

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021622\
 Data File : BF126918.D
 Acq On : 16 Feb 2022 18:06
 Operator : CG\JU
 Sample : M4068-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Feb 17 01:08:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 14:55:48 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/17/2022
 Supervised By : Jagrut Upadhyay 02/17/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	111332	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	443809	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	231161	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	416350	20.000	ng	# 0.00
76) Chrysene-d12	14.104	240	265799	20.000	ng	# 0.00
86) Perylene-d12	15.610	264	191776	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	731678	101.576	ng	0.00
7) Phenol-d6	6.551	99	1002326	103.122	ng	0.00
23) Nitrobenzene-d5	7.498	82	703740	71.573	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	286172	107.523	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	1114854	71.000	ng	0.00
79) Terphenyl-d14	13.051	244	1242942	68.743	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.740	88	25495	7.735	ng	93
3) Pyridine	3.540	79	71136	8.228	ng	94
4) n-Nitrosodimethylamine	3.463	42	37151	8.772	ng	# 70
6) Aniline	6.598	93	122364	10.625	ng	98
8) 2-Chlorophenol	6.716	128	75354	9.750	ng	96
9) Benzaldehyde	6.487	77	67406	11.393	ng	98
10) Phenol	6.563	94	93727	9.543	ng	84
11) bis(2-Chloroethyl)ether	6.663	93	74776	9.707	ng	94
12) 1,3-Dichlorobenzene	6.869	146	79276	9.509	ng	99
13) 1,4-Dichlorobenzene	6.945	146	79622	9.420	ng	97
14) 1,2-Dichlorobenzene	7.104	146	74948	9.298	ng	97
15) Benzyl Alcohol	7.063	79	87030	10.628	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.198	45	113673	9.371	ng	98
17) 2-Methylphenol	7.169	107	66604	9.961	ng	96
18) Hexachloroethane	7.439	117	31066	9.589	ng	97
19) n-Nitroso-di-n-propyla...	7.334	70	64012	10.220	ng	99
20) 3+4-Methylphenols	7.322	107	87406	10.066	ng	# 72
22) Acetophenone	7.334	105	103226	8.834	ng	# 94
24) Nitrobenzene	7.510	77	93169	10.031	ng	93
25) Isophorone	7.745	82	174922	10.751	ng	98
26) 2-Nitrophenol	7.828	139	39281	9.933	ng	# 91
27) 2,4-Dimethylphenol	7.851	122	71265	10.969	ng	90
28) bis(2-Chloroethoxy)met...	7.957	93	97952	9.931	ng	99
29) 2,4-Dichlorophenol	8.063	162	60770	9.949	ng	97
30) 1,2,4-Trichlorobenzene	8.151	180	67454	9.878	ng	97
31) Naphthalene	8.234	128	236599	10.213	ng	99
32) Benzoic acid	7.928	122	37705	8.183	ng	89
33) 4-Chloroaniline	8.281	127	94527	10.366	ng	97
34) Hexachlorobutadiene	8.345	225	38371	9.625	ng	96
35) Caprolactam	8.622	113	18503	8.675	ng	# 85
36) 4-Chloro-3-methylphenol	8.751	107	78377	10.040	ng	99
37) 2-Methylnaphthalene	8.928	142	152974	10.176	ng	95
38) 1-Methylnaphthalene	9.028	142	148650	10.326	ng	99
40) 1,2,4,5-Tetrachloroben...	9.086	216	52049	8.554	ng	99
41) Hexachlorocyclopentadiene	9.075	237	36115	10.943	ng	98
43) 2,4,6-Trichlorophenol	9.198	196	41453	9.288	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.233	196	44978	9.577	ng	95
46) 1,1'-Biphenyl	9.386	154	163128	8.907	ng	99
47) 2-Chloronaphthalene	9.416	162	135944	10.010	ng	95
48) 2-Nitroaniline	9.504	65	51059	9.527	ng	93
49) Acenaphthylene	9.833	152	240444	10.899	ng	98
50) Dimethylphthalate	9.680	163	165405	10.011	ng	100
51) 2,6-Dinitrotoluene	9.745	165	34849	10.367	ng	# 75
52) Acenaphthene	10.004	154	145948	10.172	ng	97
53) 3-Nitroaniline	9.916	138	38987	9.488	ng	98
54) 2,4-Dinitrophenol	10.022	184	12557m	7.057	ng	
55) Dibenzofuran	10.175	168	195999	9.935	ng	91
56) 4-Nitrophenol	10.063	139	37223	12.264	ng	89
57) 2,4-Dinitrotoluene	10.151	165	46982	10.336	ng	# 89
58) Fluorene	10.516	166	159766	10.396	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.286	232	34277	9.206	ng	96
60) Diethylphthalate	10.380	149	177742	10.295	ng	99
61) 4-Chlorophenyl-phenyle...	10.510	204	72184	9.962	ng	99
62) 4-Nitroaniline	10.527	138	37979	9.359	ng	# 85
63) Azobenzene	10.669	77	187329	9.744	ng	95
65) 4,6-Dinitro-2-methylph...	10.557	198	18428	7.533	ng	95
66) n-Nitrosodiphenylamine	10.627	169	134669	9.864	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	44903	9.653	ng	# 89
68) Hexachlorobenzene	11.063	284	49876	9.959	ng	# 95
69) Atrazine	11.145	200	35243	8.323	ng	97
70) Pentachlorophenol	11.257	266	29197	10.680	ng	96
71) Phenanthrene	11.486	178	232846	9.992	ng	99
72) Anthracene	11.533	178	238677	10.288	ng	99
73) Carbazole	11.686	167	204750	9.624	ng	100
74) Di-n-butylphthalate	12.016	149	269123	9.840	ng	100
75) Fluoranthene	12.674	202	220963	9.986	ng	95
77) Benzidine	12.792	184	81505m	11.284	ng	
78) Pyrene	12.904	202	226238	9.797	ng	99
80) Butylbenzylphthalate	13.516	149	99347	9.088	ng	92
81) Benzo(a)anthracene	14.092	228	173938	9.707	ng	99
82) 3,3'-Dichlorobenzidine	14.051	252	46206	8.182	ng	97
83) Chrysene	14.127	228	161125	9.562	ng	98
84) Bis(2-ethylhexyl)phtha...	14.074	149	132355	9.222	ng	# 99
85) Di-n-octyl phthalate	14.686	149	190731	9.230	ng	98
87) Indeno(1,2,3-cd)pyrene	17.133	276	115669	9.198	ng	# 89
88) Benzo(b)fluoranthene	15.157	252	137864	10.703	ng	# 95
89) Benzo(k)fluoranthene	15.186	252	126020	10.144	ng	# 95
90) Benzo(a)pyrene	15.539	252	117579	11.687	ng	# 95
91) Dibenzo(a,h)anthracene	17.151	278	99926	9.608	ng	# 93
92) Benzo(g,h,i)perylene	17.598	276	96060	9.369	ng	# 87

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

Manual Integrations

Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jaqrut Upadhyay 02/17/2022

Abundance

TIC: BF126918.D\data.ms

Time-->

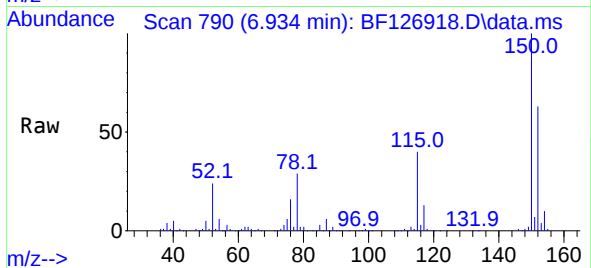
Chemical compounds identified in the chromatogram include:

- 1,4-Dioxane
- Nitrosodimethylamine,
- Pyrimidine
- 2-Fluorophenol, S
- Benzaldehyde, Phenol, C
- Aldichlorobenzene-d4, I
- Dichlorobenzene-d4, I
- 2,2'-oxybis[phenyl], P
- Hexachlorocyclopentadiene
- Nitrobenzene-d5, S
- Benzoic acid, D
- Nitrophthalic anhydride
- Phthalic anhydride, C
- Hexachlorobutadiene, C
- Naphthalene-d8, I
- Caprolactam
- 4-Chloro-3-methylphenol, C
- Hexachlorocyclopentadiene
- 2-Nitroaniline
- 2,6-Dihydroxyphthalate
- Acenaphthene, C
- Acenaphthene-d10, I
- 2,3,4,6-Tetrabromophenol
- 2,4,6-Tribromophenol, S
- Phenanthrene-d10, I
- Carbazole
- Di-n-butylphthalate
- Fluoranthene, C
- Pyrene
- Butylbenzylphthalate
- 2,2'-Dichlorobiphenyl, C
- 2,2'-Dichlorobiphenyl, S
- Di-n-octyl phthalate, c
- Benzo(a)pyrene, C
- Benzo(a)pyrene-d12, I
- Indeno(1,2,3-cd)pyrene
- Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

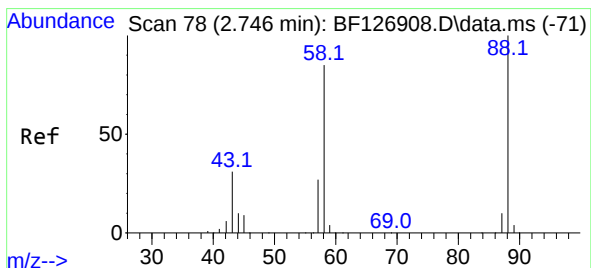
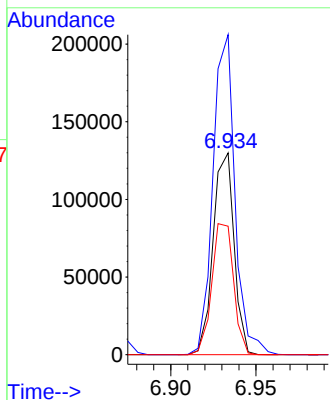
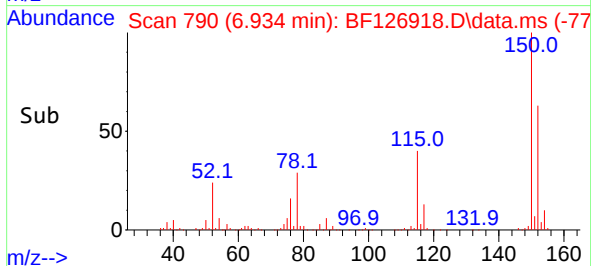
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



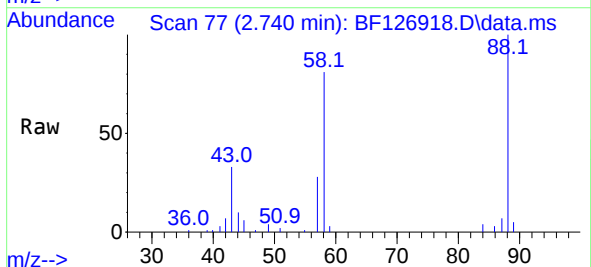
Tgt Ion:152 Resp: 11133
Ion Ratio Lower Upper
152 100
150 158.6 128.1 192.1
115 63.7 56.7 85.1

Manual Integrations
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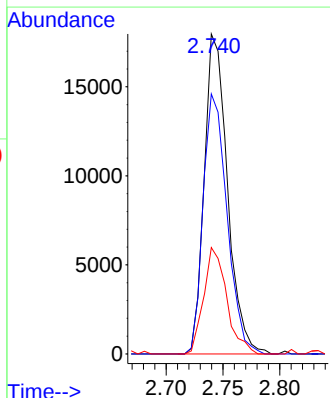
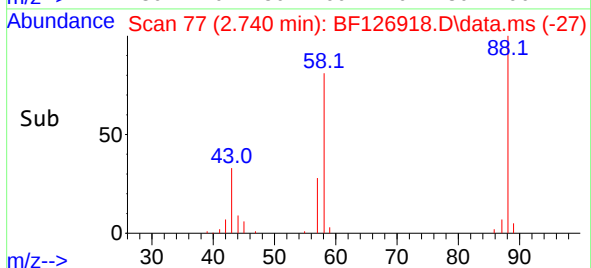
Reviewed By :Christian Giraldo 02/17/2022
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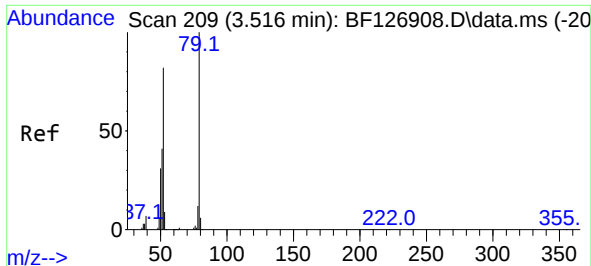


#2
1,4-Dioxane
Concen: 7.735 ng
RT: 2.740 min Scan# 77
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



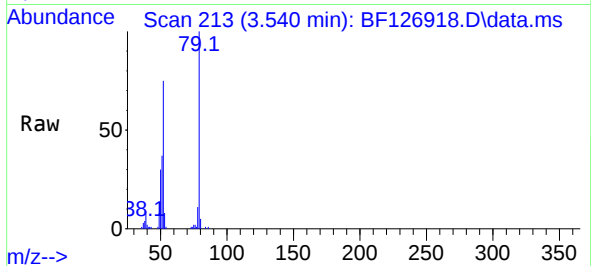
Tgt Ion: 88 Resp: 25495
Ion Ratio Lower Upper
88 100
58 83.6 62.8 94.2
43 33.1 22.3 33.5





#3
Pyridine
Concen: 8.228 ng
RT: 3.540 min Scan# 213
Delta R.T. 0.024 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

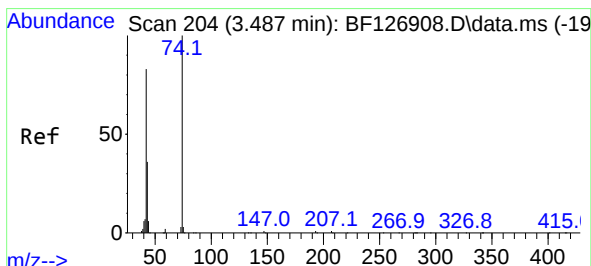
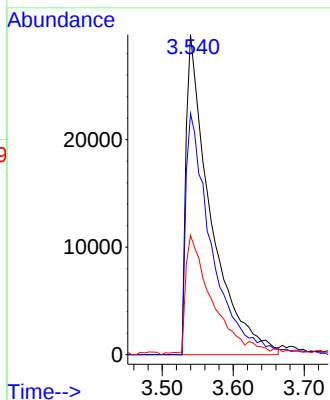
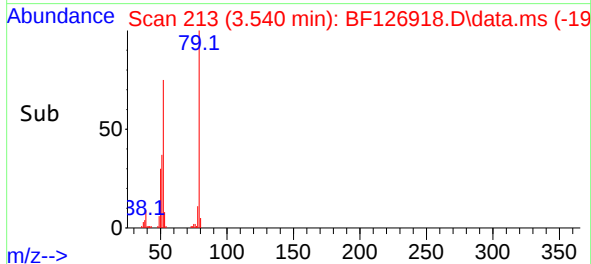
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



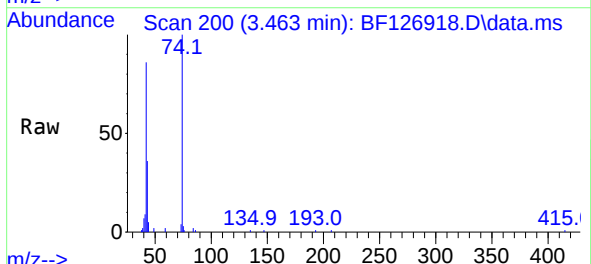
Tgt Ion: 79 Resp: 71130
Ion Ratio Lower Upper
79 100
52 75.4 56.2 84.4
51 37.4 26.7 40.1

Manual Integrations
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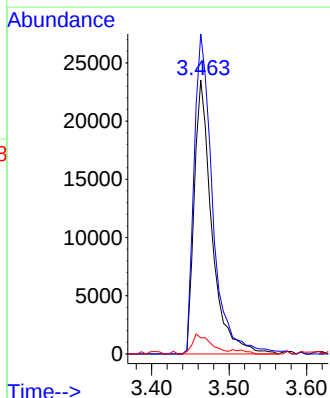
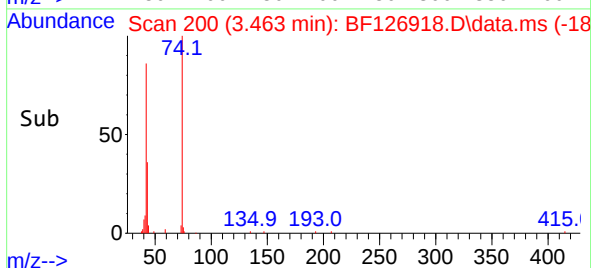
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

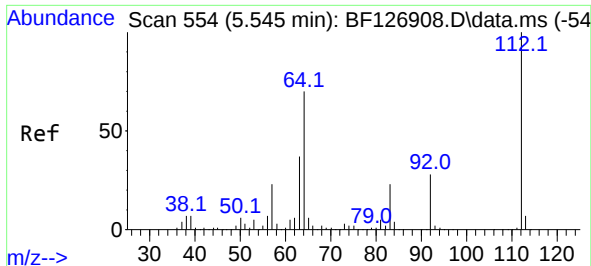


#4
n-Nitrosodimethylamine
Concen: 8.772 ng
RT: 3.463 min Scan# 200
Delta R.T. -0.023 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



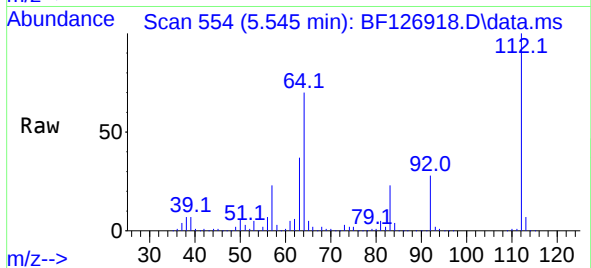
Tgt Ion: 42 Resp: 37151
Ion Ratio Lower Upper
42 100
74 116.8 125.6 188.4
44 5.9 5.7 8.5





#5
2-Fluorophenol
Concen: 101.576 ng
RT: 5.545 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

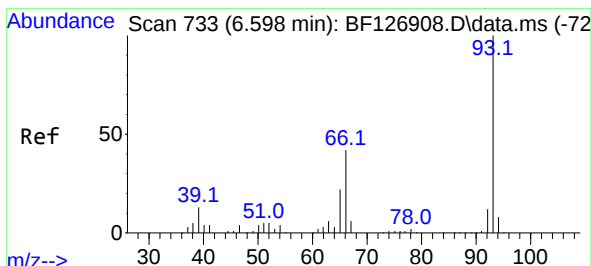
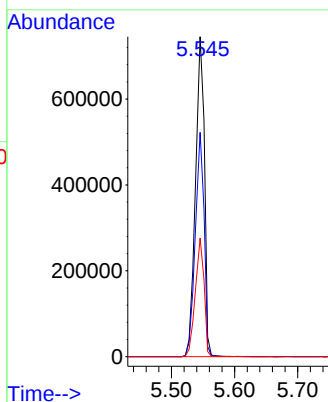
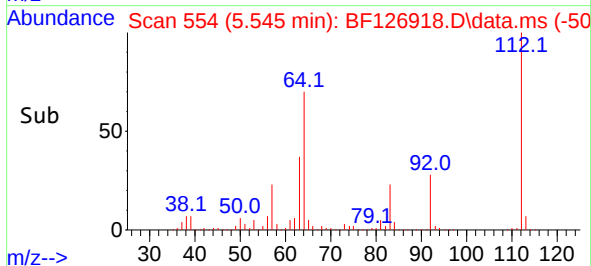
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



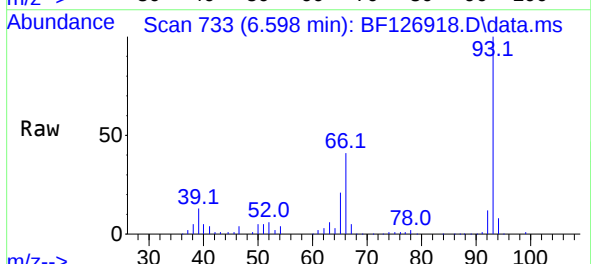
Tgt Ion:112 Resp: 731678
Ion Ratio Lower Upper
112 100
64 70.1 49.5 74.3
63 37.1 23.9 35.9

Manual Integrations
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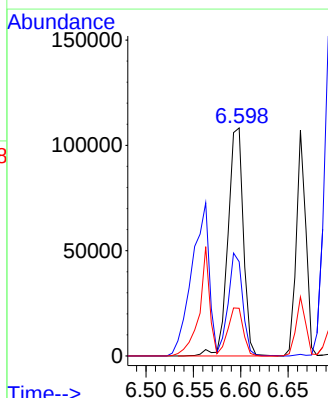
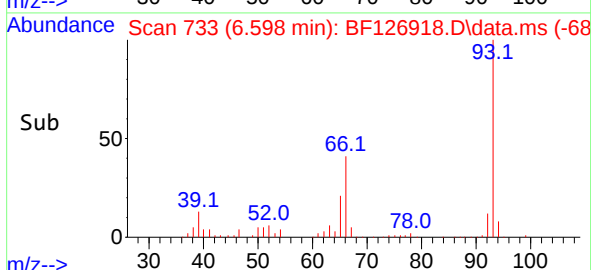
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

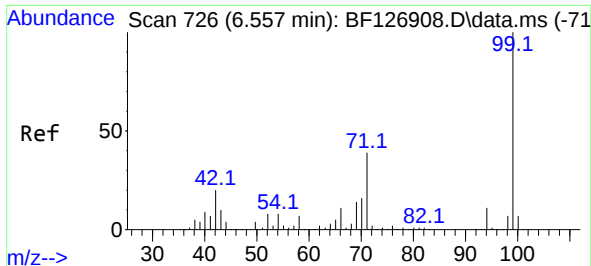


#6
Aniline
Concen: 10.625 ng
RT: 6.598 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



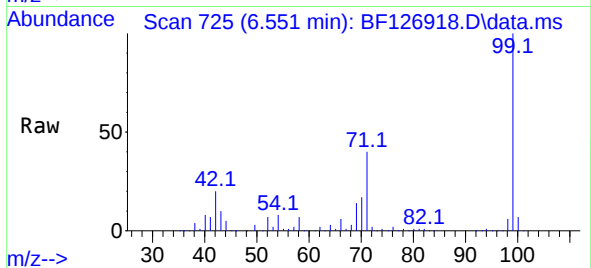
Tgt Ion: 93 Resp: 122364
Ion Ratio Lower Upper
93 100
66 41.4 32.2 48.4
65 20.9 16.3 24.5





#7
Phenol-d6
Concen: 103.122 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

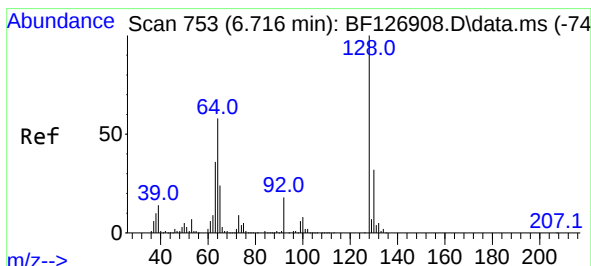
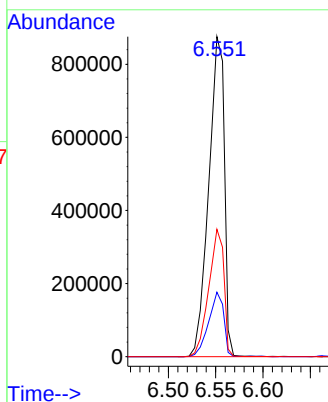
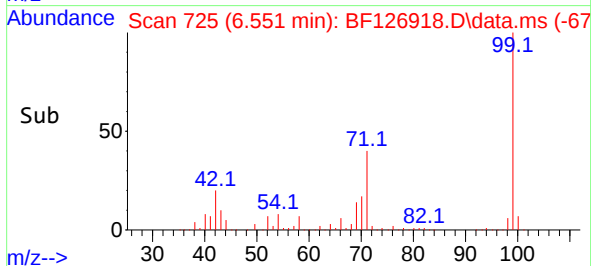
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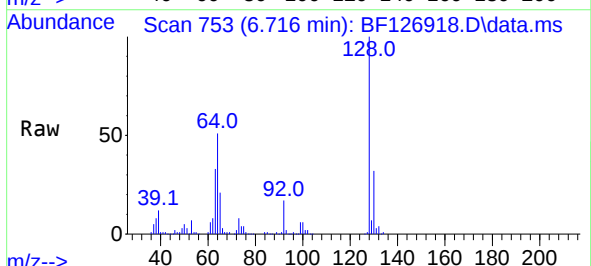
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Ion Ratio Lower Upper
99 100
42 20.2 14.2 21.4
71 39.8 24.3 36.5

Manual Integrations
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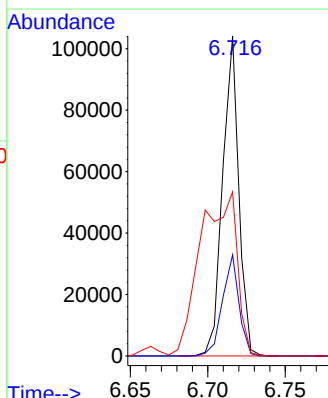
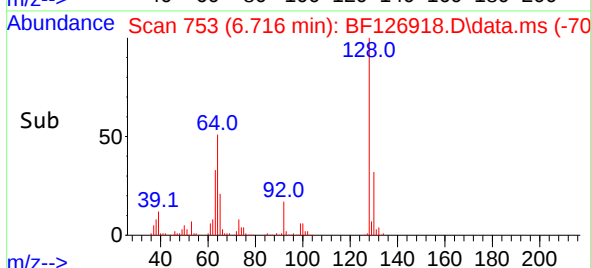
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#8
2-Chlorophenol
Concen: 9.750 ng
RT: 6.716 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



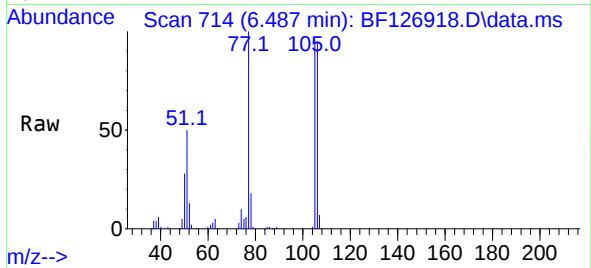
Tgt Ion:128 Resp: 75354
Ion Ratio Lower Upper
128 100
130 31.6 12.7 52.7
64 51.3 35.6 75.6





#9
Benzaldehyde
Concen: 11.393 ng
RT: 6.487 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

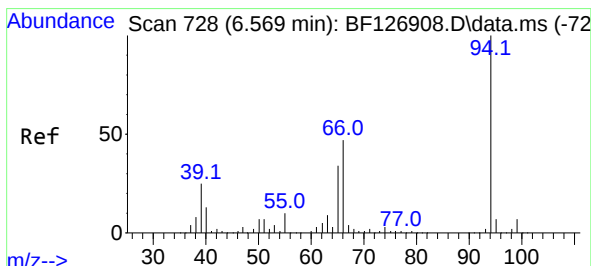
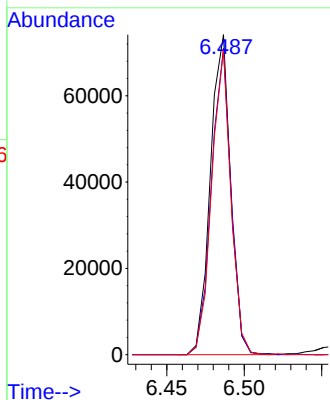
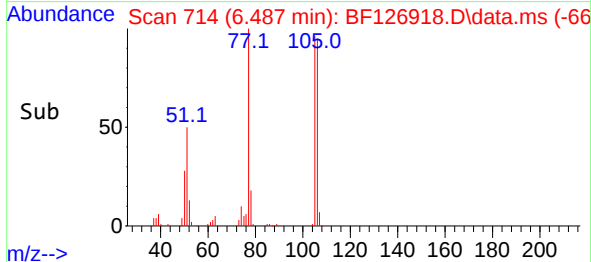
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ClientSampleId :
LOQ-SOIL-02-QT4-2021



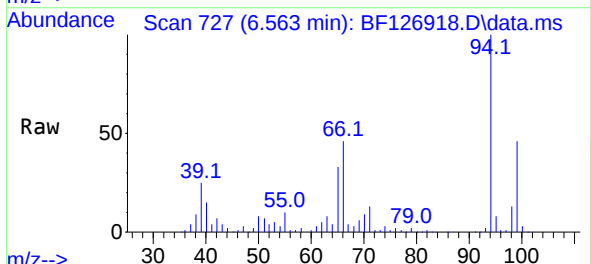
Tgt Ion: 77 Resp: 67400
Ion Ratio Lower Upper
77 100
105 95.7 74.9 114.9
106 95.2 72.4 112.4

Manual Integrations
APPROVED

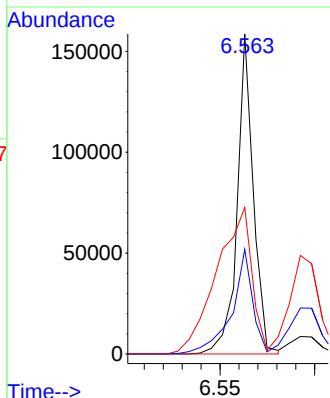
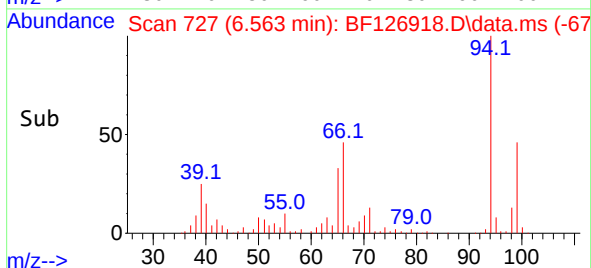
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#10
Phenol
Concen: 9.543 ng
RT: 6.563 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



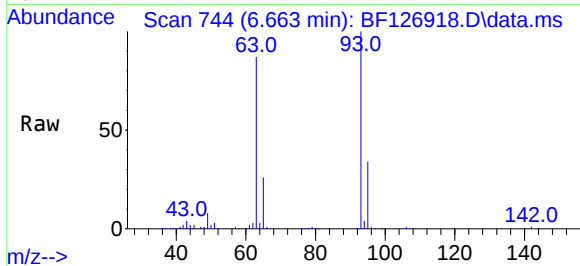
Tgt Ion: 94 Resp: 93727
Ion Ratio Lower Upper
94 100
65 32.7 7.2 47.2
66 45.8 14.5 54.5





#11
bis(2-Chloroethyl)ether
Concen: 9.707 ng
RT: 6.663 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

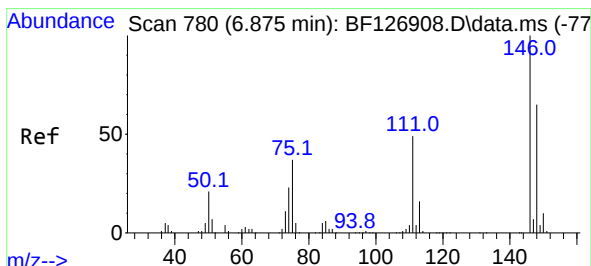
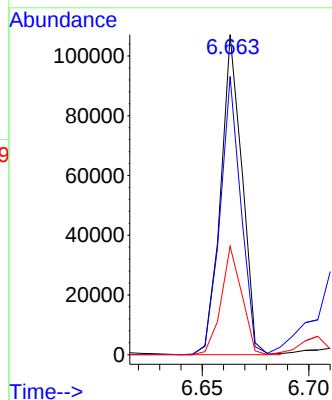
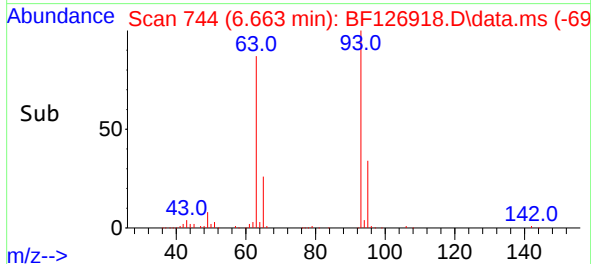
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



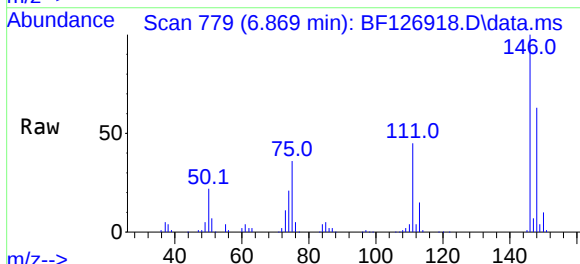
Tgt Ion: 93 Resp: 74776
Ion Ratio Lower Upper
93 100
63 87.0 60.5 100.5
95 33.9 12.9 52.9

Manual Integrations
APPROVED

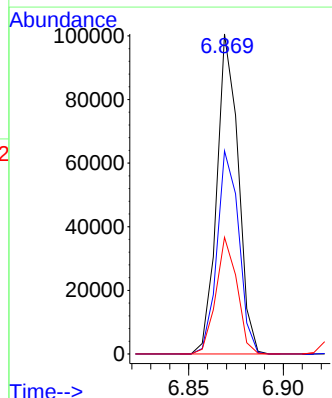
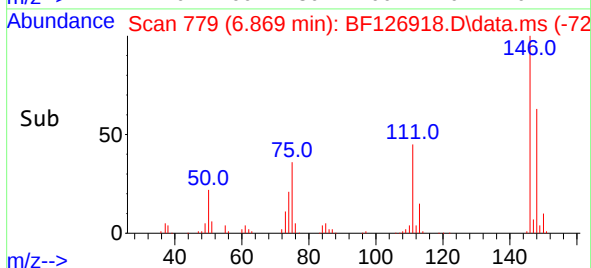
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



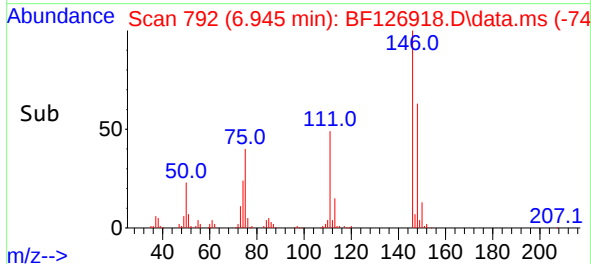
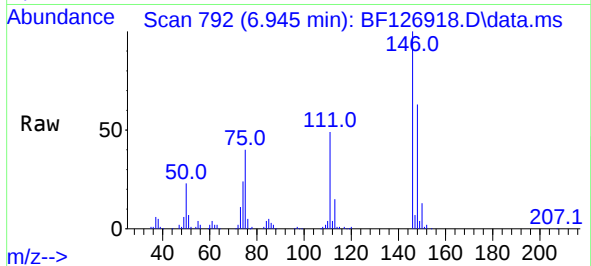
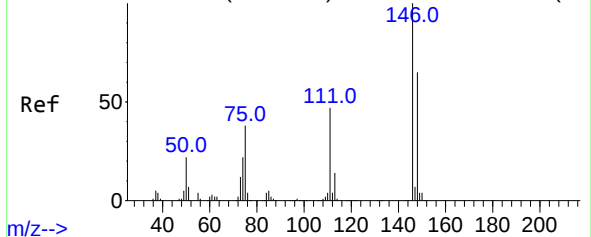
#12
1,3-Dichlorobenzene
Concen: 9.509 ng
RT: 6.869 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



Tgt Ion:146 Resp: 79276
Ion Ratio Lower Upper
146 100
148 63.4 50.9 76.3
75 36.5 28.4 42.6



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



#13

1,4-Dichlorobenzene

Concen: 9.420 ng

RT: 6.945 min Scan# 793

Delta R.T. -0.006 min

Lab File: BF126918.D

Acq: 16 Feb 2022 18:06

Instrument :

BNA_F

ClientSampleId :

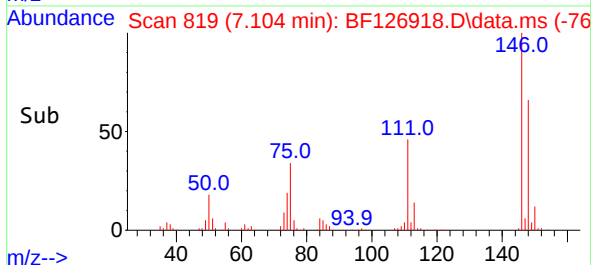
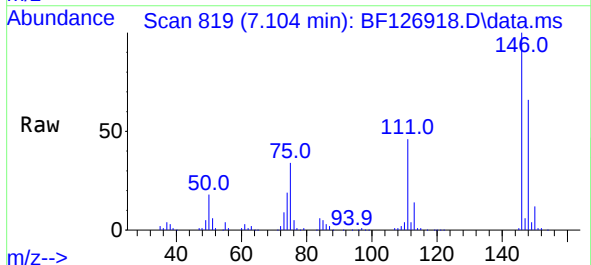
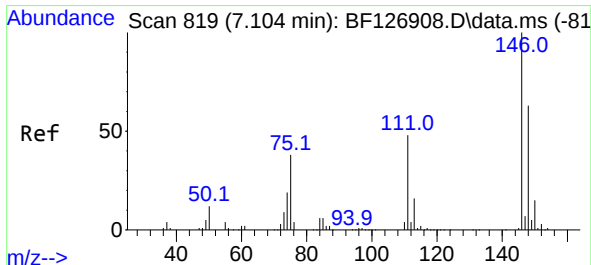
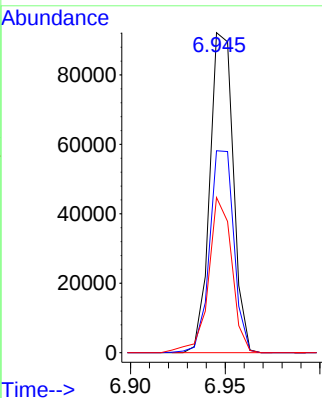
LOQ-SOIL-02-QT4-2021

Tgt Ion:	146	Resp:	7962
Ion Ratio	Lower	Upper	
146	100		
148	63.1	49.8	74.6
111	48.5	36.1	54.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#14

1,2-Dichlorobenzene

Concen: 9.298 ng

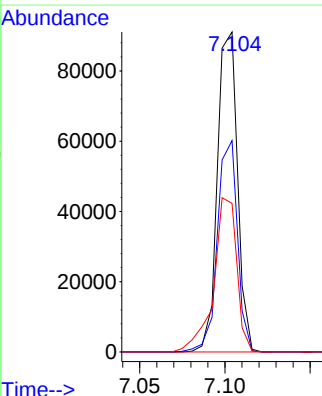
RT: 7.104 min Scan# 819

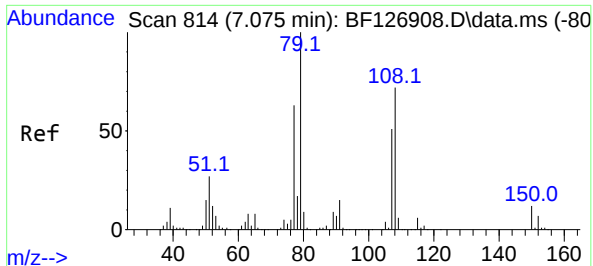
Delta R.T. 0.000 min

Lab File: BF126918.D

Acq: 16 Feb 2022 18:06

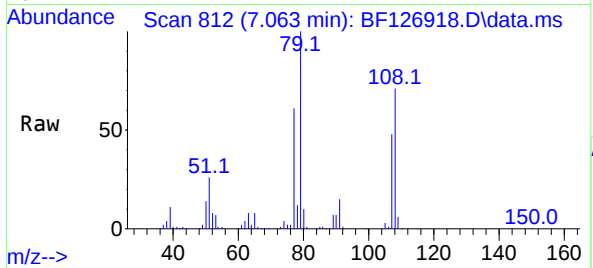
Tgt Ion:	146	Resp:	74948
Ion Ratio	Lower	Upper	
146	100		
148	66.0	51.6	77.4
111	46.5	40.2	60.2





#15
Benzyl Alcohol
Concen: 10.628 ng
RT: 7.063 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

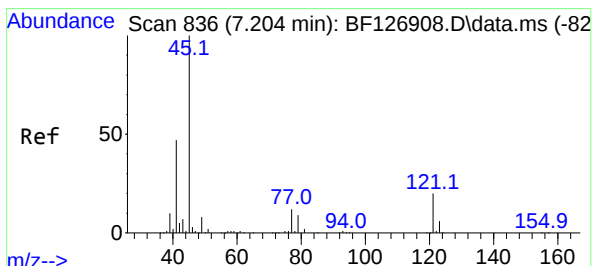
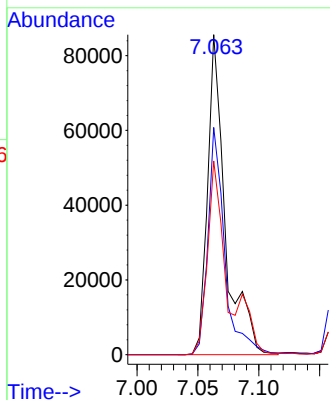
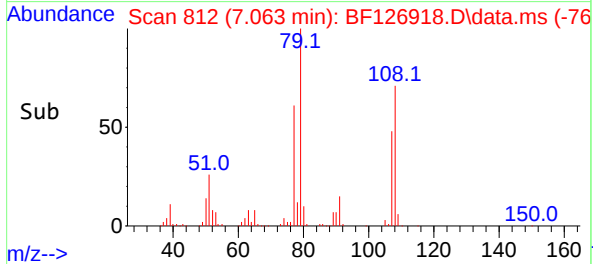
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



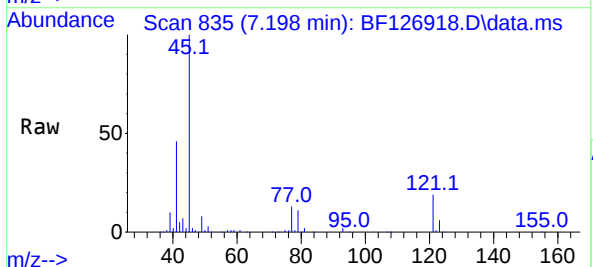
Tgt Ion: 79 Resp: 87030
Ion Ratio Lower Upper
79 100
108 71.0 63.2 94.8
77 60.6 49.4 74.2

Manual Integrations
APPROVED

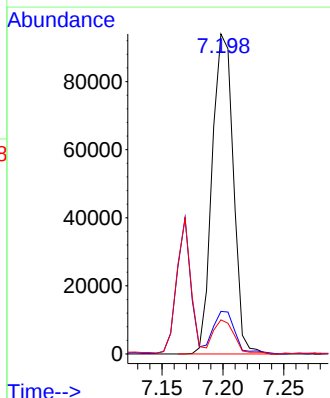
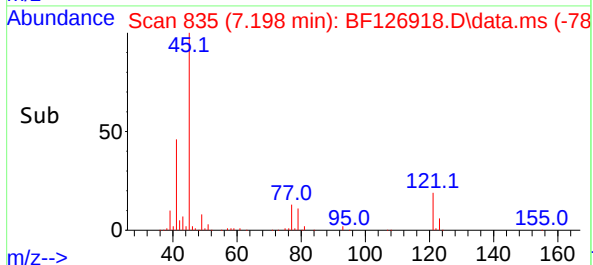
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

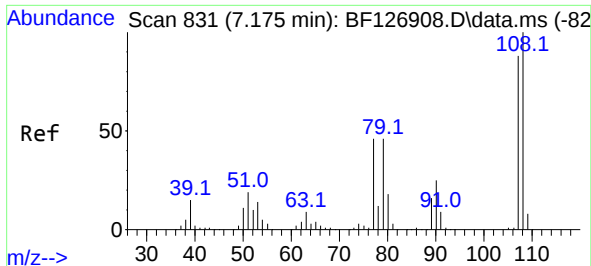


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.371 ng
RT: 7.198 min Scan# 835
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



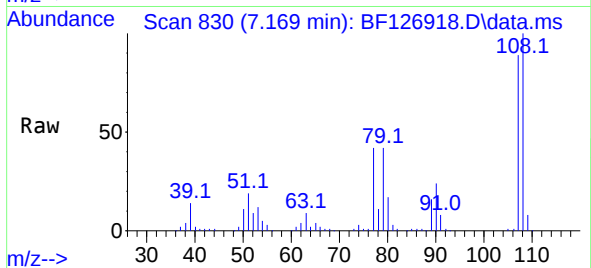
Tgt Ion: 45 Resp: 113673
Ion Ratio Lower Upper
45 100
77 13.3 0.0 32.4
79 10.6 0.0 29.8





#17
2-Methylphenol
Concen: 9.961 ng
RT: 7.169 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

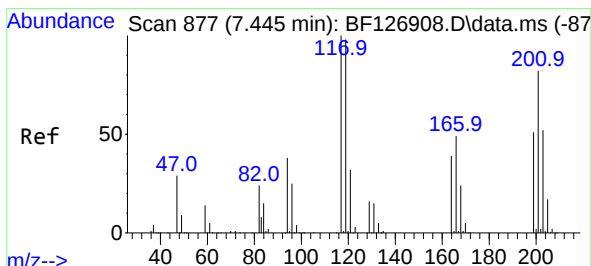
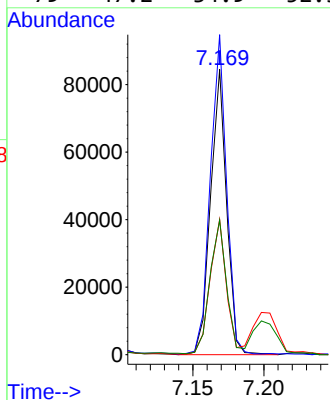
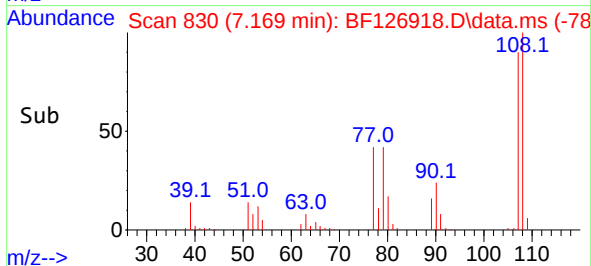
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



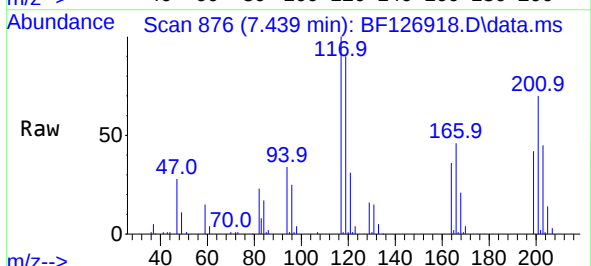
Tgt Ion:107 Resp: 66604
Ion Ratio Lower Upper
107 100
108 112.2 93.4 140.0
77 47.4 36.1 54.1
79 47.2 34.9 52.3

Manual Integrations
APPROVED

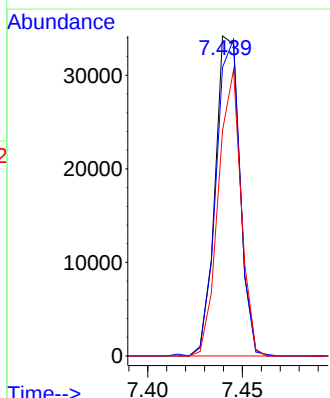
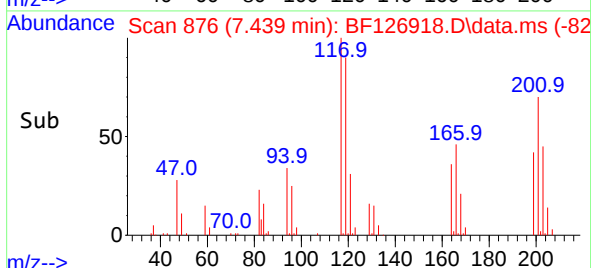
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

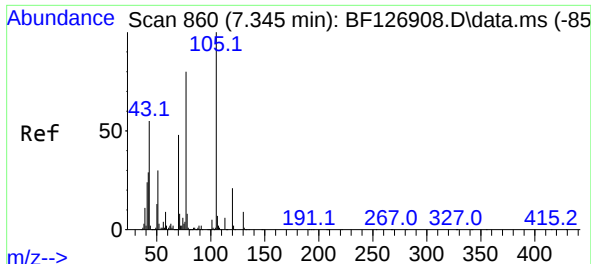


#18
Hexachloroethane
Concen: 9.589 ng
RT: 7.439 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



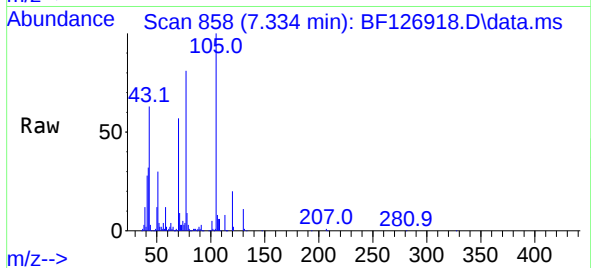
Tgt Ion:117 Resp: 31066
Ion Ratio Lower Upper
117 100
119 90.2 75.4 113.0
201 70.5 56.8 85.2





#19
n-Nitroso-di-n-propylamine
Concen: 10.220 ng
RT: 7.334 min Scan# 858
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

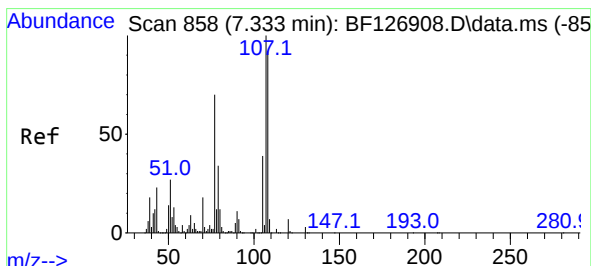
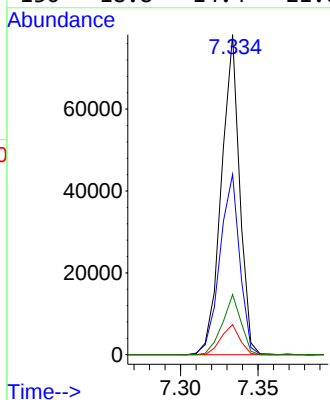
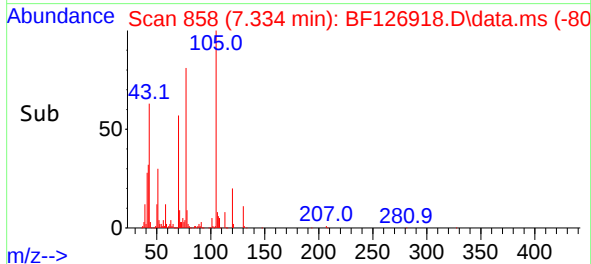
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



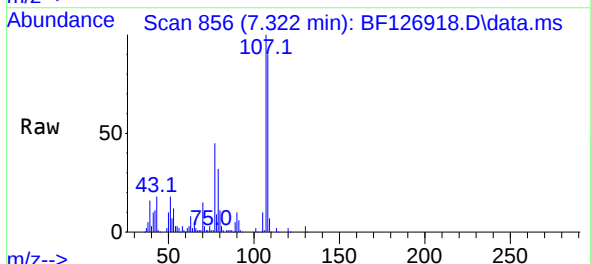
Tgt Ion: 70 Resp: 6401
Ion Ratio Lower Upper
70 100
42 56.3 45.8 68.8
101 9.4 6.9 10.3
130 18.8 14.4 21.6

Manual Integrations
APPROVED

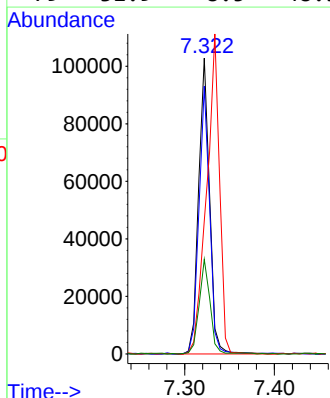
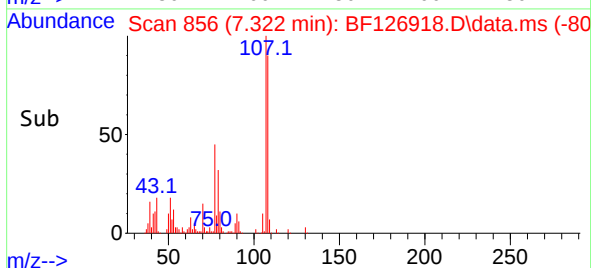
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

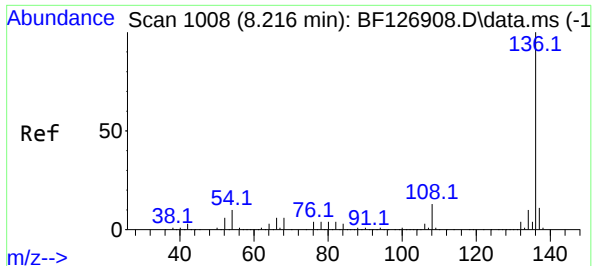


#20
3+4-Methylphenols
Concen: 10.066 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



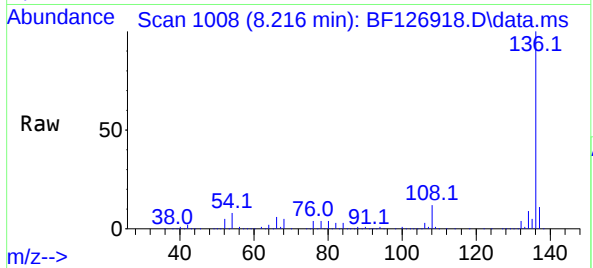
Tgt Ion:107 Resp: 87406
Ion Ratio Lower Upper
107 100
108 90.5 72.4 112.4
77 45.0 83.8 123.8#
79 31.9 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

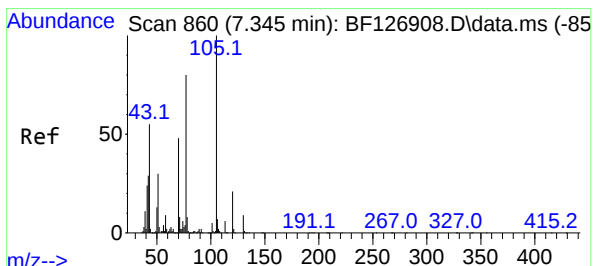
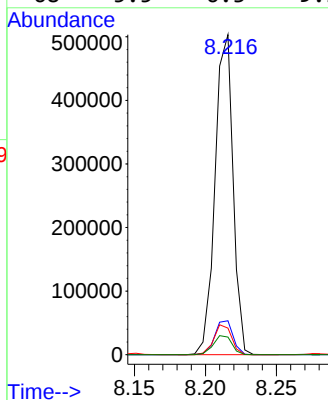
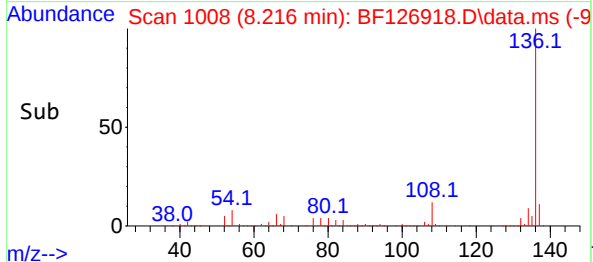
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:136 Resp: 443809
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.3 7.8 11.6
68 5.5 6.3 9.5#

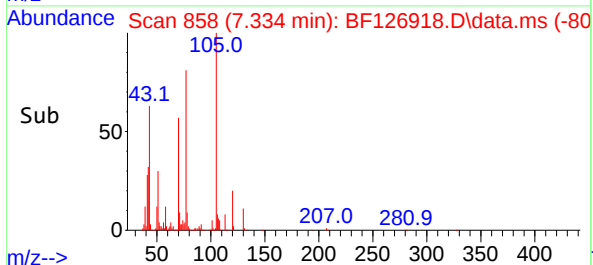
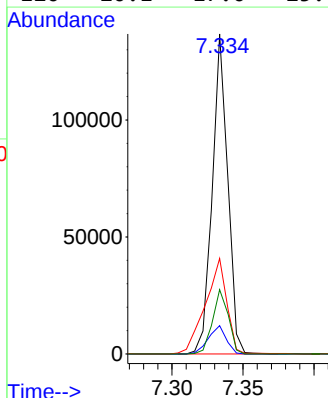
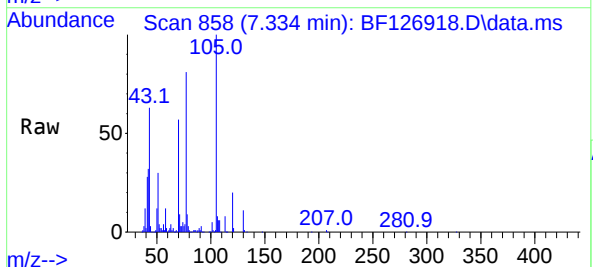
Manual Integrations
APPROVED

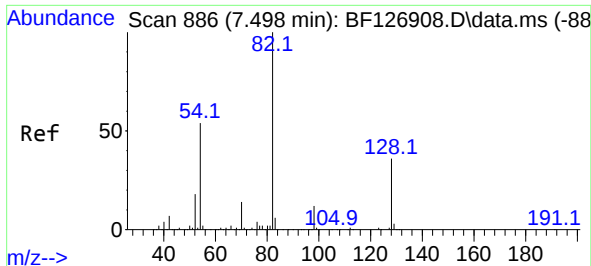
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#22
Acetophenone
Concen: 8.834 ng
RT: 7.334 min Scan# 858
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

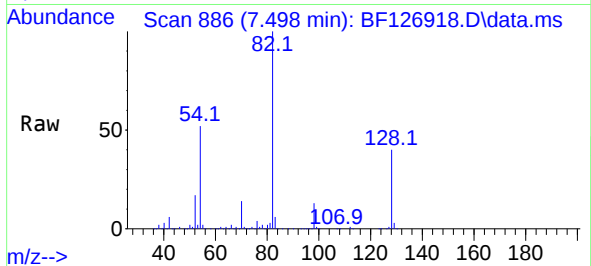
Tgt Ion:105 Resp: 103226
Ion Ratio Lower Upper
105 100
71 8.8 5.4 8.0#
51 29.9 27.4 41.0
120 20.1 17.0 25.6





#23
Nitrobenzene-d5
Concen: 71.573 ng
RT: 7.498 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

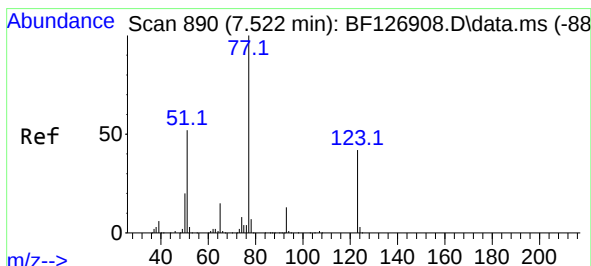
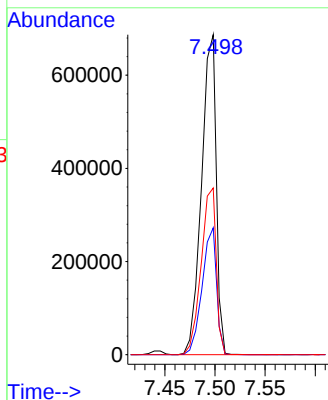
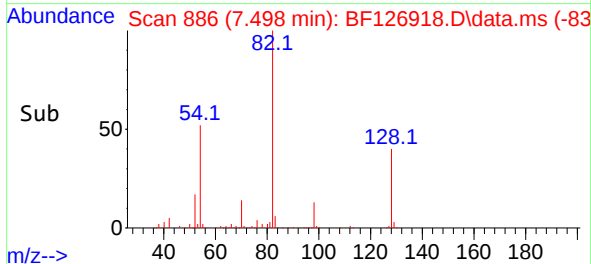
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



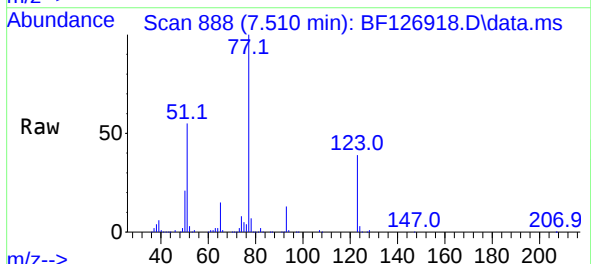
Tgt Ion: 82 Resp: 703740
Ion Ratio Lower Upper
82 100
128 39.6 32.7 49.1
54 52.1 41.7 62.5

Manual Integrations
APPROVED

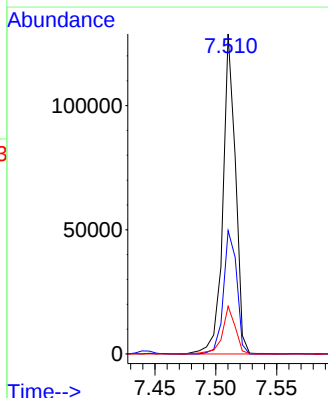
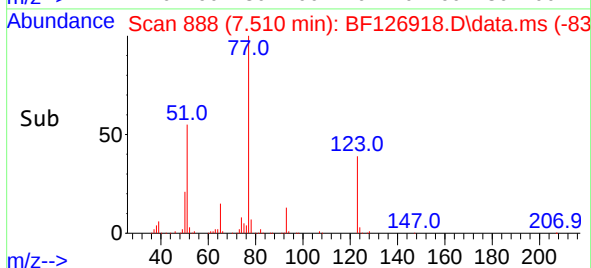
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

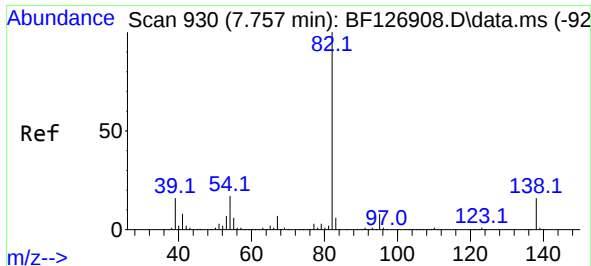


#24
Nitrobenzene
Concen: 10.031 ng
RT: 7.510 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



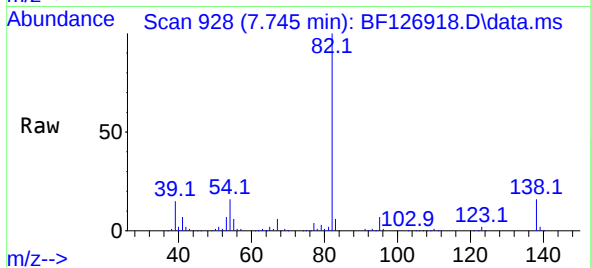
Tgt Ion: 77 Resp: 93169
Ion Ratio Lower Upper
77 100
123 38.6 34.6 52.0
65 14.9 10.6 15.8





#25
Isophorone
Concen: 10.751 ng
RT: 7.745 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

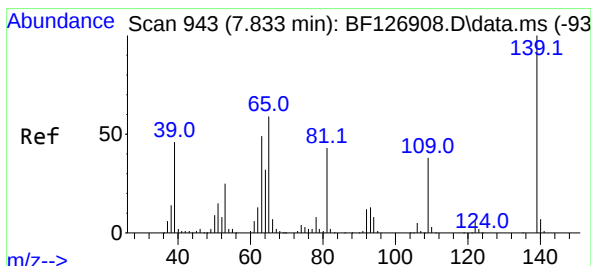
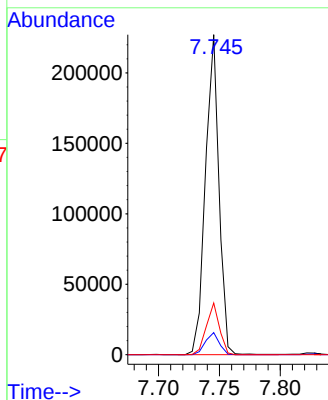
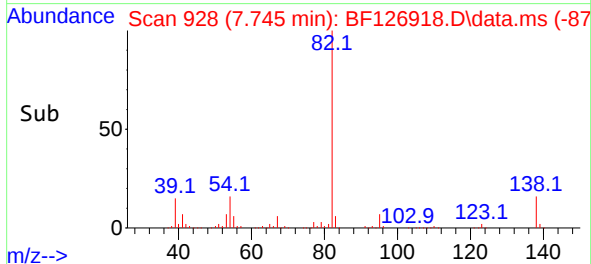
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



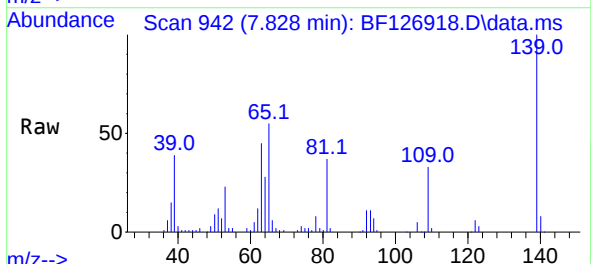
Tgt Ion: 82 Resp: 17492
Ion Ratio Lower Upper
82 100
95 6.9 5.0 7.4
138 16.1 12.3 18.5

Manual Integrations
APPROVED

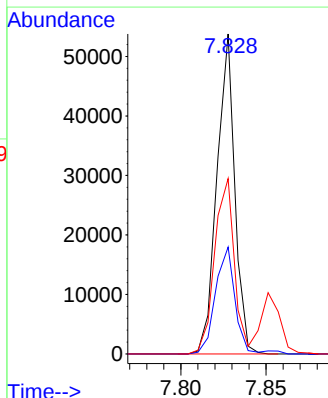
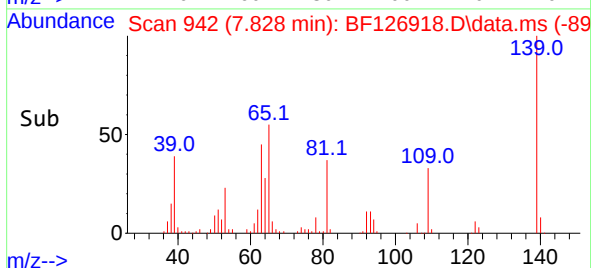
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

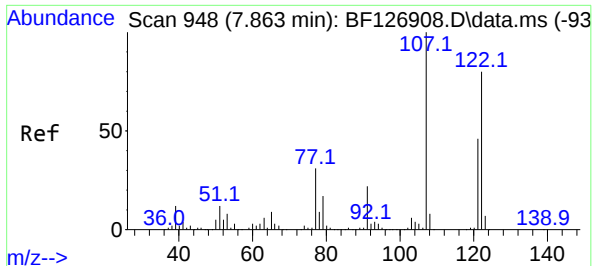


#26
2-Nitrophenol
Concen: 9.933 ng
RT: 7.828 min Scan# 942
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



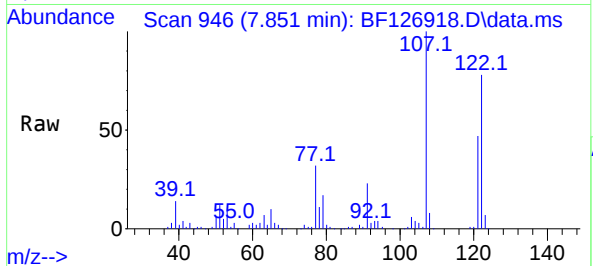
Tgt Ion:139 Resp: 39281
Ion Ratio Lower Upper
139 100
109 33.4 20.0 30.0#
65 54.8 40.8 61.2





#27
2,4-Dimethylphenol
Concen: 10.969 ng
RT: 7.851 min Scan# 948
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

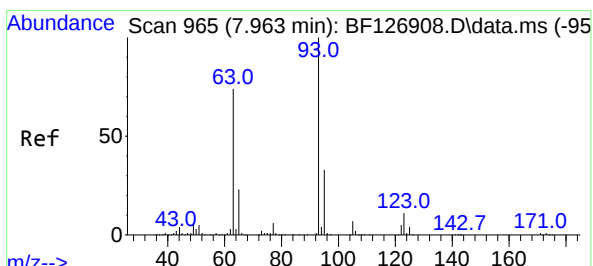
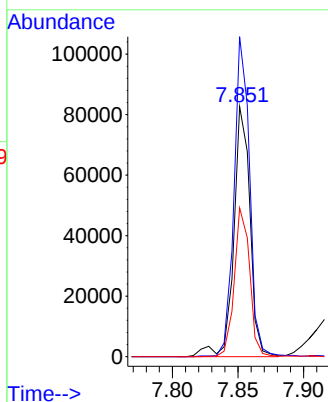
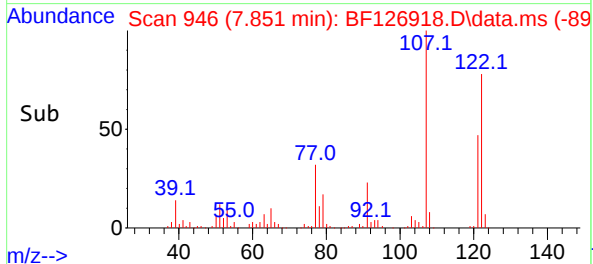
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



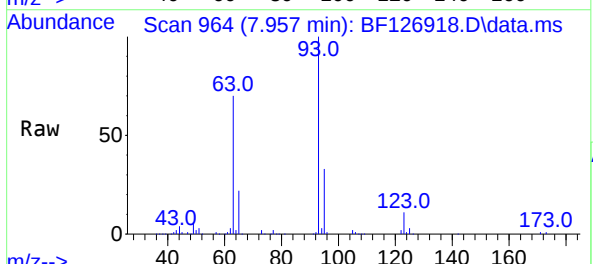
Tgt Ion:122 Resp: 7126
Ion Ratio Lower Upper
122 100
107 127.9 91.2 136.8
121 59.5 44.4 66.6

Manual Integrations
APPROVED

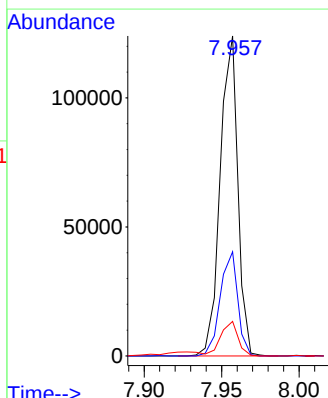
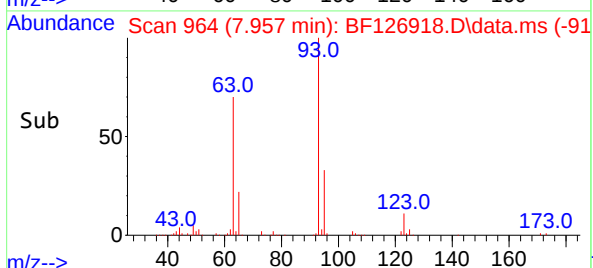
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

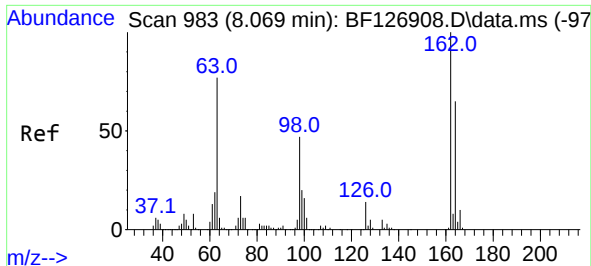


#28
bis(2-Chloroethoxy)methane
Concen: 9.931 ng
RT: 7.957 min Scan# 964
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



Tgt Ion: 93 Resp: 97952
Ion Ratio Lower Upper
93 100
95 32.5 25.4 38.2
123 10.8 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 9.949 ng

RT: 8.063 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF126918.D

Acq: 16 Feb 2022 18:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021

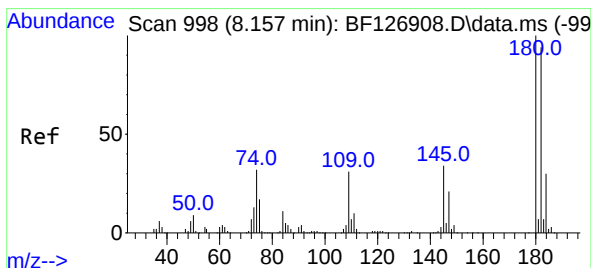
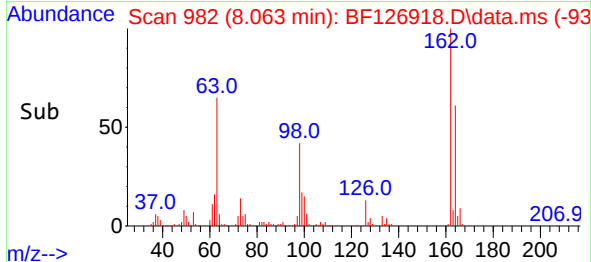
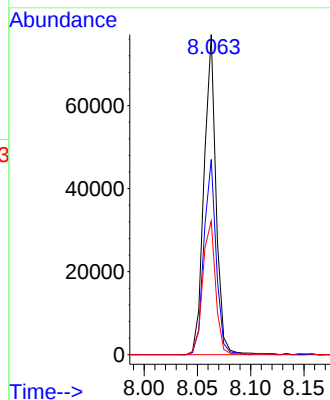
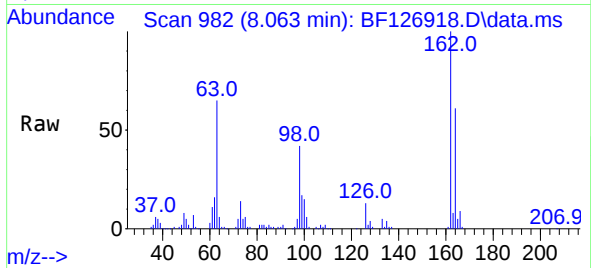
Tgt Ion:162 Resp: 60770
 Ion Ratio Lower Upper
 162 100
 164 61.0 43.8 83.8
 98 41.8 23.6 63.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/17/2022

Supervised By :Jagrut Upadhyay 02/17/2022



#30

1,2,4-Trichlorobenzene

Concen: 9.878 ng

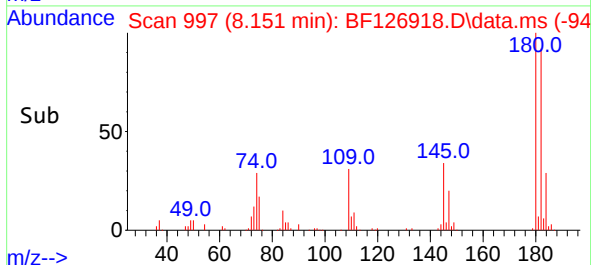
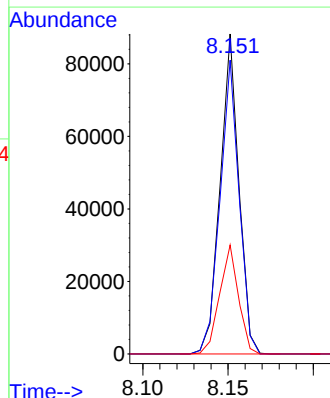
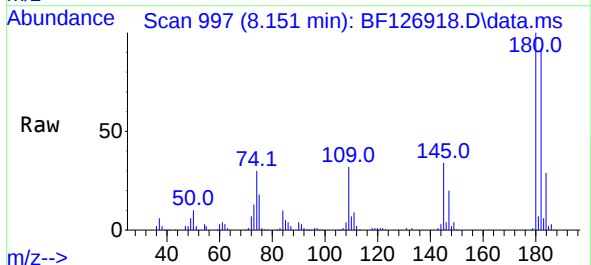
RT: 8.151 min Scan# 997

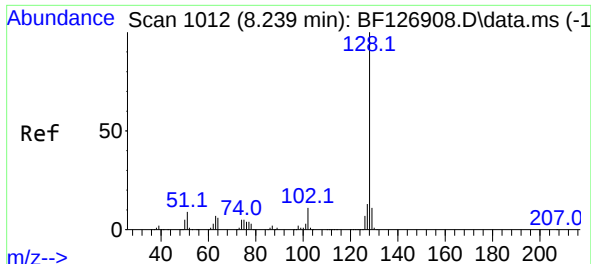
Delta R.T. -0.006 min

Lab File: BF126918.D

Acq: 16 Feb 2022 18:06

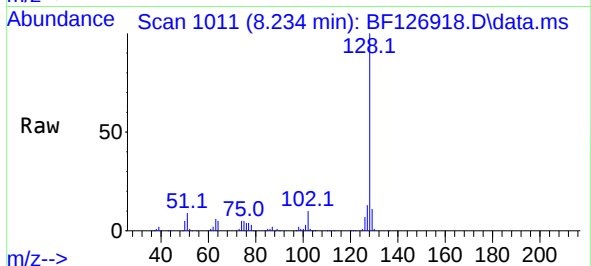
Tgt Ion:180 Resp: 67454
 Ion Ratio Lower Upper
 180 100
 182 91.8 75.5 113.3
 145 34.1 26.2 39.2





#31
Naphthalene
Concen: 10.213 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

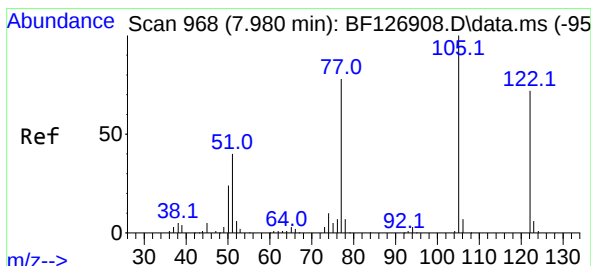
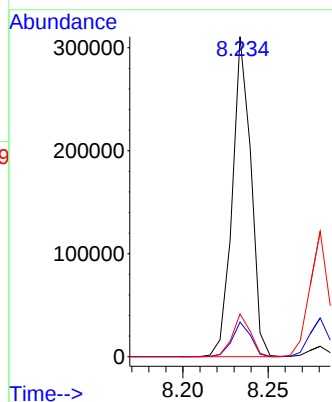
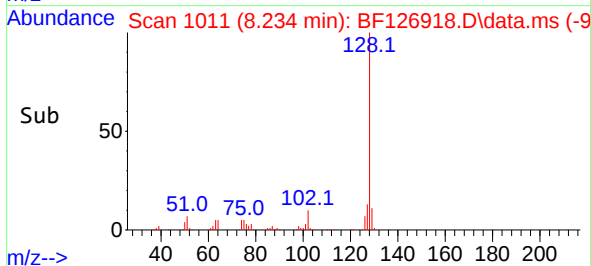
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2021



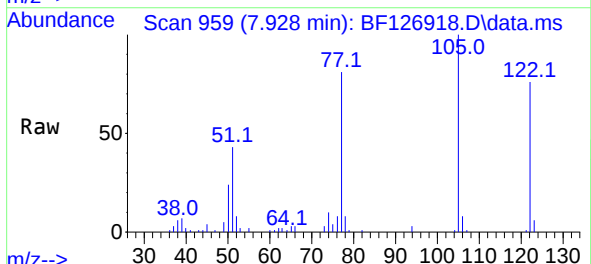
Tgt Ion:128 Resp: 236599
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.3 10.3 15.5

Manual Integrations
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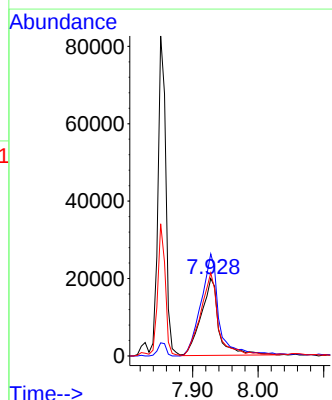
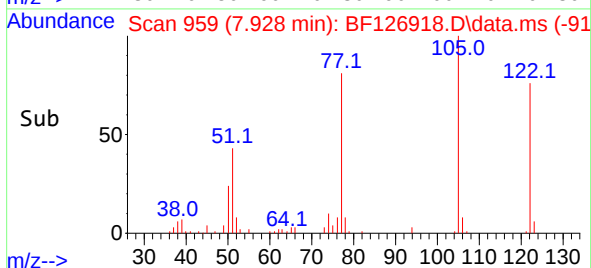
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#32
Benzoic acid
Concen: 8.183 ng
RT: 7.928 min Scan# 959
Delta R.T. -0.053 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



Tgt Ion:122 Resp: 37705
Ion Ratio Lower Upper
122 100
105 132.0 101.0 141.0
77 107.4 74.5 114.5





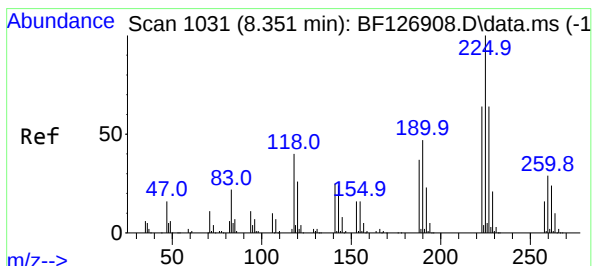
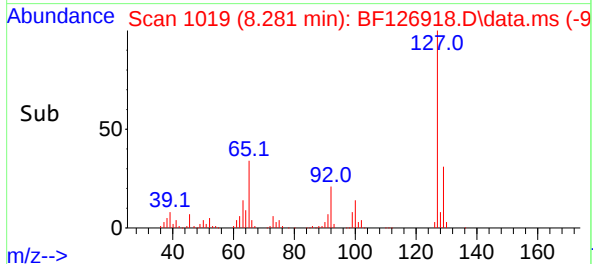
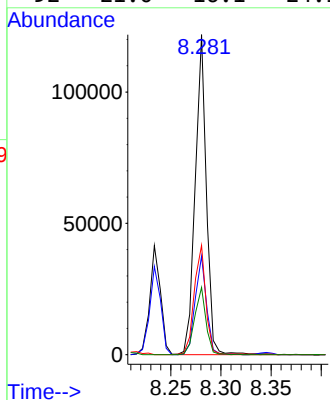
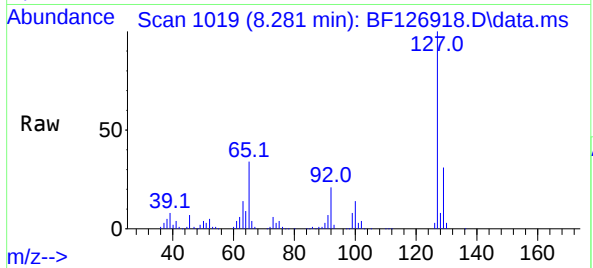
#33
4-Chloroaniline
Concen: 10.366 ng
RT: 8.281 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:127	Resp:	9452
Ion Ratio	Lower	Upper
127	100	
129	30.8	26.5 39.7
65	34.2	26.6 39.8
92	21.0	16.1 24.1

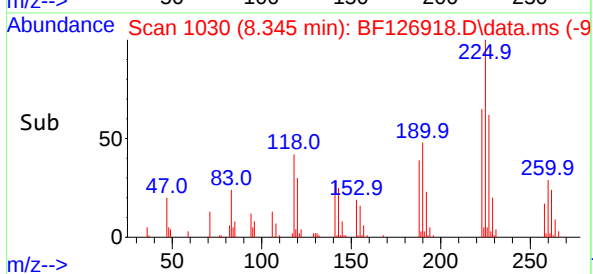
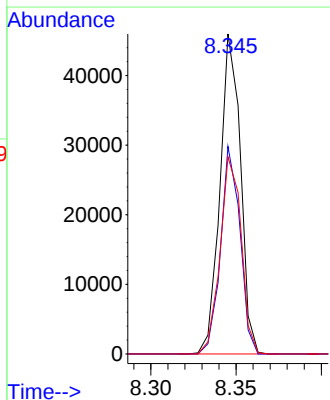
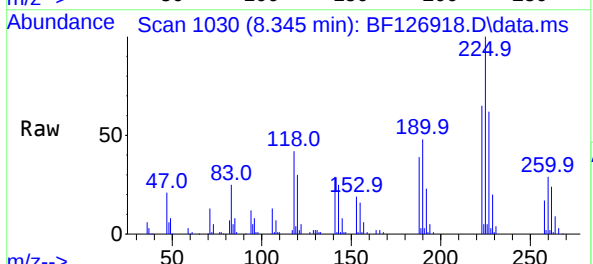
Manual Integrations
APPROVED

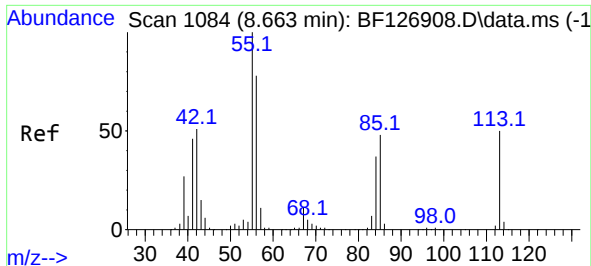
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#34
Hexachlorobutadiene
Concen: 9.625 ng
RT: 8.345 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

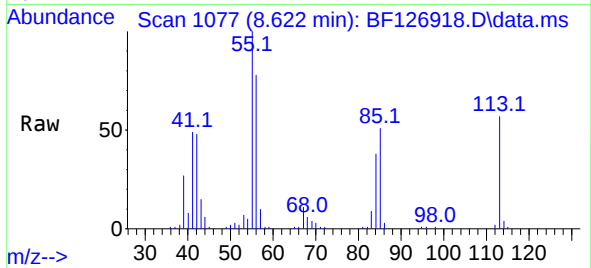
Tgt Ion:225	Resp:	38371
Ion Ratio	Lower	Upper
225	100	
223	64.9	48.6 73.0
227	61.6	51.4 77.0





#35
Caprolactam
Concen: 8.675 ng
RT: 8.622 min Scan# 1098
Delta R.T. -0.041 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

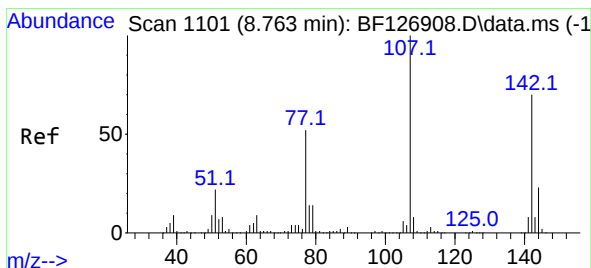
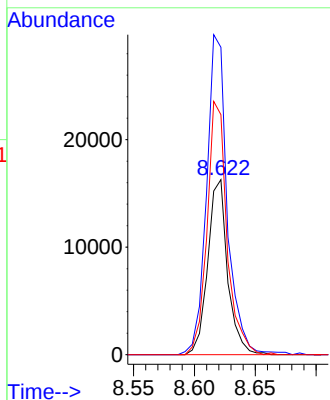
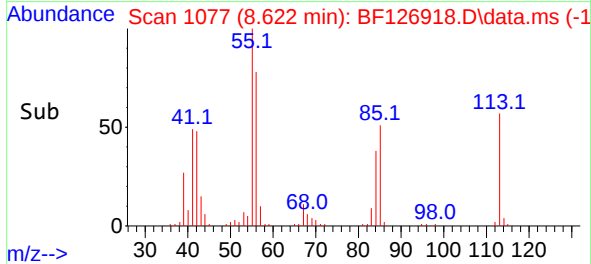
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:113 Resp: 18500
Ion Ratio Lower Upper
113 100
55 175.6 183.9 223.9
56 137.0 129.9 169.9

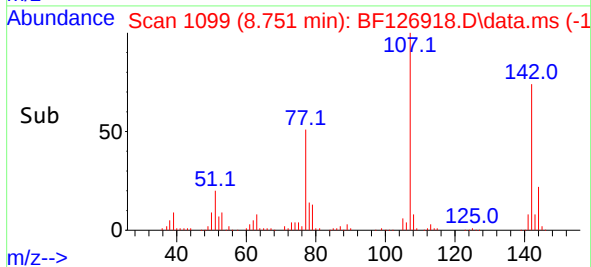
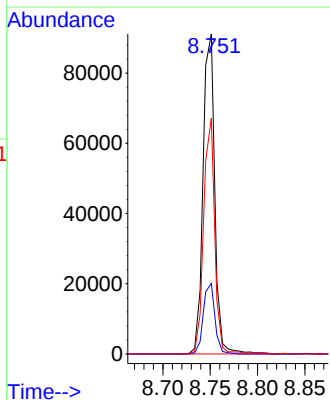
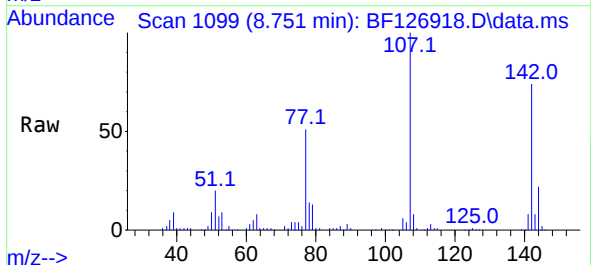
Manual Integrations
APPROVED

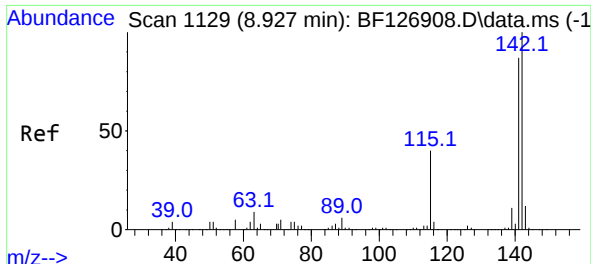
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#36
4-Chloro-3-methylphenol
Concen: 10.040 ng
RT: 8.751 min Scan# 1099
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

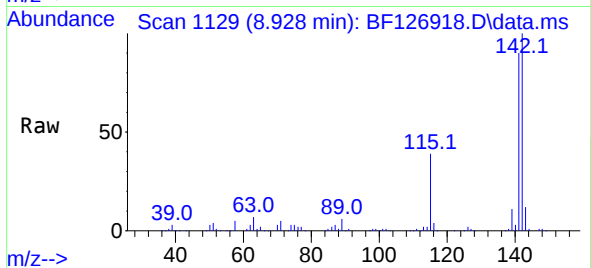
Tgt Ion:107 Resp: 78377
Ion Ratio Lower Upper
107 100
144 22.1 18.5 27.7
142 73.7 58.1 87.1





#37
2-Methylnaphthalene
Concen: 10.176 ng
RT: 8.928 min Scan# 1129
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

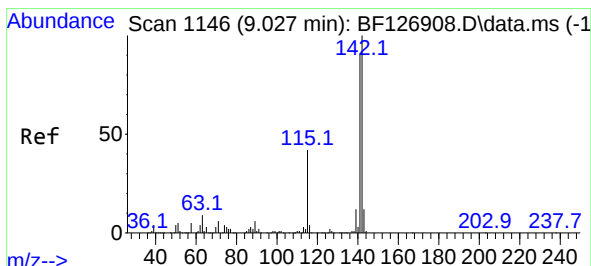
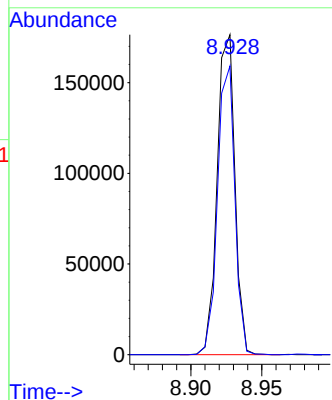
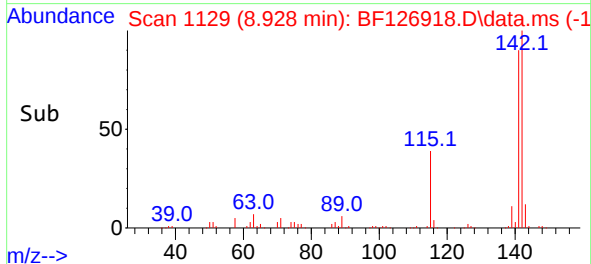
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



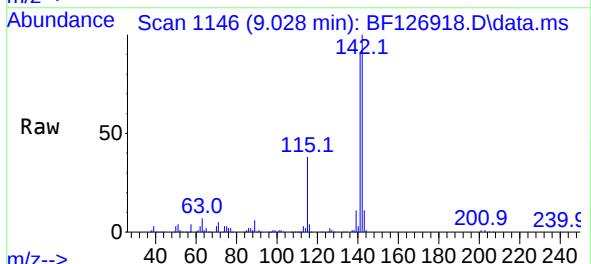
Tgt Ion:142 Resp: 152974
Ion Ratio Lower Upper
142 100
141 90.2 68.6 102.8

Manual Integrations
APPROVED

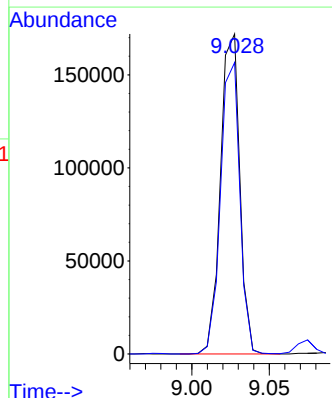
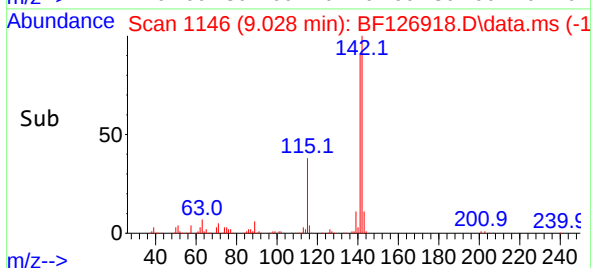
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

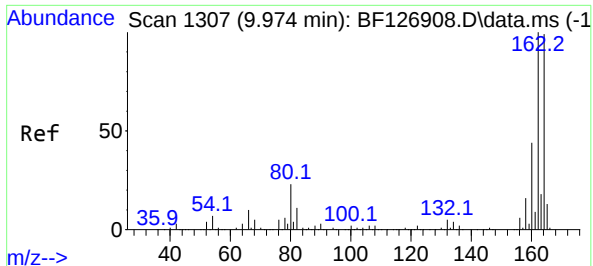


#38
1-Methylnaphthalene
Concen: 10.326 ng
RT: 9.028 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



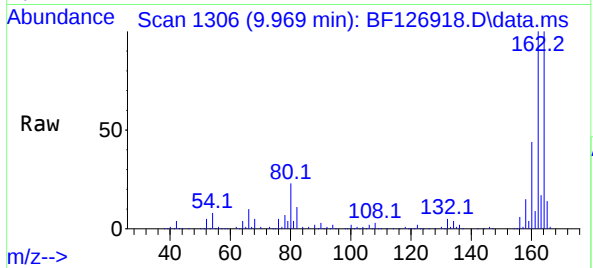
Tgt Ion:142 Resp: 148650
Ion Ratio Lower Upper
142 100
141 91.1 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

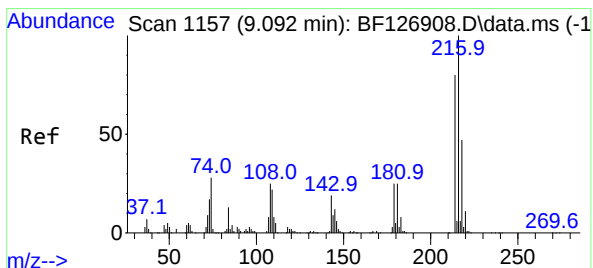
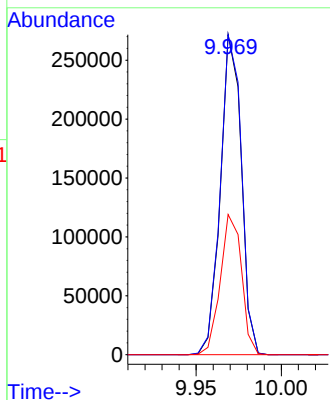
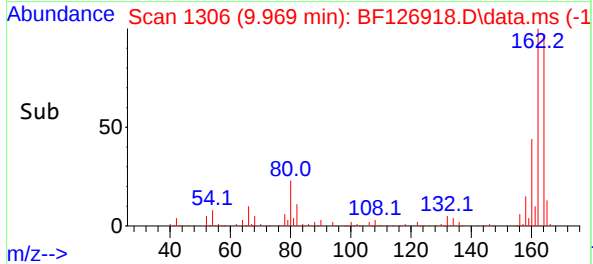
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



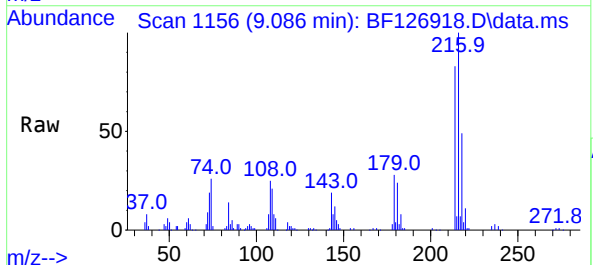
Tgt Ion:164 Resp: 23116
Ion Ratio Lower Upper
164 100
162 100.0 81.4 122.0
160 43.8 36.6 54.8

Manual Integrations
APPROVED

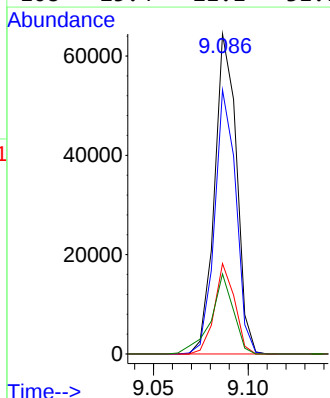
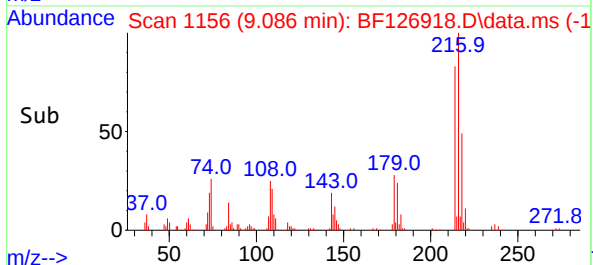
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

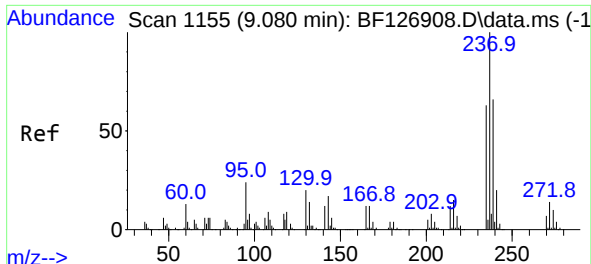


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.554 ng
RT: 9.086 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



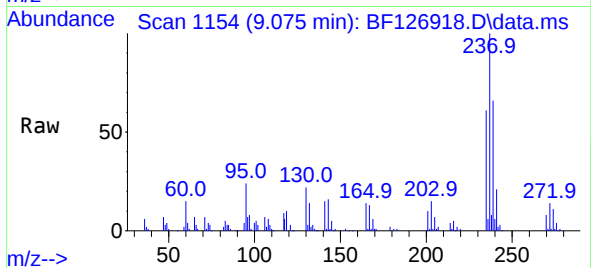
Tgt Ion:216 Resp: 52049
Ion Ratio Lower Upper
216 100
214 80.2 64.6 96.8
179 25.9 19.5 29.3
108 25.4 21.1 31.7





#41
Hexachlorocyclopentadiene
Concen: 10.943 ng
RT: 9.075 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

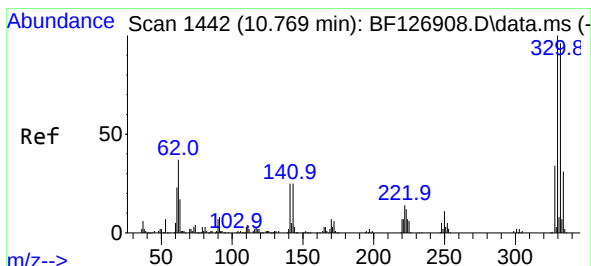
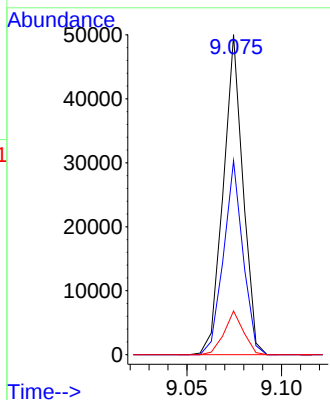
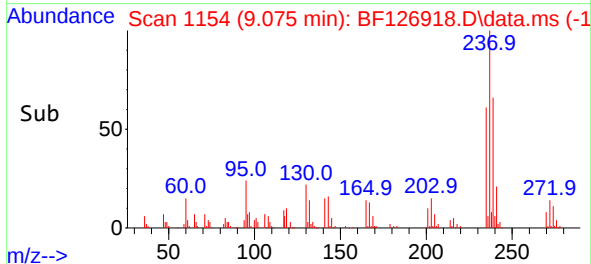
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



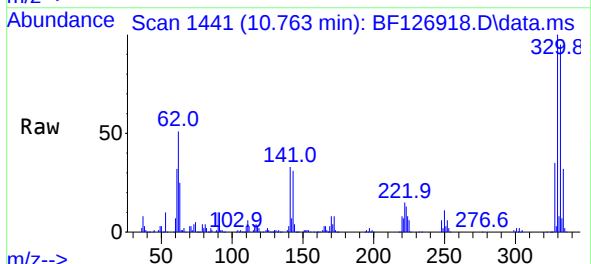
Tgt Ion: 237 Resp: 36115
Ion Ratio Lower Upper
237 100
235 60.6 38.9 78.9
272 13.6 0.0 33.5

Manual Integrations
APPROVED

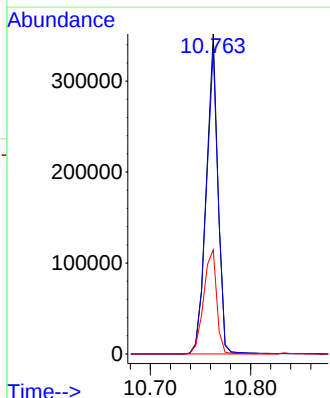
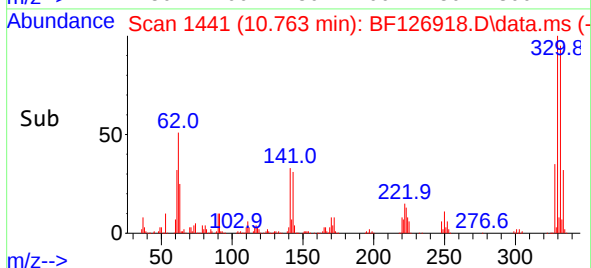
Reviewed By : Christian Giraldo 02/17/2022
Supervised By : Jagrut Upadhyay 02/17/2022

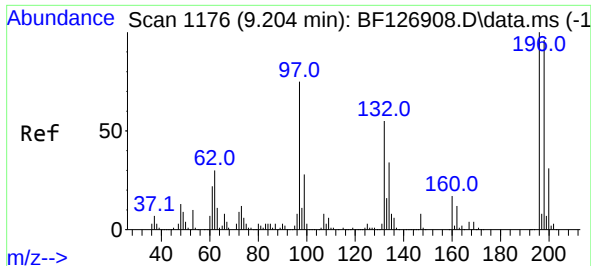


#42
2,4,6-Tribromophenol
Concen: 107.523 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



Tgt Ion: 330 Resp: 286172
Ion Ratio Lower Upper
330 100
332 97.0 76.0 114.0
141 36.4 30.1 45.1





#43

2,4,6-Trichlorophenol

Concen: 9.288 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF126918.D

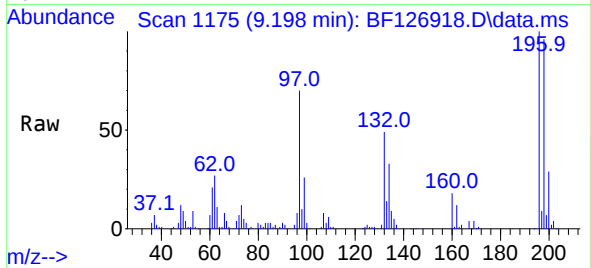
Acq: 16 Feb 2022 18:06

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion:196 Resp: 4145

Ion Ratio Lower Upper

196 100

198 95.8 78.5 117.7

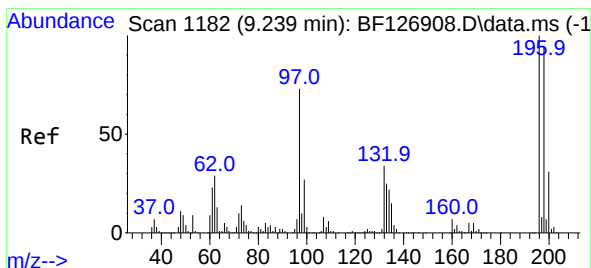
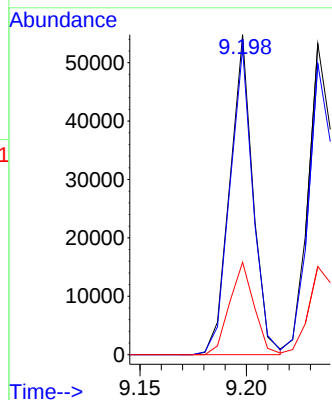
200 28.9 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/17/2022

Supervised By :Jagrut Upadhyay 02/17/2022



#44

2,4,5-Trichlorophenol

Concen: 9.577 ng

RT: 9.233 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF126918.D

Acq: 16 Feb 2022 18:06

Tgt Ion:196 Resp: 44978

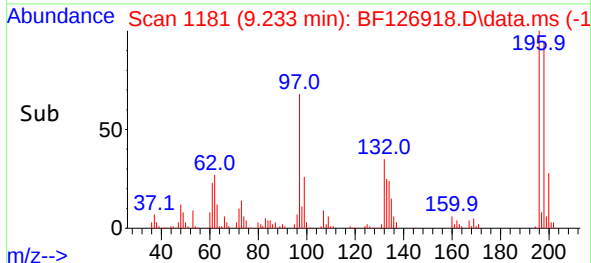
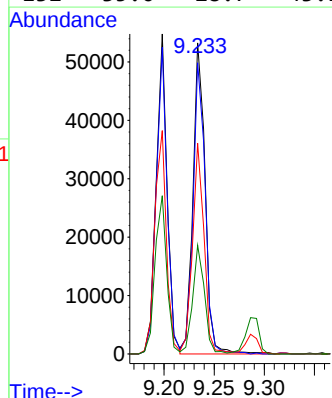
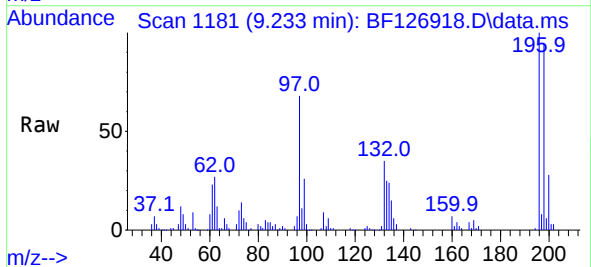
Ion Ratio Lower Upper

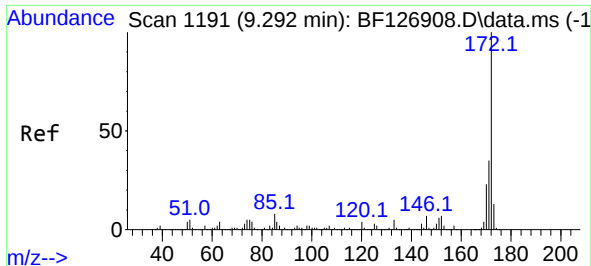
196 100

198 93.6 82.0 123.0

97 67.8 53.5 80.3

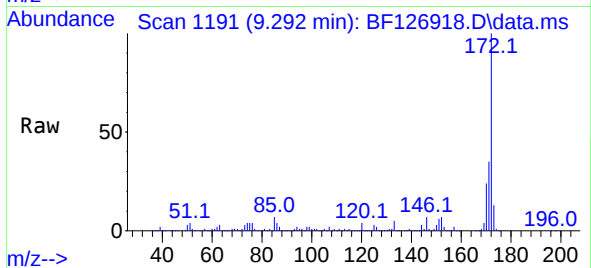
132 35.0 28.7 43.1





#45
2-Fluorobiphenyl
Concen: 71.000 ng
RT: 9.292 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

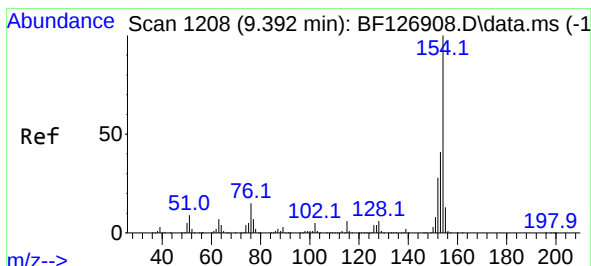
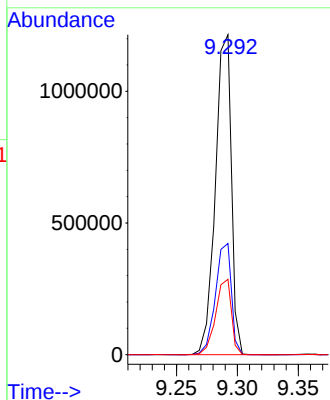
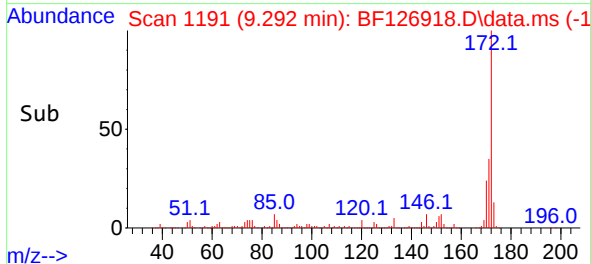
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



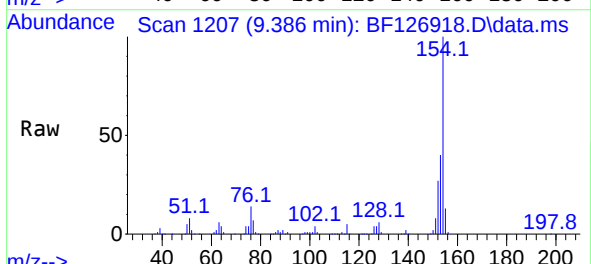
Tgt Ion:172 Resp: 1114854
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.6 19.0 28.6

Manual Integrations
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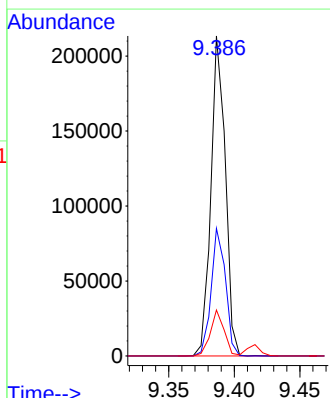
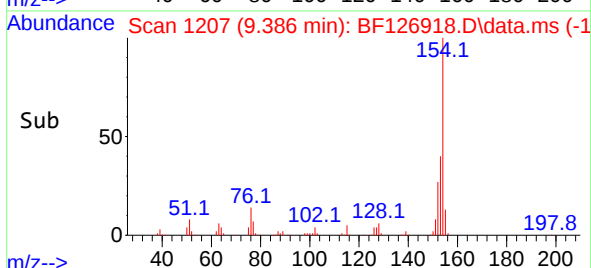
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#46
1,1'-Biphenyl
Concen: 8.907 ng
RT: 9.386 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



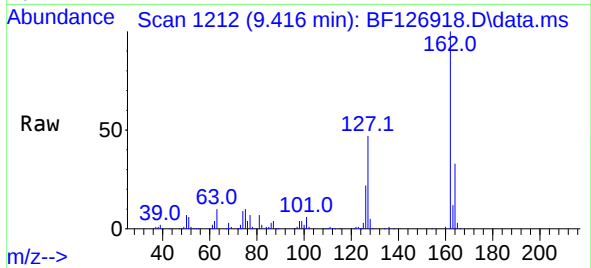
Tgt Ion:154 Resp: 163128
Ion Ratio Lower Upper
154 100
153 39.9 19.0 59.0
76 14.3 0.0 34.5





#47
2-Chloronaphthalene
Concen: 10.010 ng
RT: 9.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

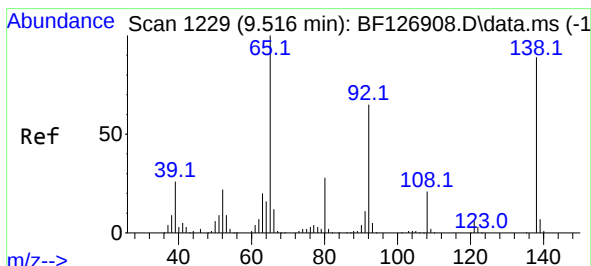
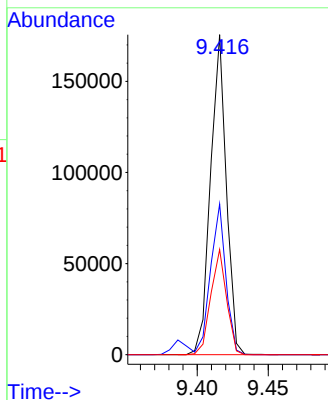
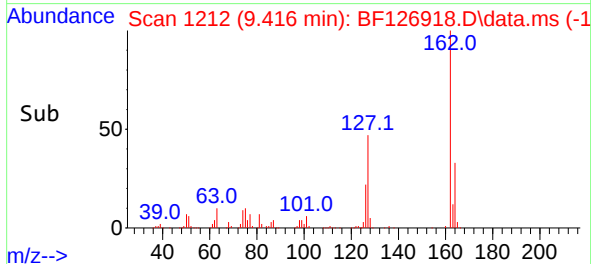
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



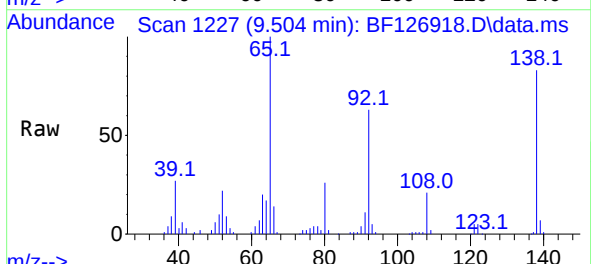
Tgt Ion:162 Resp: 135944
Ion Ratio Lower Upper
162 100
127 47.1 33.5 50.3
164 32.8 26.2 39.4

Manual Integrations
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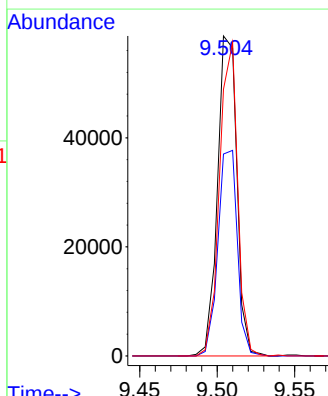
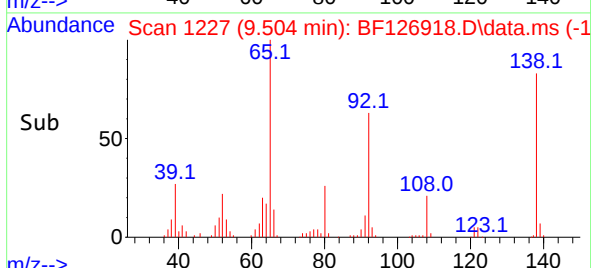
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

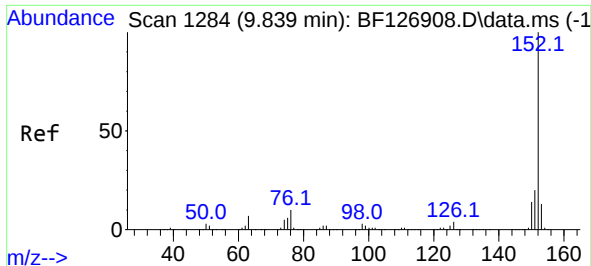


#48
2-Nitroaniline
Concen: 9.527 ng
RT: 9.504 min Scan# 1227
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



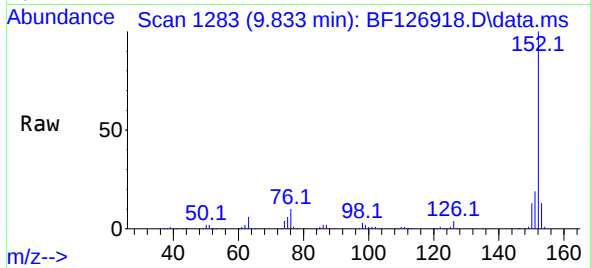
Tgt Ion: 65 Resp: 51059
Ion Ratio Lower Upper
65 100
92 63.1 54.4 81.6
138 83.3 72.5 108.7





#49
Acenaphthylene
Concen: 10.899 ng
RT: 9.833 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

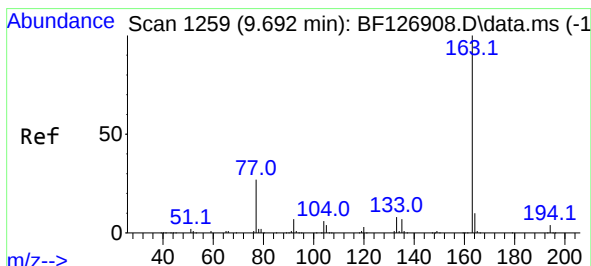
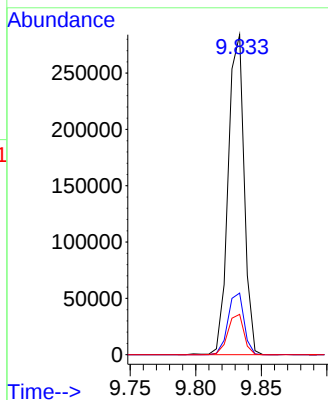
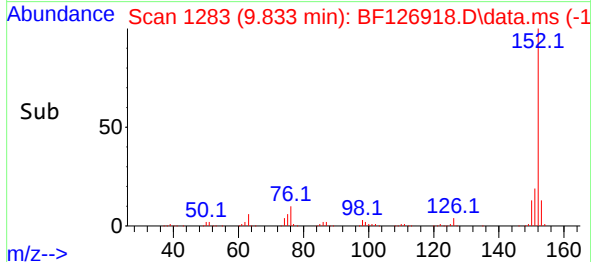
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



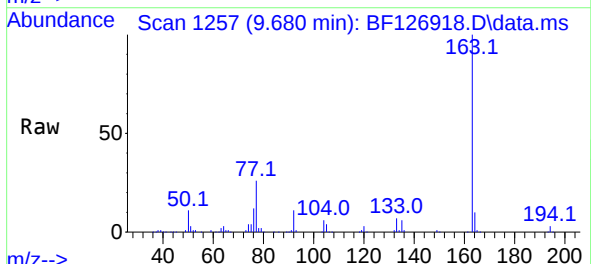
Tgt Ion:152 Resp: 240444
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 12.6 11.4 17.0

Manual Integrations
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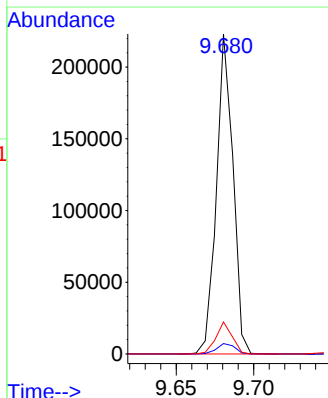
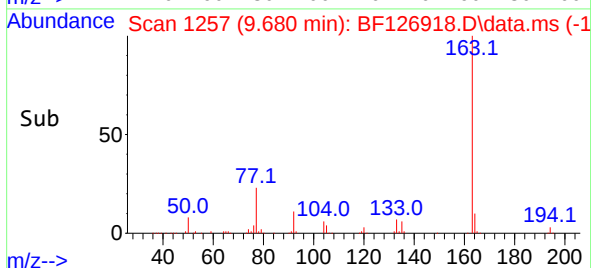
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

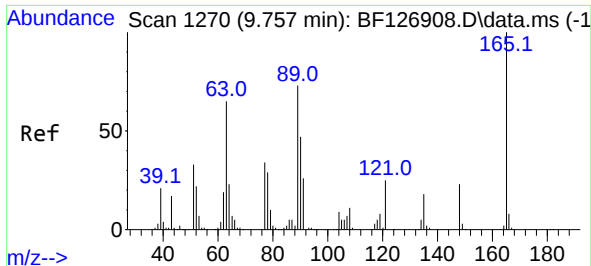


#50
Dimethylphthalate
Concen: 10.011 ng
RT: 9.680 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



Tgt Ion:163 Resp: 165405
Ion Ratio Lower Upper
163 100
194 3.2 2.6 3.8
164 10.0 7.8 11.8





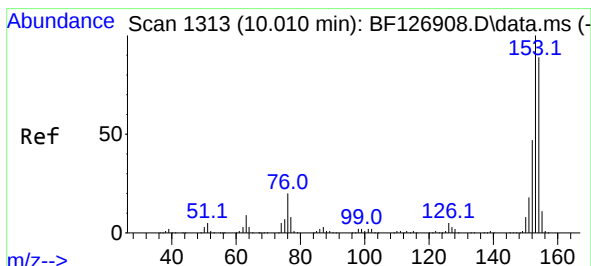
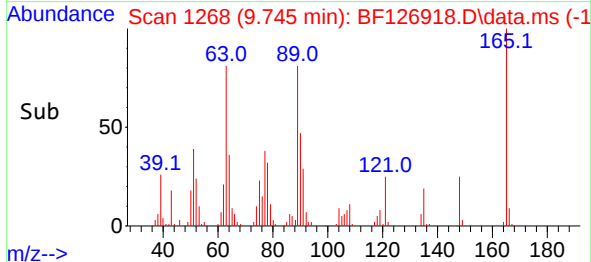
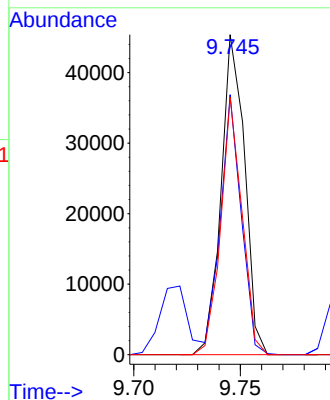
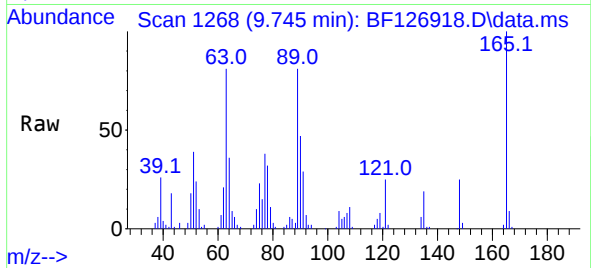
#51
2,6-Dinitrotoluene
Concen: 10.367 ng
RT: 9.745 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:165 Resp: 34849
Ion Ratio Lower Upper
165 100
63 81.2 48.4 72.6
89 80.5 50.5 75.7

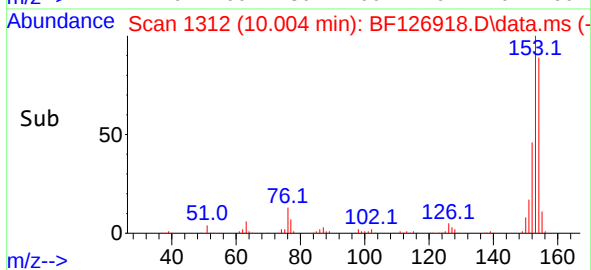
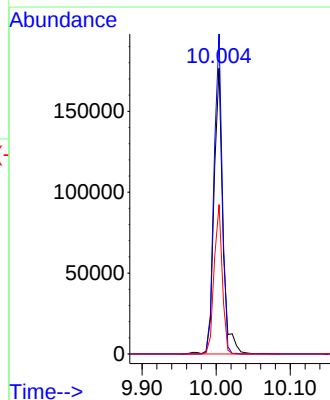
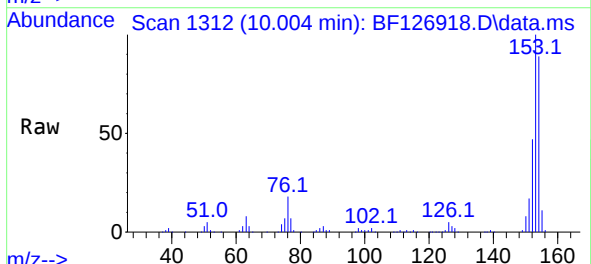
Manual Integrations
APPROVED

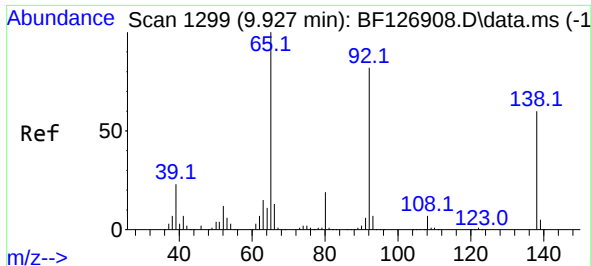
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#52
Acenaphthene
Concen: 10.172 ng
RT: 10.004 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

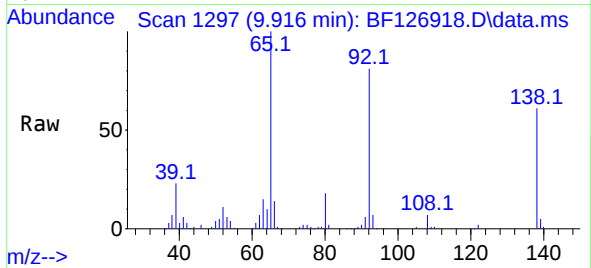
Tgt Ion:154 Resp: 145948
Ion Ratio Lower Upper
154 100
153 112.0 87.8 131.6
152 52.3 39.4 59.2





#53
3-Nitroaniline
Concen: 9.488 ng
RT: 9.916 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

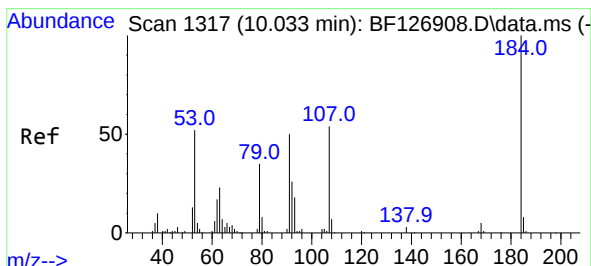
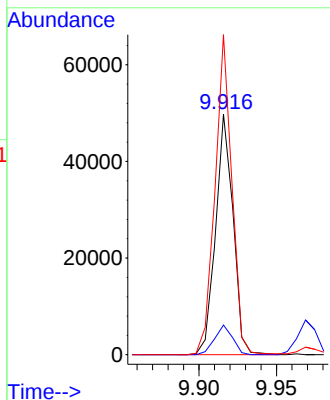
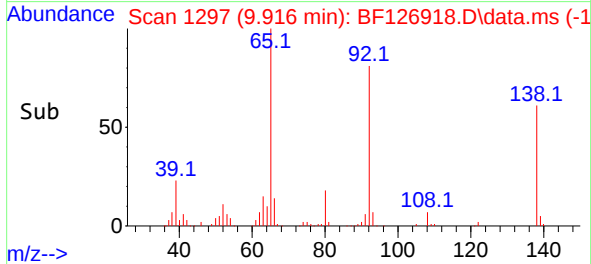
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



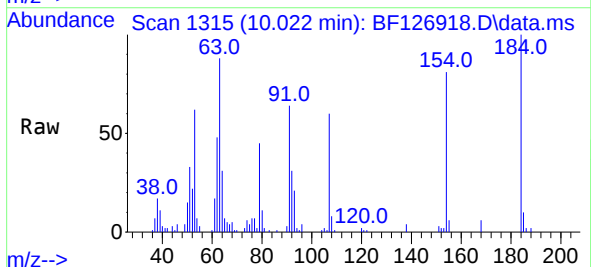
Tgt Ion:138 Resp: 3898
Ion Ratio Lower Upper
138 100
108 12.3 8.6 13.0
92 133.0 105.0 157.6

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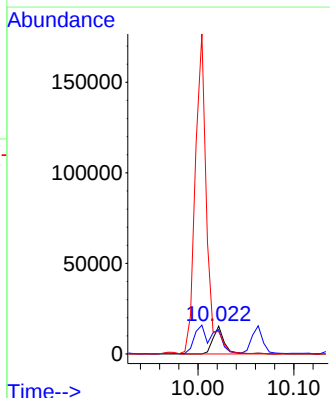
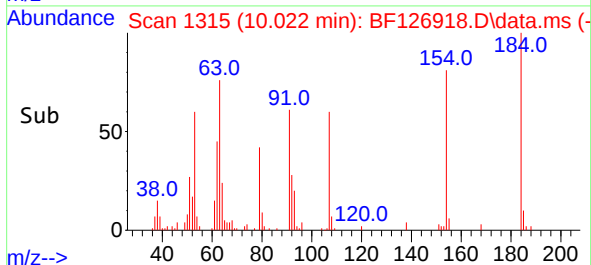
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

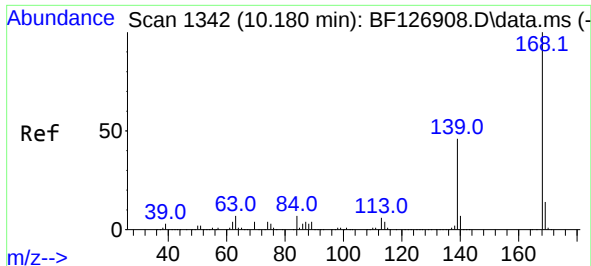


#54
2,4-Dinitrophenol
Concen: 7.057 ng m
RT: 10.022 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



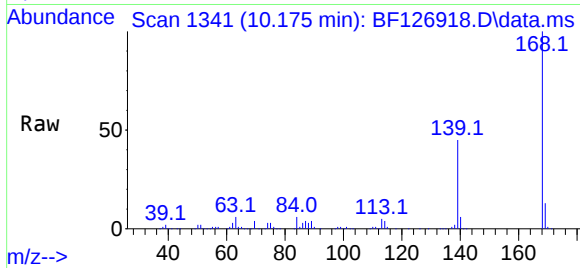
Tgt Ion:184 Resp: 12557
Ion Ratio Lower Upper
184 100
63 87.6 70.4 105.6
154 80.9 49.7 74.5#





#55
Dibenzofuran
Concen: 9.935 ng
RT: 10.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

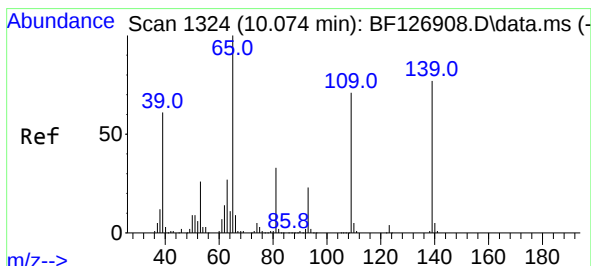
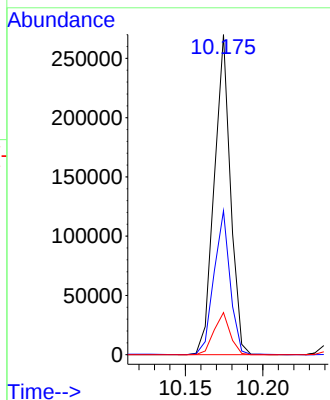
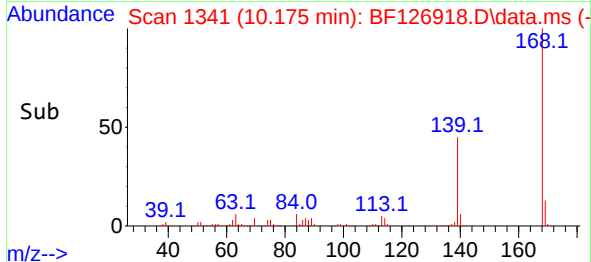
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



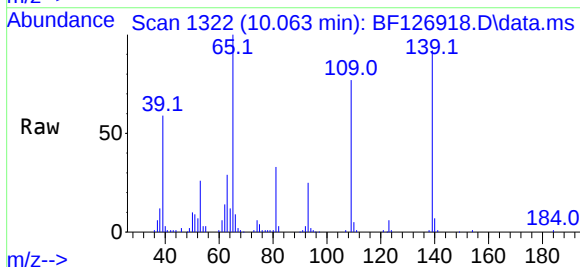
Tgt Ion:168 Resp: 195999
Ion Ratio Lower Upper
168 100
139 45.0 30.6 46.0
169 13.1 10.0 15.0

Manual Integrations
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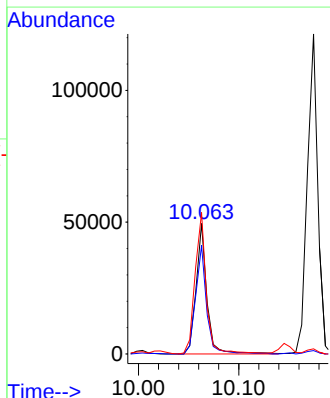
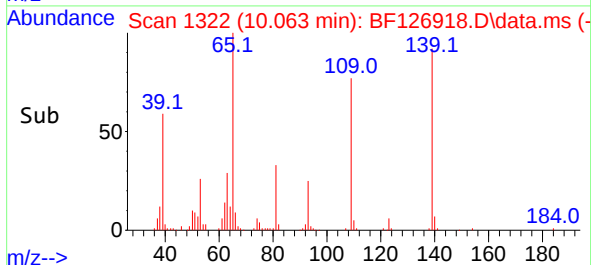
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

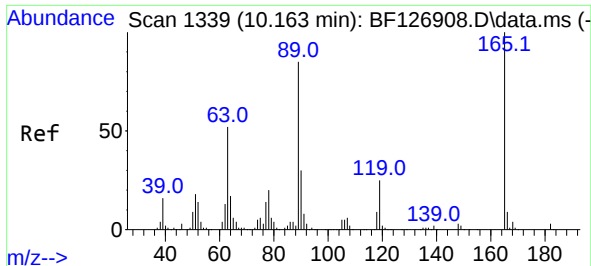


#56
4-Nitrophenol
Concen: 12.264 ng
RT: 10.063 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



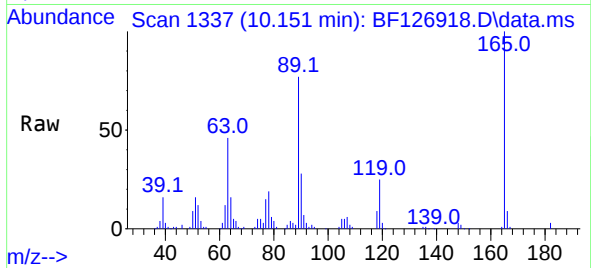
Tgt Ion:139 Resp: 37223
Ion Ratio Lower Upper
139 100
109 83.2 44.1 84.1
65 108.4 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 10.336 ng
RT: 10.151 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

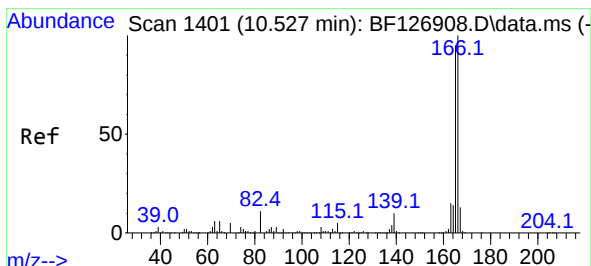
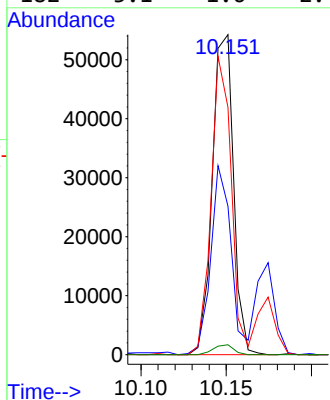
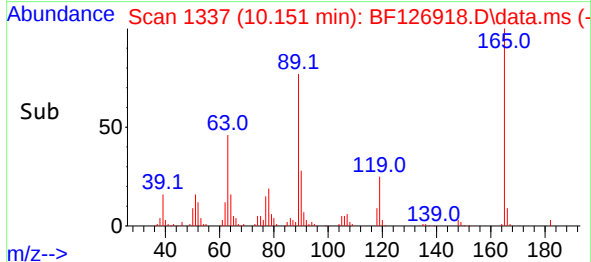
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



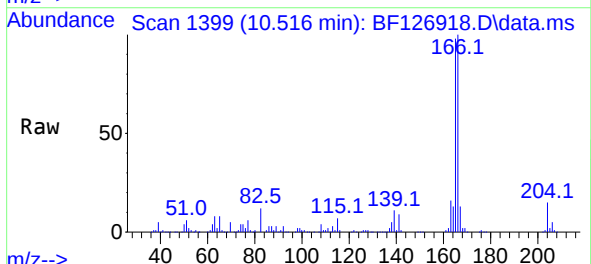
Tgt Ion:165 Resp: 4698
Ion Ratio Lower Upper
165 100
63 46.4 43.0 64.6
89 77.3 71.0 106.4
182 3.1 1.6 2.4#

Manual Integrations
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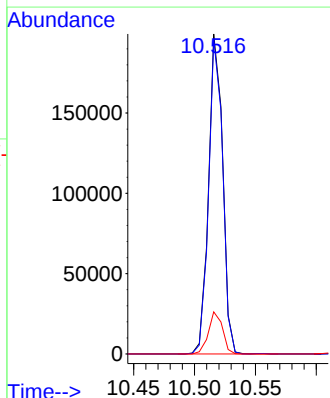
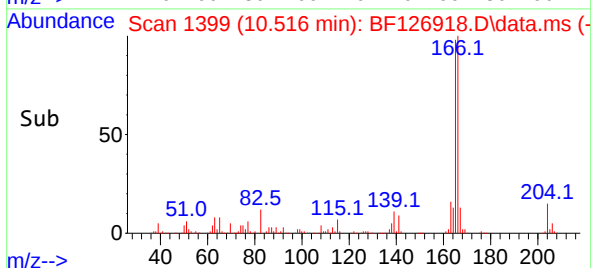
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

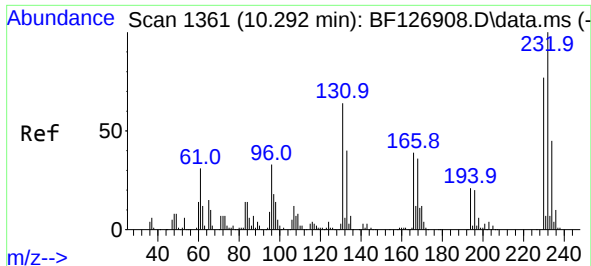


#58
Fluorene
Concen: 10.396 ng
RT: 10.516 min Scan# 1399
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



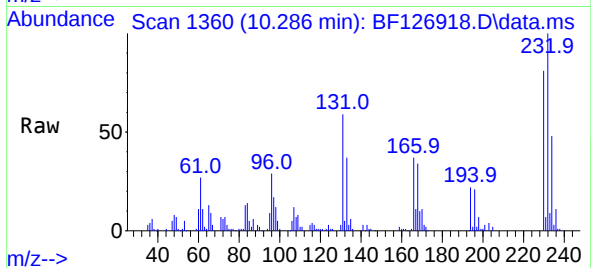
Tgt Ion:166 Resp: 159766
Ion Ratio Lower Upper
166 100
165 98.3 77.7 116.5
167 13.2 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.206 ng
RT: 10.286 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

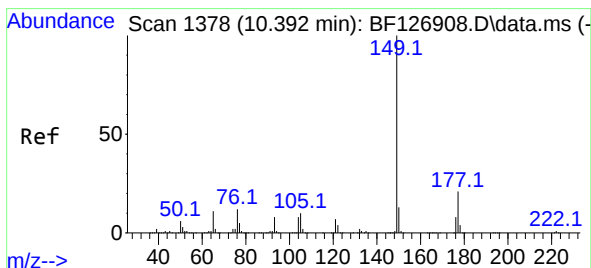
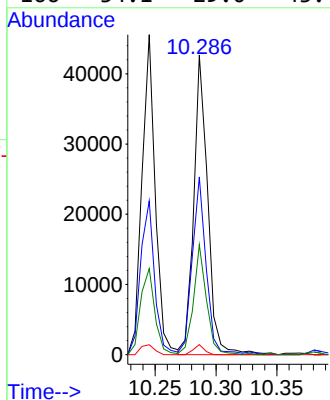
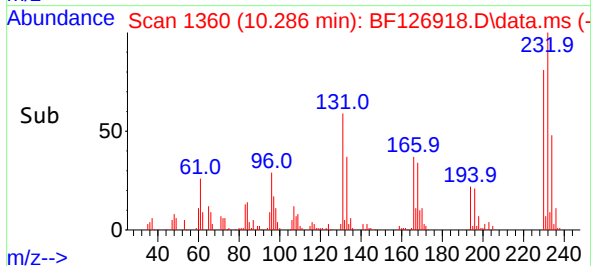
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



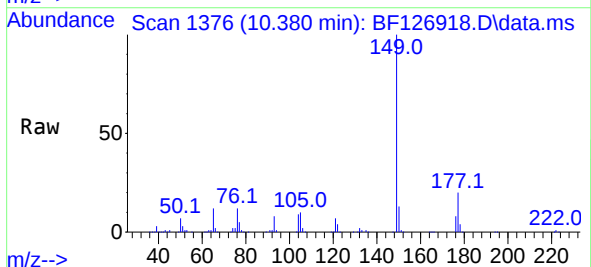
Tgt Ion:232 Resp: 3427
Ion Ratio Lower Upper
232 100
131 59.1 50.0 75.0
130 2.5 2.2 3.2
166 34.1 29.0 43.4

Manual Integrations
APPROVED

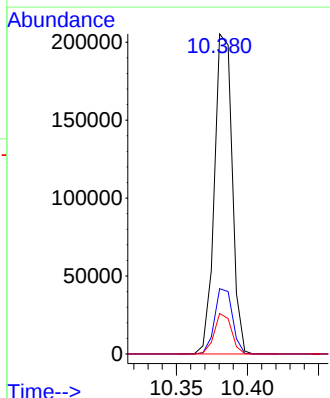
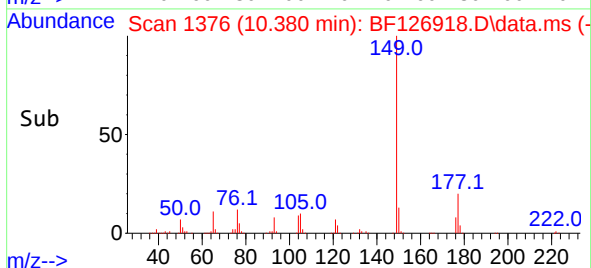
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

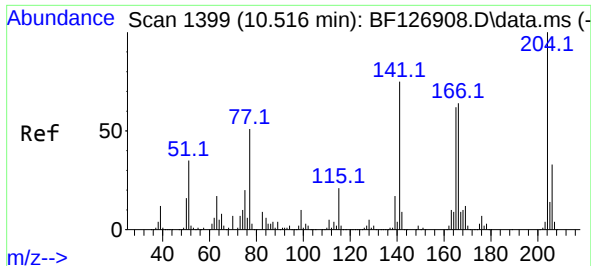


#60
Diethylphthalate
Concen: 10.295 ng
RT: 10.380 min Scan# 1376
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



Tgt Ion:149 Resp: 177742
Ion Ratio Lower Upper
149 100
177 20.4 16.7 25.1
150 12.7 9.8 14.8





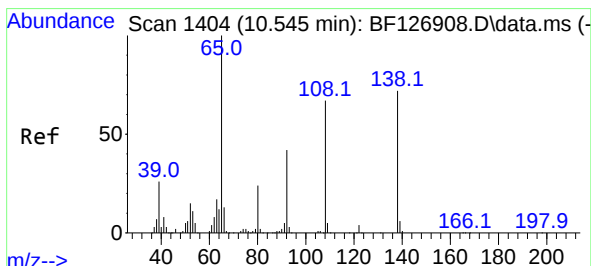
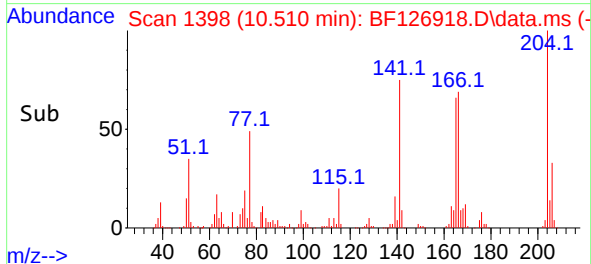
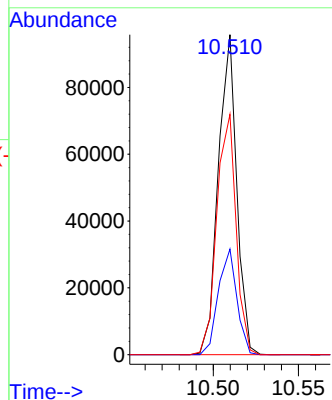
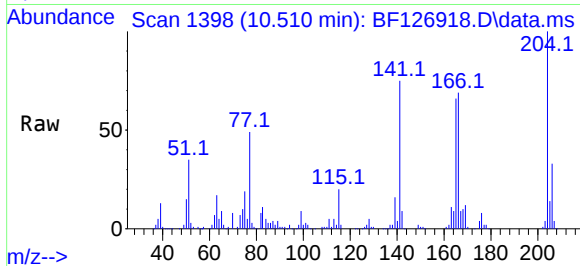
#61
4-Chlorophenyl-phenylether
Concen: 9.962 ng
RT: 10.510 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:204 Resp: 72184
Ion Ratio Lower Upper
204 100
206 33.0 26.3 39.5
141 75.1 59.0 88.6

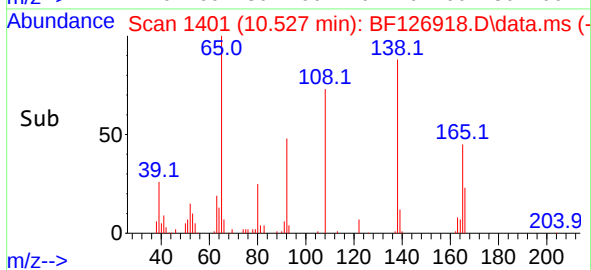
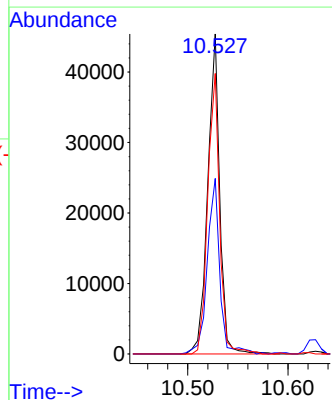
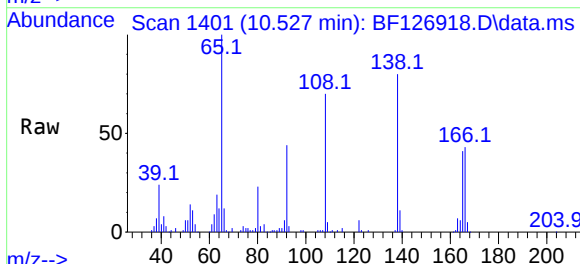
Manual Integrations
APPROVED

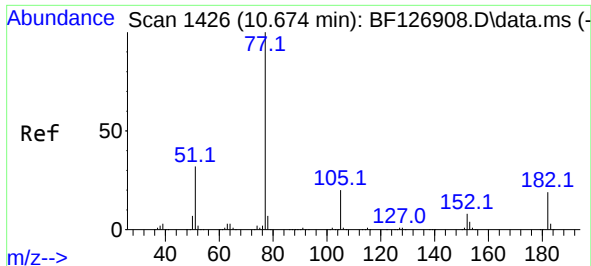
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#62
4-Nitroaniline
Concen: 9.359 ng
RT: 10.527 min Scan# 1401
Delta R.T. -0.018 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

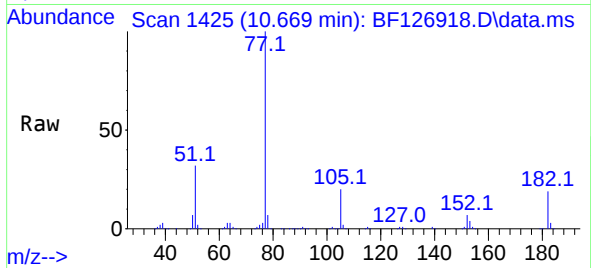
Tgt Ion:138 Resp: 37979
Ion Ratio Lower Upper
138 100
92 54.9 36.2 76.2
108 87.6 46.7 86.7#





#63
Azobenzene
Concen: 9.744 ng
RT: 10.669 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

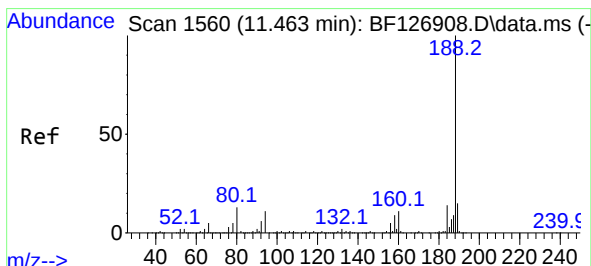
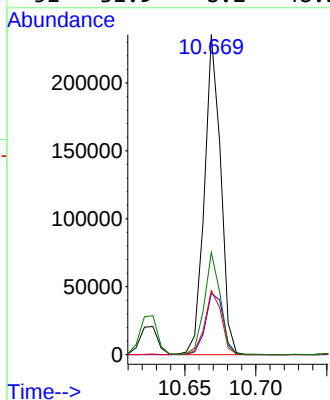
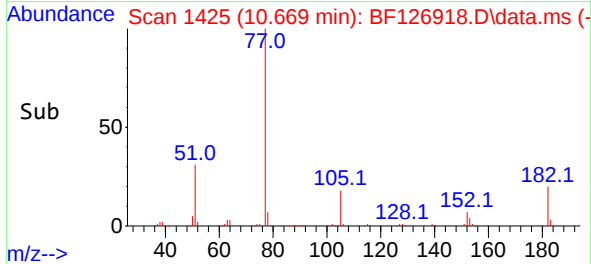
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



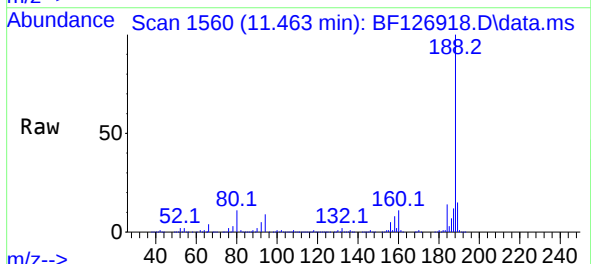
Tgt Ion: 77 Resp: 187329
Ion Ratio Lower Upper
77 100
182 19.2 0.0 39.0
105 20.0 3.2 43.2
51 31.9 8.2 48.2

Manual Integrations
APPROVED

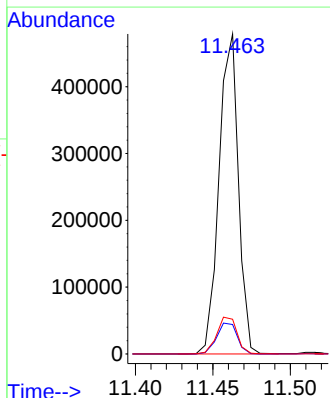
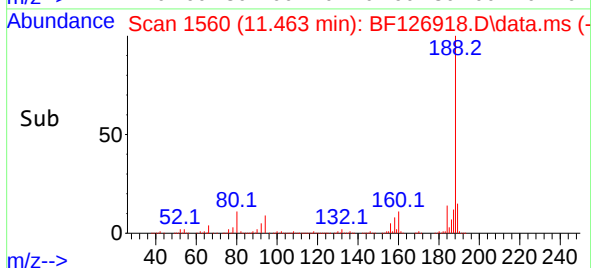
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

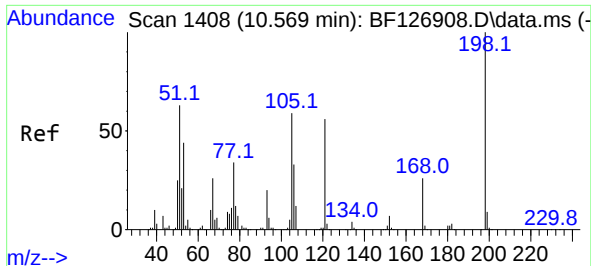


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



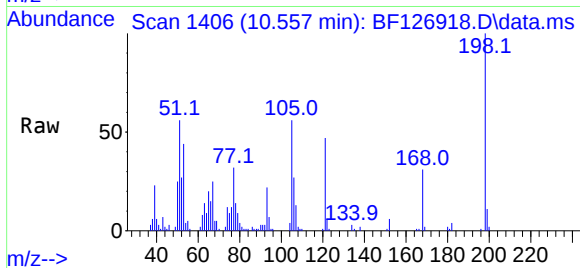
Tgt Ion:188 Resp: 416350
Ion Ratio Lower Upper
188 100
94 9.2 10.1 15.1#
80 10.8 11.8 17.6#





#65
4,6-Dinitro-2-methylphenol
Concen: 7.533 ng
RT: 10.557 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

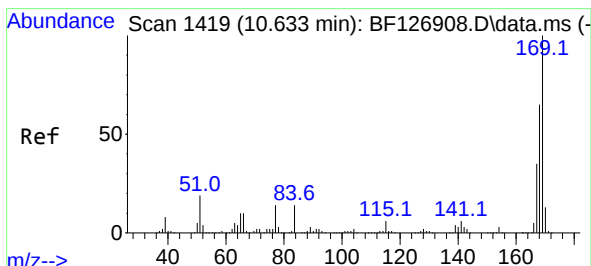
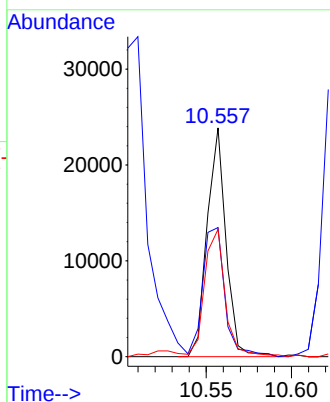
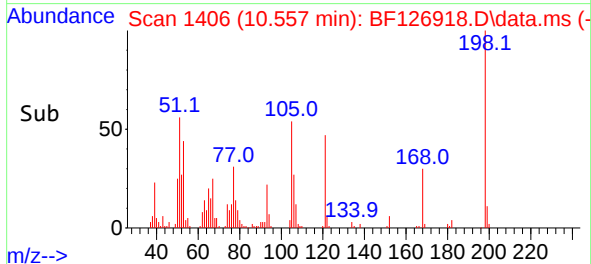
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



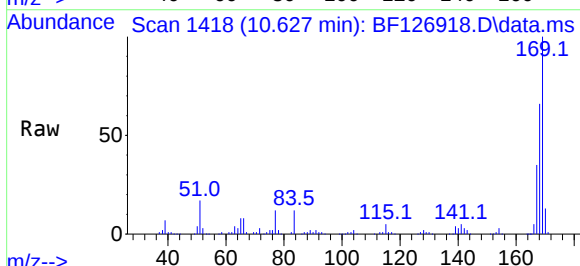
Tgt Ion:198 Resp: 18428
Ion Ratio Lower Upper
198 100
51 56.4 32.0 72.0
105 55.7 32.7 72.7

Manual Integrations
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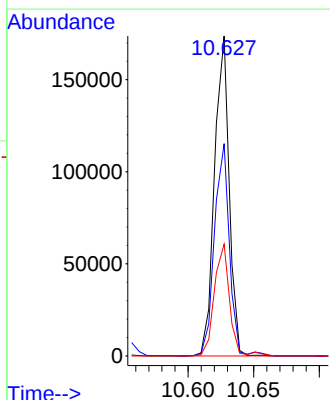
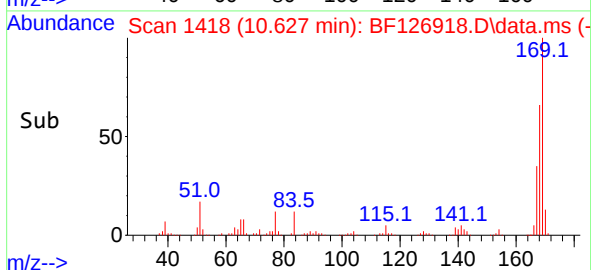
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

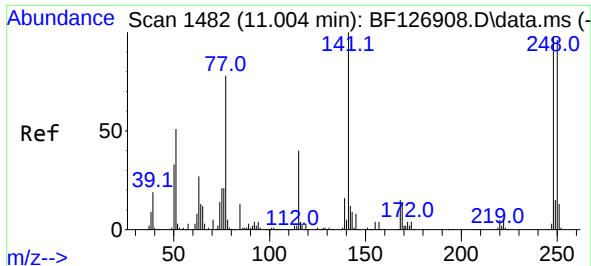


#66
n-Nitrosodiphenylamine
Concen: 9.864 ng
RT: 10.627 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



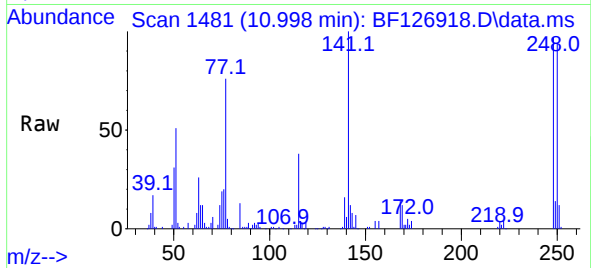
Tgt Ion:169 Resp: 134669
Ion Ratio Lower Upper
169 100
168 66.3 53.4 80.0
167 35.0 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 9.653 ng
RT: 10.998 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

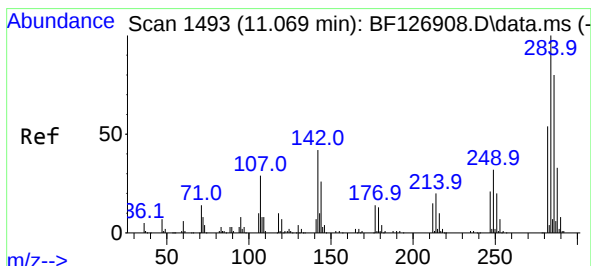
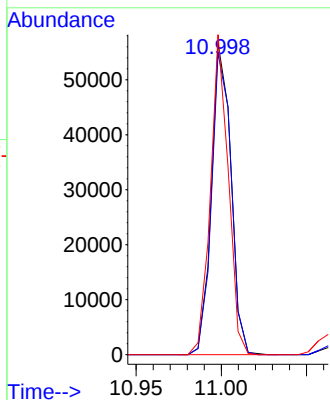
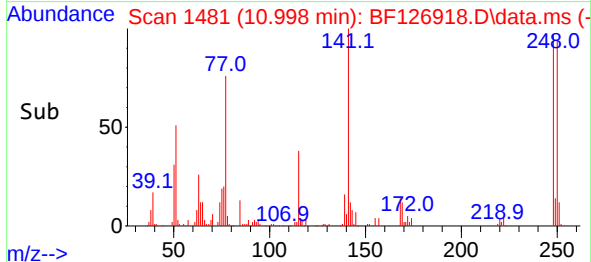
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



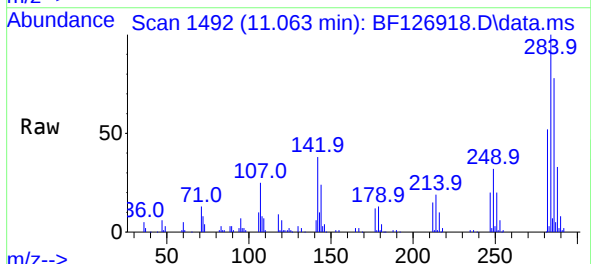
Tgt Ion:248 Resp: 4490
Ion Ratio Lower Upper
248 100
250 96.8 76.2 114.4
141 102.7 66.2 99.4

Manual Integrations
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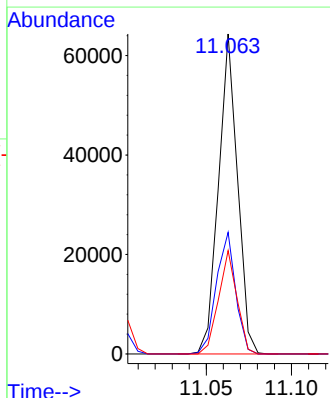
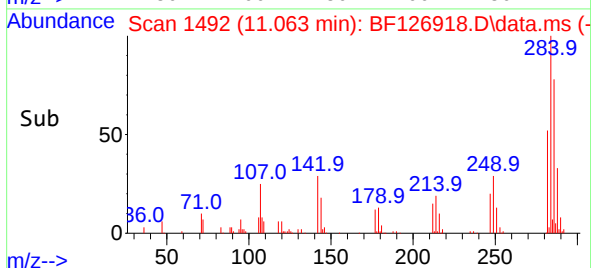
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

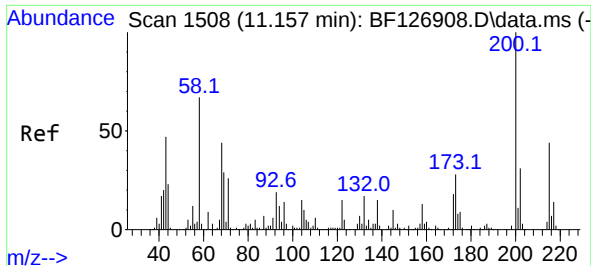


#68
Hexachlorobenzene
Concen: 9.959 ng
RT: 11.063 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



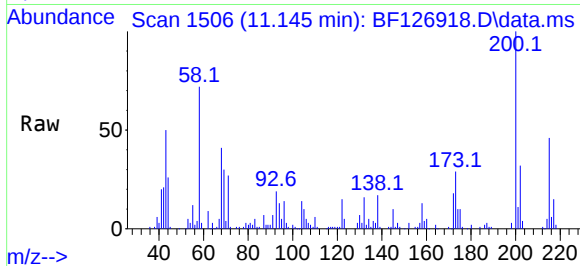
Tgt Ion:284 Resp: 49876
Ion Ratio Lower Upper
284 100
142 38.0 30.7 46.1
249 32.3 21.1 31.7





#69
Atrazine
Concen: 8.323 ng
RT: 11.145 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

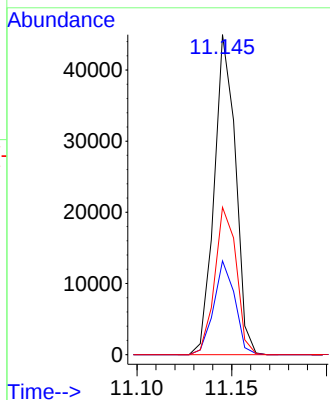
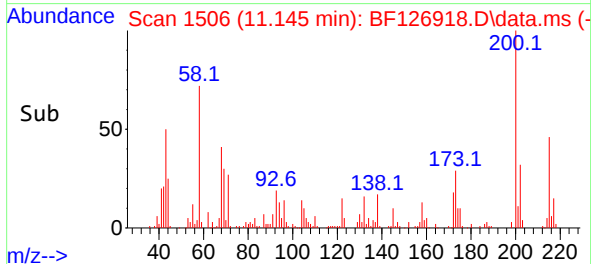
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



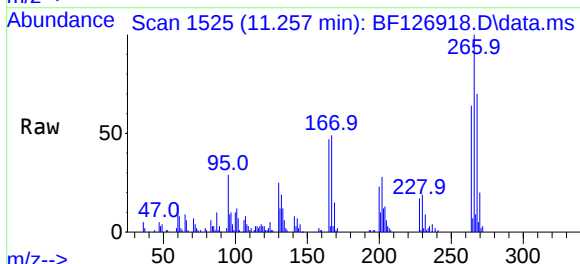
Tgt Ion:200 Resp: 3524
Ion Ratio Lower Upper
200 100
173 29.3 9.2 49.2
215 46.1 23.2 63.2

Manual Integrations
APPROVED

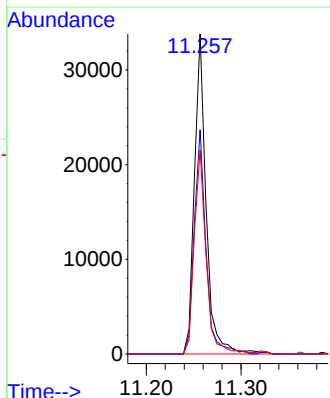
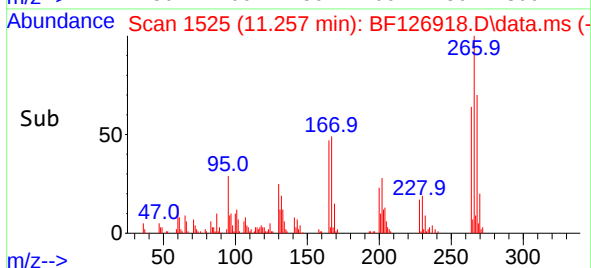
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

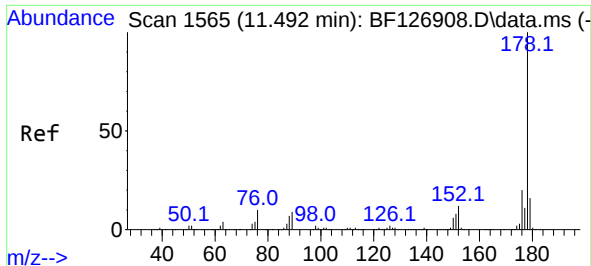


#70
Pentachlorophenol
Concen: 10.680 ng
RT: 11.257 min Scan# 1525
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



Tgt Ion:266 Resp: 29197
Ion Ratio Lower Upper
266 100
268 70.1 52.3 78.5
264 63.8 50.4 75.6





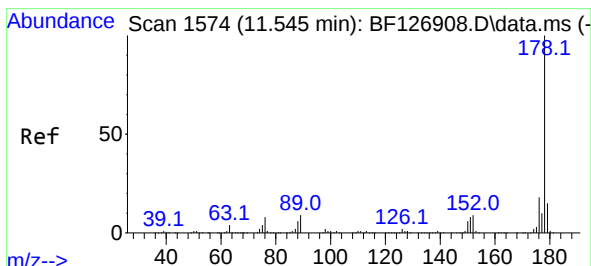
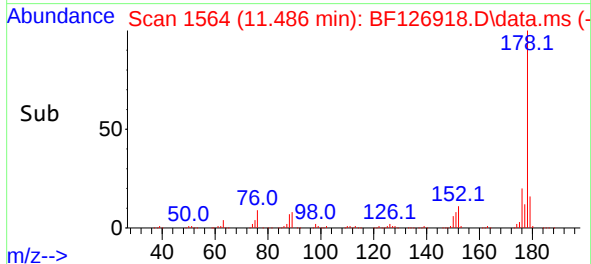
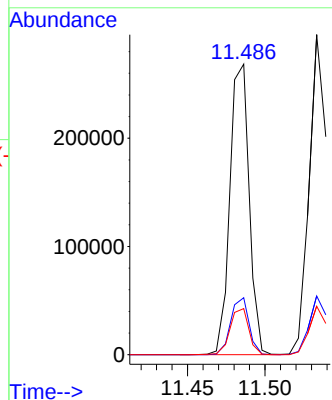
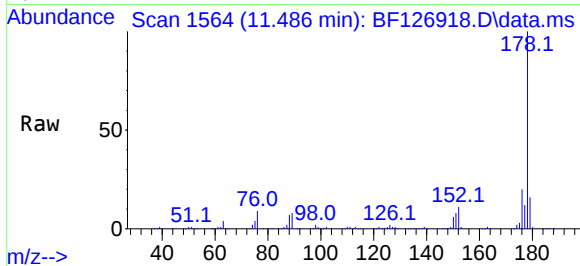
#71
Phenanthrene
Concen: 9.992 ng
RT: 11.486 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:178 Resp: 232840
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.9 12.3 18.5

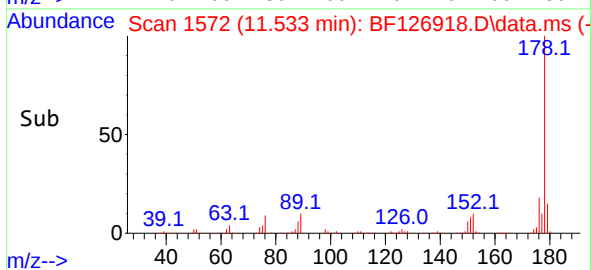
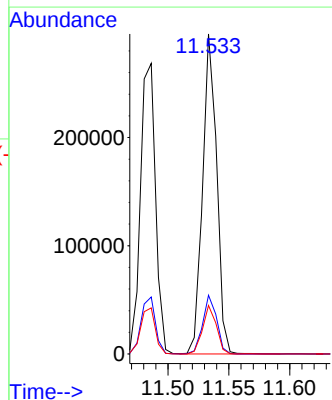
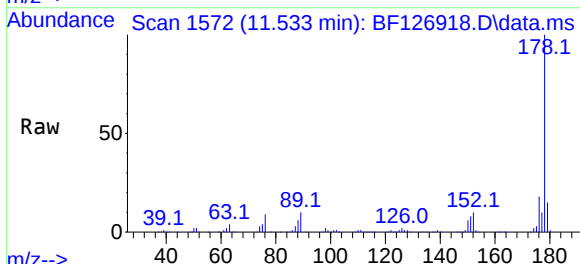
Manual Integrations
APPROVED

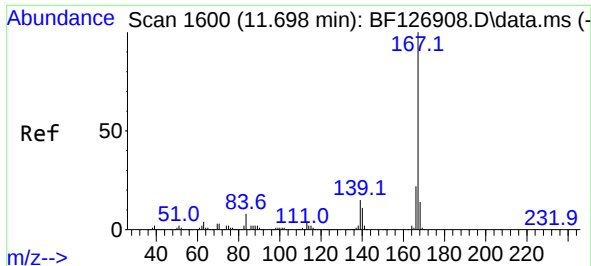
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#72
Anthracene
Concen: 10.288 ng
RT: 11.533 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

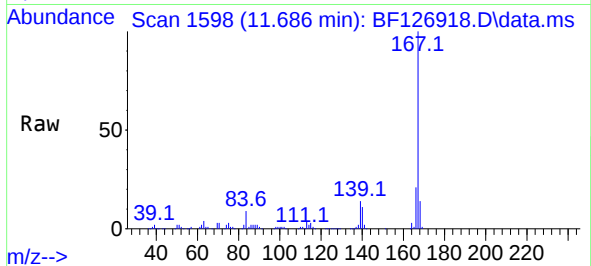
Tgt Ion:178 Resp: 238677
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.1 12.5 18.7





#73
 Carbazole
 Concen: 9.624 ng
 RT: 11.686 min Scan# 1598
 Delta R.T. -0.012 min
 Lab File: BF126918.D
 Acq: 16 Feb 2022 18:06

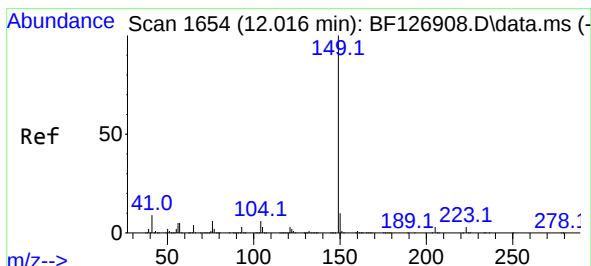
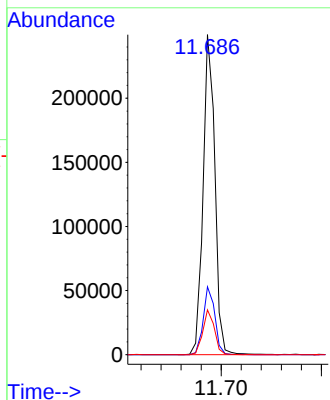
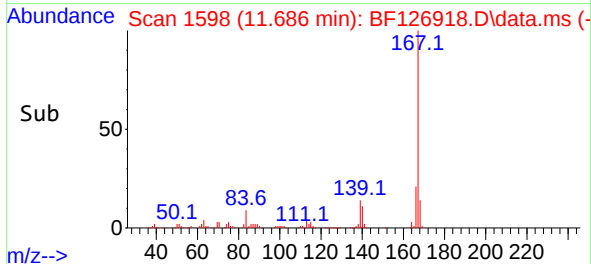
Instrument : BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



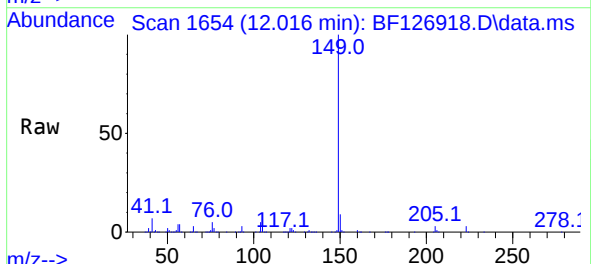
Tgt Ion:167 Resp: 204750
 Ion Ratio Lower Upper
 167 100
 166 21.2 16.9 25.3
 139 14.0 11.3 16.9

Manual Integrations
 APPROVED

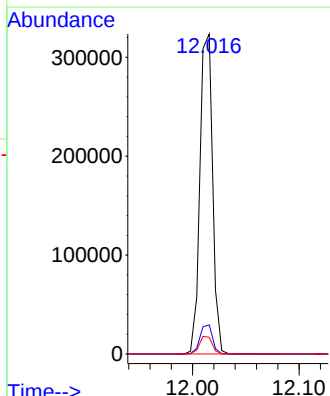
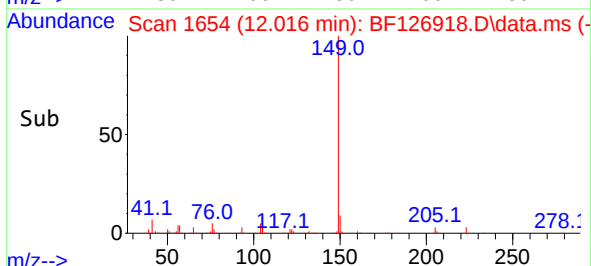
Reviewed By :Christian Giraldo 02/17/2022
 Supervised By :Jagrut Upadhyay 02/17/2022

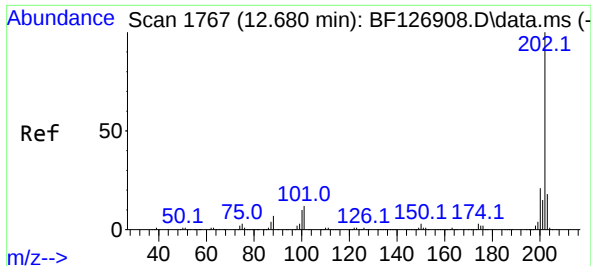


#74
 Di-n-butylphthalate
 Concen: 9.840 ng
 RT: 12.016 min Scan# 1654
 Delta R.T. 0.000 min
 Lab File: BF126918.D
 Acq: 16 Feb 2022 18:06



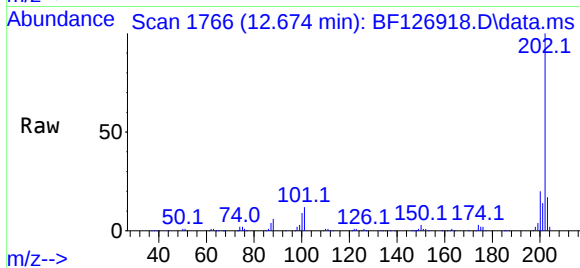
Tgt Ion:149 Resp: 269123
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.2 10.8
 104 5.2 4.2 6.2





#75
Fluoranthene
Concen: 9.986 ng
RT: 12.674 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

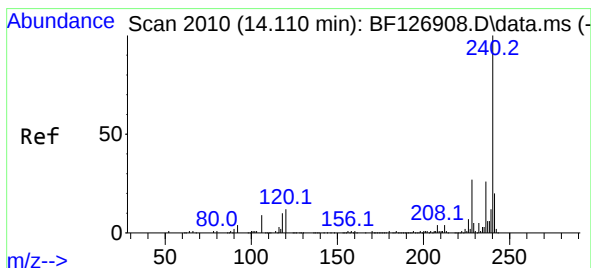
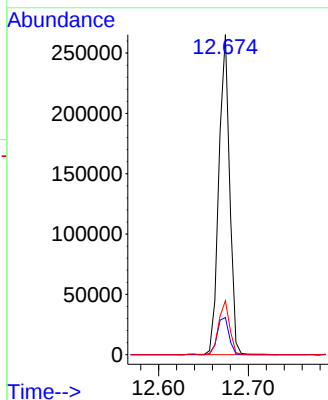
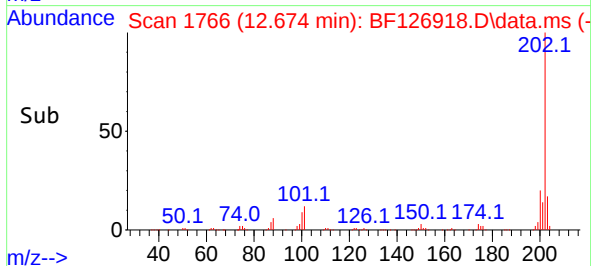
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:202 Resp: 22096
Ion Ratio Lower Upper
202 100
101 11.6 0.0 35.7
203 16.8 0.0 37.1

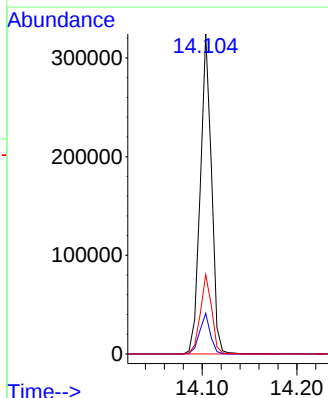
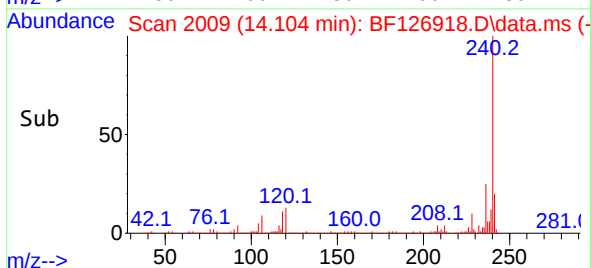
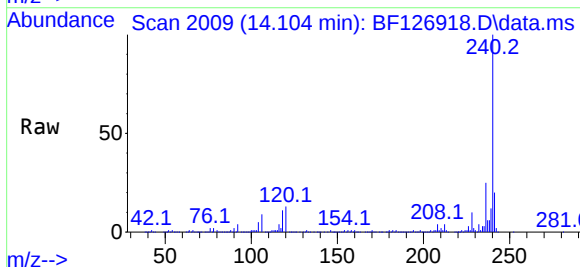
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

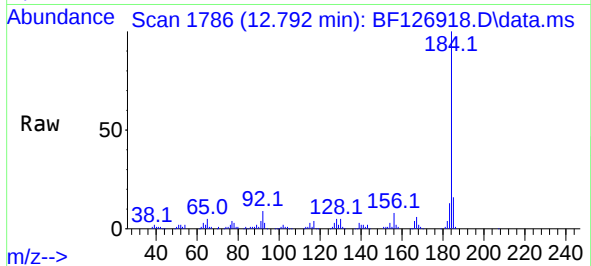
Tgt Ion:240 Resp: 265799
Ion Ratio Lower Upper
240 100
120 12.7 14.4 21.6#
236 24.7 20.5 30.7





#77
Benzidine
Concen: 11.284 ng m
RT: 12.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

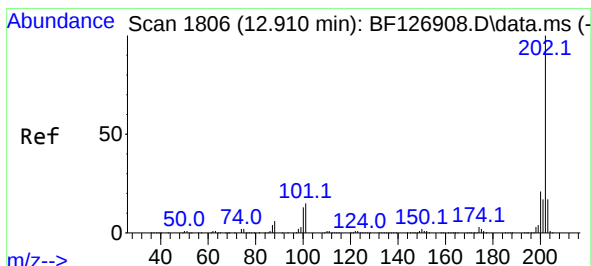
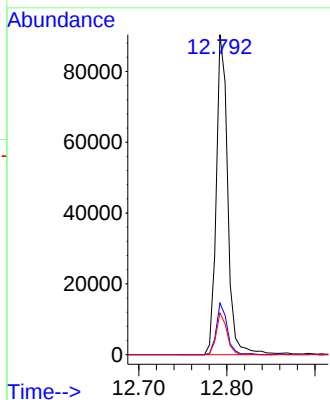
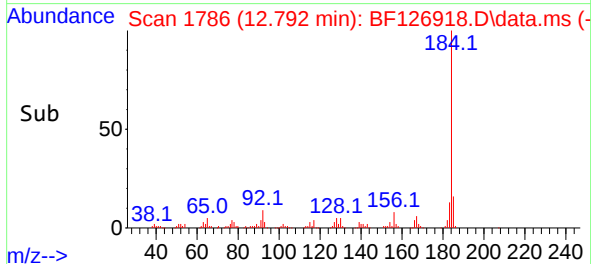
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:184 Resp: 8150
Ion Ratio Lower Upper
184 100
185 16.1 11.8 17.8
183 13.1 8.2 12.2

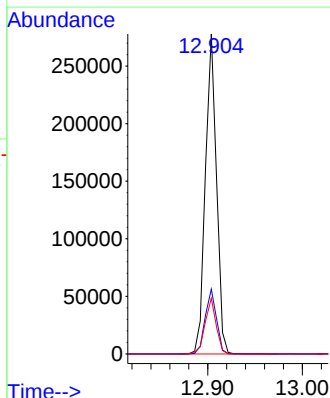
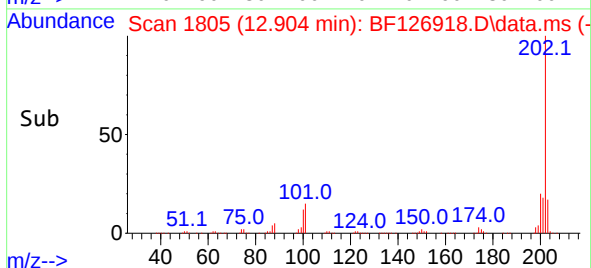
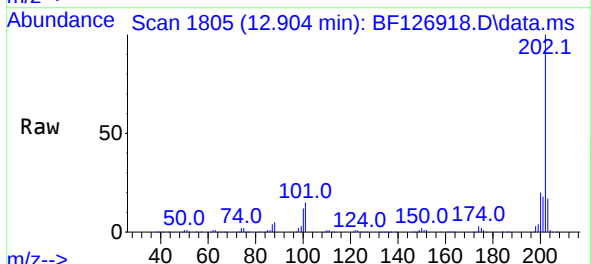
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022



#78
Pyrene
Concen: 9.797 ng
RT: 12.904 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

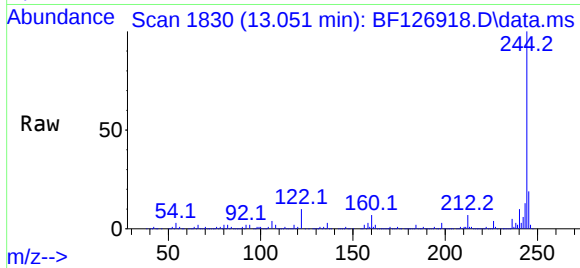
Tgt Ion:202 Resp: 226238
Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 17.4 13.8 20.8





#79
 Terphenyl-d14
 Concen: 68.743 ng
 RT: 13.051 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF126918.D
 Acq: 16 Feb 2022 18:06

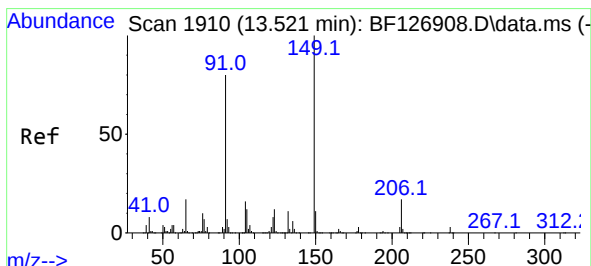
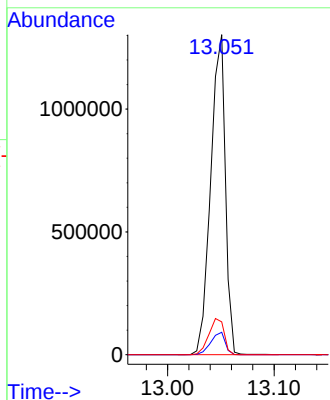
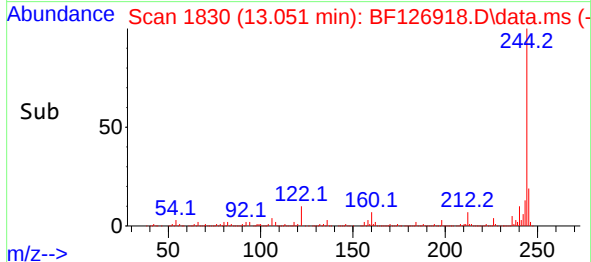
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



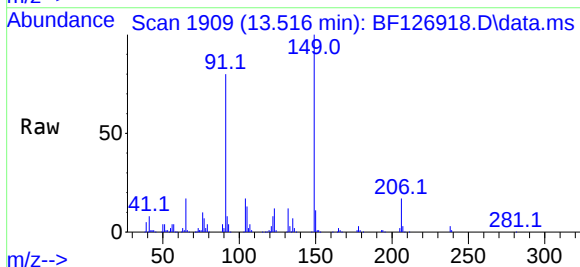
Tgt Ion:244 Resp: 124294
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.0 7.4
 122 10.3 13.3 19.9

Manual Integrations
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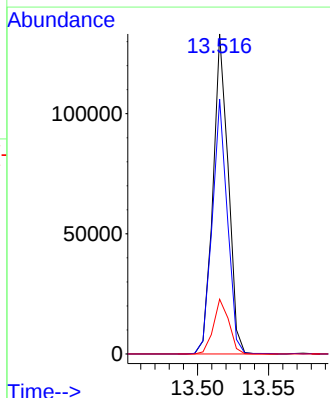
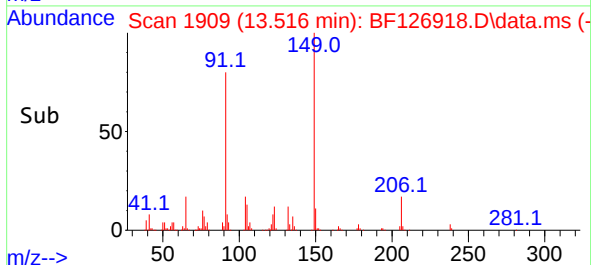
Reviewed By :Christian Giraldo 02/17/2022
 Supervised By :Jagrut Upadhyay 02/17/2022

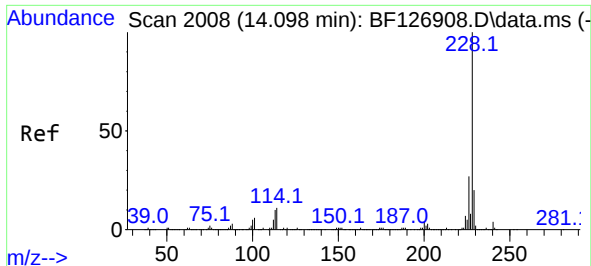


#80
 Butylbenzylphthalate
 Concen: 9.088 ng
 RT: 13.516 min Scan# 1909
 Delta R.T. -0.006 min
 Lab File: BF126918.D
 Acq: 16 Feb 2022 18:06



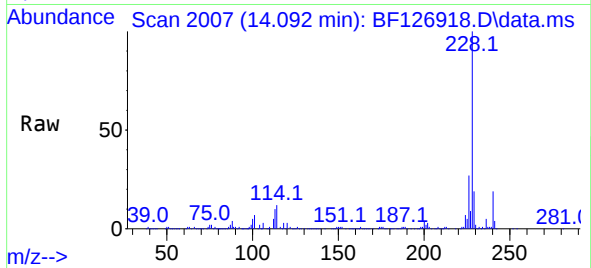
Tgt Ion:149 Resp: 99347
 Ion Ratio Lower Upper
 149 100
 91 79.6 70.5 105.7
 206 17.1 12.6 19.0





#81
Benzo(a)anthracene
Concen: 9.707 ng
RT: 14.092 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

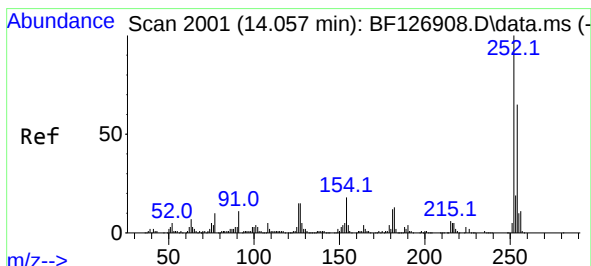
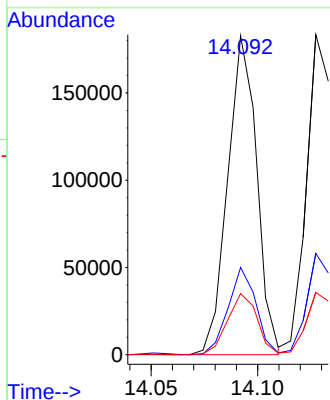
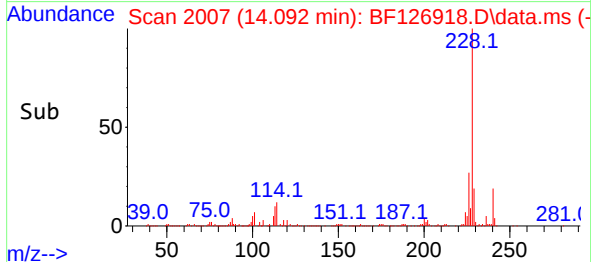
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



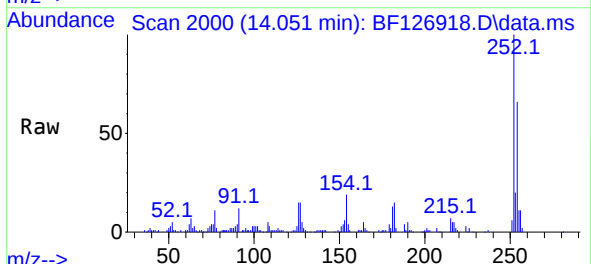
Tgt Ion:228 Resp: 173938
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.0
229 19.2 15.4 23.2

Manual Integrations
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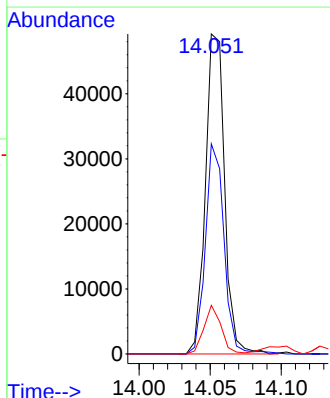
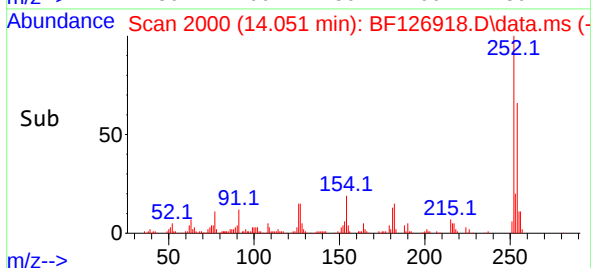
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

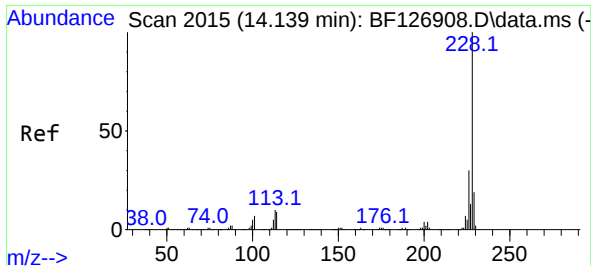


#82
3,3'-Dichlorobenzidine
Concen: 8.182 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



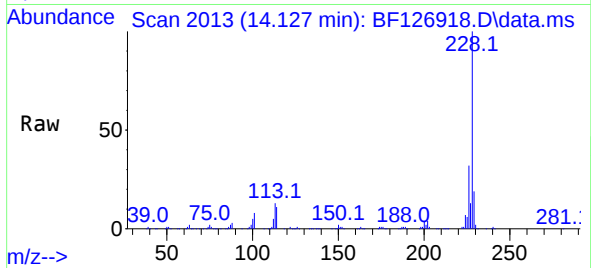
Tgt Ion:252 Resp: 46206
Ion Ratio Lower Upper
252 100
254 65.7 51.0 76.4
126 15.2 13.4 20.0





#83
Chrysene
Concen: 9.562 ng
RT: 14.127 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

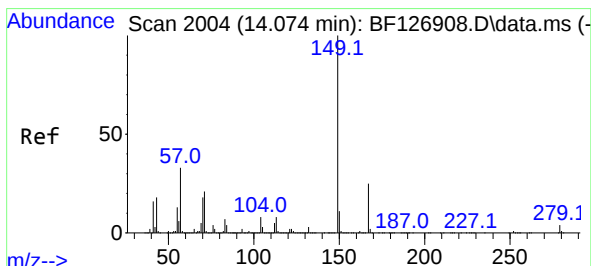
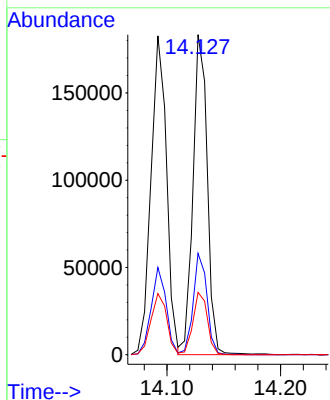
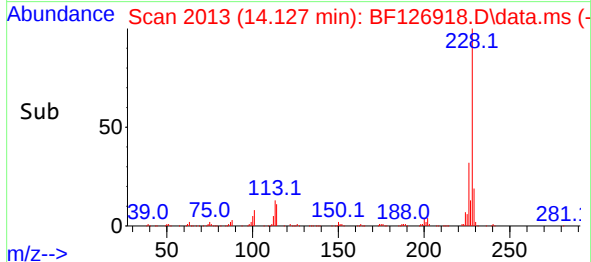
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2021



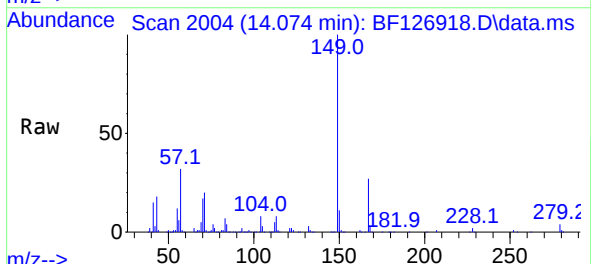
Tgt Ion:228 Resp: 161125
Ion Ratio Lower Upper
228 100
226 31.6 23.7 35.5
229 19.5 15.5 23.3

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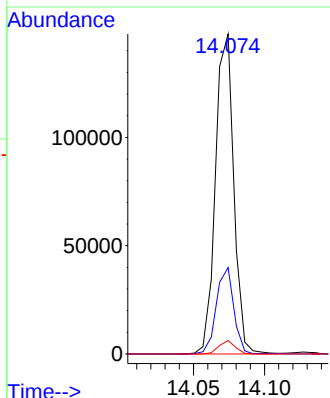
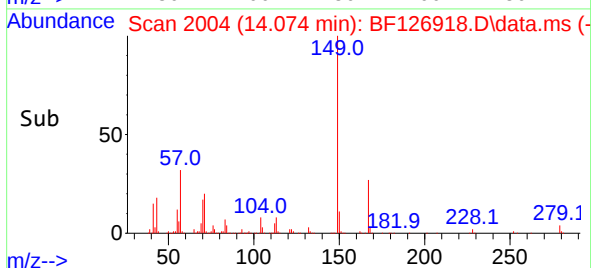
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

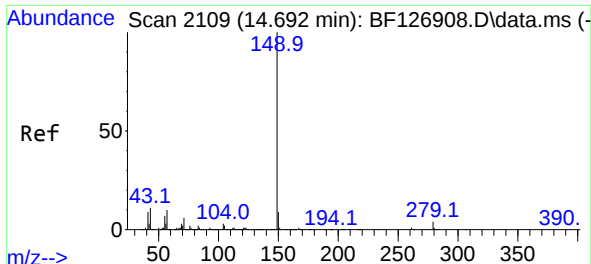


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.222 ng
RT: 14.074 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



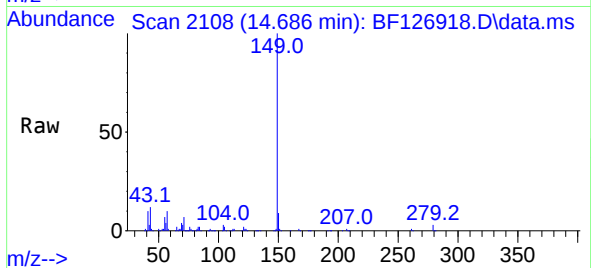
Tgt Ion:149 Resp: 132355
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.2
279 4.2 2.4 3.6





#85
Di-n-octyl phthalate
Concen: 9.230 ng
RT: 14.686 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

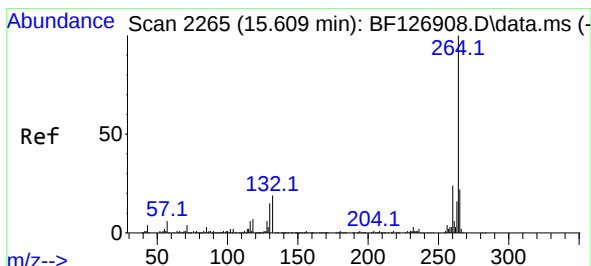
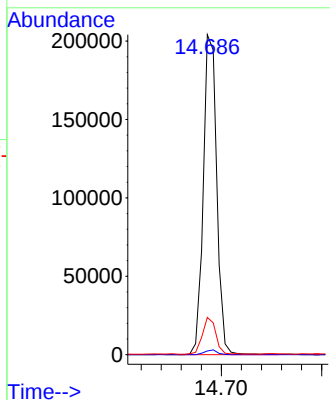
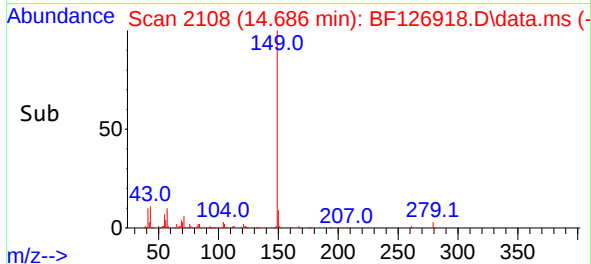
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



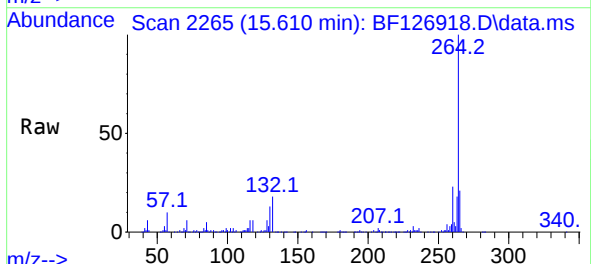
Tgt Ion:149 Resp: 190731
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 11.4 9.9 14.9

Manual Integrations
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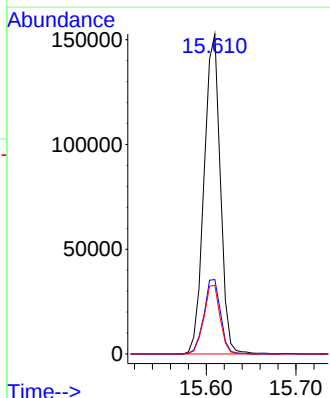
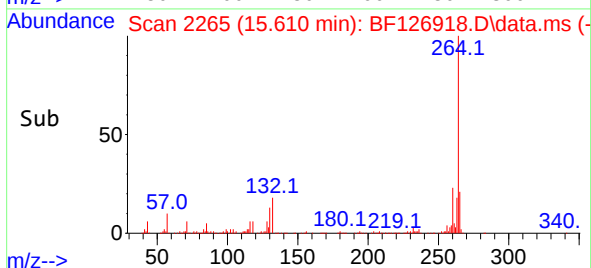
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

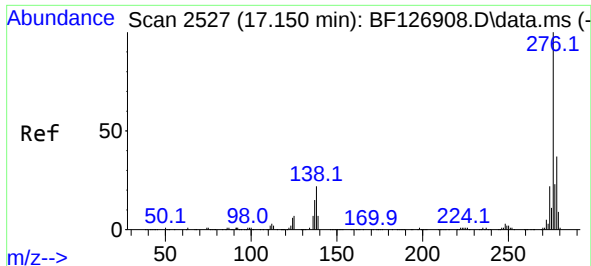


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.610 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



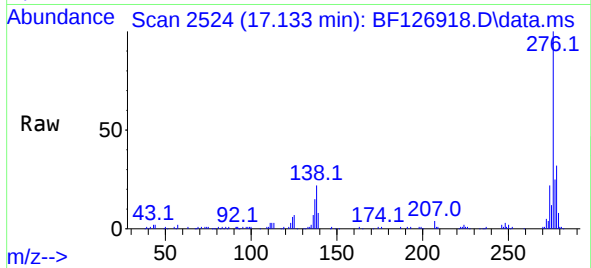
Tgt Ion:264 Resp: 191776
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.4 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.198 ng
RT: 17.133 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

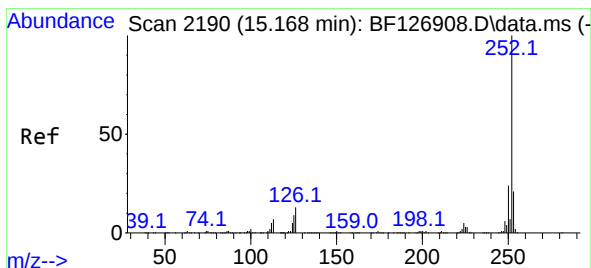
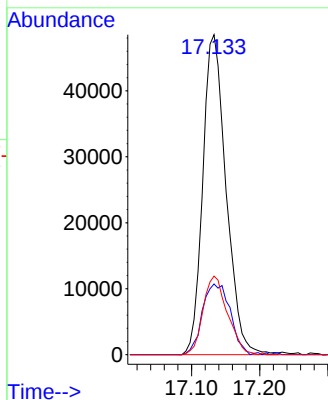
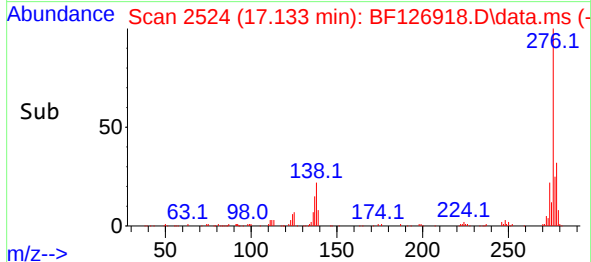
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2021



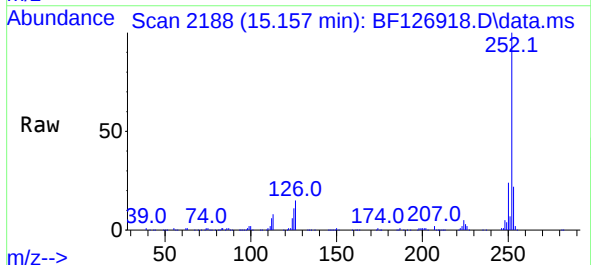
Tgt Ion:276 Resp: 115669
Ion Ratio Lower Upper
276 100
138 26.4 29.2 43.8
277 25.7 19.8 29.8

Manual Integrations
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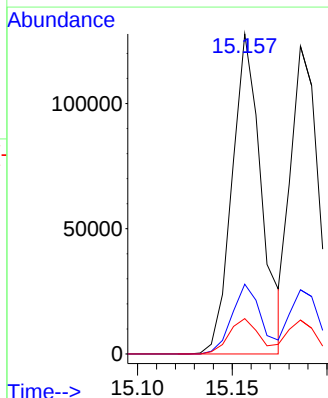
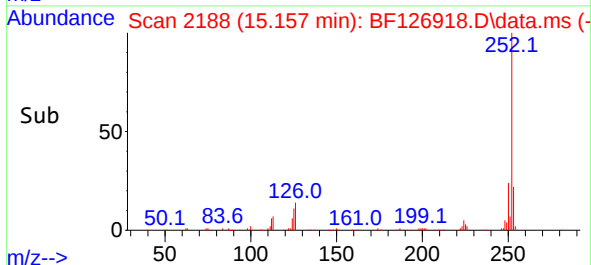
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

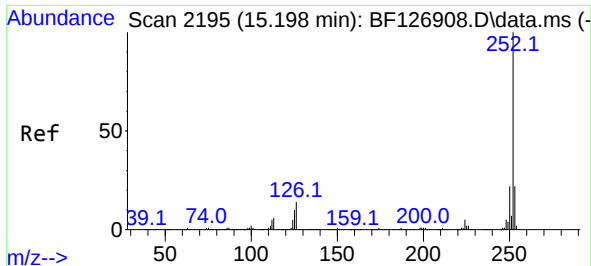


#88
Benzo(b)fluoranthene
Concen: 10.703 ng
RT: 15.157 min Scan# 2188
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



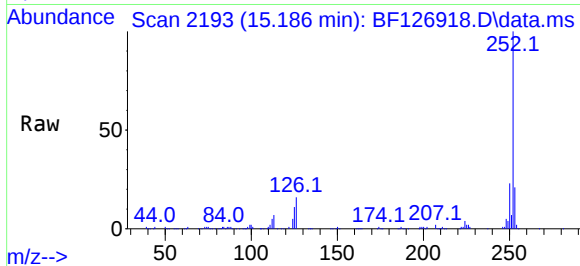
Tgt Ion:252 Resp: 137864
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 11.0 12.4 18.6





#89
Benzo(k)fluoranthene
Concen: 10.144 ng
RT: 15.186 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

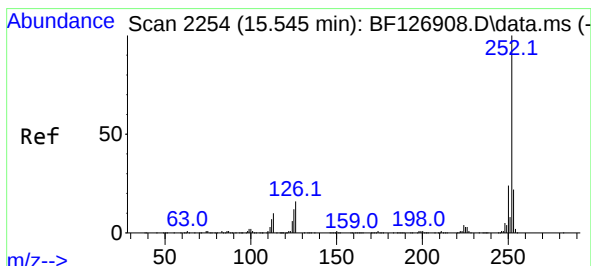
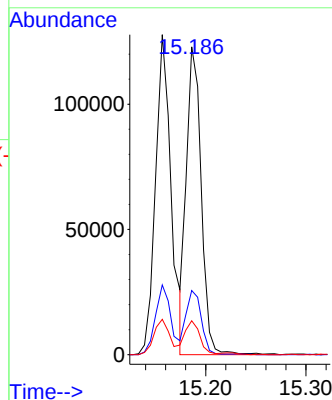
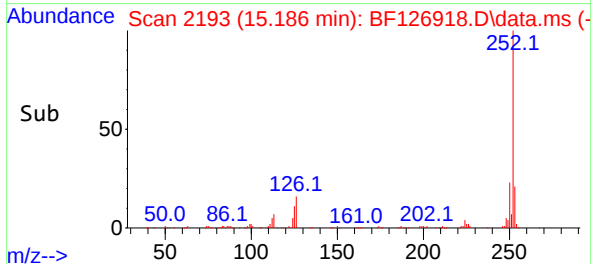
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



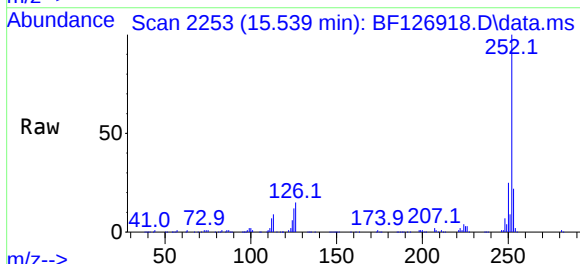
Tgt Ion:252 Resp: 126020
Ion Ratio Lower Upper
252 100
253 20.9 17.5 26.3
125 11.0 11.8 17.6

Manual Integrations
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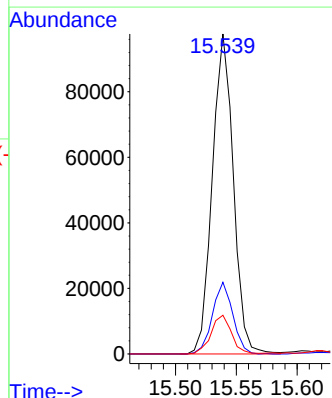
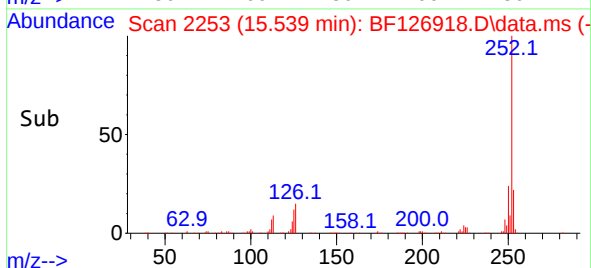
Reviewed By :Christian Giraldo 02/17/2022
Supervised By :Jagrut Upadhyay 02/17/2022

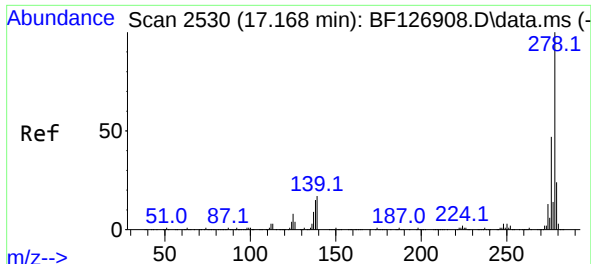


#90
Benzo(a)pyrene
Concen: 11.687 ng
RT: 15.539 min Scan# 2253
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



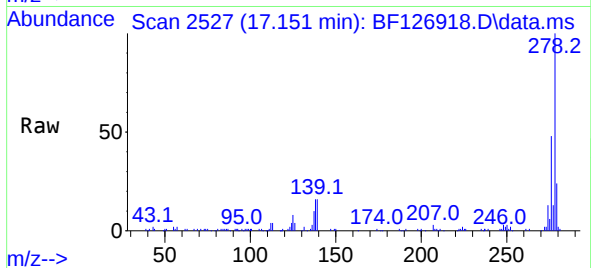
Tgt Ion:252 Resp: 117579
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 12.1 13.0 19.6





#91
Dibenzo(a,h)anthracene
Concen: 9.608 ng
RT: 17.151 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

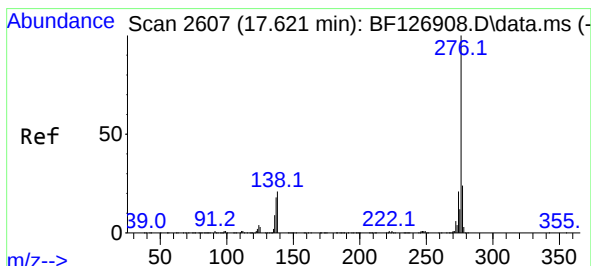
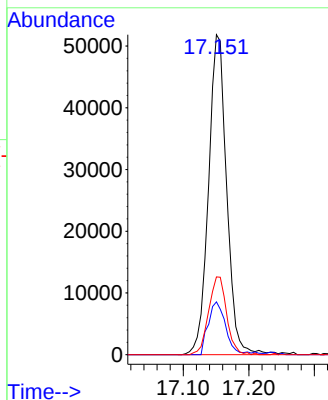
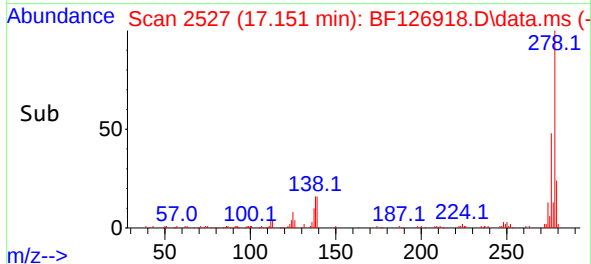
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021



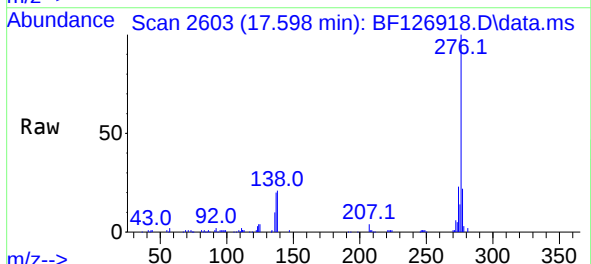
Tgt Ion: 278 Resp: 99920
Ion Ratio Lower Upper
278 100
139 16.5 18.0 27.0
279 24.3 18.6 27.8

Manual Integrations
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Reviewed By : Christian Giraldo 02/17/2022
Supervised By : Jagrut Upadhyay 02/17/2022



#92
Benzo(g,h,i)perylene
Concen: 9.369 ng
RT: 17.598 min Scan# 2603
Delta R.T. -0.023 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06



Tgt Ion: 276 Resp: 96060
Ion Ratio Lower Upper
276 100
277 21.9 18.5 27.7
138 21.2 25.9 38.9

