

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022422\
 Data File : BF127063.D
 Acq On : 24 Feb 2022 18:02
 Operator : CG\JU
 Sample : N1650-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 25 01:46:13 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	72033	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	281887	20.000	ng	# 0.00
39) Acenaphthene-d10	9.951	164	128725	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	186513	20.000	ng	# 0.00
76) Chrysene-d12	14.092	240	126925	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	92328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	434330	93.192	ng	0.00
7) Phenol-d6	6.540	99	565774	89.965	ng	0.00
23) Nitrobenzene-d5	7.475	82	414371	66.351	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	136491	92.093	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	635818	72.715	ng	0.00
79) Terphenyl-d14	13.027	244	484475	56.112	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.758	88	75025	35.179	ng	# 96
3) Pyridine	3.522	79	176789	31.604	ng	# 84
4) n-Nitrosodimethylamine	3.487	42	132722	48.435	ng	# 55
6) Aniline	6.575	93	128152	17.199	ng	# 91
8) 2-Chlorophenol	6.693	128	236233	47.241	ng	99
9) Benzaldehyde	6.457	77	150938	39.429	ng	97
10) Phenol	6.551	94	298247m	46.936	ng	
11) bis(2-Chloroethyl)ether	6.640	93	230716	46.292	ng	97
12) 1,3-Dichlorobenzene	6.846	146	250091	46.362	ng	96
13) 1,4-Dichlorobenzene	6.922	146	257748	47.131	ng	98
14) 1,2-Dichlorobenzene	7.075	146	243578	46.706	ng	100
15) Benzyl Alcohol	7.051	79	245651	46.367	ng	91
16) 2,2'-oxybis(1-Chloropr...	7.175	45	312595	39.831	ng	91
17) 2-Methylphenol	7.163	107	202190	46.734	ng	# 89
18) Hexachloroethane	7.416	117	100556	47.970	ng	93
19) n-Nitroso-di-n-propyla...	7.316	70	185857	45.864	ng	97
20) 3+4-Methylphenols	7.310	107	260944	46.447	ng	87
22) Acetophenone	7.316	105	365018	49.181	ng	# 94
24) Nitrobenzene	7.493	77	282859	47.945	ng	96
25) Isophorone	7.728	82	482453	46.686	ng	# 97
26) 2-Nitrophenol	7.804	139	121427	48.342	ng	# 70
27) 2,4-Dimethylphenol	7.840	122	216403m	52.443	ng	
28) bis(2-Chloroethoxy)met...	7.934	93	277778	44.338	ng	97
29) 2,4-Dichlorophenol	8.051	162	184324	47.512	ng	98
30) 1,2,4-Trichlorobenzene	8.134	180	205063	47.279	ng	96
31) Naphthalene	8.216	128	696176	47.311	ng	100
32) Benzoic acid	7.969	122	132960	45.434	ng	# 83
33) 4-Chloroaniline	8.269	127	62590	10.806	ng	# 93
34) Hexachlorobutadiene	8.322	225	129648	51.200	ng	97
35) Caprolactam	8.634	113	55136m	40.698	ng	
36) 4-Chloro-3-methylphenol	8.745	107	242588	48.927	ng	94
37) 2-Methylnaphthalene	8.904	142	447223	46.838	ng	98
38) 1-Methylnaphthalene	9.004	142	411066	44.958	ng	98
40) 1,2,4,5-Tetrachloroben...	9.069	216	185759	54.820	ng	97
41) Hexachlorocyclopentadiene	9.051	237	94737	51.549	ng	94
43) 2,4,6-Trichlorophenol	9.181	196	120606	48.529	ng	98

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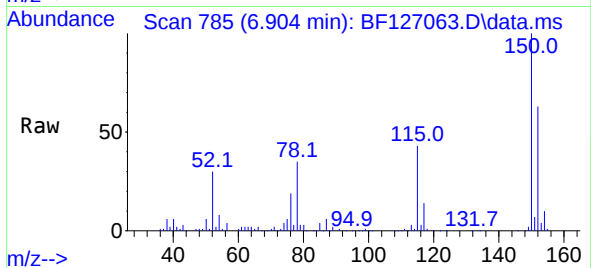
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.228	196	123795	47.336	ng	96
46) 1,1'-Biphenyl	9.369	154	525000	51.477	ng	97
47) 2-Chloronaphthalene	9.398	162	370868	49.038	ng	95
48) 2-Nitroaniline	9.492	65	143032	47.926	ng	93
49) Acenaphthylene	9.816	152	596725	48.574	ng	98
50) Dimethylphthalate	9.669	163	462245	50.238	ng	99
51) 2,6-Dinitrotoluene	9.734	165	91534	48.896	ng	87
52) Acenaphthene	9.986	154	382361m	47.858	ng	
53) 3-Nitroaniline	9.904	138	62300	27.225	ng	93
54) 2,4-Dinitrophenol	10.010	184	44083	44.491	ng	# 86
55) Dibenzofuran	10.157	168	495895	45.138	ng	# 88
56) 4-Nitrophenol	10.069	139	132178	78.208	ng	# 72
57) 2,4-Dinitrotoluene	10.139	165	115439	45.608	ng	# 97
58) Fluorene	10.498	166	381460	44.576	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.275	232	90497	43.648	ng	# 96
60) Diethylphthalate	10.369	149	464490	48.312	ng	100
61) 4-Chlorophenyl-phenyle...	10.492	204	188384	46.685	ng	95
62) 4-Nitroaniline	10.516	138	76568	33.885	ng	# 62
63) Azobenzene	10.651	77	433376	40.481	ng	91
65) 4,6-Dinitro-2-methylph...	10.545	198	30042	27.413	ng	92
66) n-Nitrosodiphenylamine	10.610	169	322978	52.809	ng	100
67) 4-Bromophenyl-phenylether	10.981	248	108936	52.275	ng	# 90
68) Hexachlorobenzene	11.045	284	113972	50.803	ng	# 90
69) Atrazine	11.133	200	97705	51.509	ng	97
70) Pentachlorophenol	11.245	266	120618	98.493	ng	99
71) Phenanthrene	11.469	178	541278	51.849	ng	98
72) Anthracene	11.522	178	514559	49.512	ng	99
73) Carbazole	11.675	167	413177	43.353	ng	97
74) Di-n-butylphthalate	11.998	149	602175	49.148	ng	99
75) Fluoranthene	12.657	202	522994	52.762	ng	94
77) Benzidine	12.780	184	130371	37.797	ng	# 94
78) Pyrene	12.892	202	521041	47.251	ng	98
80) Butylbenzylphthalate	13.498	149	223397	42.793	ng	94
81) Benzo(a)anthracene	14.080	228	433487	50.660	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	85049	31.538	ng	# 96
83) Chrysene	14.116	228	408198	50.729	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	354068	51.661	ng	# 97
85) Di-n-octyl phthalate	14.674	149	501806	50.852	ng	98
87) Indeno(1,2,3-cd)pyrene	17.127	276	265885	43.918	ng	# 82
88) Benzo(b)fluoranthene	15.151	252	350796	56.570	ng	# 91
89) Benzo(k)fluoranthene	15.180	252	310084	51.844	ng	# 92
90) Benzo(a)pyrene	15.527	252	294578	60.817	ng	# 93
91) Dibenzo(a,h)anthracene	17.145	278	221707	44.279	ng	# 89
92) Benzo(g,h,i)perylene	17.592	276	220560	44.682	ng	# 82

(#) = 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: BF127063.D
Acq: 24 Feb 2022 18:02

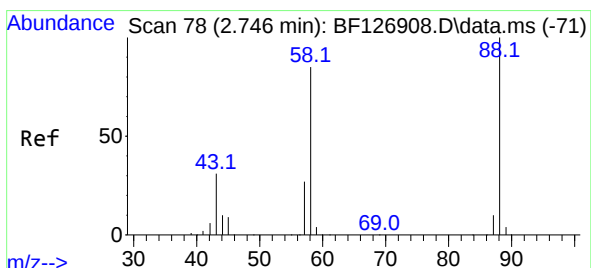
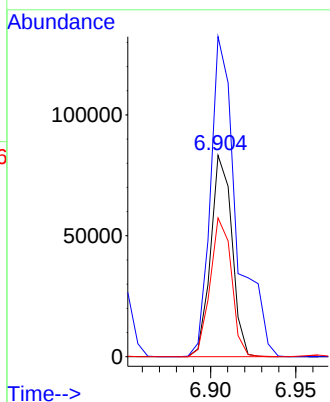
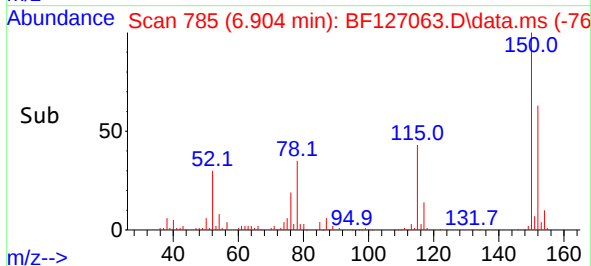
Instrument : BNA_F
ClientSampleId : NW-SURFICIAL-SOIL-(NW-SS)MSD



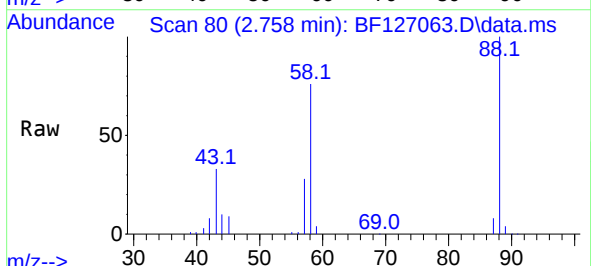
Tgt Ion:152 Resp: 7203
Ion Ratio Lower Upper
152 100
150 159.0 128.1 192.1
115 68.9 56.7 85.1

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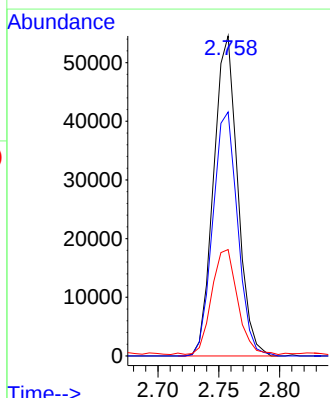
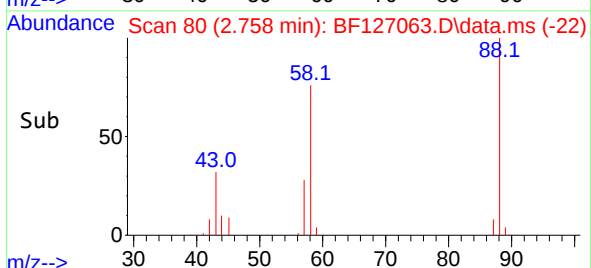
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#2
1,4-Dioxane
Concen: 35.179 ng
RT: 2.758 min Scan# 80
Delta R.T. 0.041 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



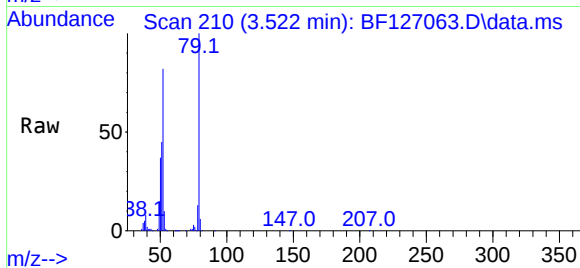
Tgt Ion: 88 Resp: 75025
Ion Ratio Lower Upper
88 100
58 78.6 62.8 94.2
43 35.4 22.3 33.5





#3
Pyridine
Concen: 31.604 ng
RT: 3.522 min Scan# 210
Delta R.T. 0.035 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

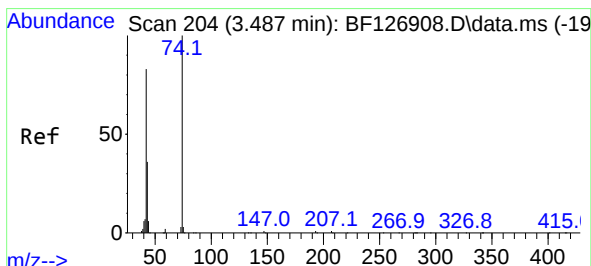
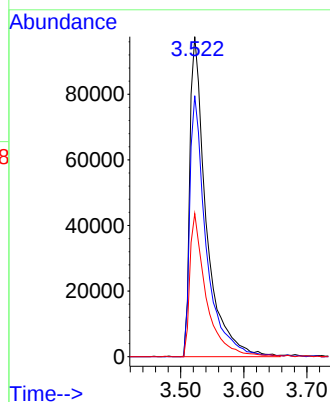
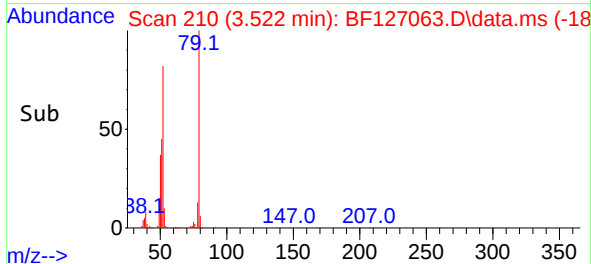
Instrument :
BNA_F
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NW-SURFICIAL-SOIL-(NW-SS)MSD



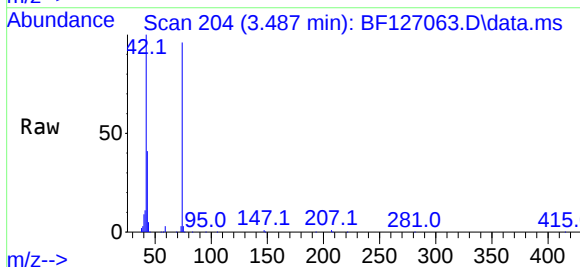
Tgt Ion: 79 Resp: 176789
Ion Ratio Lower Upper
79 100
52 81.6 56.2 84.4
51 44.7 26.7 40.1

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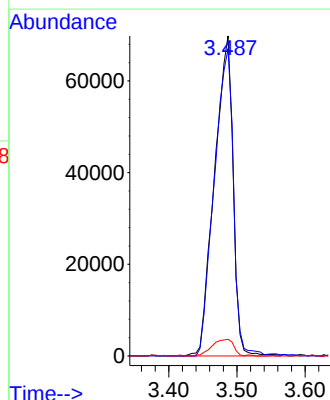
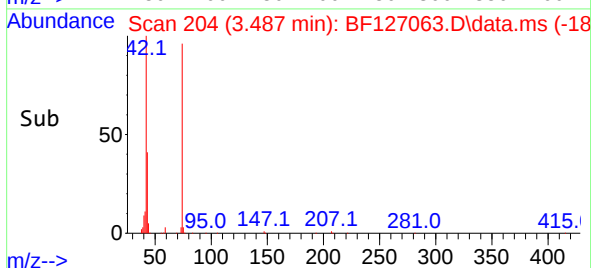
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#4
n-Nitrosodimethylamine
Concen: 48.435 ng
RT: 3.487 min Scan# 204
Delta R.T. 0.030 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



Tgt Ion: 42 Resp: 132722
Ion Ratio Lower Upper
42 100
74 96.0 125.6 188.4#
44 5.2 5.7 8.5#





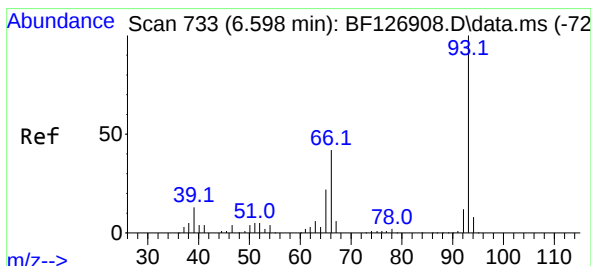
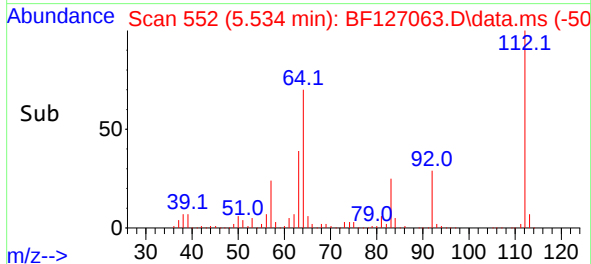
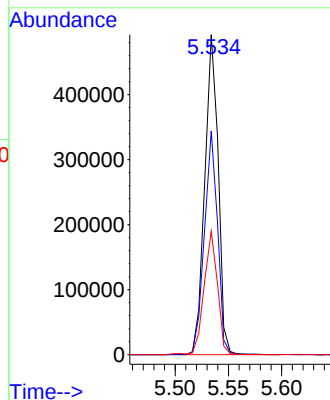
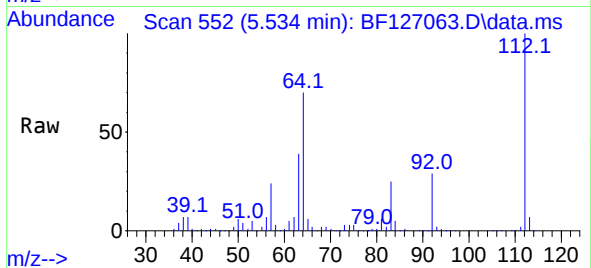
#5
2-Fluorophenol
Concen: 93.192 ng
RT: 5.534 min Scan# 511
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

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

Tgt Ion:112 Resp: 434330
Ion Ratio Lower Upper
112 100
64 69.9 49.5 74.3
63 38.6 23.9 35.9

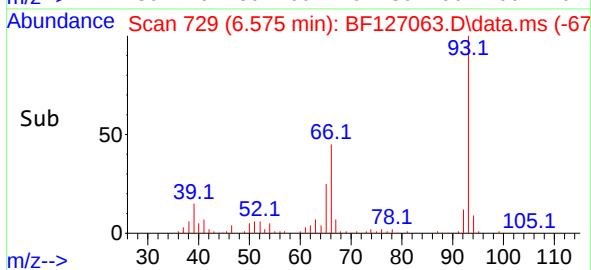
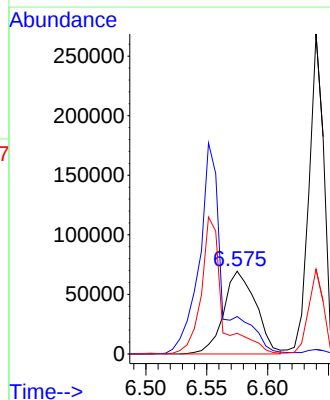
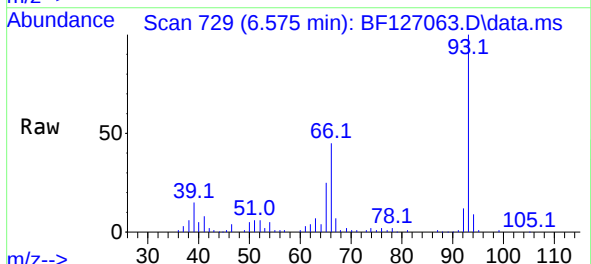
Manual Integrations
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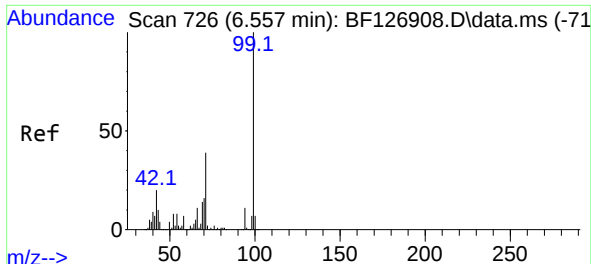
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#6
Aniline
Concen: 17.199 ng
RT: 6.575 min Scan# 729
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

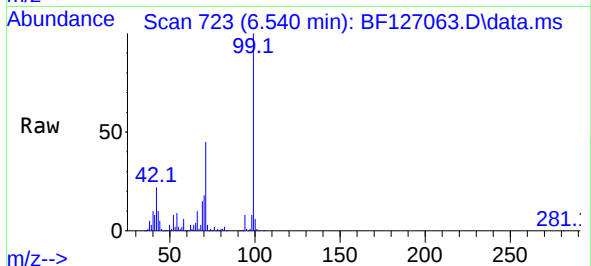
Tgt Ion: 93 Resp: 128152
Ion Ratio Lower Upper
93 100
66 45.2 32.2 48.4
65 25.0 16.3 24.5





#7
Phenol-d6
Concen: 89.965 ng
RT: 6.540 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

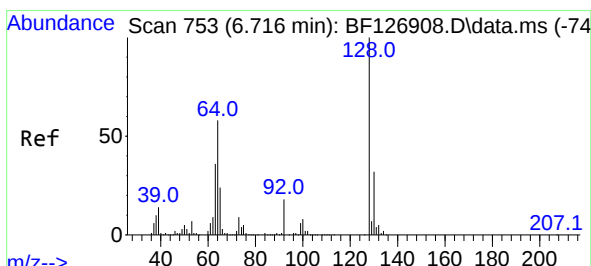
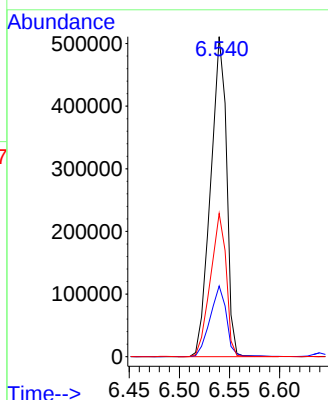
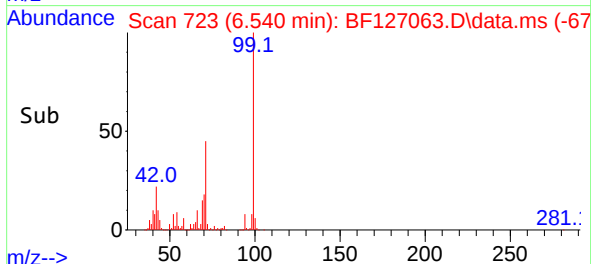
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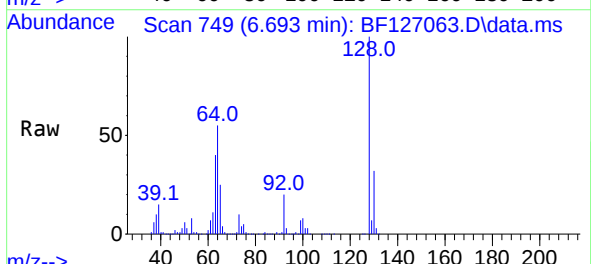
Tgt Ion: 99 Resp: 565774
Ion Ratio Lower Upper
99 100
42 22.1 14.2 21.4
71 44.8 24.3 36.5

Manual Integrations
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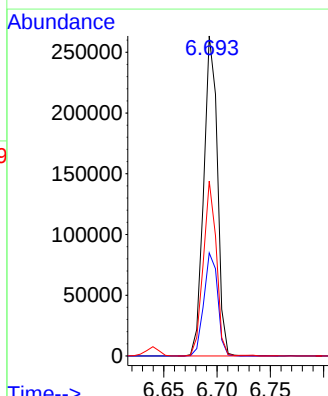
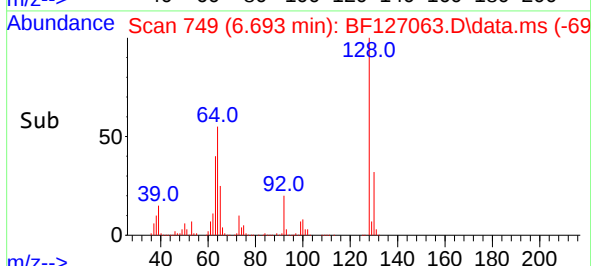
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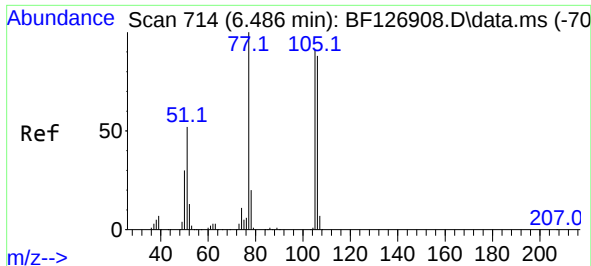


#8
2-Chlorophenol
Concen: 47.241 ng
RT: 6.693 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



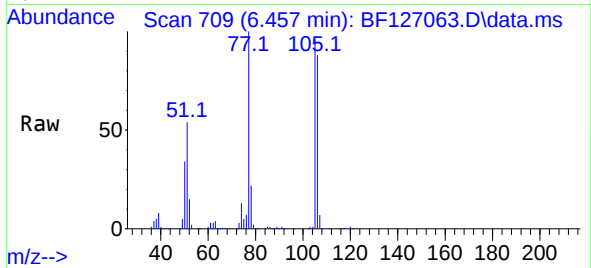
Tgt Ion:128 Resp: 236233
Ion Ratio Lower Upper
128 100
130 32.2 12.7 52.7
64 54.7 35.6 75.6





#9
Benzaldehyde
Concen: 39.429 ng
RT: 6.457 min Scan# 709
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

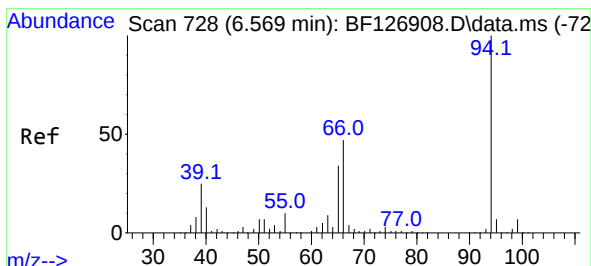
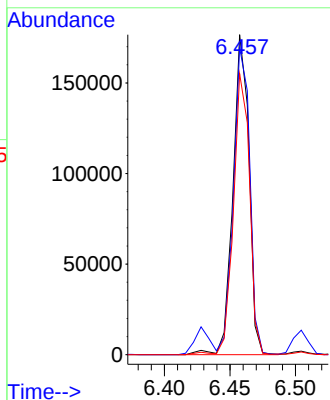
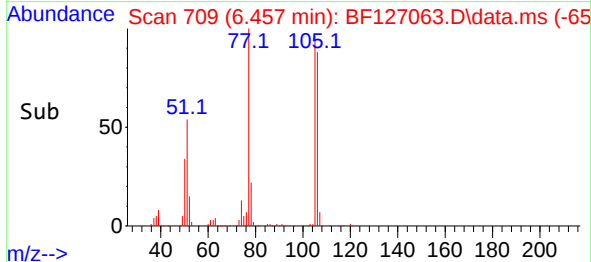
Instrument :
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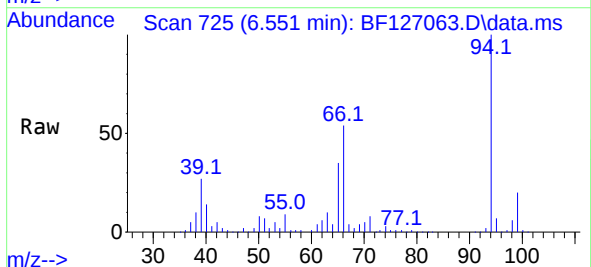
Tgt Ion: 77 Resp: 150938
Ion Ratio Lower Upper
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106 87.8 72.4 112.4

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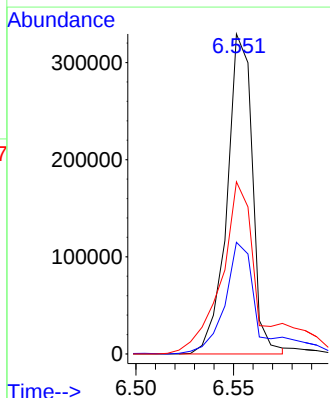
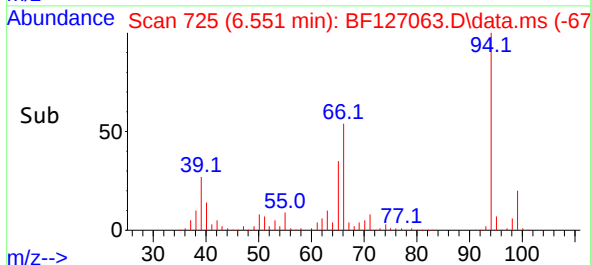
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#10
Phenol
Concen: 46.936 ng m
RT: 6.551 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



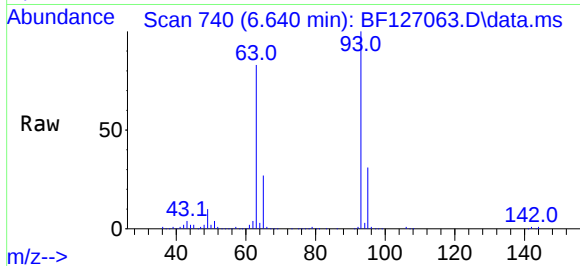
Tgt Ion: 94 Resp: 298247
Ion Ratio Lower Upper
94 100
65 34.9 7.2 47.2
66 53.8 14.5 54.5





#11
bis(2-Chloroethyl)ether
Concen: 46.292 ng
RT: 6.640 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

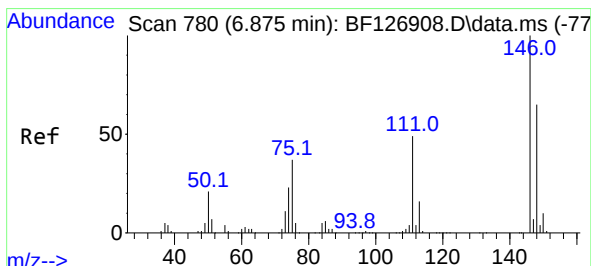
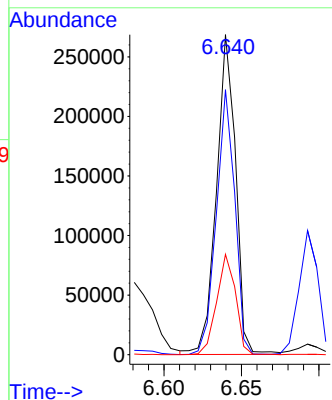
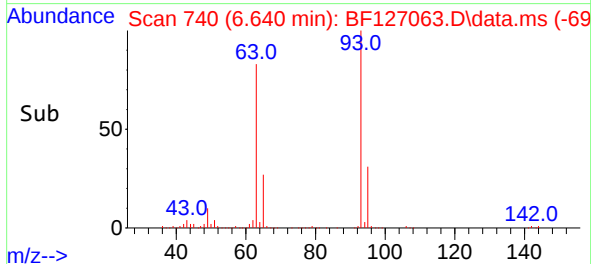
Instrument : BNA_F
ClientSampleId : NW-SURFICIAL-SOIL-(NW-SS)MSD



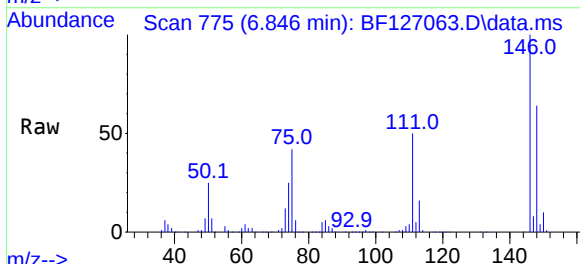
Tgt Ion: 93 Resp: 230710
Ion Ratio Lower Upper
93 100
63 82.8 60.5 100.5
95 31.4 12.9 52.9

Manual Integrations
APPROVED

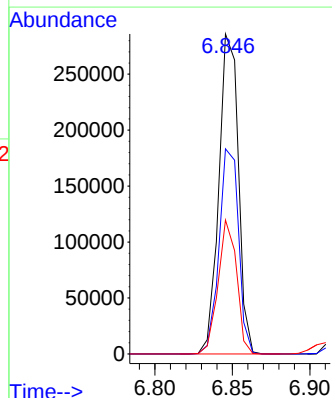
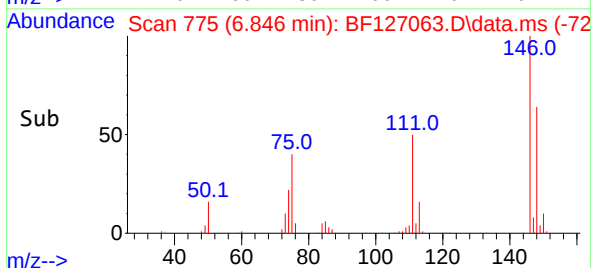
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

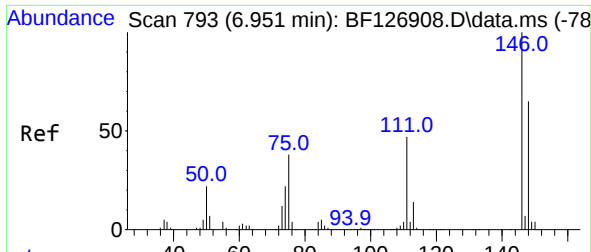


#12
1,3-Dichlorobenzene
Concen: 46.362 ng
RT: 6.846 min Scan# 775
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



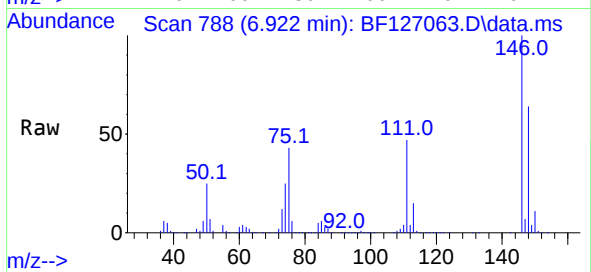
Tgt Ion:146 Resp: 250091
Ion Ratio Lower Upper
146 100
148 64.1 50.9 76.3
75 41.9 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 47.131 ng
RT: 6.922 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

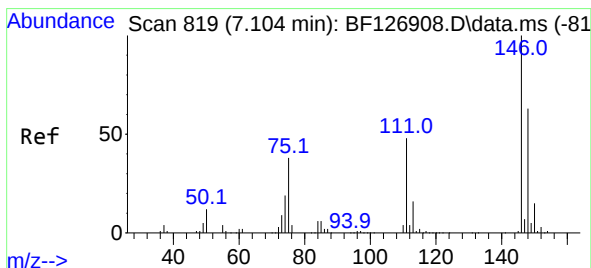
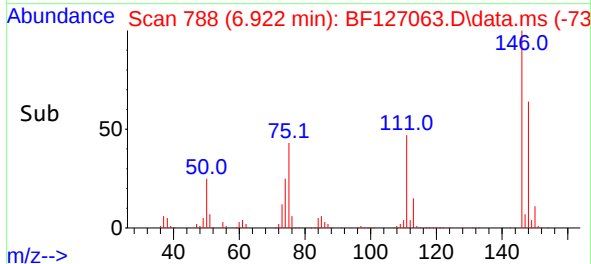
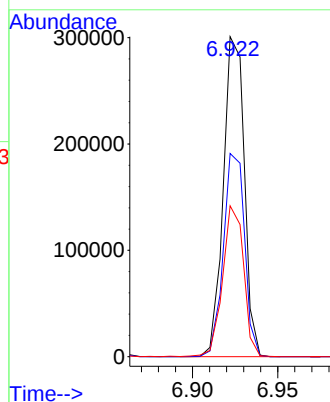
Instrument : BNA_F
ClientSampleId : NW-SURFICIAL-SOIL-(NW-SS)MSD



Tgt Ion:146 Resp: 257748
Ion Ratio Lower Upper
146 100
148 63.5 49.8 74.6
111 47.2 36.1 54.1

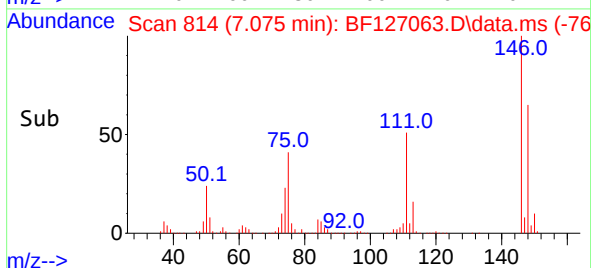
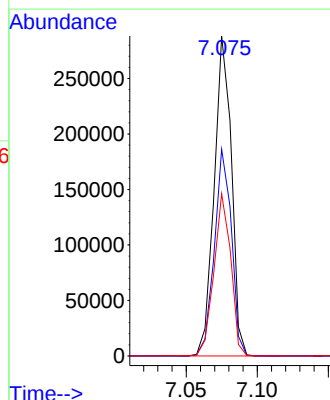
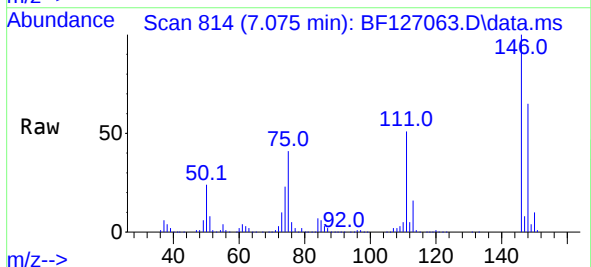
Manual Integrations
APPROVED

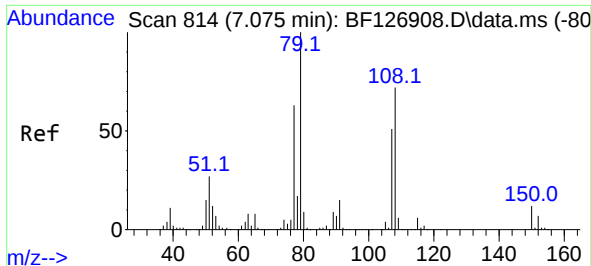
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#14
1,2-Dichlorobenzene
Concen: 46.706 ng
RT: 7.075 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

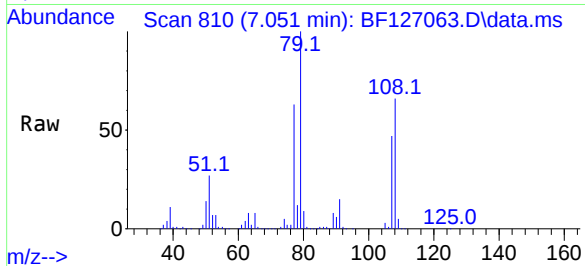
Tgt Ion:146 Resp: 243578
Ion Ratio Lower Upper
146 100
148 64.6 51.6 77.4
111 50.7 40.2 60.2





#15
Benzyl Alcohol
Concen: 46.367 ng
RT: 7.051 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

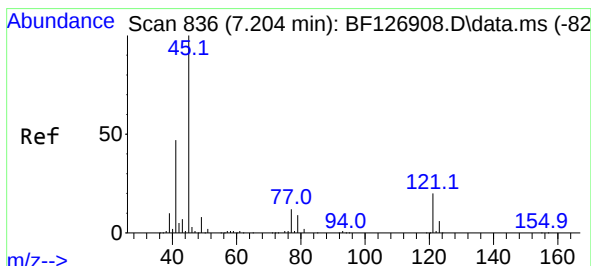
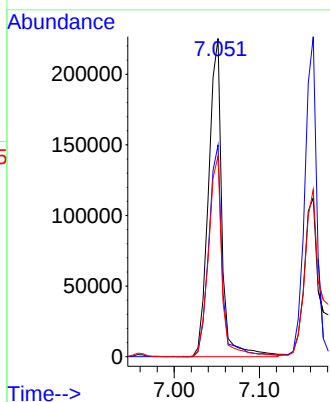
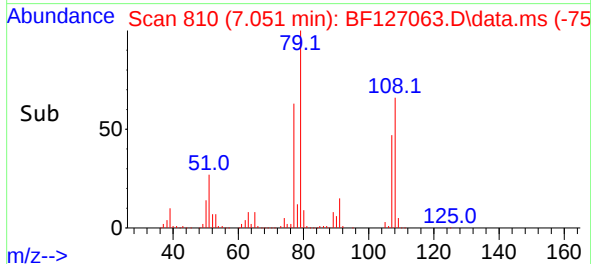
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



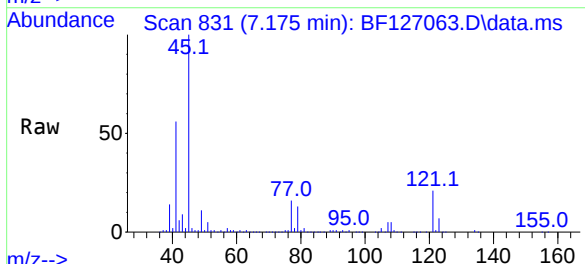
Tgt Ion: 79 Resp: 24565
Ion Ratio Lower Upper
79 100
108 66.5 63.2 94.8
77 63.1 49.4 74.2

Manual Integrations
APPROVED

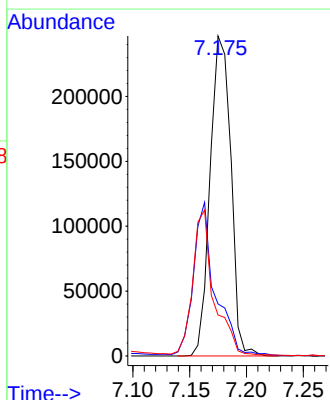
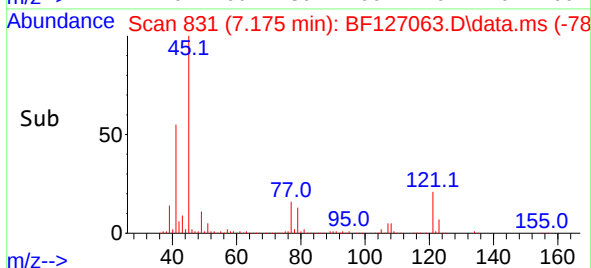
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

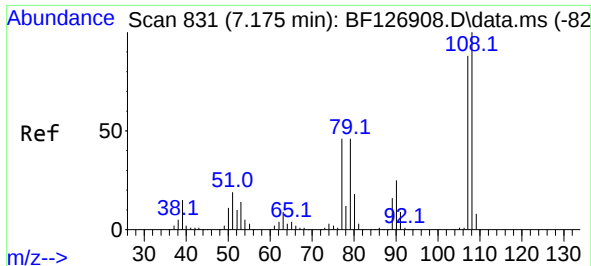


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.831 ng
RT: 7.175 min Scan# 831
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



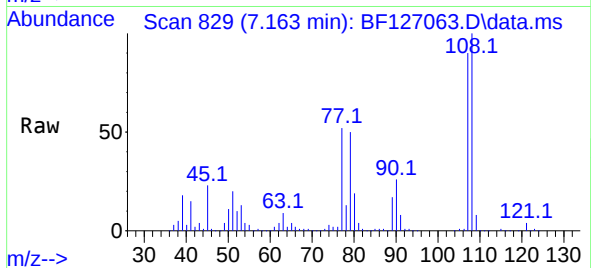
Tgt Ion: 45 Resp: 312595
Ion Ratio Lower Upper
45 100
77 16.2 0.0 32.4
79 12.8 0.0 29.8





#17
2-Methylphenol
Concen: 46.734 ng
RT: 7.163 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

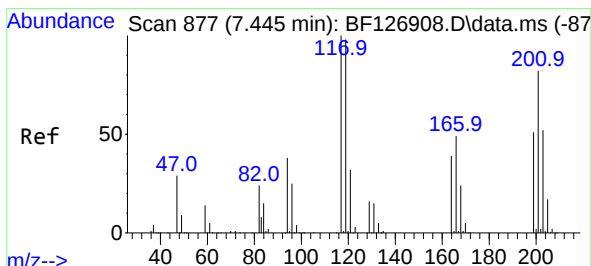
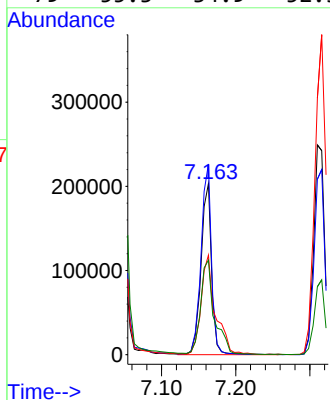
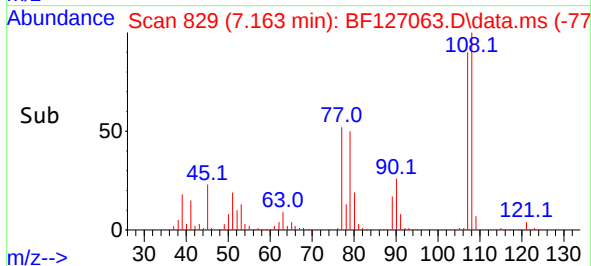
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



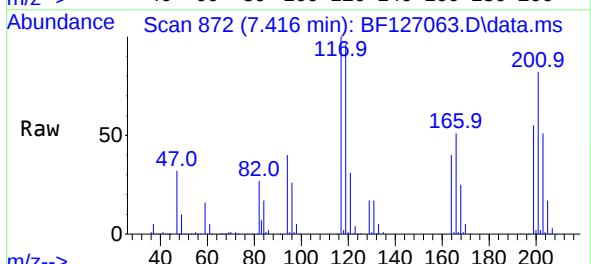
Tgt Ion:107 Resp: 202190
Ion Ratio Lower Upper
107 100
108 111.5 93.4 140.0
77 58.2 36.1 54.1
79 55.3 34.9 52.3

Manual Integrations
APPROVED

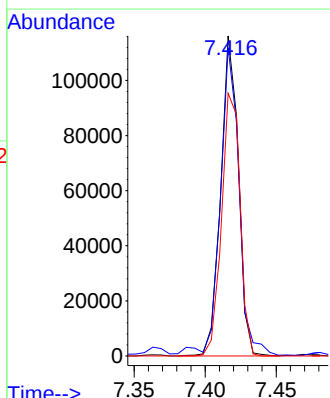
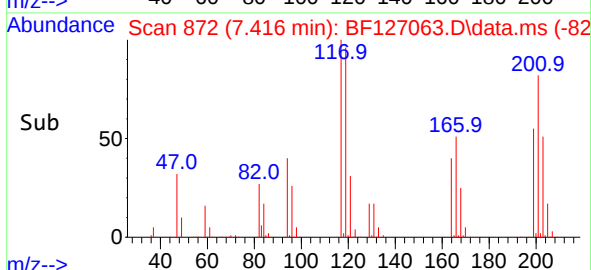
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

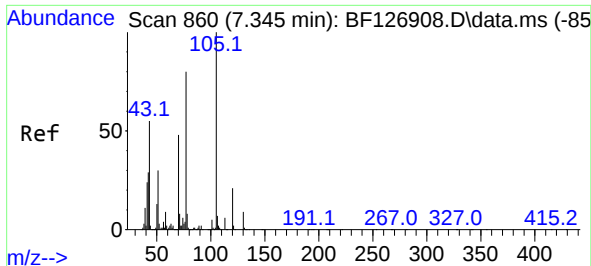


#18
Hexachloroethane
Concen: 47.970 ng
RT: 7.416 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



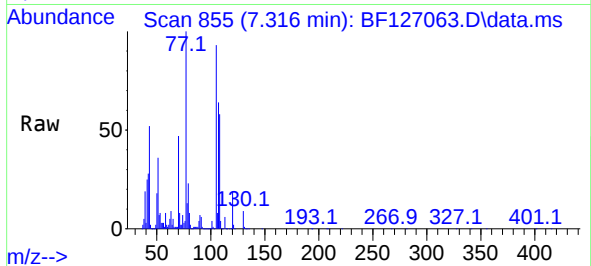
Tgt Ion:117 Resp: 100556
Ion Ratio Lower Upper
117 100
119 96.3 75.4 113.0
201 82.1 56.8 85.2





#19
n-Nitroso-di-n-propylamine
Concen: 45.864 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

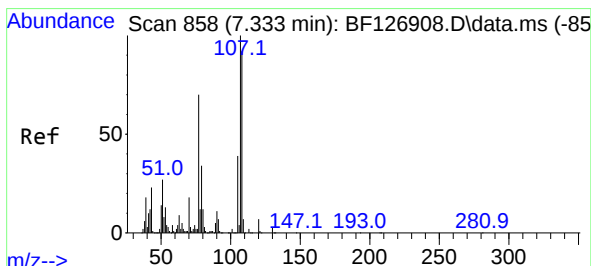
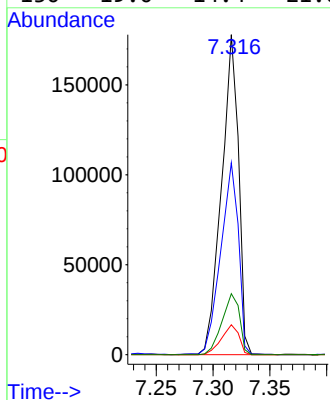
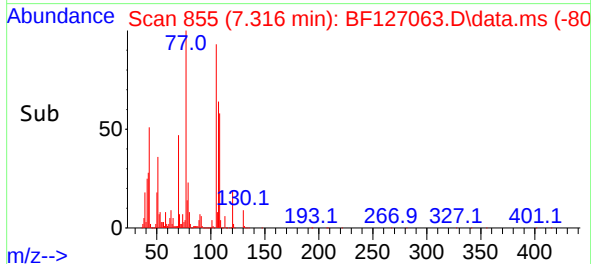
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



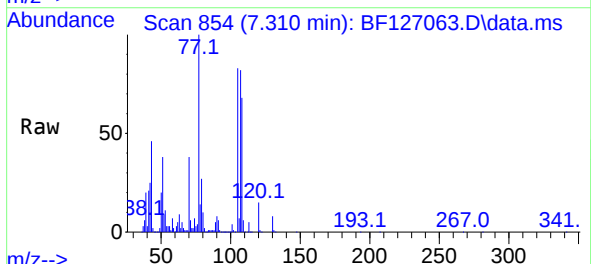
Tgt Ion: 70 Resp: 18585
Ion Ratio Lower Upper
70 100
42 59.9 45.8 68.8
101 9.4 6.9 10.3
130 19.0 14.4 21.6

Manual Integrations
APPROVED

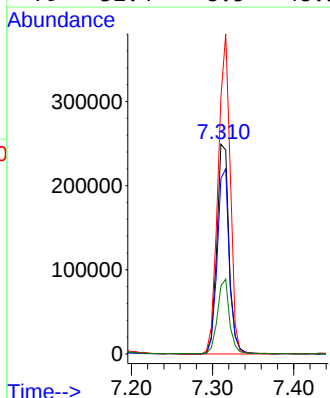
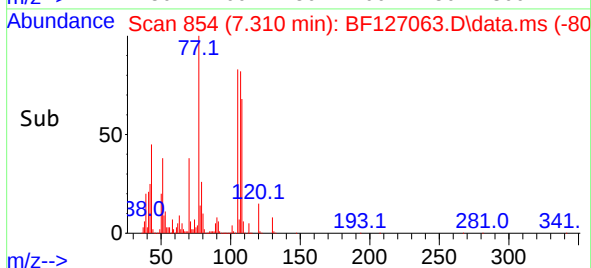
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

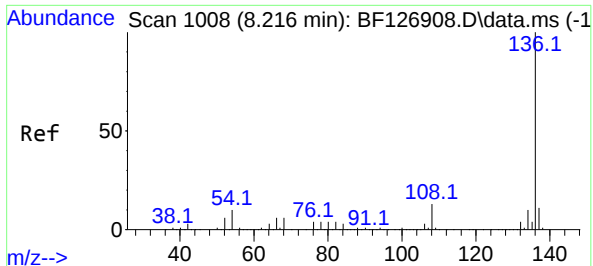


#20
3+4-Methylphenols
Concen: 46.447 ng
RT: 7.310 min Scan# 854
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



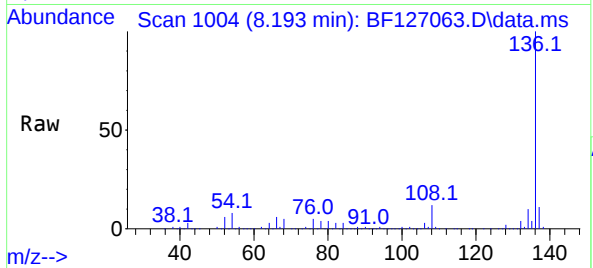
Tgt Ion:107 Resp: 260944
Ion Ratio Lower Upper
107 100
108 83.6 72.4 112.4
77 122.3 83.8 123.8
79 32.4 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.193 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

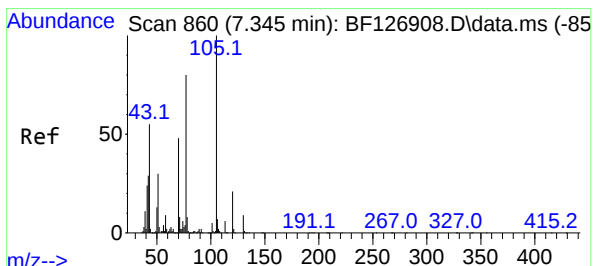
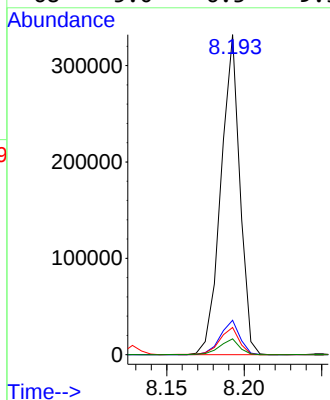
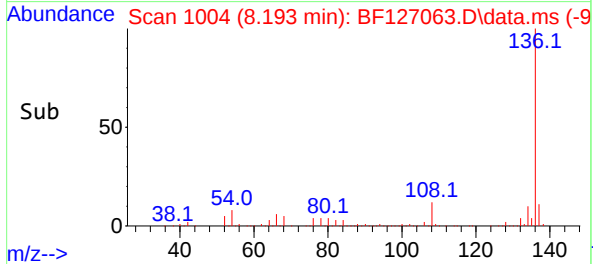
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



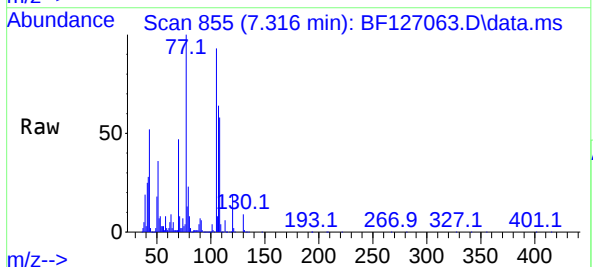
Tgt Ion:136 Resp: 28188
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.5 7.8 11.6
68 5.0 6.3 9.5#

Manual Integrations
APPROVED

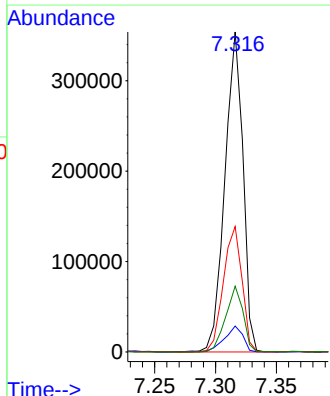
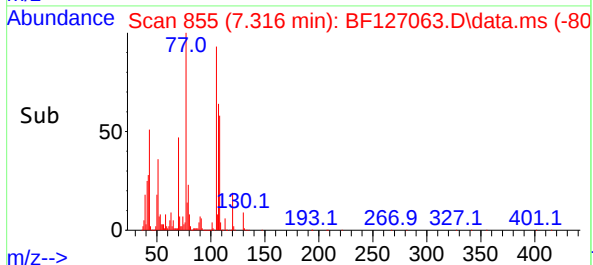
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

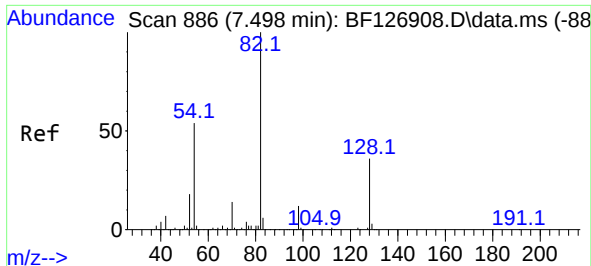


#22
Acetophenone
Concen: 49.181 ng
RT: 7.316 min Scan# 855
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



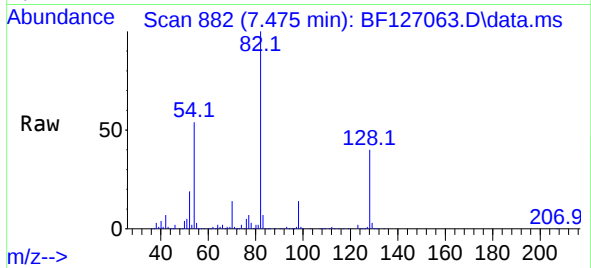
Tgt Ion:105 Resp: 365018
Ion Ratio Lower Upper
105 100
71 8.1 5.4 8.0#
51 39.2 27.4 41.0
120 20.5 17.0 25.6





#23
Nitrobenzene-d5
Concen: 66.351 ng
RT: 7.475 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

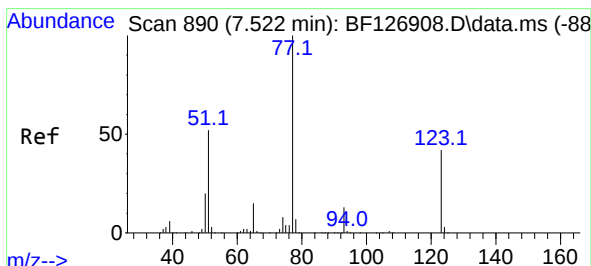
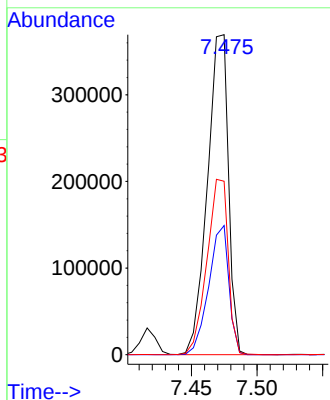
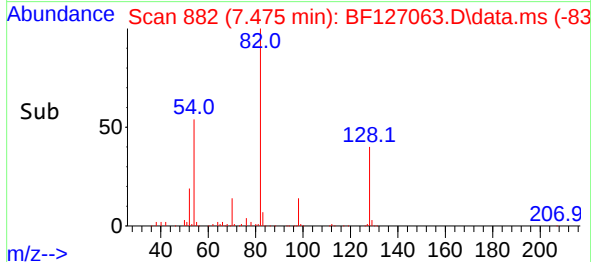
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



Tgt Ion: 82 Resp: 41437
Ion Ratio Lower Upper
82 100
128 40.3 32.7 49.1
54 54.2 41.7 62.5

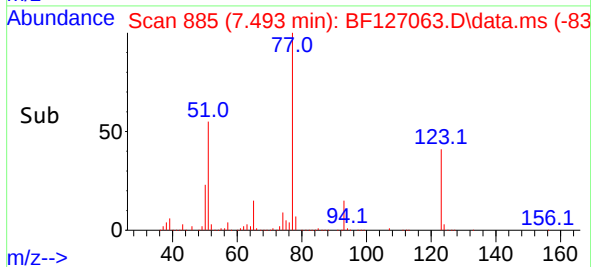
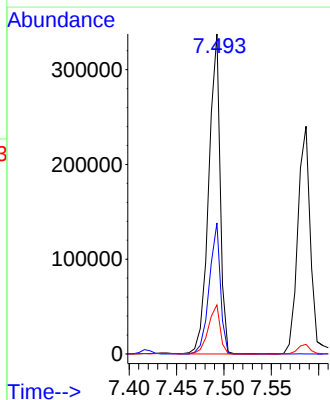
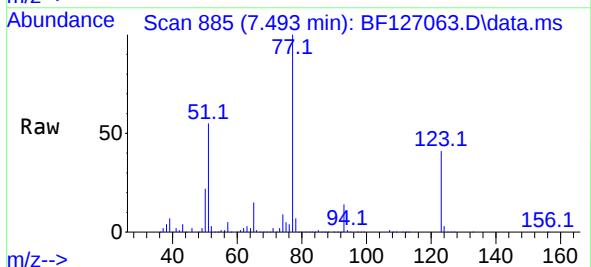
Manual Integrations
APPROVED

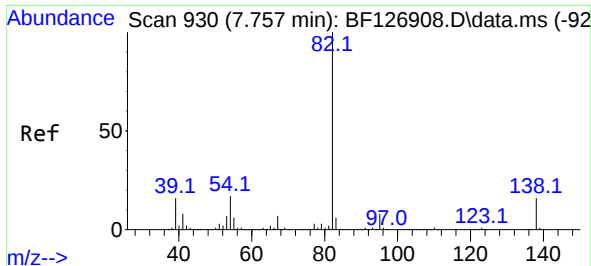
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#24
Nitrobenzene
Concen: 47.945 ng
RT: 7.493 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion: 77 Resp: 282859
Ion Ratio Lower Upper
77 100
123 41.0 34.6 52.0
65 15.3 10.6 15.8





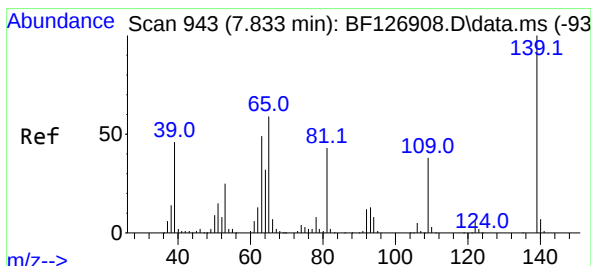
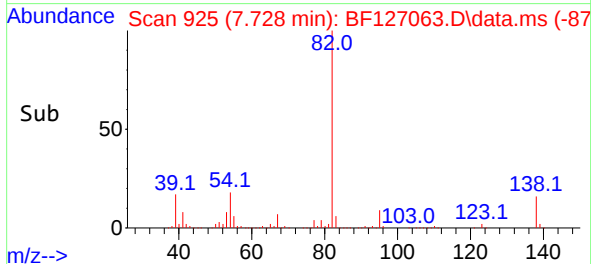
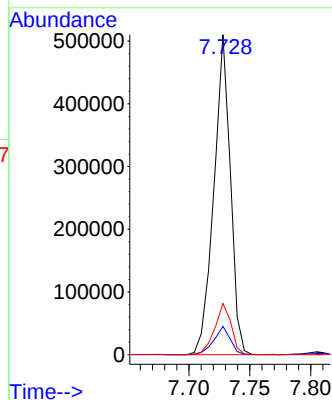
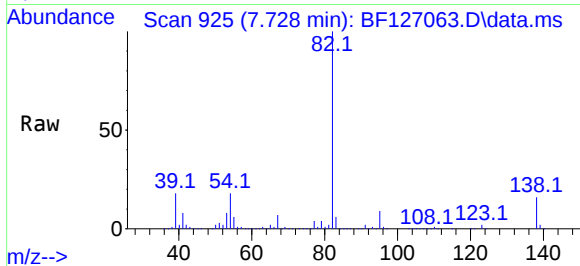
#25
Isophorone
Concen: 46.686 ng
RT: 7.728 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

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

Tgt Ion: 82 Resp: 48245
Ion Ratio Lower Upper
82 100
95 8.8 5.0 7.4
138 16.0 12.3 18.5

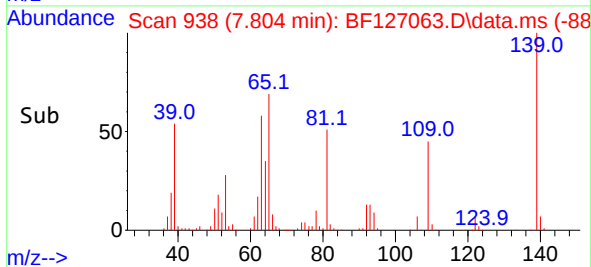
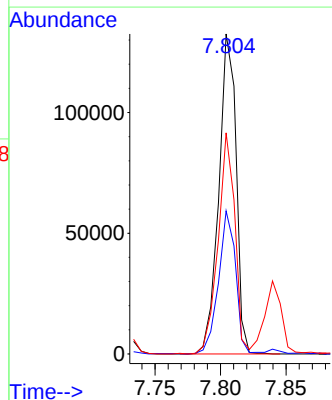
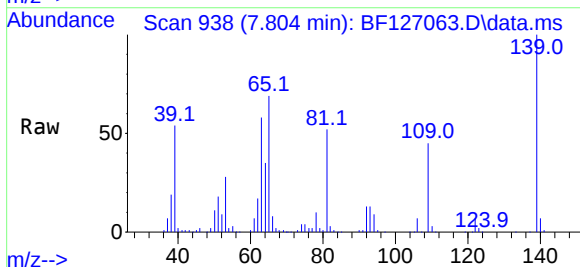
Manual Integrations
APPROVED

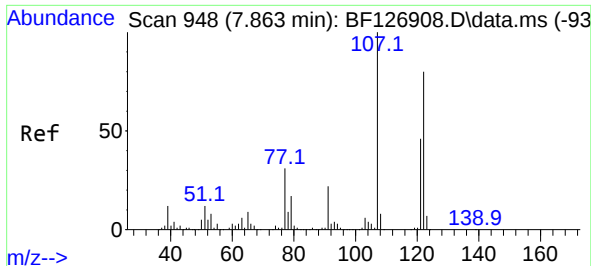
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#26
2-Nitrophenol
Concen: 48.342 ng
RT: 7.804 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

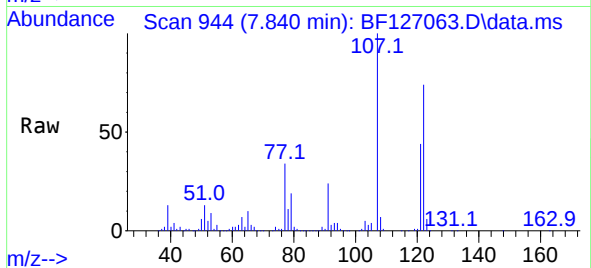
Tgt Ion:139 Resp: 121427
Ion Ratio Lower Upper
139 100
109 44.7 20.0 30.0#
65 69.1 40.8 61.2#





#27
2,4-Dimethylphenol
Concen: 52.443 ng m
RT: 7.840 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

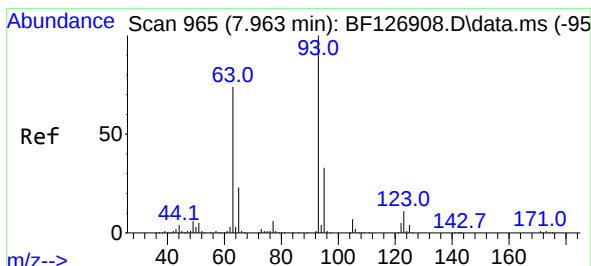
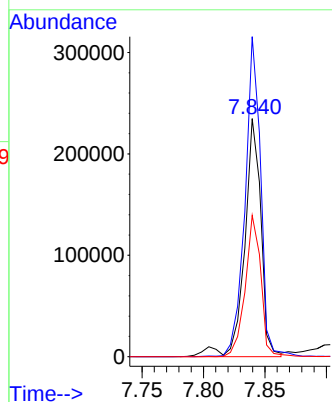
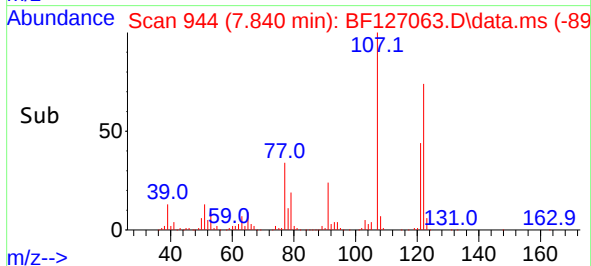
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



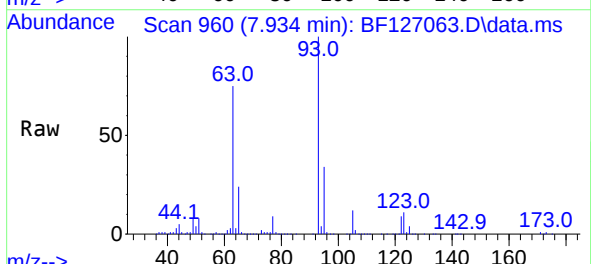
Tgt Ion:122 Resp: 21640
Ion Ratio Lower Upper
122 100
107 134.4 91.2 136.8
121 59.3 44.4 66.6

Manual Integrations
APPROVED

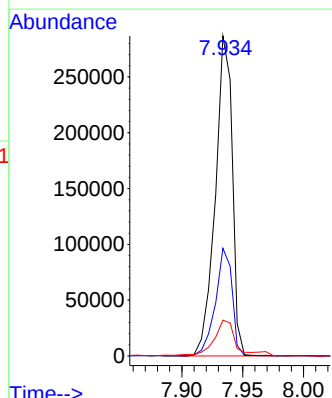
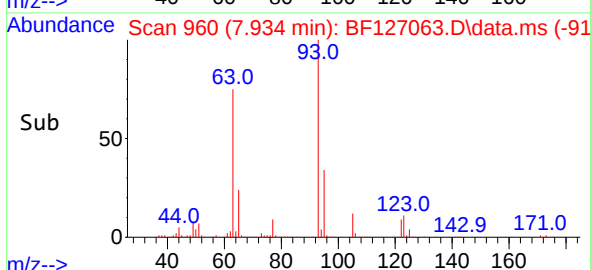
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

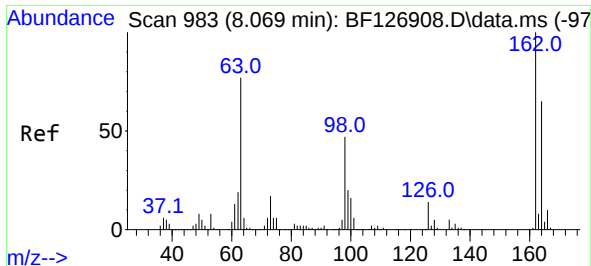


#28
bis(2-Chloroethoxy)methane
Concen: 44.338 ng
RT: 7.934 min Scan# 960
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



Tgt Ion: 93 Resp: 277778
Ion Ratio Lower Upper
93 100
95 33.7 25.4 38.2
123 11.2 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 47.512 ng

RT: 8.051 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF127063.D

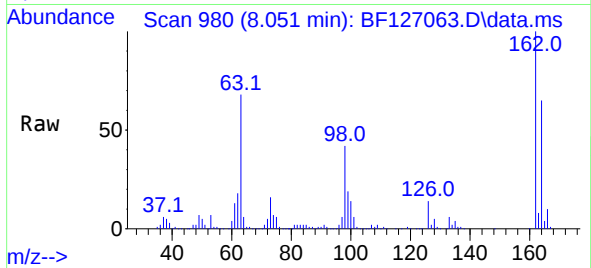
Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD



Tgt Ion:162 Resp: 184324

Ion Ratio Lower Upper

162 100

164 64.6 43.8 83.8

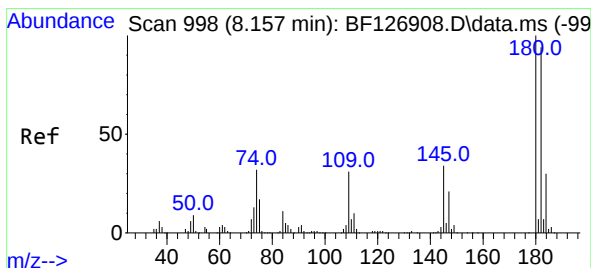
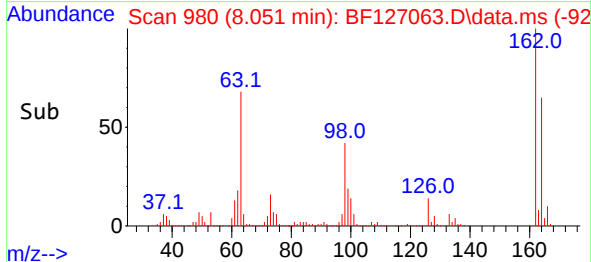
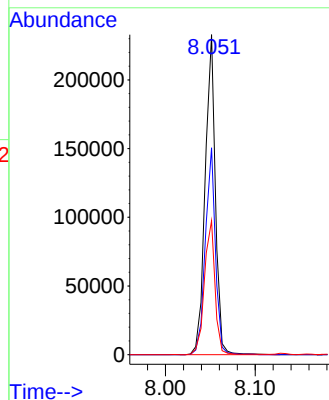
98 41.9 23.6 63.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/25/2022

Supervised By :Jagrut Upadhyay 02/25/2022



#30

1,2,4-Trichlorobenzene

Concen: 47.279 ng

RT: 8.134 min Scan# 994

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

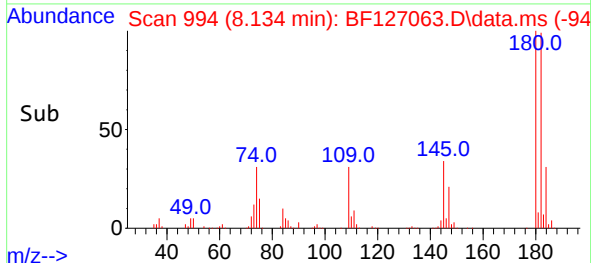
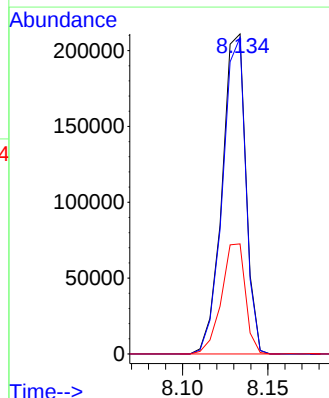
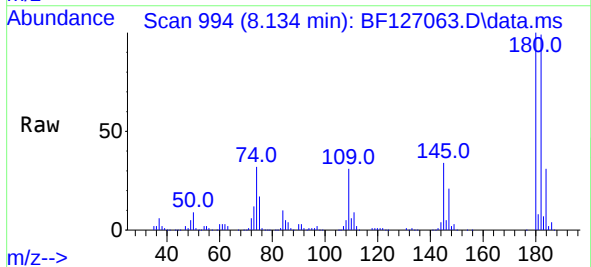
Tgt Ion:180 Resp: 205063

Ion Ratio Lower Upper

180 100

182 98.9 75.5 113.3

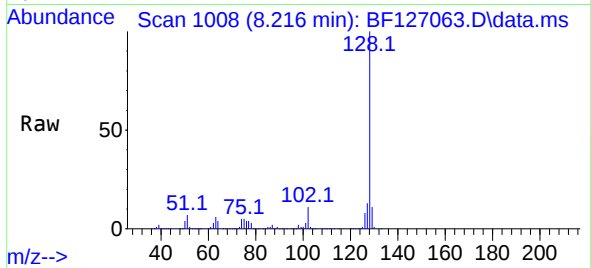
145 34.4 26.2 39.2





#31
Naphthalene
Concen: 47.311 ng
RT: 8.216 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

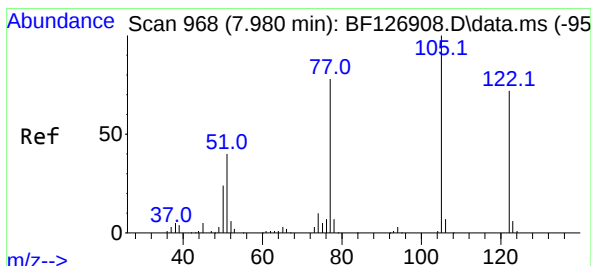
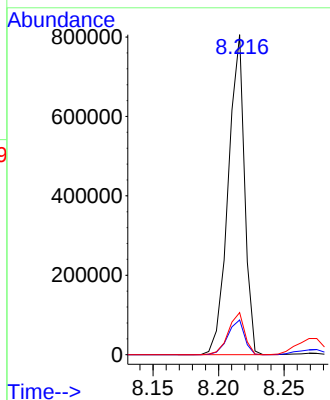
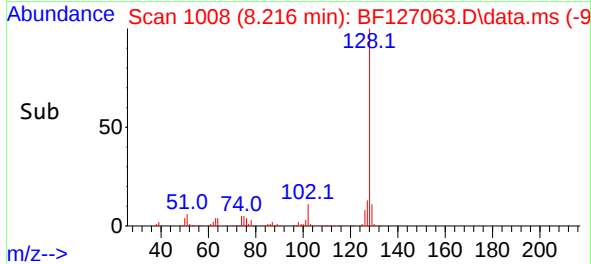
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



Tgt Ion:128 Resp: 696170
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.1 10.3 15.5

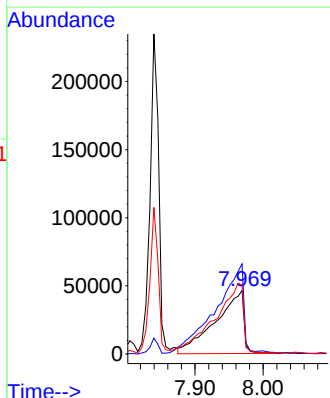
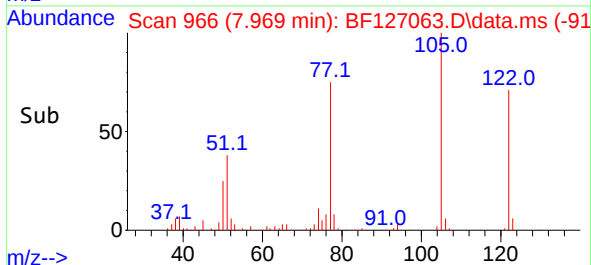
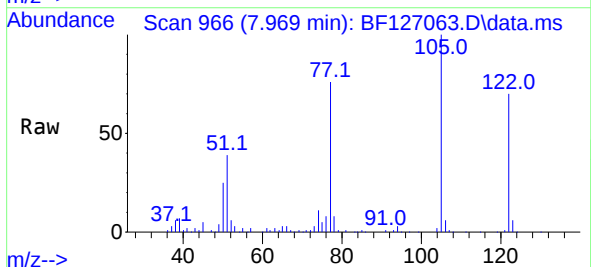
Manual Integrations
APPROVED

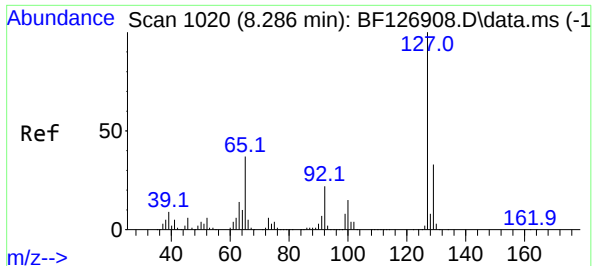
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#32
Benzoic acid
Concen: 45.434 ng
RT: 7.969 min Scan# 966
Delta R.T. 0.012 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:122 Resp: 132960
Ion Ratio Lower Upper
122 100
105 142.0 101.0 141.0#
77 108.6 74.5 114.5





#33
4-Chloroaniline
Concen: 10.806 ng
RT: 8.269 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

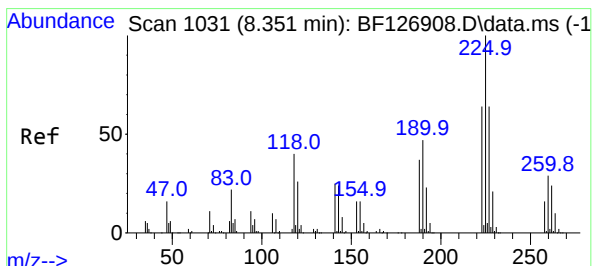
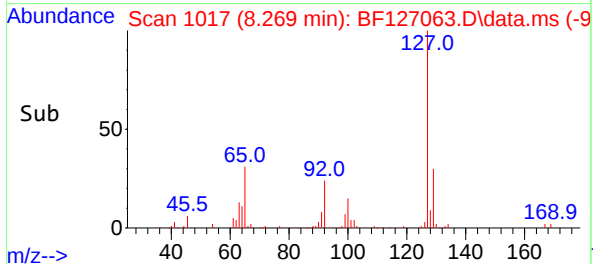
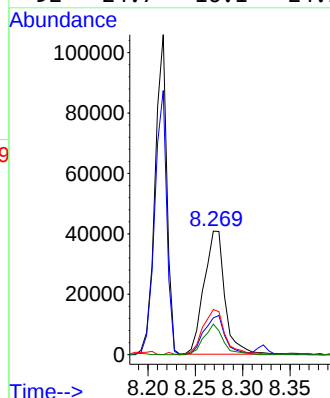
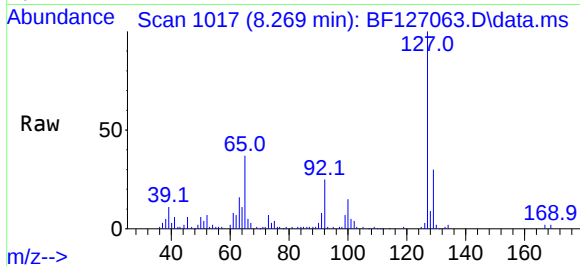
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD

Tgt Ion:127 Resp: 62590

Ion	Ratio	Lower	Upper
127	100		
129	29.8	26.5	39.7
65	36.6	26.6	39.8
92	24.7	16.1	24.1

Manual Integrations
APPROVED

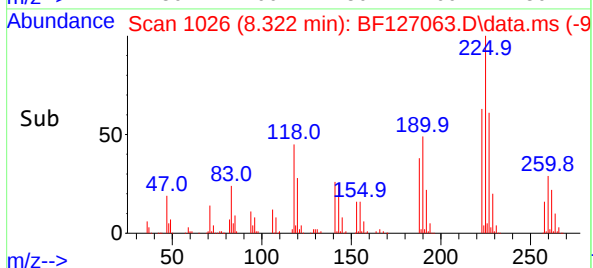
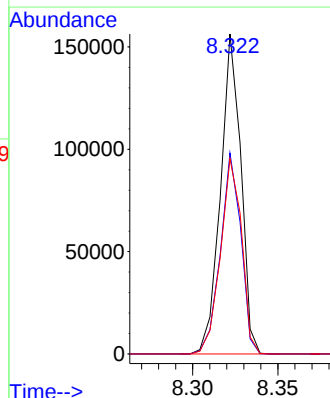
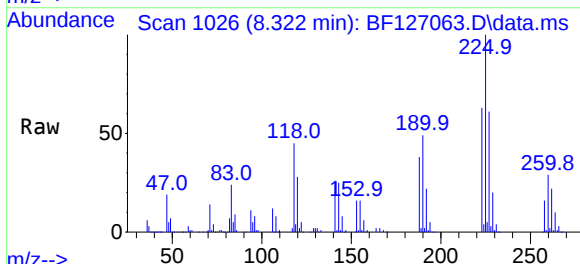
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

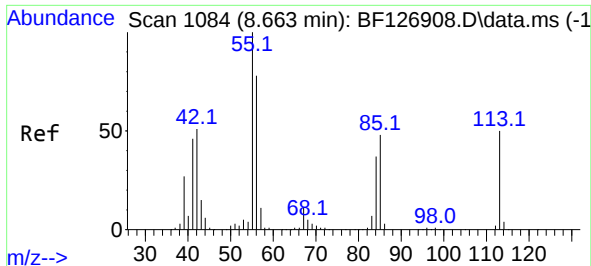


#34
Hexachlorobutadiene
Concen: 51.200 ng
RT: 8.322 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:225 Resp: 129648

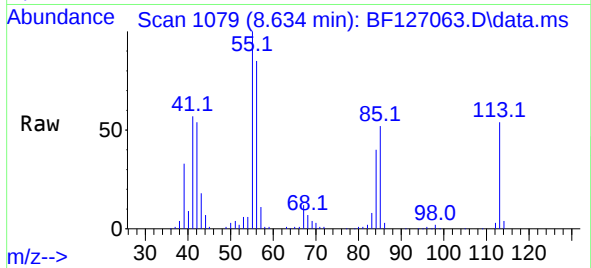
Ion	Ratio	Lower	Upper
225	100		
223	62.8	48.6	73.0
227	61.0	51.4	77.0





#35
Caprolactam
Concen: 40.698 ng m
RT: 8.634 min Scan# 1098
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

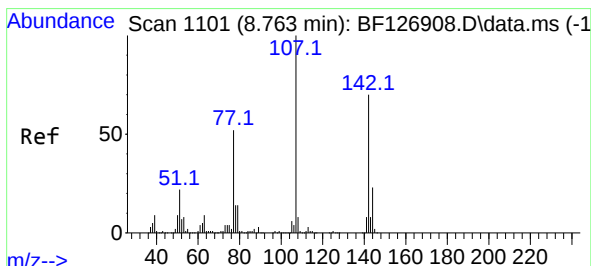
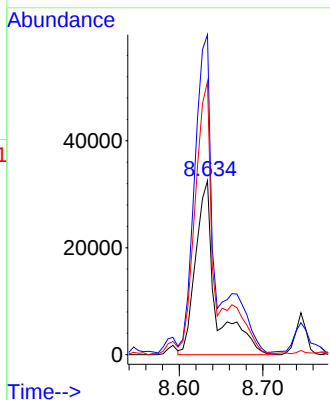
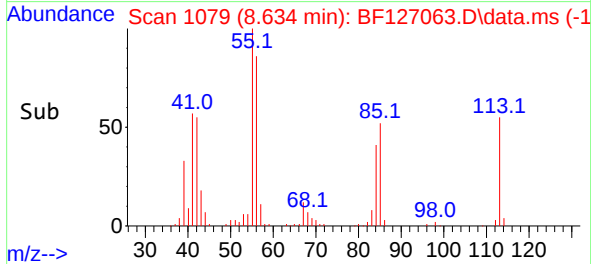
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



Tgt Ion:113 Resp: 55130
Ion Ratio Lower Upper
113 100
55 184.0 183.9 223.9
56 157.1 129.9 169.9

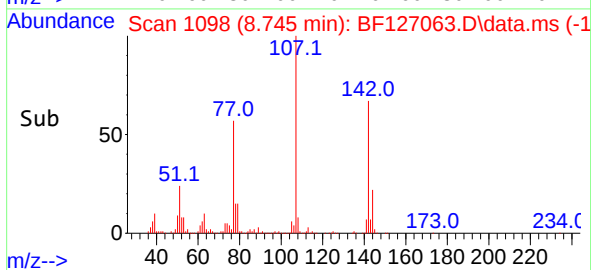
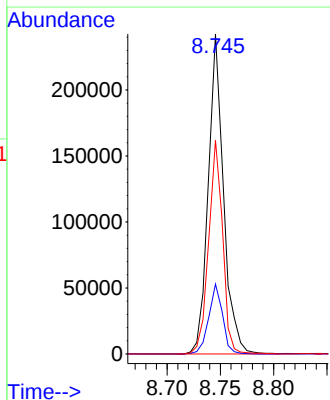
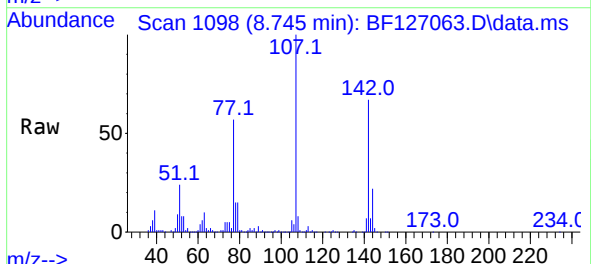
Manual Integrations
APPROVED

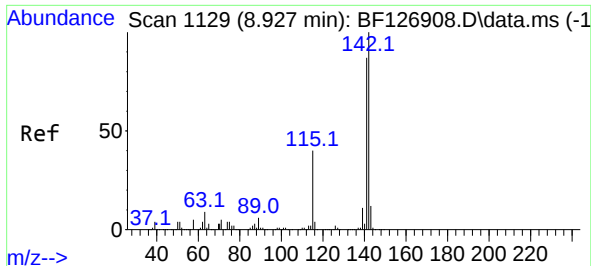
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#36
4-Chloro-3-methylphenol
Concen: 48.927 ng
RT: 8.745 min Scan# 1098
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:107 Resp: 242588
Ion Ratio Lower Upper
107 100
144 21.8 18.5 27.7
142 66.8 58.1 87.1





#37

2-Methylnaphthalene

Concen: 46.838 ng

RT: 8.904 min Scan# 1125

Delta R.T. -0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

Tgt Ion:142 Resp: 44722

Ion Ratio Lower Upper

142 100

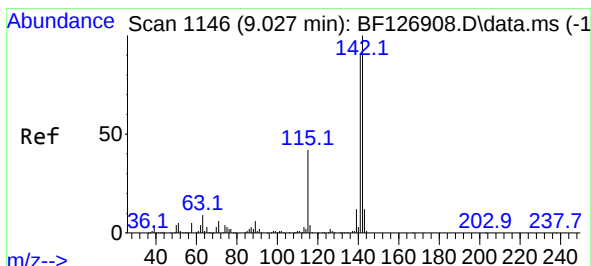
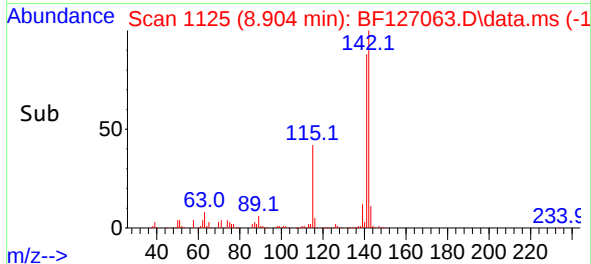
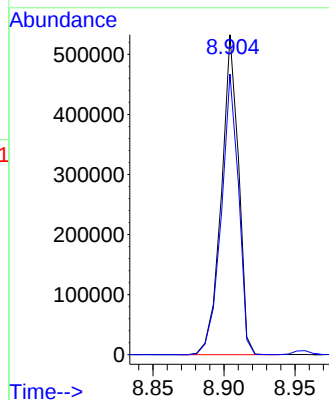
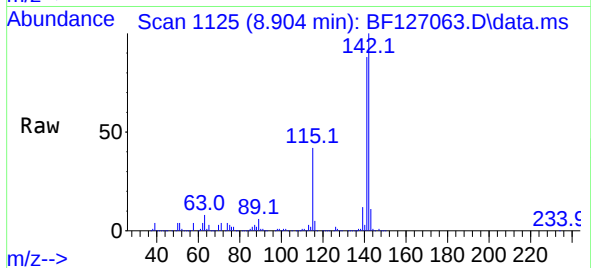
141 87.7 68.6 102.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/25/2022

Supervised By :Jagrut Upadhyay 02/25/2022



#38

1-Methylnaphthalene

Concen: 44.958 ng

RT: 9.004 min Scan# 1142

Delta R.T. -0.006 min

Lab File: BF127063.D

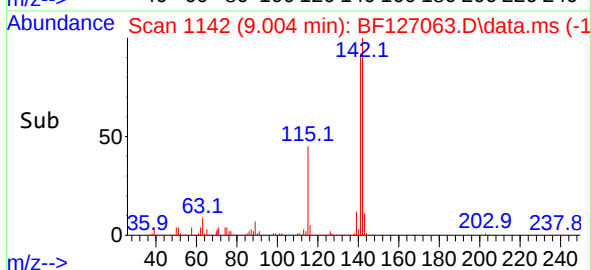
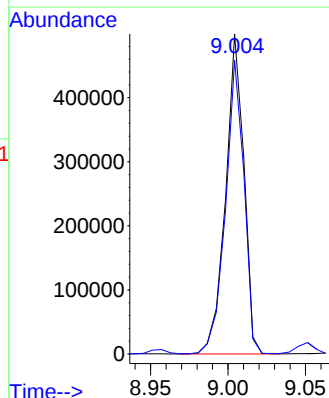
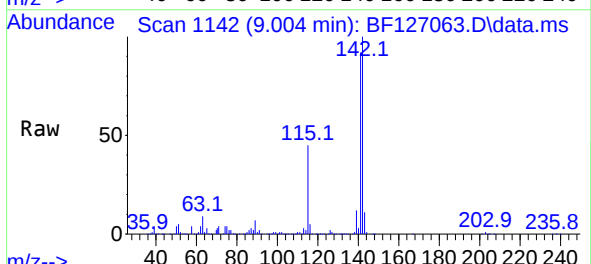
Acq: 24 Feb 2022 18:02

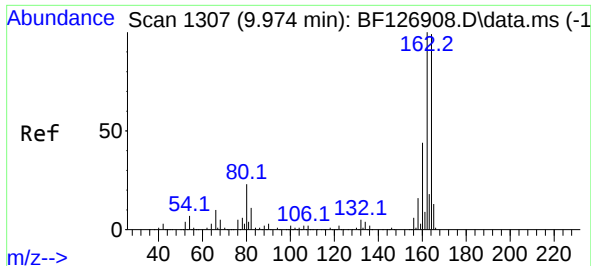
Tgt Ion:142 Resp: 411066

Ion Ratio Lower Upper

142 100

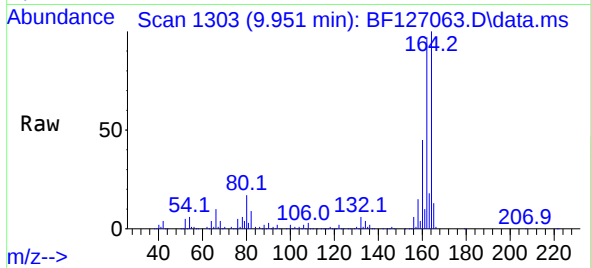
141 91.8 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

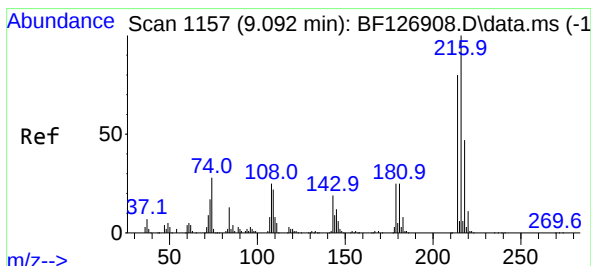
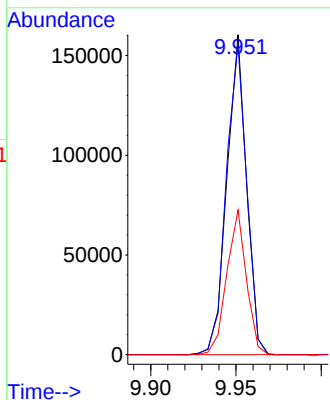
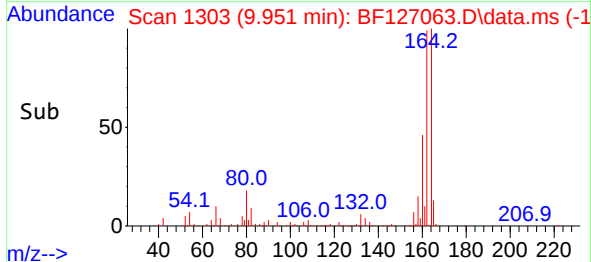
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



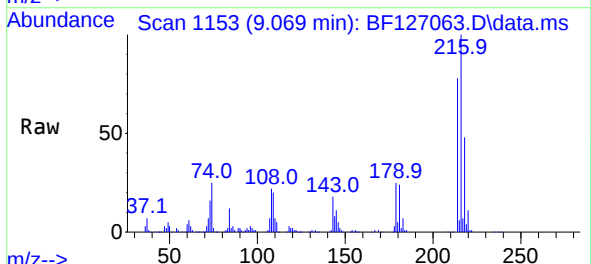
Tgt Ion:164 Resp: 128725
Ion Ratio Lower Upper
164 100
162 96.9 81.4 122.0
160 45.2 36.6 54.8

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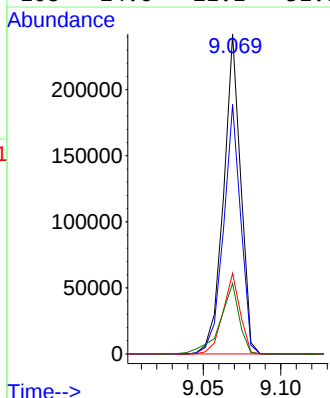
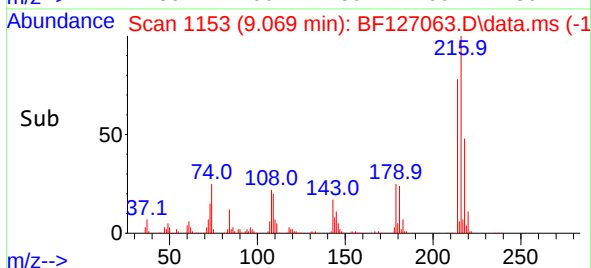
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

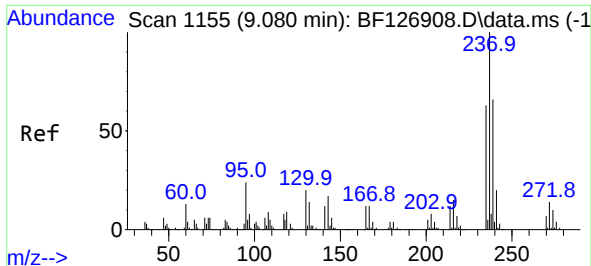


#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.820 ng
RT: 9.069 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



Tgt Ion:216 Resp: 185759
Ion Ratio Lower Upper
216 100
214 78.1 64.6 96.8
179 25.1 19.5 29.3
108 24.6 21.1 31.7





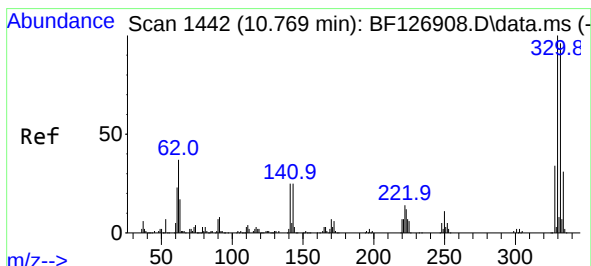
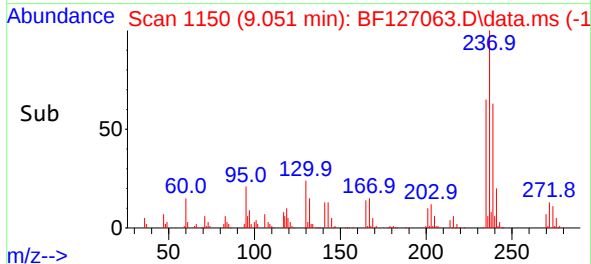
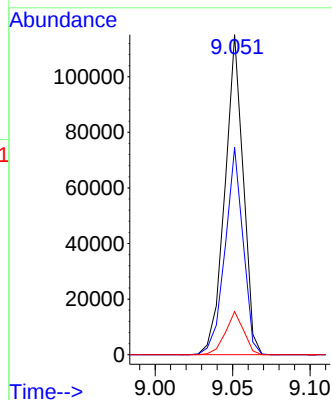
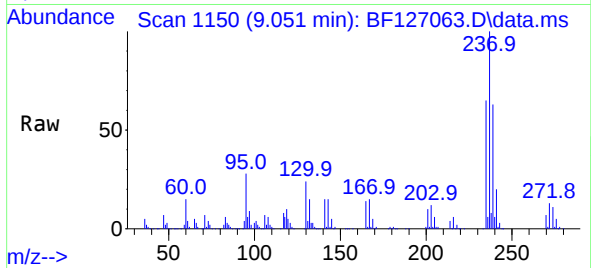
#41
Hexachlorocyclopentadiene
Concen: 51.549 ng
RT: 9.051 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

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

Tgt Ion:237 Resp: 9473
Ion Ratio Lower Upper
237 100
235 64.7 38.9 78.9
272 13.5 0.0 33.5

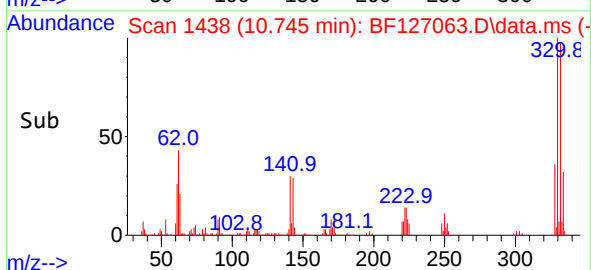
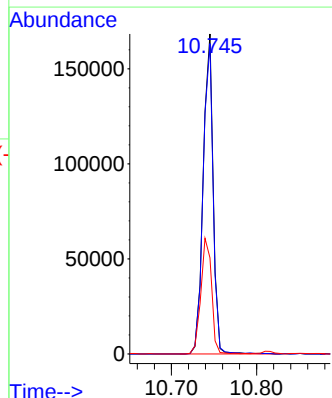
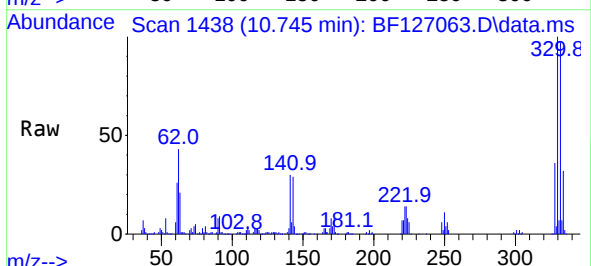
Manual Integrations
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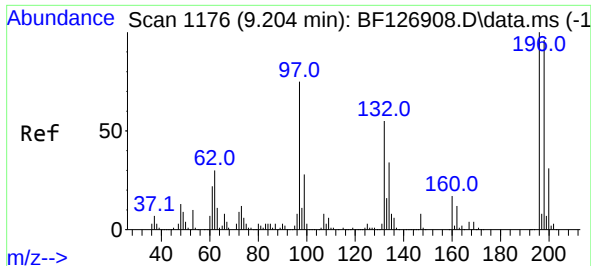
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#42
2,4,6-Tribromophenol
Concen: 92.093 ng
RT: 10.745 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:330 Resp: 136491
Ion Ratio Lower Upper
330 100
332 97.9 76.0 114.0
141 39.3 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 48.529 ng

RT: 9.181 min Scan# 1176

Delta R.T. 0.000 min

Lab File: BF127063.D

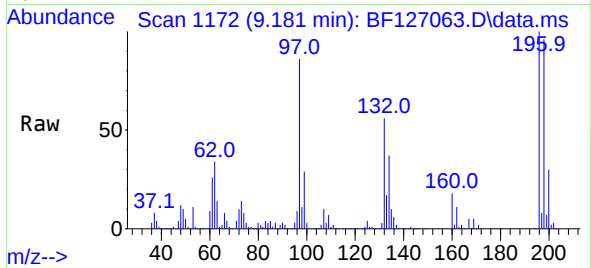
Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD



Tgt Ion:196 Resp: 120600

Ion Ratio Lower Upper

196 100

198 96.3 78.5 117.7

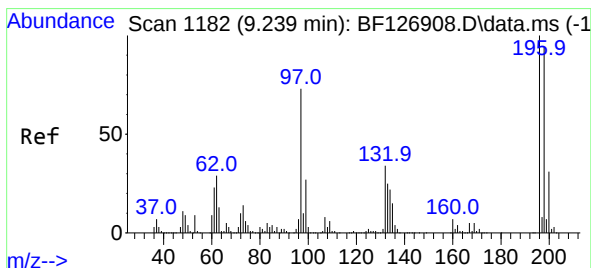
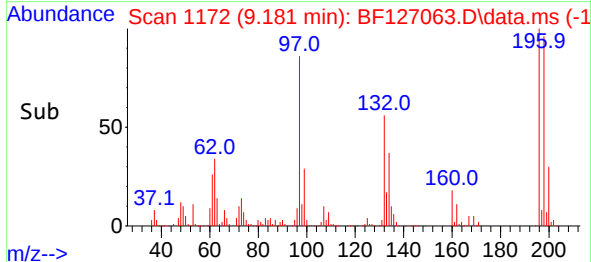
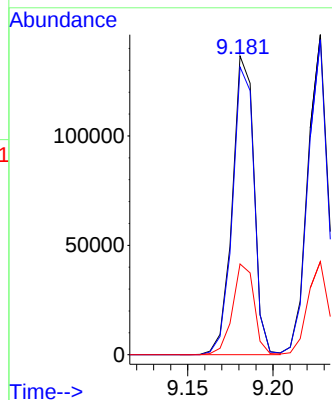
200 30.4 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/25/2022

Supervised By :Jagrut Upadhyay 02/25/2022



#44

2,4,5-Trichlorophenol

Concen: 47.336 ng

RT: 9.228 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Tgt Ion:196 Resp: 123795

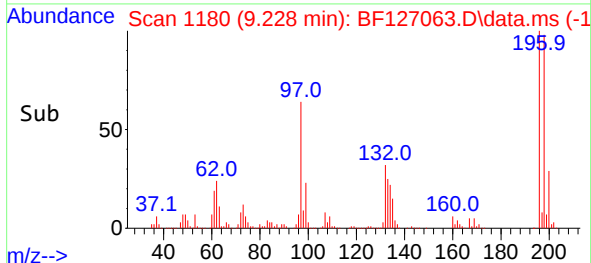
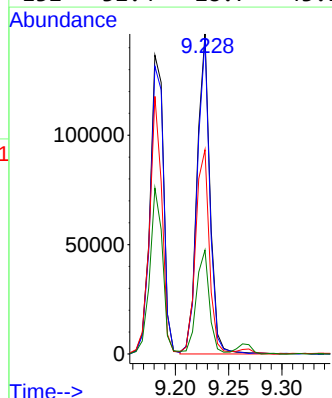
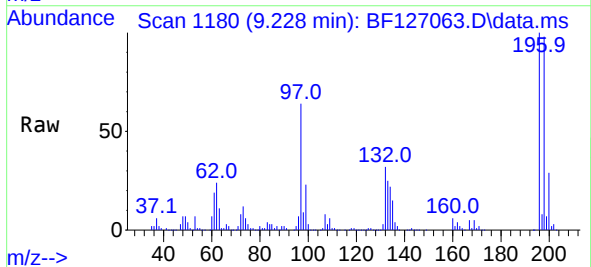
Ion Ratio Lower Upper

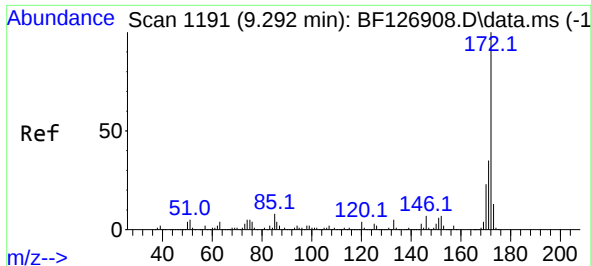
196 100

198 98.4 82.0 123.0

97 63.8 53.5 80.3

132 32.4 28.7 43.1





#45

2-Fluorobiphenyl

Concen: 72.715 ng

RT: 9.269 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

Instrument :

BNA_F

ClientSampleId :

NW-SURFICIAL-SOIL-(NW-SS)MSD

Tgt Ion:172 Resp: 635818

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

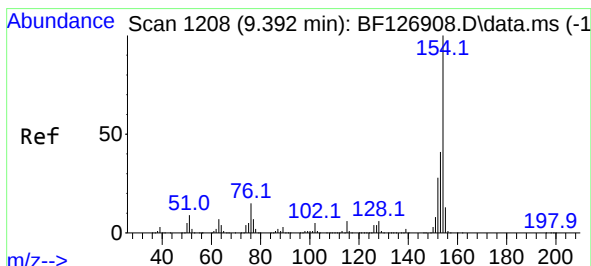
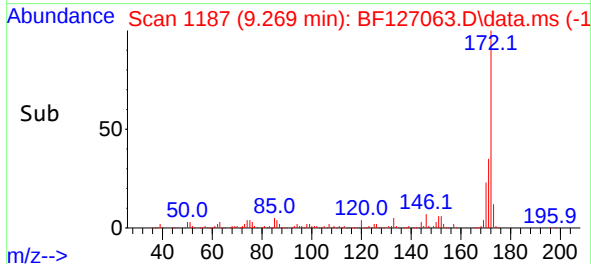
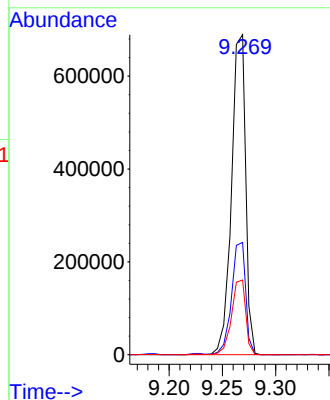
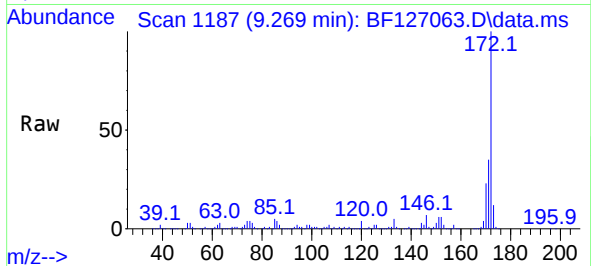
170 23.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/25/2022

Supervised By :Jagrut Upadhyay 02/25/2022



#46

1,1'-Biphenyl

Concen: 51.477 ng

RT: 9.369 min Scan# 1204

Delta R.T. -0.006 min

Lab File: BF127063.D

Acq: 24 Feb 2022 18:02

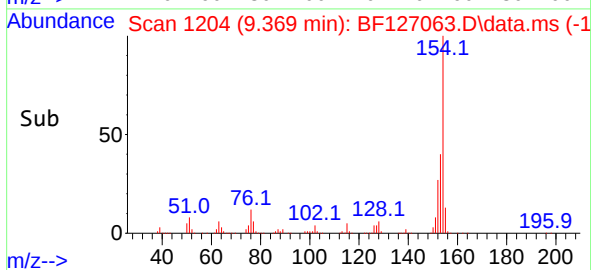
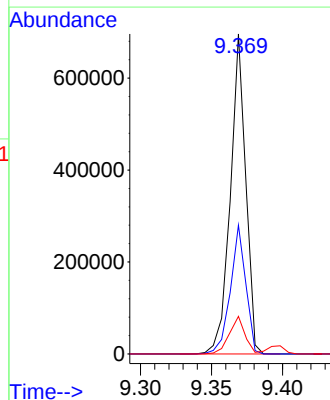
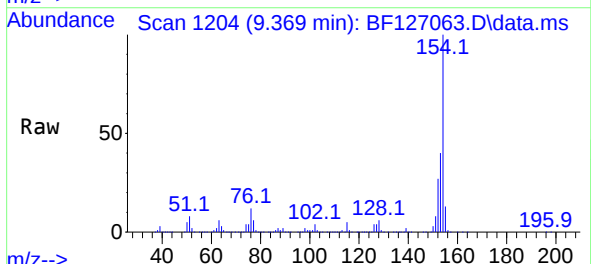
Tgt Ion:154 Resp: 525000

Ion Ratio Lower Upper

154 100

153 40.3 19.0 59.0

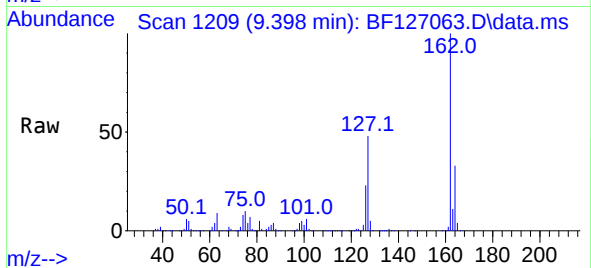
76 11.8 0.0 34.5





#47
2-Chloronaphthalene
Concen: 49.038 ng
RT: 9.398 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

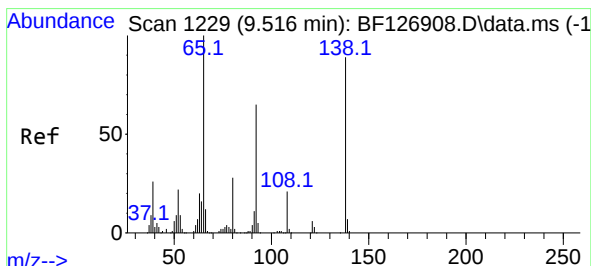
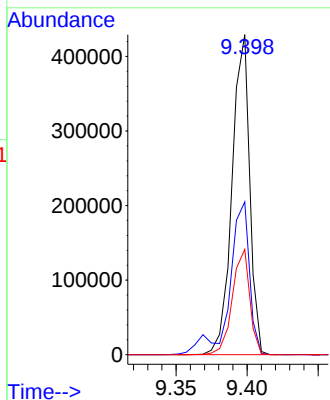
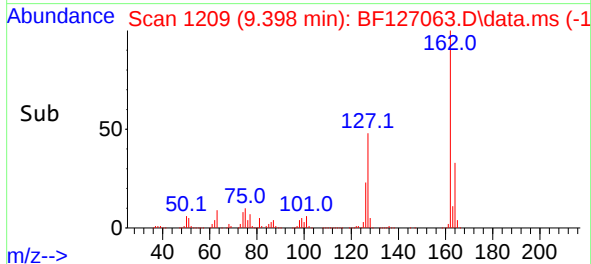
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



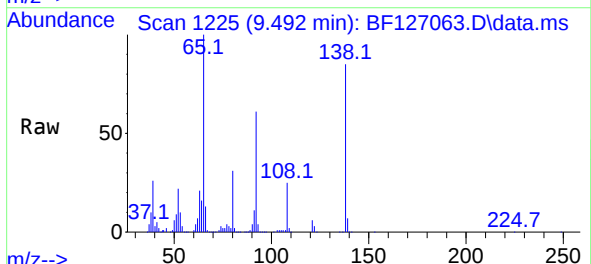
Tgt Ion:162 Resp: 37086
Ion Ratio Lower Upper
162 100
127 47.8 33.5 50.3
164 32.9 26.2 39.4

Manual Integrations
APPROVED

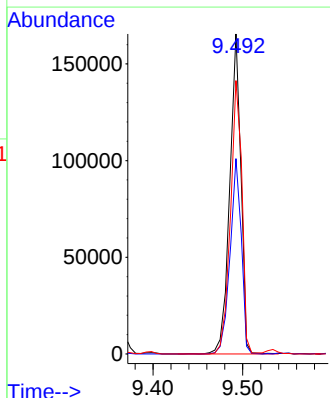
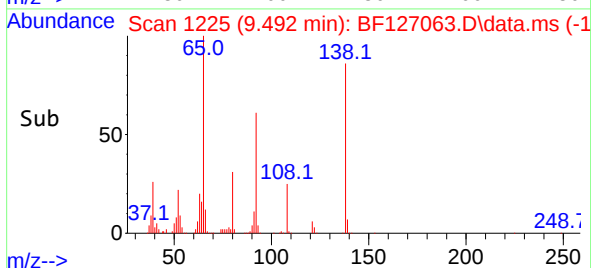
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

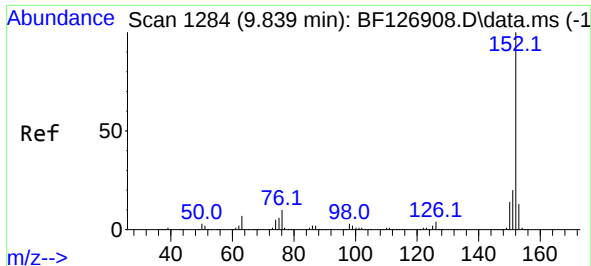


#48
2-Nitroaniline
Concen: 47.926 ng
RT: 9.492 min Scan# 1225
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



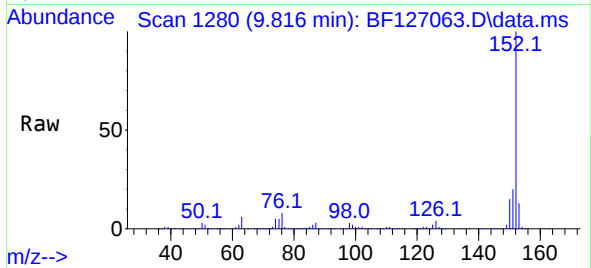
Tgt Ion: 65 Resp: 143032
Ion Ratio Lower Upper
65 100
92 61.0 54.4 81.6
138 85.5 72.5 108.7





#49
Acenaphthylene
Concen: 48.574 ng
RT: 9.816 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

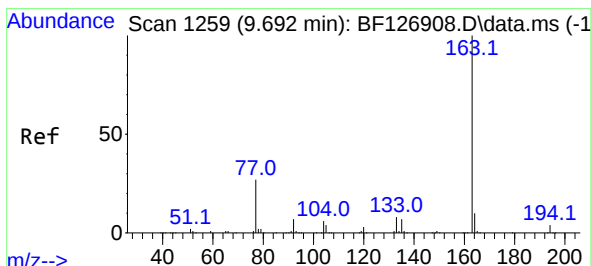
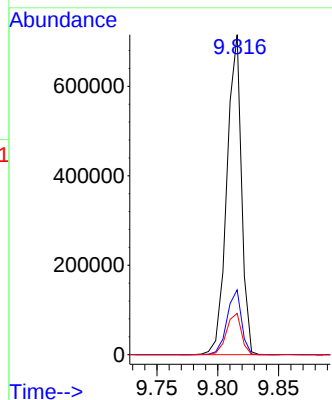
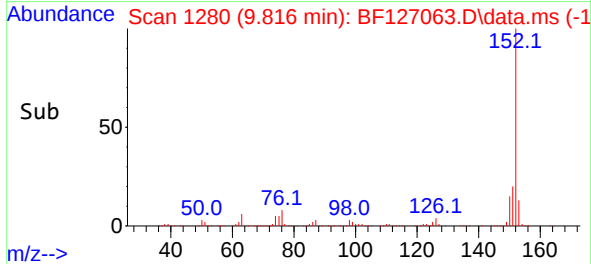
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



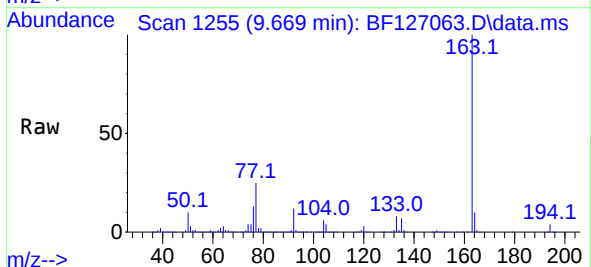
Tgt Ion:152 Resp: 596725
Ion Ratio Lower Upper
152 100
151 20.3 15.7 23.5
153 12.9 11.4 17.0

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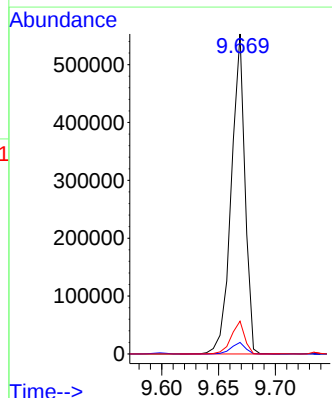
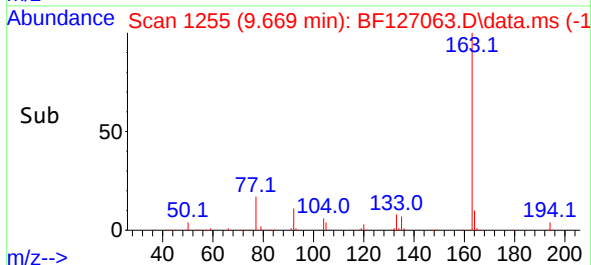
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

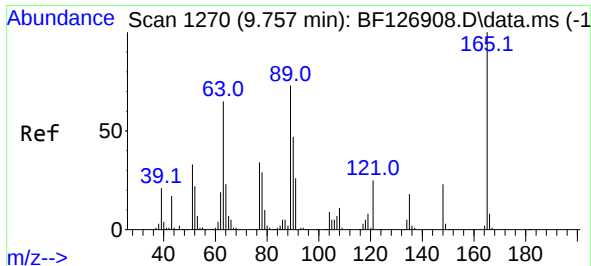


#50
Dimethylphthalate
Concen: 50.238 ng
RT: 9.669 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



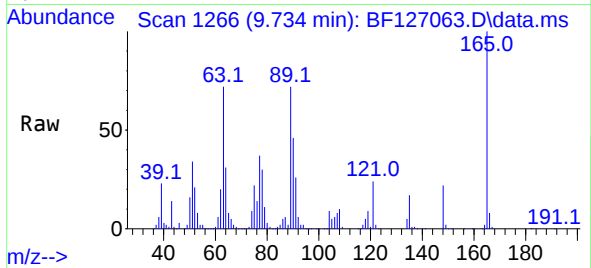
Tgt Ion:163 Resp: 462245
Ion Ratio Lower Upper
163 100
194 3.6 2.6 3.8
164 10.2 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 48.896 ng
RT: 9.734 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

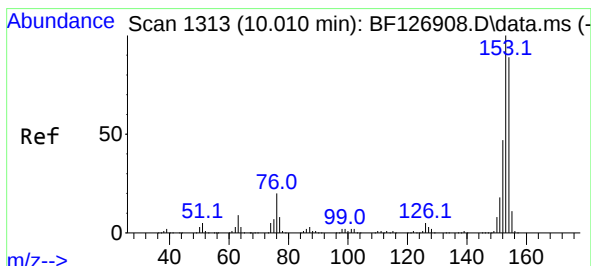
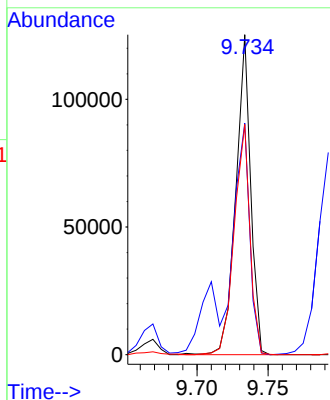
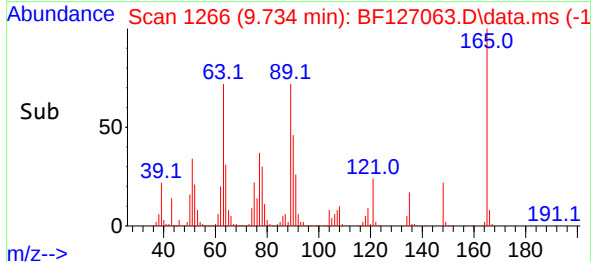
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



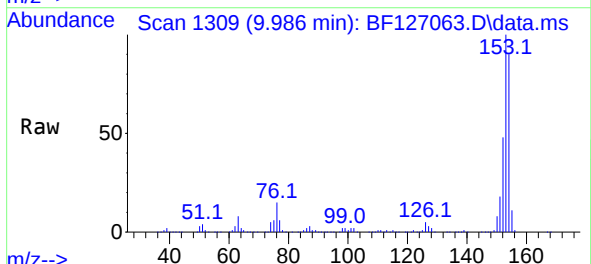
Tgt Ion:165 Resp: 91534
Ion Ratio Lower Upper
165 100
63 72.4 48.4 72.6
89 72.0 50.5 75.7

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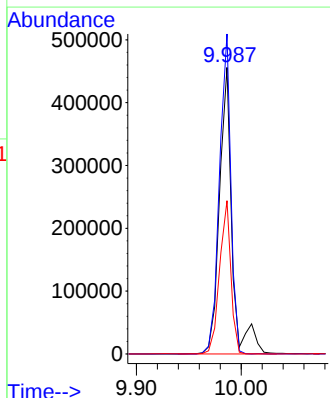
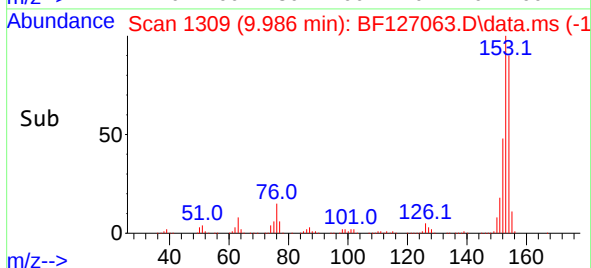
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

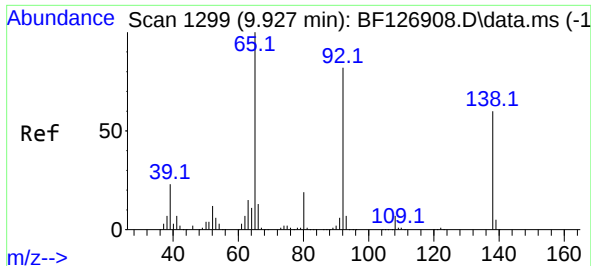


#52
Acenaphthene
Concen: 47.858 ng m
RT: 9.986 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



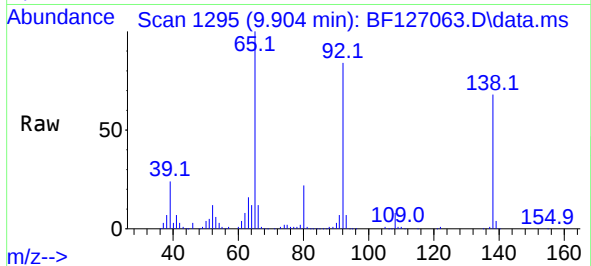
Tgt Ion:154 Resp: 382361
Ion Ratio Lower Upper
154 100
153 111.7 87.8 131.6
152 53.5 39.4 59.2





#53
3-Nitroaniline
Concen: 27.225 ng
RT: 9.904 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

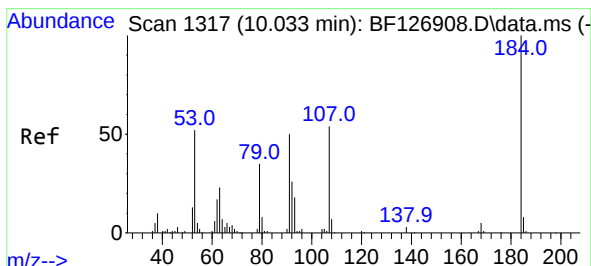
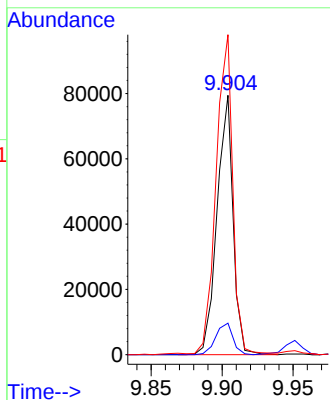
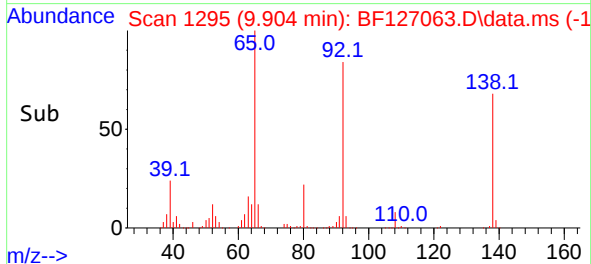
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



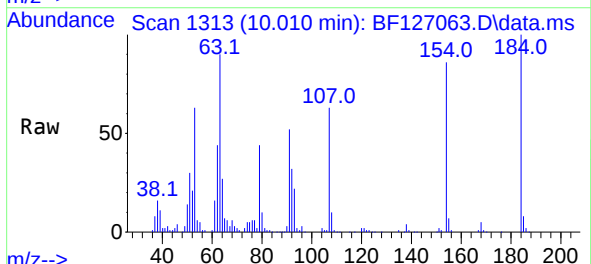
Tgt Ion:138 Resp: 62300
Ion Ratio Lower Upper
138 100
108 12.2 8.6 13.0
92 123.4 105.0 157.6

Manual Integrations
APPROVED

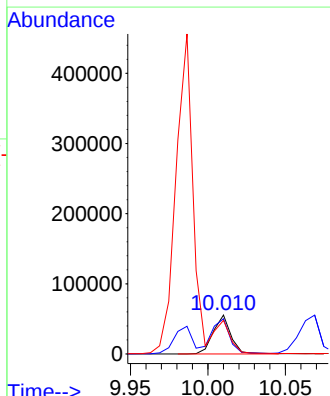
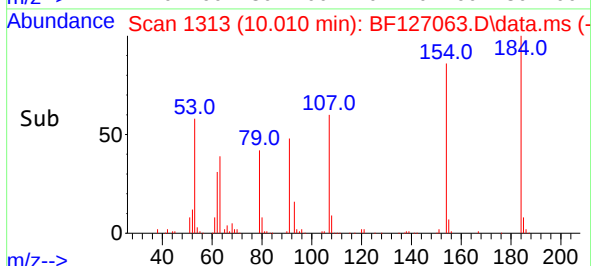
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

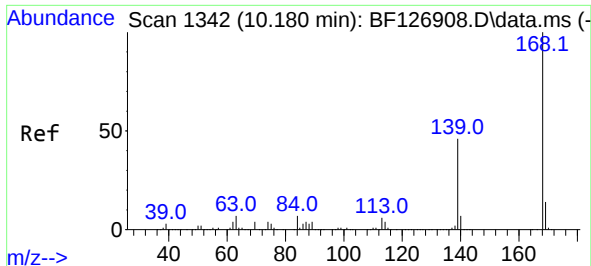


#54
2,4-Dinitrophenol
Concen: 44.491 ng
RT: 10.010 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



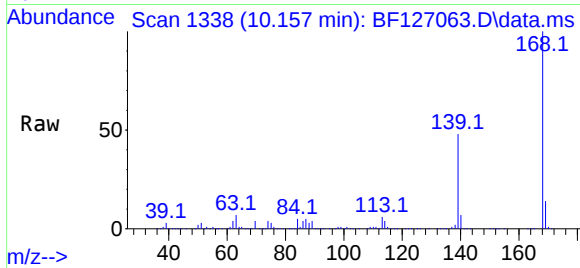
Tgt Ion:184 Resp: 44083
Ion Ratio Lower Upper
184 100
63 90.2 70.4 105.6
154 86.2 49.7 74.5#





#55
Dibenzenofuran
Concen: 45.138 ng
RT: 10.157 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

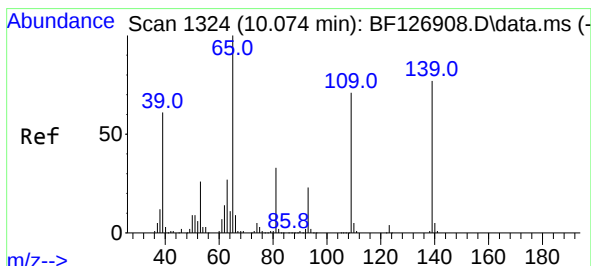
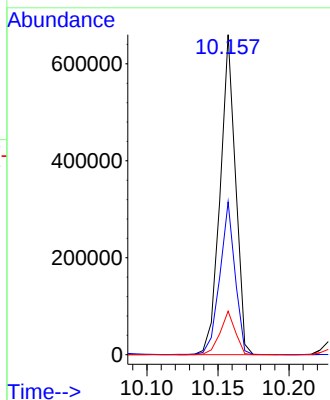
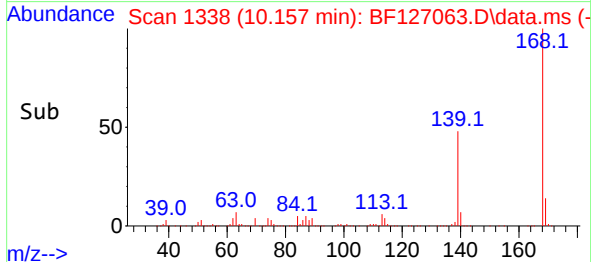
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



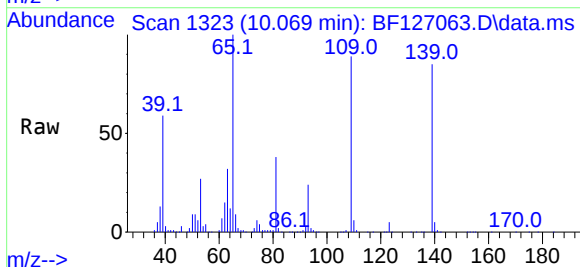
Tgt Ion:168 Resp: 49589
Ion Ratio Lower Upper
168 100
139 47.8 30.6 46.0
169 13.6 10.0 15.0

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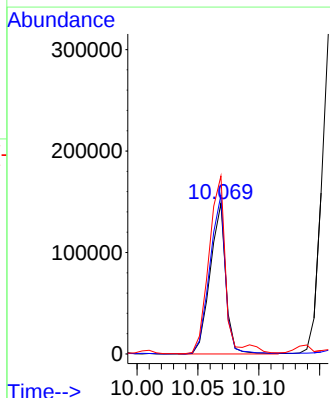
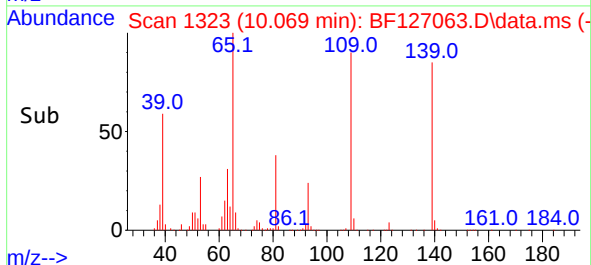
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

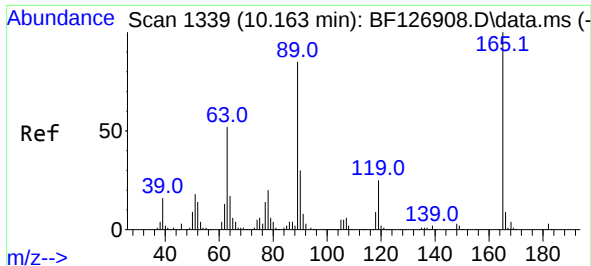


#56
4-Nitrophenol
Concen: 78.208 ng
RT: 10.069 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



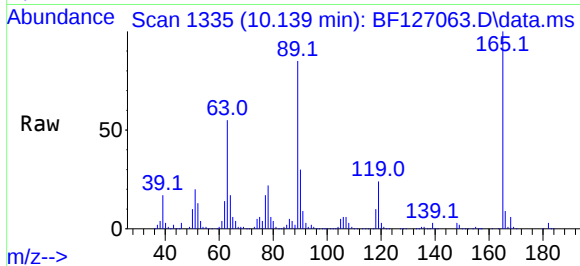
Tgt Ion:139 Resp: 132178
Ion Ratio Lower Upper
139 100
109 105.7 44.1 84.1#
65 118.2 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 45.608 ng
RT: 10.139 min Scan# 115439
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

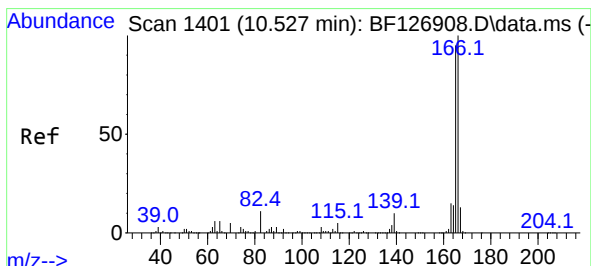
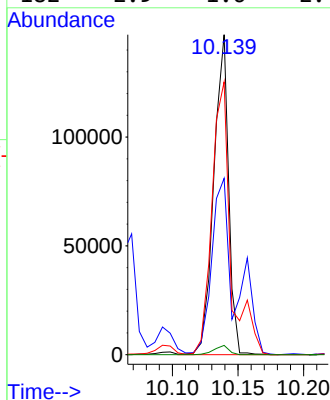
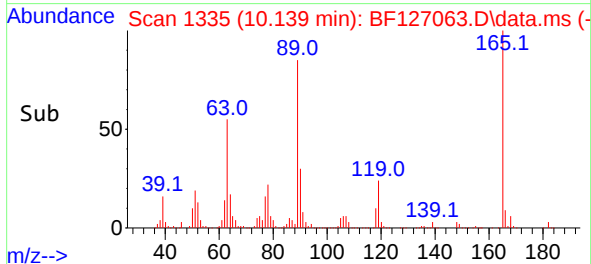
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



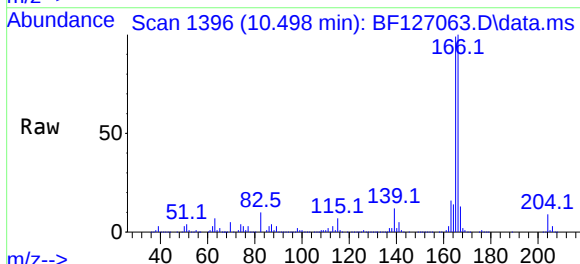
Tgt Ion:165 Resp: 115439
Ion Ratio Lower Upper
165 100
63 55.1 43.0 64.6
89 85.2 71.0 106.4
182 2.9 1.6 2.4#

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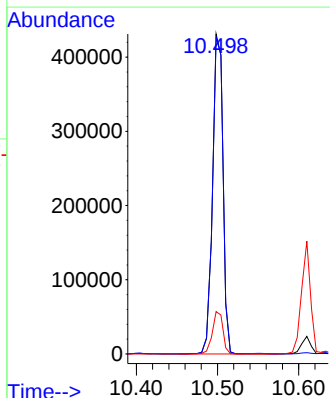
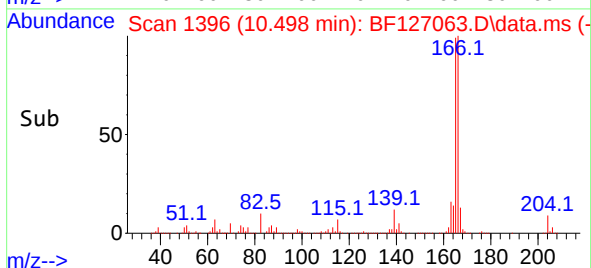
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

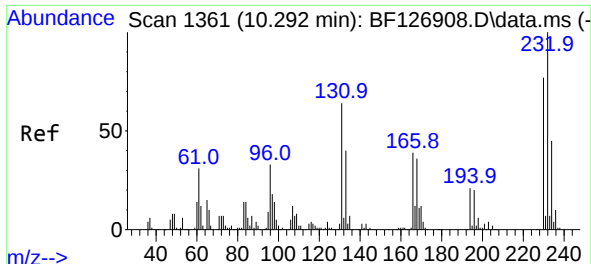


#58
Fluorene
Concen: 44.576 ng
RT: 10.498 min Scan# 1396
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



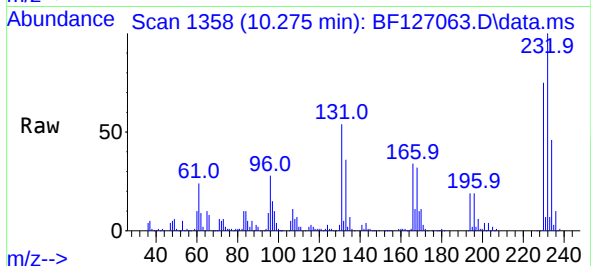
Tgt Ion:166 Resp: 381460
Ion Ratio Lower Upper
166 100
165 98.9 77.7 116.5
167 13.3 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.648 ng
RT: 10.275 min Scan# 1358
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

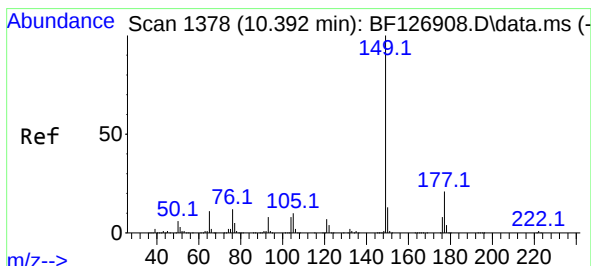
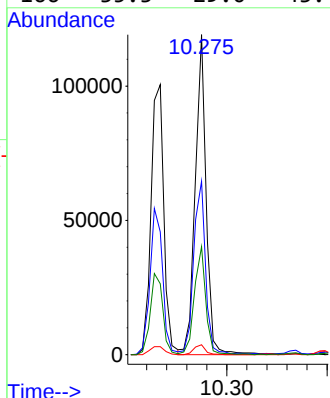
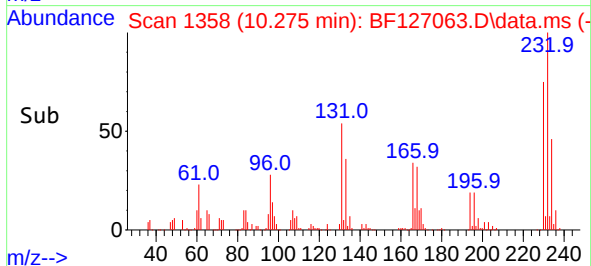
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



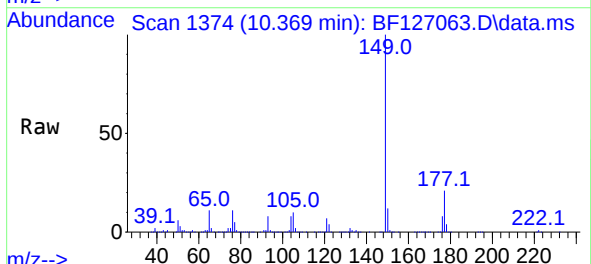
Tgt Ion:232 Resp: 90491
Ion Ratio Lower Upper
232 100
131 58.2 50.0 75.0
130 3.3 2.2 3.2
166 35.3 29.0 43.4

Manual Integrations
APPROVED

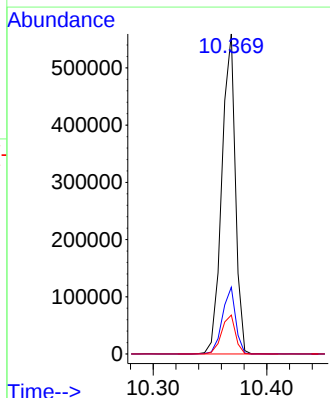
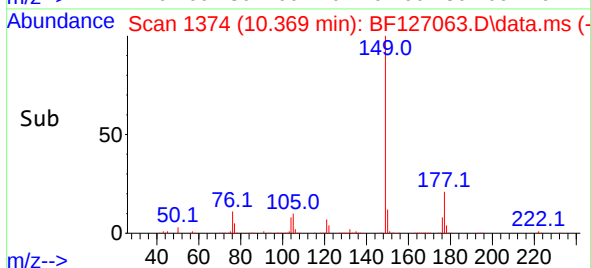
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

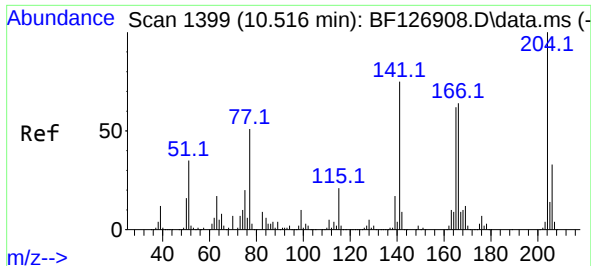


#60
Diethylphthalate
Concen: 48.312 ng
RT: 10.369 min Scan# 1374
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



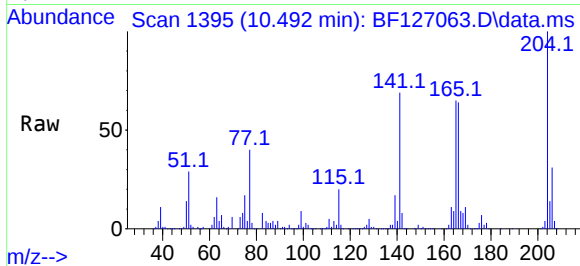
Tgt Ion:149 Resp: 464490
Ion Ratio Lower Upper
149 100
177 20.9 16.7 25.1
150 12.1 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 46.685 ng
RT: 10.492 min Scan# 1395
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

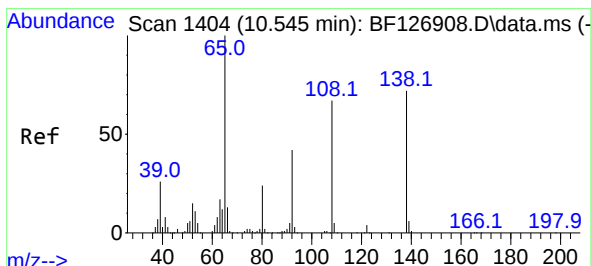
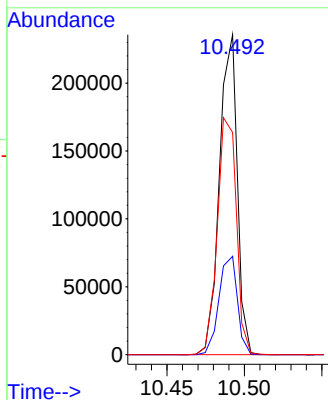
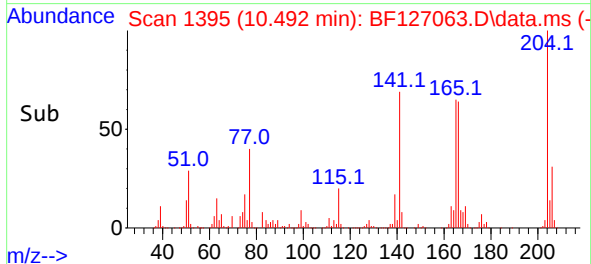
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



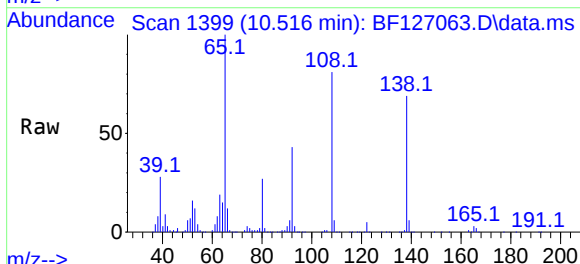
Tgt Ion:204 Resp: 188384
Ion Ratio Lower Upper
204 100
206 30.8 26.3 39.5
141 69.5 59.0 88.6

Manual Integrations
APPROVED

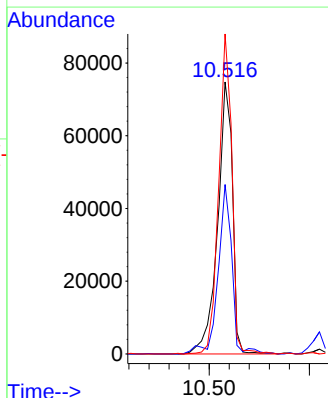
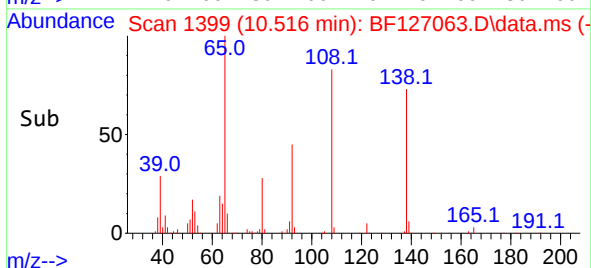
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

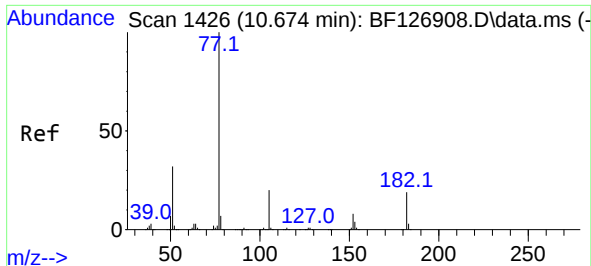


#62
4-Nitroaniline
Concen: 33.885 ng
RT: 10.516 min Scan# 1399
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



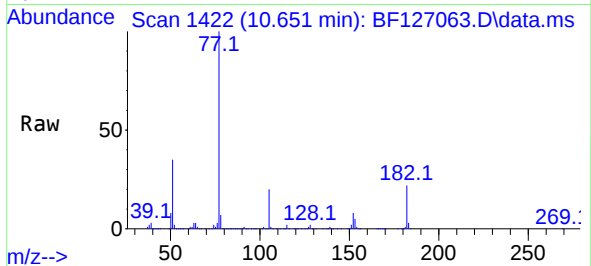
Tgt Ion:138 Resp: 76568
Ion Ratio Lower Upper
138 100
92 62.3 36.2 76.2
108 117.6 46.7 86.7#





#63
Azobenzene
Concen: 40.481 ng
RT: 10.651 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

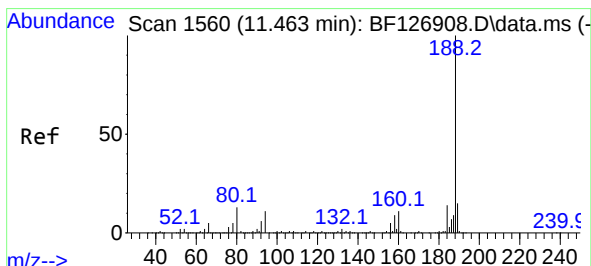
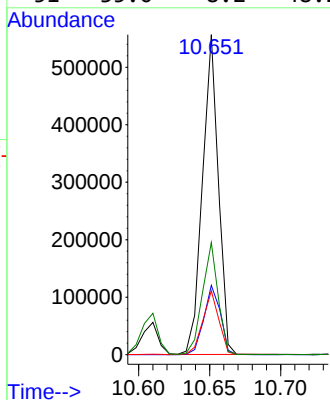
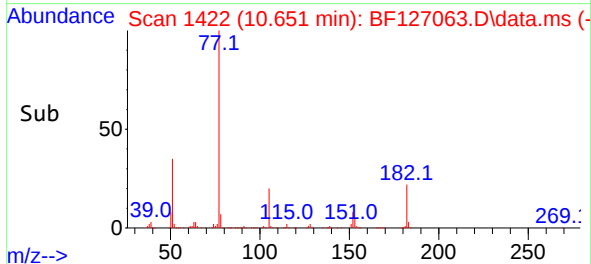
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



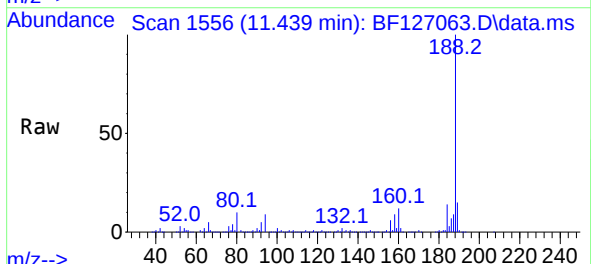
Tgt Ion: 77 Resp: 433370
Ion Ratio Lower Upper
77 100
182 21.6 0.0 39.0
105 19.9 3.2 43.2
51 35.0 8.2 48.2

Manual Integrations
APPROVED

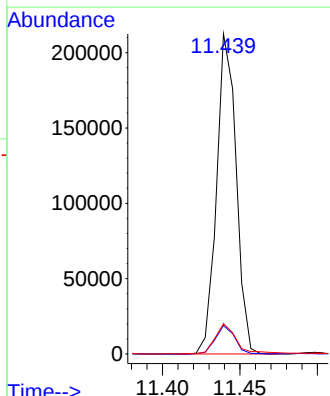
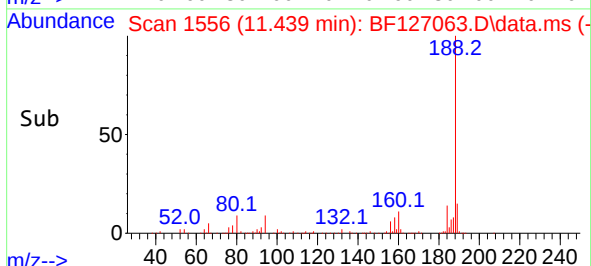
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

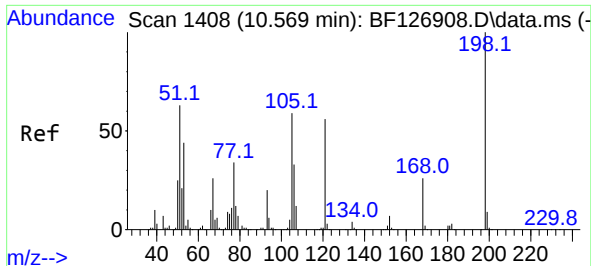


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



Tgt Ion:188 Resp: 186513
Ion Ratio Lower Upper
188 100
94 8.9 10.1 15.1#
80 9.5 11.8 17.6#





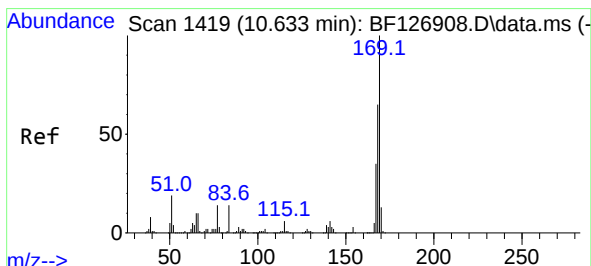
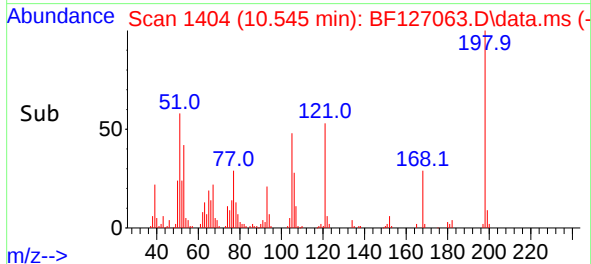
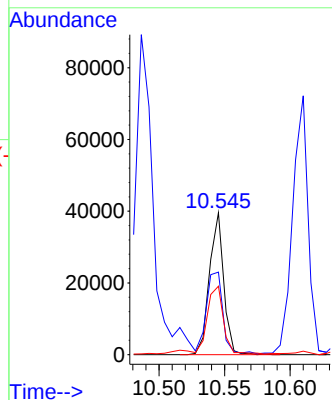
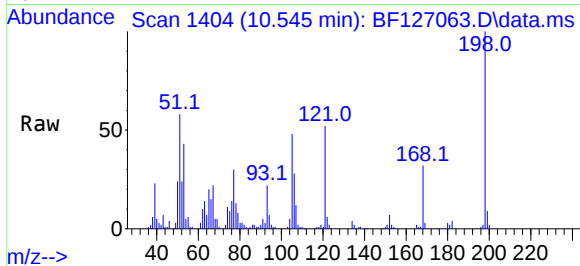
#65
4,6-Dinitro-2-methylphenol
Concen: 27.413 ng
RT: 10.545 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

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

Tgt Ion:198 Resp: 3004
Ion Ratio Lower Upper
198 100
51 58.2 32.0 72.0
105 48.2 32.7 72.7

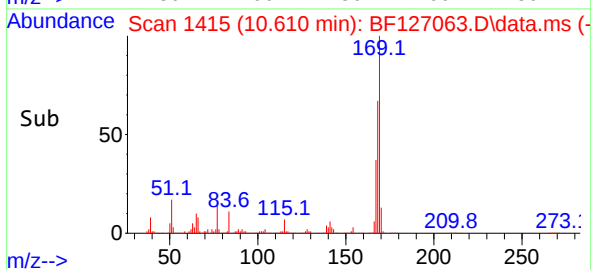
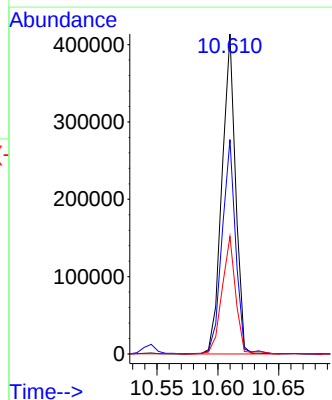
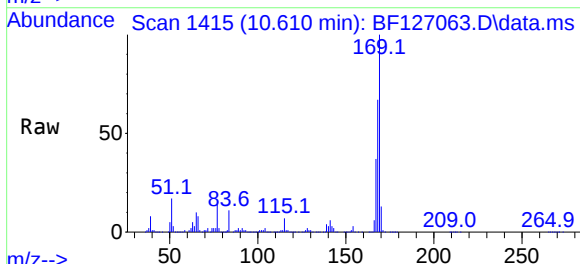
Manual Integrations
APPROVED

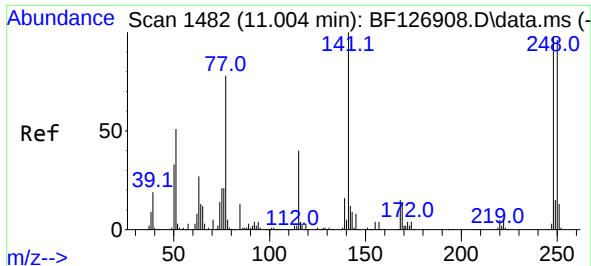
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#66
n-Nitrosodiphenylamine
Concen: 52.809 ng
RT: 10.610 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

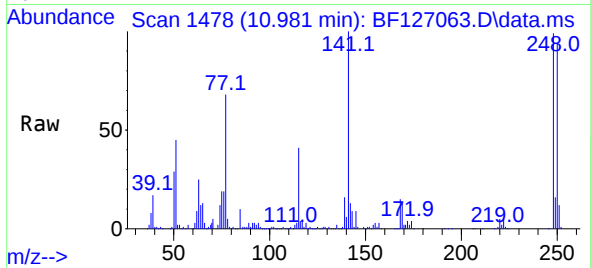
Tgt Ion:169 Resp: 322978
Ion Ratio Lower Upper
169 100
168 67.0 53.4 80.0
167 36.8 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 52.275 ng
RT: 10.981 min Scan# 1482
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

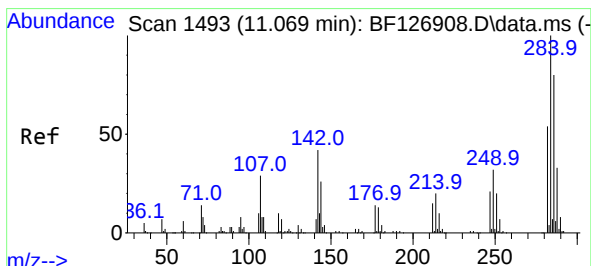
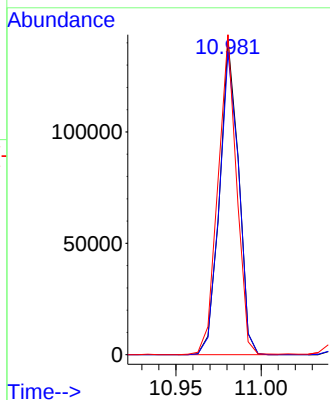
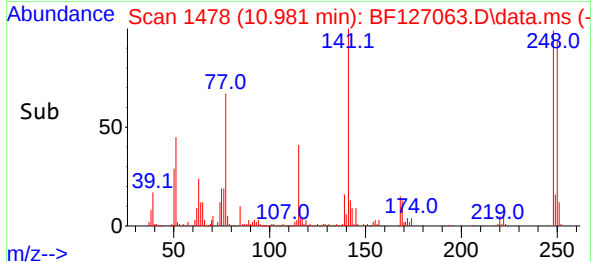
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



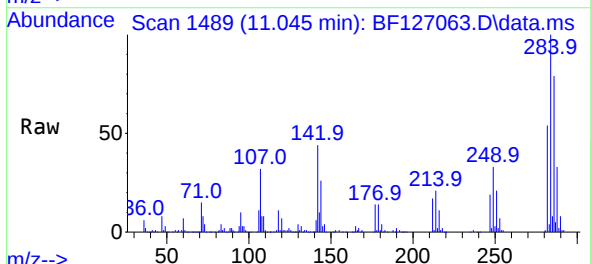
Tgt Ion:248 Resp: 108930
Ion Ratio Lower Upper
248 100
250 95.8 76.2 114.4
141 101.4 66.2 99.4

Manual Integrations
APPROVED

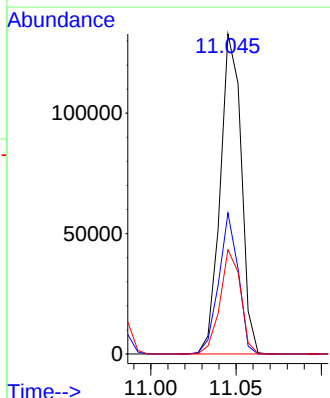
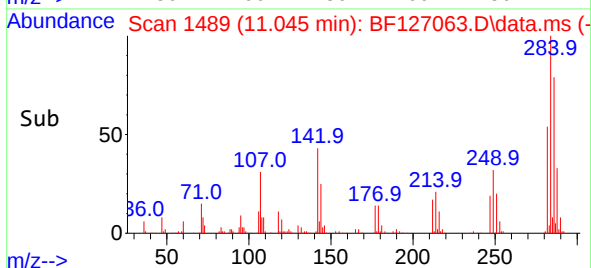
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

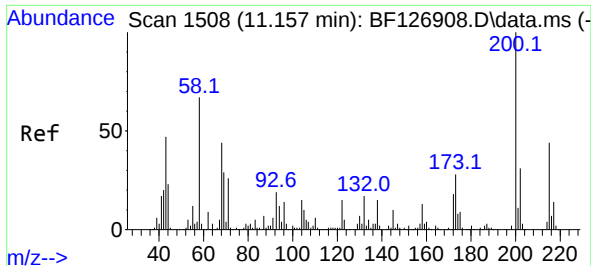


#68
Hexachlorobenzene
Concen: 50.803 ng
RT: 11.045 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



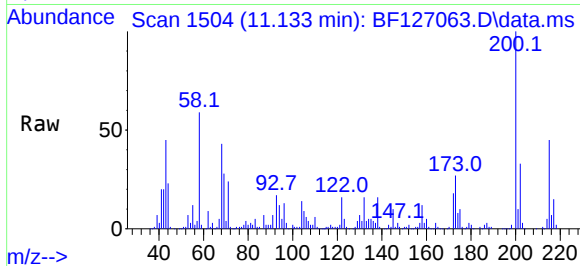
Tgt Ion:284 Resp: 113972
Ion Ratio Lower Upper
284 100
142 44.1 30.7 46.1
249 32.5 21.1 31.7





#69
Atrazine
Concen: 51.509 ng
RT: 11.133 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

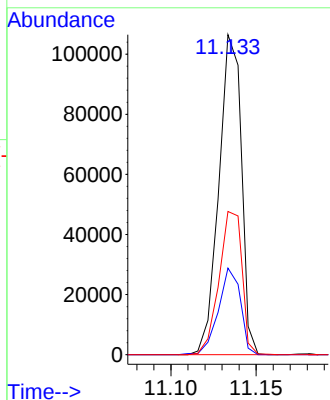
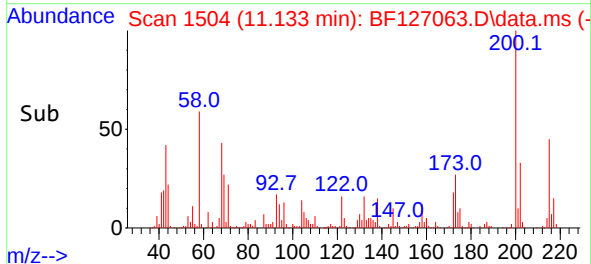
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



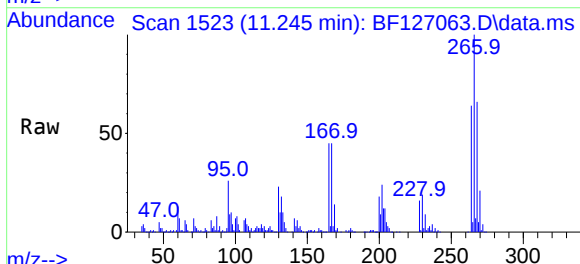
Tgt Ion:200 Resp: 9770
Ion Ratio Lower Upper
200 100
173 27.1 9.2 49.2
215 44.8 23.2 63.2

Manual Integrations
APPROVED

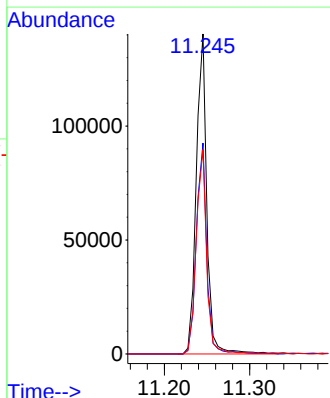
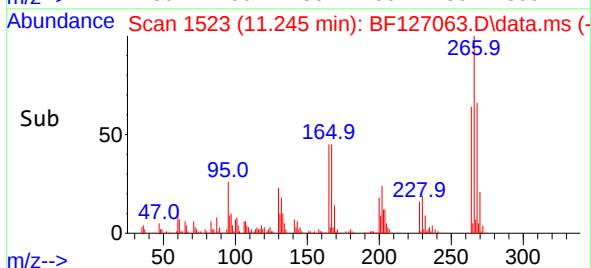
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

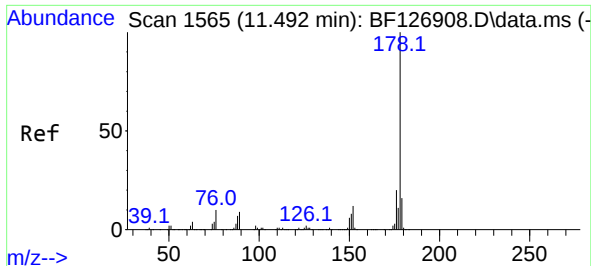


#70
Pentachlorophenol
Concen: 98.493 ng
RT: 11.245 min Scan# 1523
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



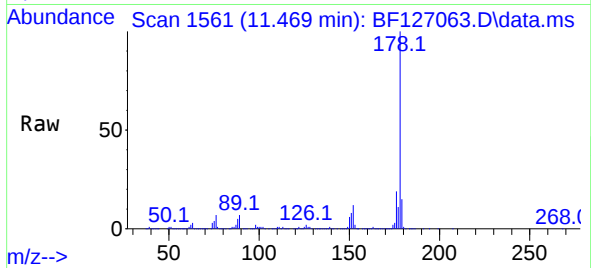
Tgt Ion:266 Resp: 120618
Ion Ratio Lower Upper
266 100
268 65.9 52.3 78.5
264 63.9 50.4 75.6





#71
Phenanthrene
Concen: 51.849 ng
RT: 11.469 min Scan# 11469
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

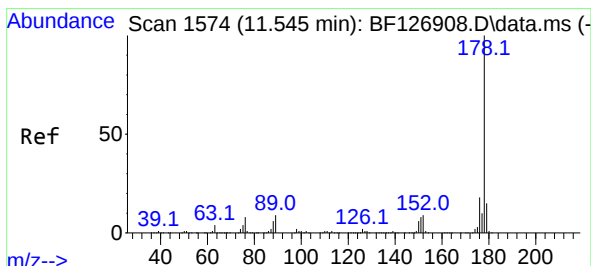
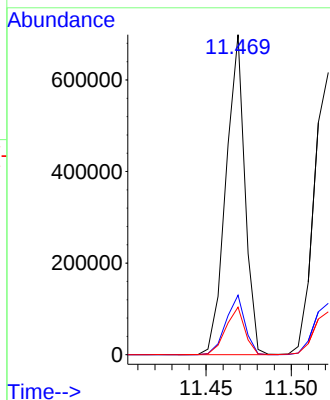
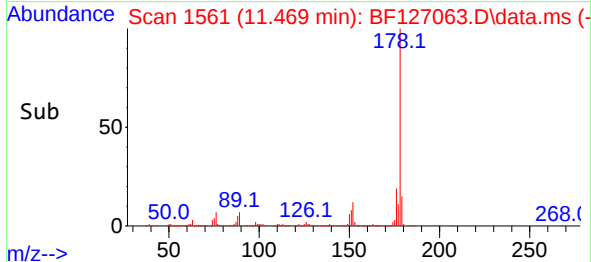
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



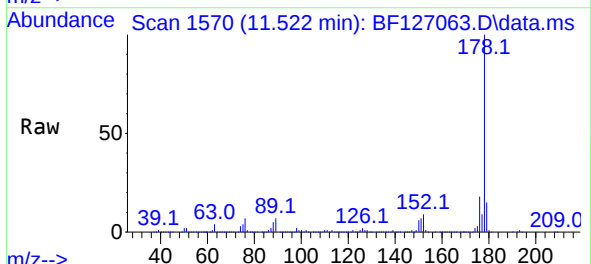
Tgt Ion:178 Resp: 541278
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 14.9 12.3 18.5

Manual Integrations
APPROVED

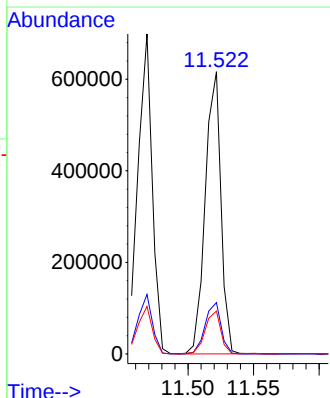
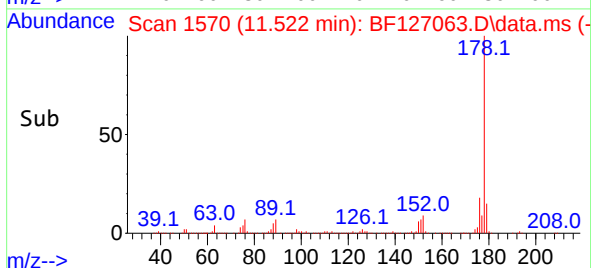
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

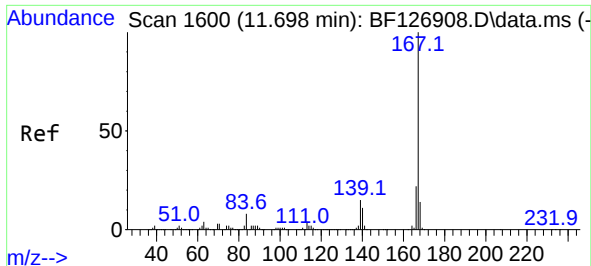


#72
Anthracene
Concen: 49.512 ng
RT: 11.522 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



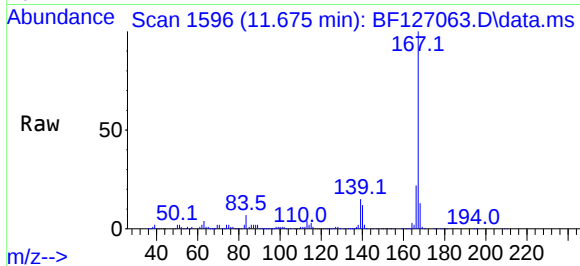
Tgt Ion:178 Resp: 514559
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 15.2 12.5 18.7





#73
 Carbazole
 Concen: 43.353 ng
 RT: 11.675 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127063.D
 Acq: 24 Feb 2022 18:02

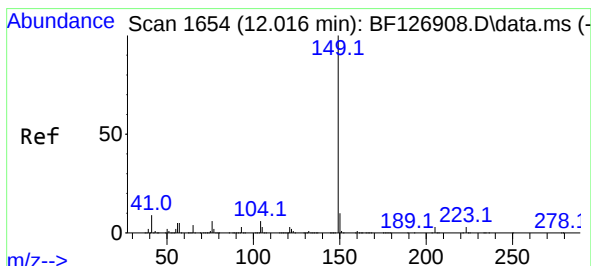
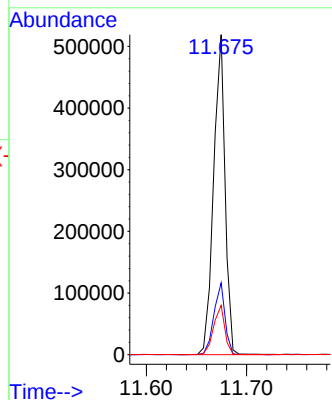
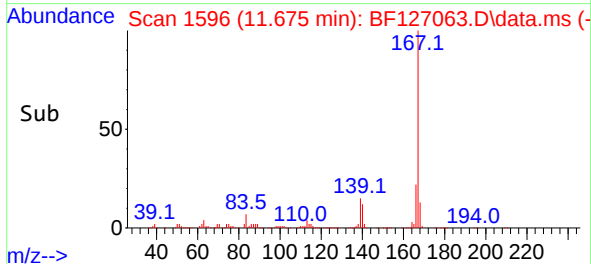
Instrument :
 BNA_F
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)MSD



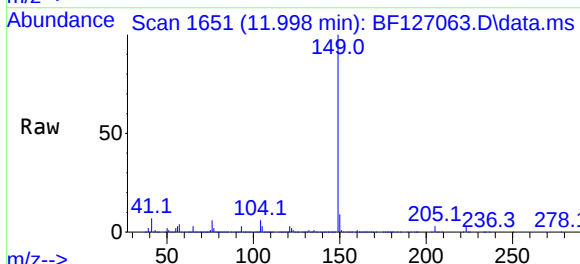
Tgt Ion:167 Resp: 41317
 Ion Ratio Lower Upper
 167 100
 166 22.5 16.9 25.3
 139 15.4 11.3 16.9

Manual Integrations
 APPROVED

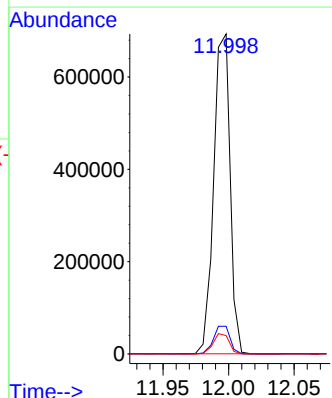
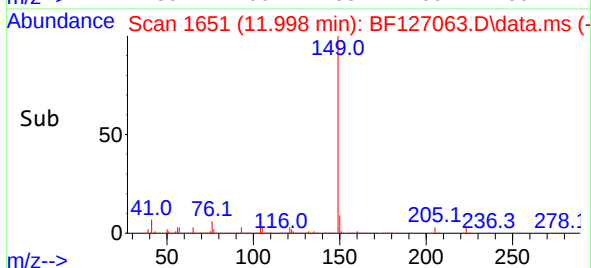
Reviewed By :Christian Giraldo 02/25/2022
 Supervised By :Jagrut Upadhyay 02/25/2022

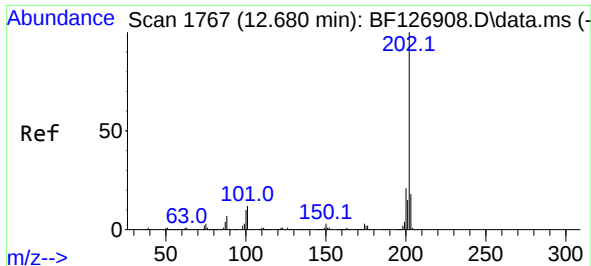


#74
 Di-n-butylphthalate
 Concen: 49.148 ng
 RT: 11.998 min Scan# 1651
 Delta R.T. 0.006 min
 Lab File: BF127063.D
 Acq: 24 Feb 2022 18:02



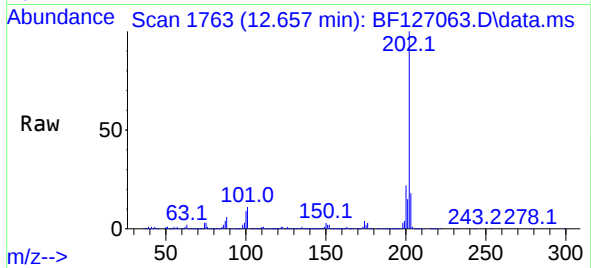
Tgt Ion:149 Resp: 602175
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.2 10.8
 104 5.7 4.2 6.2





#75
Fluoranthene
Concen: 52.762 ng
RT: 12.657 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

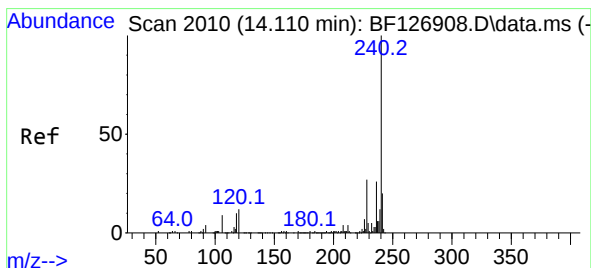
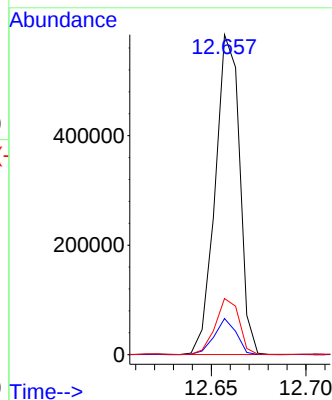
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



Tgt Ion:202 Resp: 522994
Ion Ratio Lower Upper
202 100
101 11.3 0.0 35.7
203 17.6 0.0 37.1

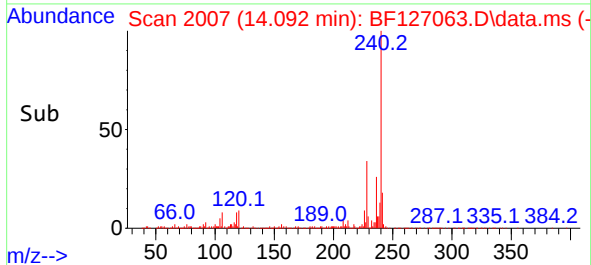
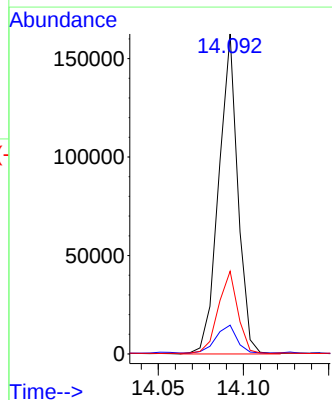
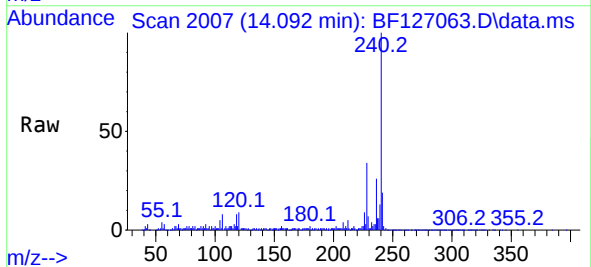
Manual Integrations
APPROVED

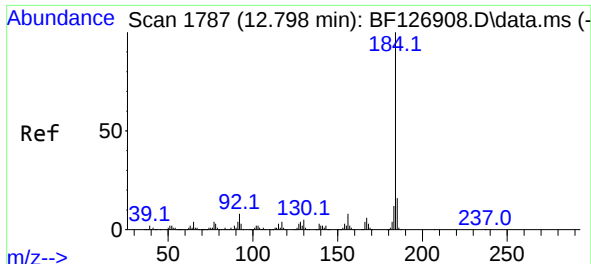
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

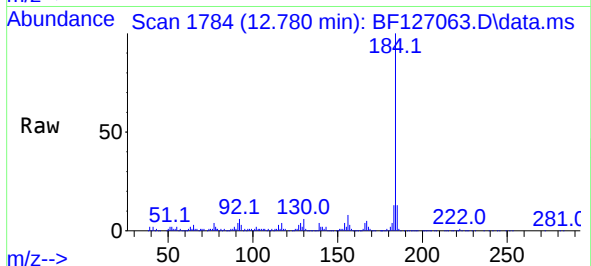
Tgt Ion:240 Resp: 126925
Ion Ratio Lower Upper
240 100
120 9.0 14.4 21.6#
236 25.9 20.5 30.7





#77
Benzidine
Concen: 37.797 ng
RT: 12.780 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

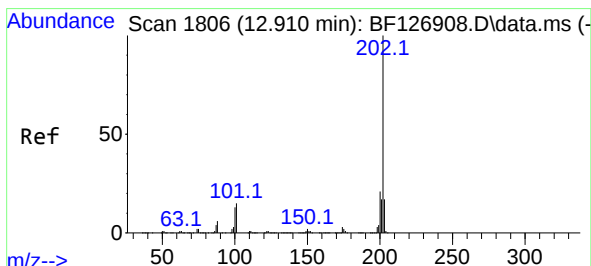
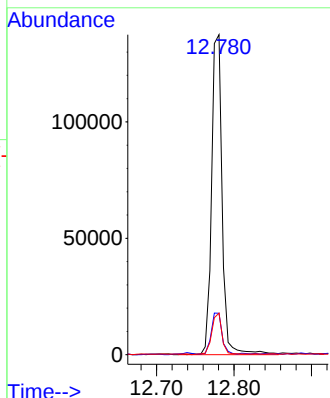
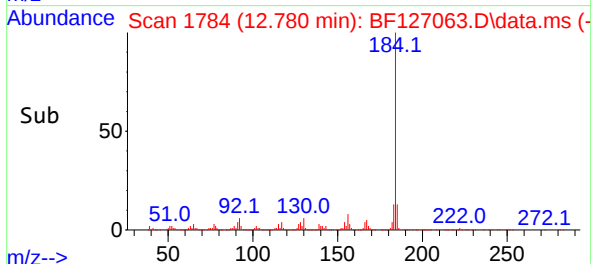
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



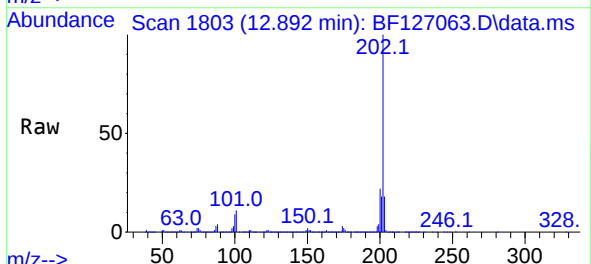
Tgt Ion:184 Resp: 13037
Ion Ratio Lower Upper
184 100
185 13.0 11.8 17.8
183 13.0 8.2 12.2

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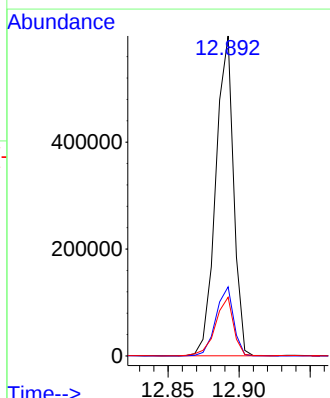
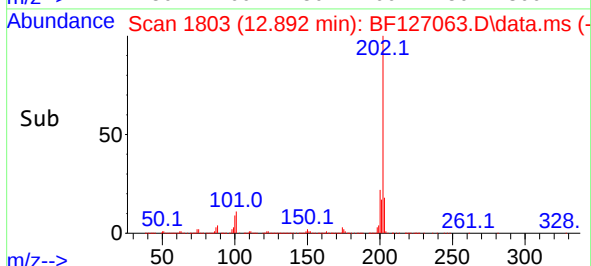
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

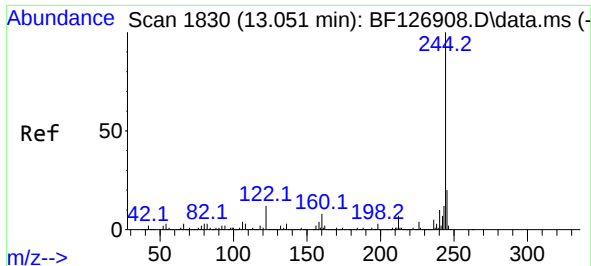


#78
Pyrene
Concen: 47.251 ng
RT: 12.892 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



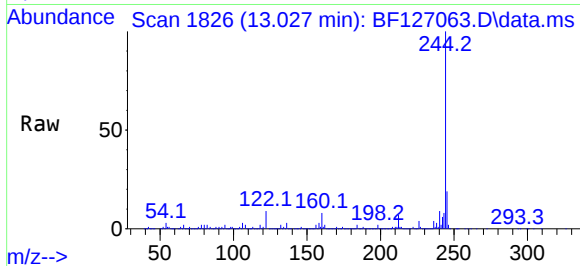
Tgt Ion:202 Resp: 521041
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 18.3 13.8 20.8





#79
 Terphenyl-d14
 Concen: 56.112 ng
 RT: 13.027 min Scan# 1830
 Delta R.T. 0.000 min
 Lab File: BF127063.D
 Acq: 24 Feb 2022 18:02

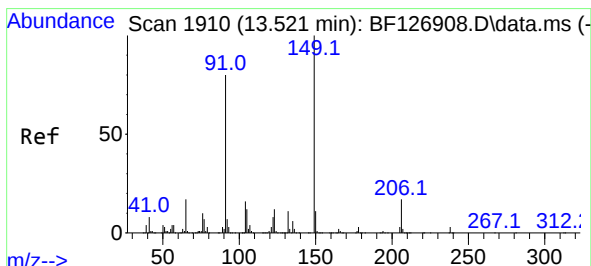
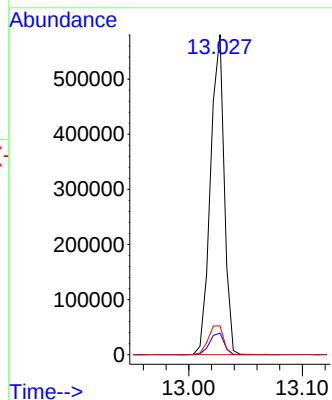
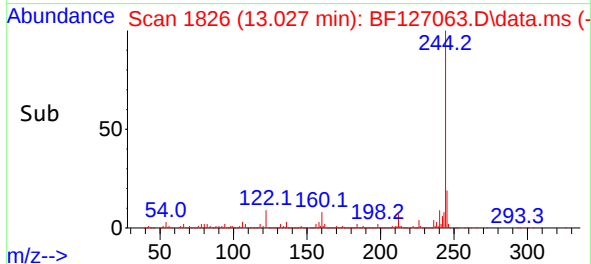
Instrument :
 BNA_F
 ClientSampleId :
 NW-SURFICIAL-SOIL-(NW-SS)MSD



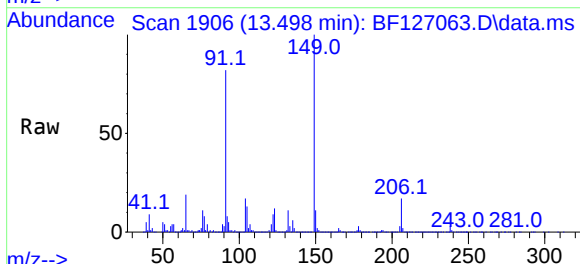
Tgt Ion:244 Resp: 484475
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.4
 122 9.0 13.3 19.9

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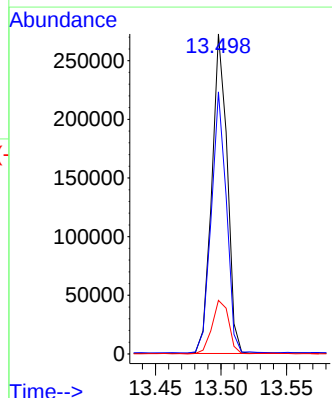
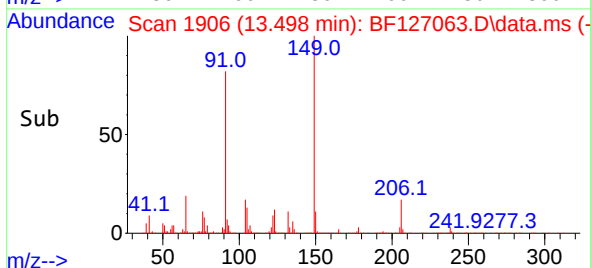
Reviewed By :Christian Giraldo 02/25/2022
 Supervised By :Jagrut Upadhyay 02/25/2022

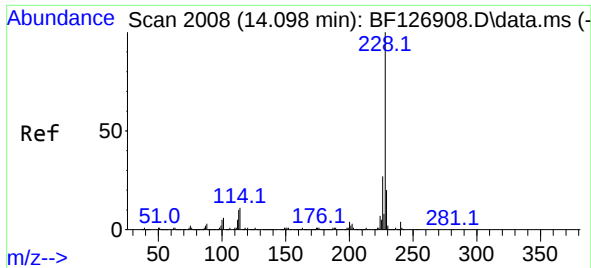


#80
 Butylbenzylphthalate
 Concen: 42.793 ng
 RT: 13.498 min Scan# 1906
 Delta R.T. 0.000 min
 Lab File: BF127063.D
 Acq: 24 Feb 2022 18:02



Tgt Ion:149 Resp: 223397
 Ion Ratio Lower Upper
 149 100
 91 81.9 70.5 105.7
 206 16.8 12.6 19.0





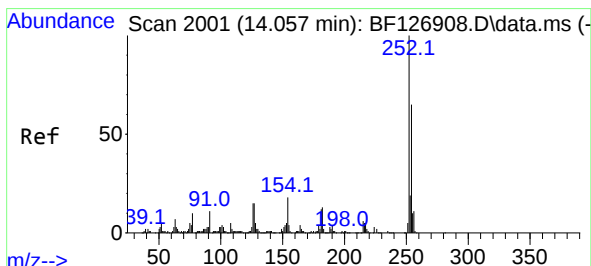
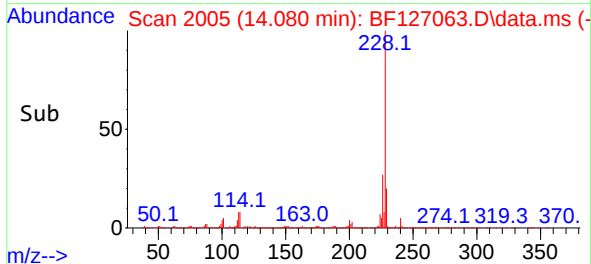
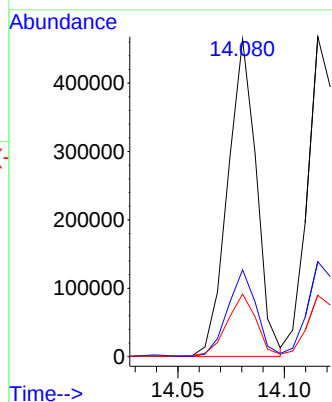
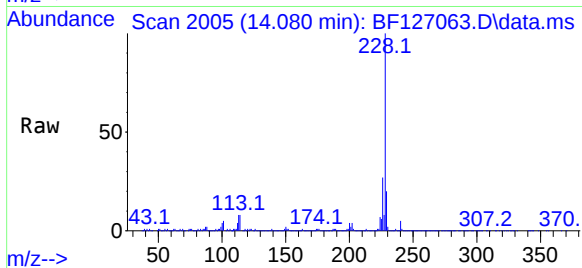
#81
Benzo(a)anthracene
Concen: 50.660 ng
RT: 14.080 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

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

Tgt Ion:228 Resp: 43348
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.0
229 19.7 15.4 23.2

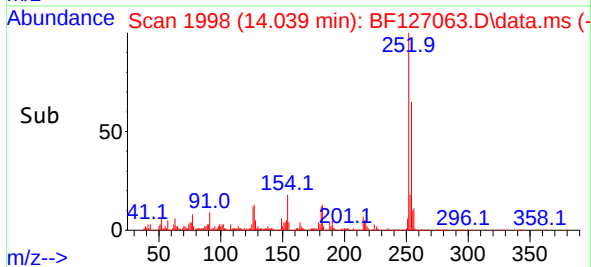
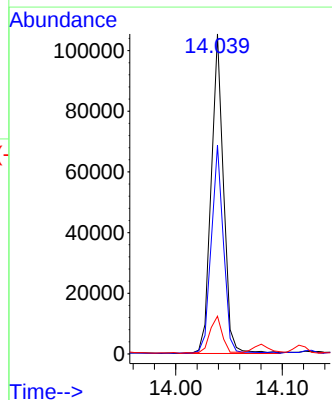
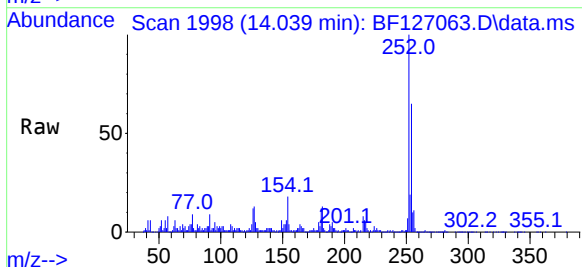
Manual Integrations
APPROVED

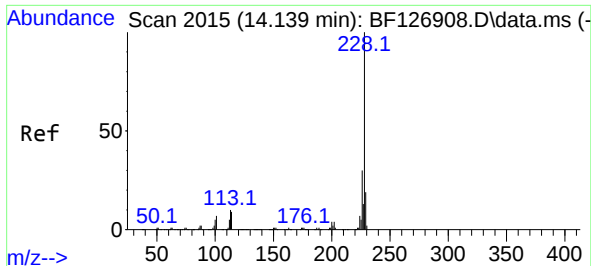
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#82
3,3'-Dichlorobenzidine
Concen: 31.538 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

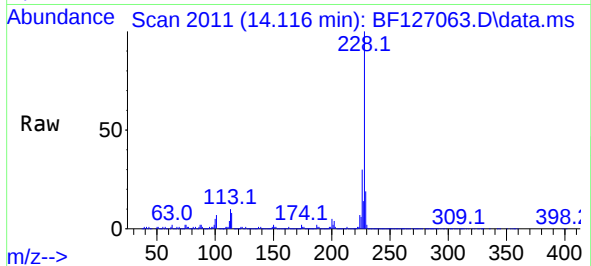
Tgt Ion:252 Resp: 85049
Ion Ratio Lower Upper
252 100
254 65.2 51.0 76.4
126 11.8 13.4 20.0#





#83
Chrysene
Concen: 50.729 ng
RT: 14.116 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

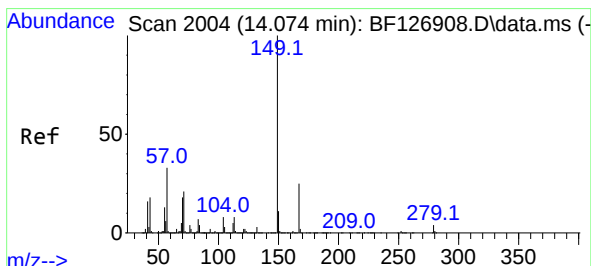
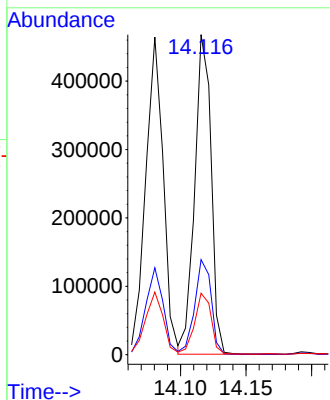
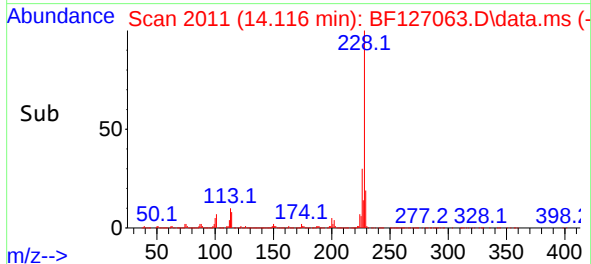
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



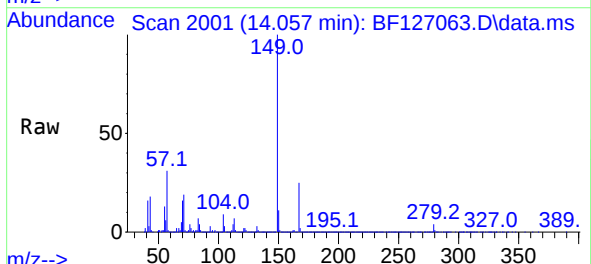
Tgt Ion:228 Resp: 408198
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 19.2 15.5 23.3

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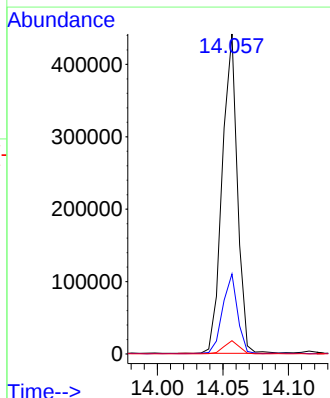
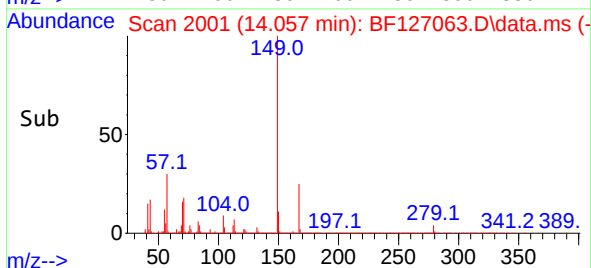
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

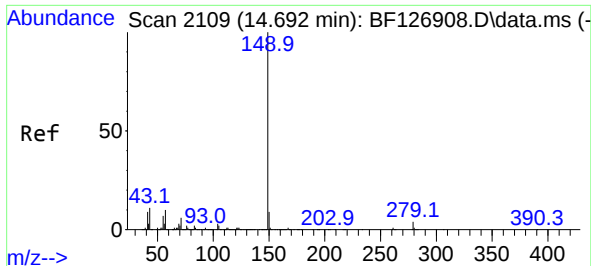


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.661 ng
RT: 14.057 min Scan# 2001
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



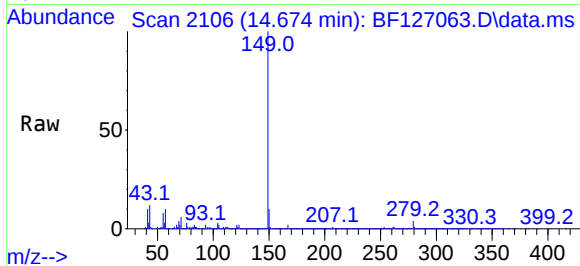
Tgt Ion:149 Resp: 354068
Ion Ratio Lower Upper
149 100
167 25.0 21.4 32.2
279 4.1 2.4 3.6#





#85
Di-n-octyl phthalate
Concen: 50.852 ng
RT: 14.674 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

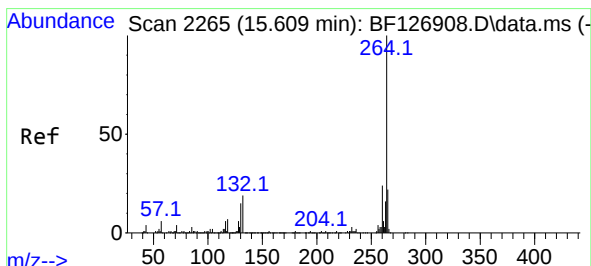
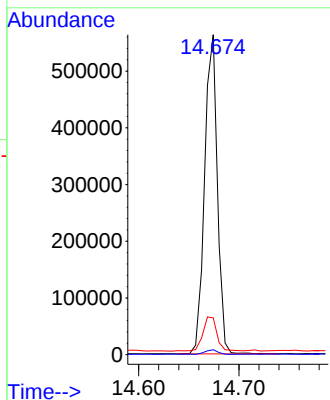
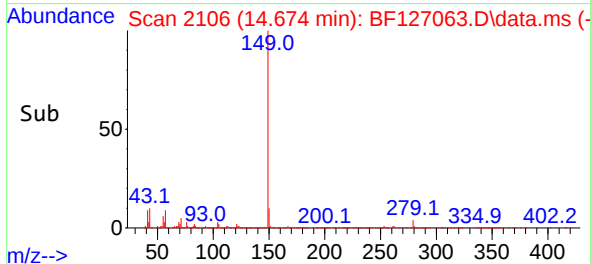
Instrument :
BNA_F
ClientSampleId :
NW-SURFICIAL-SOIL-(NW-SS)MSD



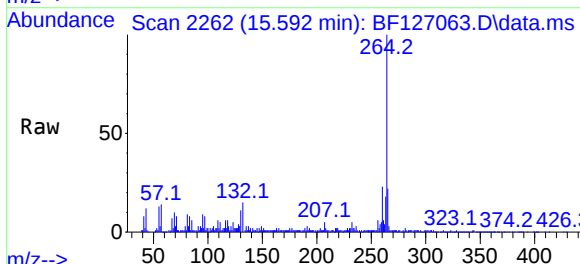
Tgt Ion:149 Resp: 501800
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.8 9.9 14.9

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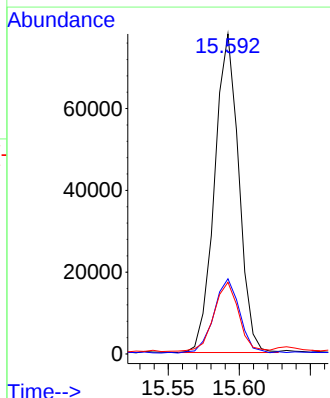
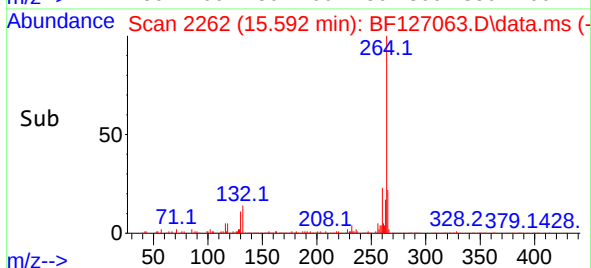
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022

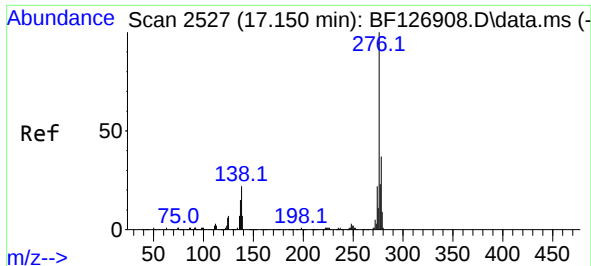


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02



Tgt Ion:264 Resp: 92328
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.4 17.4 26.2





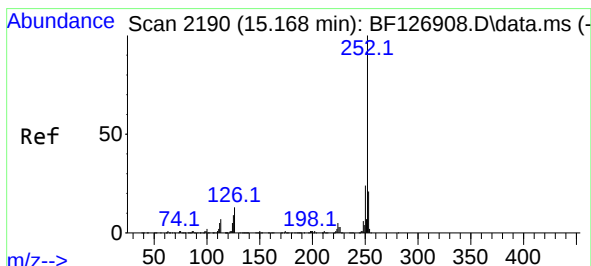
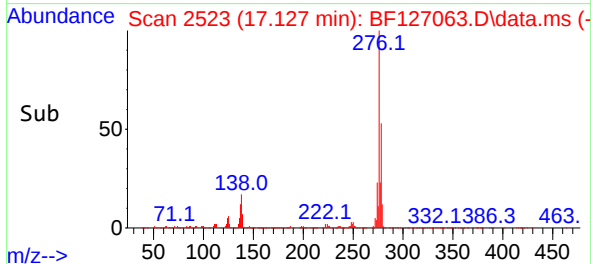
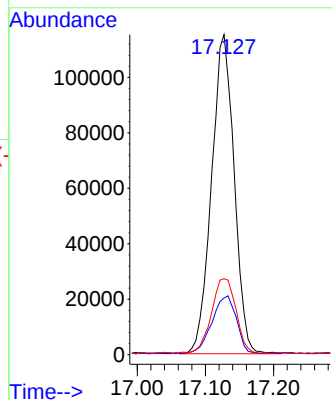
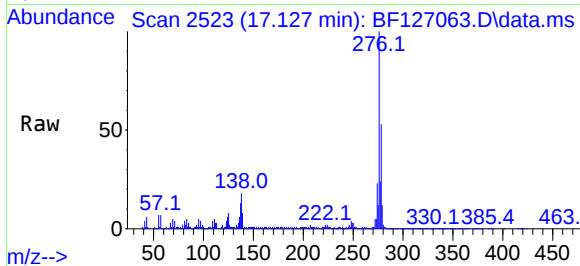
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.918 ng
RT: 17.127 min Scan# 2118
Delta R.T. 0.012 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

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

Tgt Ion:276 Resp: 26588
Ion Ratio Lower Upper
276 100
138 19.3 29.2 43.8
277 25.8 19.8 29.8

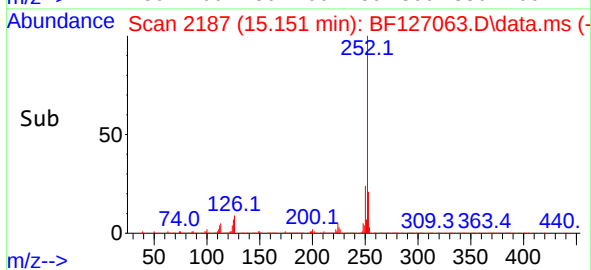
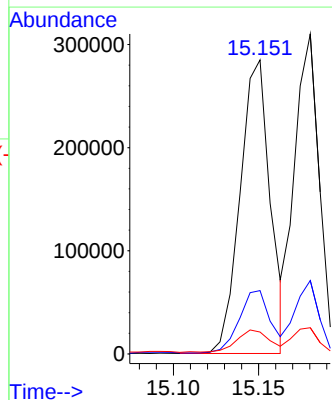
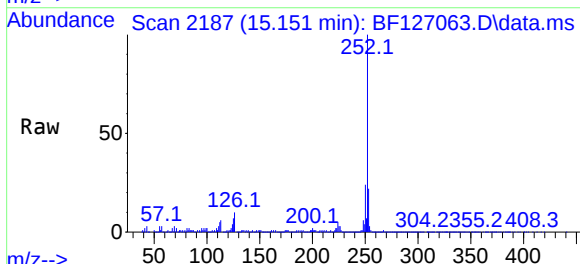
Manual Integrations
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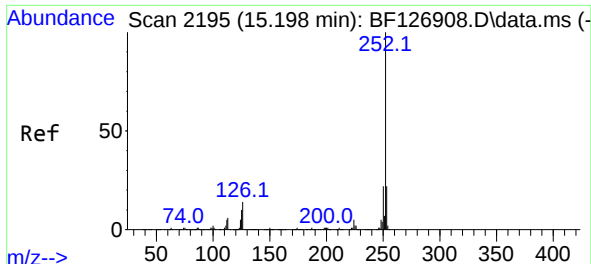
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#88
Benzo(b)fluoranthene
Concen: 56.570 ng
RT: 15.151 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

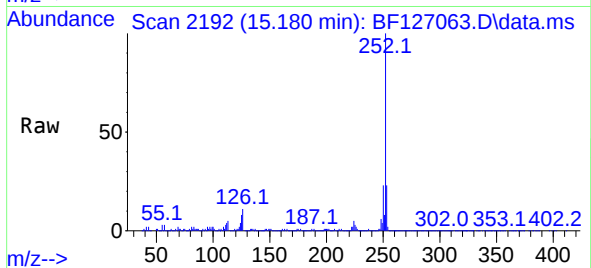
Tgt Ion:252 Resp: 350796
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 7.4 12.4 18.6





#89
Benzo(k)fluoranthene
Concen: 51.844 ng
RT: 15.180 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

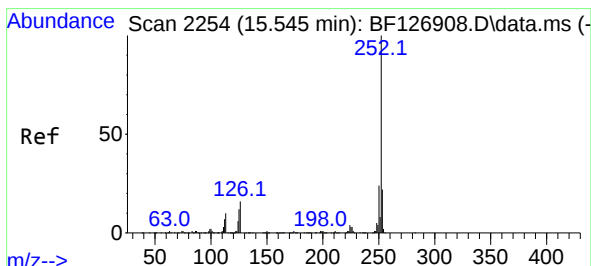
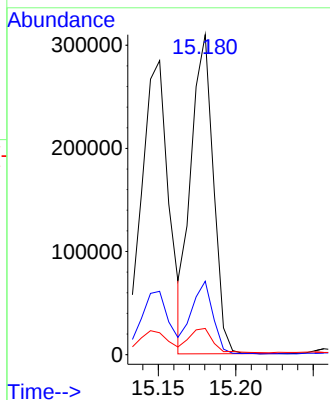
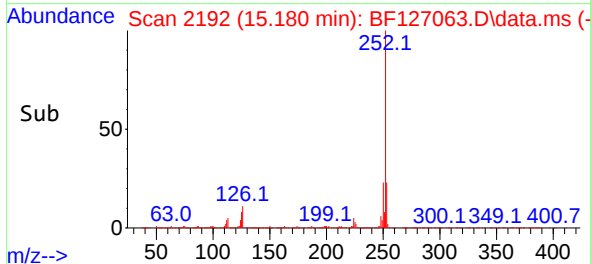
Instrument : BNA_F
ClientSampleId : NW-SURFICIAL-SOIL-(NW-SS)MSD



Tgt Ion:252 Resp: 310084
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 8.2 11.8 17.6

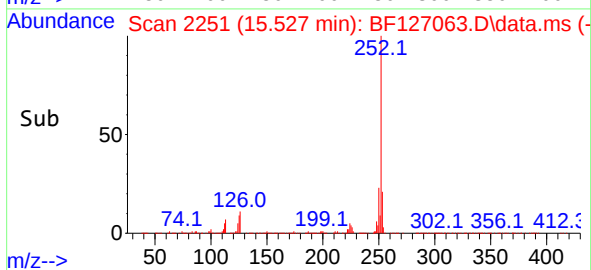
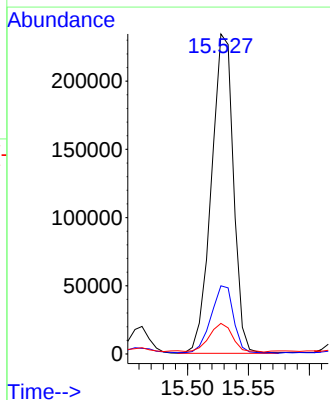
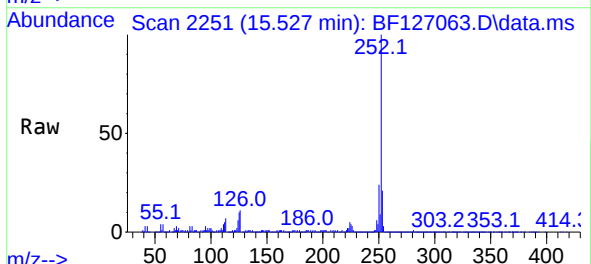
Manual Integrations
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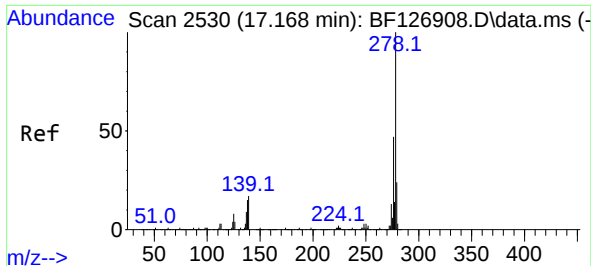
Reviewed By :Christian Giraldo 02/25/2022
Supervised By :Jagrut Upadhyay 02/25/2022



#90
Benzo(a)pyrene
Concen: 60.817 ng
RT: 15.527 min Scan# 2251
Delta R.T. 0.006 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:252 Resp: 294578
Ion Ratio Lower Upper
252 100
253 21.3 17.1 25.7
125 9.6 13.0 19.6





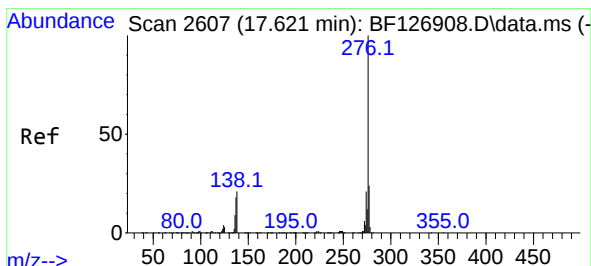
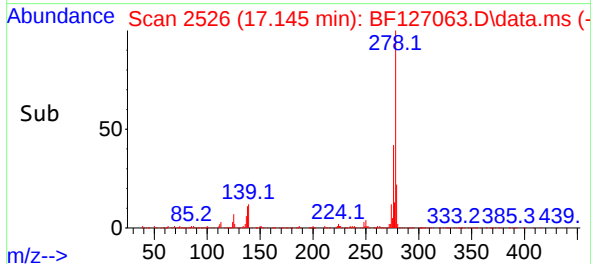
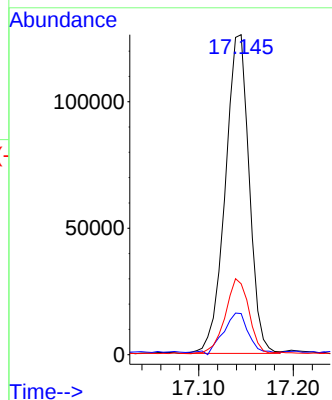
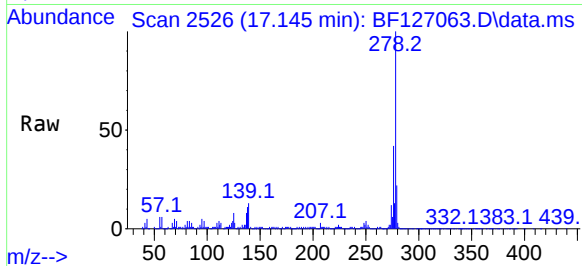
#91
Dibenzo(a,h)anthracene
Concen: 44.279 ng
RT: 17.145 min Scan# 2170
Delta R.T. 0.012 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

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

Tgt Ion:278 Resp: 22170
Ion Ratio Lower Upper
278 100
139 12.8 18.0 27.0
279 22.2 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: 44.682 ng
RT: 17.592 min Scan# 2602
Delta R.T. 0.012 min
Lab File: BF127063.D
Acq: 24 Feb 2022 18:02

Tgt Ion:276 Resp: 220560
Ion Ratio Lower Upper
276 100
277 24.2 18.5 27.7
138 16.1 25.9 38.9

