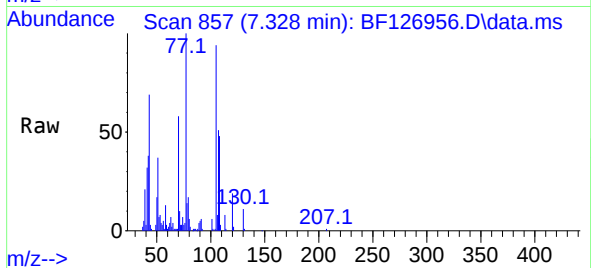
Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.4	113.0
201	75.5	56.8	85.2





#19
n-Nitroso-di-n-propylamine
Concen: 3.713 ng
RT: 7.328 min Scan# 857
Delta R.T. -0.017 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

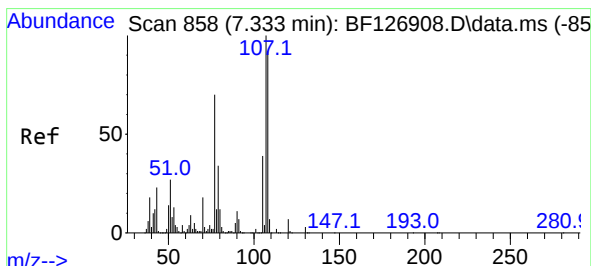
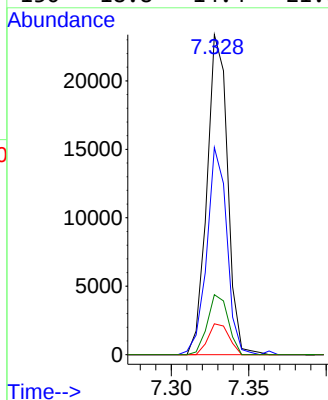
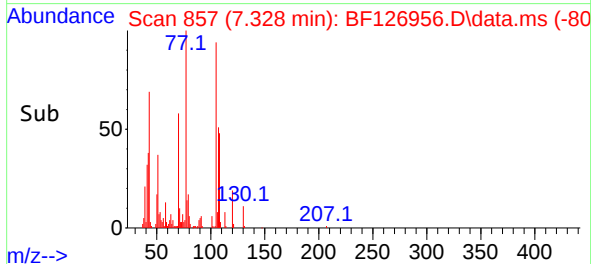
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



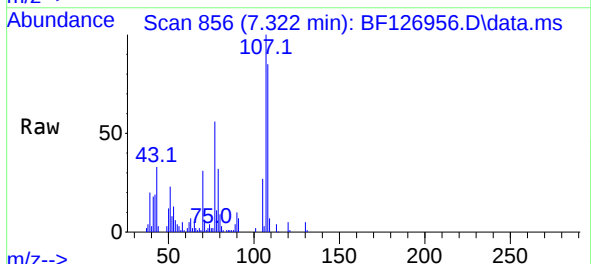
Tgt Ion: 70 Resp: 21654
Ion Ratio Lower Upper
70 100
42 64.7 45.8 68.8
101 9.6 6.9 10.3
130 18.8 14.4 21.6

Manual Integrations
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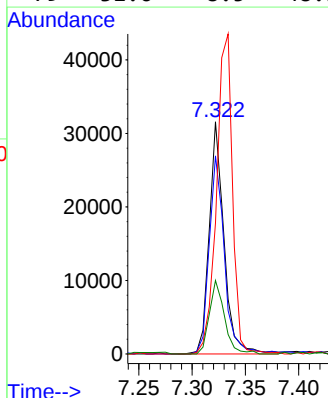
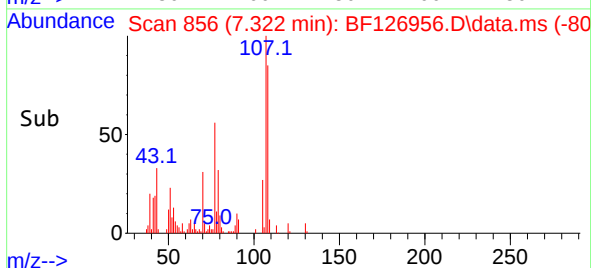
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

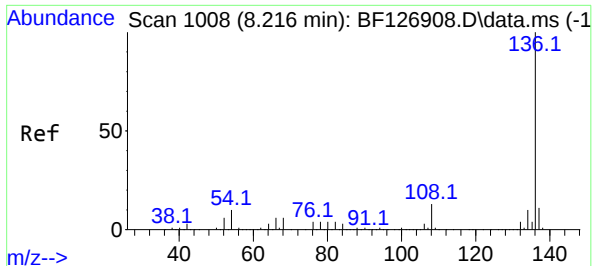


#20
3+4-Methylphenols
Concen: 3.767 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



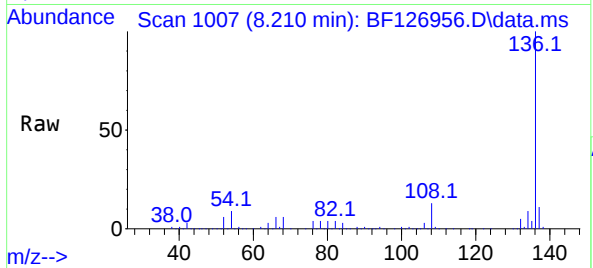
Tgt Ion:107 Resp: 30458
Ion Ratio Lower Upper
107 100
108 85.3 72.4 112.4
77 56.4 83.8 123.8#
79 31.6 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

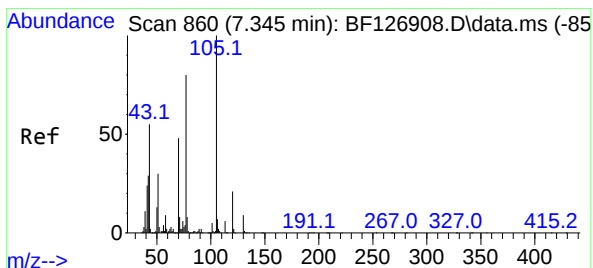
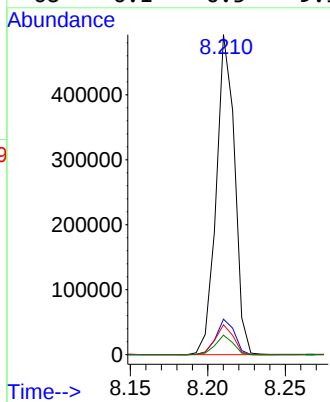
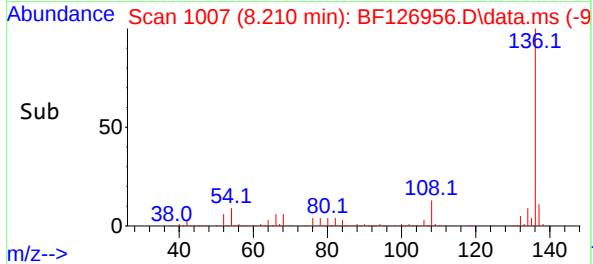
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



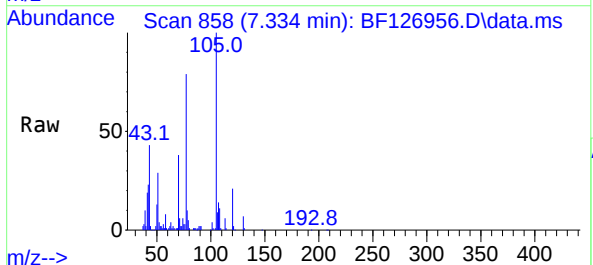
Tgt Ion:136 Resp: 40702
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.3 7.8 11.6
68 6.1 6.3 9.5#

Manual Integrations
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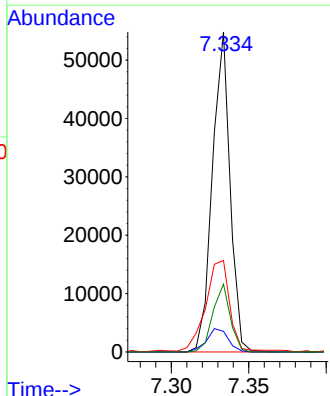
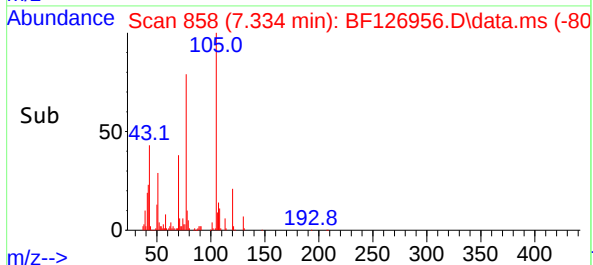
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

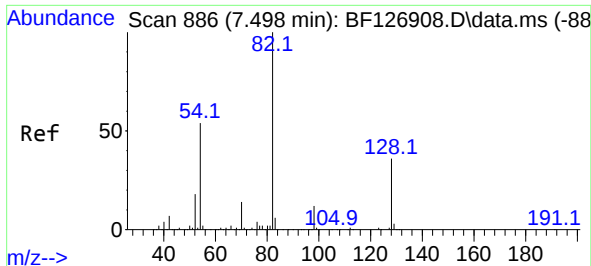


#22
Acetophenone
Concen: 4.048 ng
RT: 7.334 min Scan# 858
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



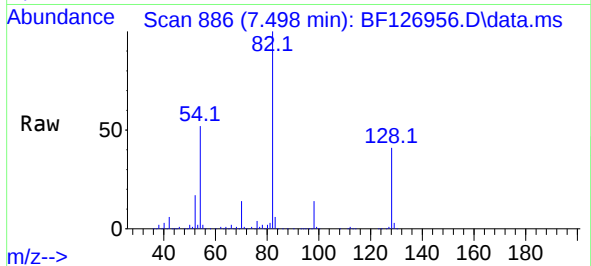
Tgt Ion:105 Resp: 43385
Ion Ratio Lower Upper
105 100
71 6.5 5.4 8.0
51 28.6 27.4 41.0
120 21.2 17.0 25.6





#23
Nitrobenzene-d5
Concen: 80.120 ng
RT: 7.498 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

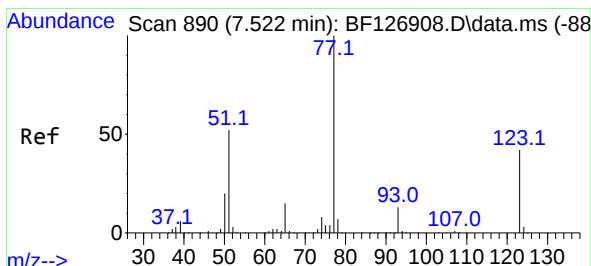
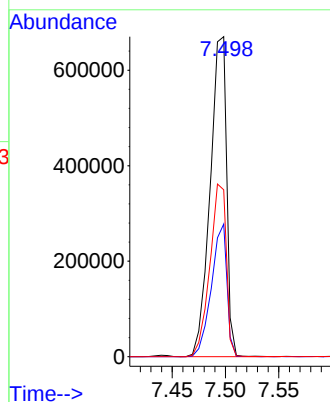
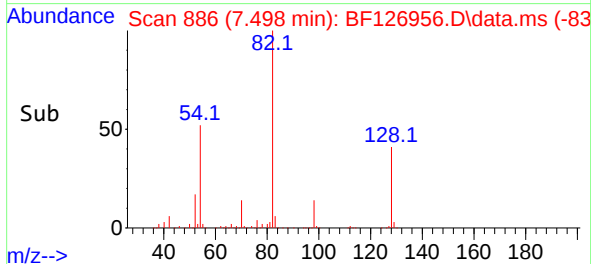
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



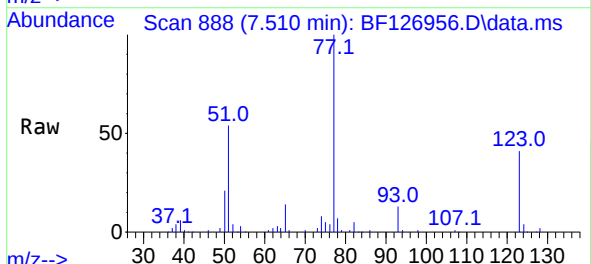
Tgt Ion: 82 Resp: 72248
Ion Ratio Lower Upper
82 100
128 41.4 32.7 49.1
54 52.1 41.7 62.5

Manual Integrations
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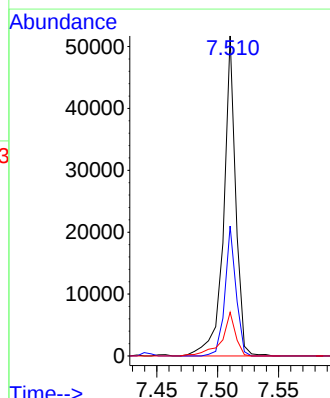
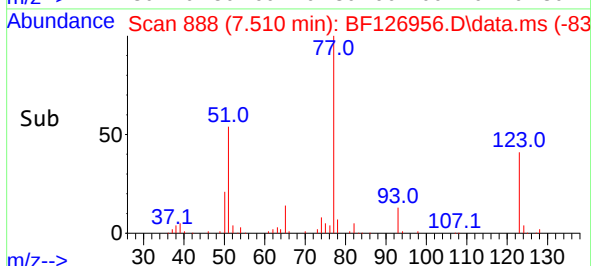
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

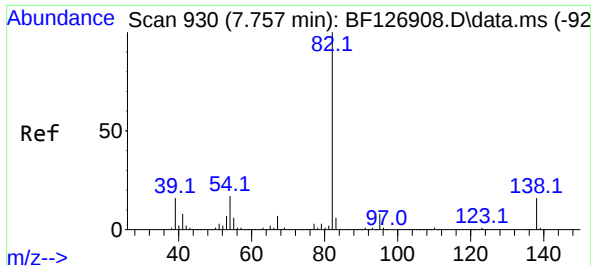


#24
Nitrobenzene
Concen: 4.191 ng
RT: 7.510 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



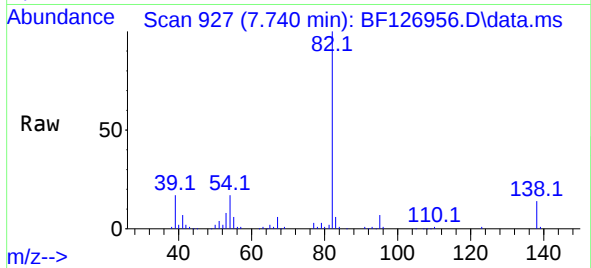
Tgt Ion: 77 Resp: 35703
Ion Ratio Lower Upper
77 100
123 40.6 34.6 52.0
65 13.7 10.6 15.8





#25
Isophorone
Concen: 4.029 ng
RT: 7.740 min Scan# 911
Delta R.T. -0.017 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

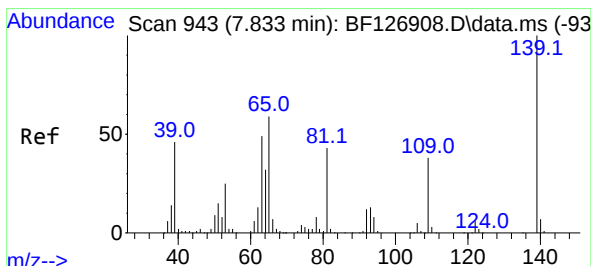
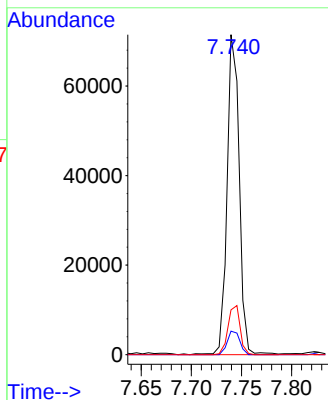
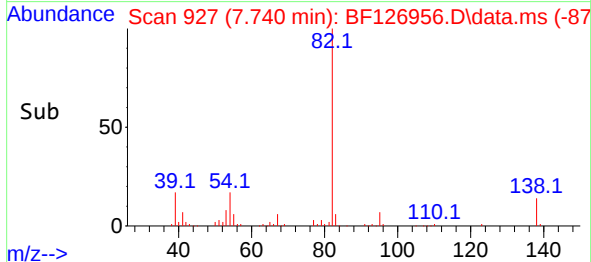
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2021



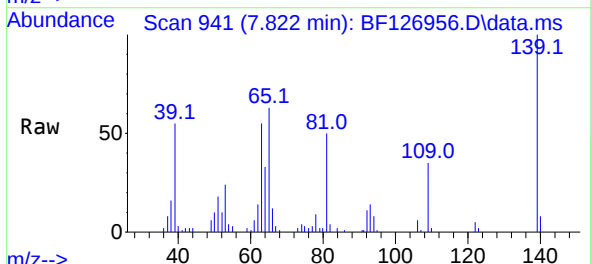
Tgt Ion: 82 Resp: 6011
Ion Ratio Lower Upper
82 100
95 7.4 5.0 7.4
138 14.0 12.3 18.5

Manual Integrations
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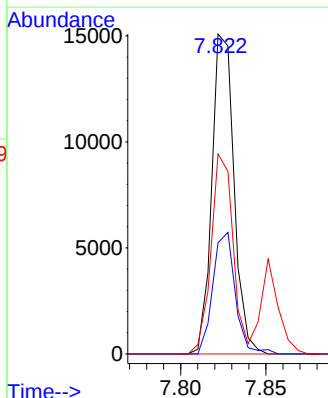
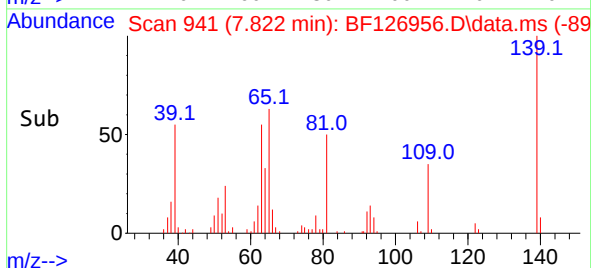
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

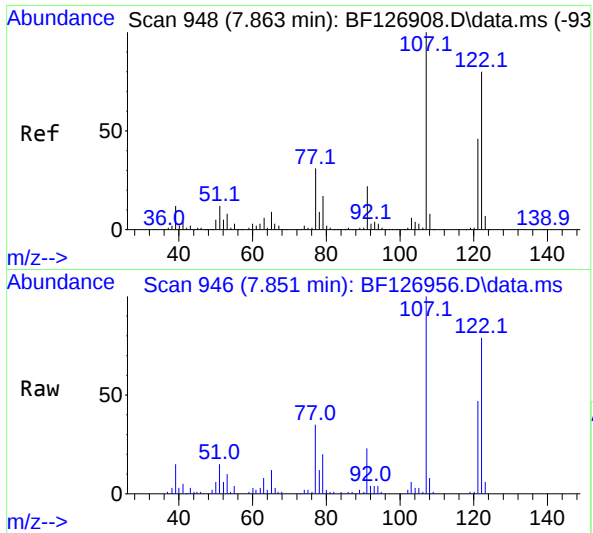


#26
2-Nitrophenol
Concen: 3.764 ng
RT: 7.822 min Scan# 941
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



Tgt Ion:139 Resp: 13652
Ion Ratio Lower Upper
139 100
109 34.7 20.0 30.0#
65 62.5 40.8 61.2#





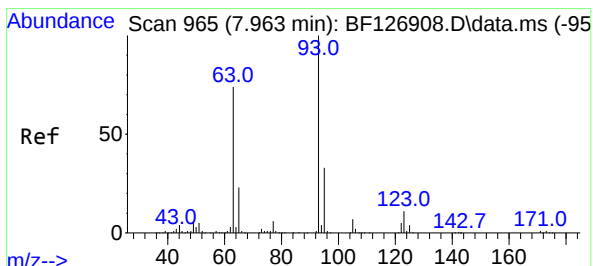
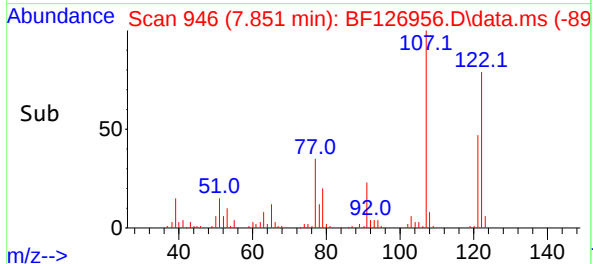
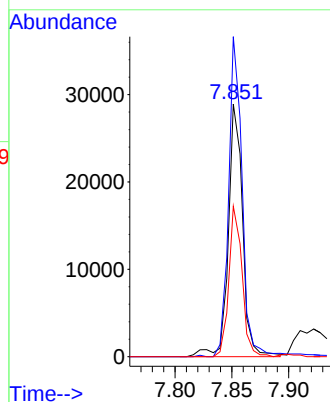
#27
2,4-Dimethylphenol
Concen: 4.237 ng
RT: 7.851 min Scan# 946
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

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

Tgt Ion:122 Resp: 2524
Ion Ratio Lower Upper
122 100
107 126.6 91.2 136.8
121 59.5 44.4 66.6

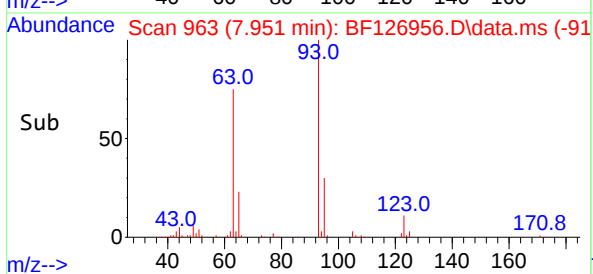
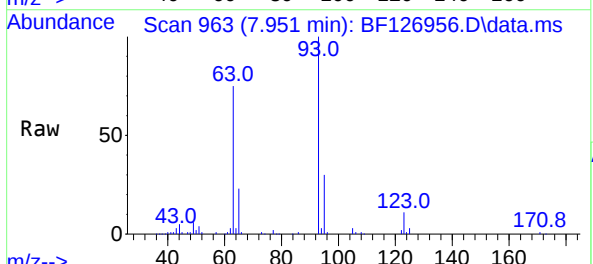
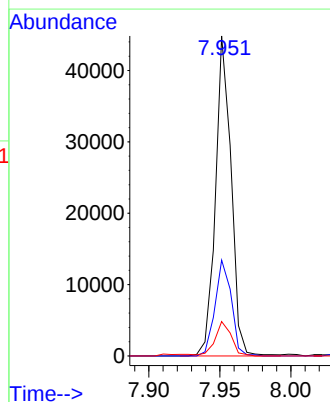
Manual Integrations
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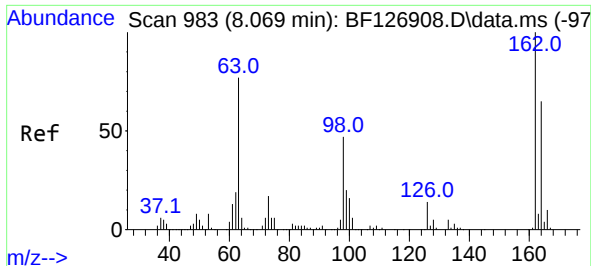
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#28
bis(2-Chloroethoxy)methane
Concen: 3.782 ng
RT: 7.951 min Scan# 963
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

Tgt Ion: 93 Resp: 34209
Ion Ratio Lower Upper
93 100
95 29.9 25.4 38.2
123 10.8 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 3.495 ng

RT: 8.063 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Instrument :

BNA_F

ClientSampleId :

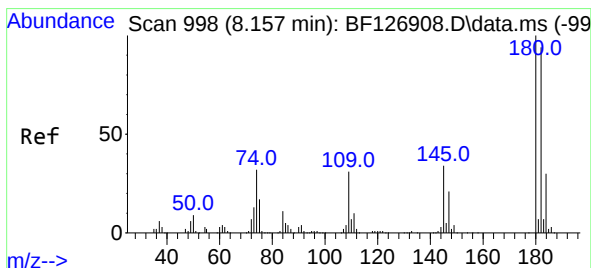
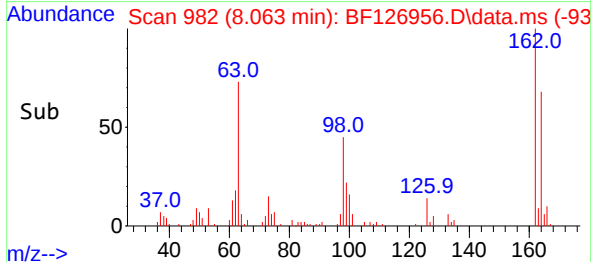
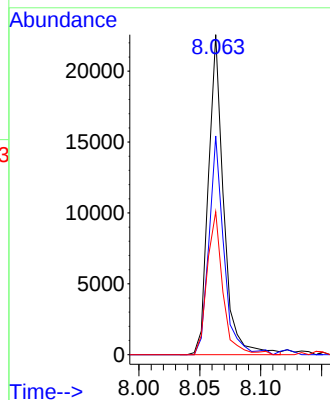
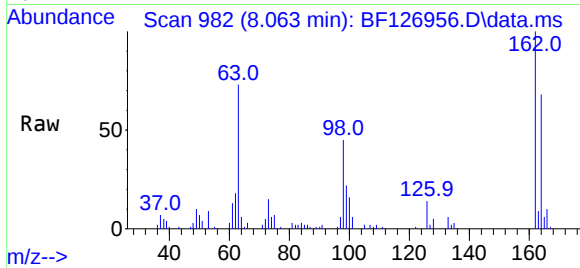
MDL-SOIL-03-QT4-2021

Tgt Ion:162 Resp: 19579
 Ion Ratio Lower Upper
 162 100
 164 68.4 43.8 83.8
 98 44.6 23.6 63.6

Manual Integrations

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 Supervised By :Jagrut Upadhyay 02/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 3.843 ng

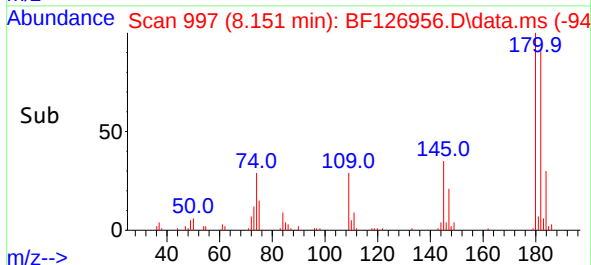
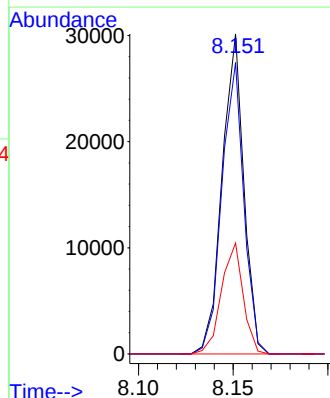
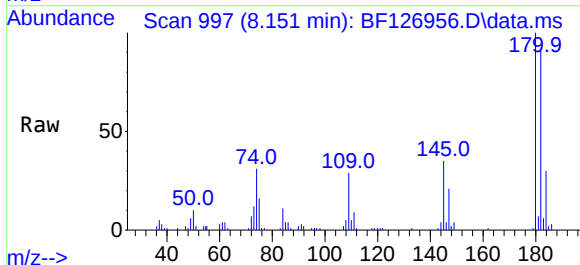
RT: 8.151 min Scan# 997

Delta R.T. -0.006 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

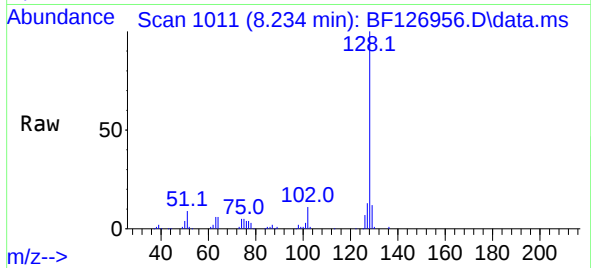
Tgt Ion:180 Resp: 24071
 Ion Ratio Lower Upper
 180 100
 182 91.0 75.5 113.3
 145 34.7 26.2 39.2





#31
Naphthalene
Concen: 3.937 ng
RT: 8.234 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

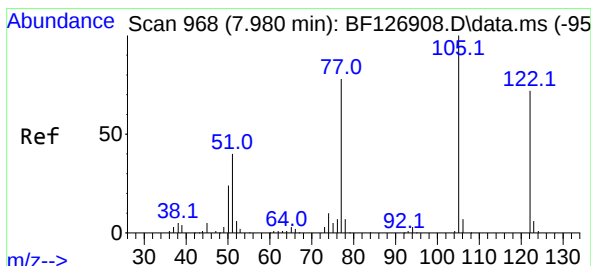
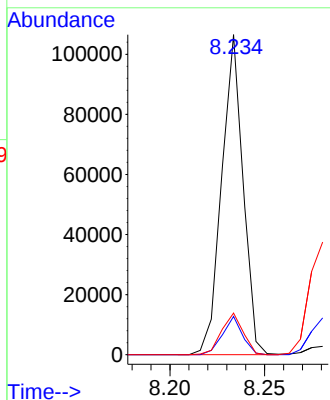
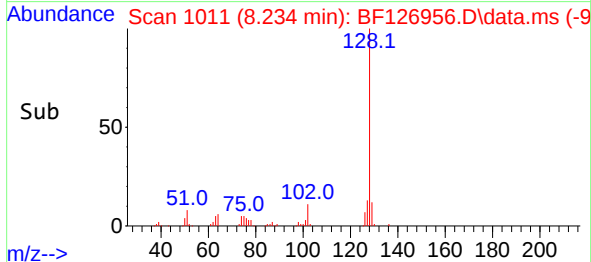
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



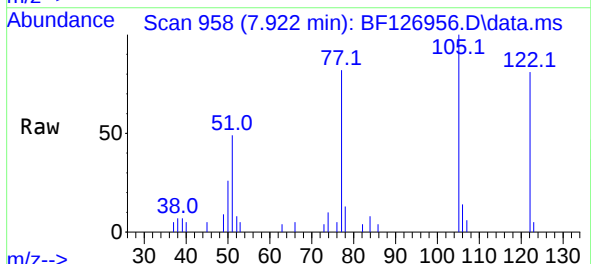
Tgt Ion:128 Resp: 8364
Ion Ratio Lower Upper
128 100
129 11.9 8.6 13.0
127 13.0 10.3 15.5

Manual Integrations
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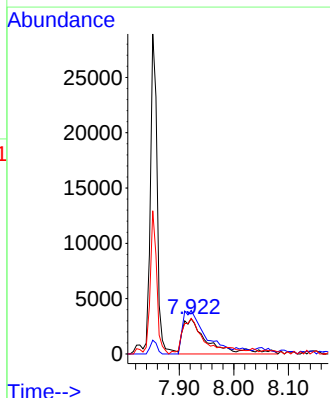
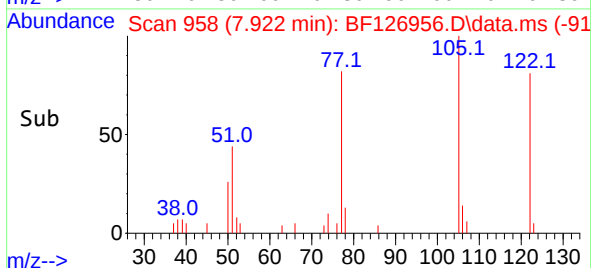
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#32
Benzoic acid
Concen: 2.374 ng m
RT: 7.922 min Scan# 958
Delta R.T. -0.059 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



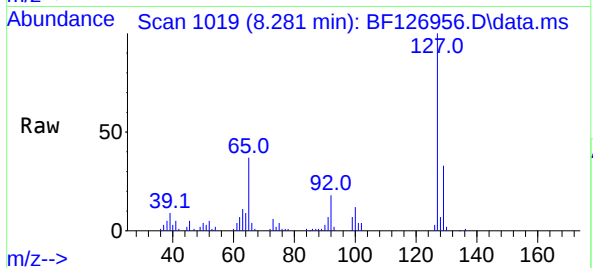
Tgt Ion:122 Resp: 10033
Ion Ratio Lower Upper
122 100
105 123.8 101.0 141.0
77 101.0 74.5 114.5





#33
4-Chloroaniline
Concen: 4.051 ng
RT: 8.281 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

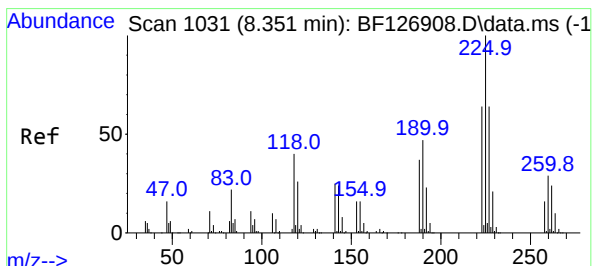
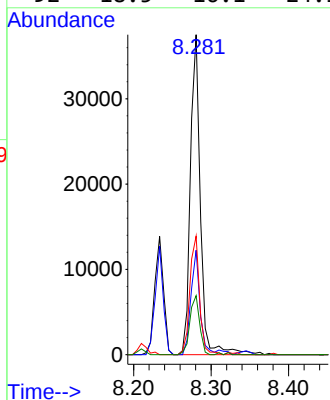
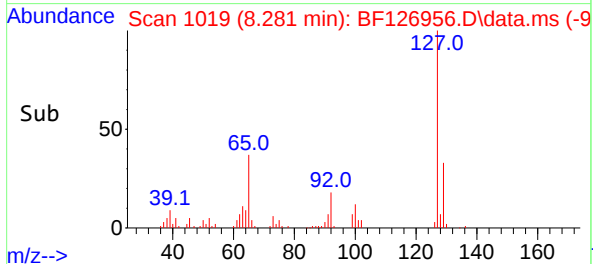
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



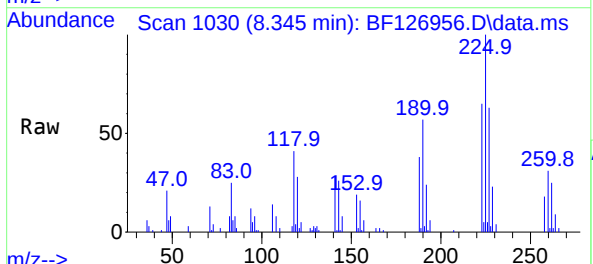
Tgt Ion:127 Resp: 33880
Ion Ratio Lower Upper
127 100
129 32.7 26.5 39.7
65 37.1 26.6 39.8
92 18.5 16.1 24.1

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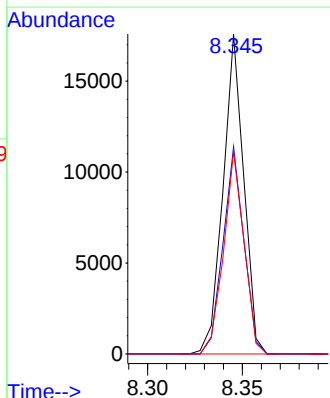
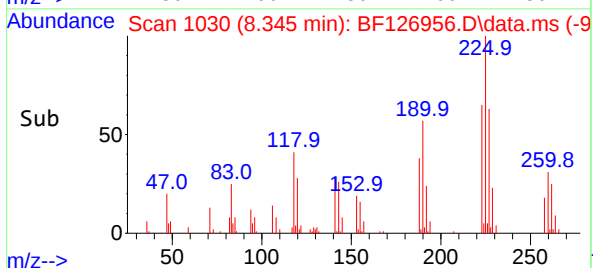
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

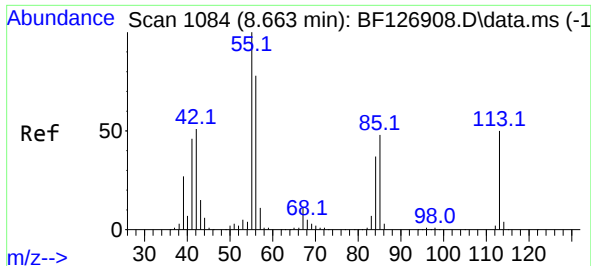


#34
Hexachlorobutadiene
Concen: 3.651 ng
RT: 8.345 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



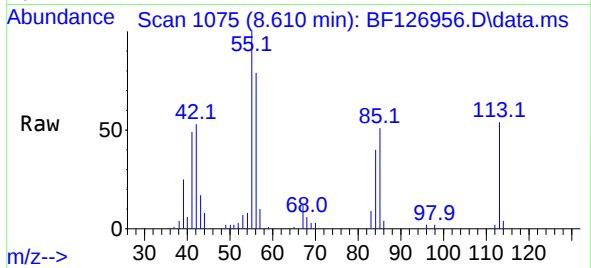
Tgt Ion:225 Resp: 13350
Ion Ratio Lower Upper
225 100
223 64.7 48.6 73.0
227 63.3 51.4 77.0





#35
Caprolactam
Concen: 3.527 ng
RT: 8.610 min Scan# 1098
Delta R.T. -0.053 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

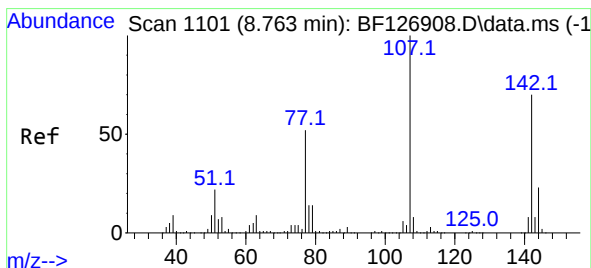
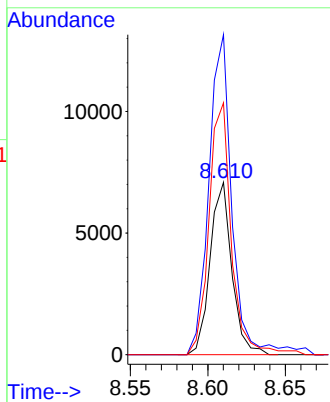
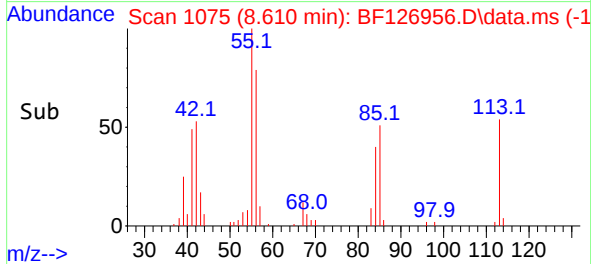
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



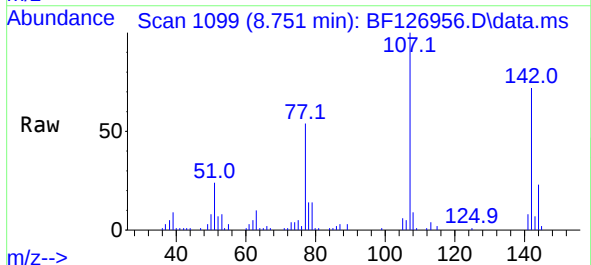
Tgt Ion:113 Resp: 6899
Ion Ratio Lower Upper
113 100
55 185.7 183.9 223.9
56 146.1 129.9 169.9

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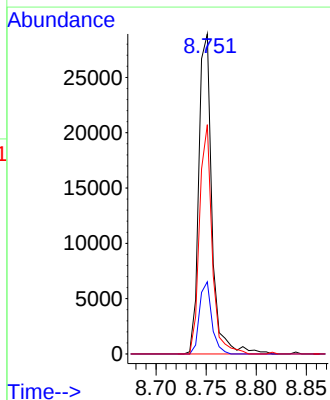
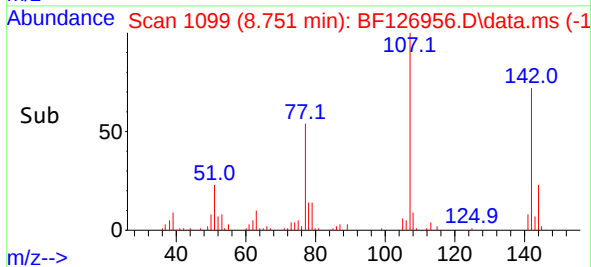
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

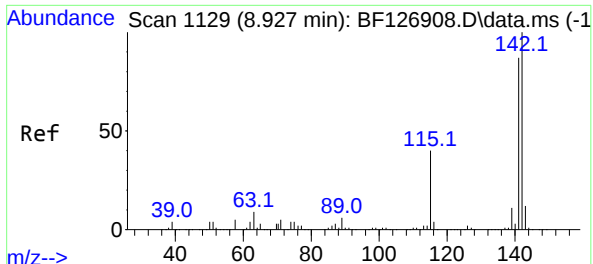


#36
4-Chloro-3-methylphenol
Concen: 3.697 ng
RT: 8.751 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



Tgt Ion:107 Resp: 26469
Ion Ratio Lower Upper
107 100
144 22.6 18.5 27.7
142 71.7 58.1 87.1





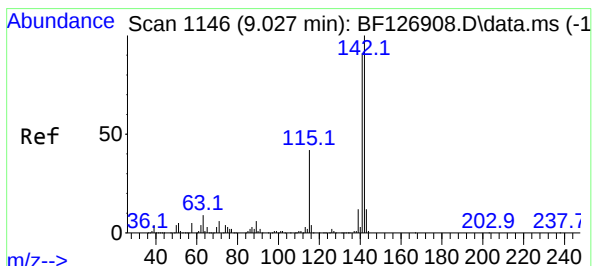
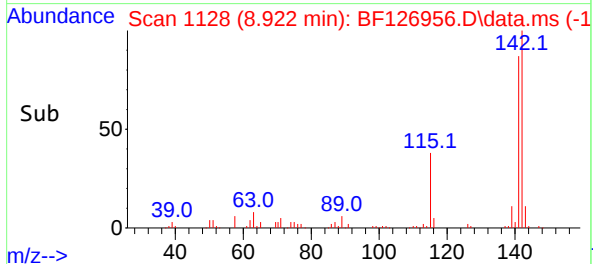
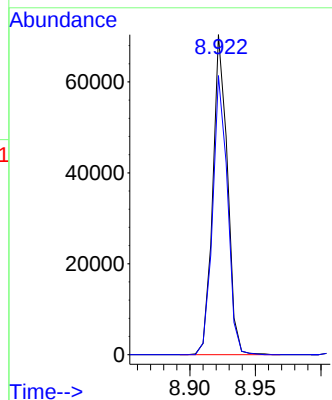
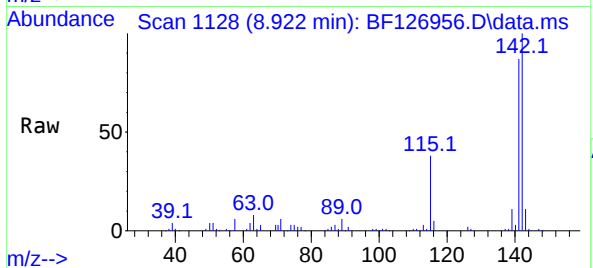
#37
2-Methylnaphthalene
Concen: 3.961 ng
RT: 8.922 min Scan# 1128
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

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

Tgt Ion:142 Resp: 54610
Ion Ratio Lower Upper
142 100
141 87.2 68.6 102.8

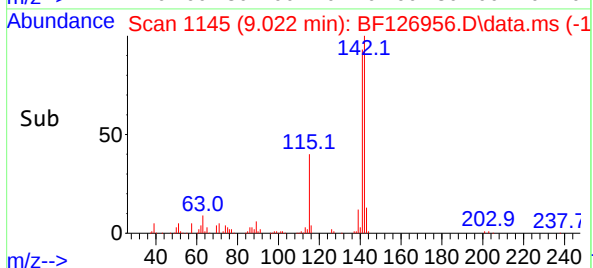
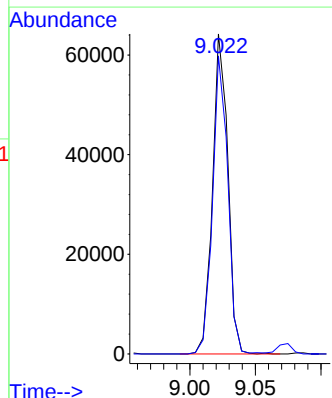
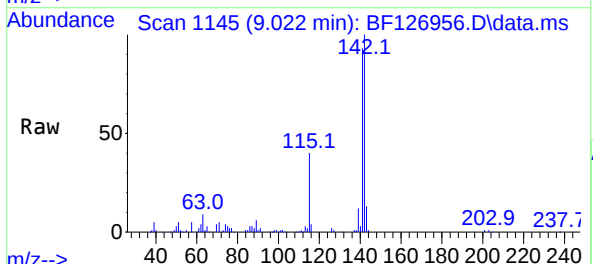
Manual Integrations
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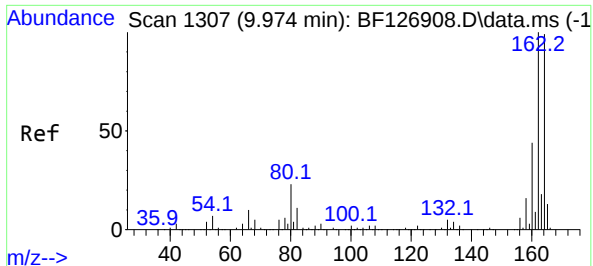
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#38
1-Methylnaphthalene
Concen: 3.953 ng
RT: 9.022 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

Tgt Ion:142 Resp: 52194
Ion Ratio Lower Upper
142 100
141 93.2 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126956.D

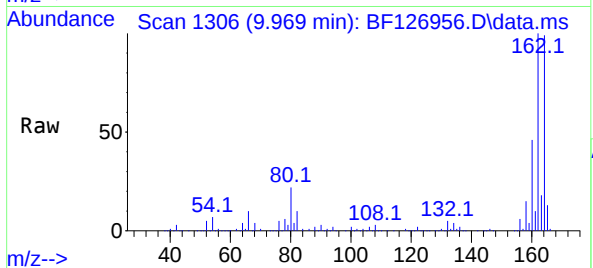
Acq: 18 Feb 2022 17:08

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021



Tgt Ion:164 Resp: 211430

Ion Ratio Lower Upper

164 100

162 100.6 81.4 122.0

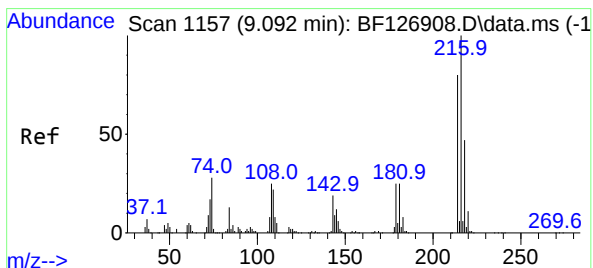
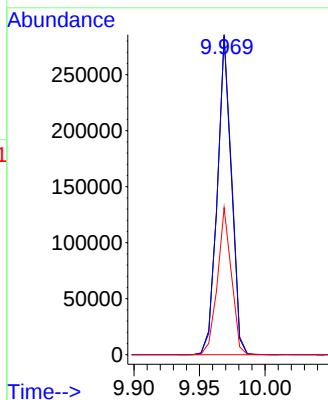
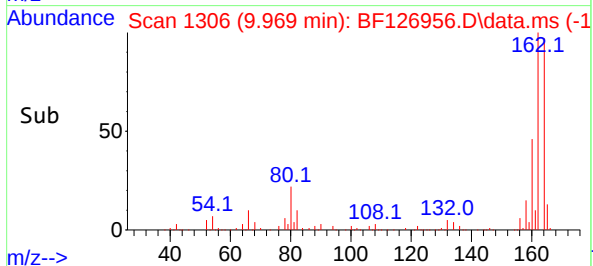
160 46.2 36.6 54.8

Manual Integrations

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Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.019 ng

RT: 9.086 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Tgt Ion:216 Resp: 22367

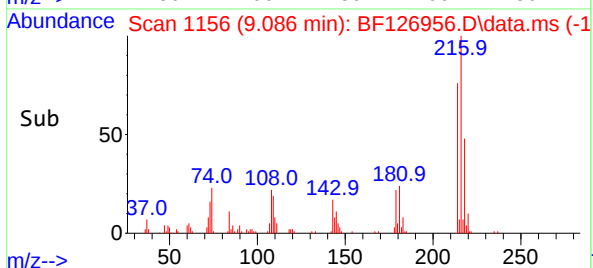
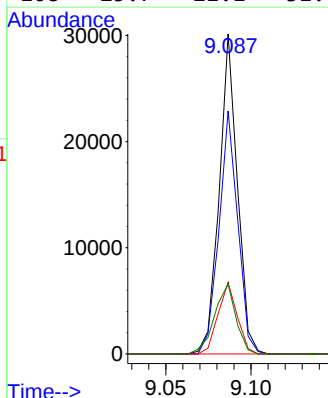
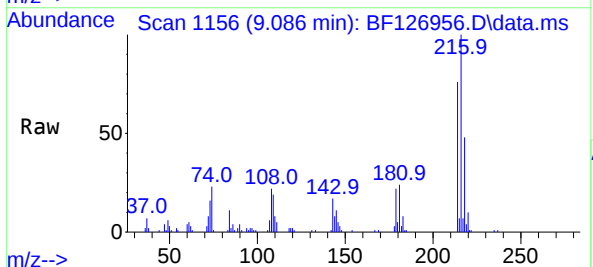
Ion Ratio Lower Upper

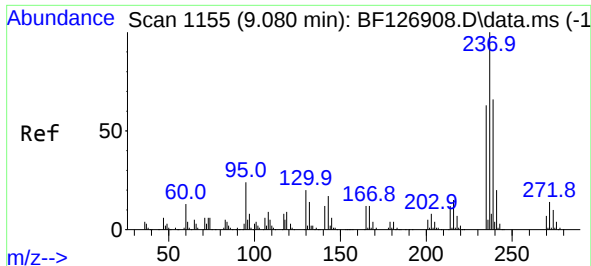
216 100

214 78.3 64.6 96.8

179 23.5 19.5 29.3

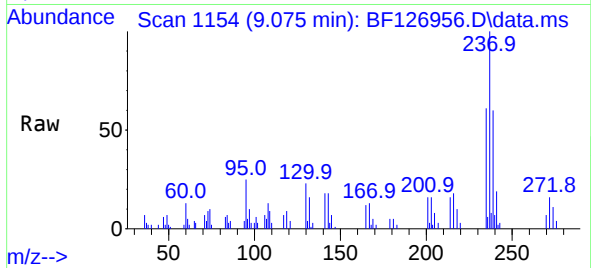
108 25.7 21.1 31.7





#41
Hexachlorocyclopentadiene
Concen: 2.955 ng
RT: 9.075 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

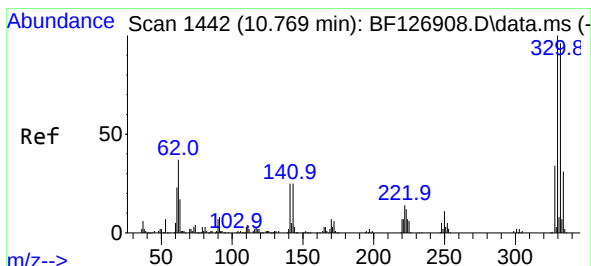
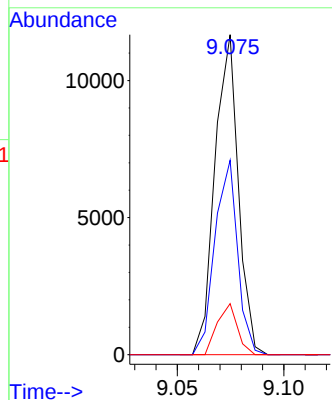
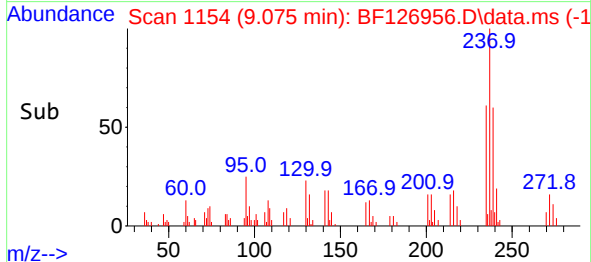
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



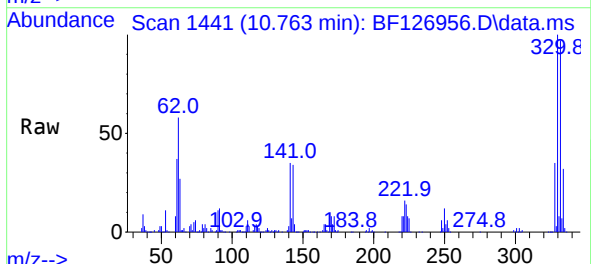
Tgt Ion: 237 Resp: 892
Ion Ratio Lower Upper
237 100
235 60.7 38.9 78.9
272 15.9 0.0 33.5

Manual Integrations
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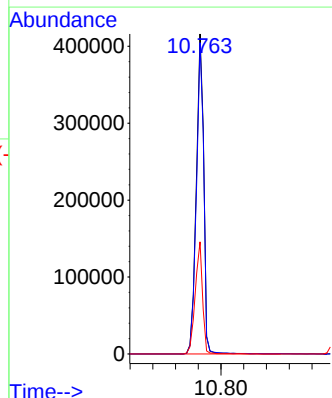
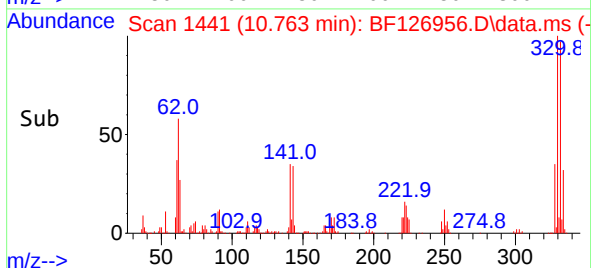
Reviewed By : Christian Giraldo 02/21/2022
Supervised By : Jagrut Upadhyay 02/21/2022

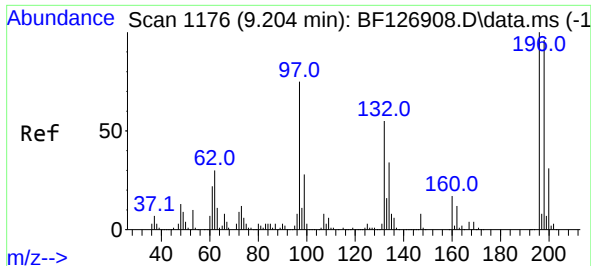


#42
2,4,6-Tribromophenol
Concen: 156.043 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



Tgt Ion: 330 Resp: 379872
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 34.6 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 3.557 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:196 Resp: 14520

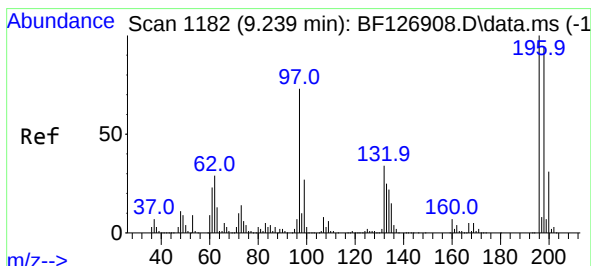
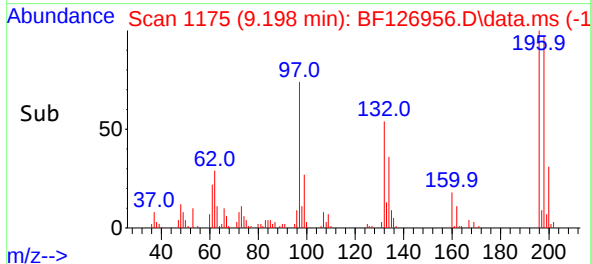
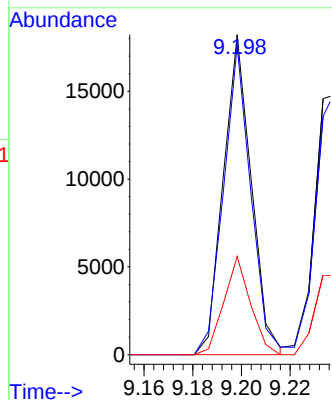
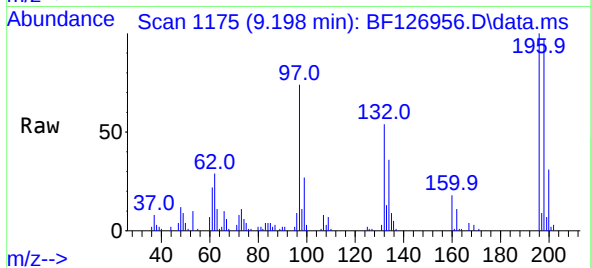
Ion	Ratio	Lower	Upper
196	100		
198	96.6	78.5	117.7
200	30.7	24.9	37.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#44

2,4,5-Trichlorophenol

Concen: 3.566 ng

RT: 9.239 min Scan# 1182

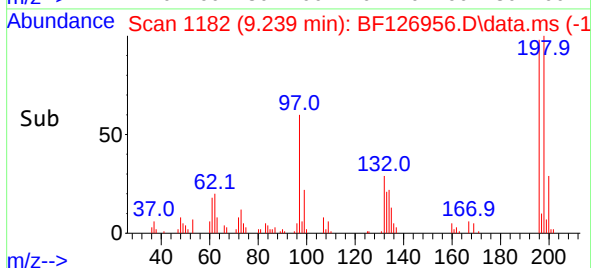
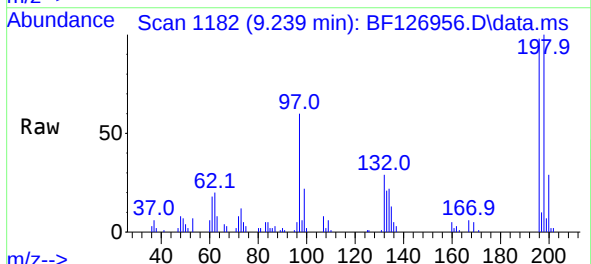
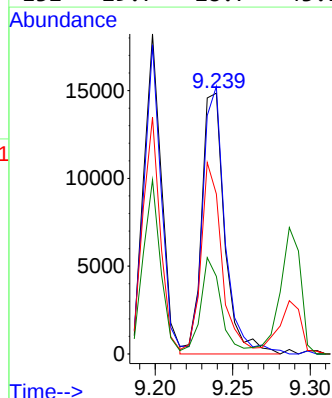
Delta R.T. 0.000 min

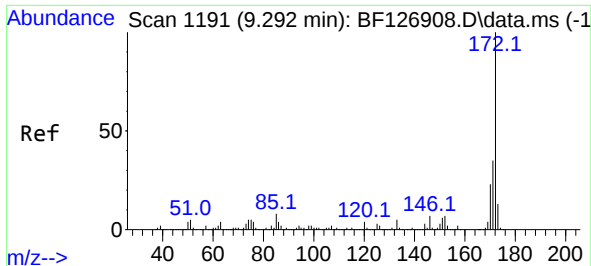
Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Tgt Ion:196 Resp: 15317

Ion	Ratio	Lower	Upper
196	100		
198	102.6	82.0	123.0
97	61.3	53.5	80.3
132	29.7	28.7	43.1





#45

2-Fluorobiphenyl

Concen: 82.128 ng

RT: 9.286 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:172 Resp: 117955

Ion Ratio Lower Upper

172 100

171 34.3 28.3 42.5

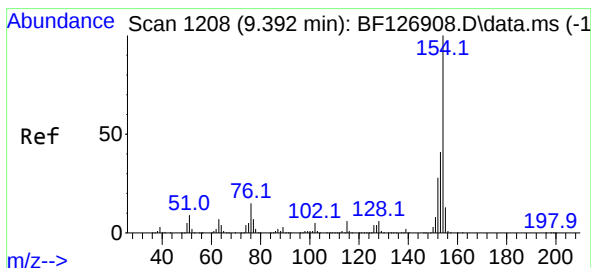
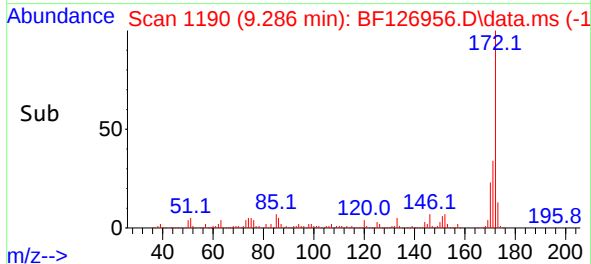
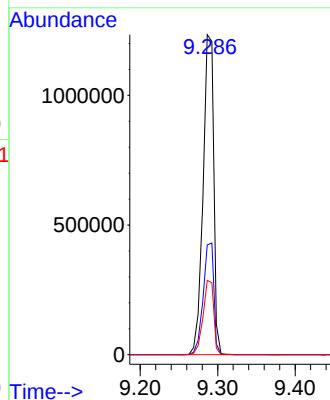
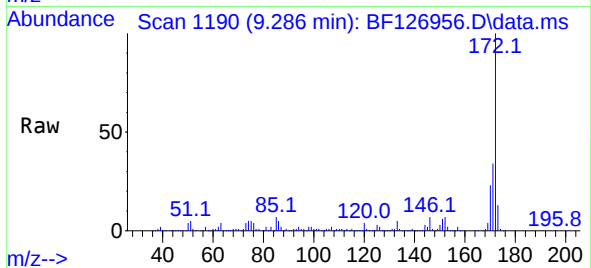
170 23.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#46

1,1'-Biphenyl

Concen: 4.041 ng

RT: 9.386 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

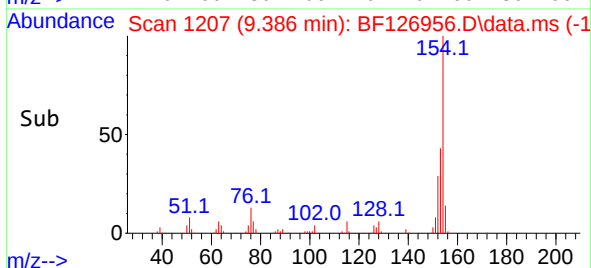
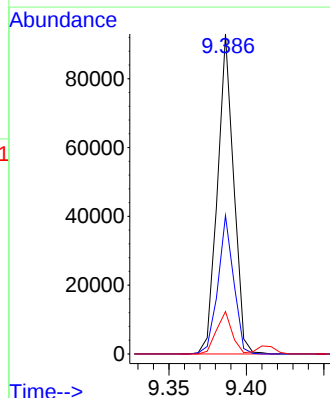
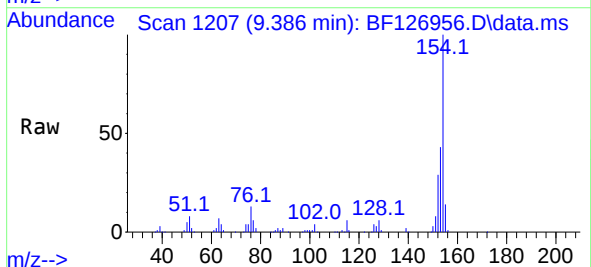
Tgt Ion:154 Resp: 67701

Ion Ratio Lower Upper

154 100

153 43.2 19.0 59.0

76 13.3 0.0 34.5





#47

2-Chloronaphthalene

Concen: 3.895 ng

RT: 9.416 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

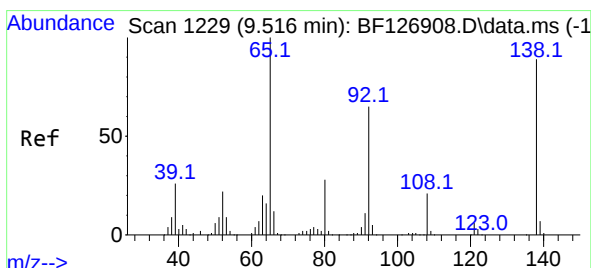
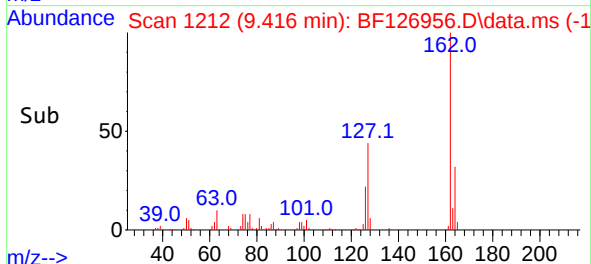
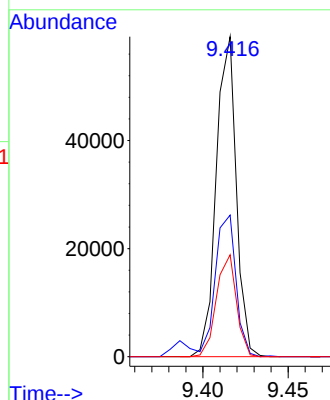
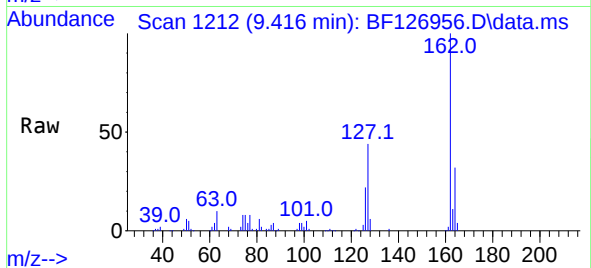
Tgt Ion:162 Resp: 48384

Ion	Ratio	Lower	Upper
162	100		
127	44.2	33.5	50.3
164	31.9	26.2	39.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#48

2-Nitroaniline

Concen: 3.507 ng

RT: 9.504 min Scan# 1227

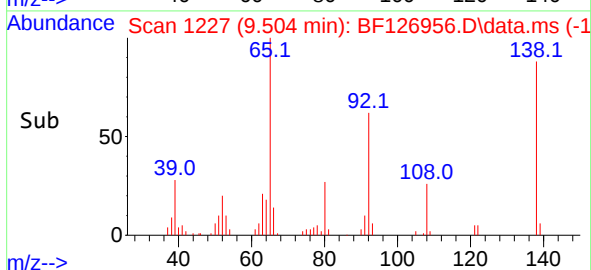
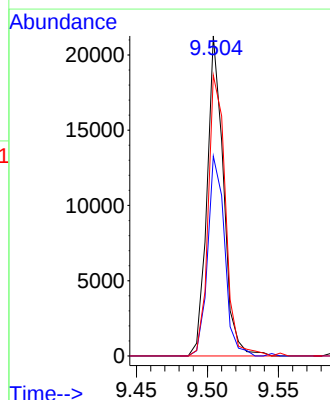
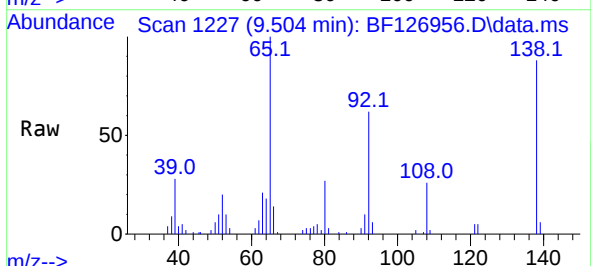
Delta R.T. -0.012 min

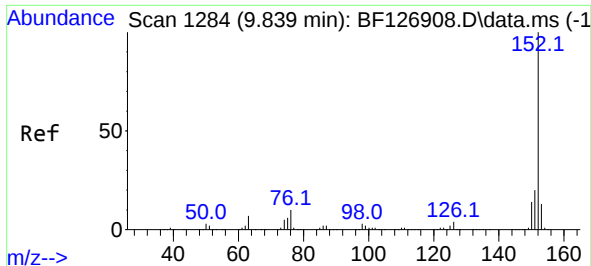
Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Tgt Ion: 65 Resp: 17191

Ion	Ratio	Lower	Upper
65	100		
92	62.5	54.4	81.6
138	87.8	72.5	108.7





#49

Acenaphthylene

Concen: 4.110 ng

RT: 9.828 min Scan# 1282

Delta R.T. -0.012 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

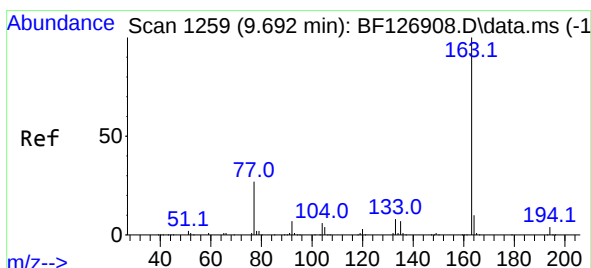
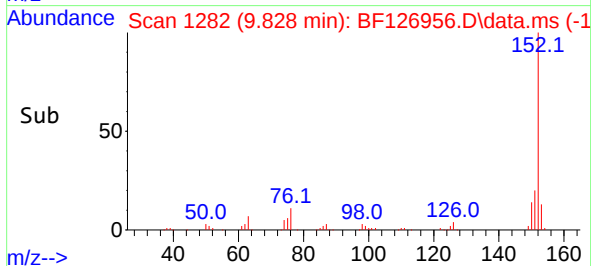
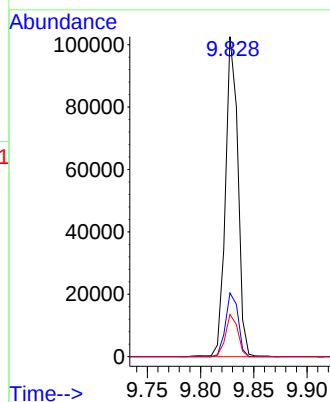
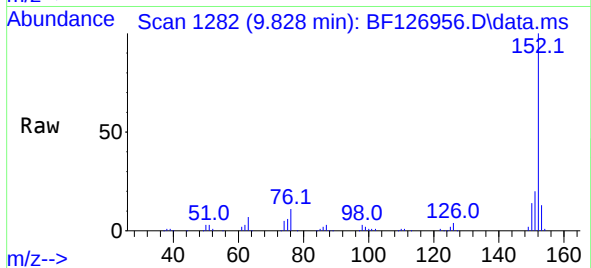
Tgt Ion:152 Resp: 8294

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.2	11.4	17.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#50

Dimethylphthalate

Concen: 3.821 ng

RT: 9.681 min Scan# 1257

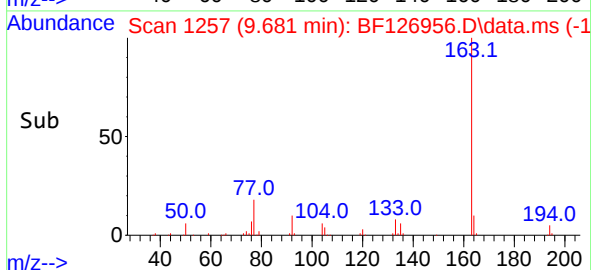
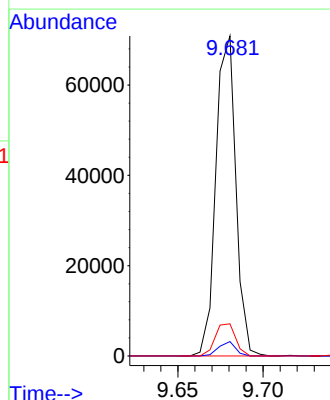
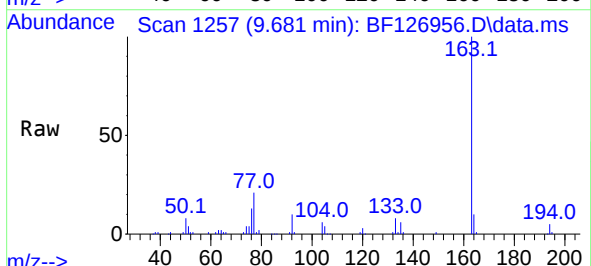
Delta R.T. -0.012 min

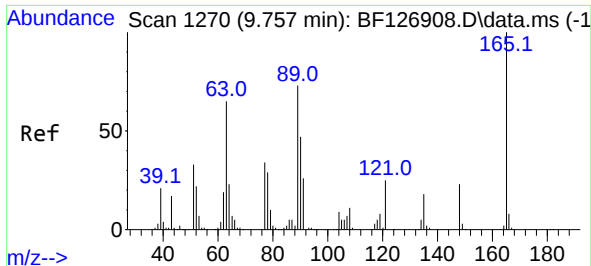
Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Tgt Ion:163 Resp: 57744

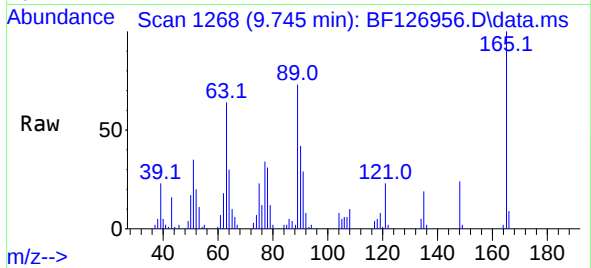
Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.6	3.8
164	10.1	7.8	11.8





#51
2,6-Dinitrotoluene
Concen: 3.771 ng
RT: 9.745 min Scan# 11594
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

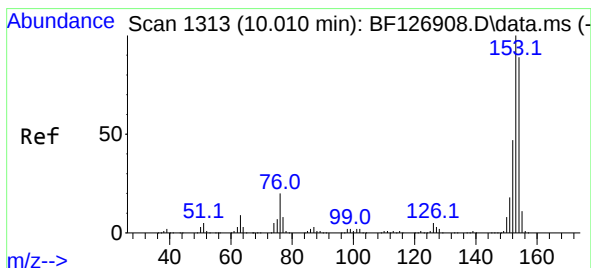
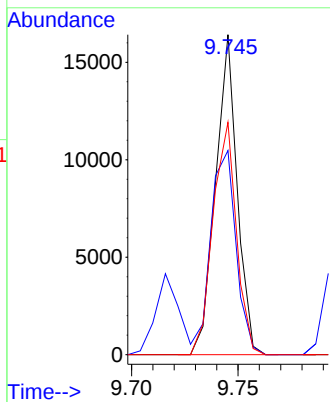
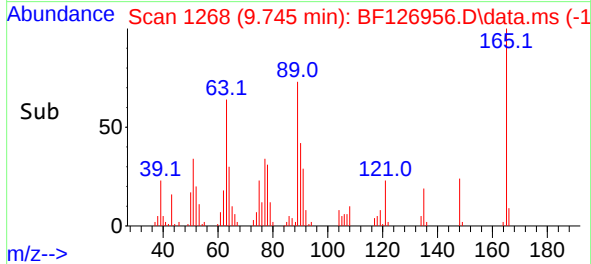
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



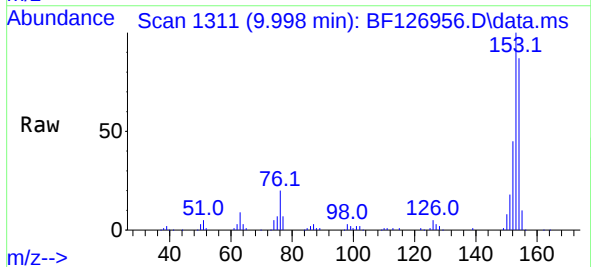
Tgt Ion:165 Resp: 11594
Ion Ratio Lower Upper
165 100
63 63.8 48.4 72.6
89 72.6 50.5 75.7

Manual Integrations
APPROVED

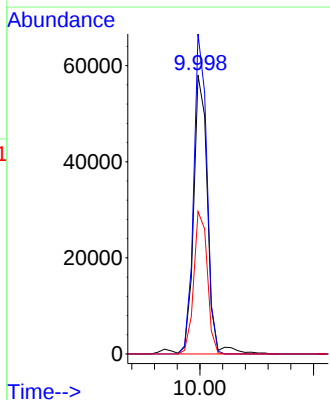
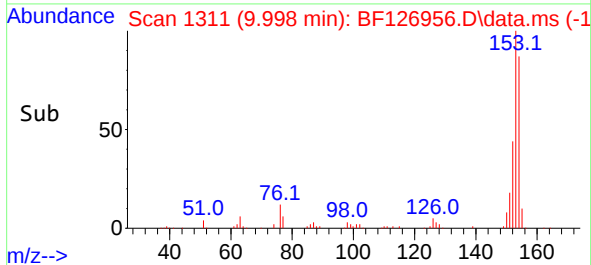
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

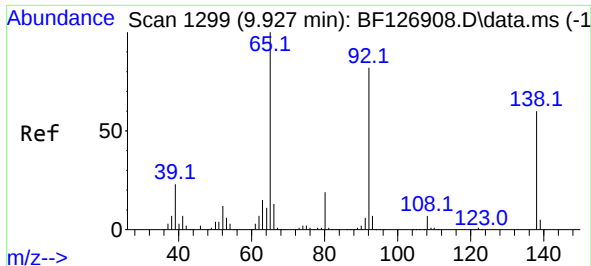


#52
Acenaphthene
Concen: 3.760 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



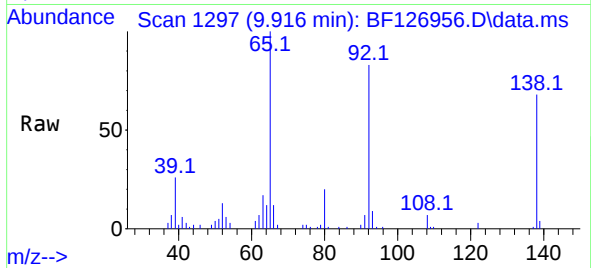
Tgt Ion:154 Resp: 49345
Ion Ratio Lower Upper
154 100
153 114.8 87.8 131.6
152 51.1 39.4 59.2





#53
3-Nitroaniline
Concen: 3.642 ng
RT: 9.916 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

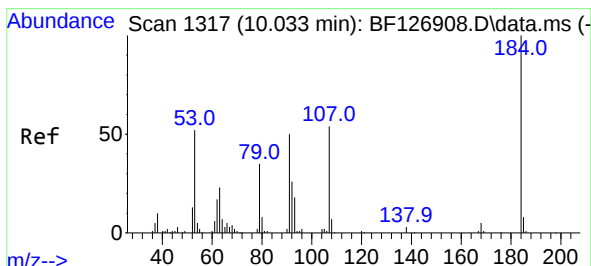
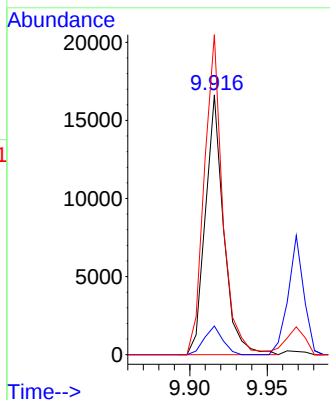
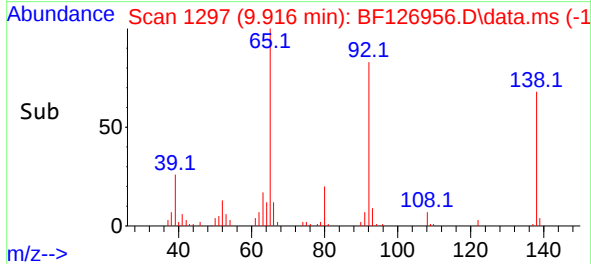
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



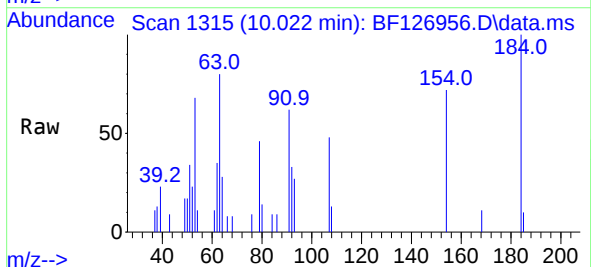
Tgt Ion:138 Resp: 13690
Ion Ratio Lower Upper
138 100
108 11.0 8.6 13.0
92 123.1 105.0 157.6

Manual Integrations
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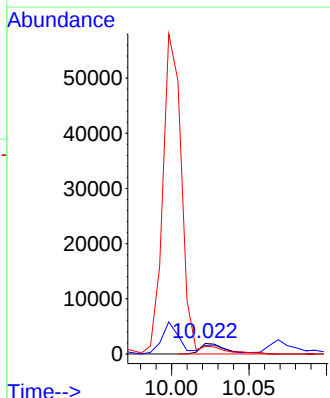
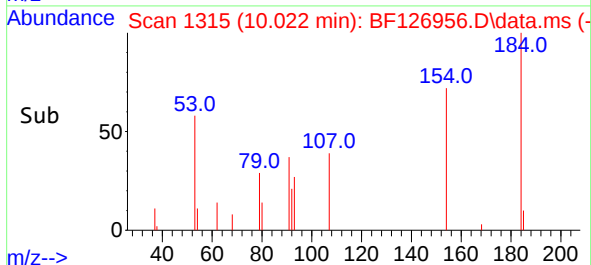
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

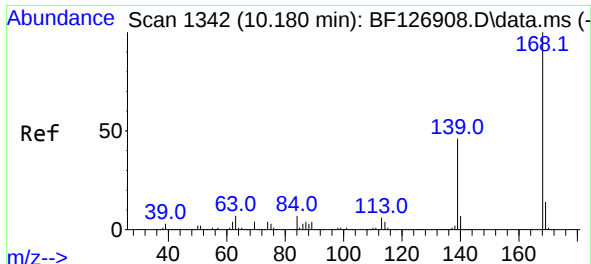


#54
2,4-Dinitrophenol
Concen: 1.374 ng
RT: 10.022 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



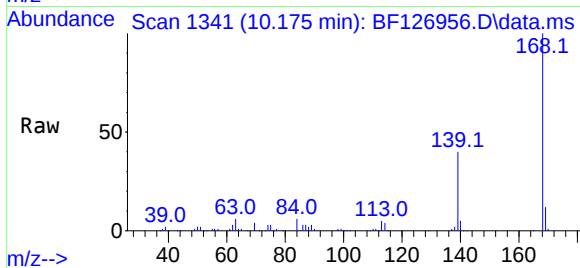
Tgt Ion:184 Resp: 2236
Ion Ratio Lower Upper
184 100
63 80.2 70.4 105.6
154 72.1 49.7 74.5





#55
Dibenzofuran
Concen: 3.945 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

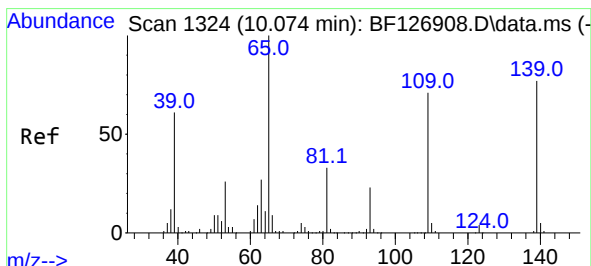
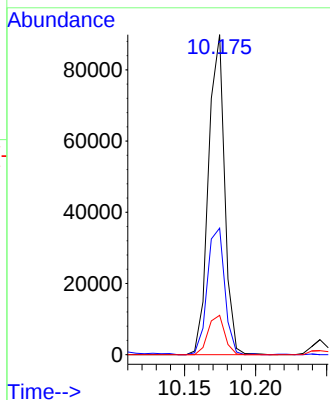
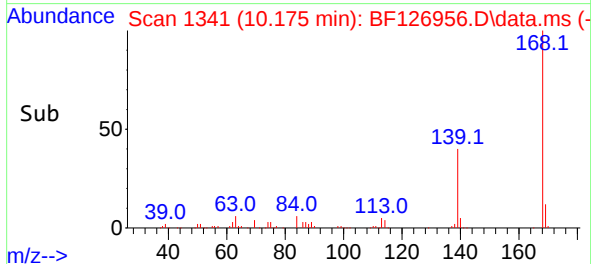
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



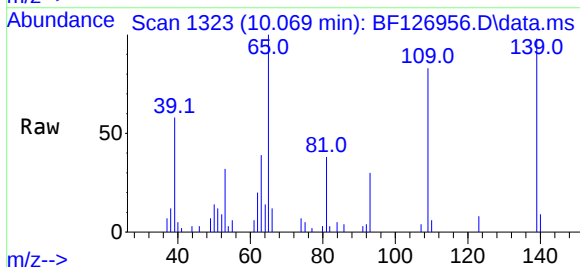
Tgt Ion:168 Resp: 71180
Ion Ratio Lower Upper
168 100
139 39.5 30.6 46.0
169 12.3 10.0 15.0

Manual Integrations
APPROVED

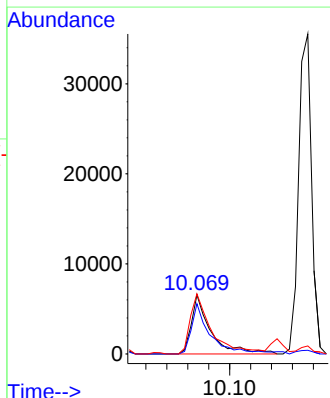
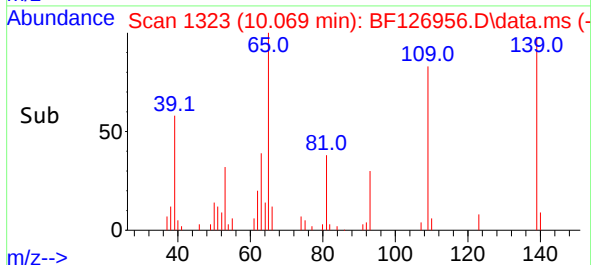
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

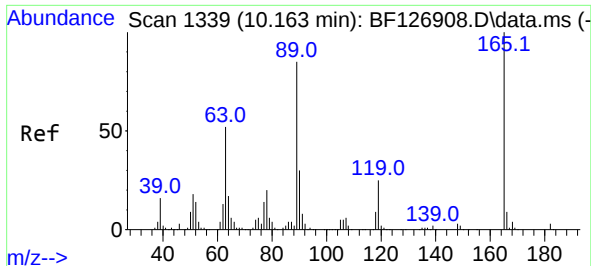


#56
4-Nitrophenol
Concen: 3.020 ng m
RT: 10.069 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



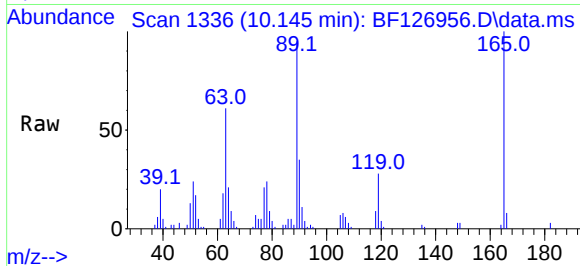
Tgt Ion:139 Resp: 8383
Ion Ratio Lower Upper
139 100
109 85.0 44.1 84.1#
65 101.9 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 3.757 ng
RT: 10.145 min Scan# 1336
Delta R.T. -0.017 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

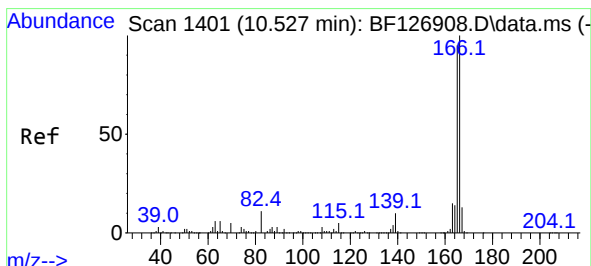
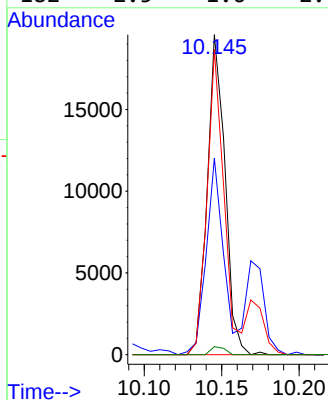
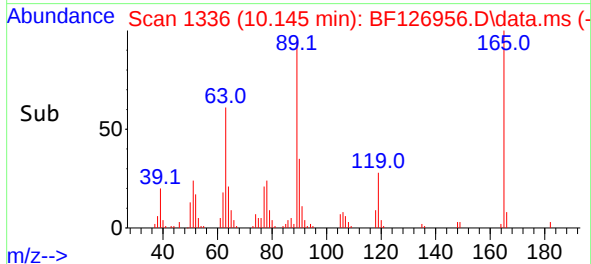
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



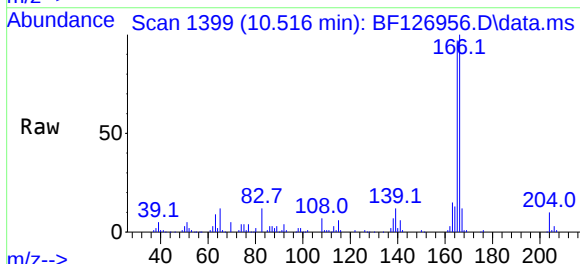
Tgt Ion:165 Resp: 15619
Ion Ratio Lower Upper
165 100
63 61.5 43.0 64.6
89 95.3 71.0 106.4
182 2.5 1.6 2.4#

Manual Integrations
APPROVED

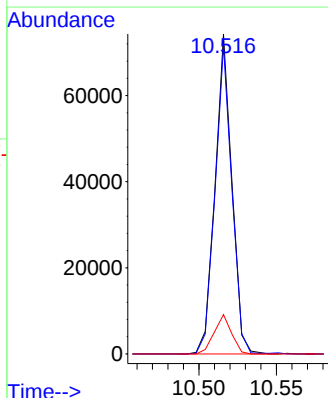
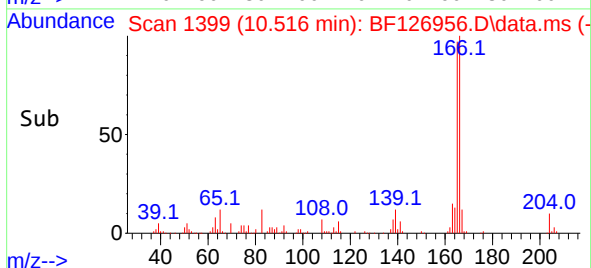
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

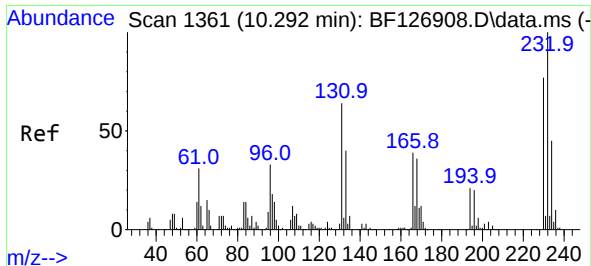


#58
Fluorene
Concen: 3.985 ng
RT: 10.516 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



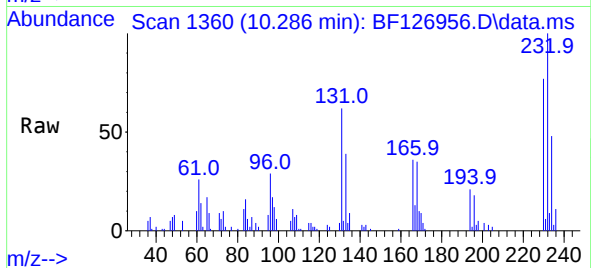
Tgt Ion:166 Resp: 56015
Ion Ratio Lower Upper
166 100
165 96.5 77.7 116.5
167 12.3 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.560 ng
RT: 10.286 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

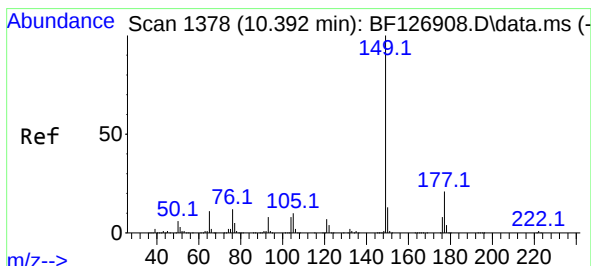
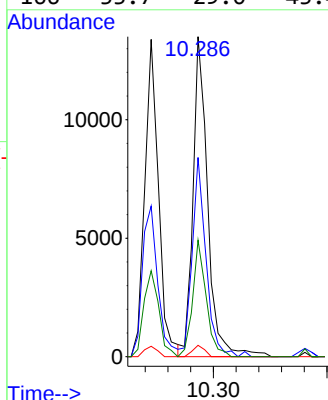
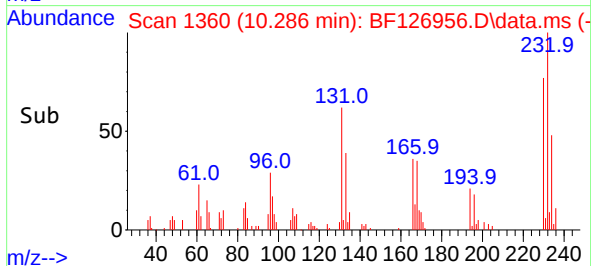
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



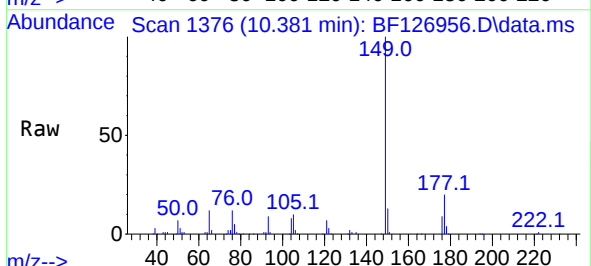
Tgt Ion:232 Resp: 12124
Ion Ratio Lower Upper
232 100
131 58.9 50.0 75.0
130 2.9 2.2 3.2
166 33.7 29.0 43.4

Manual Integrations
APPROVED

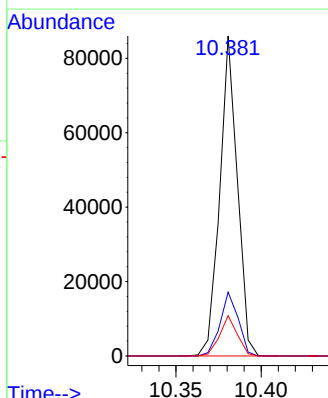
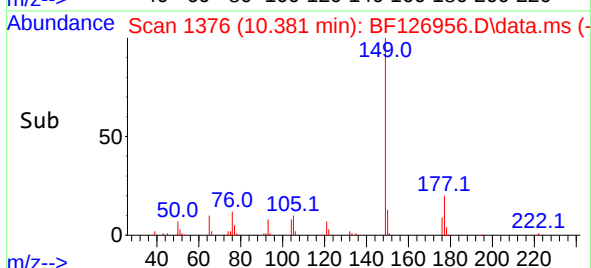
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

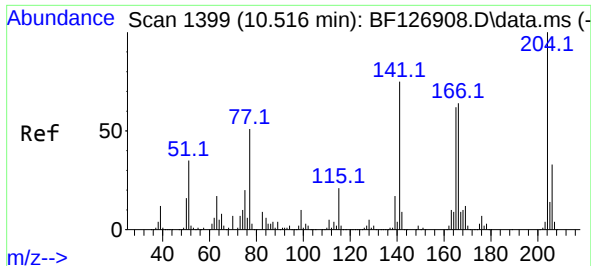


#60
Diethylphthalate
Concen: 3.914 ng
RT: 10.381 min Scan# 1376
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



Tgt Ion:149 Resp: 61815
Ion Ratio Lower Upper
149 100
177 20.0 16.7 25.1
150 12.6 9.8 14.8





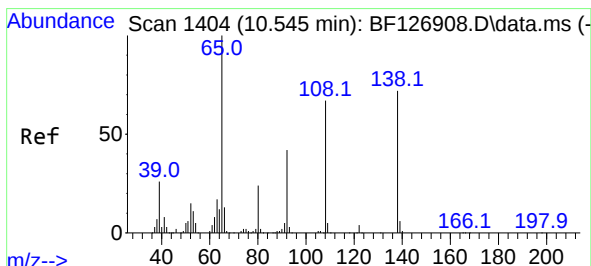
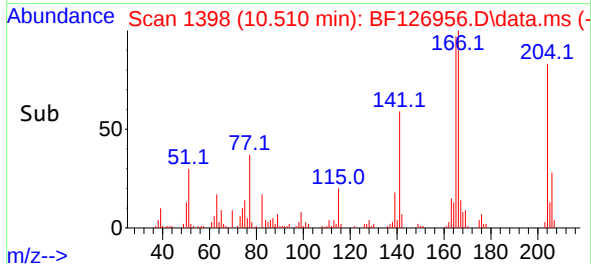
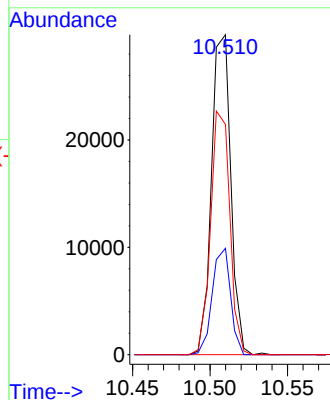
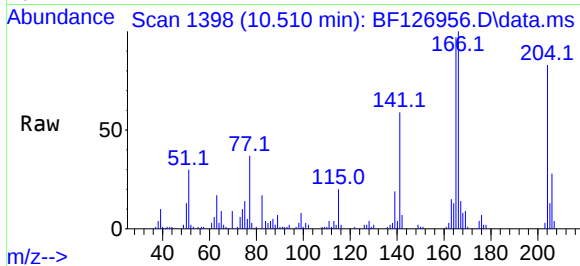
#61
4-Chlorophenyl-phenylether
Concen: 3.906 ng
RT: 10.510 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

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

Tgt Ion:204 Resp: 2588
Ion Ratio Lower Upper
204 100
206 33.3 26.3 39.5
141 71.9 59.0 88.6

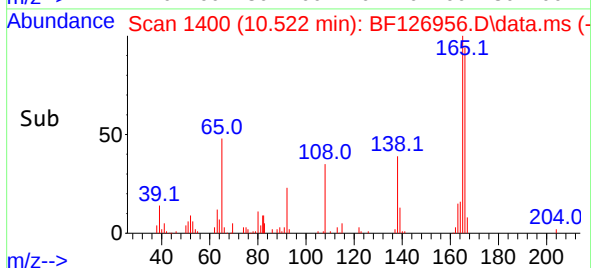
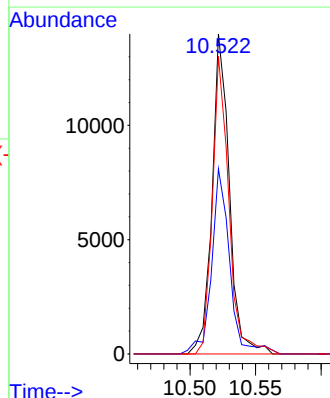
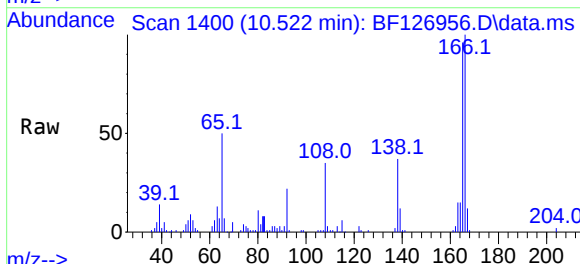
Manual Integrations
APPROVED

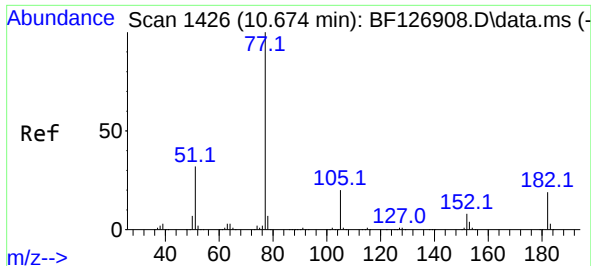
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#62
4-Nitroaniline
Concen: 3.456 ng
RT: 10.522 min Scan# 1400
Delta R.T. -0.023 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

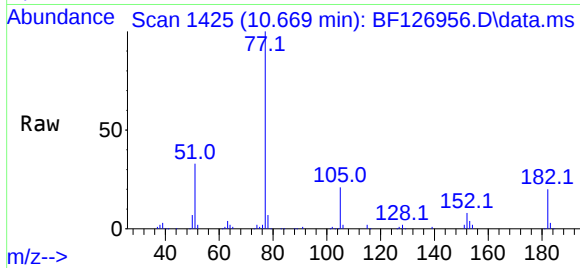
Tgt Ion:138 Resp: 12826
Ion Ratio Lower Upper
138 100
92 57.8 36.2 76.2
108 93.0 46.7 86.7#





#63
Azobenzene
Concen: 3.700 ng
RT: 10.669 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

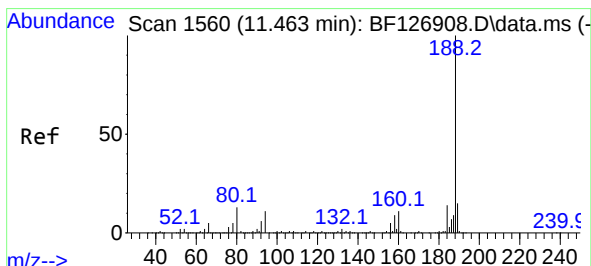
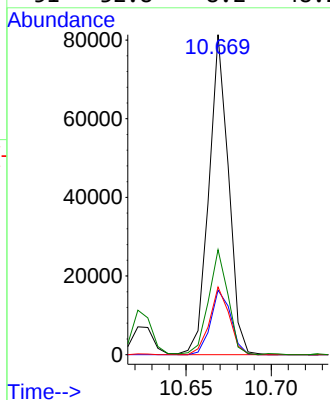
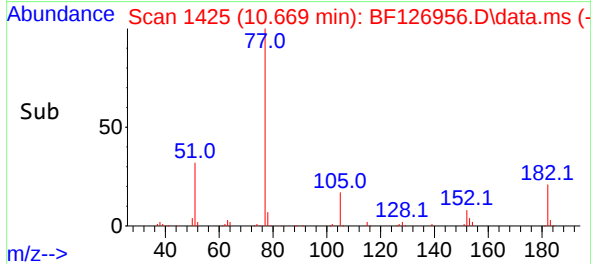
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



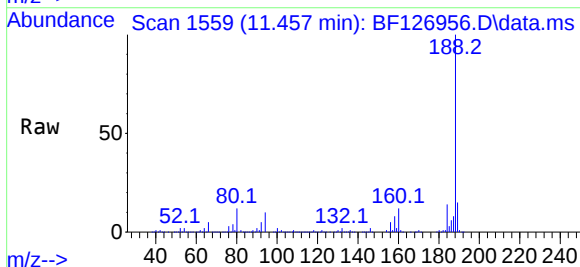
Tgt Ion: 77 Resp: 6505
Ion Ratio Lower Upper
77 100
182 20.1 0.0 39.0
105 21.1 3.2 43.2
51 32.8 8.2 48.2

Manual Integrations
APPROVED

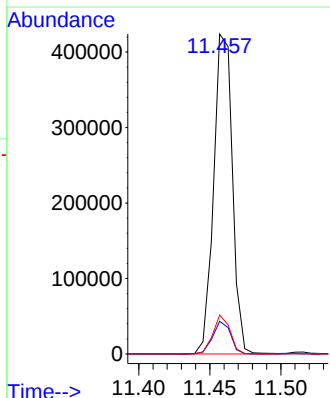
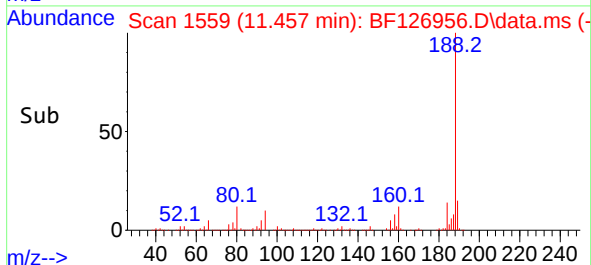
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

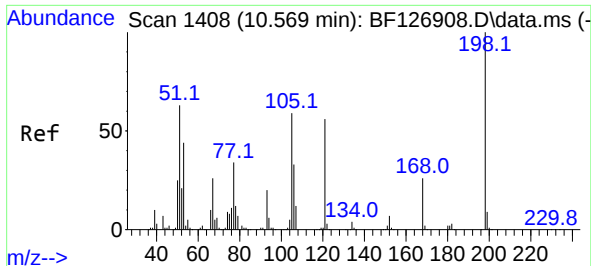


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



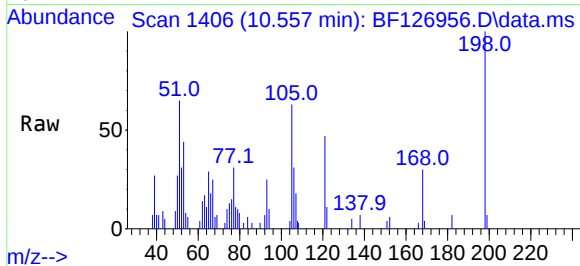
Tgt Ion:188 Resp: 388359
Ion Ratio Lower Upper
188 100
94 10.2 10.1 15.1
80 12.2 11.8 17.6





#65
4,6-Dinitro-2-methylphenol
Concen: 2.099 ng
RT: 10.557 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

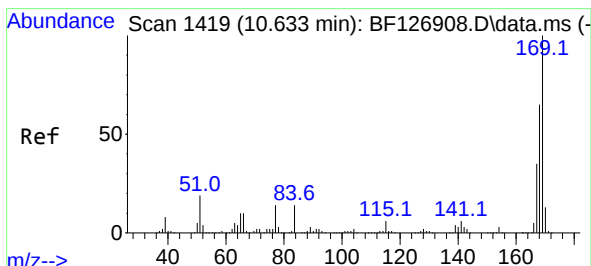
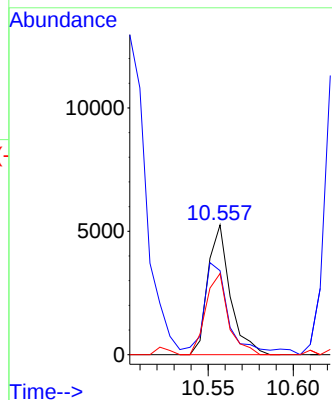
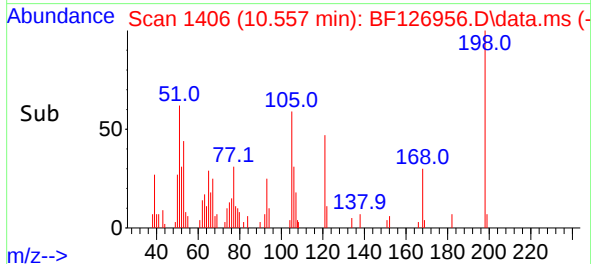
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



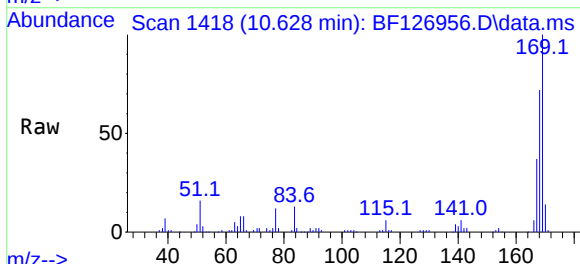
Tgt Ion:198 Resp: 4790
Ion Ratio Lower Upper
198 100
51 64.7 32.0 72.0
105 62.6 32.7 72.7

Manual Integrations
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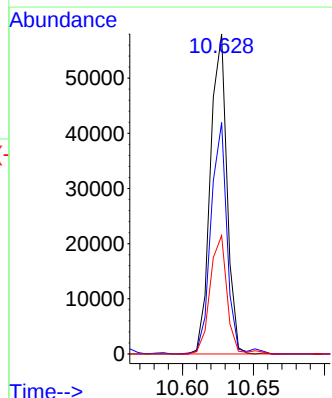
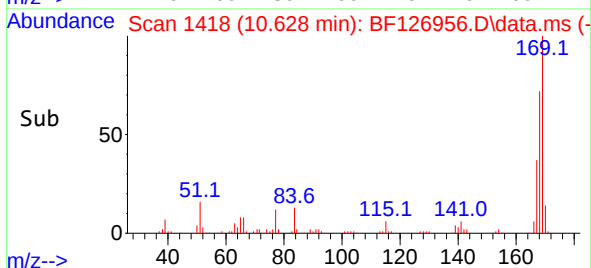
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

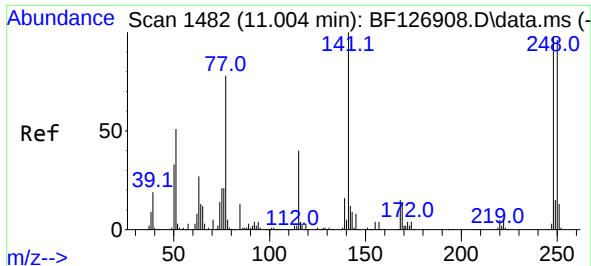


#66
n-Nitrosodiphenylamine
Concen: 3.708 ng
RT: 10.628 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



Tgt Ion:169 Resp: 47221
Ion Ratio Lower Upper
169 100
168 72.3 53.4 80.0
167 37.0 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 3.652 ng

RT: 10.998 min Scan# 1481

Delta R.T. -0.006 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

Tgt Ion:248 Resp: 1584

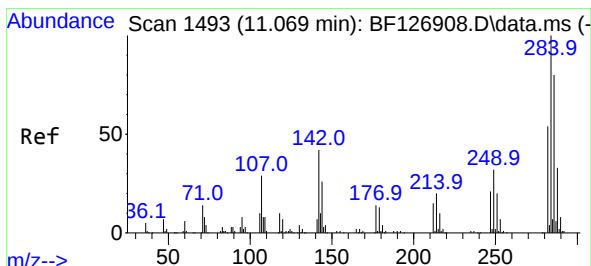
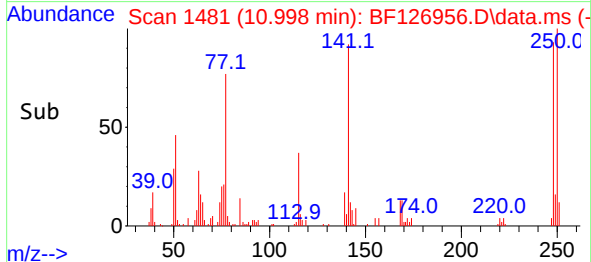
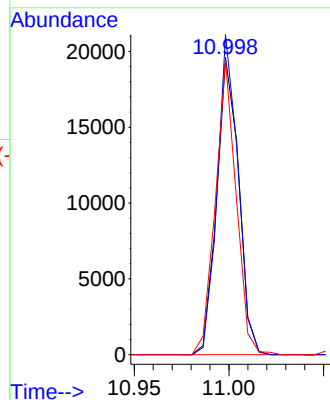
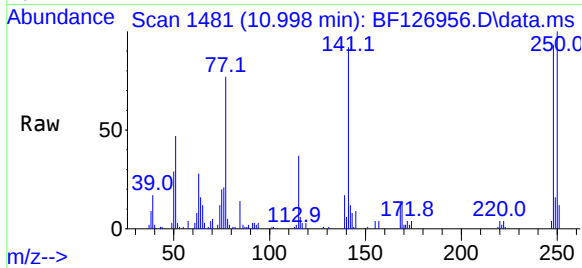
Ion	Ratio	Lower	Upper
248	100		
250	107.7	76.2	114.4
141	99.4	66.2	99.4

Manual Integrations

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Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#68

Hexachlorobenzene

Concen: 3.942 ng

RT: 11.063 min Scan# 1492

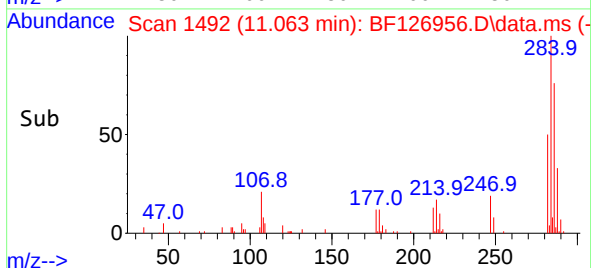
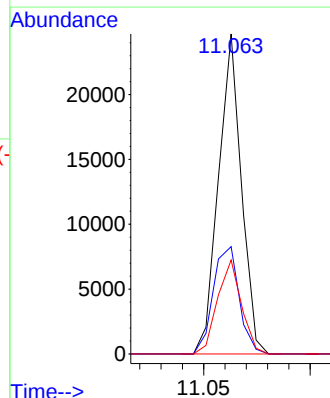
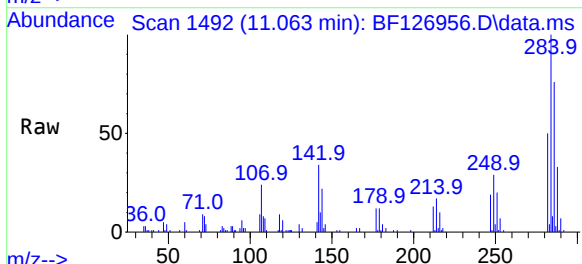
Delta R.T. -0.006 min

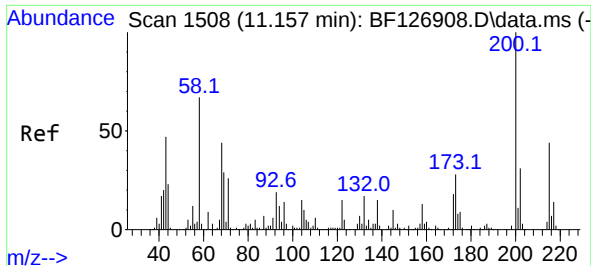
Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Tgt Ion:284 Resp: 18415

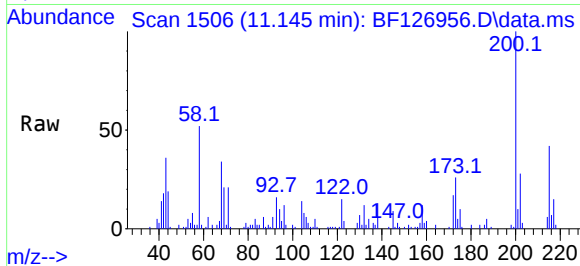
Ion	Ratio	Lower	Upper
284	100		
142	33.6	30.7	46.1
249	29.3	21.1	31.7





#69
Atrazine
Concen: 4.110 ng
RT: 11.145 min Scan# 1506
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

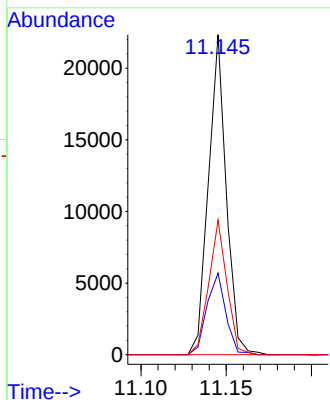
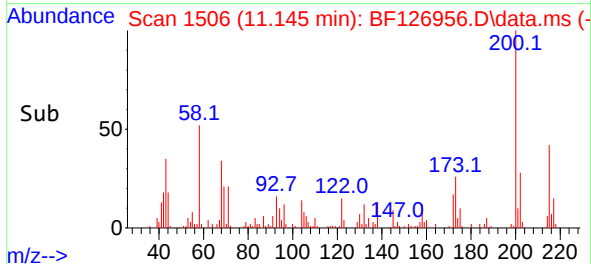
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



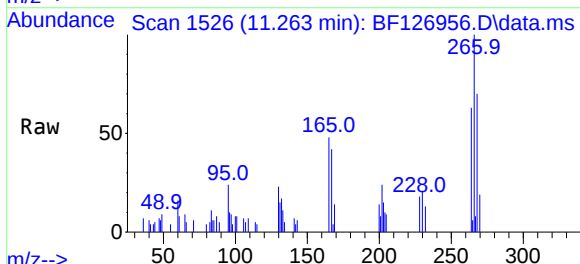
Tgt Ion:200 Resp: 1623
Ion Ratio Lower Upper
200 100
173 25.5 9.2 49.2
215 42.0 23.2 63.2

Manual Integrations
APPROVED

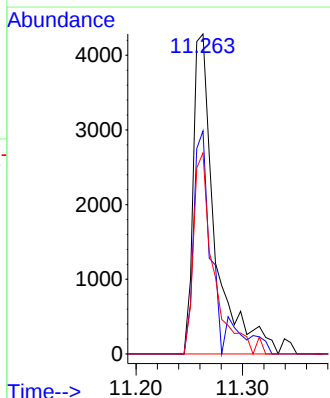
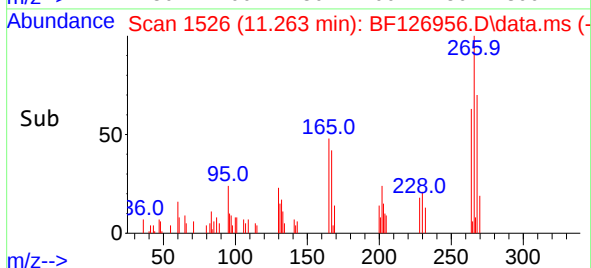
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

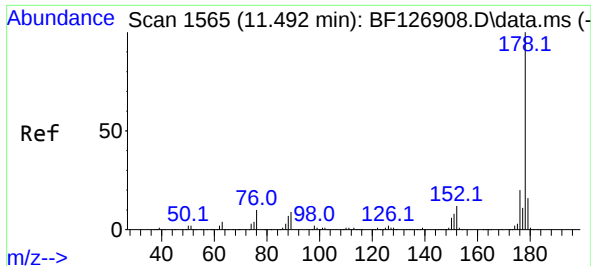


#70
Pentachlorophenol
Concen: 2.389 ng
RT: 11.263 min Scan# 1526
Delta R.T. 0.000 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



Tgt Ion:266 Resp: 6093
Ion Ratio Lower Upper
266 100
268 69.7 52.3 78.5
264 62.9 50.4 75.6





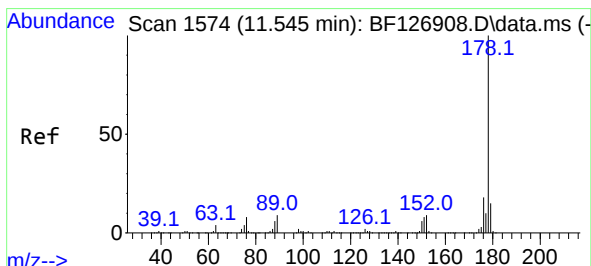
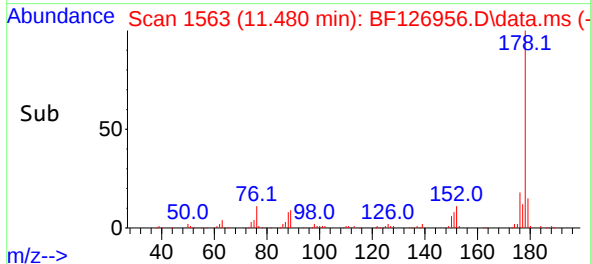
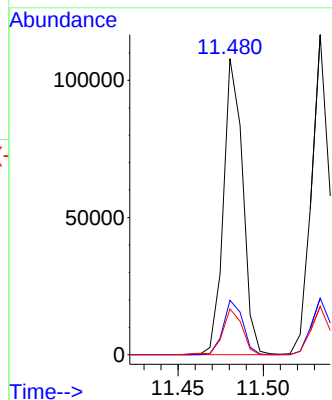
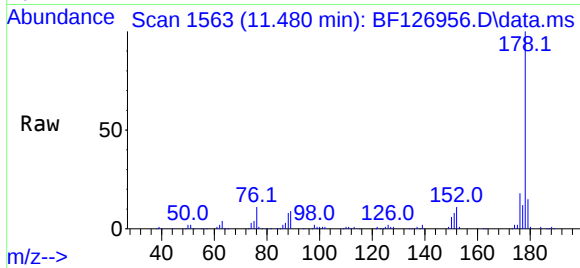
#71
Phenanthrene
Concen: 3.897 ng
RT: 11.480 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

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

Tgt Ion:178 Resp: 8471
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 15.5 12.3 18.5

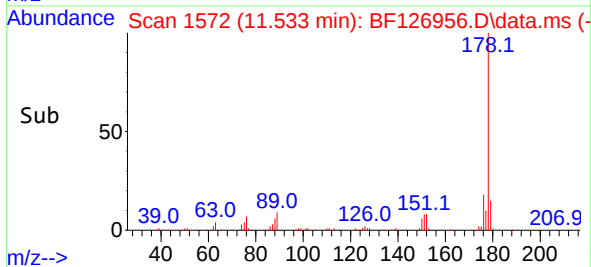
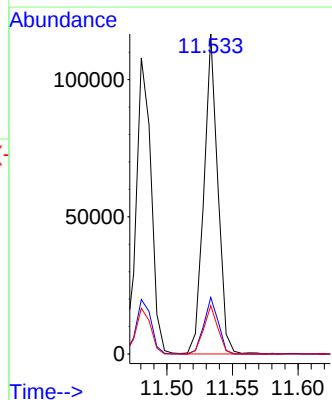
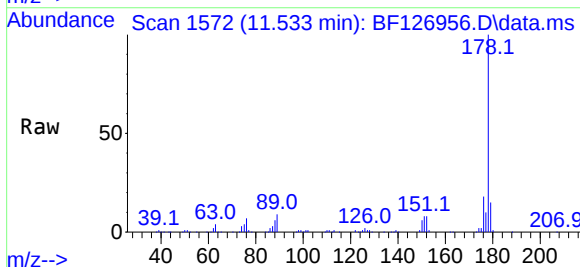
Manual Integrations
APPROVED

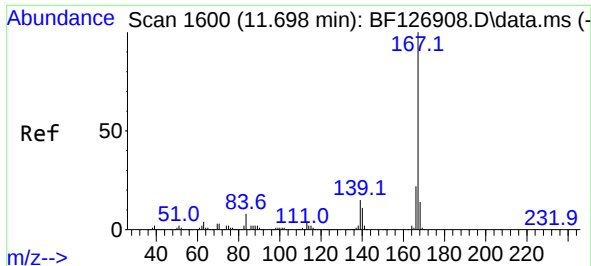
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#72
Anthracene
Concen: 3.995 ng
RT: 11.533 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

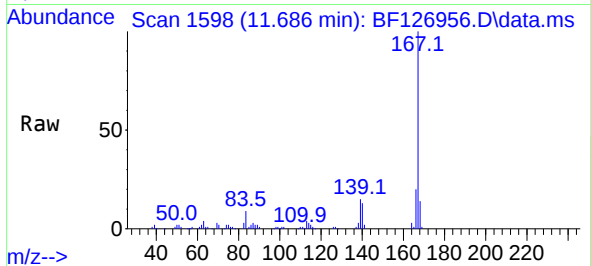
Tgt Ion:178 Resp: 86451
Ion Ratio Lower Upper
178 100
176 17.6 15.0 22.6
179 15.1 12.5 18.7





#73
 Carbazole
 Concen: 3.696 ng
 RT: 11.686 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126956.D
 Acq: 18 Feb 2022 17:08

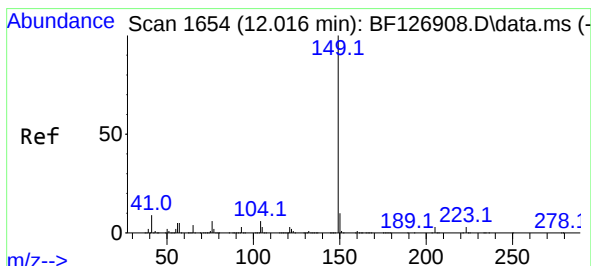
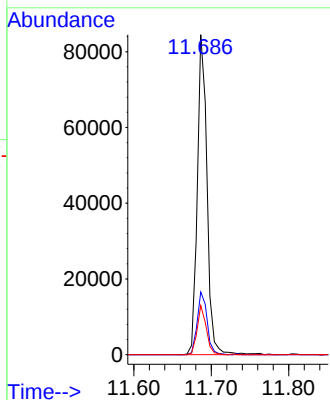
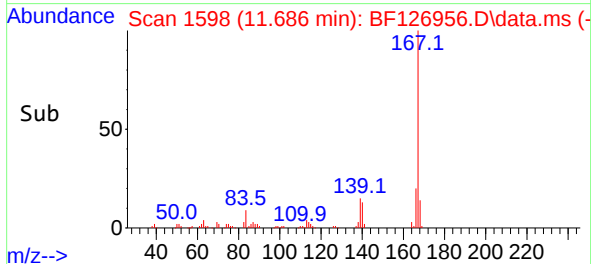
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021



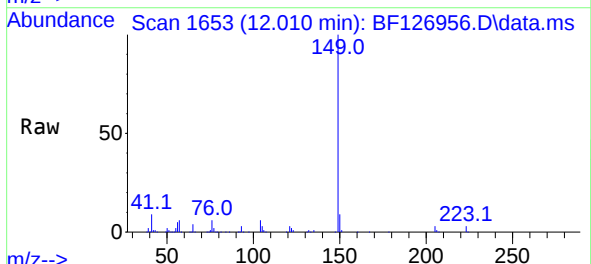
Tgt Ion:167 Resp: 73354
 Ion Ratio Lower Upper
 167 100
 166 19.6 16.9 25.3
 139 15.4 11.3 16.9

Manual Integrations
 APPROVED

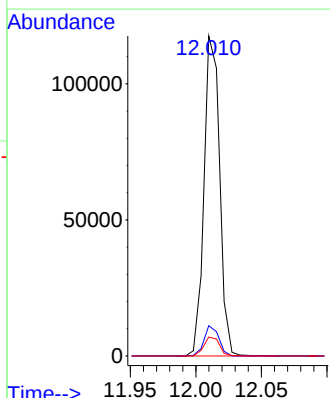
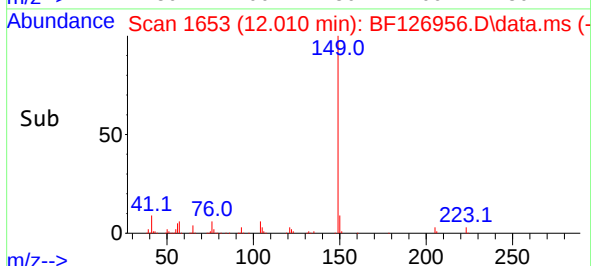
Reviewed By :Christian Giraldo 02/21/2022
 Supervised By :Jagrut Upadhyay 02/21/2022

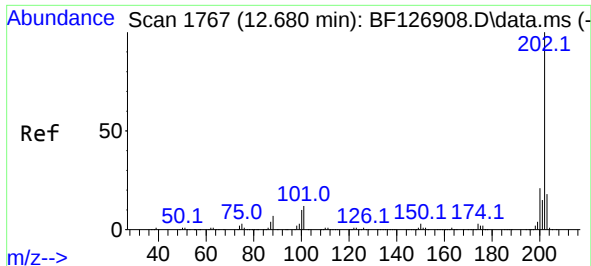


#74
 Di-n-butylphthalate
 Concen: 3.831 ng
 RT: 12.010 min Scan# 1653
 Delta R.T. -0.006 min
 Lab File: BF126956.D
 Acq: 18 Feb 2022 17:08



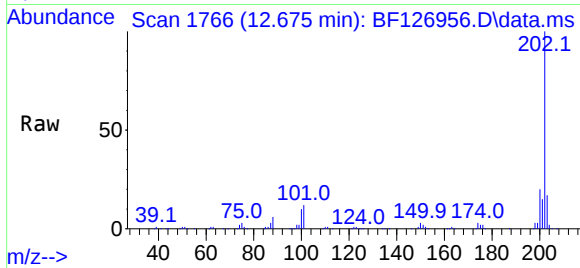
Tgt Ion:149 Resp: 97731
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.2 10.8
 104 5.9 4.2 6.2





#75
Fluoranthene
Concen: 3.990 ng
RT: 12.675 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

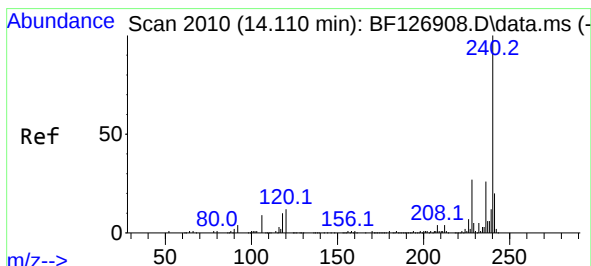
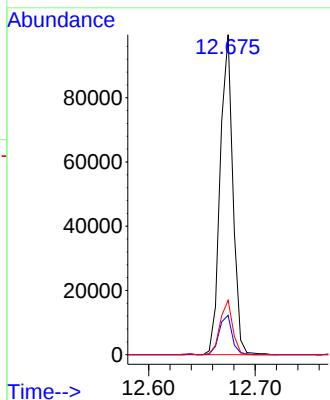
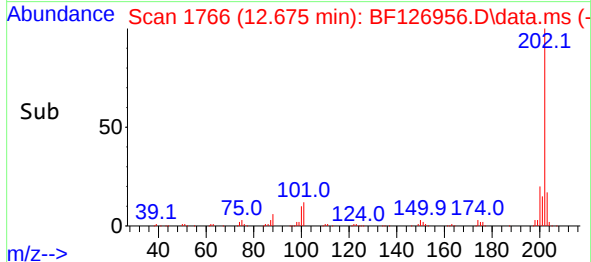
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



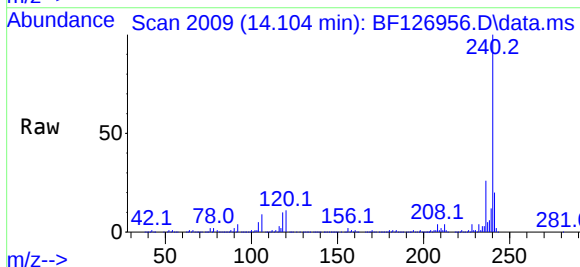
Tgt Ion:202 Resp: 82358
Ion Ratio Lower Upper
202 100
101 12.3 0.0 35.7
203 17.0 0.0 37.1

Manual Integrations
APPROVED

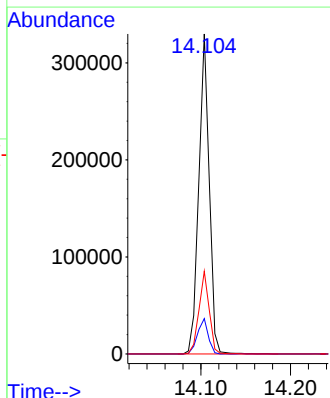
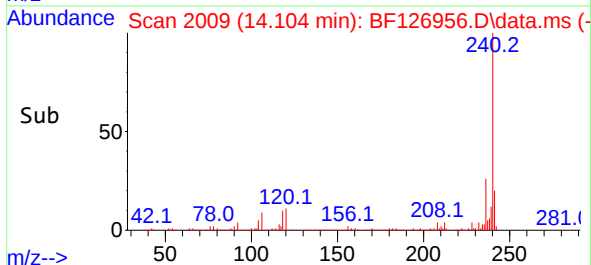
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



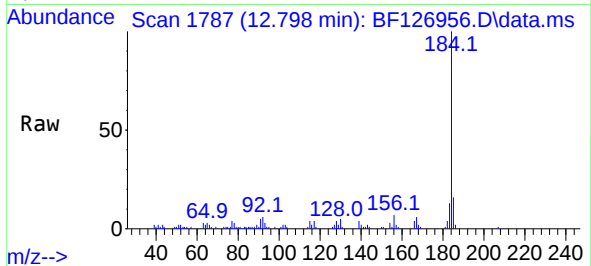
Tgt Ion:240 Resp: 265955
Ion Ratio Lower Upper
240 100
120 11.1 14.4 21.6#
236 25.9 20.5 30.7





#77
Benzidine
Concen: 4.398 ng
RT: 12.798 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

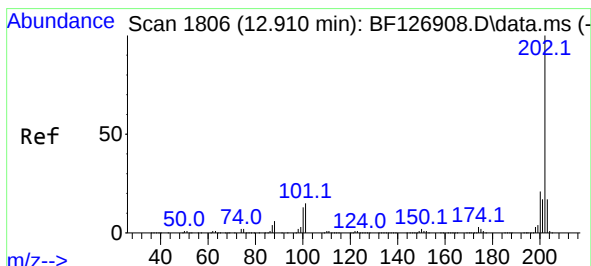
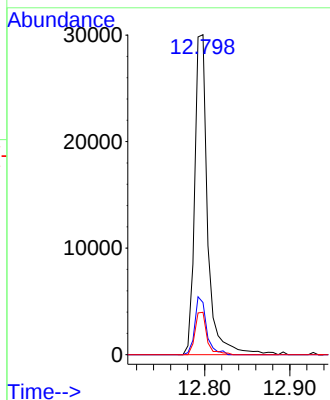
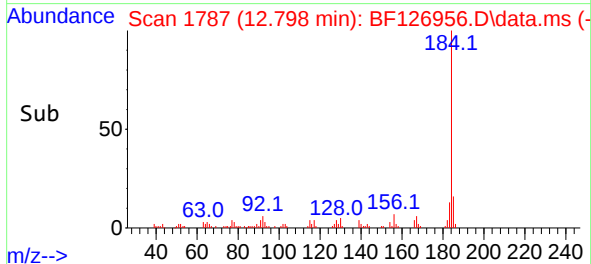
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



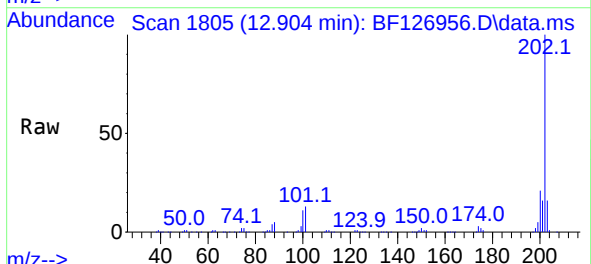
Tgt Ion:184 Resp: 31784
Ion Ratio Lower Upper
184 100
185 16.3 11.8 17.8
183 13.3 8.2 12.2

Manual Integrations
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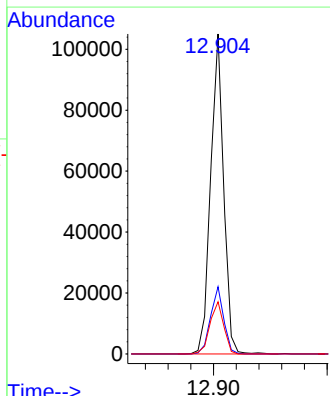
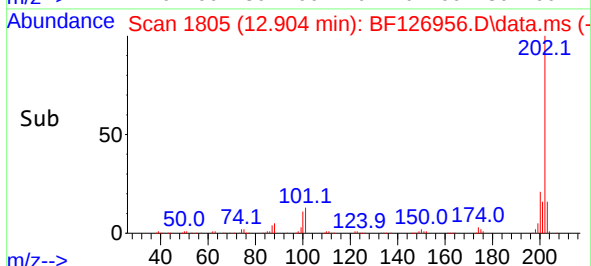
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#78
Pyrene
Concen: 3.602 ng
RT: 12.904 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



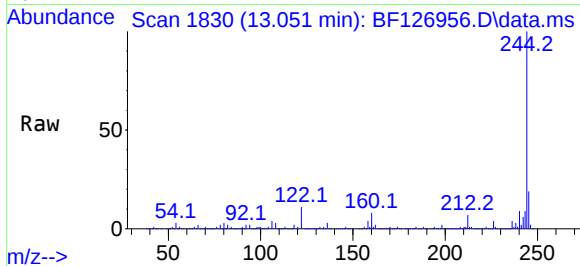
Tgt Ion:202 Resp: 83226
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 16.3 13.8 20.8





#79
Terphenyl-d14
Concen: 77.666 ng
RT: 13.051 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

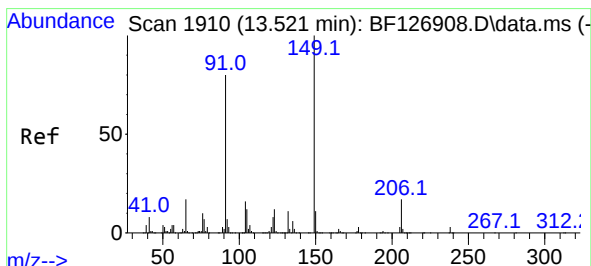
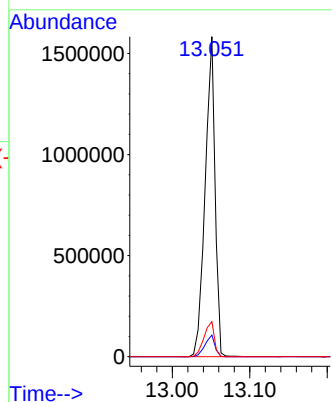
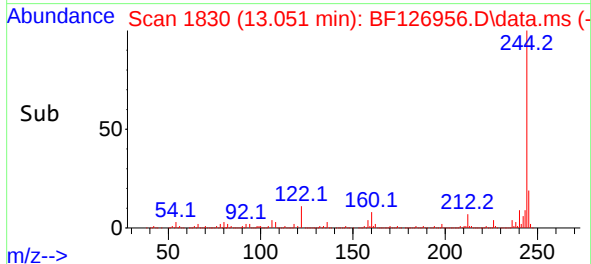
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



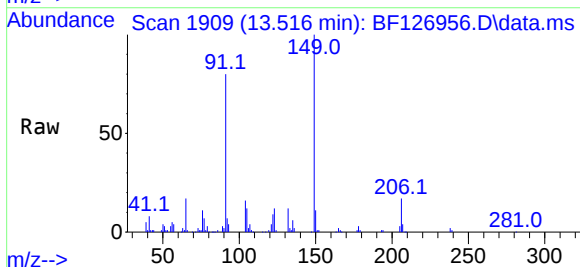
Tgt Ion:244 Resp: 140510
Ion Ratio Lower Upper
244 100
212 6.7 5.0 7.4
122 10.9 13.3 19.9

Manual Integrations
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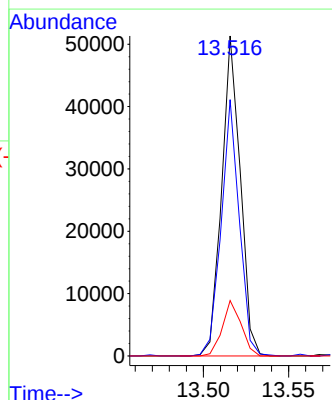
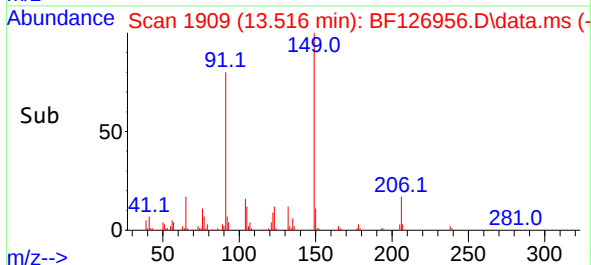
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

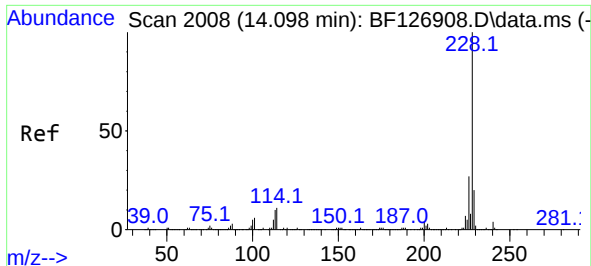


#80
Butylbenzylphthalate
Concen: 3.571 ng
RT: 13.516 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



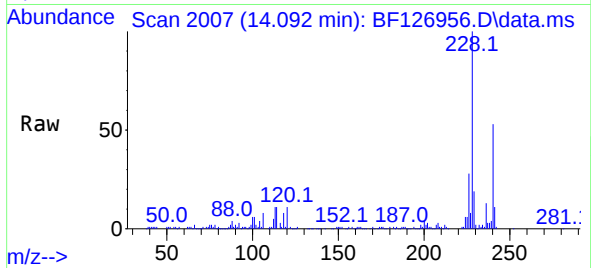
Tgt Ion:149 Resp: 39062
Ion Ratio Lower Upper
149 100
91 80.1 70.5 105.7
206 17.3 12.6 19.0





#81
Benzo(a)anthracene
Concen: 3.728 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

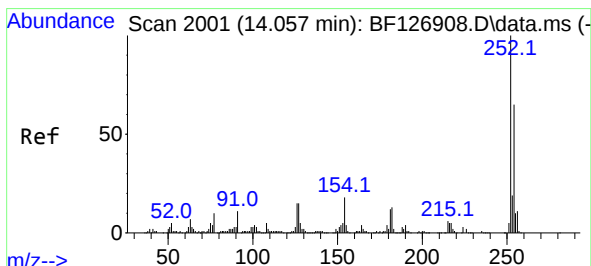
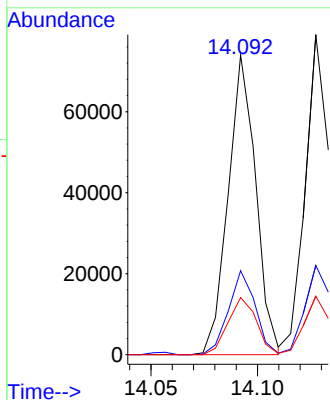
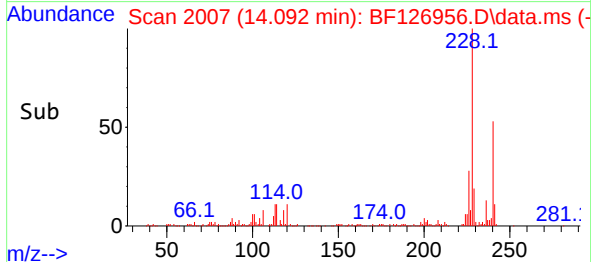
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



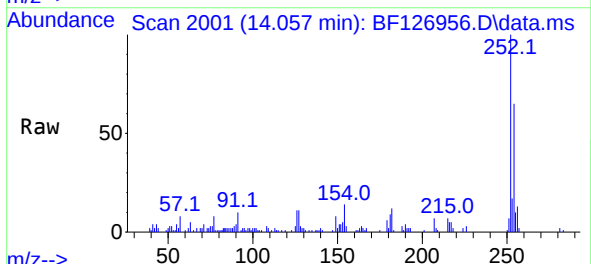
Tgt Ion:228 Resp: 66850
Ion Ratio Lower Upper
228 100
226 28.0 21.4 32.0
229 19.1 15.4 23.2

Manual Integrations
APPROVED

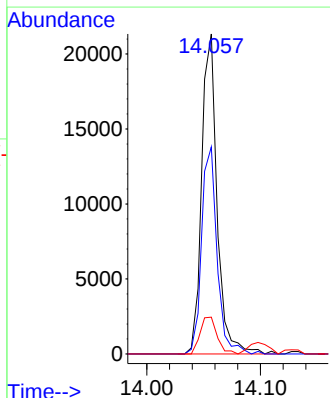
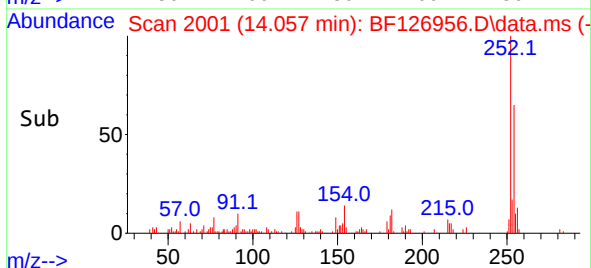
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

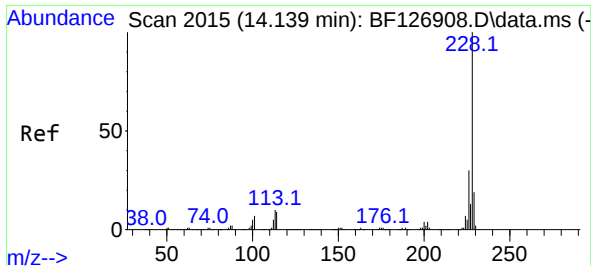


#82
3,3'-Dichlorobenzidine
Concen: 3.568 ng
RT: 14.057 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



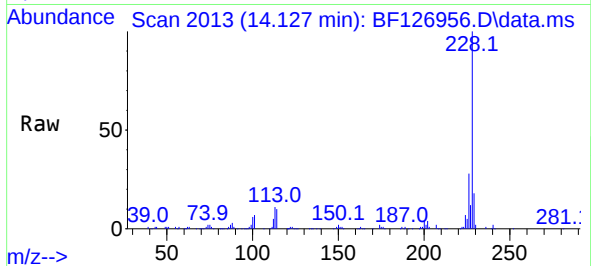
Tgt Ion:252 Resp: 20160
Ion Ratio Lower Upper
252 100
254 64.7 51.0 76.4
126 11.5 13.4 20.0#





#83
Chrysene
Concen: 3.800 ng
RT: 14.127 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

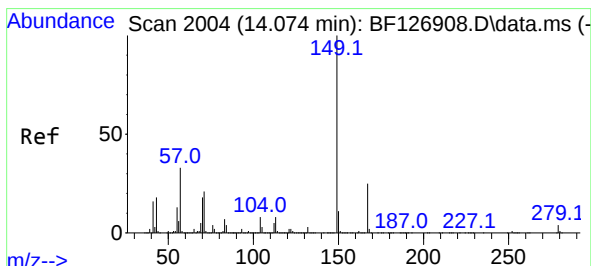
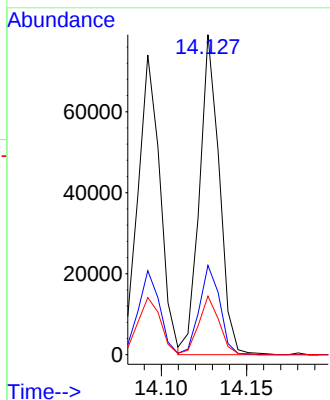
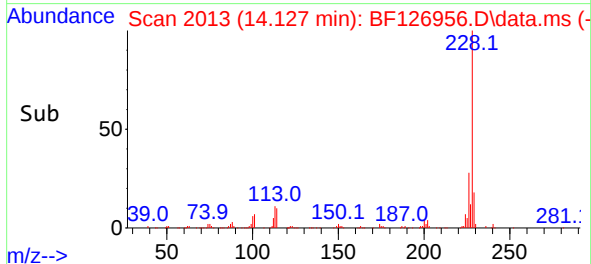
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT4-2021



Tgt Ion:228 Resp: 64070
Ion Ratio Lower Upper
228 100
226 27.9 23.7 35.5
229 18.3 15.5 23.3

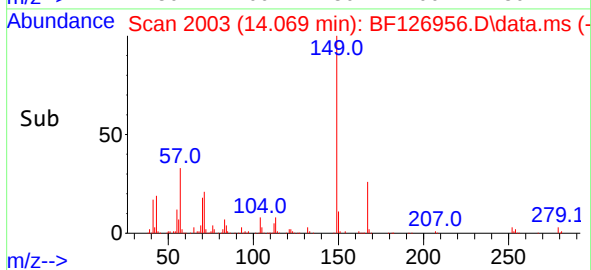
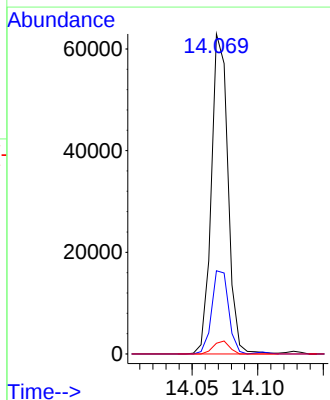
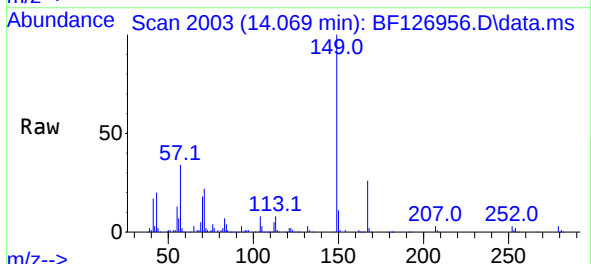
Manual Integrations
APPROVED

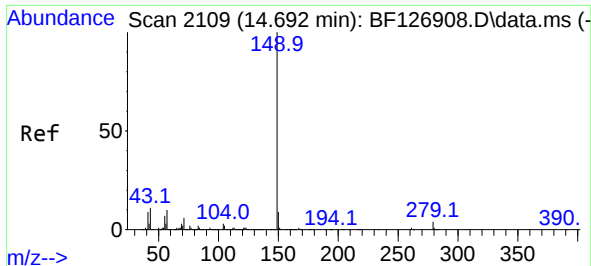
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.866 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

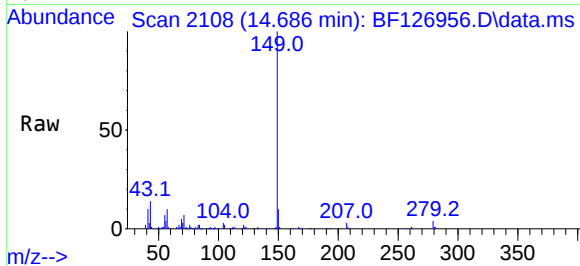
Tgt Ion:149 Resp: 55513
Ion Ratio Lower Upper
149 100
167 26.0 21.4 32.2
279 3.3 2.4 3.6





#85
Di-n-octyl phthalate
Concen: 3.948 ng
RT: 14.686 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

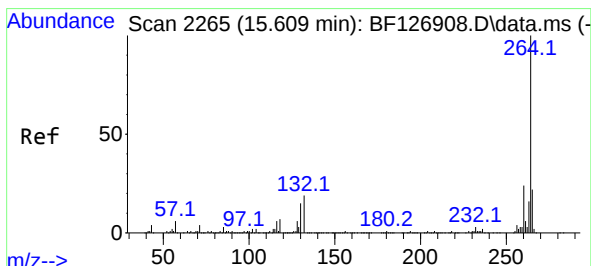
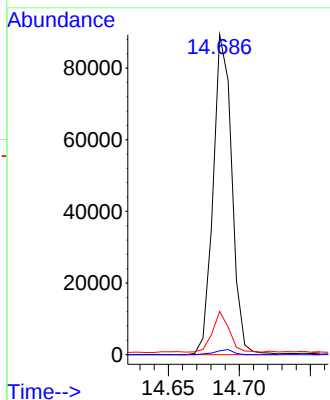
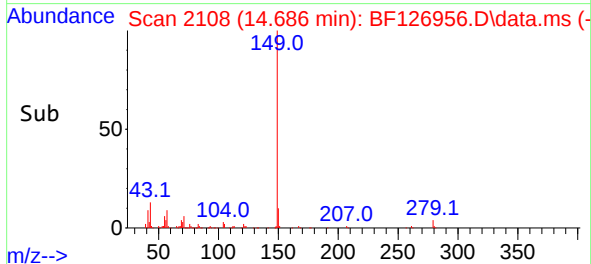
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



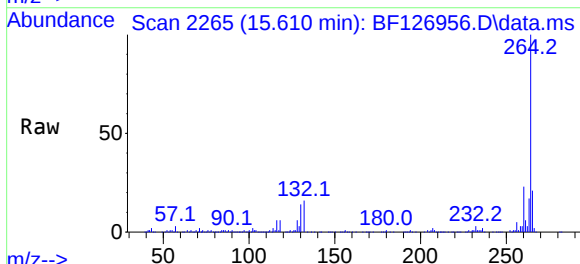
Tgt Ion:149 Resp: 81629
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.4 9.9 14.9

Manual Integrations
APPROVED

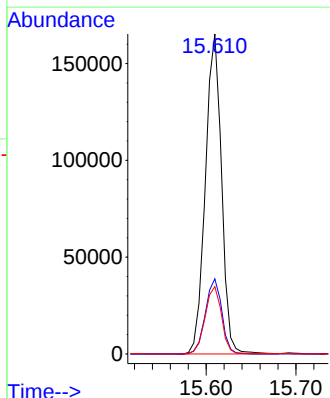
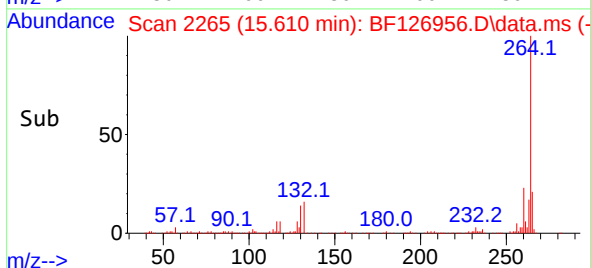
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

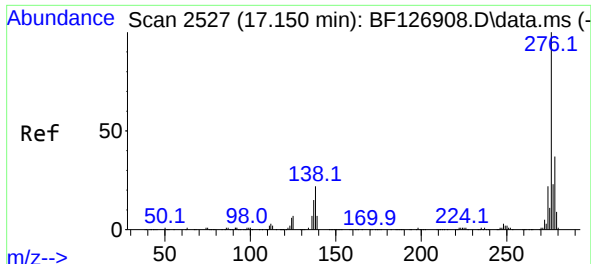


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.610 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



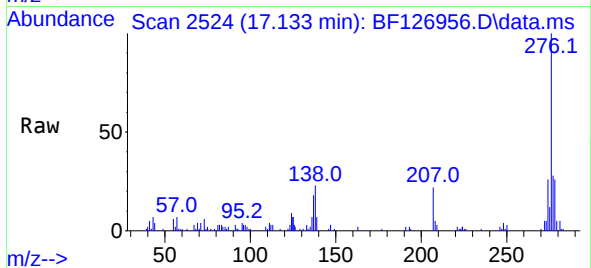
Tgt Ion:264 Resp: 206530
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.1 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.978 ng
RT: 17.133 min Scan# 2188
Delta R.T. -0.017 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

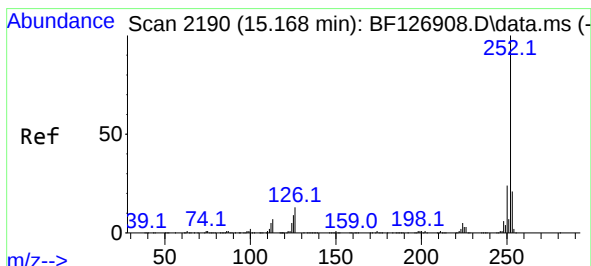
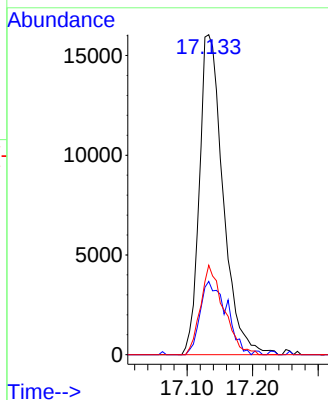
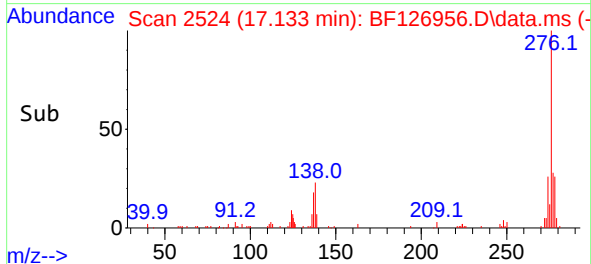
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



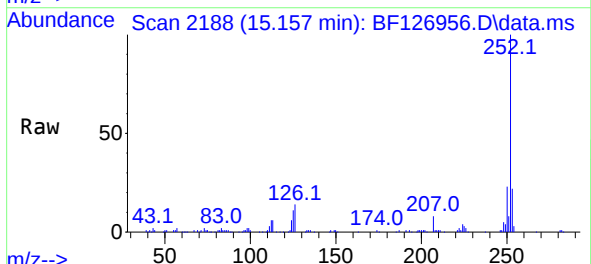
Tgt Ion:276 Resp: 4032
Ion Ratio Lower Upper
276 100
138 25.6 29.2 43.8
277 27.4 19.8 29.8

Manual Integrations
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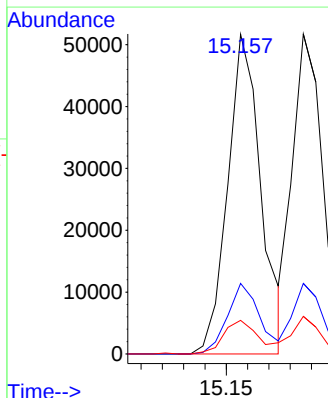
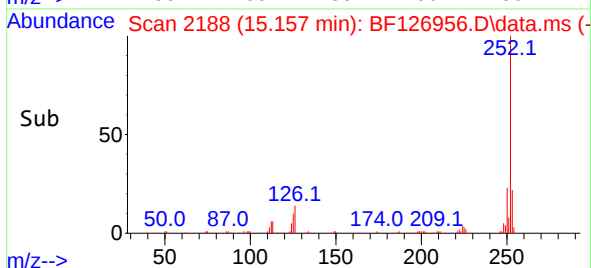
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022

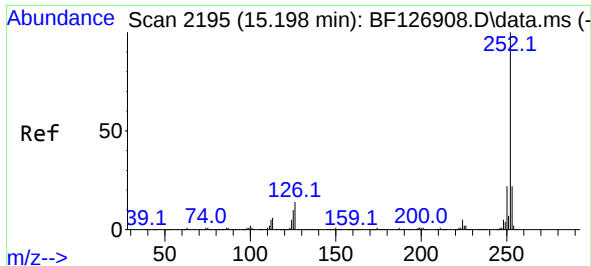


#88
Benzo(b)fluoranthene
Concen: 4.048 ng
RT: 15.157 min Scan# 2188
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



Tgt Ion:252 Resp: 56153
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 10.5 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 3.912 ng

RT: 15.186 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2021

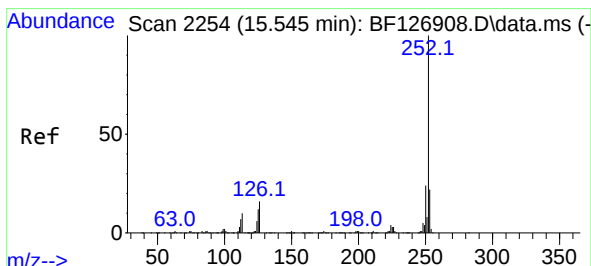
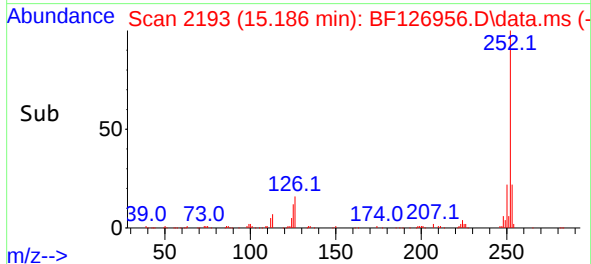
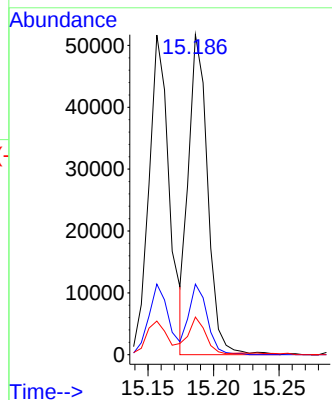
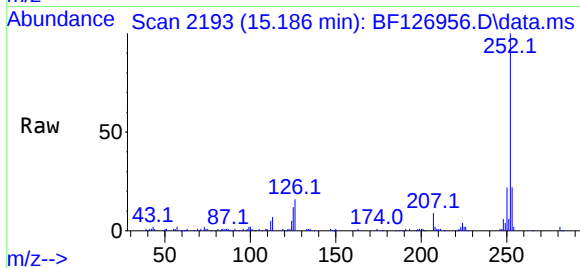
Tgt Ion:	252	Resp:	52340
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.5	26.3
125	11.7	11.8	17.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2022

Supervised By :Jagrut Upadhyay 02/21/2022



#90

Benzo(a)pyrene

Concen: 4.360 ng

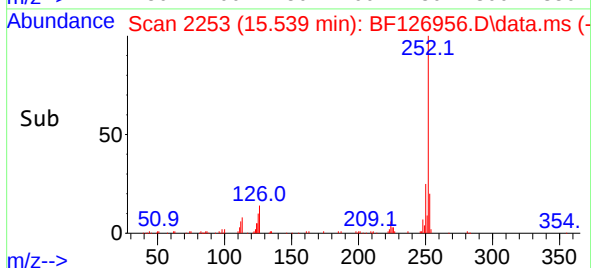
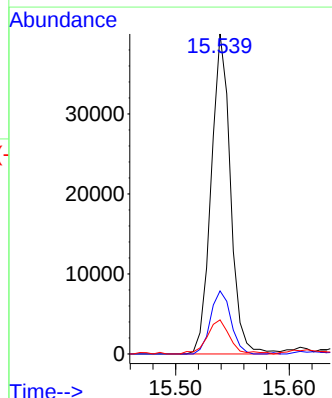
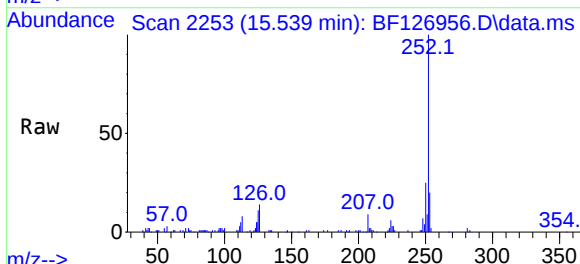
RT: 15.539 min Scan# 2253

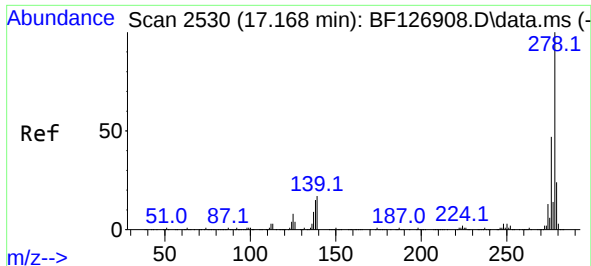
Delta R.T. -0.006 min

Lab File: BF126956.D

Acq: 18 Feb 2022 17:08

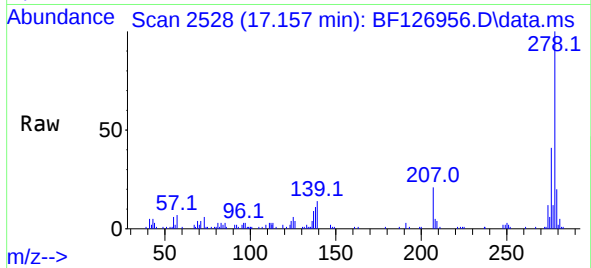
Tgt Ion:	252	Resp:	47237
Ion Ratio	Lower	Upper	
252	100		
253	19.7	17.1	25.7
125	10.7	13.0	19.6





#91
Dibenzo(a,h)anthracene
Concen: 3.087 ng
RT: 17.157 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08

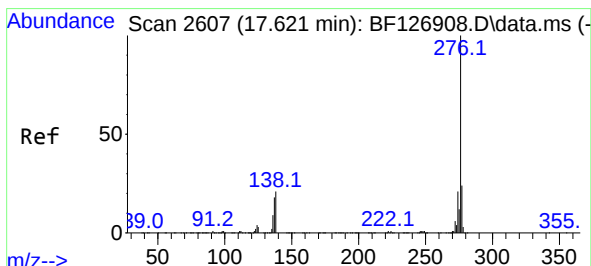
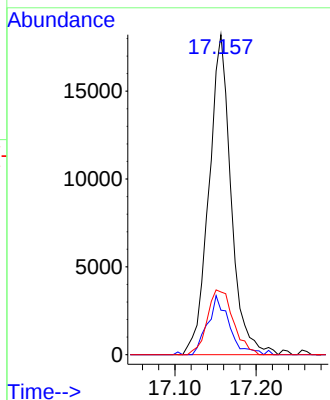
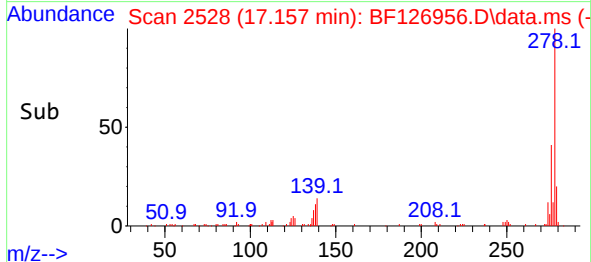
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2021



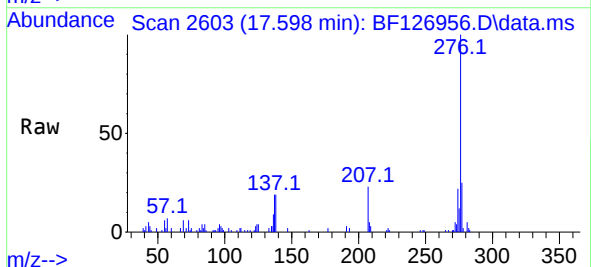
Tgt Ion:278 Resp: 34570
Ion Ratio Lower Upper
278 100
139 13.9 18.0 27.0
279 19.6 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#92
Benzo(g,h,i)perylene
Concen: 3.132 ng
RT: 17.598 min Scan# 2603
Delta R.T. -0.023 min
Lab File: BF126956.D
Acq: 18 Feb 2022 17:08



Tgt Ion:276 Resp: 34579
Ion Ratio Lower Upper
276 100
277 24.9 18.5 27.7
138 18.9 25.9 38.9

