

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
 Data File : BF127062.D
 Acq On : 24 Feb 2022 17:33
 Operator : CG\JU
 Sample : N1650-03MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)MS

Quant Time: Feb 25 01:46:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/25/2022
 Supervised By : Jagrut Upadhyay 02/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	72744	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	280989	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	126345	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	177881	20.000	ng	# 0.00
76) Chrysene-d12	14.092	240	134803	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	101221	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	435776	92.588	ng	0.00
7) Phenol-d6	6.540	99	566328	89.173	ng	0.00
23) Nitrobenzene-d5	7.469	82	414589	66.598	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	131429	90.348	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	630422	73.456	ng	0.00
79) Terphenyl-d14	13.027	244	465841	50.800	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.757	88	72941	33.868	ng	# 91
3) Pyridine	3.522	79	181334	32.100	ng	# 85
4) n-Nitrosodimethylamine	3.487	42	134656	48.661	ng	# 53
6) Aniline	6.575	93	108537	14.424	ng	91
8) 2-Chlorophenol	6.693	128	236948	46.921	ng	98
9) Benzaldehyde	6.457	77	151594	39.214	ng	96
10) Phenol	6.551	94	292166m	45.529	ng	
11) bis(2-Chloroethyl)ether	6.640	93	233141	46.321	ng	98
12) 1,3-Dichlorobenzene	6.845	146	255814	46.960	ng	95
13) 1,4-Dichlorobenzene	6.922	146	260619	47.191	ng	98
14) 1,2-Dichlorobenzene	7.075	146	246174	46.743	ng	98
15) Benzyl Alcohol	7.051	79	247460	46.252	ng	92
16) 2,2'-oxybis(1-Chloropr...	7.175	45	317437	40.052	ng	88
17) 2-Methylphenol	7.163	107	199322	45.620	ng	# 91
18) Hexachloroethane	7.416	117	103941	49.101	ng	92
19) n-Nitroso-di-n-propyla...	7.316	70	187204	45.745	ng	94
20) 3+4-Methylphenols	7.310	107	259379	45.717	ng	# 87
22) Acetophenone	7.316	105	363328	49.110	ng	94
24) Nitrobenzene	7.492	77	280738	47.738	ng	97
25) Isophorone	7.728	82	480256	46.622	ng	# 98
26) 2-Nitrophenol	7.804	139	122306	48.847	ng	# 68
27) 2,4-Dimethylphenol	7.840	122	214990m	52.267	ng	
28) bis(2-Chloroethoxy)met...	7.934	93	277334	44.409	ng	99
29) 2,4-Dichlorophenol	8.051	162	178309	46.108	ng	99
30) 1,2,4-Trichlorobenzene	8.134	180	205175	47.456	ng	98
31) Naphthalene	8.216	128	695645	47.426	ng	99
32) Benzoic acid	7.969	122	134318	46.044	ng	87
33) 4-Chloroaniline	8.275	127	60536	10.485	ng	96
34) Hexachlorobutadiene	8.322	225	129526	51.316	ng	97
35) Caprolactam	8.628	113	53321m	39.484	ng	
36) 4-Chloro-3-methylphenol	8.745	107	238233	48.202	ng	94
37) 2-Methylnaphthalene	8.904	142	442990	46.543	ng	96
38) 1-Methylnaphthalene	9.004	142	409770	44.959	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	184887	55.591	ng	98
41) Hexachlorocyclopentadiene	9.051	237	116367	64.511	ng	96
43) 2,4,6-Trichlorophenol	9.181	196	119537	49.004	ng	98

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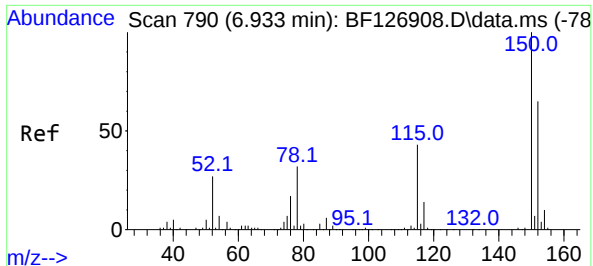
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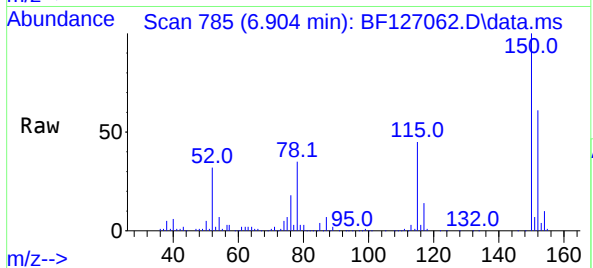
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.228	196	117955	45.952	ng	96
46) 1,1'-Biphenyl	9.369	154	516024	51.550	ng	97
47) 2-Chloronaphthalene	9.398	162	368771	49.679	ng	95
48) 2-Nitroaniline	9.492	65	135490	46.254	ng	93
49) Acenaphthylene	9.816	152	582436	48.304	ng	98
50) Dimethylphthalate	9.669	163	447313	49.531	ng	99
51) 2,6-Dinitrotoluene	9.733	165	89875	48.915	ng	# 84
52) Acenaphthene	9.986	154	384988	49.094	ng	97
53) 3-Nitroaniline	9.904	138	55736	24.816	ng	90
54) 2,4-Dinitrophenol	10.010	184	56038	57.621	ng	# 86
55) Dibenzofuran	10.157	168	481752	44.677	ng	# 88
56) 4-Nitrophenol	10.069	139	125252	75.506	ng	# 78
57) 2,4-Dinitrotoluene	10.139	165	112680	45.357	ng	# 95
58) Fluorene	10.504	166	373130	44.424	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.275	232	84443	41.495	ng	# 97
60) Diethylphthalate	10.369	149	443411	46.989	ng	100
61) 4-Chlorophenyl-phenyle...	10.492	204	180091	45.471	ng	99
62) 4-Nitroaniline	10.516	138	73371	33.082	ng	# 65
63) Azobenzene	10.651	77	423896	40.341	ng	92
65) 4,6-Dinitro-2-methylph...	10.545	198	34076	32.603	ng	96
66) n-Nitrosodiphenylamine	10.610	169	309836	53.119	ng	99
67) 4-Bromophenyl-phenylether	10.980	248	105815	53.241	ng	# 90
68) Hexachlorobenzene	11.045	284	108958	50.925	ng	# 91
69) Atrazine	11.133	200	93569	51.722	ng	98
70) Pentachlorophenol	11.245	266	115714	99.074	ng	99
71) Phenanthrene	11.469	178	513030	51.528	ng	99
72) Anthracene	11.516	178	484165	48.848	ng	99
73) Carbazole	11.675	167	390402	42.951	ng	98
74) Di-n-butylphthalate	11.992	149	553204	47.342	ng	# 97
75) Fluoranthene	12.657	202	505243	53.445	ng	93
77) Benzidine	12.774	184	112669	30.756	ng	# 96
78) Pyrene	12.892	202	513329	43.831	ng	99
80) Butylbenzylphthalate	13.498	149	222324	40.099	ng	93
81) Benzo(a)anthracene	14.080	228	448818	49.386	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	73866	25.791	ng	# 95
83) Chrysene	14.116	228	424704	49.696	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	348477	47.874	ng	# 97
85) Di-n-octyl phthalate	14.674	149	519634	49.581	ng	98
87) Indeno(1,2,3-cd)pyrene	17.127	276	273983	41.280	ng	# 82
88) Benzo(b)fluoranthene	15.151	252	383448	56.403	ng	# 93
89) Benzo(k)fluoranthene	15.180	252	340296	51.896	ng	# 93
90) Benzo(a)pyrene	15.533	252	323771	60.971	ng	# 90
91) Dibenzo(a,h)anthracene	17.139	278	230150	41.927	ng	# 89
92) Benzo(g,h,i)perylene	17.592	276	230997	42.685	ng	# 83

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

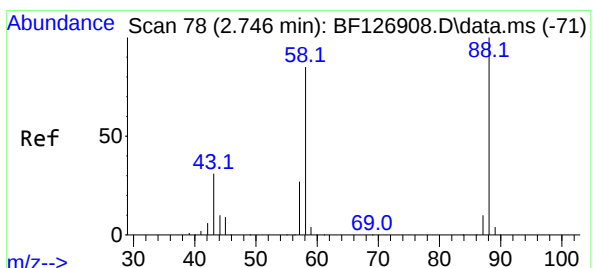
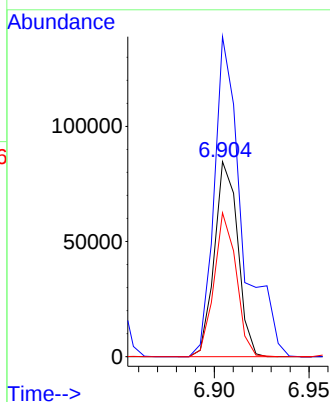
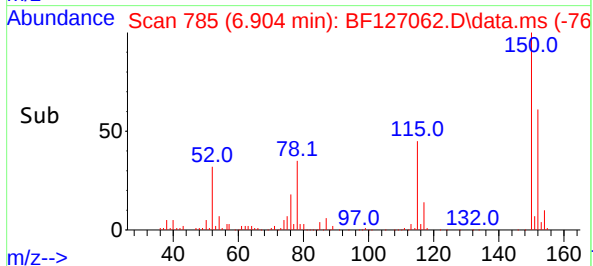
Instrument : BNA_F
ClientSampleId : NW-SURFICIAL-SOIL-(NW-SS)MS



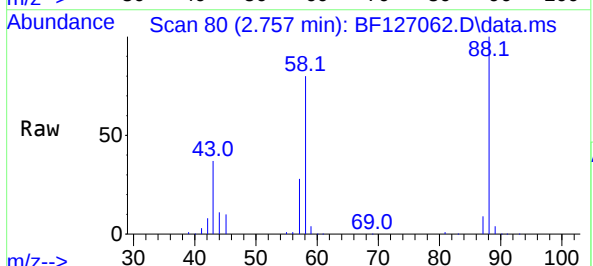
Tgt Ion:152 Resp: 72744
Ion Ratio Lower Upper
152 100
150 164.1 128.1 192.1
115 73.8 56.7 85.1

Manual Integrations
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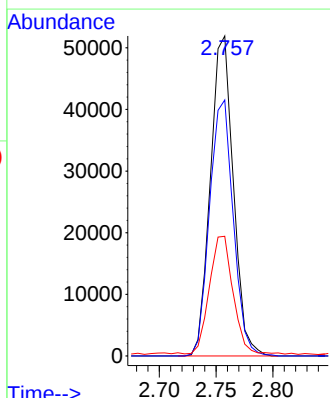
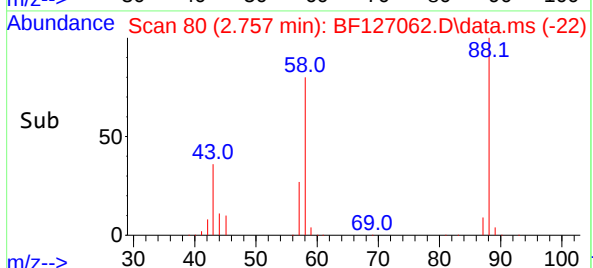
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#2
1,4-Dioxane
Concen: 33.868 ng
RT: 2.757 min Scan# 80
Delta R.T. 0.041 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



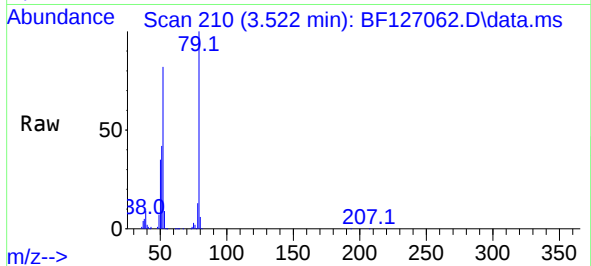
Tgt Ion: 88 Resp: 72941
Ion Ratio Lower Upper
88 100
58 82.7 62.8 94.2
43 38.8 22.3 33.5





#3
Pyridine
Concen: 32.100 ng
RT: 3.522 min Scan# 210
Delta R.T. 0.035 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

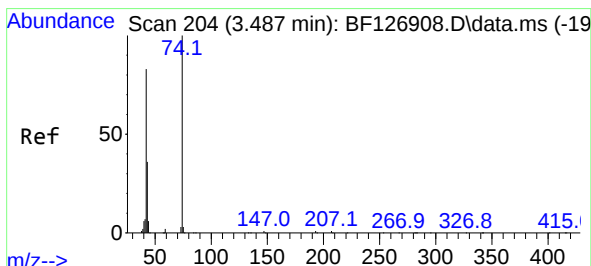
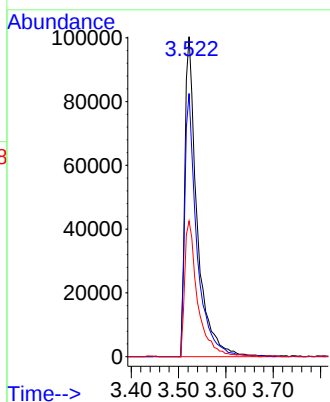
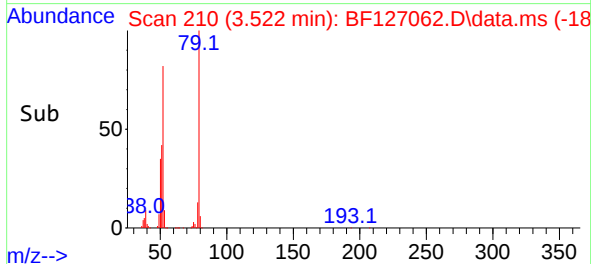
Instrument :
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ClientSampleId :
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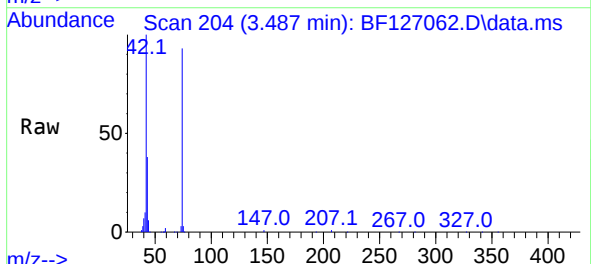
Tgt Ion: 79 Resp: 181334
Ion Ratio Lower Upper
79 100
52 82.2 56.2 84.4
51 42.4 26.7 40.1

Manual Integrations
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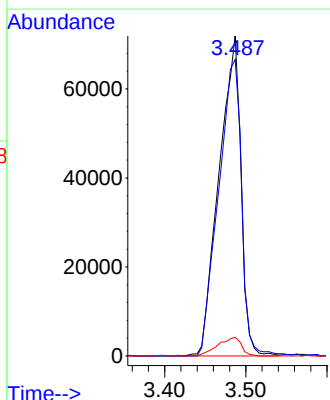
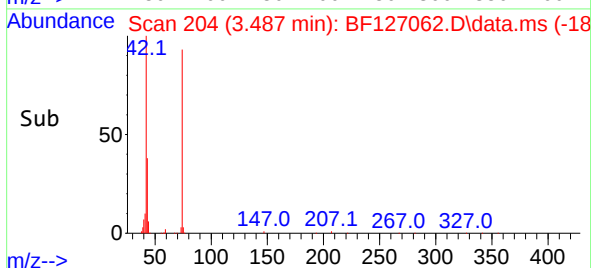
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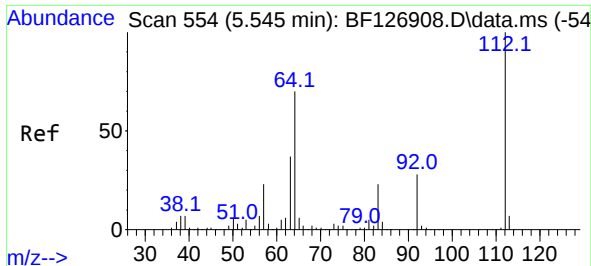


#4
n-Nitrosodimethylamine
Concen: 48.661 ng
RT: 3.487 min Scan# 204
Delta R.T. 0.030 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



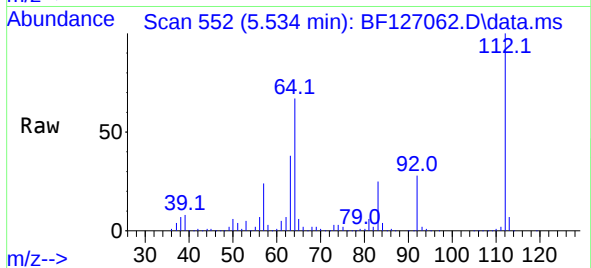
Tgt Ion: 42 Resp: 134656
Ion Ratio Lower Upper
42 100
74 92.6 125.6 188.4
44 5.9 5.7 8.5





#5
2-Fluorophenol
Concen: 92.588 ng
RT: 5.534 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

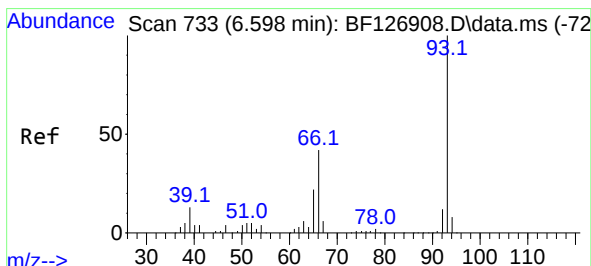
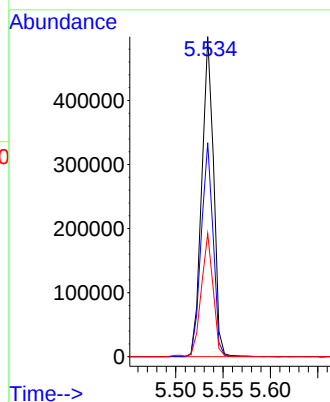
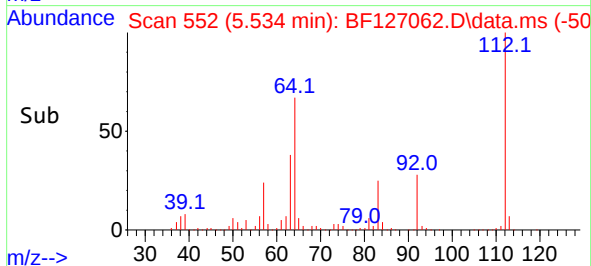
Instrument :
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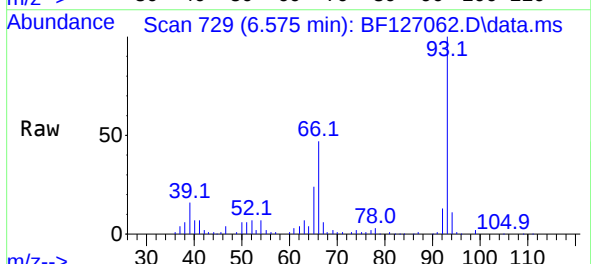
Tgt Ion:112 Resp: 435770
Ion Ratio Lower Upper
112 100
64 66.9 49.5 74.3
63 38.5 23.9 35.9

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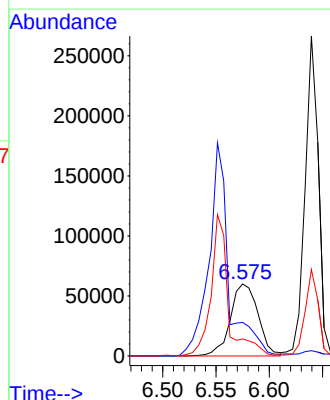
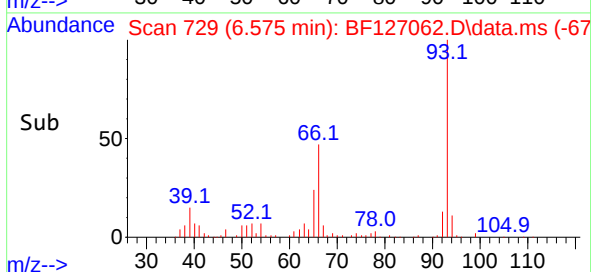
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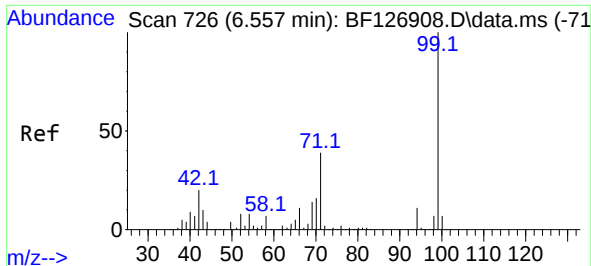


#6
Aniline
Concen: 14.424 ng
RT: 6.575 min Scan# 729
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



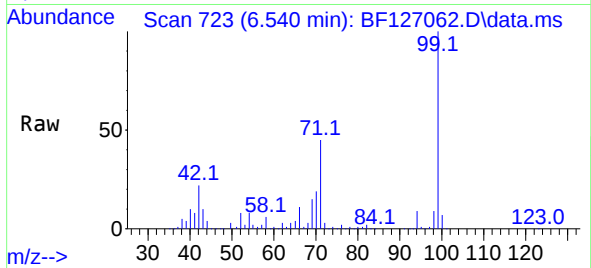
Tgt Ion: 93 Resp: 108537
Ion Ratio Lower Upper
93 100
66 46.8 32.2 48.4
65 23.6 16.3 24.5





#7
Phenol-d6
Concen: 89.173 ng
RT: 6.540 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

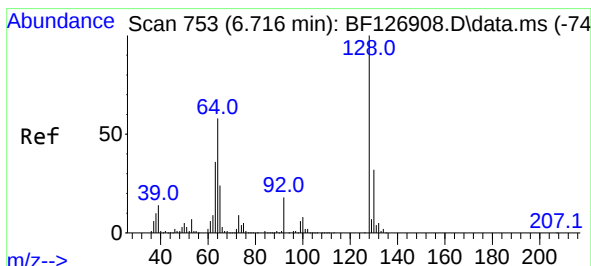
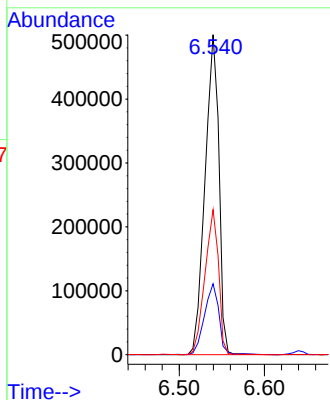
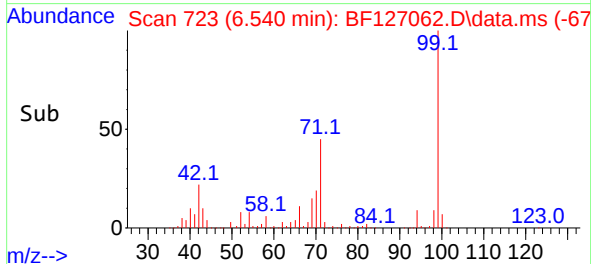
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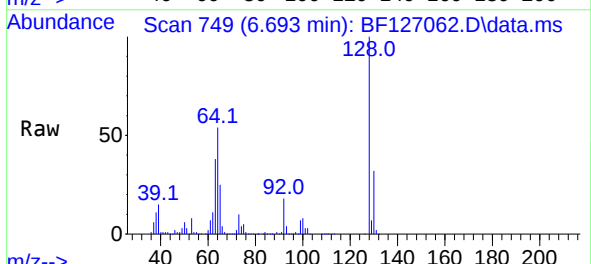
Tgt Ion: 99 Resp: 566328
Ion Ratio Lower Upper
99 100
42 22.1 14.2 21.4
71 45.3 24.3 36.5

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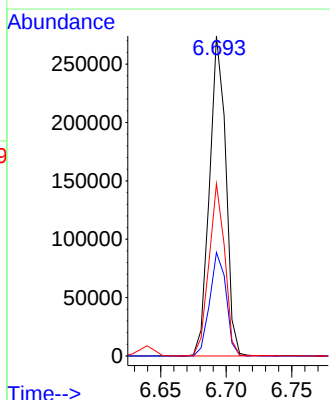
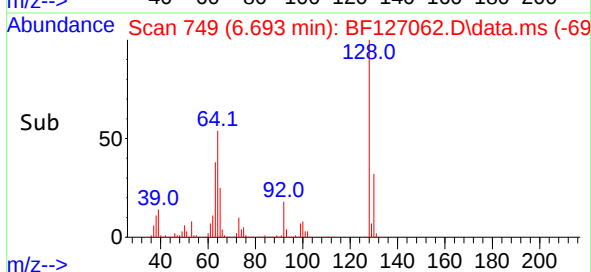
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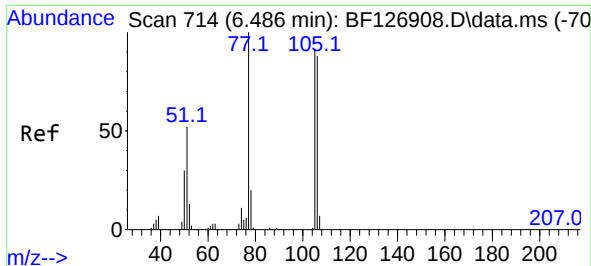


#8
2-Chlorophenol
Concen: 46.921 ng
RT: 6.693 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



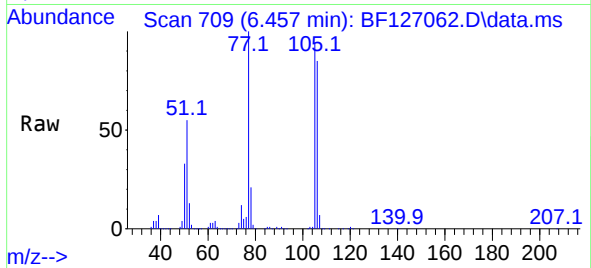
Tgt Ion:128 Resp: 236948
Ion Ratio Lower Upper
128 100
130 32.4 12.7 52.7
64 53.8 35.6 75.6





#9
Benzaldehyde
Concen: 39.214 ng
RT: 6.457 min Scan# 709
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

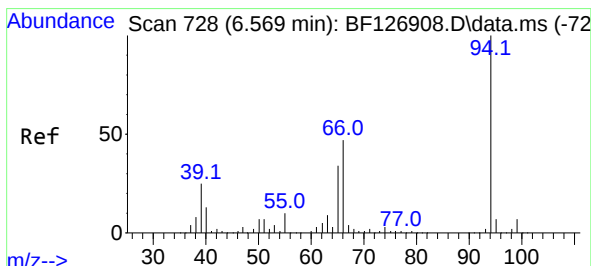
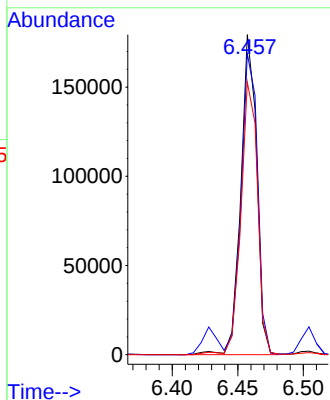
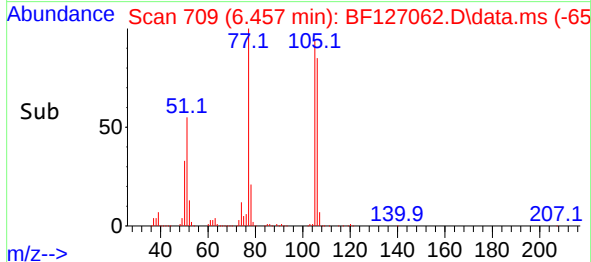
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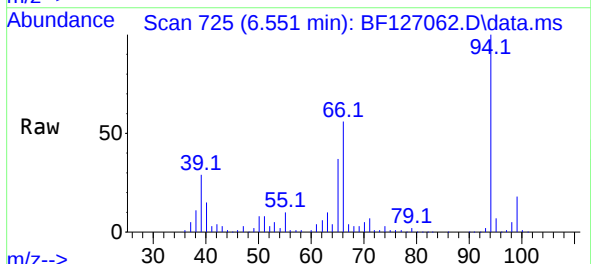
Tgt Ion: 77 Resp: 151594
Ion Ratio Lower Upper
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105 94.0 74.9 114.9
106 85.2 72.4 112.4

Manual Integrations
APPROVED

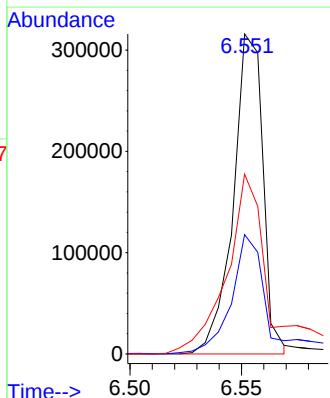
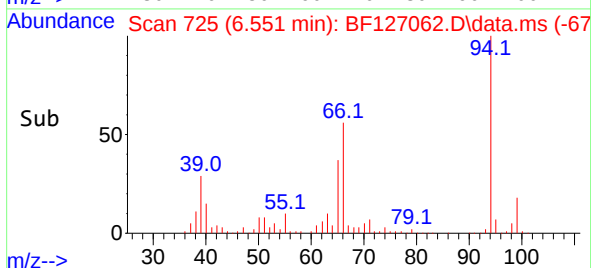
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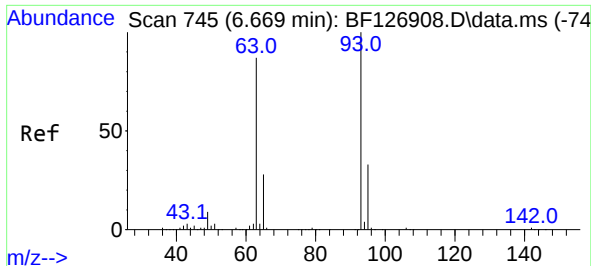


#10
Phenol
Concen: 45.529 ng m
RT: 6.551 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



Tgt Ion: 94 Resp: 292166
Ion Ratio Lower Upper
94 100
65 37.3 7.2 47.2
66 56.2 14.5 54.5#





#11

bis(2-Chloroethyl)ether

Concen: 46.321 ng

RT: 6.640 min Scan# 745

Delta R.T. -0.006 min

Lab File: BF127062.D

Acq: 24 Feb 2022 17:33

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MS

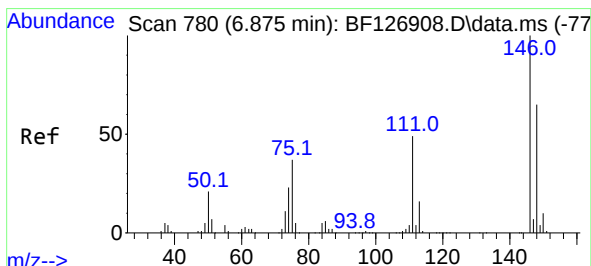
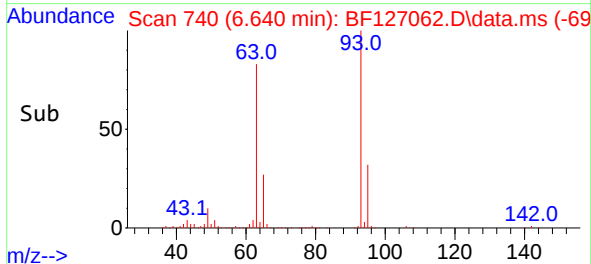
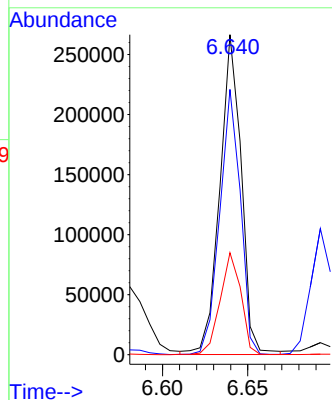
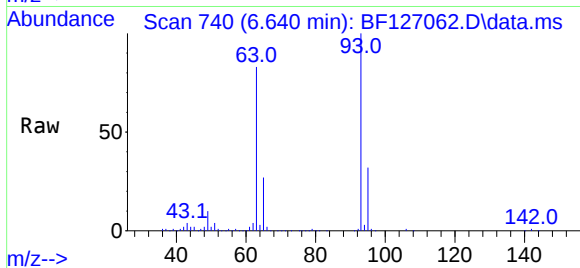
Tgt Ion: 93 Resp: 23314

Ion	Ratio	Lower	Upper
93	100		
63	82.9	60.5	100.5
95	31.9	12.9	52.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#12

1,3-Dichlorobenzene

Concen: 46.960 ng

RT: 6.845 min Scan# 775

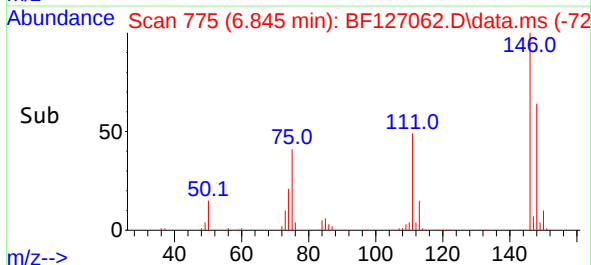
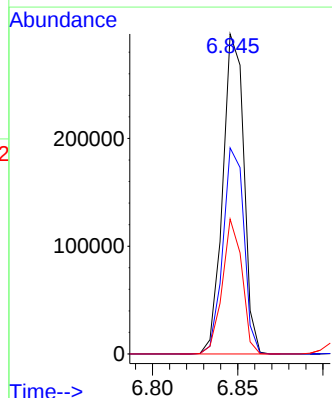
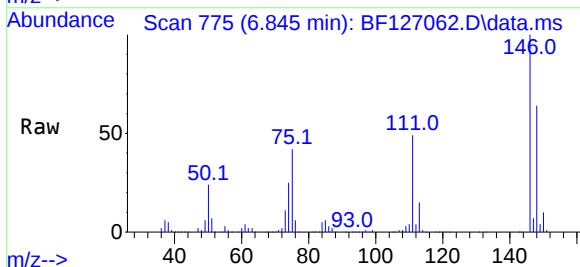
Delta R.T. -0.006 min

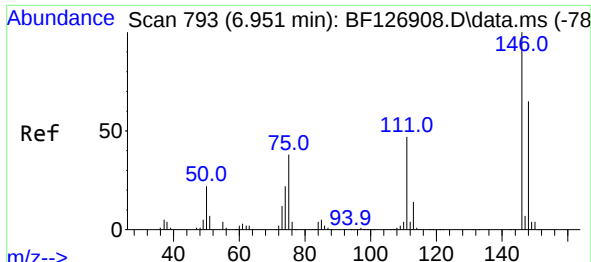
Lab File: BF127062.D

Acq: 24 Feb 2022 17:33

Tgt Ion:146 Resp: 255814

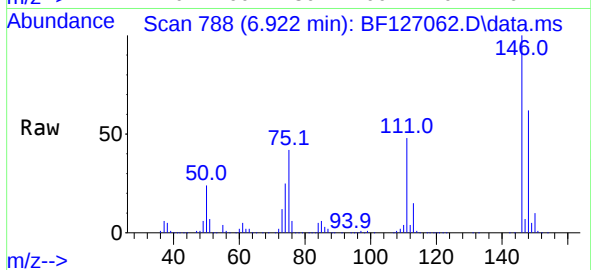
Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.9	76.3
75	42.1	28.4	42.6





#13
1,4-Dichlorobenzene
Concen: 47.191 ng
RT: 6.922 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

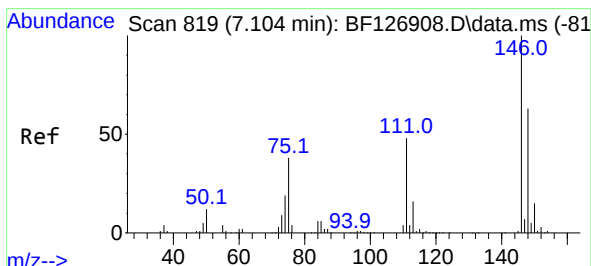
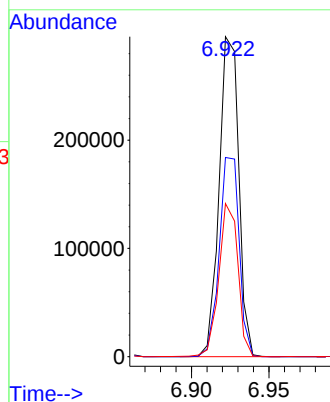
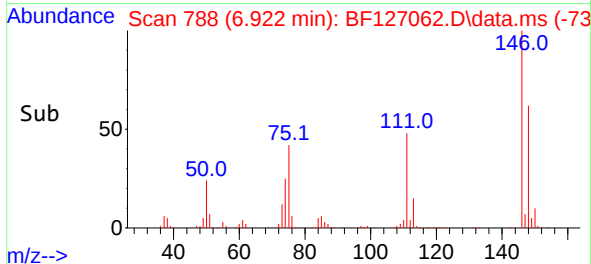
Instrument : BNA_F
ClientSampleId : NW-SURFICIAL-SOIL-(NW-SS)MS



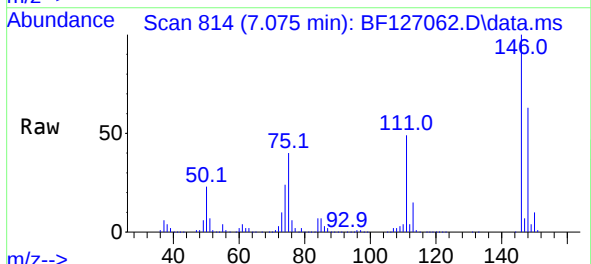
Tgt Ion:146 Resp: 260619
Ion Ratio Lower Upper
146 100
148 62.3 49.8 74.6
111 47.9 36.1 54.1

Manual Integrations
APPROVED

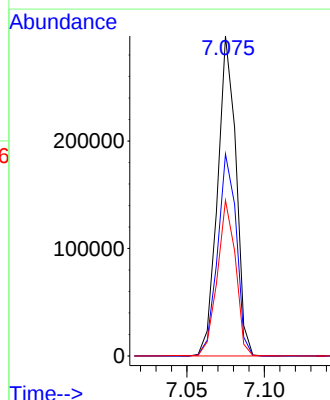
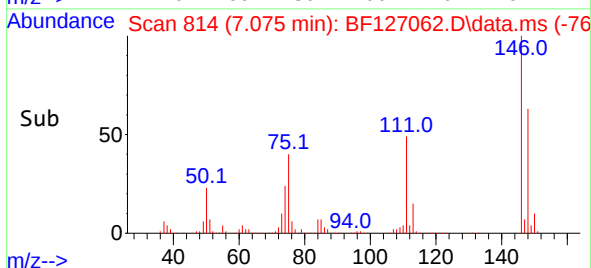
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

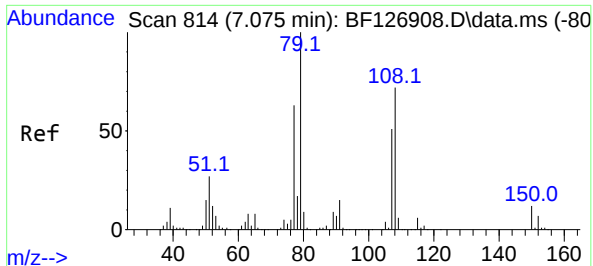


#14
1,2-Dichlorobenzene
Concen: 46.743 ng
RT: 7.075 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



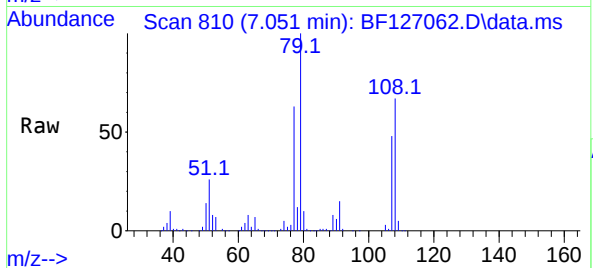
Tgt Ion:146 Resp: 246174
Ion Ratio Lower Upper
146 100
148 63.1 51.6 77.4
111 48.7 40.2 60.2





#15
Benzyl Alcohol
Concen: 46.252 ng
RT: 7.051 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

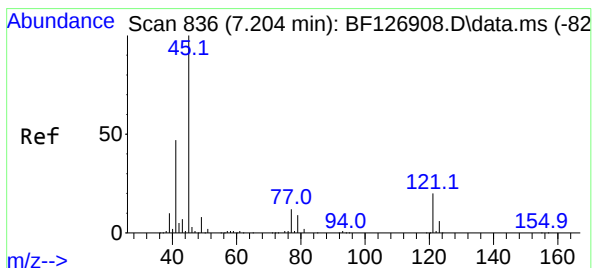
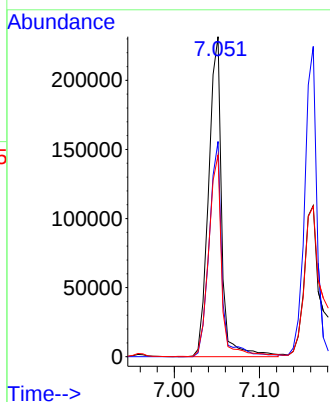
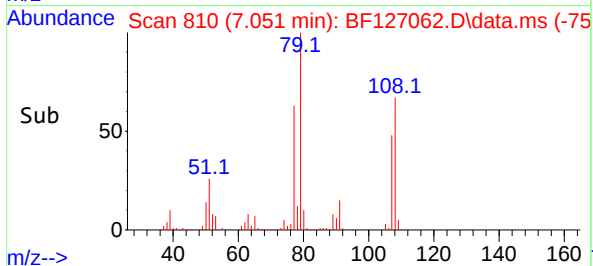
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



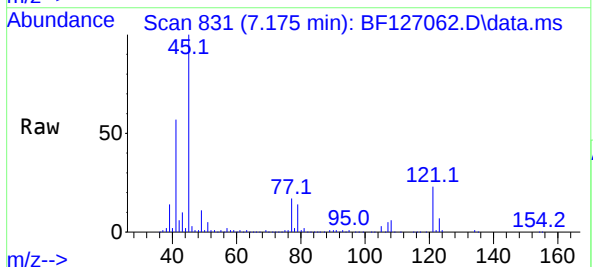
Tgt Ion: 79 Resp: 247460
Ion Ratio Lower Upper
79 100
108 67.2 63.2 94.8
77 63.0 49.4 74.2

Manual Integrations
APPROVED

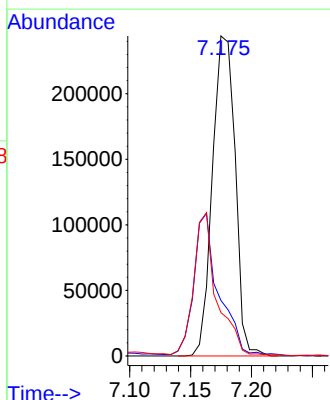
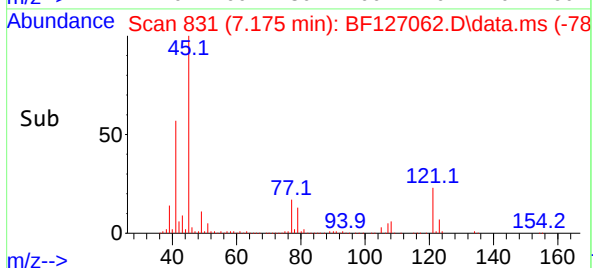
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

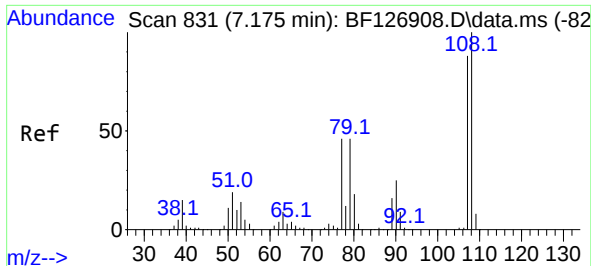


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.052 ng
RT: 7.175 min Scan# 831
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



Tgt Ion: 45 Resp: 317437
Ion Ratio Lower Upper
45 100
77 17.4 0.0 32.4
79 13.5 0.0 29.8





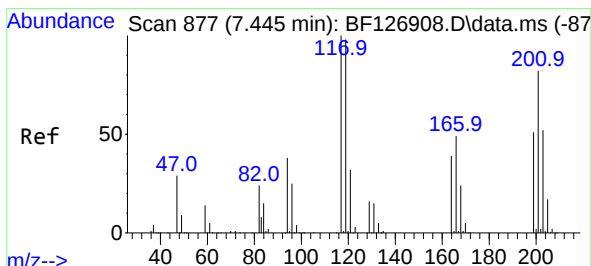
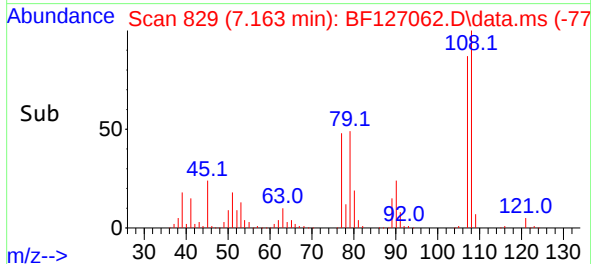
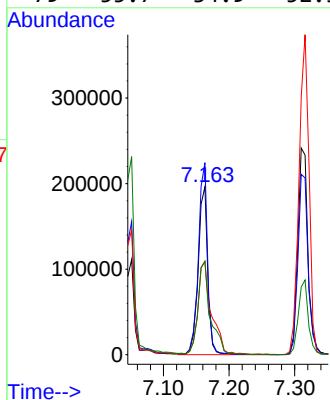
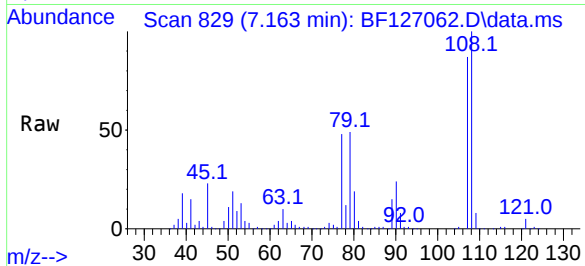
#17
2-Methylphenol
Concen: 45.620 ng
RT: 7.163 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS

Tgt Ion:107 Resp: 19932
Ion Ratio Lower Upper
107 100
108 114.5 93.4 140.0
77 55.5 36.1 54.1
79 55.7 34.9 52.3

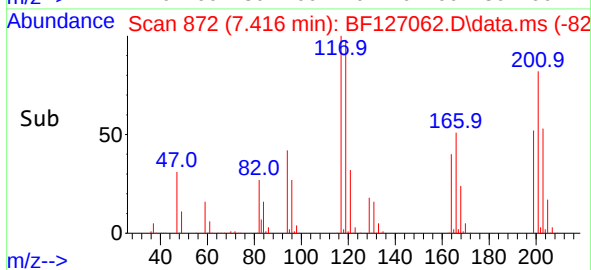
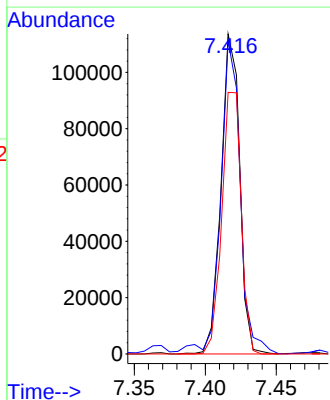
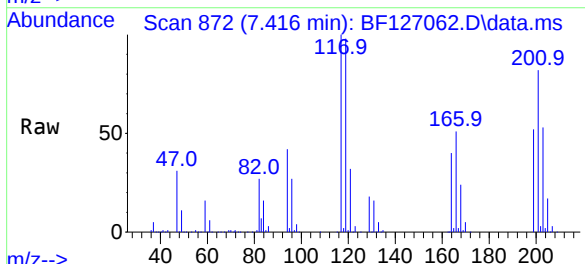
Manual Integrations
APPROVED

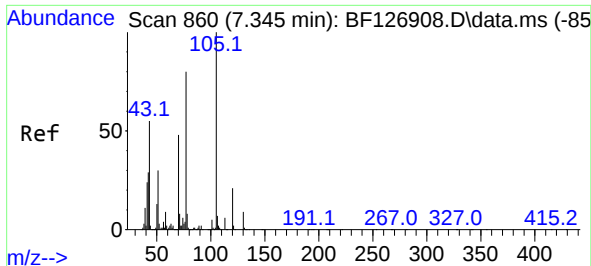
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#18
Hexachloroethane
Concen: 49.101 ng
RT: 7.416 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

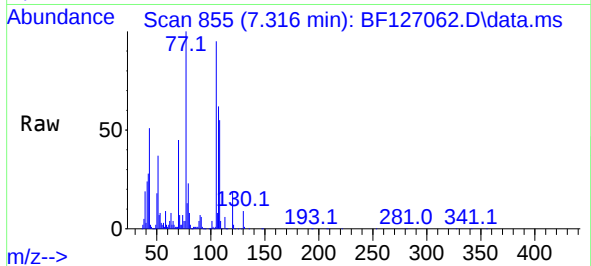
Tgt Ion:117 Resp: 103941
Ion Ratio Lower Upper
117 100
119 97.9 75.4 113.0
201 81.8 56.8 85.2





#19
n-Nitroso-di-n-propylamine
Concen: 45.745 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

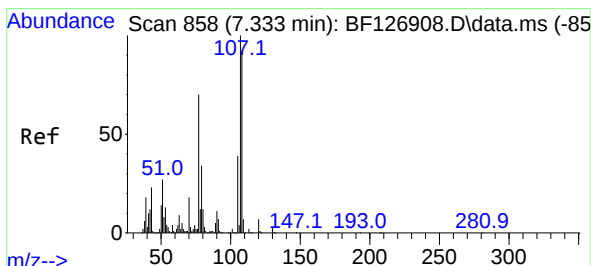
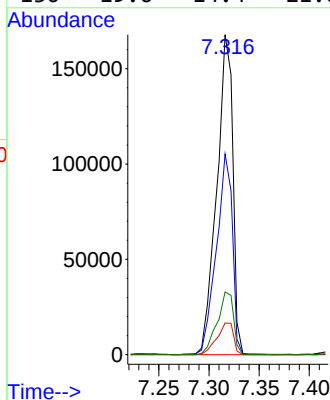
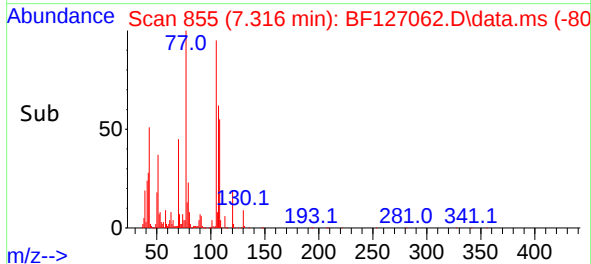
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



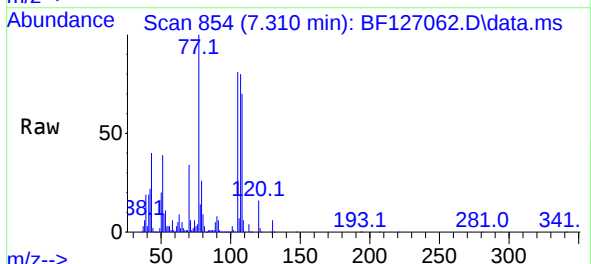
Tgt Ion: 70 Resp: 187204
Ion Ratio Lower Upper
70 100
42 62.7 45.8 68.8
101 9.9 6.9 10.3
130 19.6 14.4 21.6

Manual Integrations
APPROVED

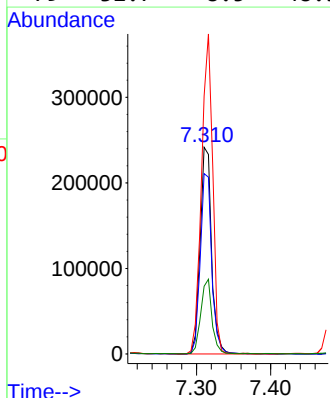
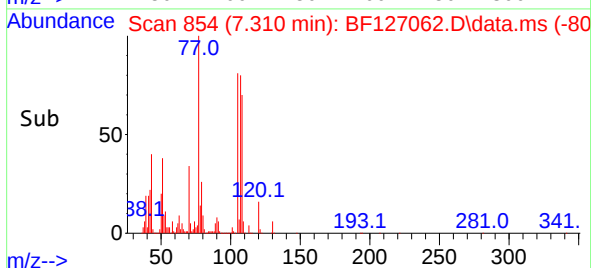
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

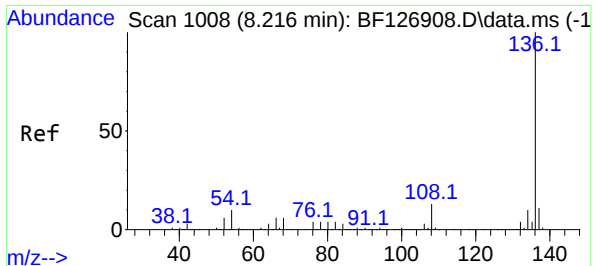


#20
3+4-Methylphenols
Concen: 45.717 ng
RT: 7.310 min Scan# 854
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



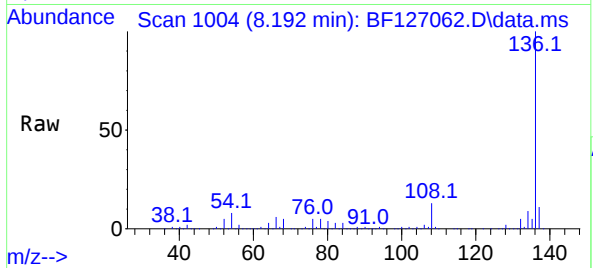
Tgt Ion:107 Resp: 259379
Ion Ratio Lower Upper
107 100
108 87.2 72.4 112.4
77 124.7 83.8 123.8#
79 32.7 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

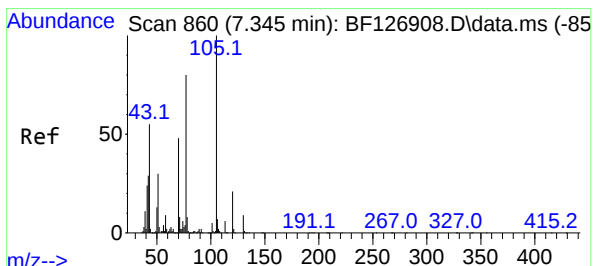
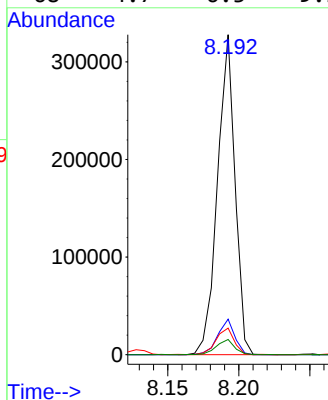
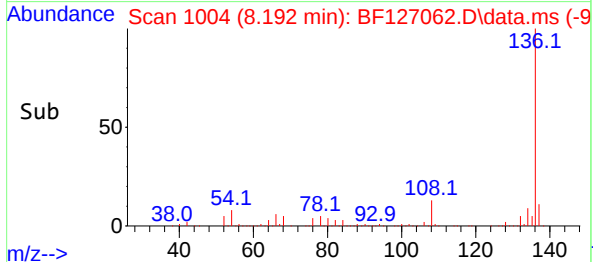
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



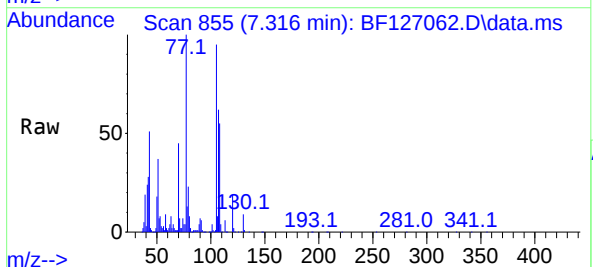
Tgt Ion:136 Resp: 280989
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.3 7.8 11.6
68 4.7 6.3 9.5#

Manual Integrations
APPROVED

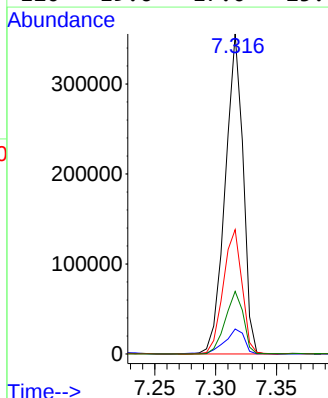
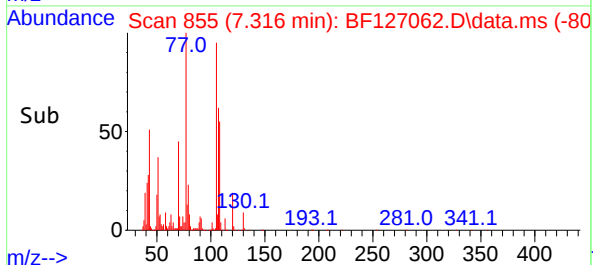
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

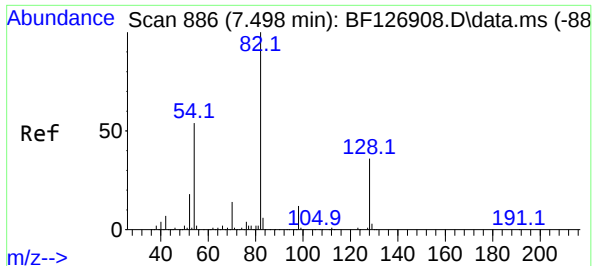


#22
Acetophenone
Concen: 49.110 ng
RT: 7.316 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



Tgt Ion:105 Resp: 363328
Ion Ratio Lower Upper
105 100
71 7.8 5.4 8.0
51 38.9 27.4 41.0
120 19.6 17.0 25.6





#23

Nitrobenzene-d5

Concen: 66.598 ng

RT: 7.469 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF127062.D

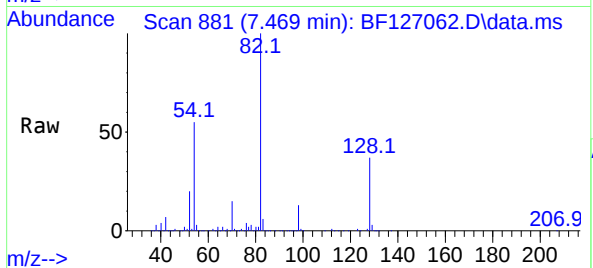
Acq: 24 Feb 2022 17:33

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MS



Tgt Ion: 82 Resp: 414589

Ion Ratio Lower Upper

82 100

128 36.6 32.7 49.1

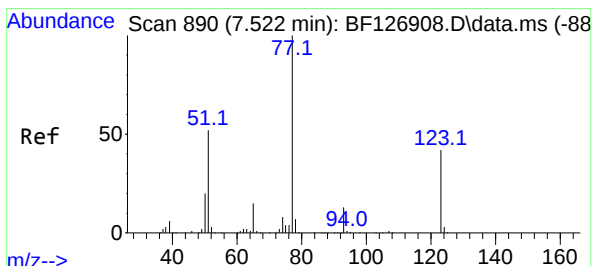
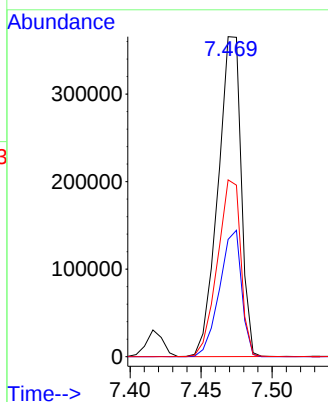
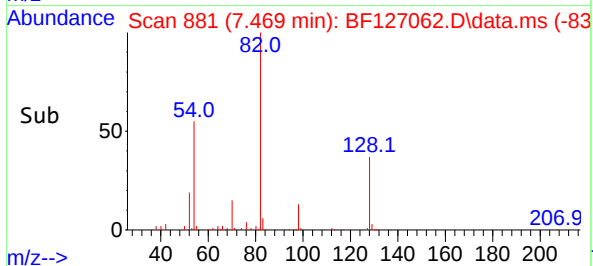
54 55.2 41.7 62.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/25/2022

Supervised By :Jagrut Upadhyay 02/25/2022



#24

Nitrobenzene

Concen: 47.738 ng

RT: 7.492 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF127062.D

Acq: 24 Feb 2022 17:33

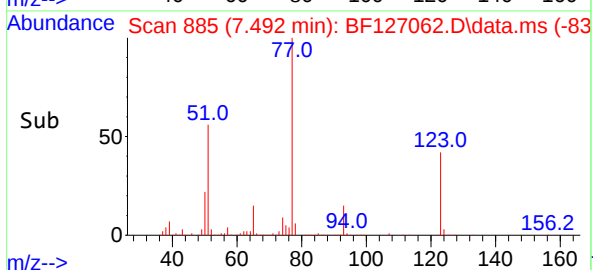
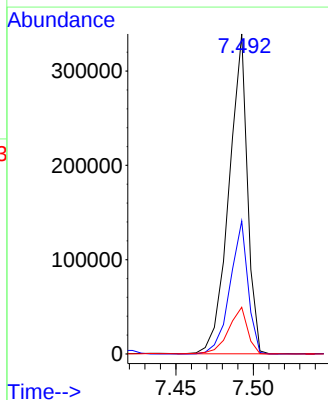
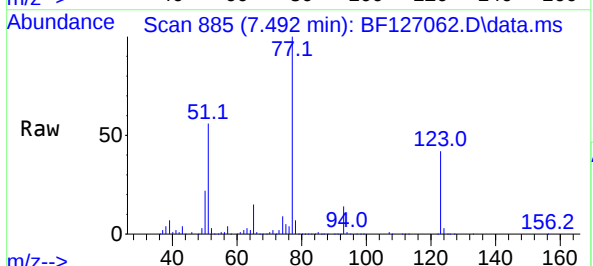
Tgt Ion: 77 Resp: 280738

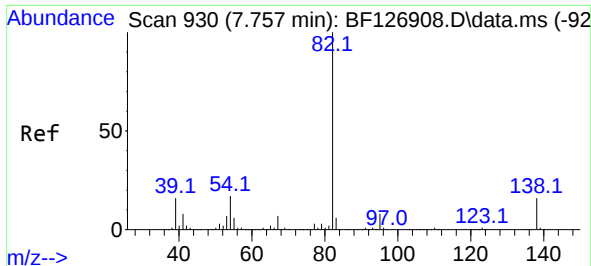
Ion Ratio Lower Upper

77 100

123 41.5 34.6 52.0

65 14.6 10.6 15.8





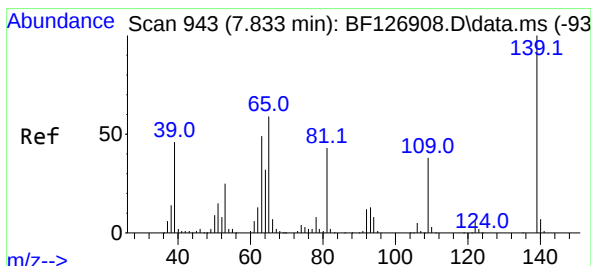
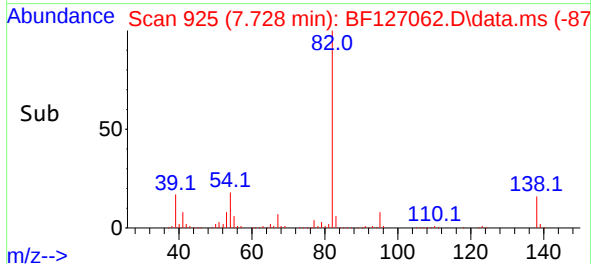
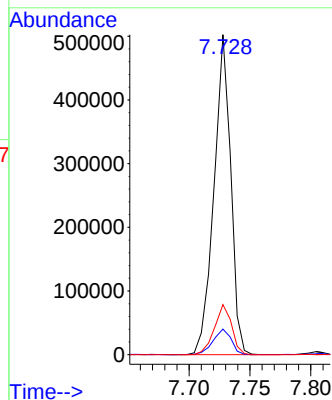
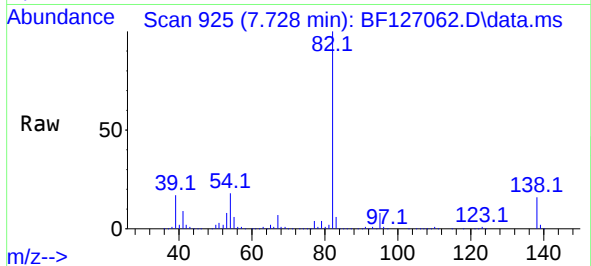
#25
Isophorone
Concen: 46.622 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS

Tgt Ion: 82 Resp: 480250
Ion Ratio Lower Upper
82 100
95 8.0 5.0 7.4#
138 15.6 12.3 18.5

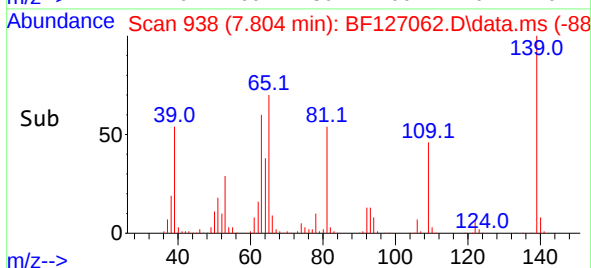
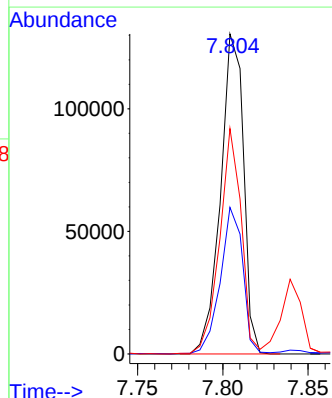
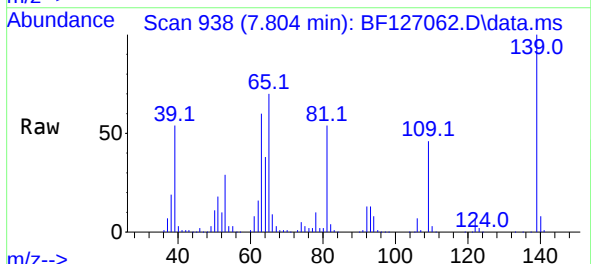
Manual Integrations
APPROVED

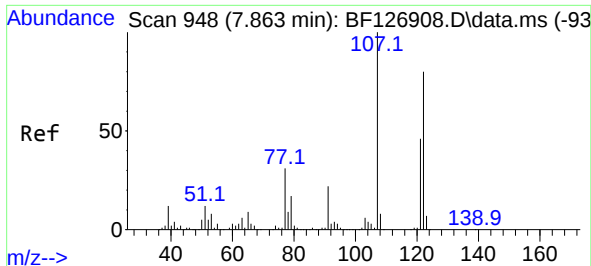
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#26
2-Nitrophenol
Concen: 48.847 ng
RT: 7.804 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

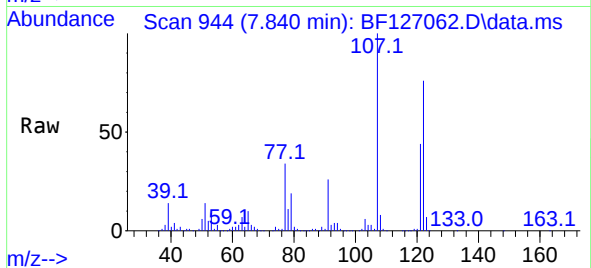
Tgt Ion:139 Resp: 122306
Ion Ratio Lower Upper
139 100
109 45.8 20.0 30.0#
65 70.4 40.8 61.2#





#27
2,4-Dimethylphenol
Concen: 52.267 ng m
RT: 7.840 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

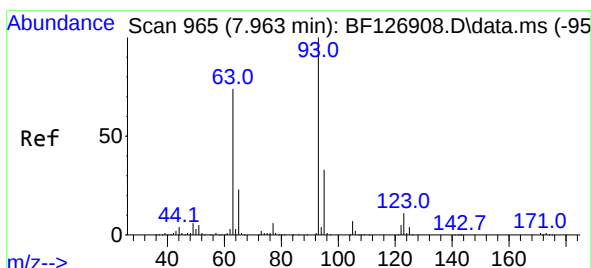
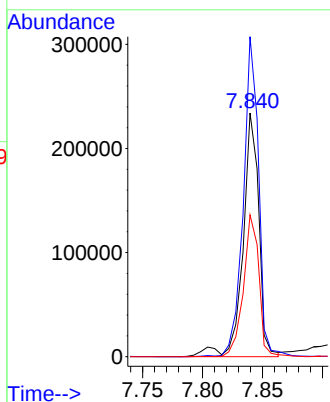
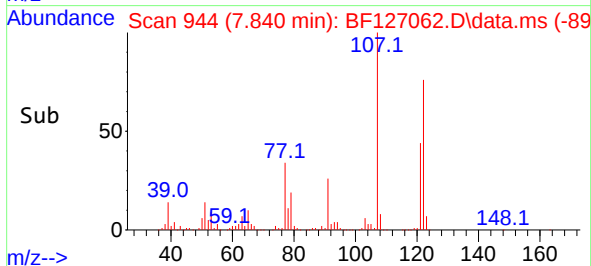
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



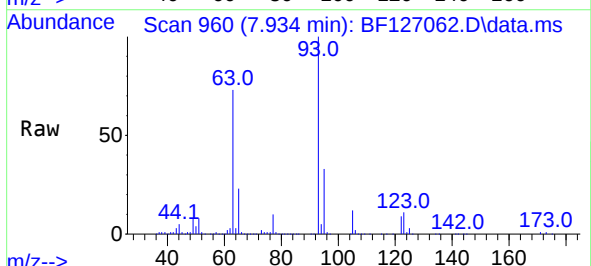
Tgt Ion:122 Resp: 214990
Ion Ratio Lower Upper
122 100
107 131.3 91.2 136.8
121 58.2 44.4 66.6

Manual Integrations
APPROVED

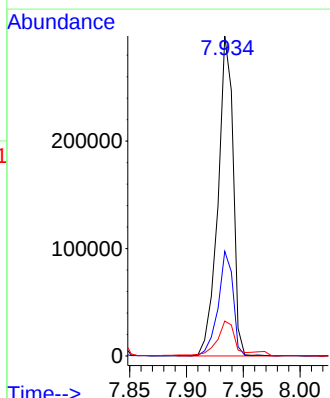
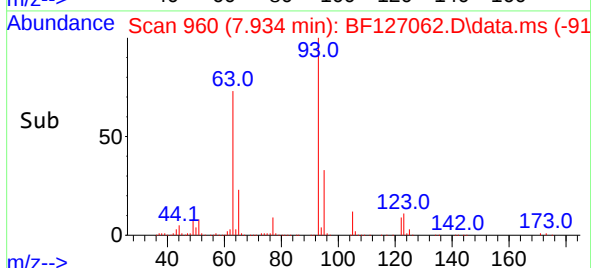
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

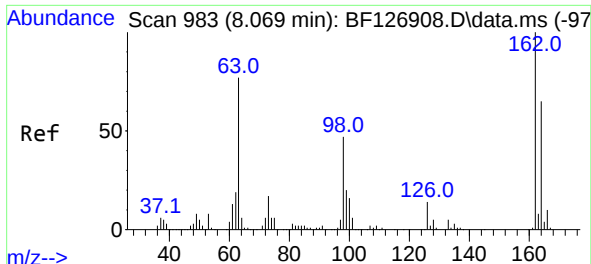


#28
bis(2-Chloroethoxy)methane
Concen: 44.409 ng
RT: 7.934 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



Tgt Ion: 93 Resp: 277334
Ion Ratio Lower Upper
93 100
95 32.7 25.4 38.2
123 10.9 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 46.108 ng

RT: 8.051 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF127062.D

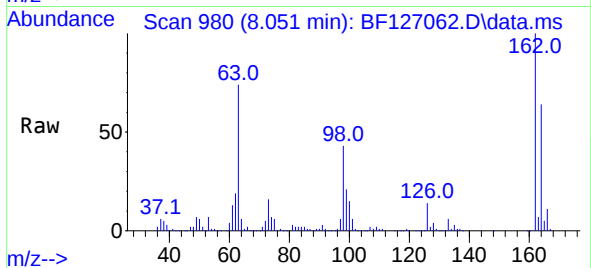
Acq: 24 Feb 2022 17:33

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MS



Tgt Ion:162 Resp: 178309

Ion Ratio Lower Upper

162 100

164 64.3 43.8 83.8

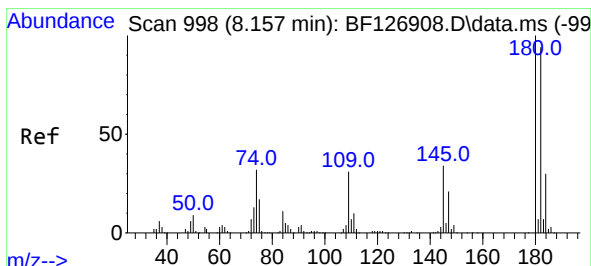
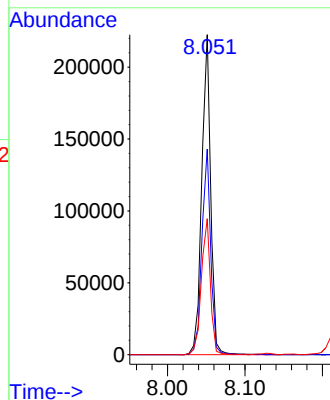
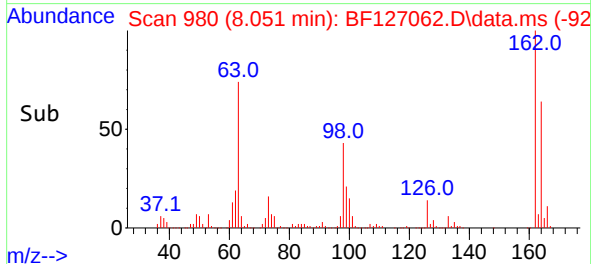
98 42.5 23.6 63.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/25/2022

Supervised By :Jagrut Upadhyay 02/25/2022



#30

1,2,4-Trichlorobenzene

Concen: 47.456 ng

RT: 8.134 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF127062.D

Acq: 24 Feb 2022 17:33

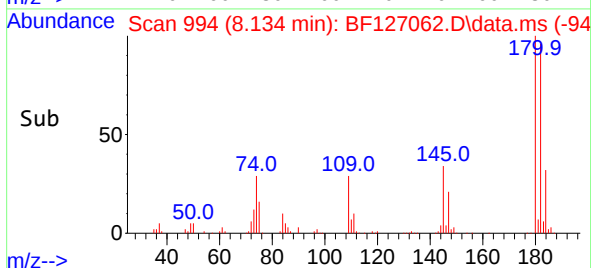
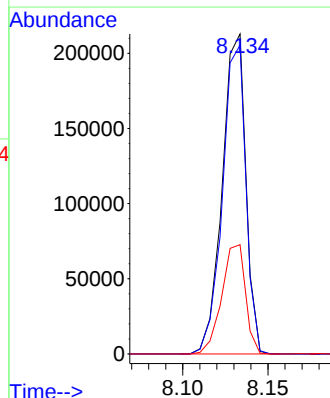
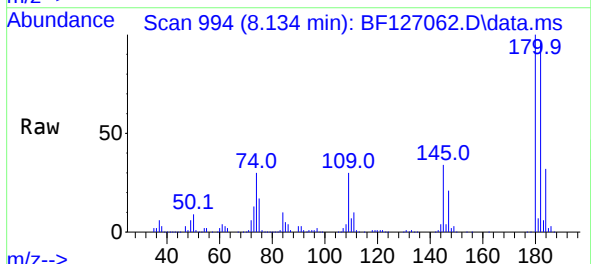
Tgt Ion:180 Resp: 205175

Ion Ratio Lower Upper

180 100

182 96.5 75.5 113.3

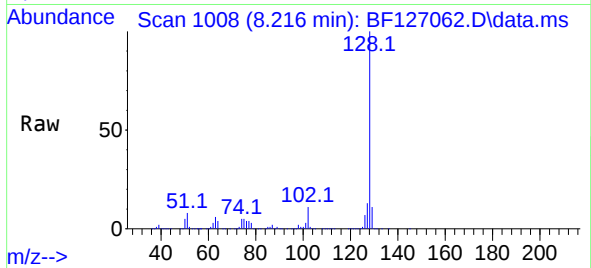
145 34.2 26.2 39.2





#31
Naphthalene
Concen: 47.426 ng
RT: 8.216 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

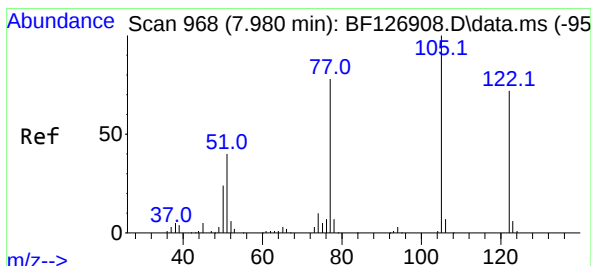
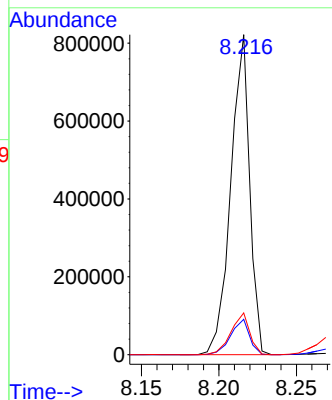
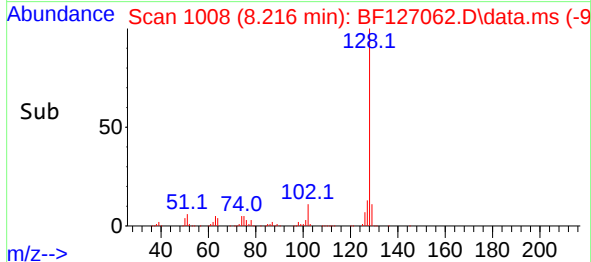
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



Tgt Ion:128 Resp: 69564
Ion Ratio Lower Upper
128 100
129 11.1 8.6 13.0
127 13.1 10.3 15.5

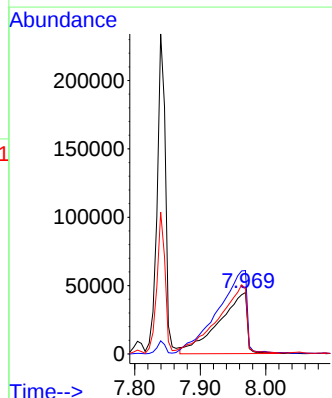
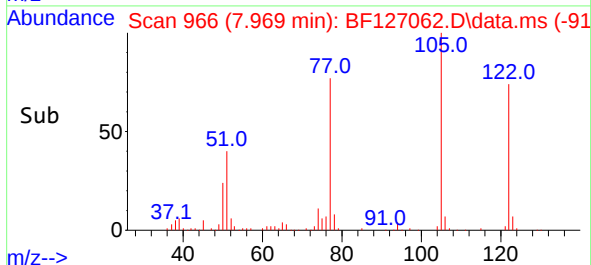
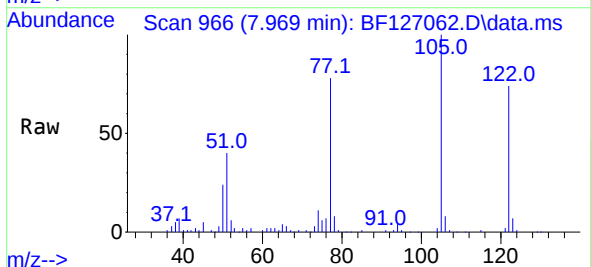
Manual Integrations
APPROVED

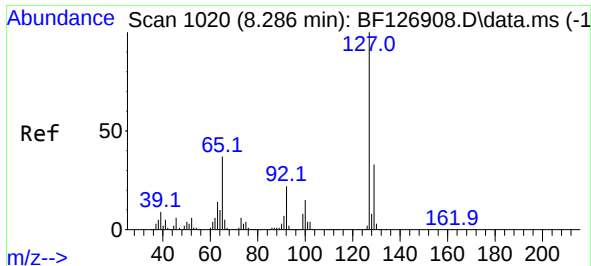
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#32
Benzoic acid
Concen: 46.044 ng
RT: 7.969 min Scan# 966
Delta R.T. 0.012 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Tgt Ion:122 Resp: 134318
Ion Ratio Lower Upper
122 100
105 135.8 101.0 141.0
77 106.3 74.5 114.5





#33
4-Chloroaniline
Concen: 10.485 ng
RT: 8.275 min Scan# 1018
Delta R.T. 0.012 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

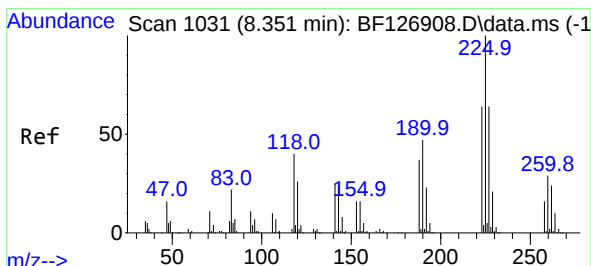
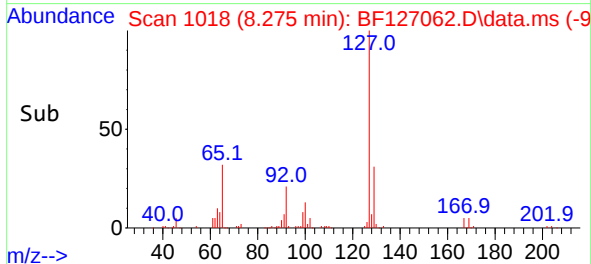
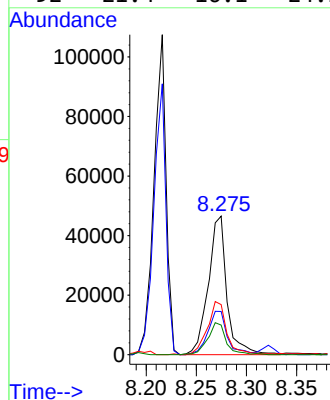
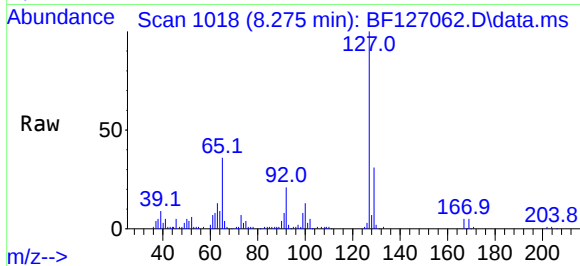
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS

Tgt Ion:127 Resp: 60530

Ion	Ratio	Lower	Upper
127	100		
129	31.1	26.5	39.7
65	36.1	26.6	39.8
92	21.4	16.1	24.1

Manual Integrations
APPROVED

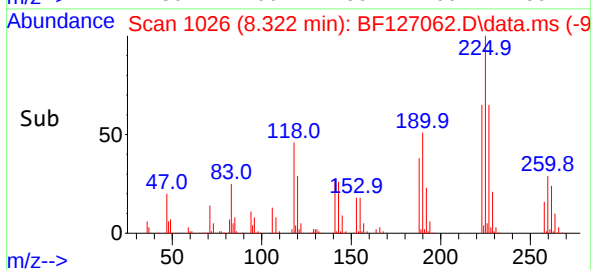
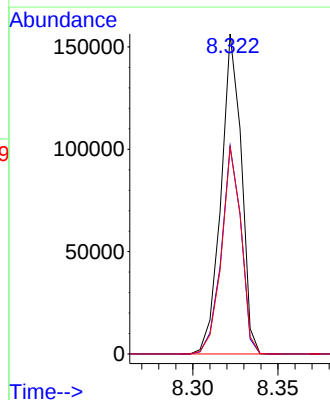
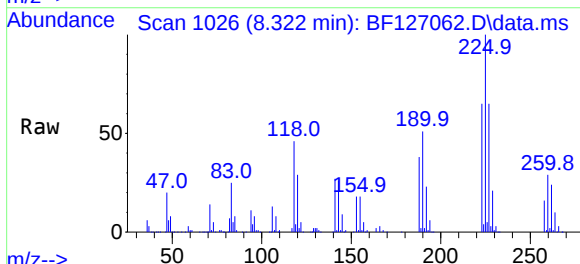
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

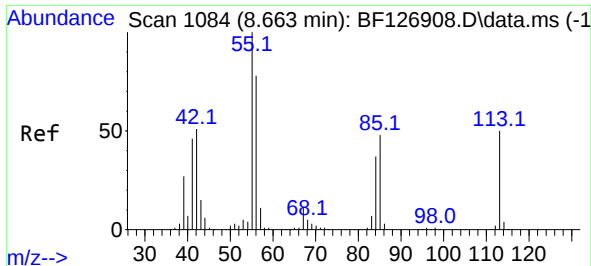


#34
Hexachlorobutadiene
Concen: 51.316 ng
RT: 8.322 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Tgt Ion:225 Resp: 129526

Ion	Ratio	Lower	Upper
225	100		
223	64.9	48.6	73.0
227	64.6	51.4	77.0





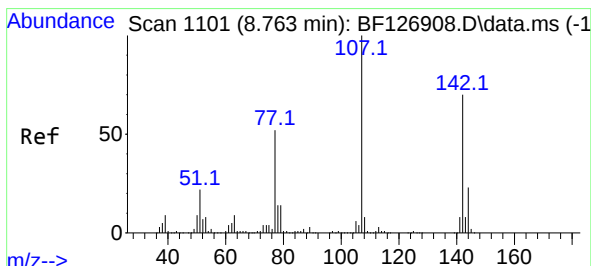
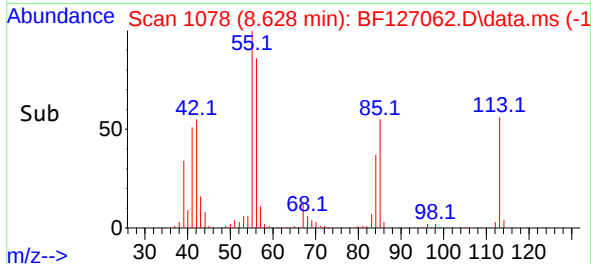
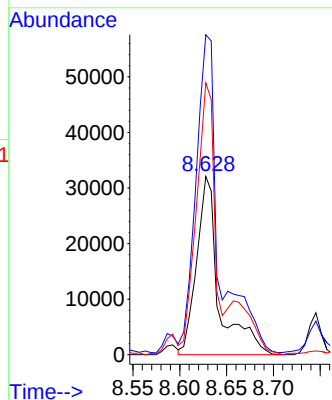
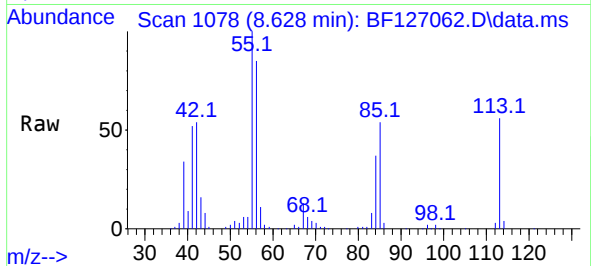
#35
Caprolactam
Concen: 39.484 ng m
RT: 8.628 min Scan# 1098
Delta R.T. -0.012 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS

Tgt Ion:113 Resp: 5332
Ion Ratio Lower Upper
113 100
55 179.5 183.9 223.9
56 152.5 129.9 169.9

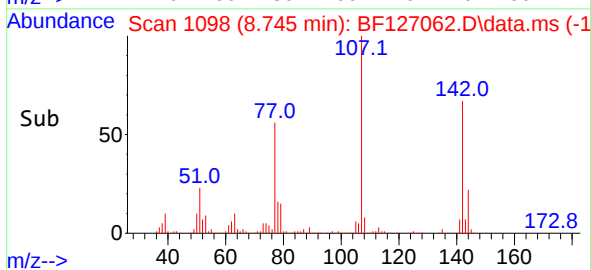
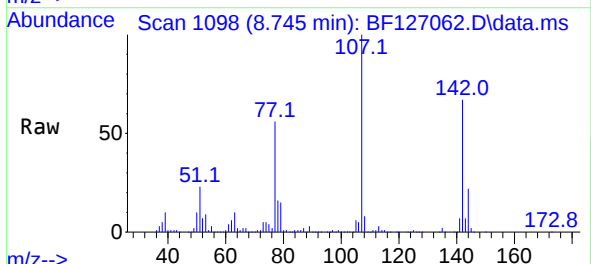
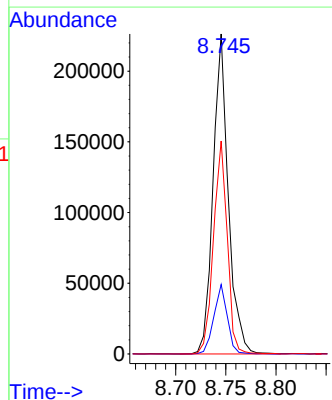
Manual Integrations
APPROVED

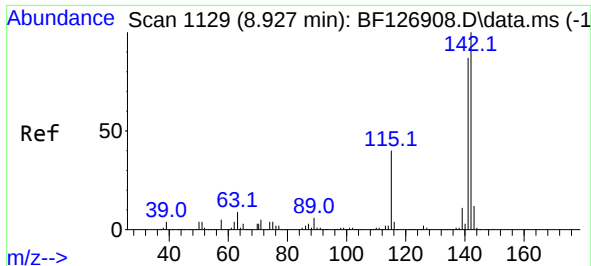
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#36
4-Chloro-3-methylphenol
Concen: 48.202 ng
RT: 8.745 min Scan# 1098
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Tgt Ion:107 Resp: 238233
Ion Ratio Lower Upper
107 100
144 21.7 18.5 27.7
142 66.6 58.1 87.1





#37

2-Methylnaphthalene

Concen: 46.543 ng

RT: 8.904 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF127062.D

Acq: 24 Feb 2022 17:33

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MS

Tgt Ion:142 Resp: 442990

Ion Ratio Lower Upper

142 100

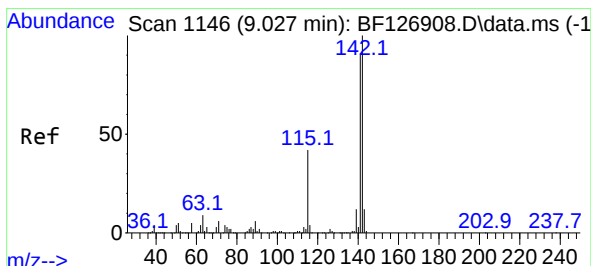
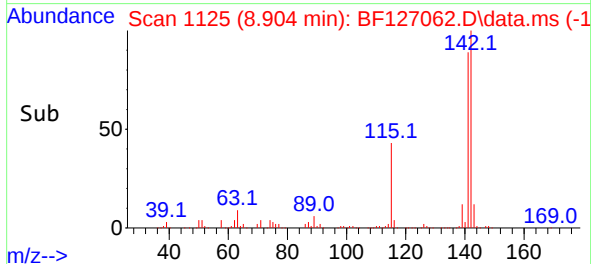
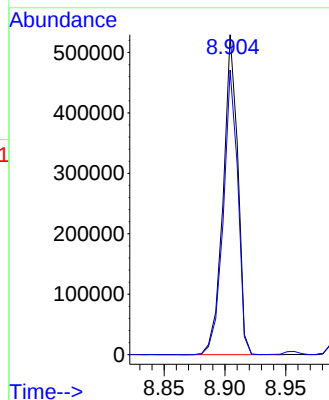
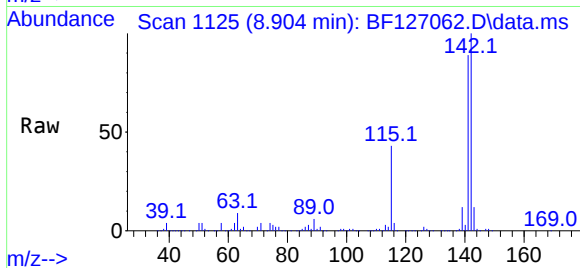
141 88.9 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/25/2022

Supervised By :Jagrut Upadhyay 02/25/2022



#38

1-Methylnaphthalene

Concen: 44.959 ng

RT: 9.004 min Scan# 1142

Delta R.T. -0.006 min

Lab File: BF127062.D

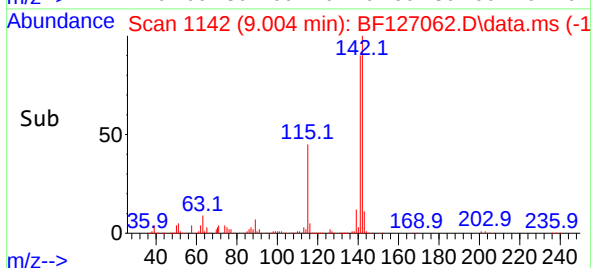
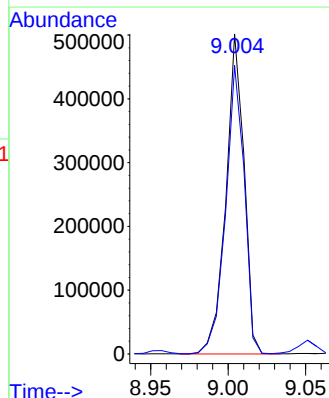
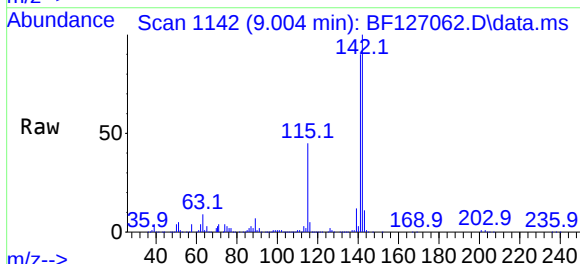
Acq: 24 Feb 2022 17:33

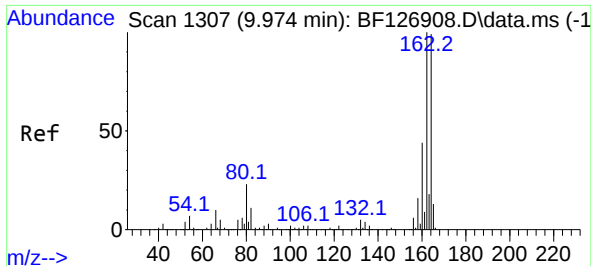
Tgt Ion:142 Resp: 409770

Ion Ratio Lower Upper

142 100

141 90.1 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.951 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF127062.D

Acq: 24 Feb 2022 17:33

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MS

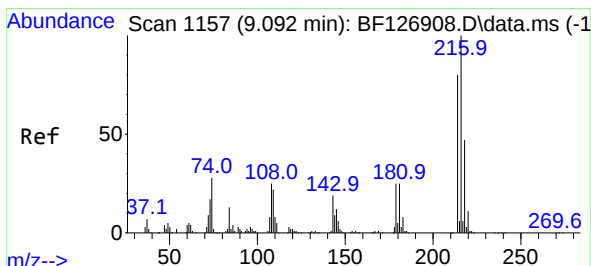
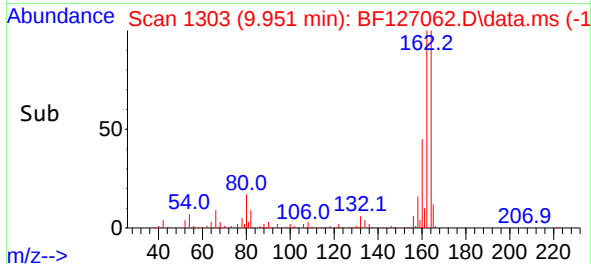
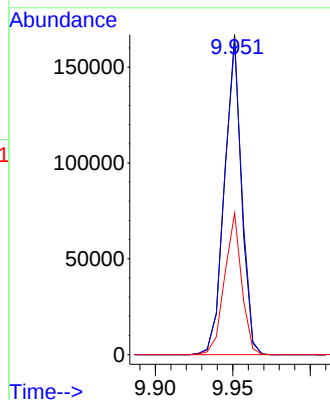
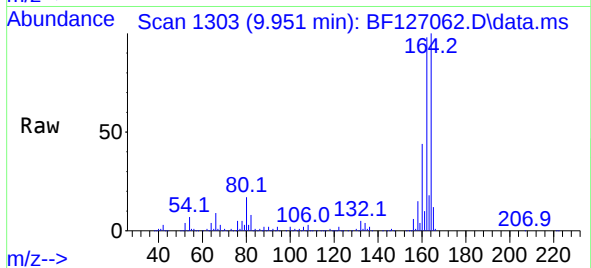
Tgt Ion:164 Resp: 12634

Ion	Ratio	Lower	Upper
164	100		
162	97.8	81.4	122.0
160	44.3	36.6	54.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 55.591 ng

RT: 9.069 min Scan# 1153

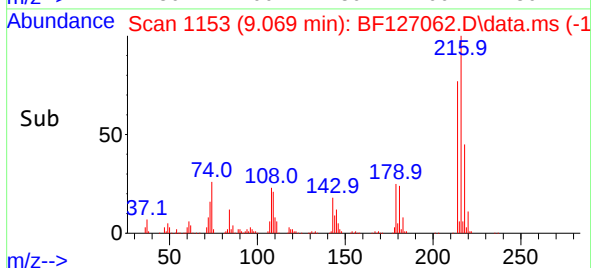
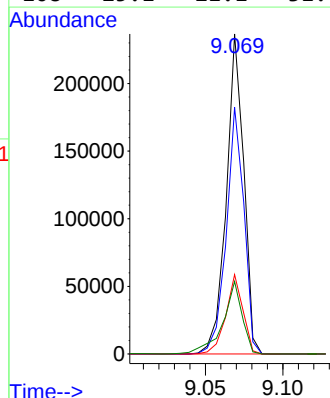
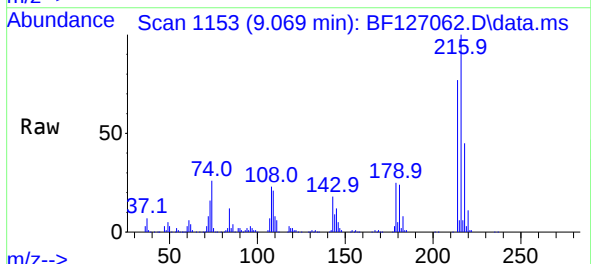
Delta R.T. -0.006 min

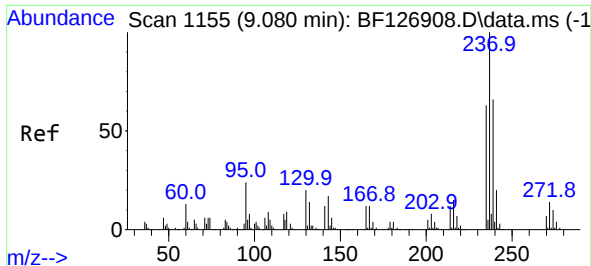
Lab File: BF127062.D

Acq: 24 Feb 2022 17:33

Tgt Ion:216 Resp: 184887

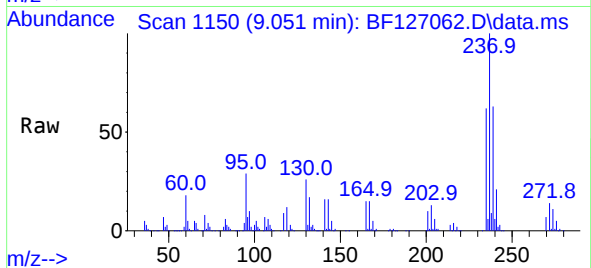
Ion	Ratio	Lower	Upper
216	100		
214	77.8	64.6	96.8
179	24.3	19.5	29.3
108	25.1	21.1	31.7





#41
Hexachlorocyclopentadiene
Concen: 64.511 ng
RT: 9.051 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

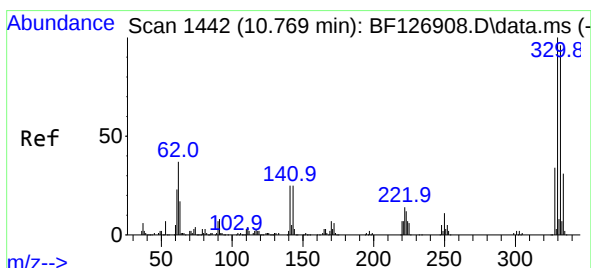
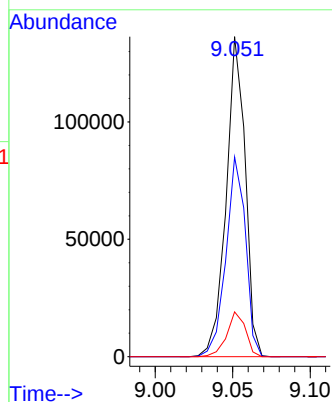
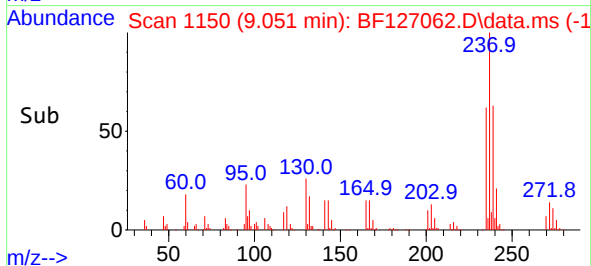
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



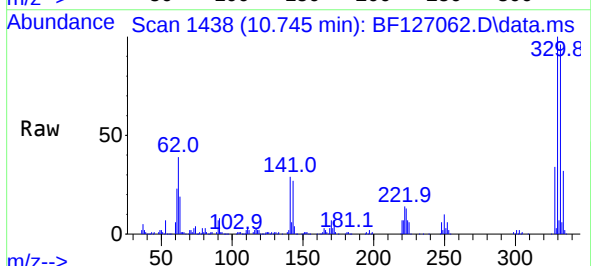
Tgt Ion:237 Resp: 11636
Ion Ratio Lower Upper
237 100
235 62.4 38.9 78.9
272 14.0 0.0 33.5

Manual Integrations
APPROVED

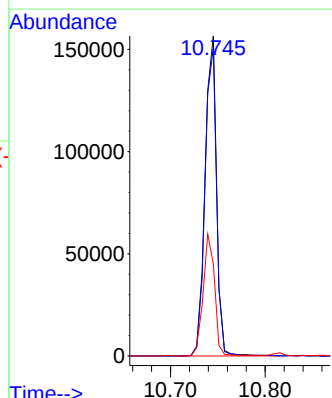
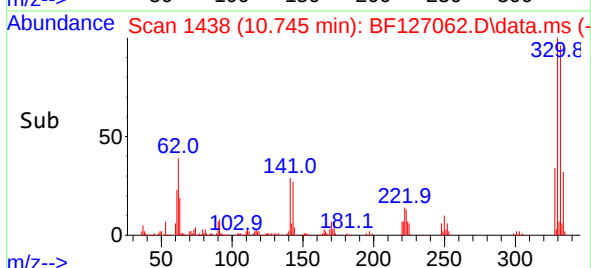
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

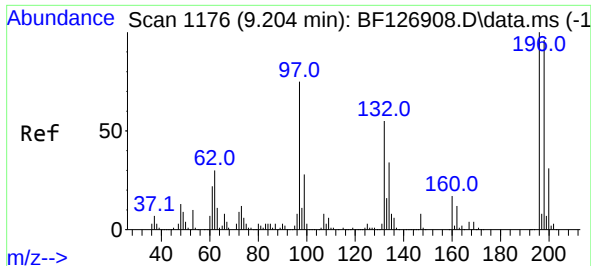


#42
2,4,6-Tribromophenol
Concen: 90.348 ng
RT: 10.745 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



Tgt Ion:330 Resp: 131429
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 38.3 30.1 45.1





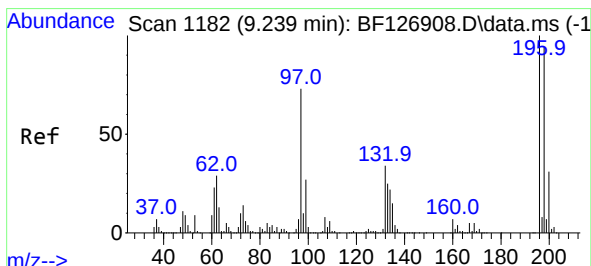
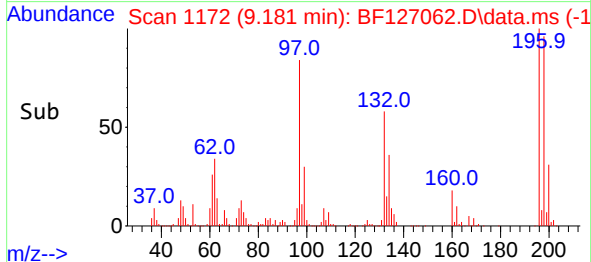
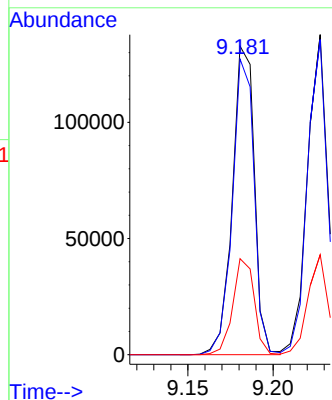
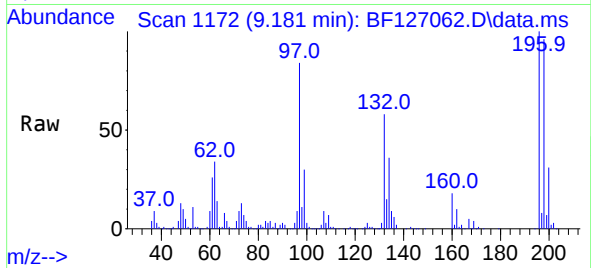
#43
2,4,6-Trichlorophenol
Concen: 49.004 ng
RT: 9.181 min Scan# 1175
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS

Tgt Ion:196 Resp: 11953
Ion Ratio Lower Upper
196 100
198 95.8 78.5 117.7
200 31.1 24.9 37.3

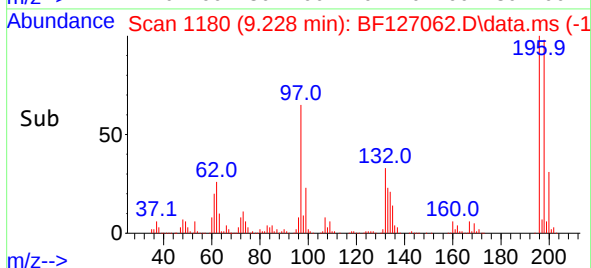
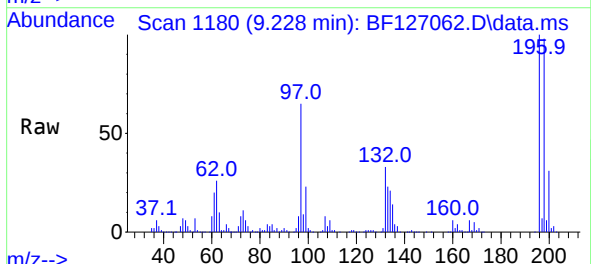
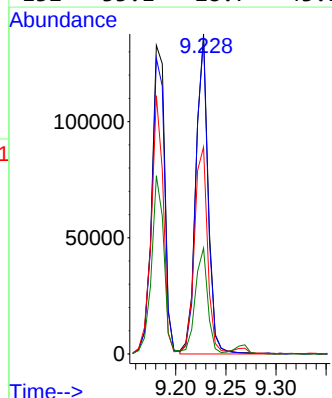
Manual Integrations
APPROVED

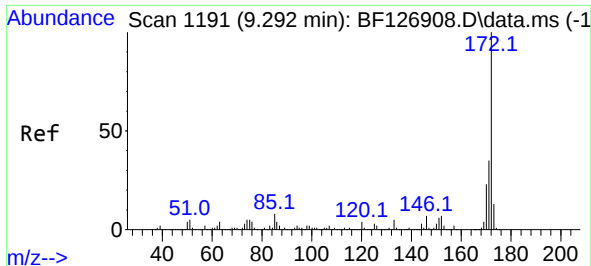
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#44
2,4,5-Trichlorophenol
Concen: 45.952 ng
RT: 9.228 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

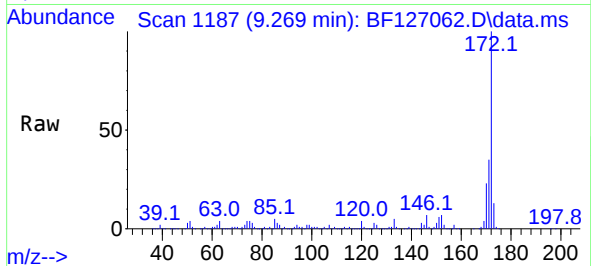
Tgt Ion:196 Resp: 117955
Ion Ratio Lower Upper
196 100
198 98.5 82.0 123.0
97 64.6 53.5 80.3
132 33.1 28.7 43.1





#45
2-Fluorobiphenyl
Concen: 73.456 ng
RT: 9.269 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

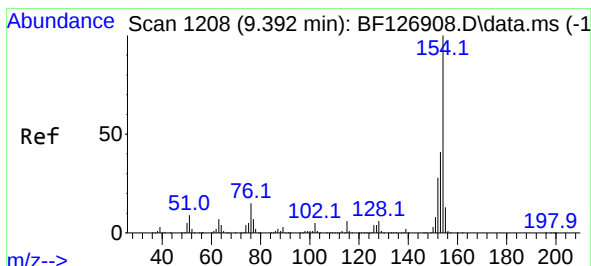
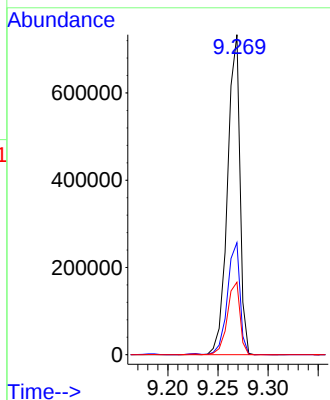
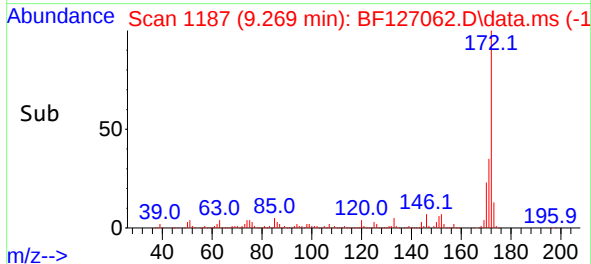
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



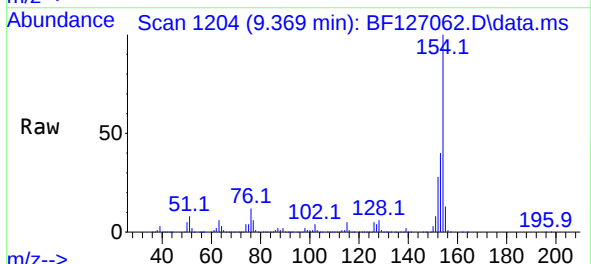
Tgt Ion:172 Resp: 63042
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 22.6 19.0 28.6

Manual Integrations
APPROVED

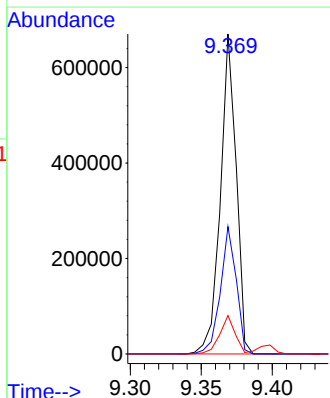
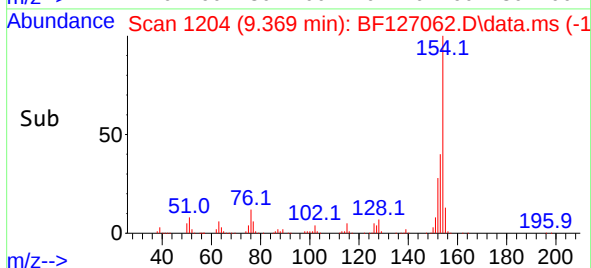
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#46
1,1'-Biphenyl
Concen: 51.550 ng
RT: 9.369 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



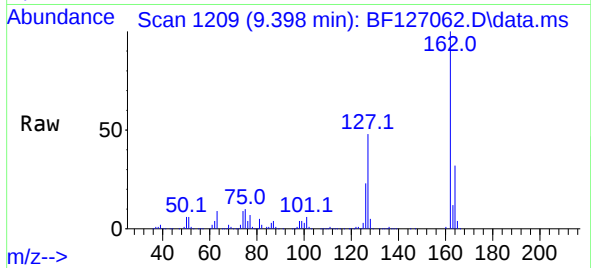
Tgt Ion:154 Resp: 516024
Ion Ratio Lower Upper
154 100
153 39.8 19.0 59.0
76 12.0 0.0 34.5





#47
2-Chloronaphthalene
Concen: 49.679 ng
RT: 9.398 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

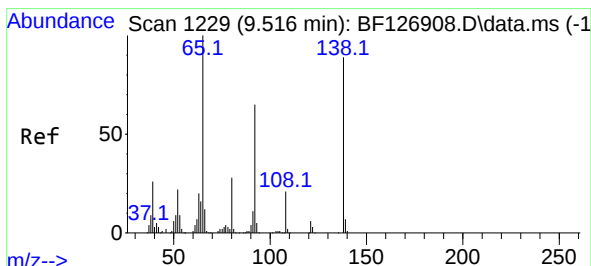
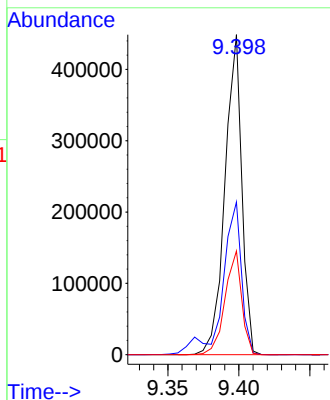
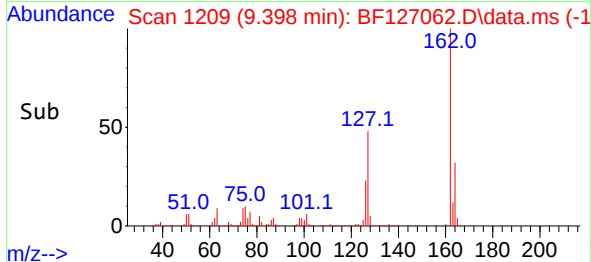
Instrument : BNA_F
ClientSampleId : NW-SURFICIAL-SOIL-(NW-SS)MS



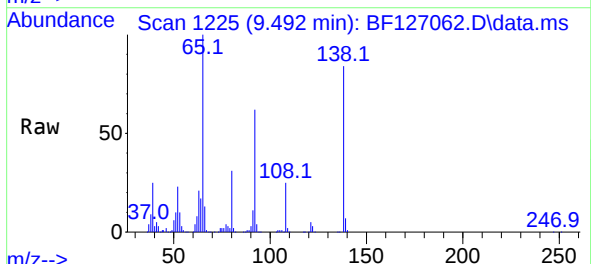
Tgt Ion:162 Resp: 36877
Ion Ratio Lower Upper
162 100
127 47.7 33.5 50.3
164 32.4 26.2 39.4

Manual Integrations
APPROVED

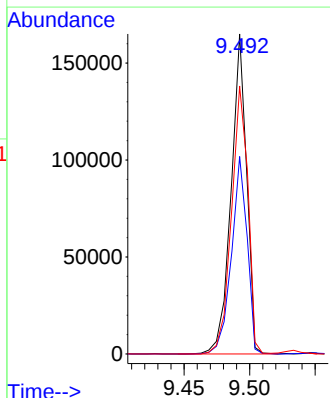
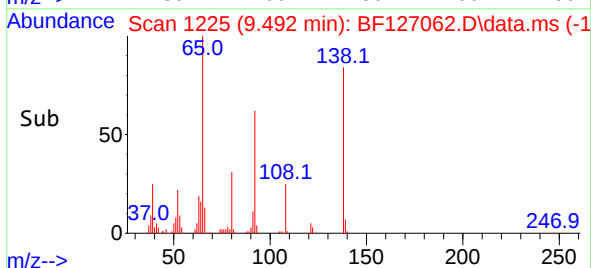
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

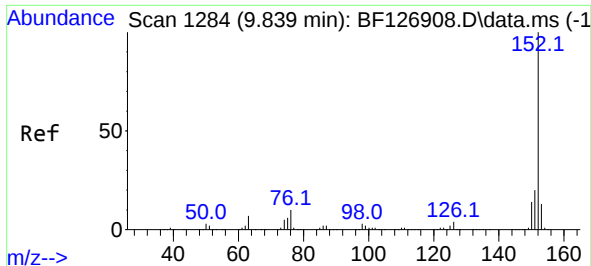


#48
2-Nitroaniline
Concen: 46.254 ng
RT: 9.492 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



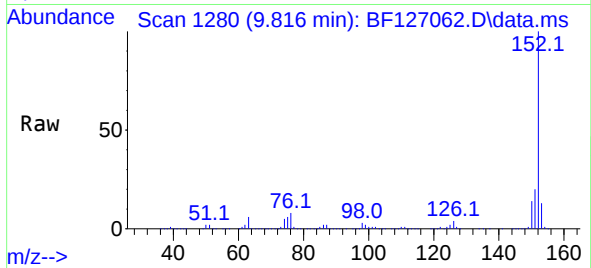
Tgt Ion: 65 Resp: 135490
Ion Ratio Lower Upper
65 100
92 61.7 54.4 81.6
138 83.7 72.5 108.7





#49
Acenaphthylene
Concen: 48.304 ng
RT: 9.816 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

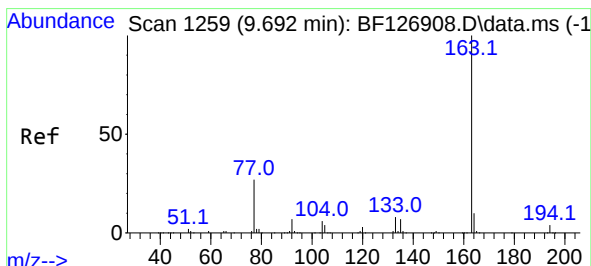
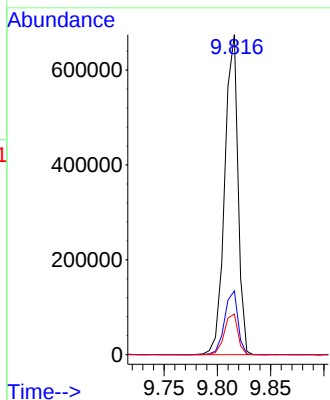
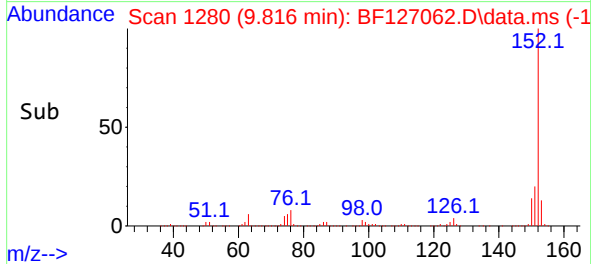
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



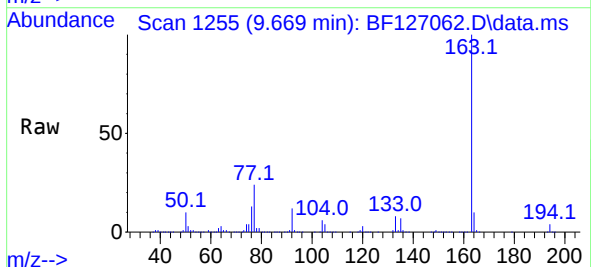
Tgt Ion:152 Resp: 582430
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 12.7 11.4 17.0

Manual Integrations
APPROVED

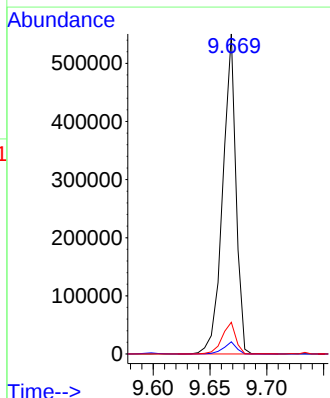
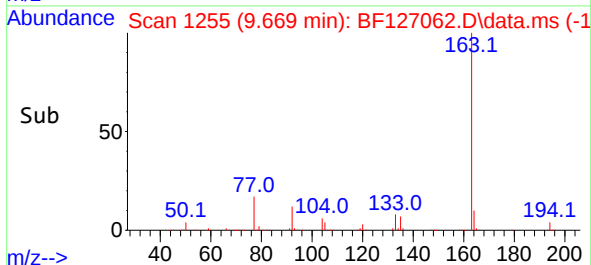
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

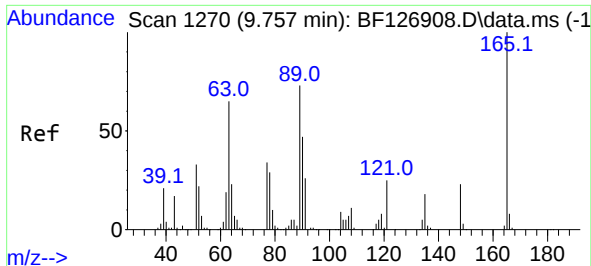


#50
Dimethylphthalate
Concen: 49.531 ng
RT: 9.669 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



Tgt Ion:163 Resp: 447313
Ion Ratio Lower Upper
163 100
194 3.8 2.6 3.8
164 9.9 7.8 11.8





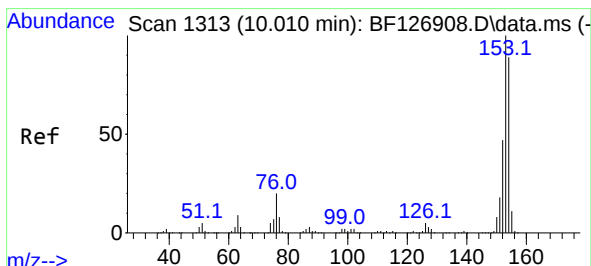
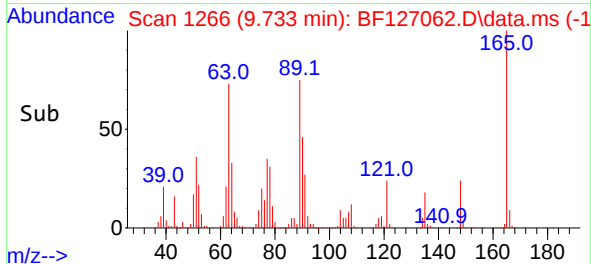
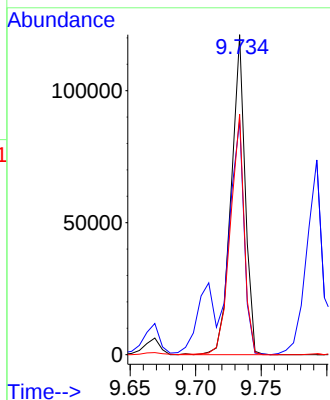
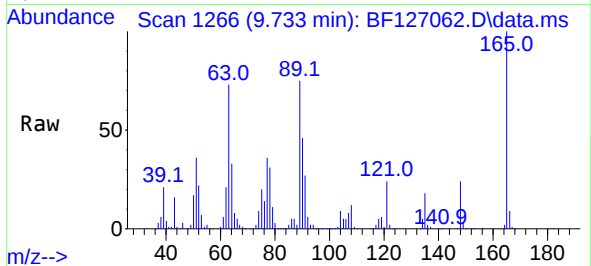
#51
2,6-Dinitrotoluene
Concen: 48.915 ng
RT: 9.733 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS

Tgt Ion:165 Resp: 89875
Ion Ratio Lower Upper
165 100
63 73.2 48.4 72.6
89 75.1 50.5 75.7

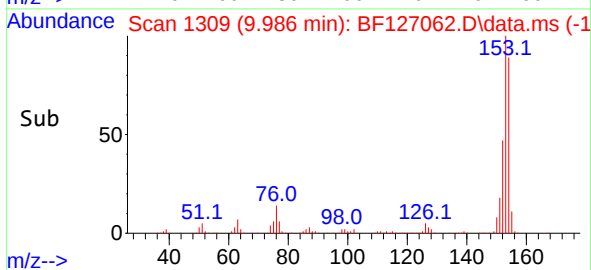
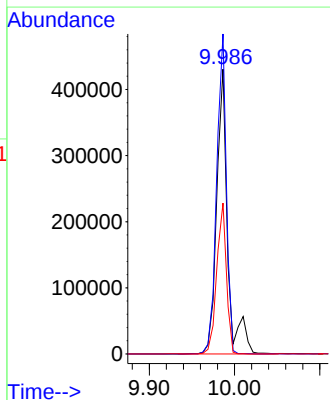
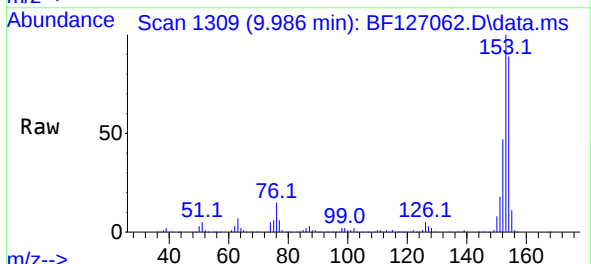
Manual Integrations
APPROVED

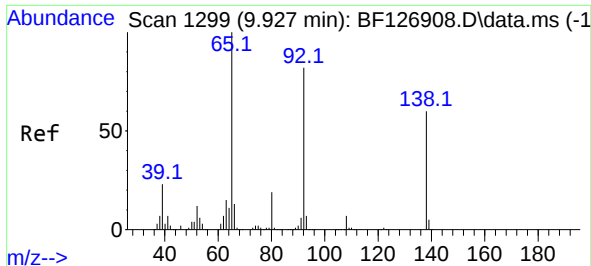
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#52
Acenaphthene
Concen: 49.094 ng
RT: 9.986 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

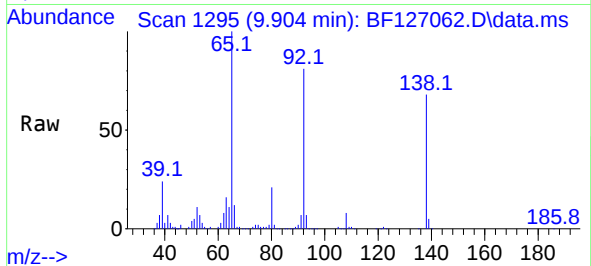
Tgt Ion:154 Resp: 384988
Ion Ratio Lower Upper
154 100
153 112.3 87.8 131.6
152 53.0 39.4 59.2





#53
3-Nitroaniline
Concen: 24.816 ng
RT: 9.904 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

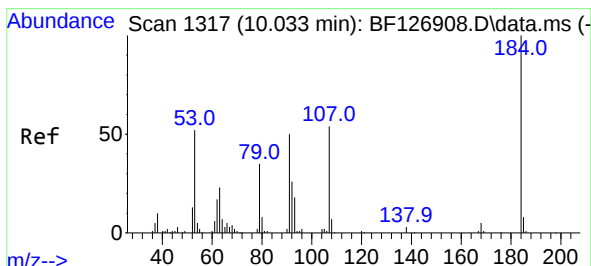
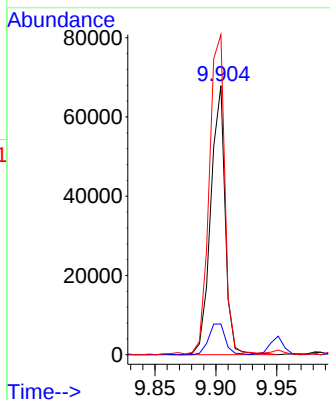
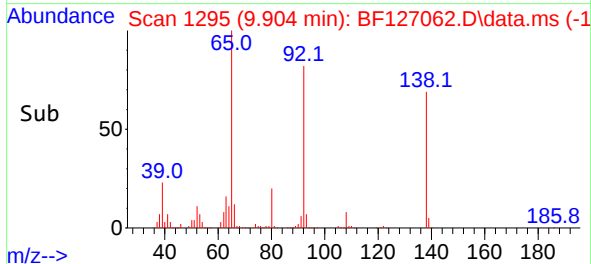
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



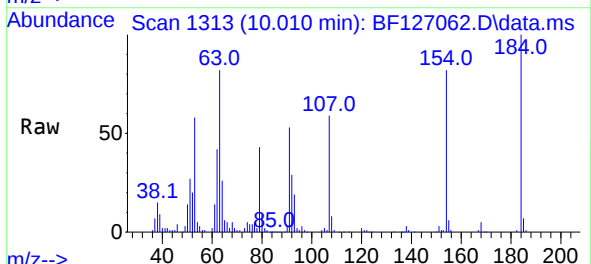
Tgt Ion:138 Resp: 55730
Ion Ratio Lower Upper
138 100
108 11.4 8.6 13.0
92 119.0 105.0 157.6

Manual Integrations
APPROVED

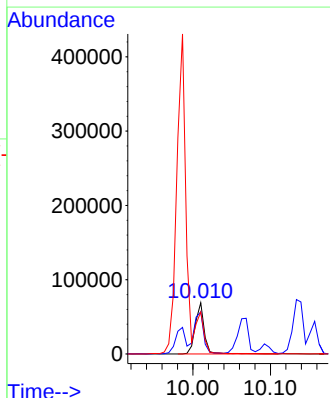
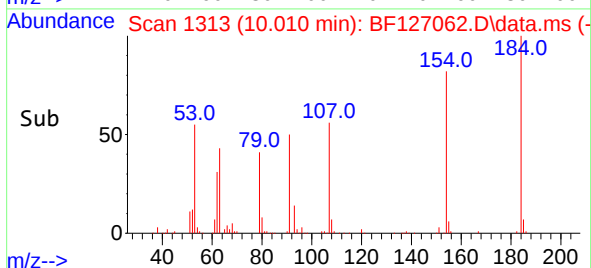
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

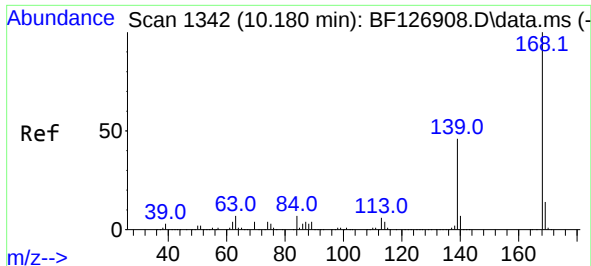


#54
2,4-Dinitrophenol
Concen: 57.621 ng
RT: 10.010 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



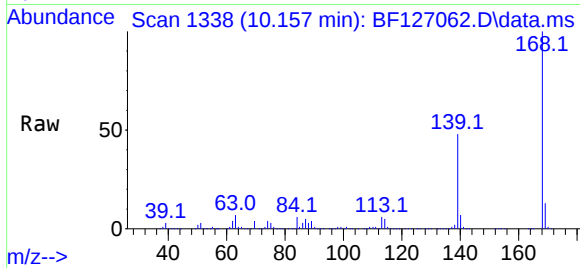
Tgt Ion:184 Resp: 56038
Ion Ratio Lower Upper
184 100
63 82.1 70.4 105.6
154 82.0 49.7 74.5





#55
Dibenzenofuran
Concen: 44.677 ng
RT: 10.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

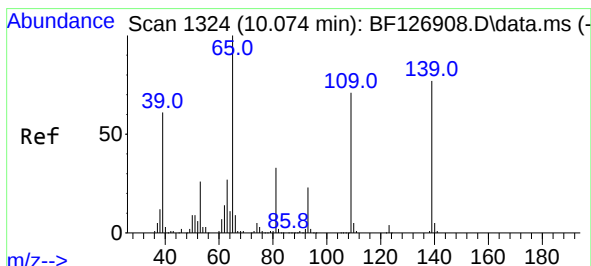
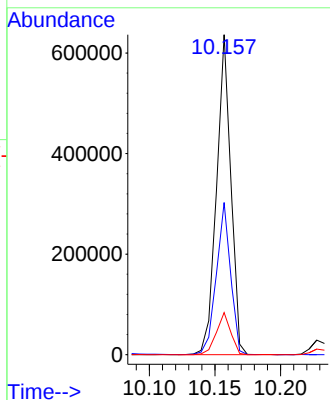
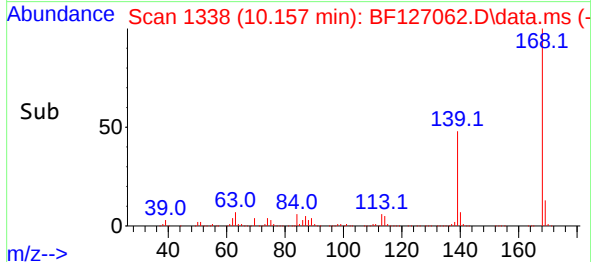
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



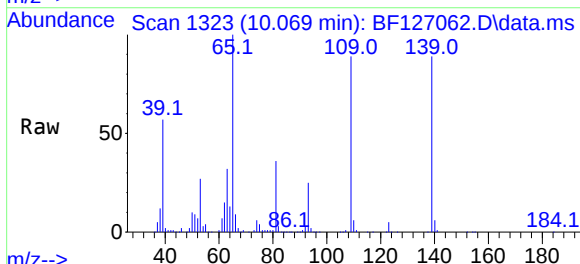
Tgt Ion:168 Resp: 481752
Ion Ratio Lower Upper
168 100
139 47.5 30.6 46.0
169 13.2 10.0 15.0

Manual Integrations
APPROVED

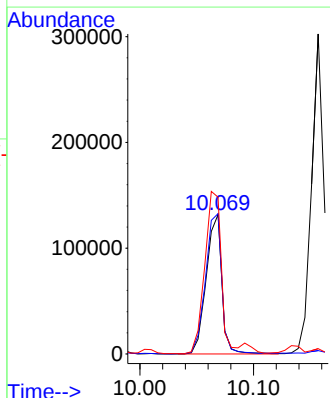
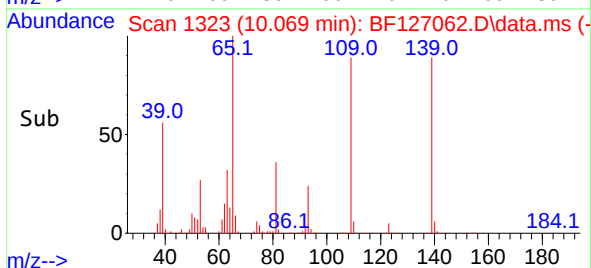
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

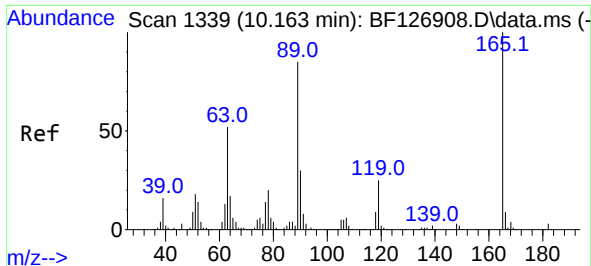


#56
4-Nitrophenol
Concen: 75.506 ng
RT: 10.069 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



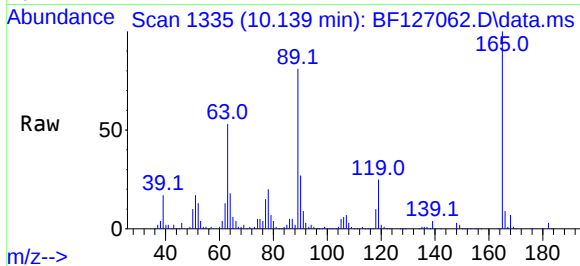
Tgt Ion:139 Resp: 125252
Ion Ratio Lower Upper
139 100
109 100.7 44.1 84.1#
65 112.5 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 45.357 ng
RT: 10.139 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

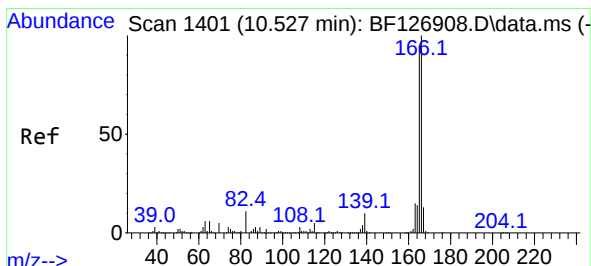
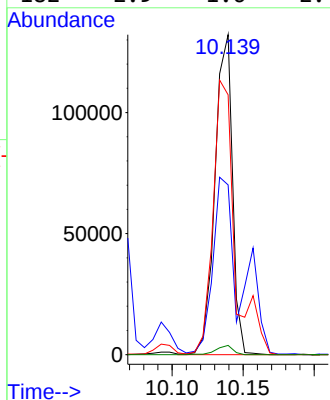
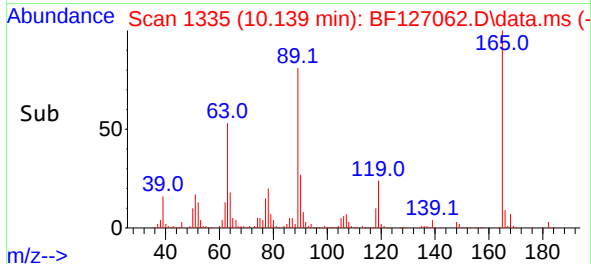
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



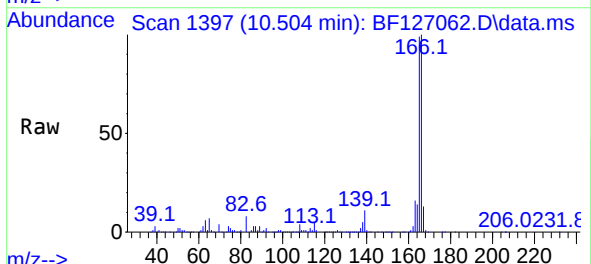
Tgt Ion:165 Resp: 112680
Ion Ratio Lower Upper
165 100
63 53.0 43.0 64.6
89 81.2 71.0 106.4
182 2.9 1.6 2.4#

Manual Integrations
APPROVED

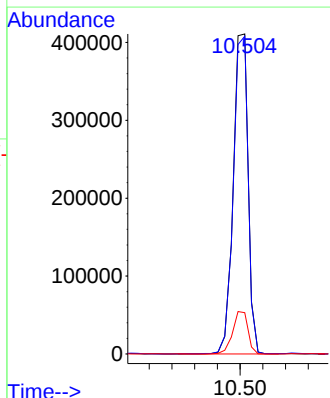
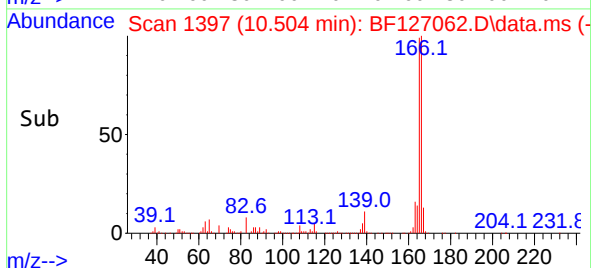
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

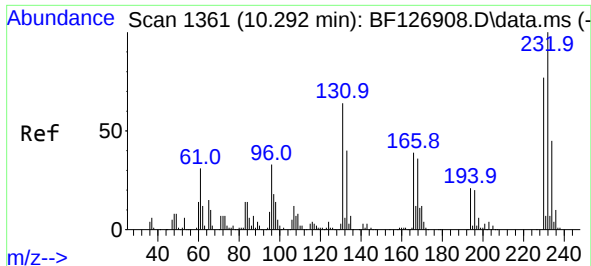


#58
Fluorene
Concen: 44.424 ng
RT: 10.504 min Scan# 1397
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



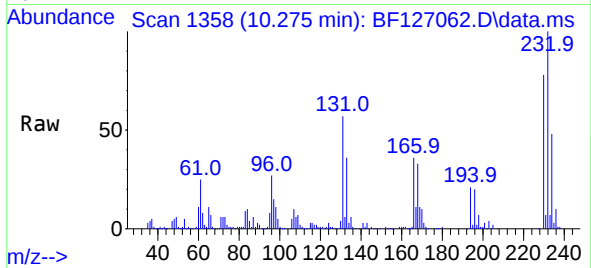
Tgt Ion:166 Resp: 373130
Ion Ratio Lower Upper
166 100
165 99.3 77.7 116.5
167 12.9 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.495 ng
RT: 10.275 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

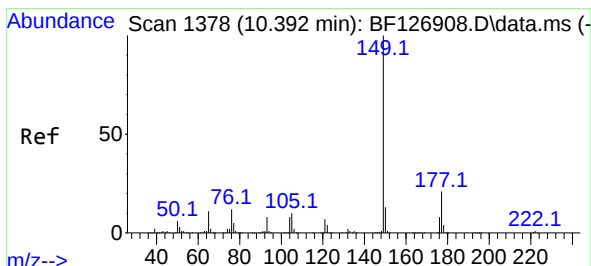
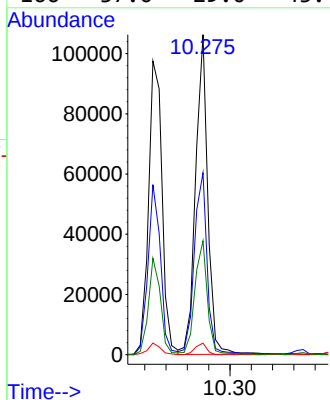
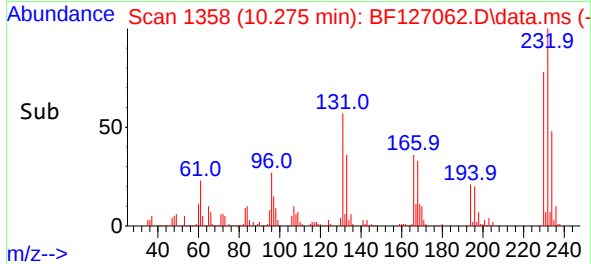
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



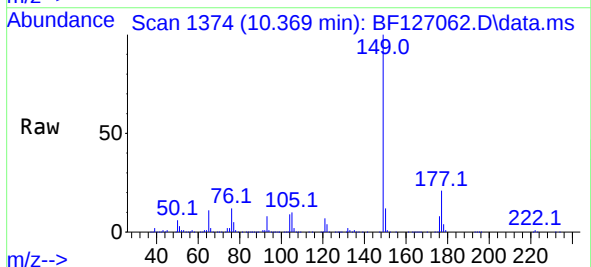
Tgt Ion:232 Resp: 8444
Ion Ratio Lower Upper
232 100
131 59.6 50.0 75.0
130 3.5 2.2 3.2
166 37.0 29.0 43.4

Manual Integrations
APPROVED

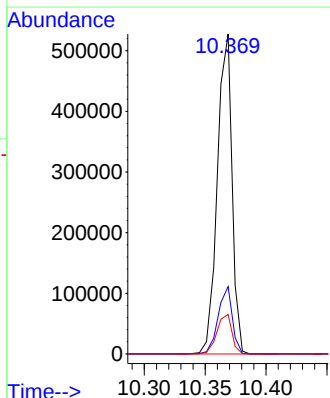
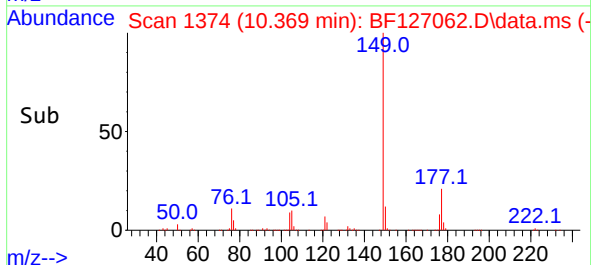
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

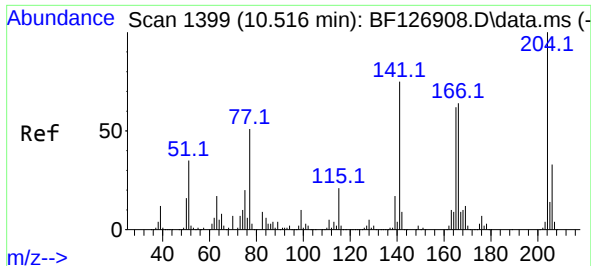


#60
Diethylphthalate
Concen: 46.989 ng
RT: 10.369 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



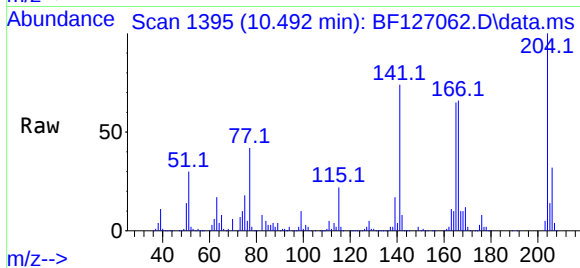
Tgt Ion:149 Resp: 443411
Ion Ratio Lower Upper
149 100
177 21.1 16.7 25.1
150 12.4 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 45.471 ng
RT: 10.492 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

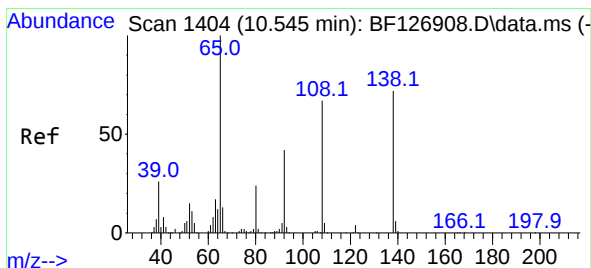
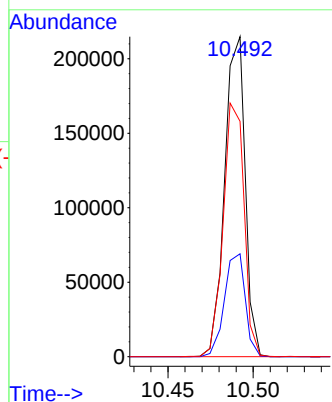
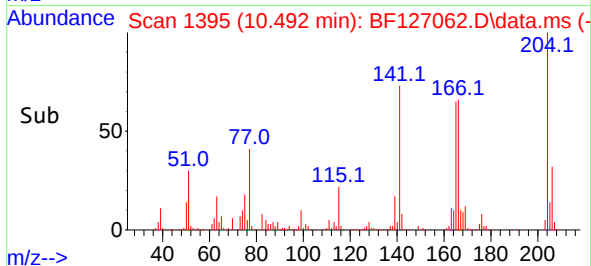
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



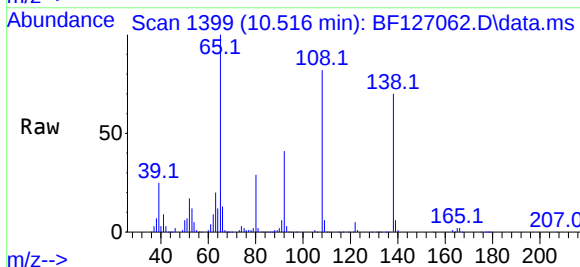
Tgt Ion:204 Resp: 18009
Ion Ratio Lower Upper
204 100
206 32.2 26.3 39.5
141 73.5 59.0 88.6

Manual Integrations
APPROVED

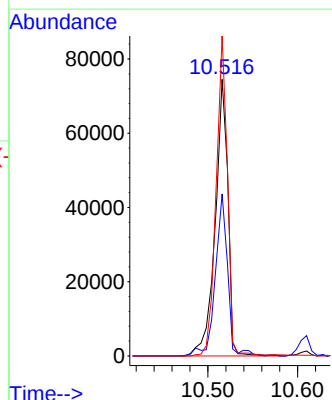
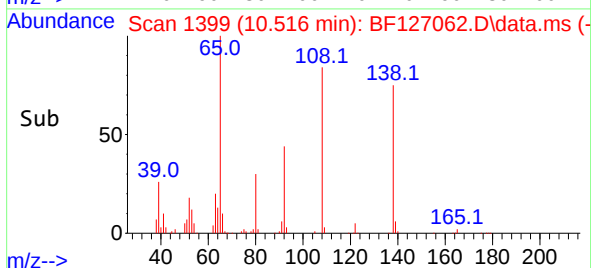
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

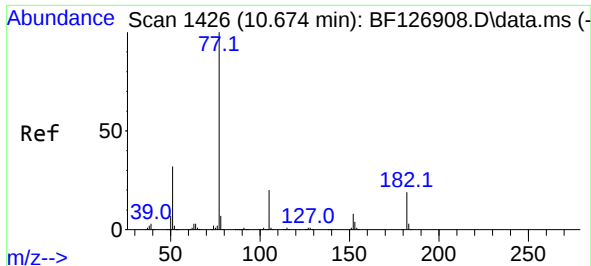


#62
4-Nitroaniline
Concen: 33.082 ng
RT: 10.516 min Scan# 1399
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



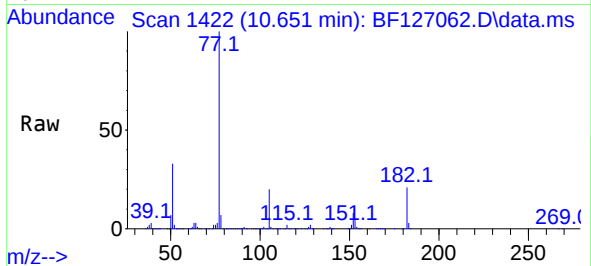
Tgt Ion:138 Resp: 73371
Ion Ratio Lower Upper
138 100
92 58.6 36.2 76.2
108 115.6 46.7 86.7#





#63
Azobenzene
Concen: 40.341 ng
RT: 10.651 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

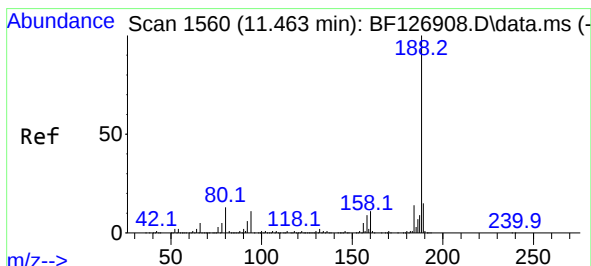
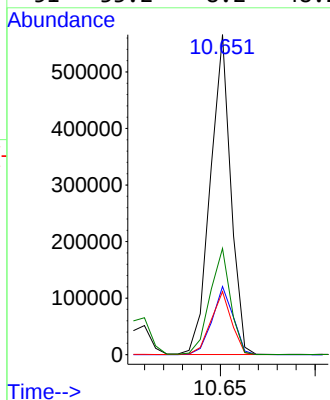
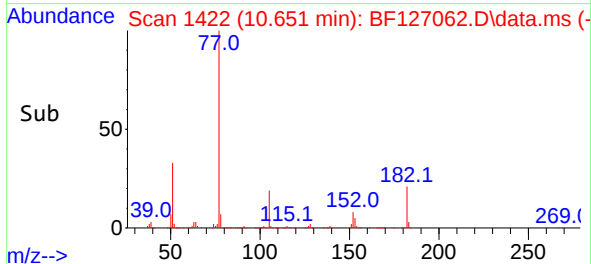
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



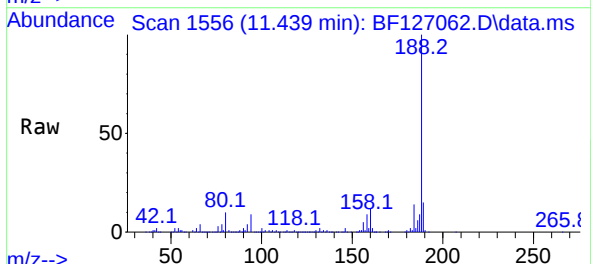
Tgt Ion: 77 Resp: 423890
Ion Ratio Lower Upper
77 100
182 21.3 0.0 39.0
105 19.7 3.2 43.2
51 33.2 8.2 48.2

Manual Integrations
APPROVED

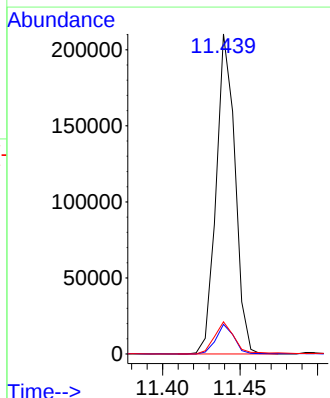
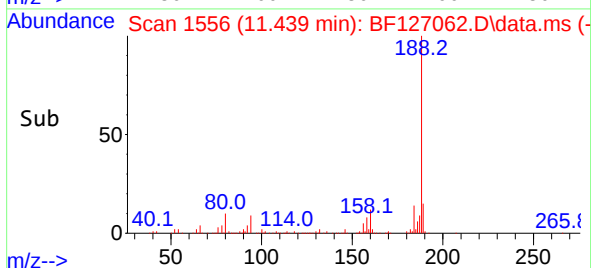
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

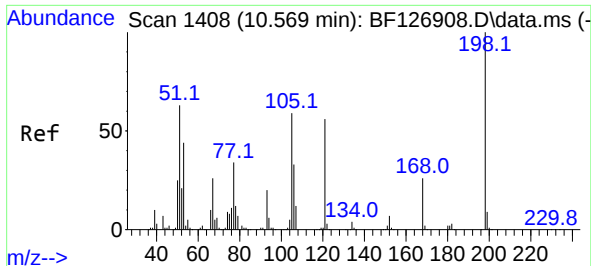


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



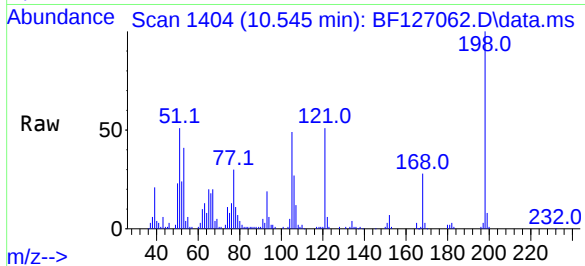
Tgt Ion:188 Resp: 177881
Ion Ratio Lower Upper
188 100
94 9.3 10.1 15.1#
80 10.0 11.8 17.6#





#65
4,6-Dinitro-2-methylphenol
Concen: 32.603 ng
RT: 10.545 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

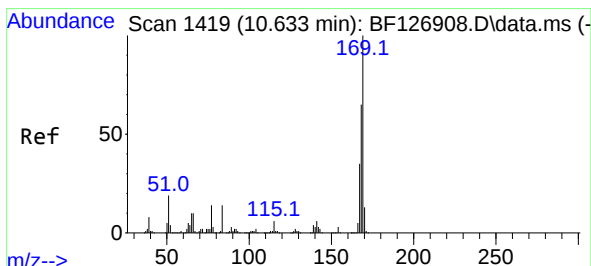
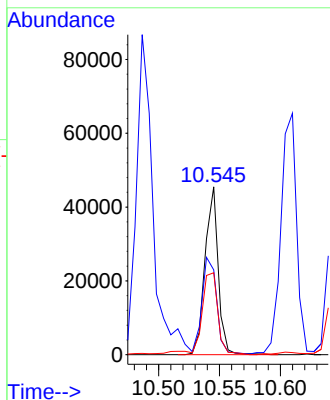
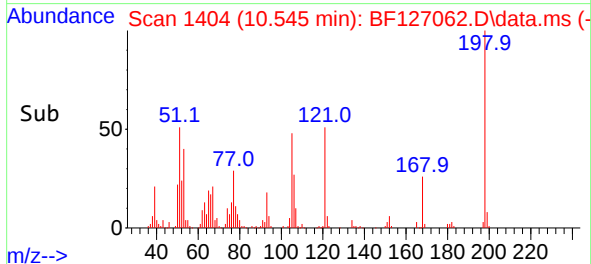
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



Tgt Ion:198 Resp: 34070
Ion Ratio Lower Upper
198 100
51 50.5 32.0 72.0
105 48.8 32.7 72.7

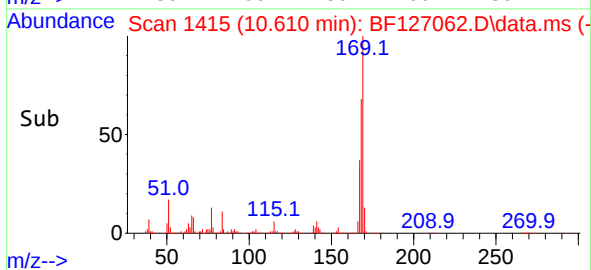
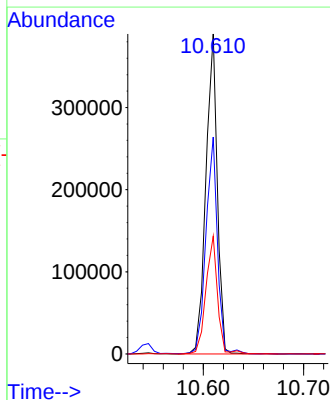
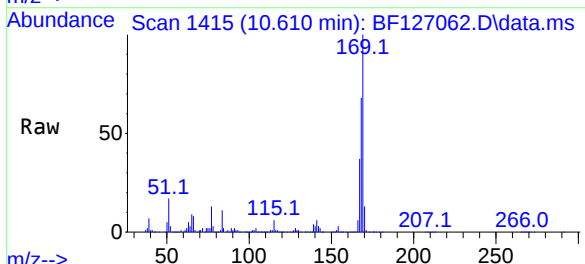
Manual Integrations
APPROVED

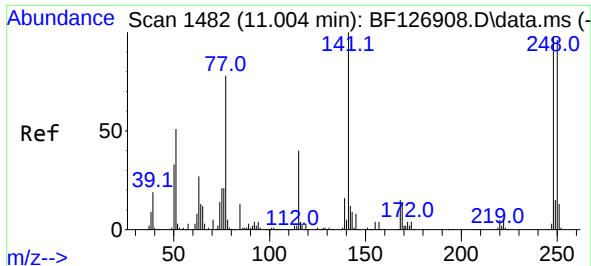
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#66
n-Nitrosodiphenylamine
Concen: 53.119 ng
RT: 10.610 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

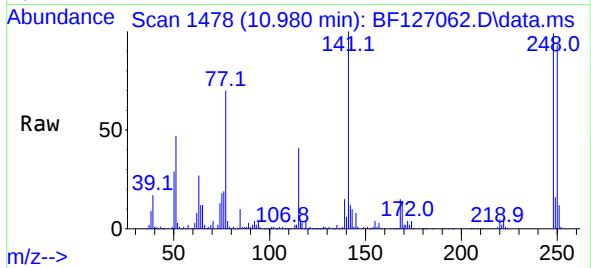
Tgt Ion:169 Resp: 309836
Ion Ratio Lower Upper
169 100
168 67.8 53.4 80.0
167 36.8 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 53.241 ng
RT: 10.980 min Scan# 1482
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

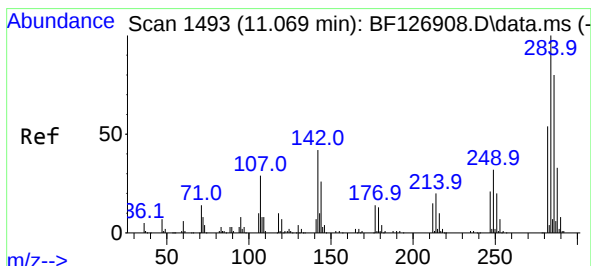
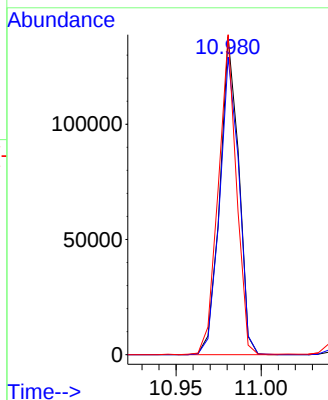
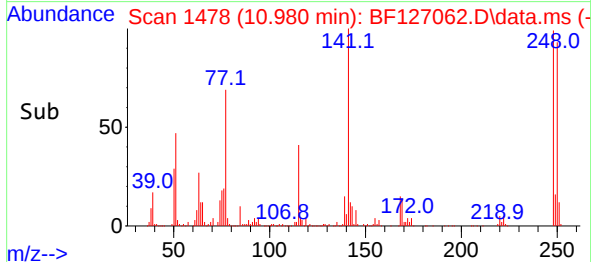
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



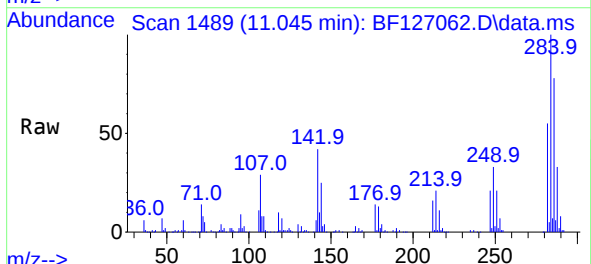
Tgt Ion:248 Resp: 105815
Ion Ratio Lower Upper
248 100
250 93.5 76.2 114.4
141 100.6 66.2 99.4

Manual Integrations
APPROVED

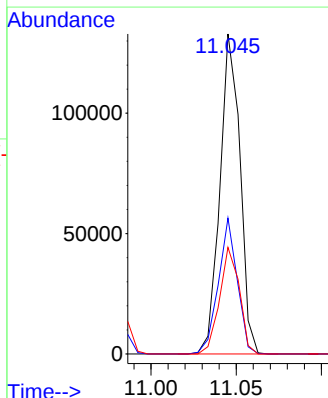
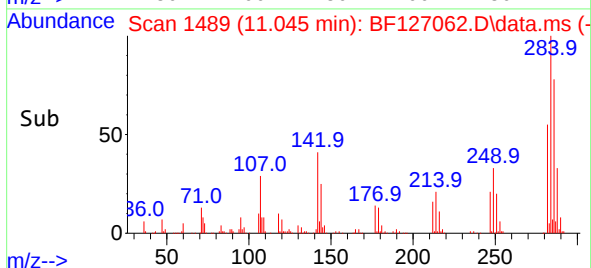
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

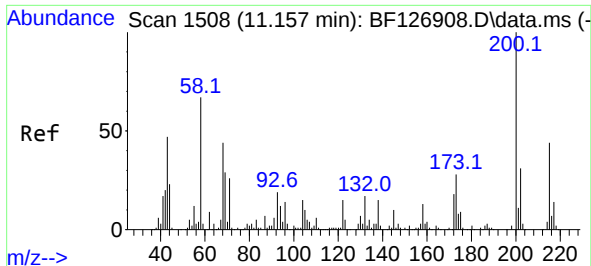


#68
Hexachlorobenzene
Concen: 50.925 ng
RT: 11.045 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



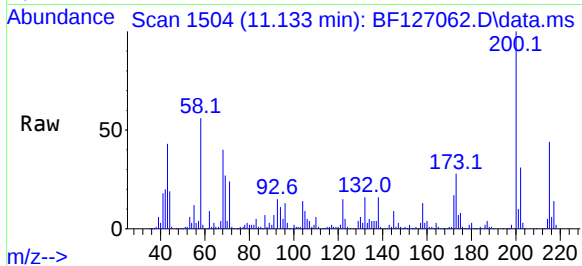
Tgt Ion:284 Resp: 108958
Ion Ratio Lower Upper
284 100
142 42.4 30.7 46.1
249 33.3 21.1 31.7





#69
Atrazine
Concen: 51.722 ng
RT: 11.133 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

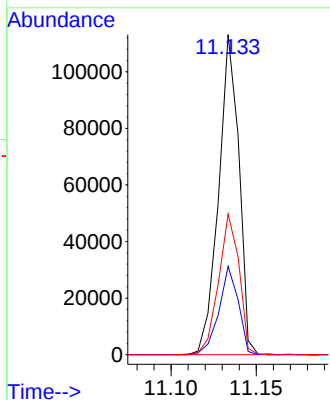
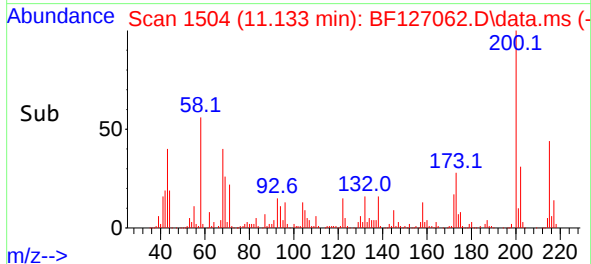
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



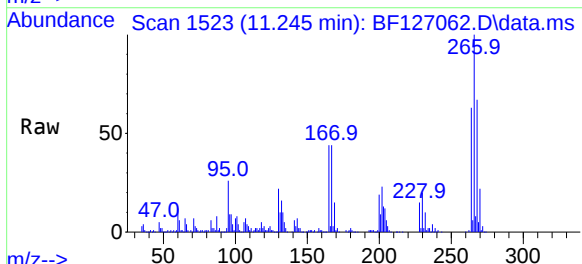
Tgt Ion:200 Resp: 93569
Ion Ratio Lower Upper
200 100
173 27.6 9.2 49.2
215 44.0 23.2 63.2

Manual Integrations
APPROVED

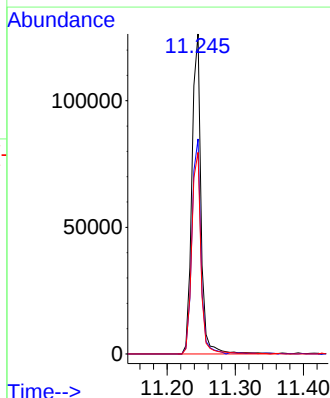
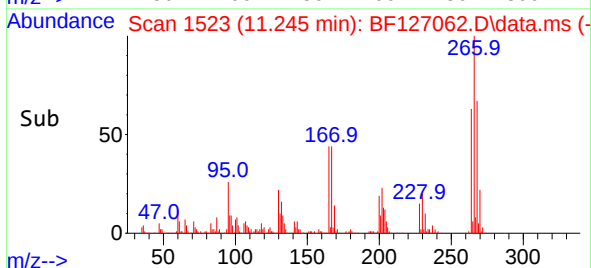
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

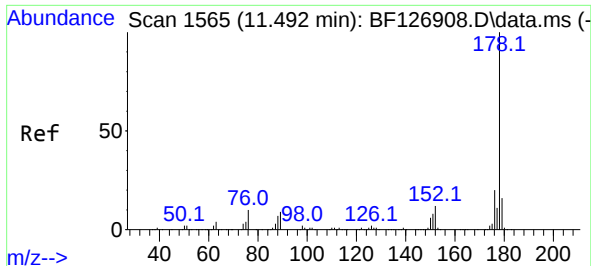


#70
Pentachlorophenol
Concen: 99.074 ng
RT: 11.245 min Scan# 1523
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



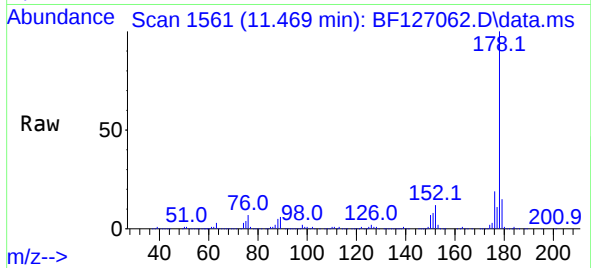
Tgt Ion:266 Resp: 115714
Ion Ratio Lower Upper
266 100
268 67.2 52.3 78.5
264 63.0 50.4 75.6





#71
Phenanthrene
Concen: 51.528 ng
RT: 11.469 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

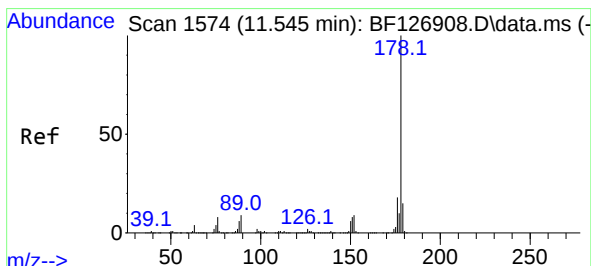
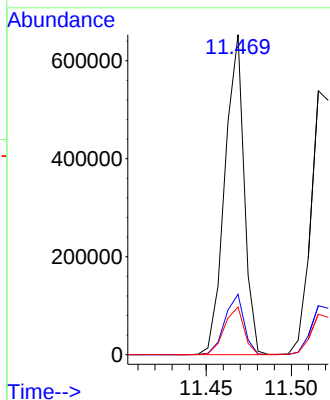
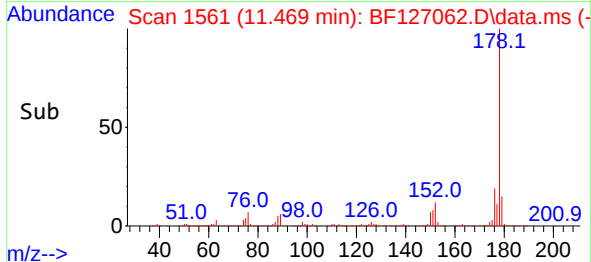
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



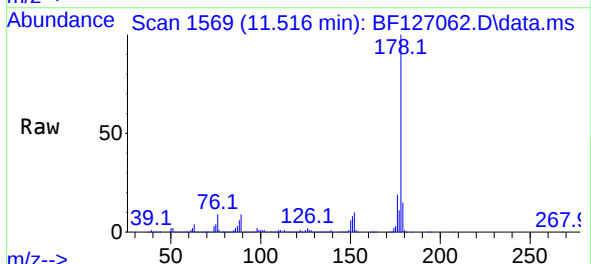
Tgt Ion:178 Resp: 513030
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 14.9 12.3 18.5

Manual Integrations
APPROVED

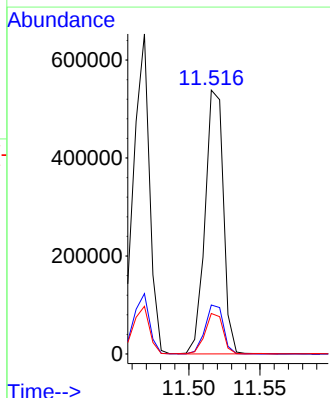
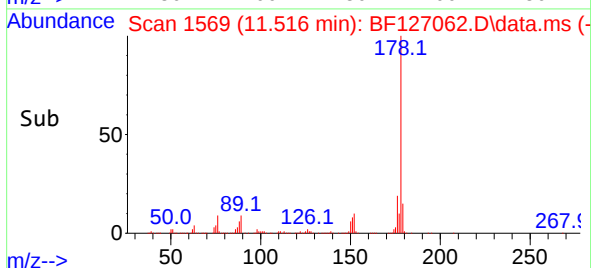
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

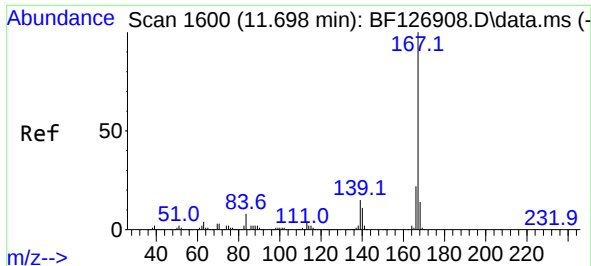


#72
Anthracene
Concen: 48.848 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



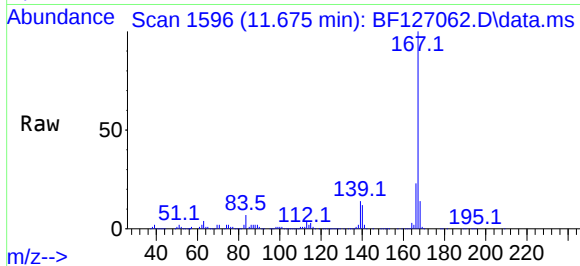
Tgt Ion:178 Resp: 484165
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.4 12.5 18.7





#73
 Carbazole
 Concen: 42.951 ng
 RT: 11.675 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127062.D
 Acq: 24 Feb 2022 17:33

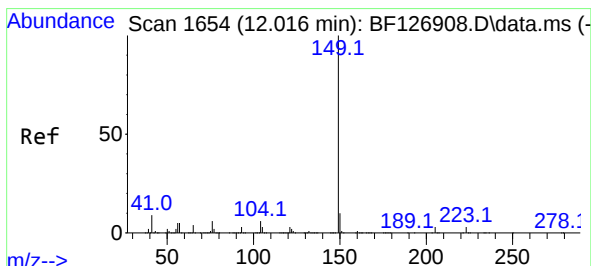
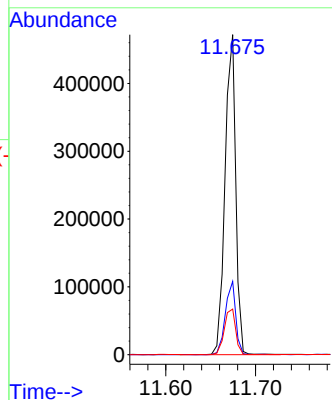
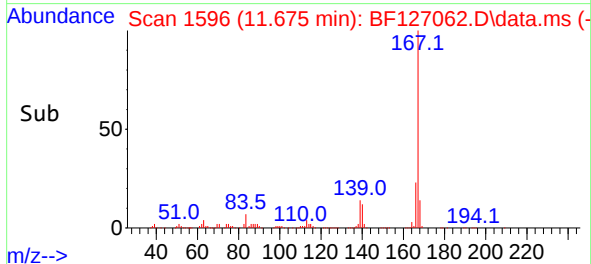
Instrument :
 BNA_F
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)MS



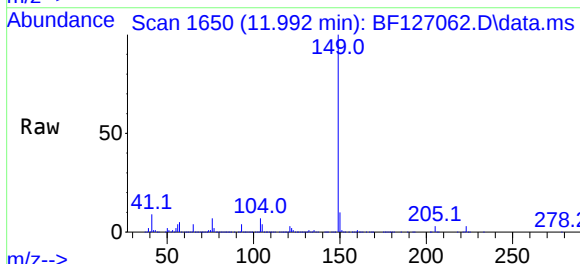
Tgt Ion:167 Resp: 39040
 Ion Ratio Lower Upper
 167 100
 166 22.9 16.9 25.3
 139 14.3 11.3 16.9

Manual Integrations
 APPROVED

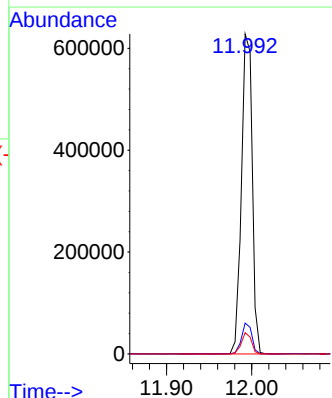
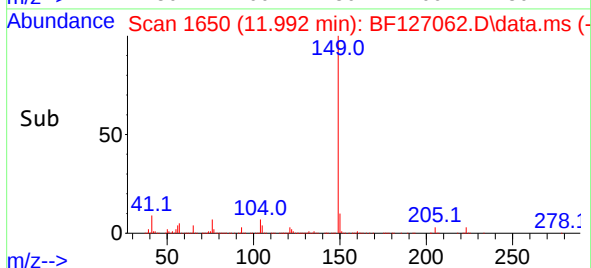
Reviewed By :Christian Giraldo 02/25/2022
 Supervised By :Jagrut Upadhyay 02/25/2022

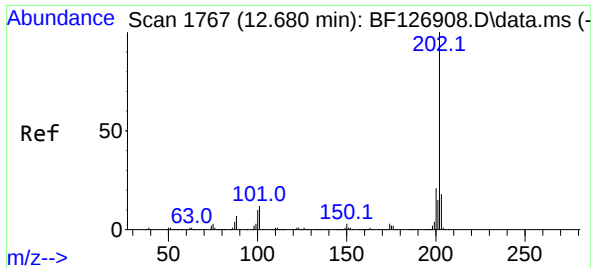


#74
 Di-n-butylphthalate
 Concen: 47.342 ng
 RT: 11.992 min Scan# 1650
 Delta R.T. 0.000 min
 Lab File: BF127062.D
 Acq: 24 Feb 2022 17:33



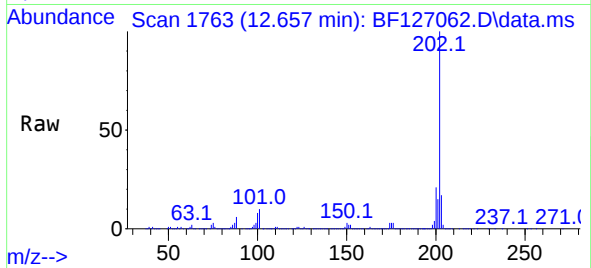
Tgt Ion:149 Resp: 553204
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.2 10.8
 104 6.7 4.2 6.2#





#75
Fluoranthene
Concen: 53.445 ng
RT: 12.657 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

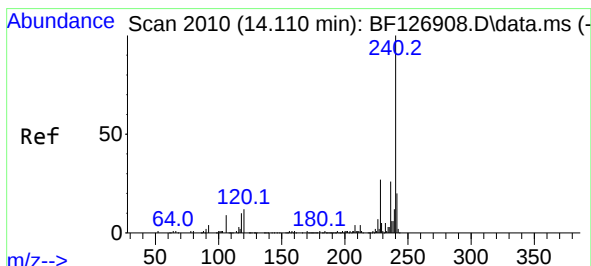
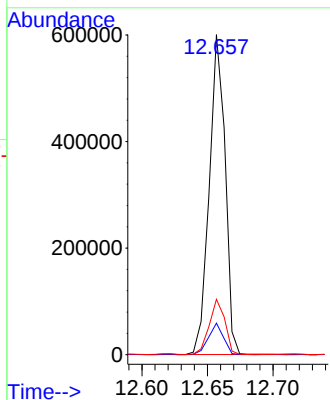
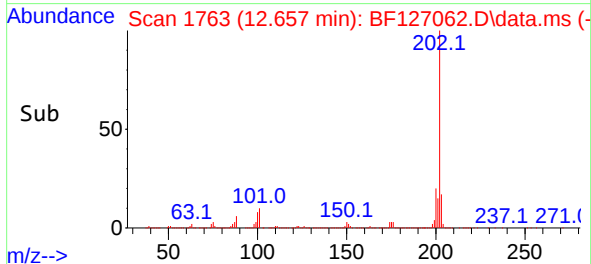
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



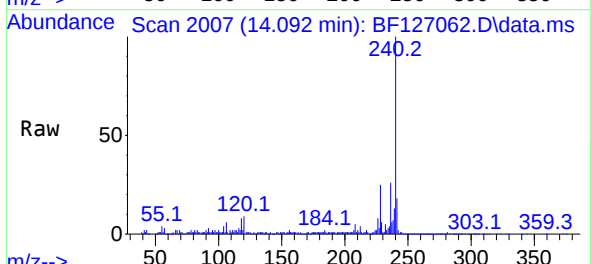
Tgt Ion:202 Resp: 50524
Ion Ratio Lower Upper
202 100
101 9.9 0.0 35.7
203 17.3 0.0 37.1

Manual Integrations
APPROVED

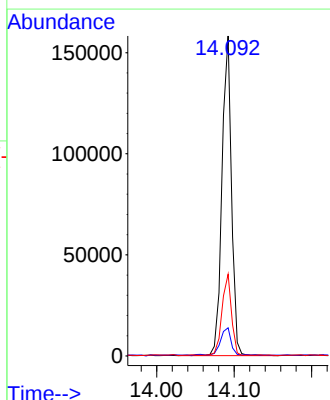
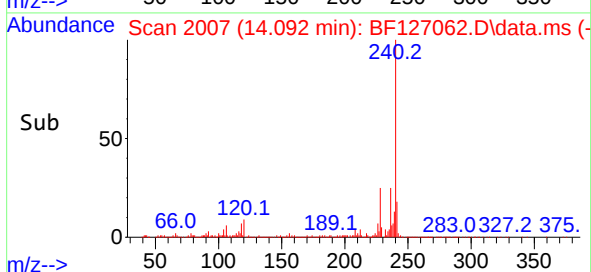
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

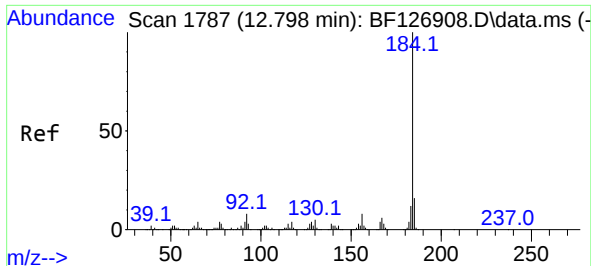


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



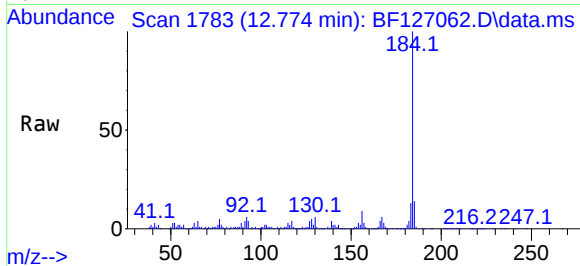
Tgt Ion:240 Resp: 134803
Ion Ratio Lower Upper
240 100
120 8.8 14.4 21.6#
236 25.6 20.5 30.7





#77
Benzidine
Concen: 30.756 ng
RT: 12.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

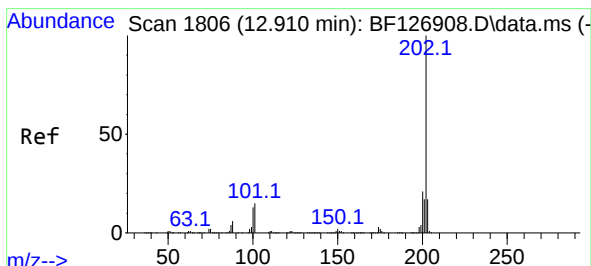
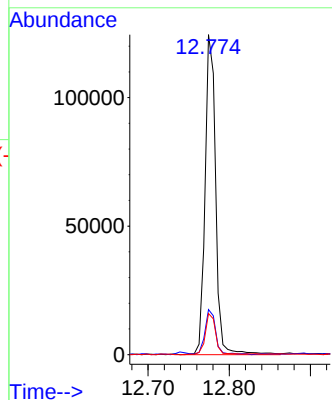
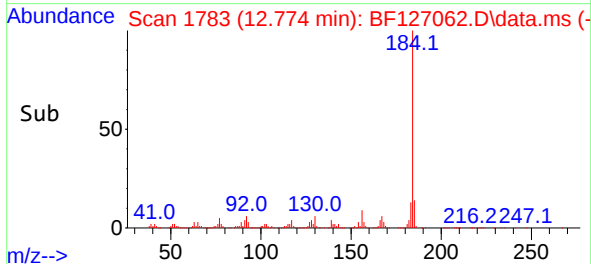
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



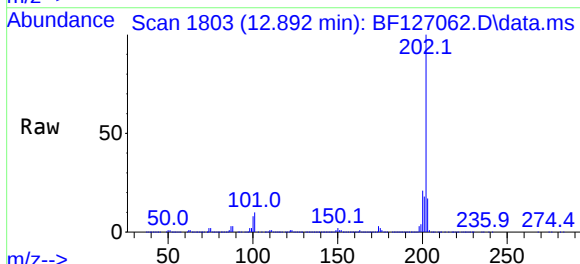
Tgt Ion:184 Resp: 112669
Ion Ratio Lower Upper
184 100
185 14.1 11.8 17.8
183 12.9 8.2 12.2

Manual Integrations
APPROVED

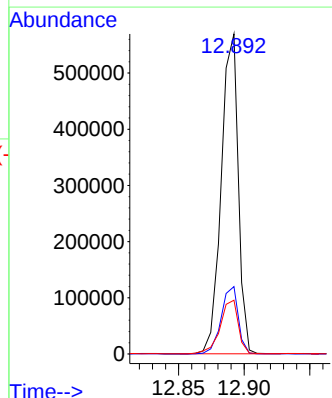
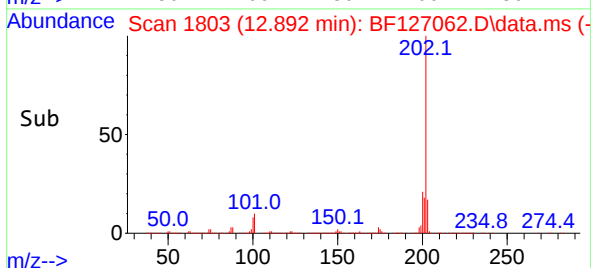
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

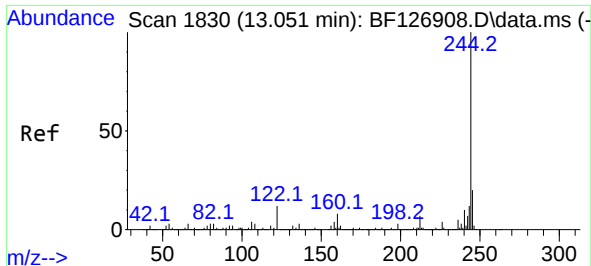


#78
Pyrene
Concen: 43.831 ng
RT: 12.892 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



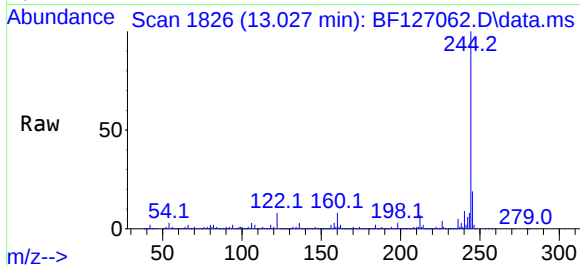
Tgt Ion:202 Resp: 513329
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 16.8 13.8 20.8





#79
Terphenyl-d14
Concen: 50.800 ng
RT: 13.027 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

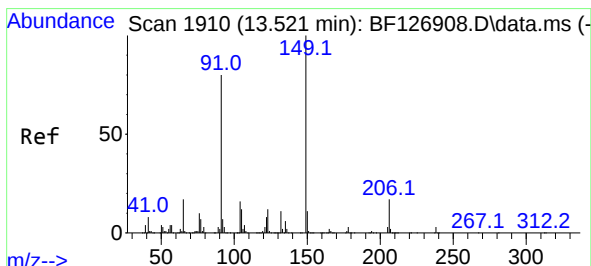
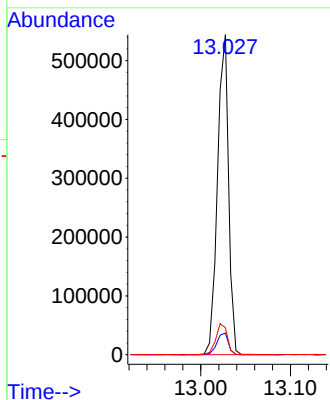
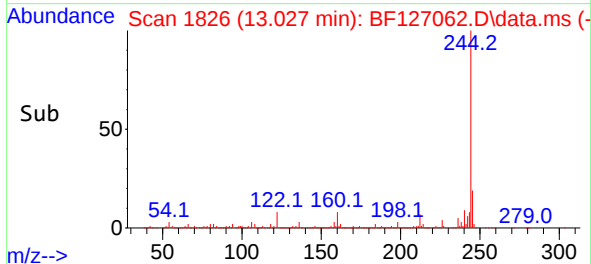
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



Tgt Ion:244 Resp: 46584
Ion Ratio Lower Upper
244 100
212 6.8 5.0 7.4
122 8.4 13.3 19.9

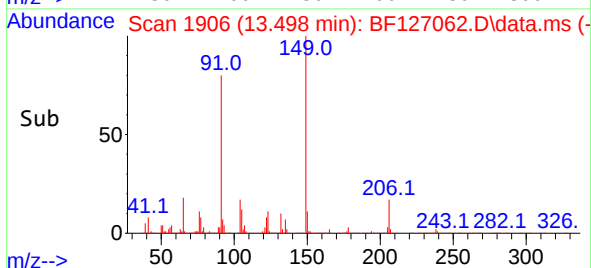
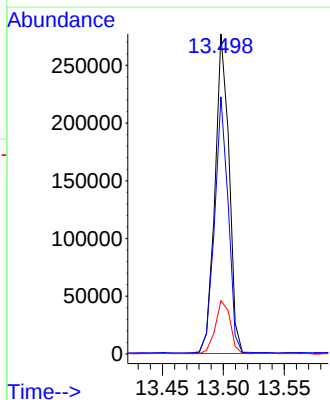
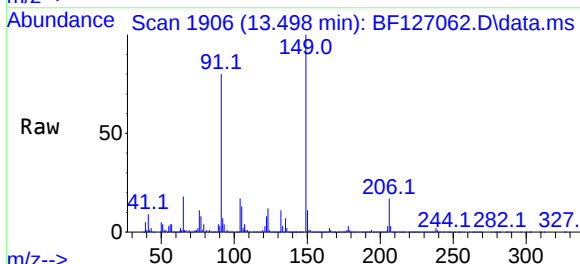
Manual Integrations
APPROVED

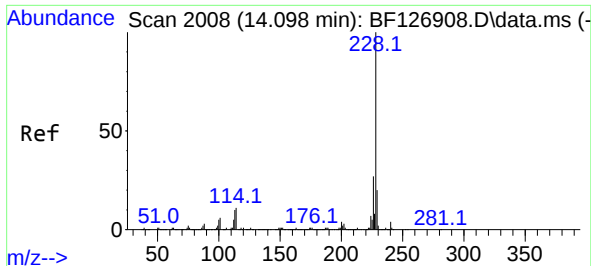
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#80
Butylbenzylphthalate
Concen: 40.099 ng
RT: 13.498 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

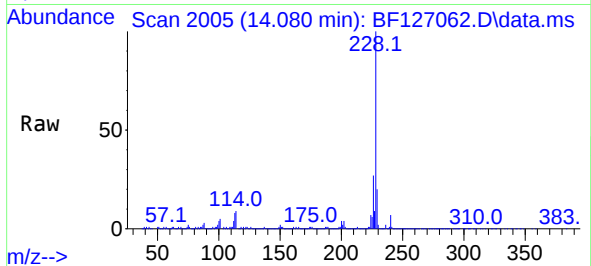
Tgt Ion:149 Resp: 222324
Ion Ratio Lower Upper
149 100
91 80.4 70.5 105.7
206 16.7 12.6 19.0





#81
Benzo(a)anthracene
Concen: 49.386 ng
RT: 14.080 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

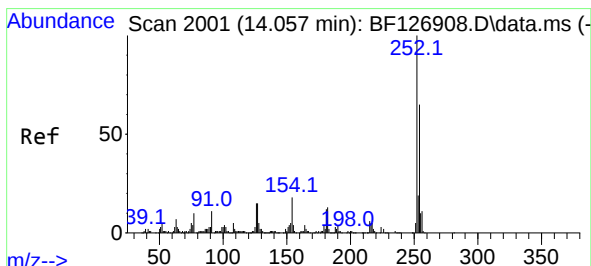
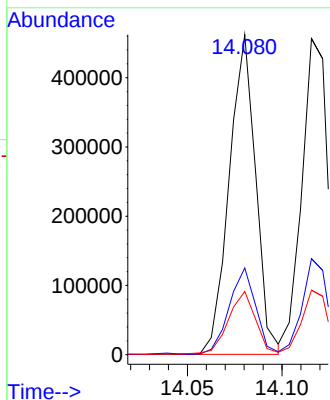
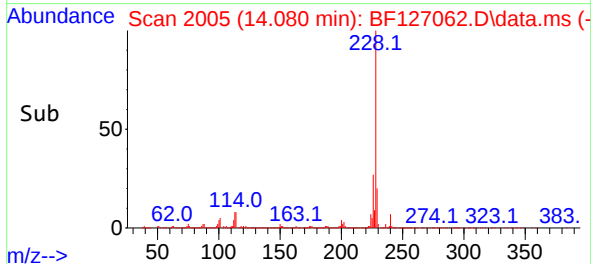
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



Tgt Ion:228 Resp: 448818
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.0
229 19.7 15.4 23.2

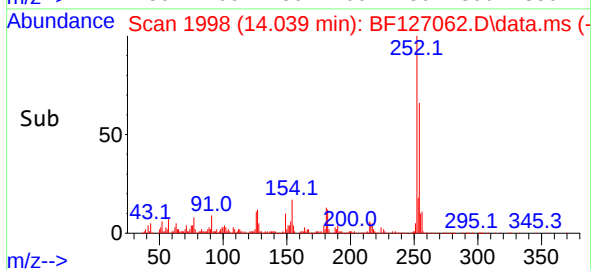
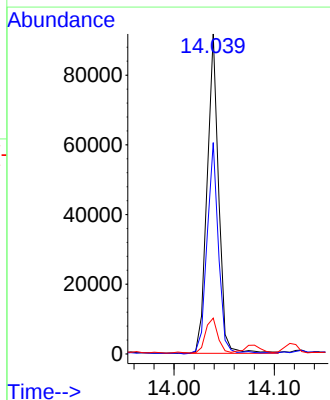
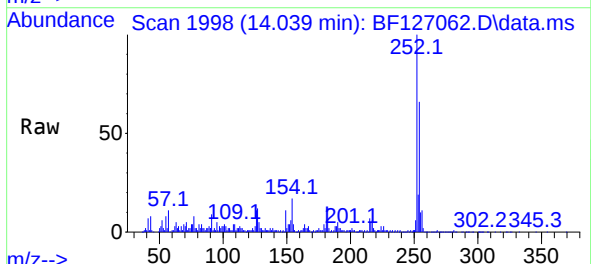
Manual Integrations
APPROVED

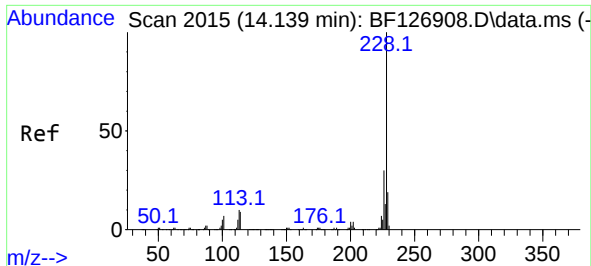
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#82
3,3'-Dichlorobenzidine
Concen: 25.791 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Tgt Ion:252 Resp: 73866
Ion Ratio Lower Upper
252 100
254 66.1 51.0 76.4
126 11.2 13.4 20.0#





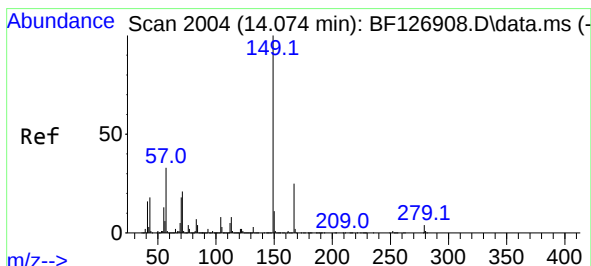
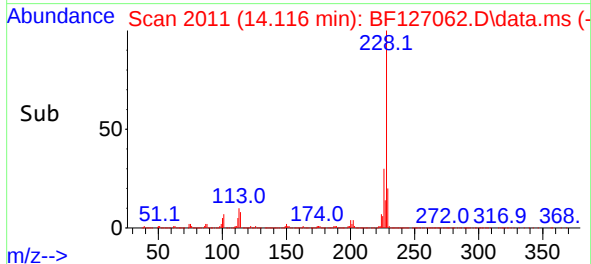
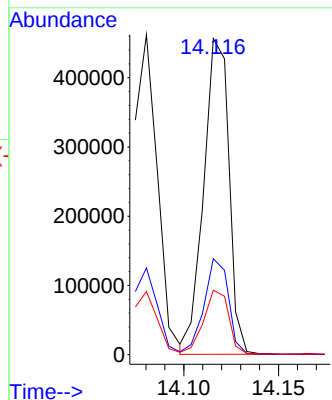
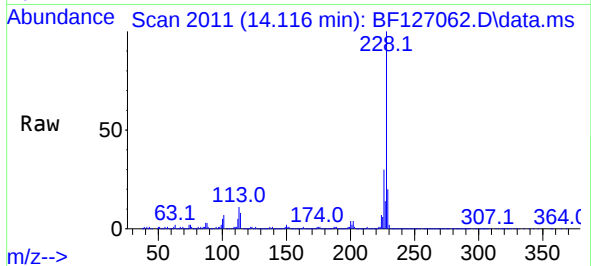
#83
Chrysene
Concen: 49.696 ng
RT: 14.116 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS

Tgt Ion:228 Resp: 424704
Ion Ratio Lower Upper
228 100
226 30.4 23.7 35.5
229 20.4 15.5 23.3

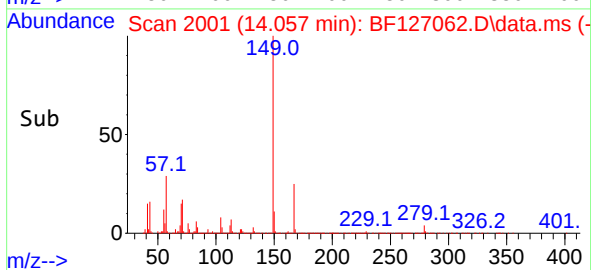
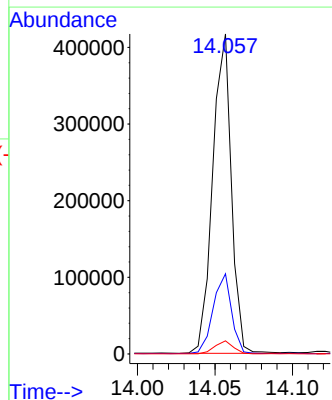
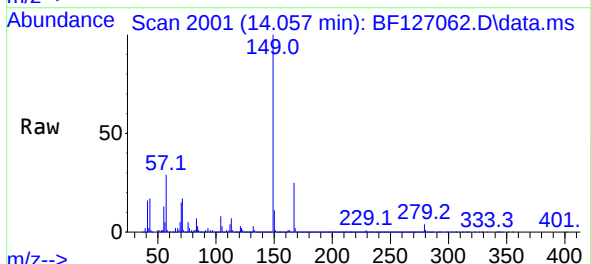
Manual Integrations
APPROVED

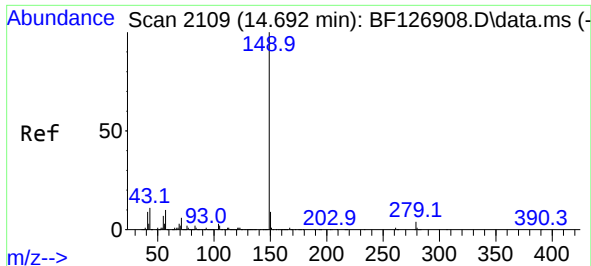
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.874 ng
RT: 14.057 min Scan# 2001
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

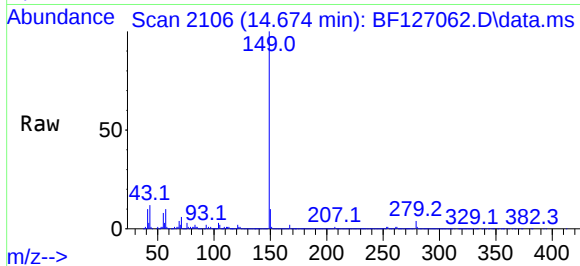
Tgt Ion:149 Resp: 348477
Ion Ratio Lower Upper
149 100
167 25.1 21.4 32.2
279 4.1 2.4 3.6#





#85
Di-n-octyl phthalate
Concen: 49.581 ng
RT: 14.674 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

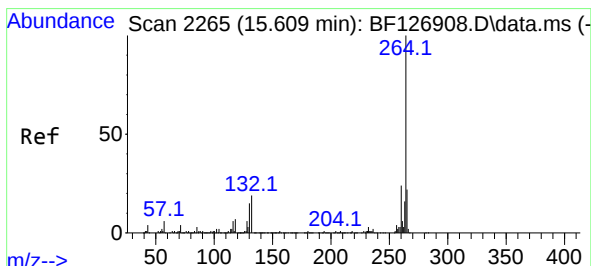
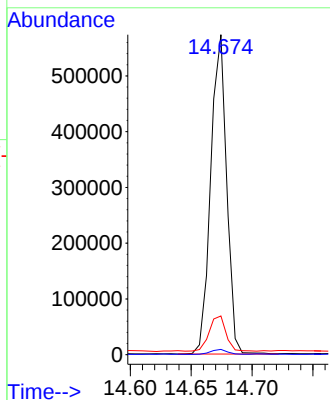
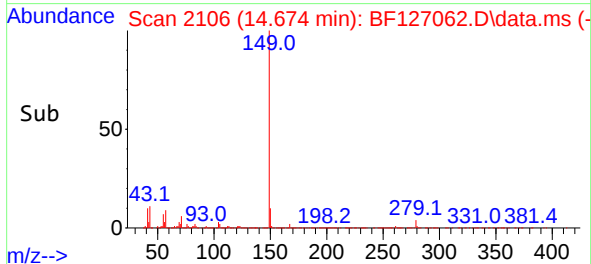
Instrument : BNA_F
ClientSampleId : NW-SURFICIAL-SOIL-(NW-SS)MS



Tgt Ion:149 Resp: 519634
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.5 9.9 14.9

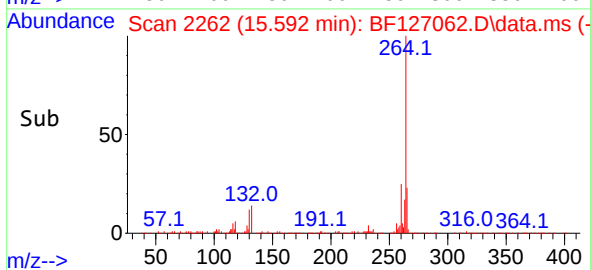
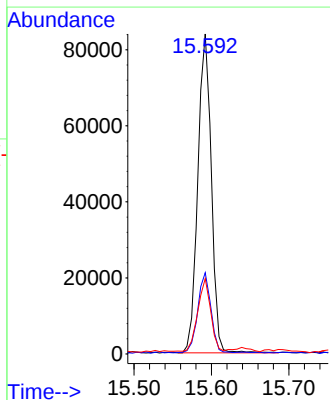
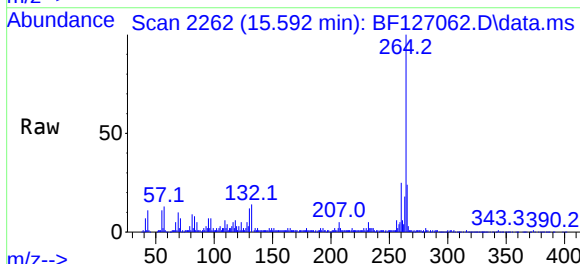
Manual Integrations
APPROVED

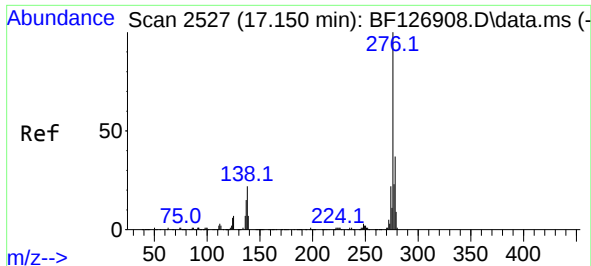
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

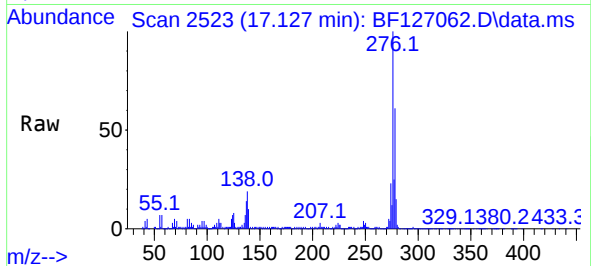
Tgt Ion:264 Resp: 101221
Ion Ratio Lower Upper
264 100
260 25.4 19.2 28.8
265 23.6 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 41.280 ng
RT: 17.127 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

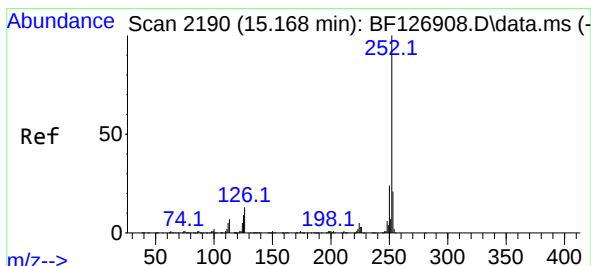
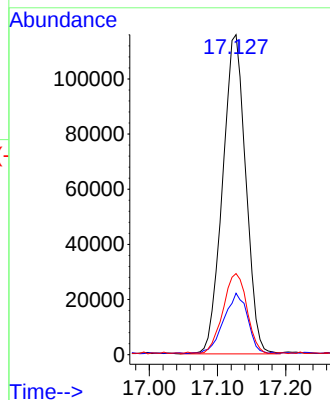
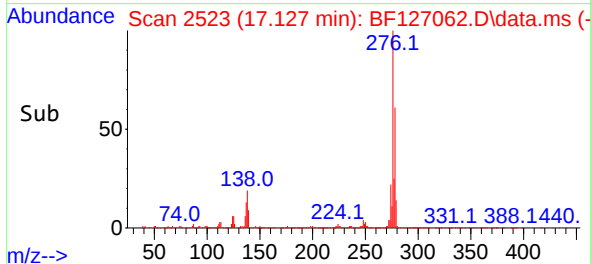
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS



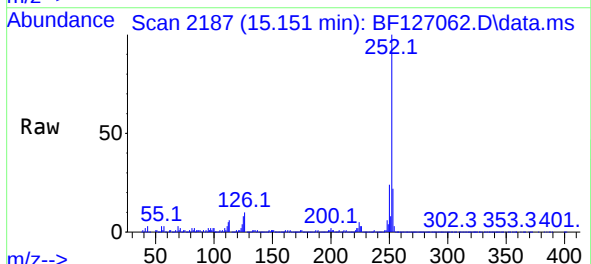
Tgt Ion:276 Resp: 27398
Ion Ratio Lower Upper
276 100
138 19.5 29.2 43.8
277 25.7 19.8 29.8

Manual Integrations
APPROVED

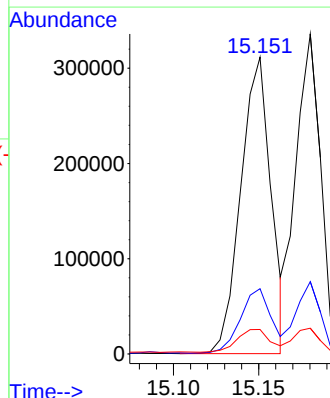
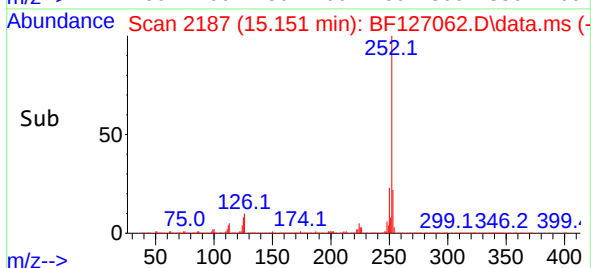
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

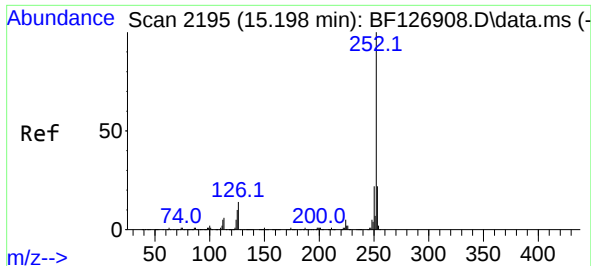


#88
Benzo(b)fluoranthene
Concen: 56.403 ng
RT: 15.151 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33



Tgt Ion:252 Resp: 383448
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 8.3 12.4 18.6





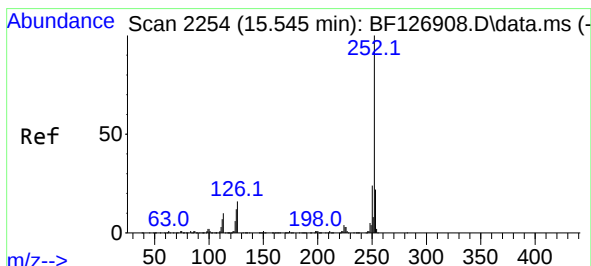
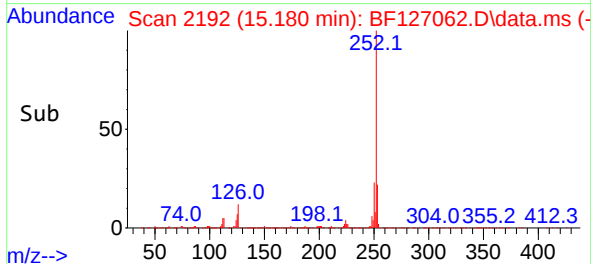
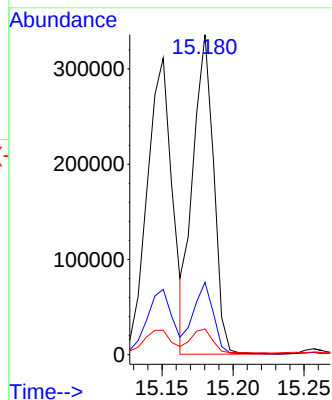
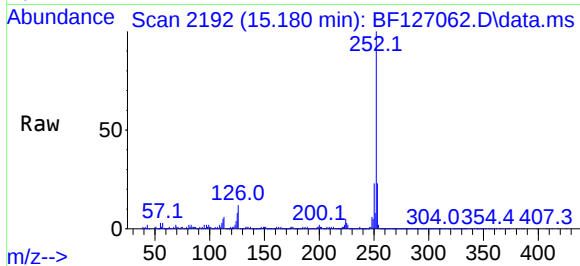
#89
Benzo(k)fluoranthene
Concen: 51.896 ng
RT: 15.180 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS

Tgt Ion:252 Resp: 340290
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.1 11.8 17.6

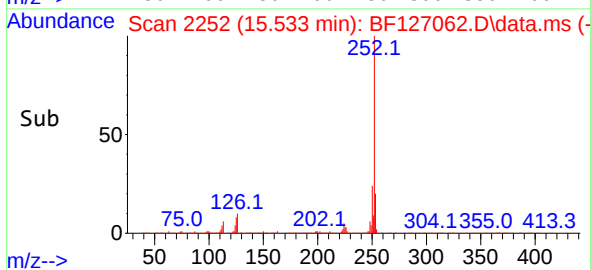
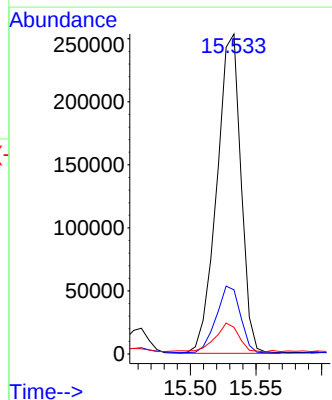
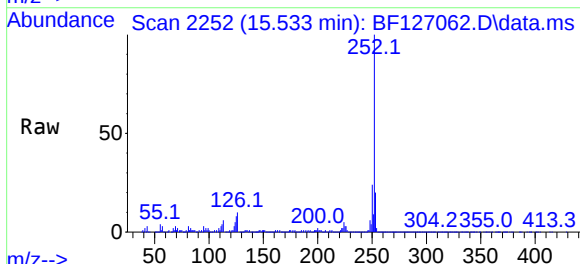
Manual Integrations
APPROVED

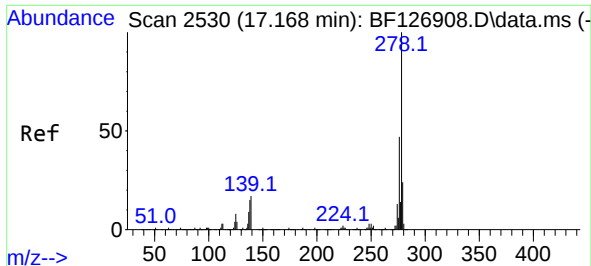
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#90
Benzo(a)pyrene
Concen: 60.971 ng
RT: 15.533 min Scan# 2252
Delta R.T. 0.012 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Tgt Ion:252 Resp: 323771
Ion Ratio Lower Upper
252 100
253 20.1 17.1 25.7
125 8.3 13.0 19.6





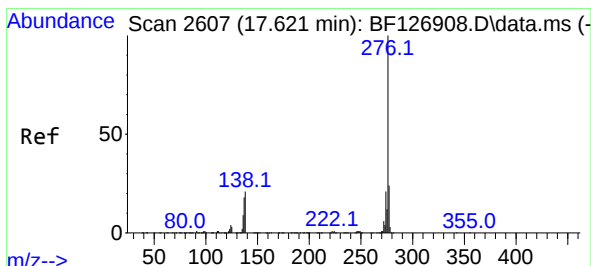
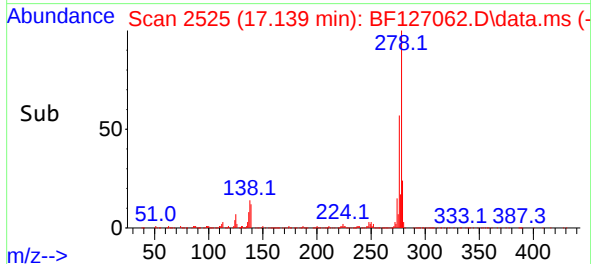
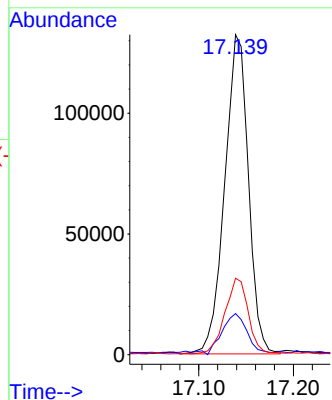
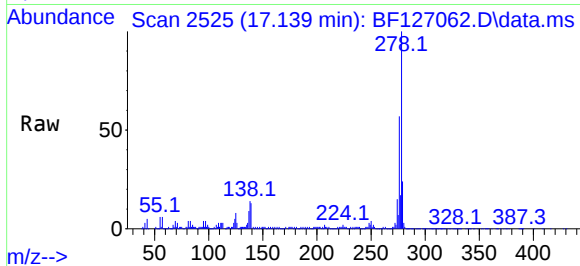
#91
Dibenzo(a,h)anthracene
Concen: 41.927 ng
RT: 17.139 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MS

Tgt Ion:278 Resp: 230150
Ion Ratio Lower Upper
278 100
139 12.9 18.0 27.0
279 23.9 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#92
Benzo(g,h,i)perylene
Concen: 42.685 ng
RT: 17.592 min Scan# 2602
Delta R.T. 0.012 min
Lab File: BF127062.D
Acq: 24 Feb 2022 17:33

Tgt Ion:276 Resp: 230997
Ion Ratio Lower Upper
276 100
277 22.4 18.5 27.7
138 16.5 25.9 38.9#

