

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

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

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	9.198	196	41453	9.288	ng	97
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	12263	6.892	ng	# 90
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	13.051	184	19323	2.675	ng	97
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

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

Abundance

TIC: BF126918.D\data.ms

Time-->

1,4-Dioxane

N,N-Dimethylethylenediamine

2-Fluorophenol,S

Phenol-d6,S

Nitrobenzene-d5,S

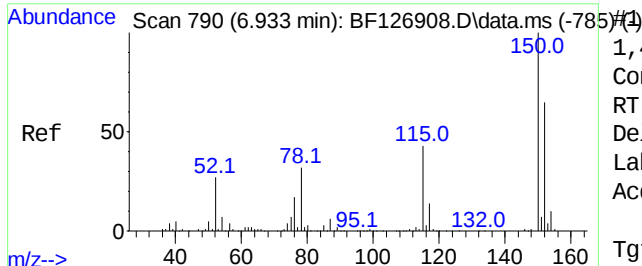
2,4,6-Tribromophenol,S

Benzophenone-d14,S

2,3-Dichlorobenzophenone-d12,I

Indene(1,2,3-b)pyrene

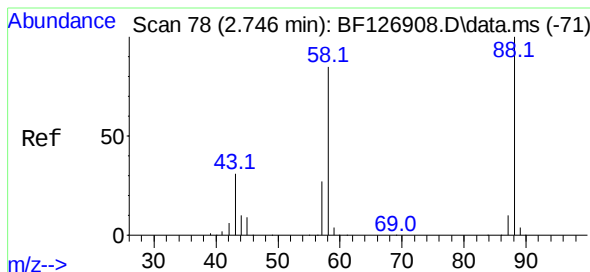
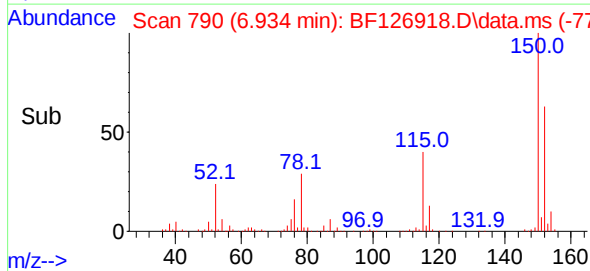
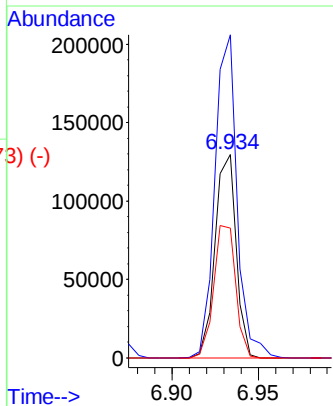
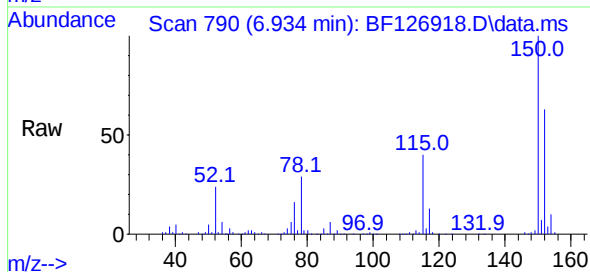
Benzo(g,h,i)perylene



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

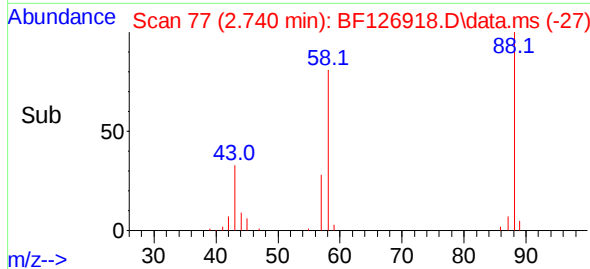
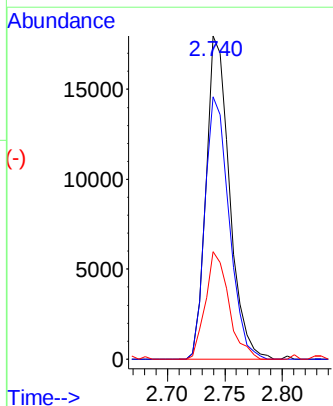
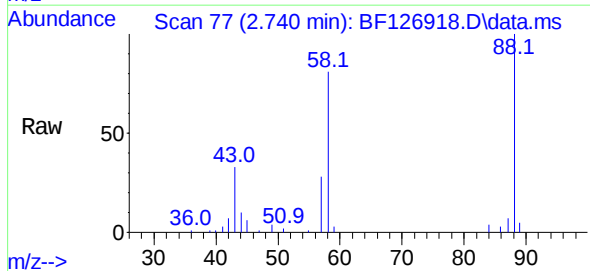
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

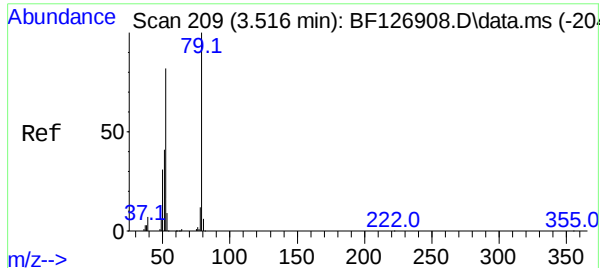
Tgt Ion:	152	Resp:	111332
Ion	Ratio	Lower	Upper
152	100		
150	158.6	128.1	192.1
115	63.7	56.7	85.1



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





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

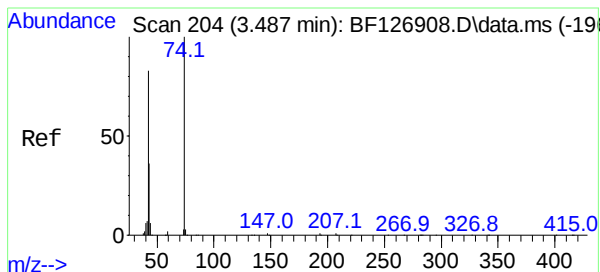
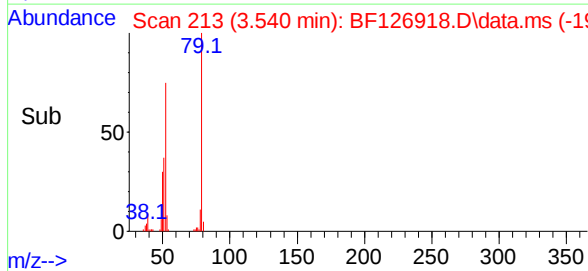
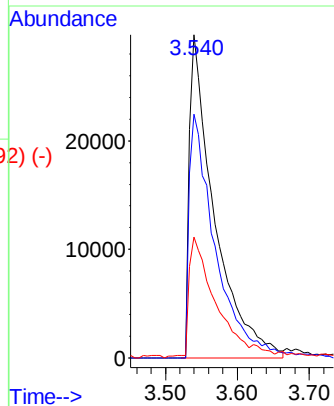
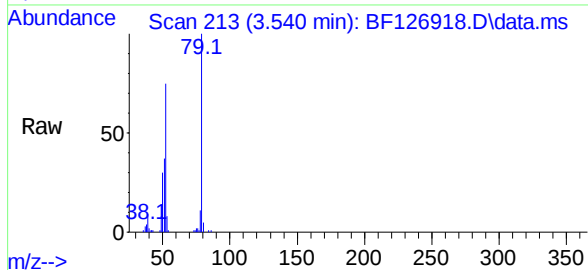
Tgt Ion: 79 Resp: 71136

Ion Ratio Lower Upper

79 100

52 75.4 56.2 84.4

51 37.4 26.7 40.1



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

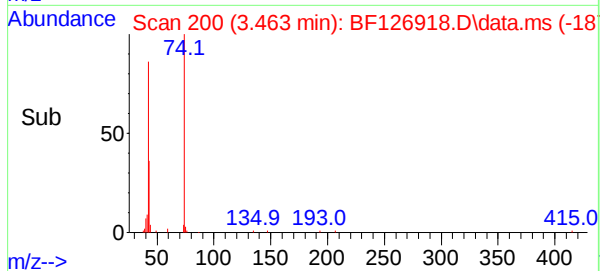
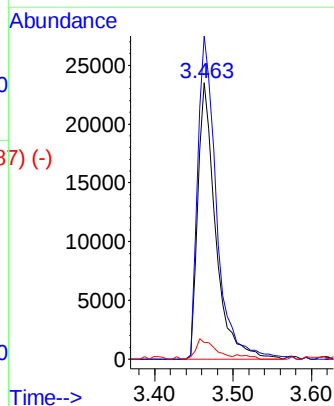
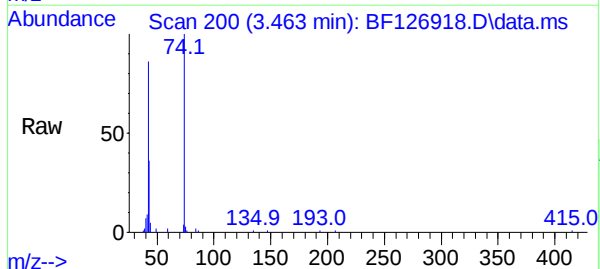
Tgt Ion: 42 Resp: 37151

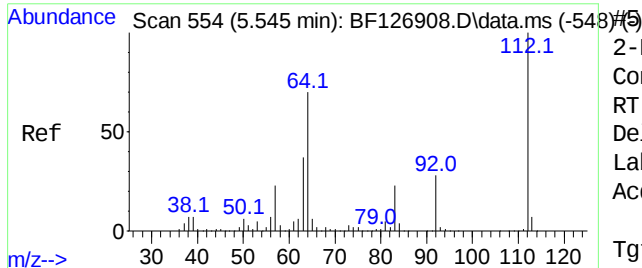
Ion Ratio Lower Upper

42 100

74 116.8 125.6 188.4#

44 5.9 5.7 8.5





2-Fluorophenol

Concen: 101.576 ng

RT: 5.545 min Scan# 5

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

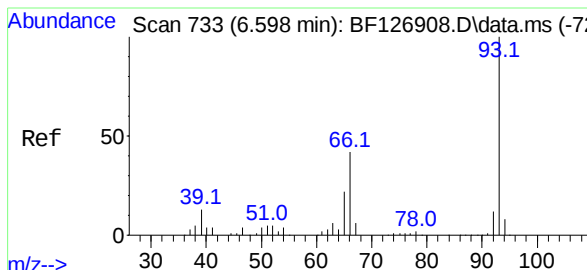
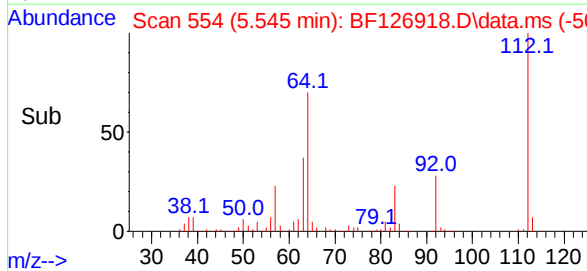
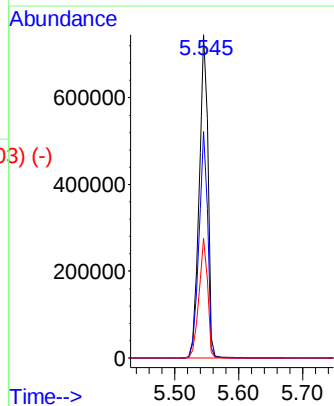
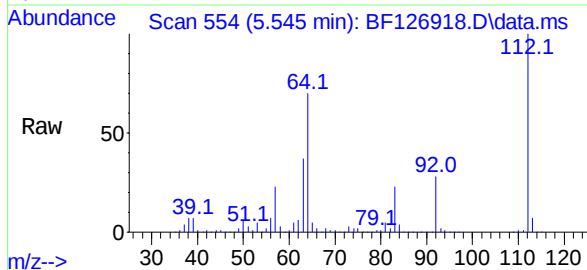
Tgt Ion:112 Resp: 731678

Ion Ratio Lower Upper

112 100

64 70.1 49.5 74.3

63 37.1 23.9 35.9#



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

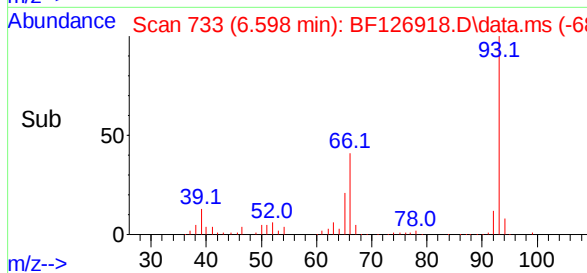
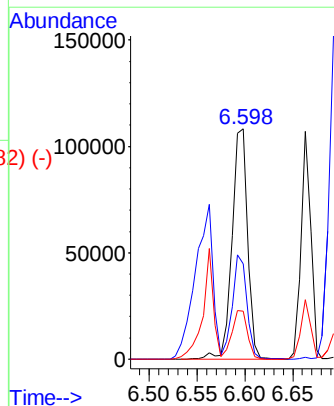
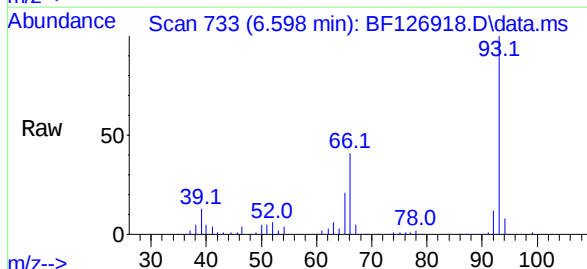
Tgt Ion: 93 Resp: 122364

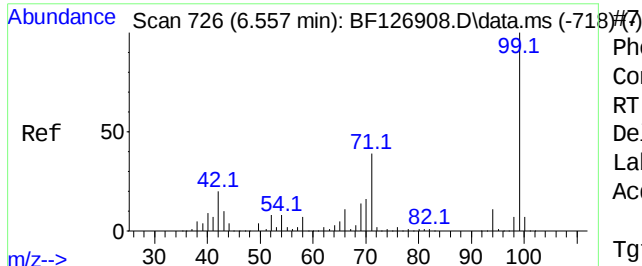
Ion Ratio Lower Upper

93 100

66 41.4 32.2 48.4

65 20.9 16.3 24.5





Phenol-d6

Concen: 103.122 ng

RT: 6.551 min Scan#

Delta R.T. -0.006 min

Lab File: BF126918.D

Acq: 16 Feb 2022 18:06

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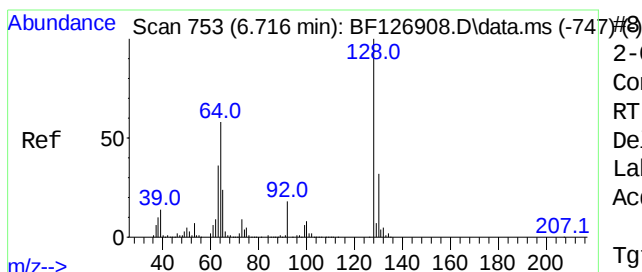
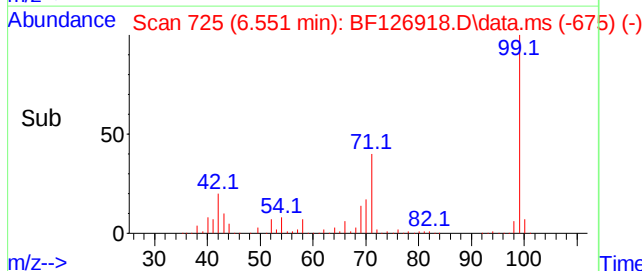
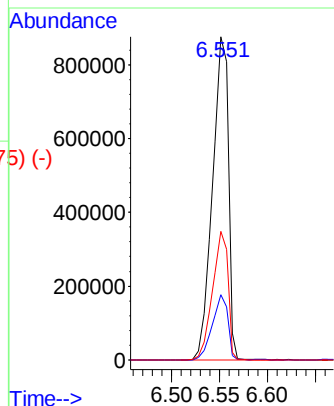
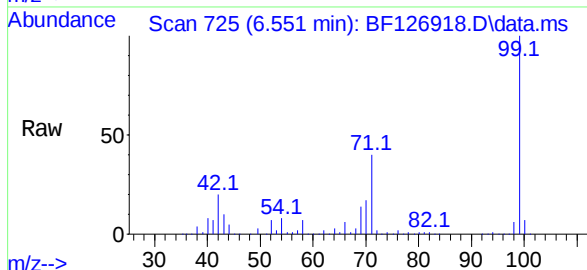
Tgt Ion: 99 Resp: 1002326

Ion Ratio Lower Upper

99 100

42 20.2 14.2 21.4

71 39.8 24.3 36.5#



2-Chlorophenol

Concen: 9.750 ng

RT: 6.716 min Scan# 753

Delta R.T. 0.000 min

Lab File: BF126918.D

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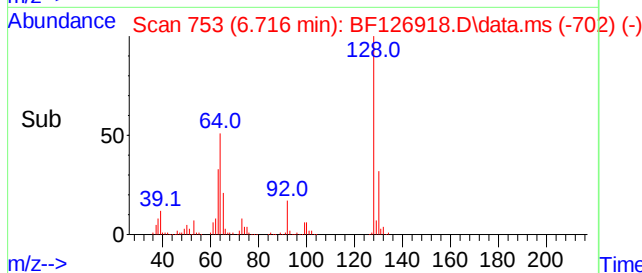
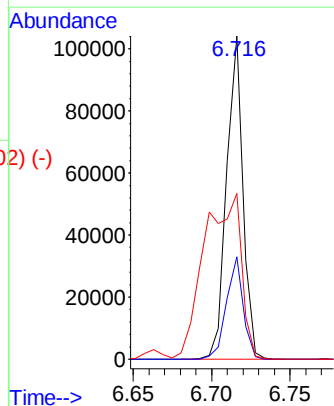
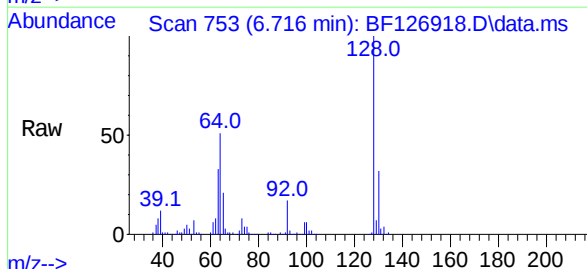
Tgt Ion:128 Resp: 75354

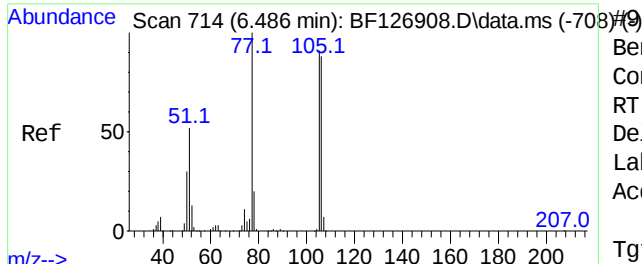
Ion Ratio Lower Upper

128 100

130 31.6 12.7 52.7

64 51.3 35.6 75.6





Benzaldehyde

Concen: 11.393 ng

RT: 6.487 min Scan#

Delta R.T. 0.000 min

Lab File: BF126918.D

Acq: 16 Feb 2022 18:06

Instrument :

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ClientSampleId :

LOQ-SOIL-02-QT4-2021

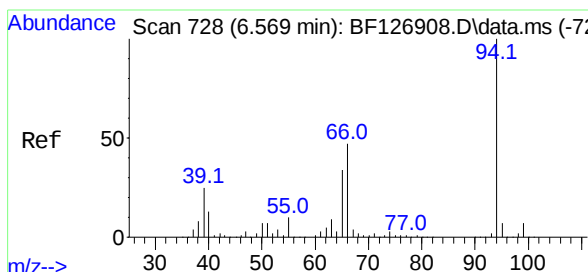
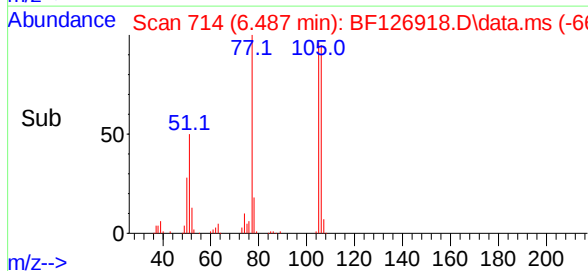
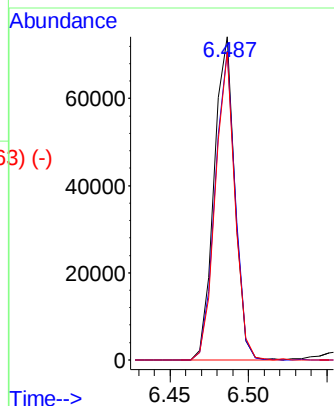
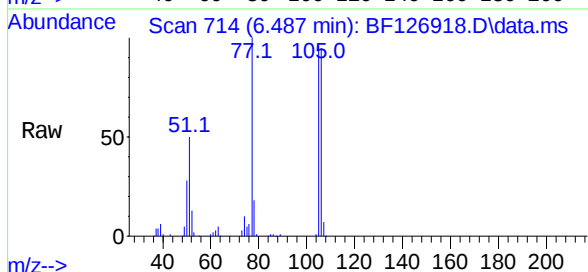
Tgt Ion: 77 Resp: 67406

Ion Ratio Lower Upper

77 100

105 95.7 74.9 114.9

106 95.2 72.4 112.4



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

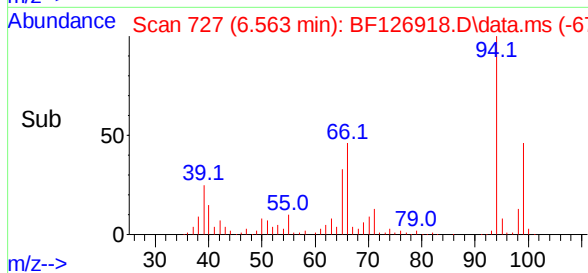
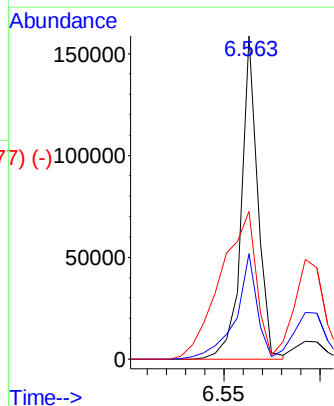
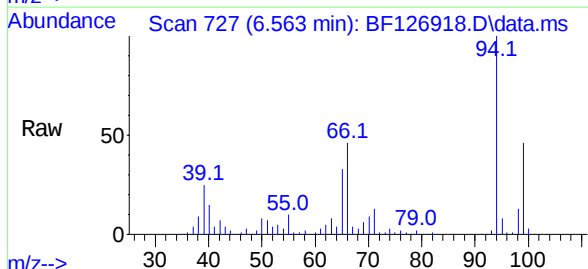
Tgt Ion: 94 Resp: 93727

Ion Ratio Lower Upper

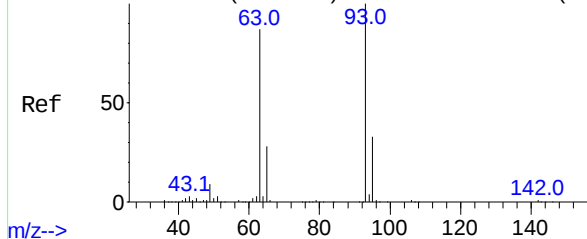
94 100

65 32.7 7.2 47.2

66 45.8 14.5 54.5



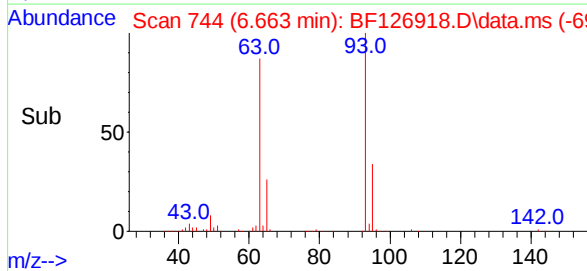
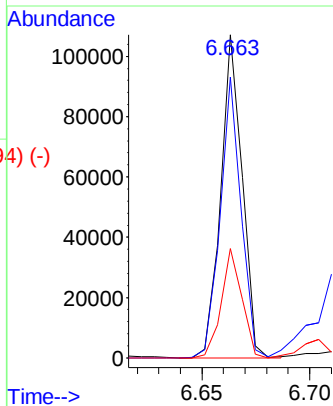
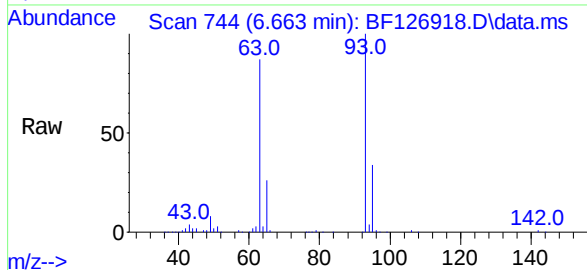
Abundance Scan 745 (6.669 min): BF126908.D\data.ms (-741) #1



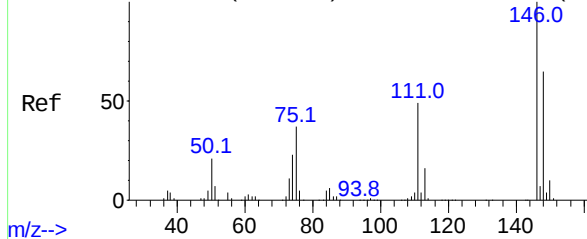
bis(2-Chloroethyl)ether
Concen: 9.707 ng
RT: 6.663 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

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

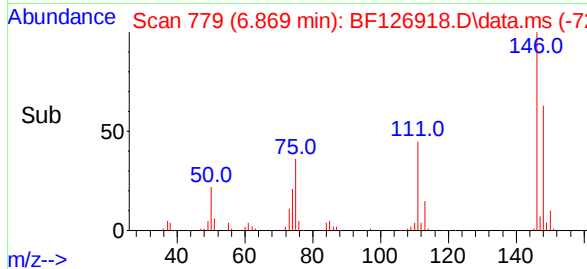
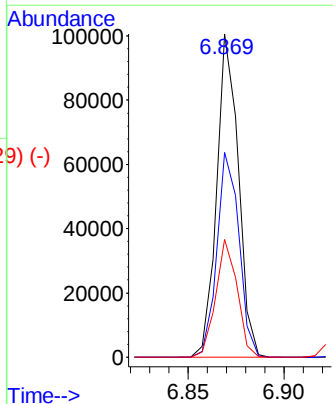
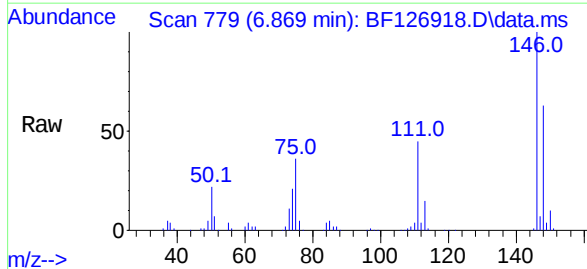


Abundance Scan 780 (6.875 min): BF126908.D\data.ms (-775) #12

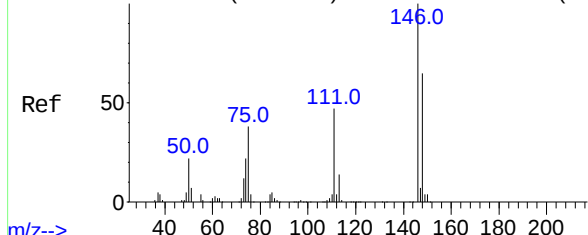


1,3-Dichlorobenzene
Concen: 9.509 ng
RT: 6.869 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

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



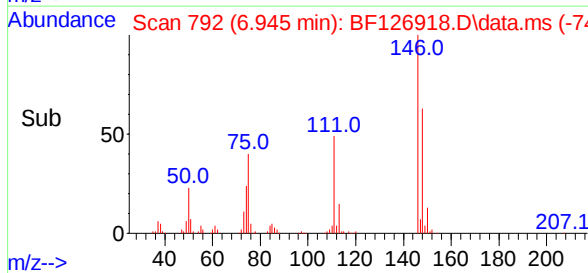
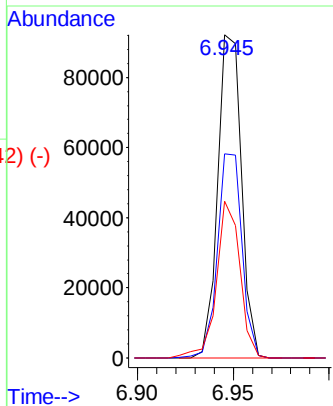
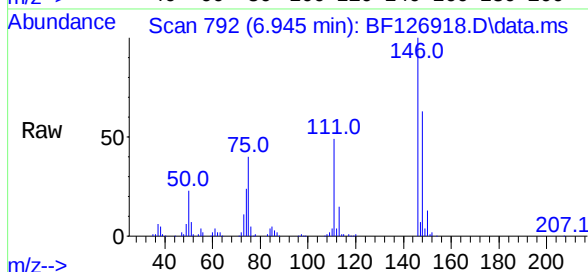
Abundance Scan 793 (6.951 min): BF126908.D\data.ms (-788) #13



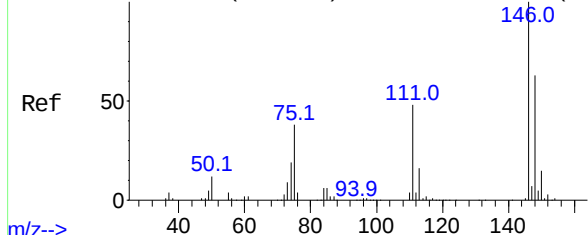
1,4-Dichlorobenzene
Concen: 9.420 ng
RT: 6.945 min Scan#
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

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

Tgt Ion:146 Resp: 79622
Ion Ratio Lower Upper
146 100
148 63.1 49.8 74.6
111 48.5 36.1 54.1

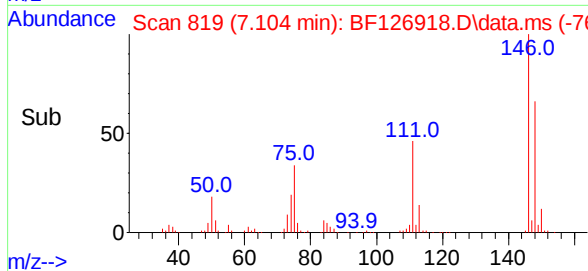
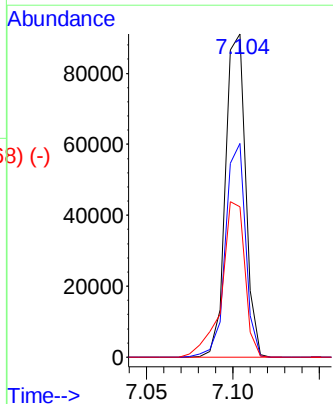
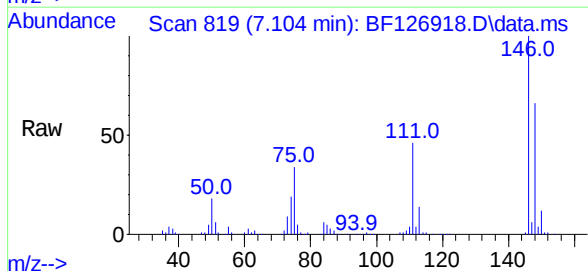


Abundance Scan 819 (7.104 min): BF126908.D\data.ms (-813) #14

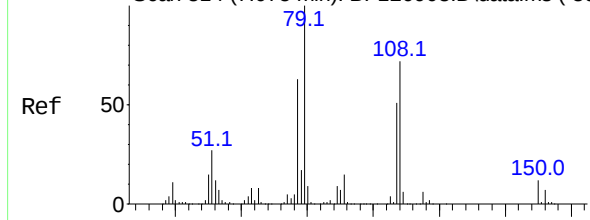


1,2-Dichlorobenzene
Concen: 9.298 ng
RT: 7.104 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

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



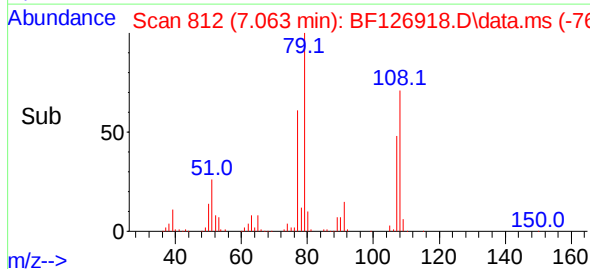
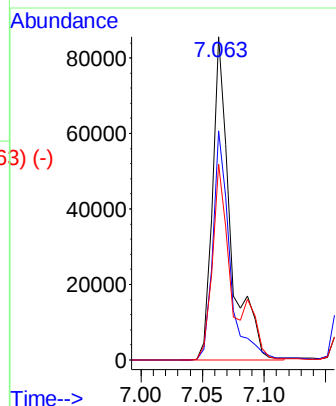
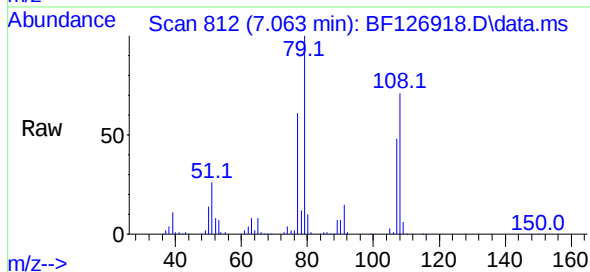
Abundance Scan 814 (7.075 min): BF126908.D\data.ms (-807) #15



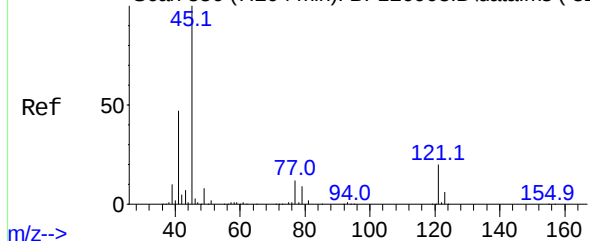
Benzyl Alcohol
Concen: 10.628 ng
RT: 7.063 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

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

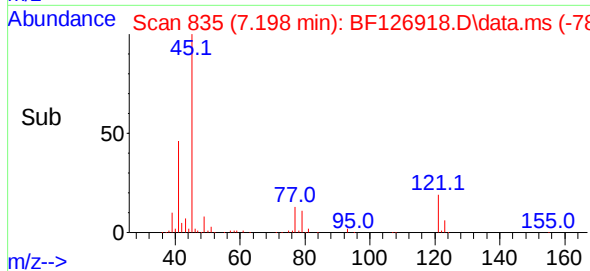
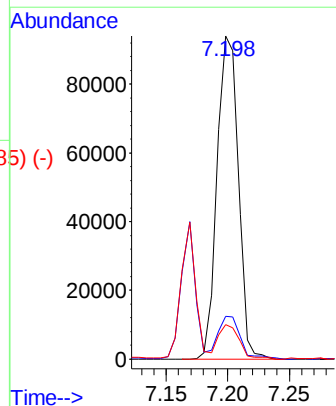
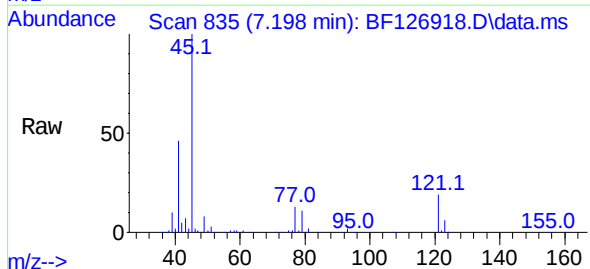


Abundance Scan 836 (7.204 min): BF126908.D\data.ms (-828) #16

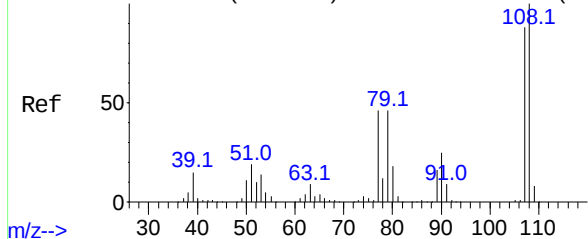


2,2'-oxybis(1-Chloropropane)
Concen: 9.371 ng
RT: 7.198 min Scan# 835
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

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



Abundance Scan 831 (7.175 min): BF126908.D\data.ms (-826) #17



2-Methylphenol

Concen: 9.961 ng

RT: 7.169 min Scan# 817

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

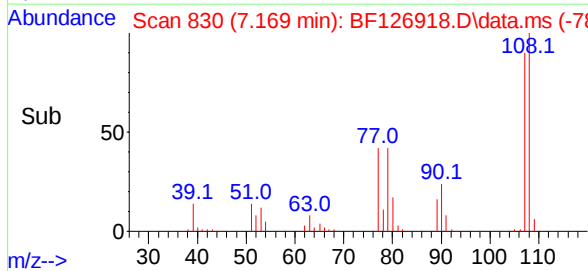
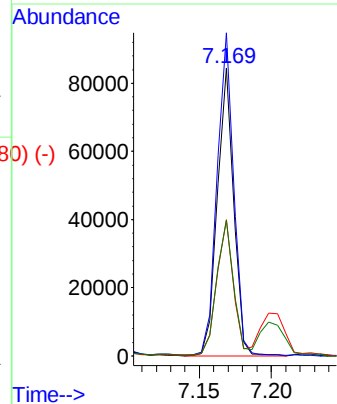
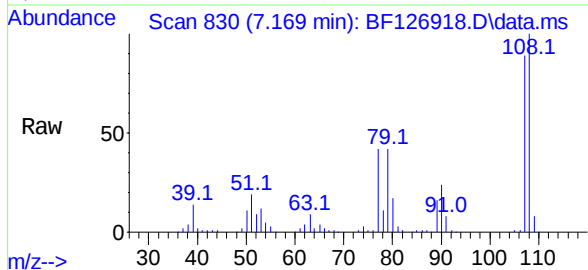
Ion Ratio Lower Upper

107 100

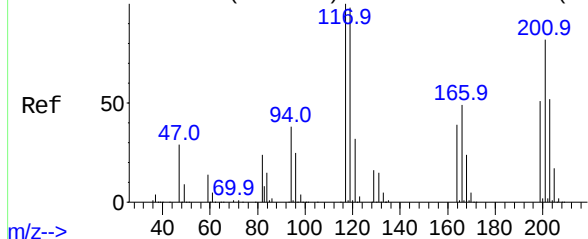
108 112.2 93.4 140.0

77 47.4 36.1 54.1

79 47.2 34.9 52.3



Abundance Scan 877 (7.445 min): BF126908.D\data.ms (-872) #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

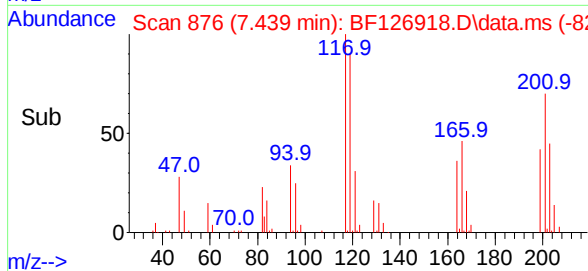
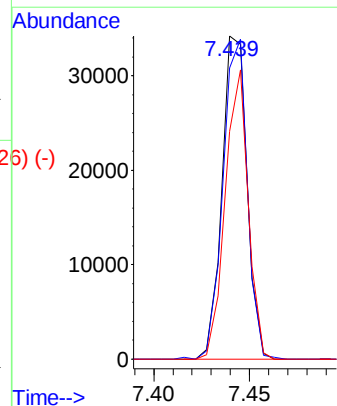
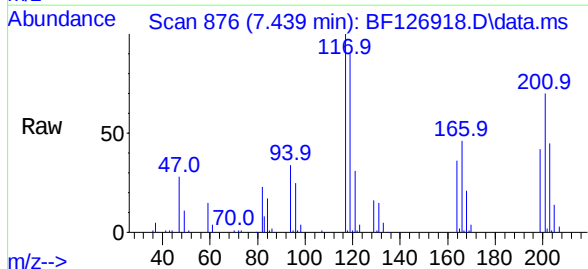
Tgt Ion:117 Resp: 31066

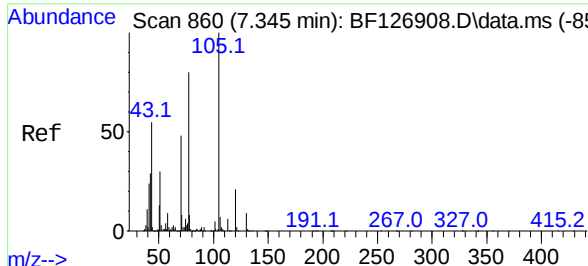
Ion Ratio Lower Upper

117 100

119 90.2 75.4 113.0

201 70.5 56.8 85.2

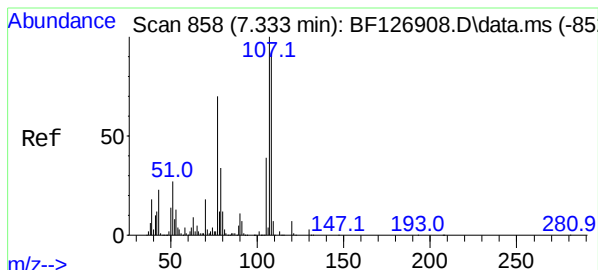
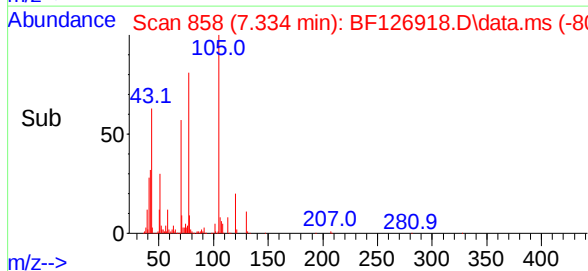
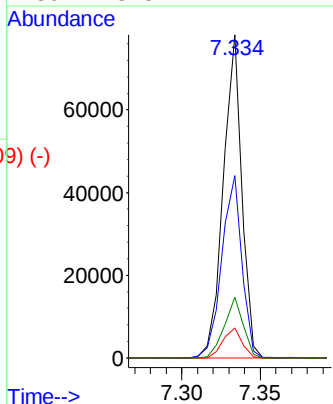
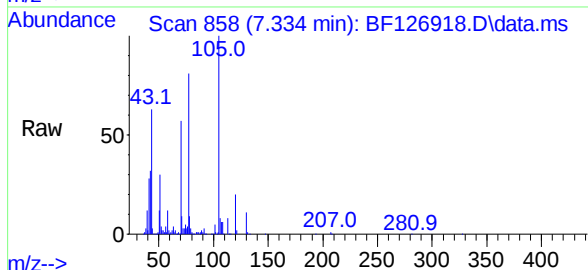




#19
n-Nitroso-di-n-propylamine
Concen: 10.220 ng
RT: 7.334 min Scan# 858
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

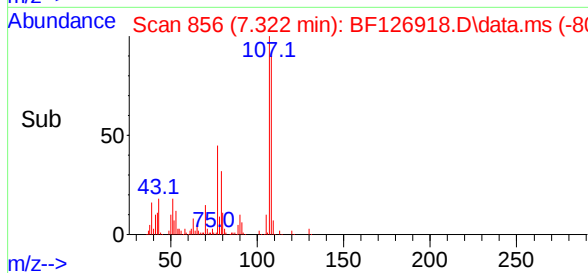
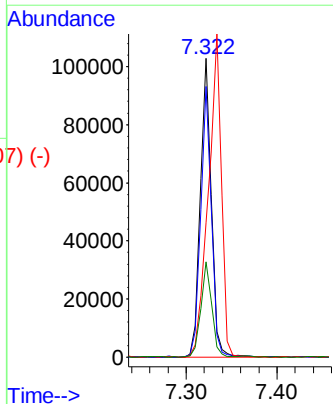
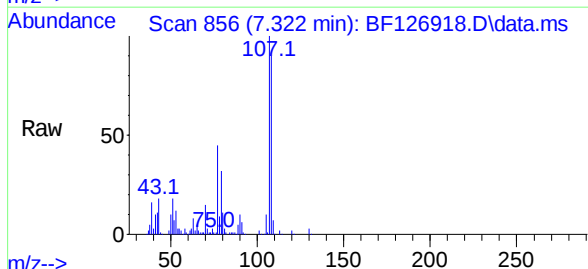
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:	70	Resp:	64012
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



#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



Abundance Scan 1008 (8.216 min): BF126908.D\data.ms (-10621)

Naphthalene-d8

Concen: 20.000 ng

RT: 8.216 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF126918.D

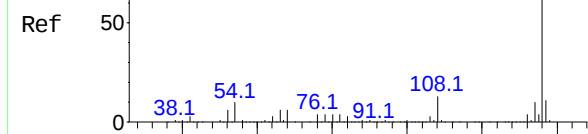
Acq: 16 Feb 2022 18:06

Instrument :

BNA_F

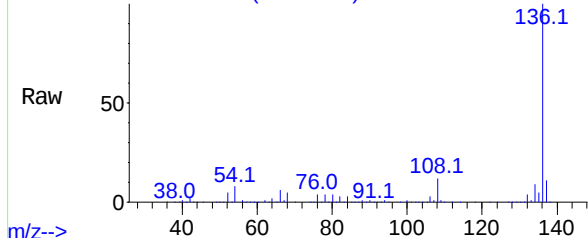
ClientSampleId :

LOQ-SOIL-02-QT4-2021



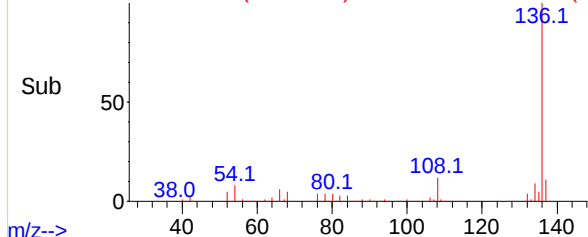
m/z-->

Abundance Scan 1008 (8.216 min): BF126918.D\data.ms



m/z-->

Abundance Scan 1008 (8.216 min): BF126918.D\data.ms (-957) (-)



m/z-->

Tgt Ion:136 Resp: 443809

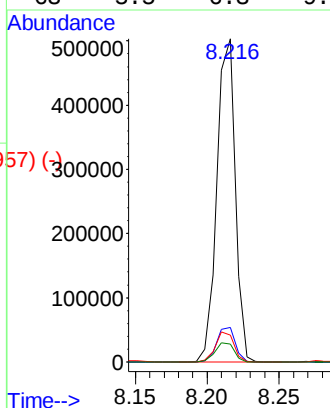
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 8.3 7.8 11.6

68 5.5 6.3 9.5#



Abundance Scan 860 (7.345 min): BF126908.D\data.ms (-85372)

Acetophenone

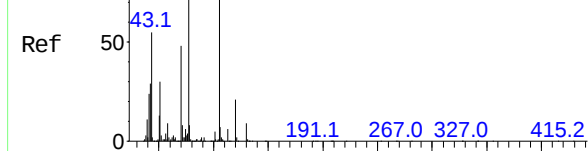
Concen: 8.834 ng

RT: 7.334 min Scan# 858

Delta R.T. -0.012 min

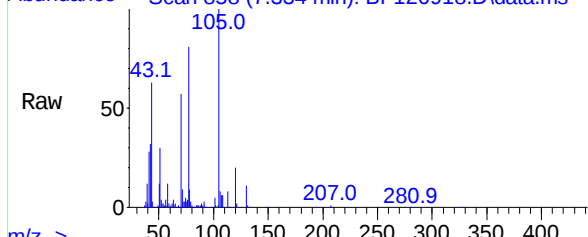
Lab File: BF126918.D

Acq: 16 Feb 2022 18:06



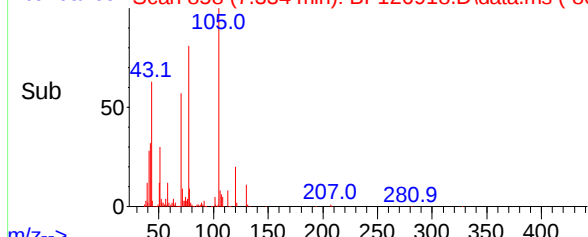
m/z-->

Abundance Scan 858 (7.334 min): BF126918.D\data.ms



m/z-->

Abundance Scan 858 (7.334 min): BF126918.D\data.ms (-809) (-)



m/z-->

Tgt Ion:105 Resp: 103226

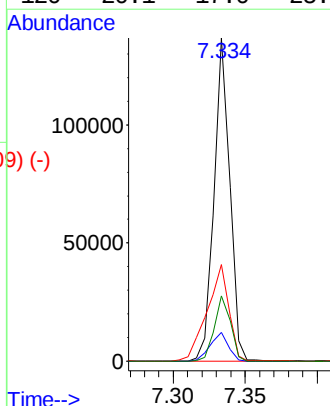
Ion Ratio Lower Upper

105 100

71 8.8 5.4 8.0#

51 29.9 27.4 41.0

120 20.1 17.0 25.6



Abundance Scan 886 (7.498 min): BF126908.D\data.ms (-880) #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

Abundance Scan 886 (7.498 min): BF126918.D\data.ms

m/z-->

Ref

54.1 82.1 104.9 128.1 191.1

Raw

54.1 82.1 106.9 128.1

m/z-->

Abundance Scan 886 (7.498 min): BF126918.D\data.ms (-835) (-)

m/z-->

Sub

54.1 82.1 128.1

m/z-->

Abundance

7.498

600000

400000

200000

0

Time-->

Abundance Scan 890 (7.522 min): BF126908.D\data.ms (-881) #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

Abundance Scan 888 (7.510 min): BF126918.D\data.ms

m/z-->

Ref

51.1 77.1 123.1

Raw

51.1 77.1 123.0 147.0 206.9

m/z-->

Abundance Scan 888 (7.510 min): BF126918.D\data.ms (-839) (-)

m/z-->

Sub

51.0 77.0 123.0 147.0 206.9

m/z-->

Abundance

7.510

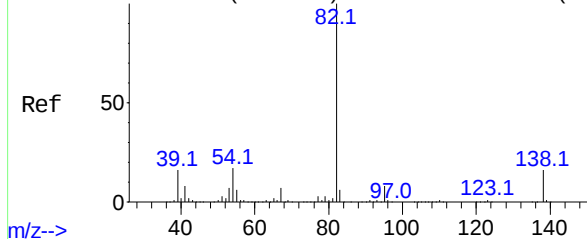
100000

50000

0

Time-->

Abundance Scan 930 (7.757 min): BF126908.D\data.ms (-923) #25



Isophorone

Concen: 10.751 ng

RT: 7.745 min Scan# 928

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

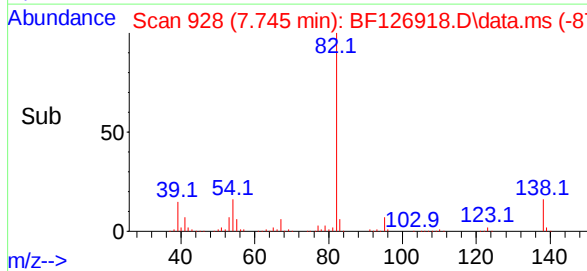
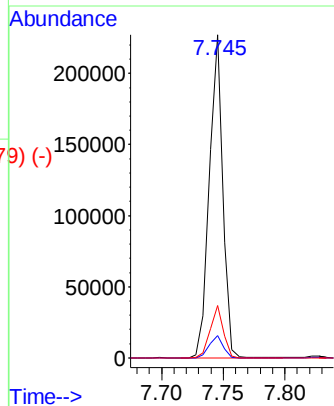
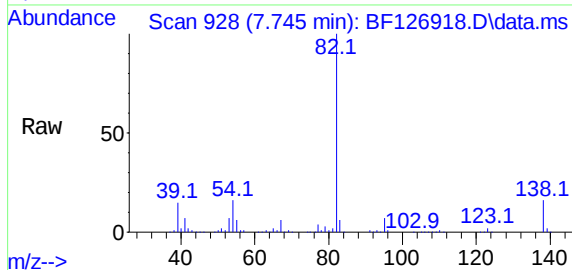
Tgt Ion: 82 Resp: 174922

Ion Ratio Lower Upper

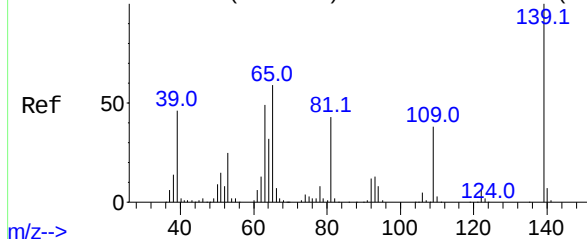
82 100

95 6.9 5.0 7.4

138 16.1 12.3 18.5



Abundance Scan 943 (7.833 min): BF126908.D\data.ms (-937) #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

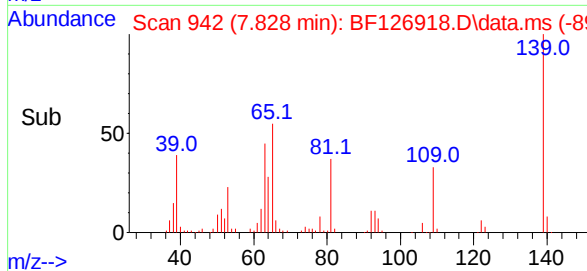
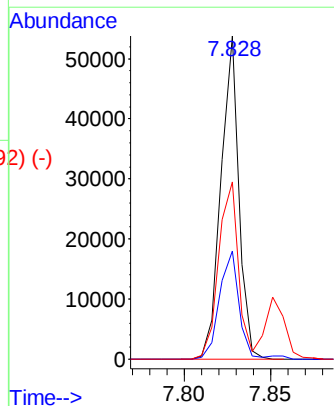
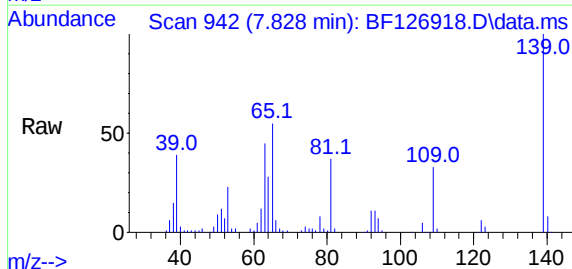
Tgt Ion: 139 Resp: 39281

Ion Ratio Lower Upper

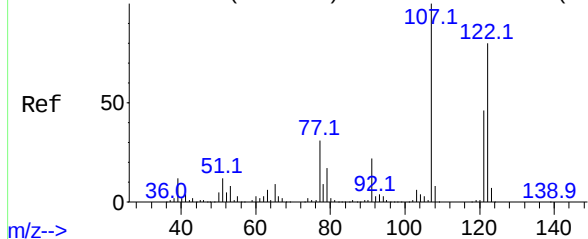
139 100

109 33.4 20.0 30.0#

65 54.8 40.8 61.2



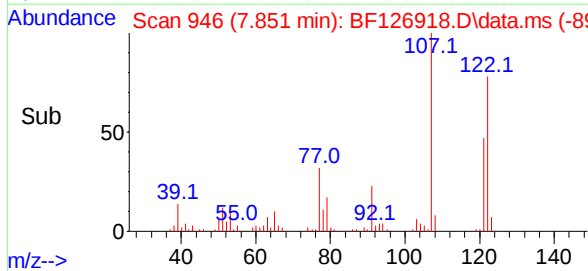
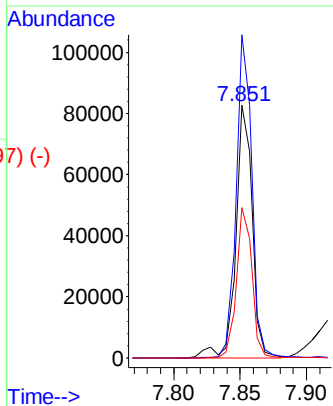
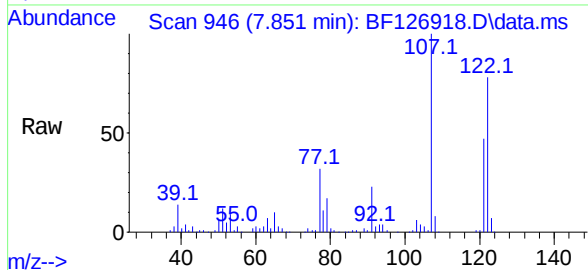
Abundance Scan 948 (7.863 min): BF126908.D\data.ms (-938) #27



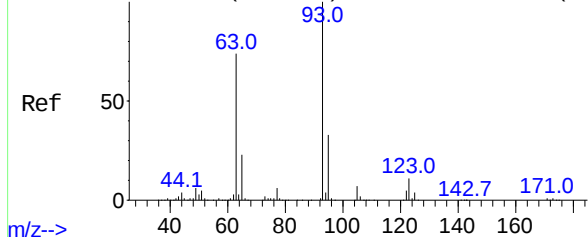
2,4-Dimethylphenol
Concen: 10.969 ng
RT: 7.851 min Scan# 947
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

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

Tgt Ion:	122	Resp:	71265
Ion	Ratio	Lower	Upper
122	100		
107	127.9	91.2	136.8
121	59.5	44.4	66.6

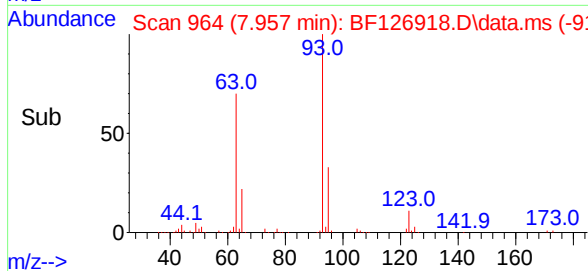
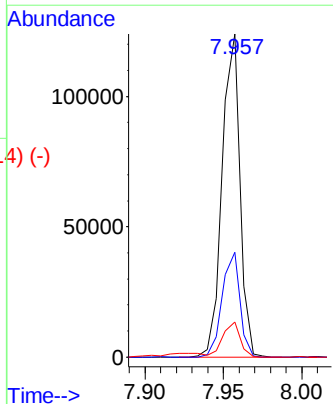
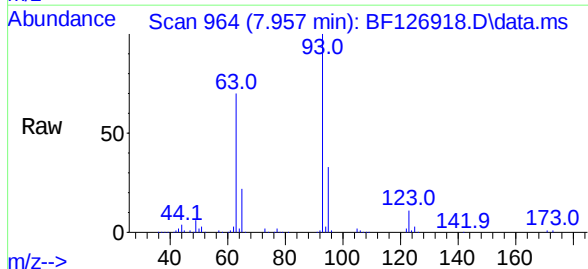


Abundance Scan 965 (7.963 min): BF126908.D\data.ms (-958) #28

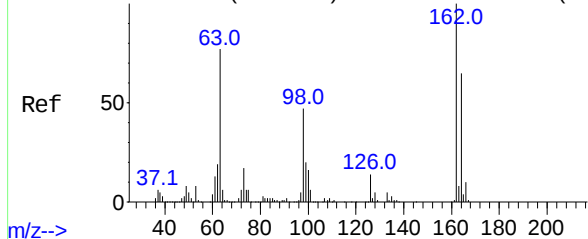


bis(2-Chloroethoxy)methane
Concen: 9.931 ng
RT: 7.957 min Scan# 964
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

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



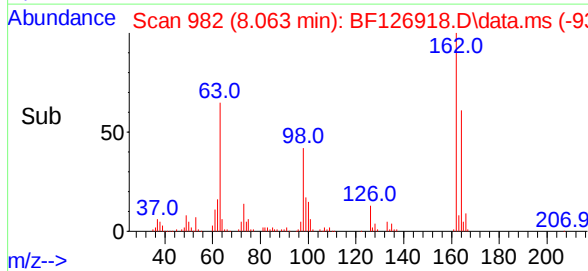
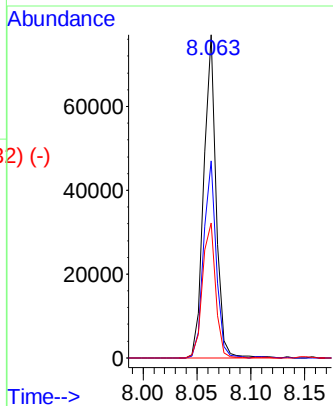
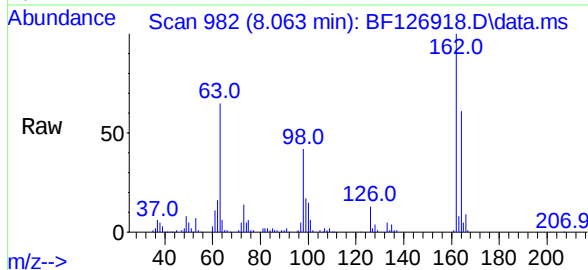
Abundance Scan 983 (8.069 min): BF126908.D\data.ms (-977) #29



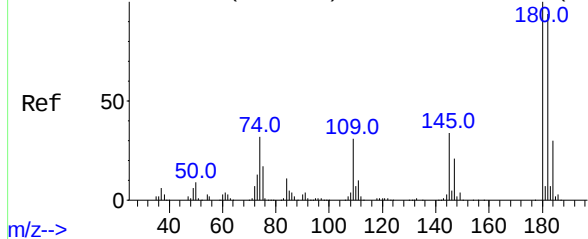
2,4-Dichlorophenol
Concen: 9.949 ng
RT: 8.063 min Scan# 992
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

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

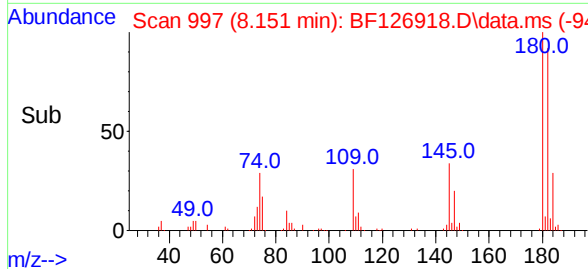
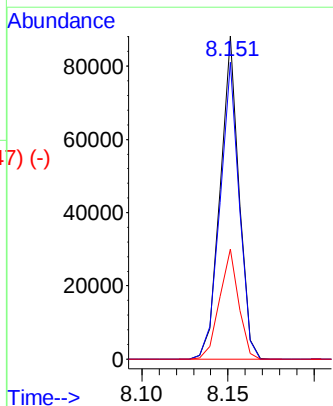
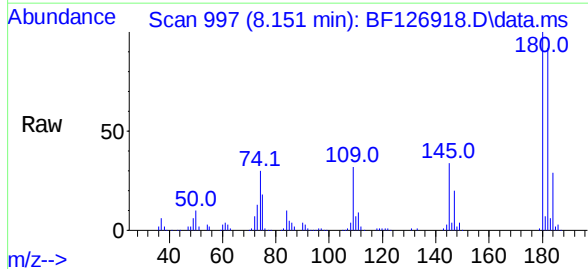


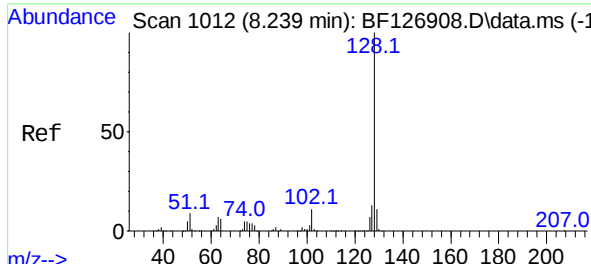
Abundance Scan 998 (8.157 min): BF126908.D\data.ms (-992) #30



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





Naphthalene

Concen: 10.213 ng

RT: 8.234 min Scan#

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

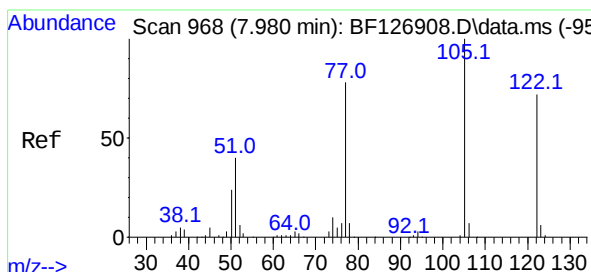
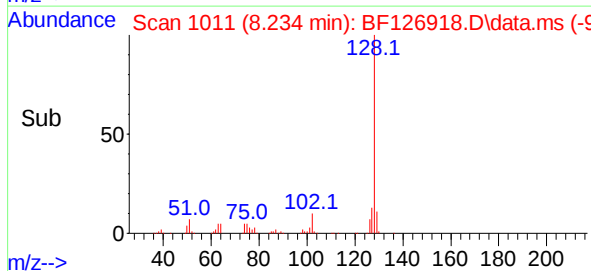
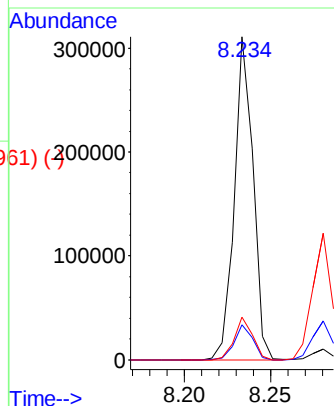
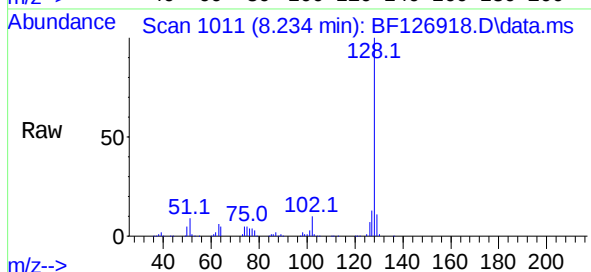
Tgt Ion:128 Resp: 236599

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.3 10.3 15.5



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

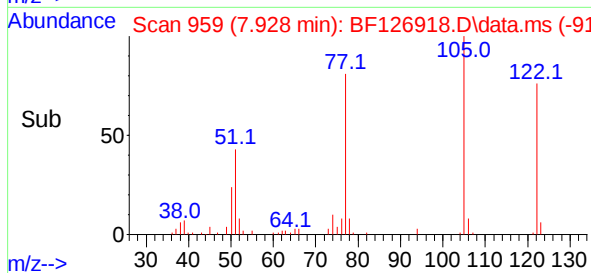
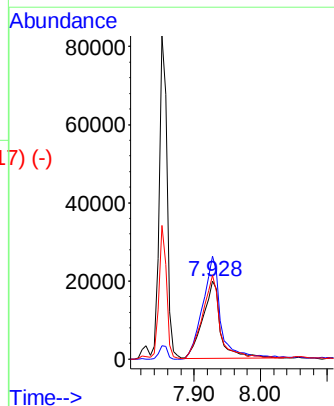
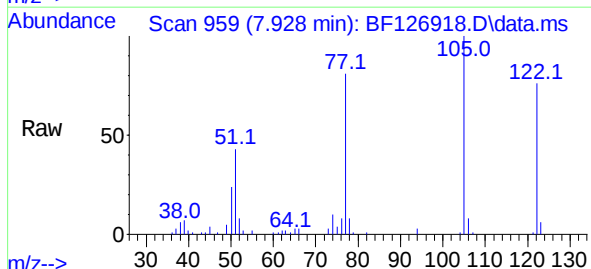
Tgt Ion:122 Resp: 37705

Ion Ratio Lower Upper

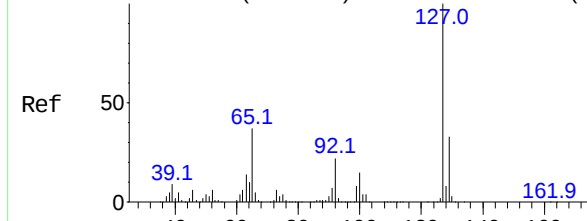
122 100

105 132.0 101.0 141.0

77 107.4 74.5 114.5



Abundance Scan 1020 (8.286 min): BF126908.D\data.ms (-1053)



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

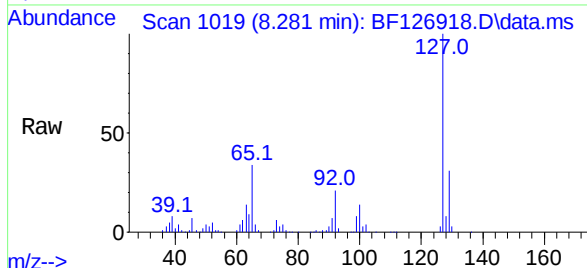
Instrument :

BNA_F

ClientSampleId :

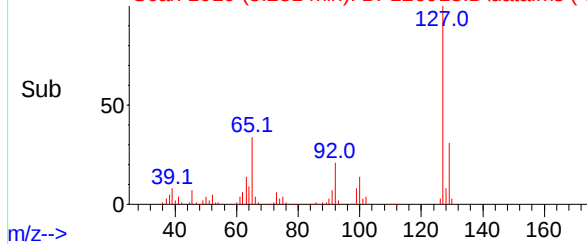
LOQ-SOIL-02-QT4-2021

m/z-->



m/z-->

Abundance Scan 1019 (8.281 min): BF126918.D\data.ms (-969) (-)



m/z-->

Tgt Ion:127 Resp: 94527

Ion Ratio Lower Upper

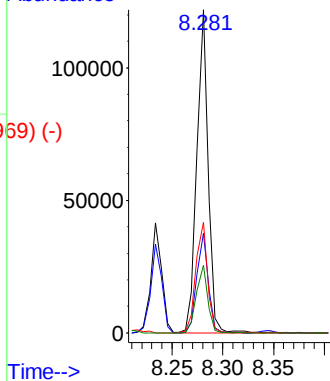
127 100

129 30.8 26.5 39.7

65 34.2 26.6 39.8

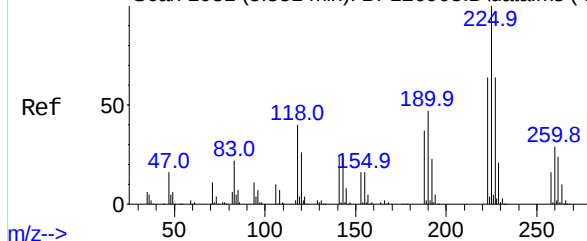
92 21.0 16.1 24.1

Abundance

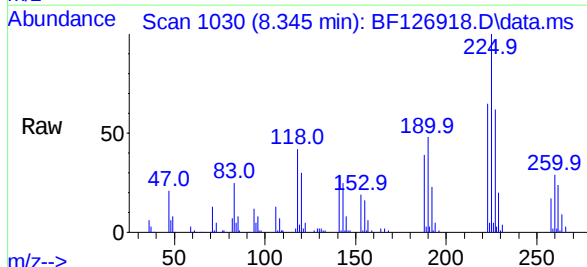


Time-->

Abundance Scan 1031 (8.351 min): BF126908.D\data.ms (-1053)

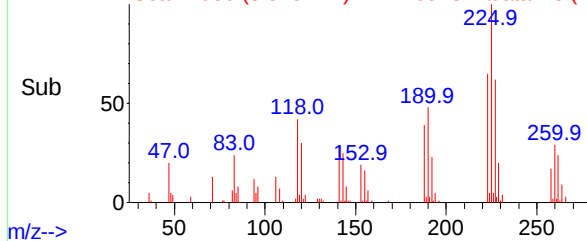


m/z-->



m/z-->

Abundance Scan 1030 (8.345 min): BF126918.D\data.ms (-980) (-)



m/z-->

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

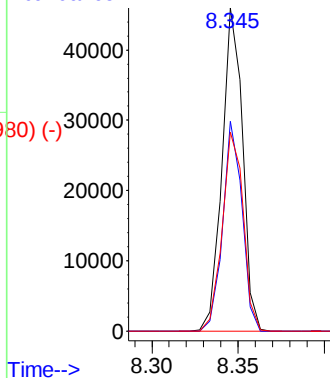
Ion Ratio Lower Upper

225 100

223 64.9 48.6 73.0

227 61.6 51.4 77.0

Abundance



Time-->

Abundance Scan 1084 (8.663 min): BF126908.D\data.ms (-1078)

Caprolactam

Concen: 8.675 ng

RT: 8.622 min Scan# 1084

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

m/z-->

Abundance Scan 1077 (8.622 min): BF126918.D\data.ms

Raw

m/z-->

Abundance Scan 1077 (8.622 min): BF126918.D\data.ms (-1033) (-)

Sub

m/z-->

Tgt Ion:113 Resp: 18503

Ion Ratio Lower Upper

113 100

55 175.6 183.9 223.9#

56 137.0 129.9 169.9

Abundance

Time-->

Abundance Scan 1101 (8.763 min): BF126908.D\data.ms (-1099)

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

m/z-->

Abundance Scan 1099 (8.751 min): BF126918.D\data.ms

Raw

m/z-->

Abundance Scan 1099 (8.751 min): BF126918.D\data.ms (-1050) (-)

Sub

m/z-->

Tgt Ion:107 Resp: 78377

Ion Ratio Lower Upper

107 100

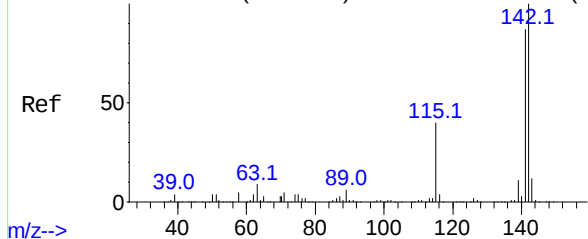
144 22.1 18.5 27.7

142 73.7 58.1 87.1

Abundance

Time-->

Abundance Scan 1129 (8.927 min): BF126908.D\data.ms (-1129)



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 :

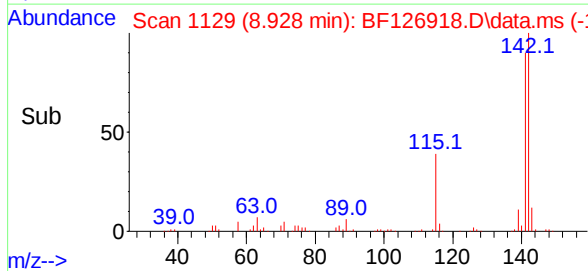
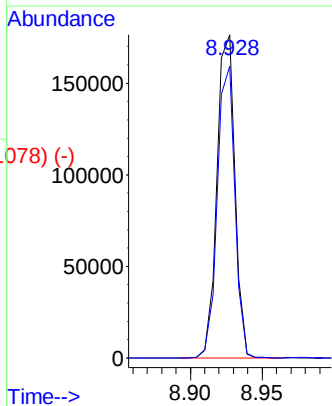
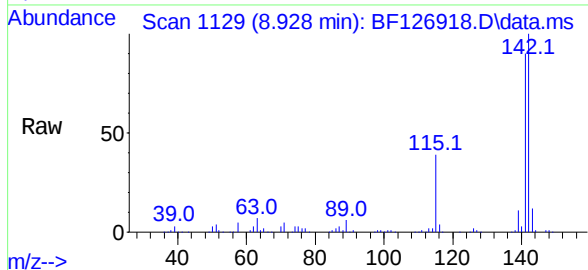
LOQ-SOIL-02-QT4-2021

Tgt Ion:142 Resp: 152974

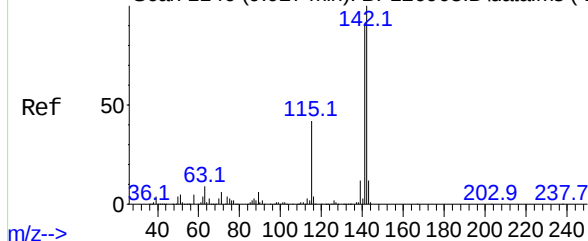
Ion Ratio Lower Upper

142 100

141 90.2 68.6 102.8



Abundance Scan 1146 (9.027 min): BF126908.D\data.ms (-1146)



1-Methylnaphthalene

Concen: 10.326 ng

RT: 9.028 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BF126918.D

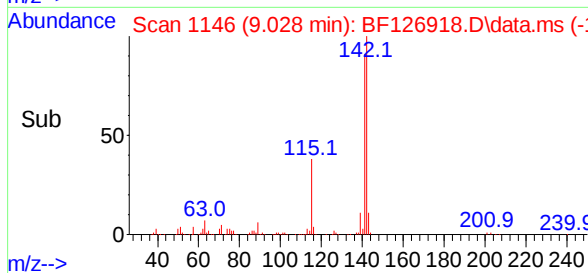
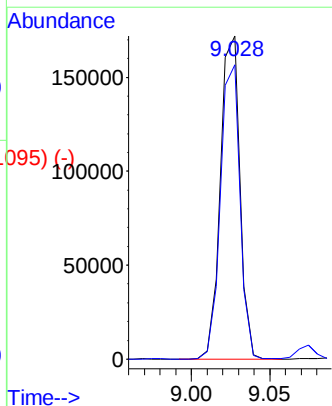
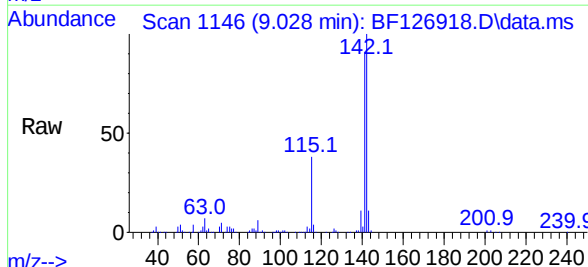
Acq: 16 Feb 2022 18:06

Tgt Ion:142 Resp: 148650

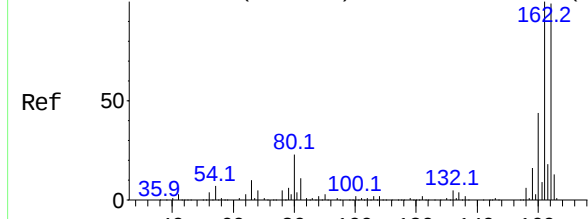
Ion Ratio Lower Upper

142 100

141 91.1 72.1 108.1



Abundance Scan 1307 (9.974 min): BF126908.D\data.ms (-1307)



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: 231161

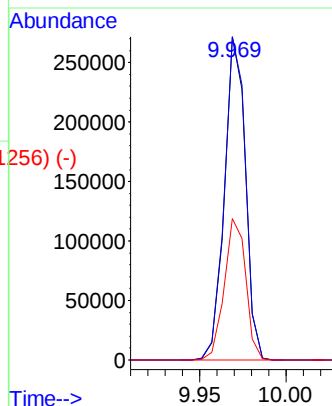
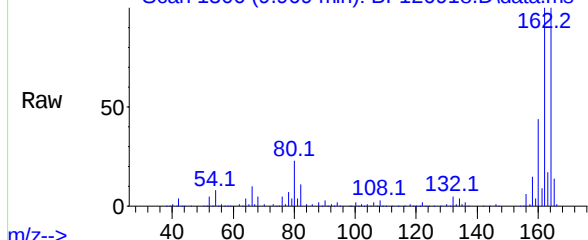
Ion Ratio Lower Upper

164 100

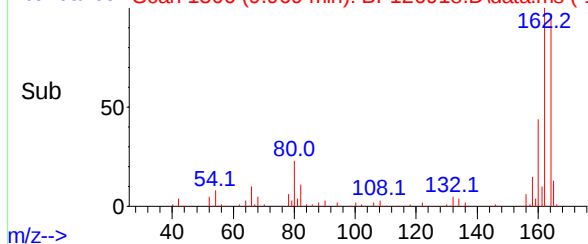
162 100.0 81.4 122.0

160 43.8 36.6 54.8

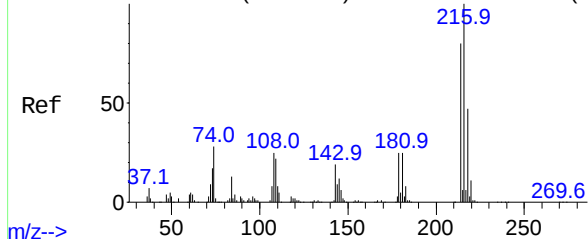
Abundance Scan 1306 (9.969 min): BF126918.D\data.ms



Abundance Scan 1306 (9.969 min): BF126918.D\data.ms (-1256) (-)



Abundance Scan 1157 (9.092 min): BF126908.D\data.ms (-1157)



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

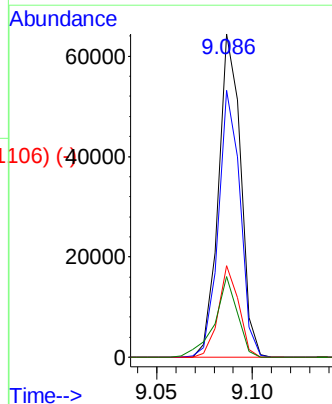
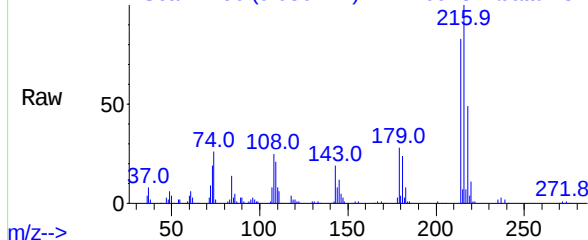
216 100

214 80.2 64.6 96.8

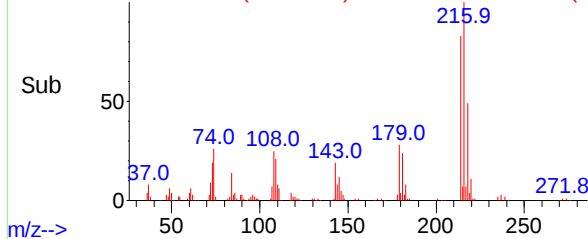
179 25.9 19.5 29.3

108 25.4 21.1 31.7

Abundance Scan 1156 (9.086 min): BF126918.D\data.ms



Abundance Scan 1156 (9.086 min): BF126918.D\data.ms (-1106) (-)



Abundance Scan 1155 (9.080 min): BF126908.D\data.ms (-1141)

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

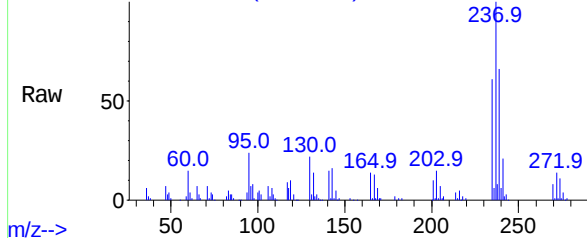
ClientSampleId :

LOQ-SOIL-02-QT4-2021



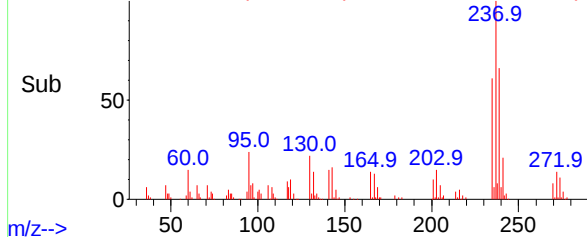
m/z-->

Abundance Scan 1154 (9.075 min): BF126918.D\data.ms



m/z-->

Abundance Scan 1154 (9.075 min): BF126918.D\data.ms (-1104) (-)



m/z-->

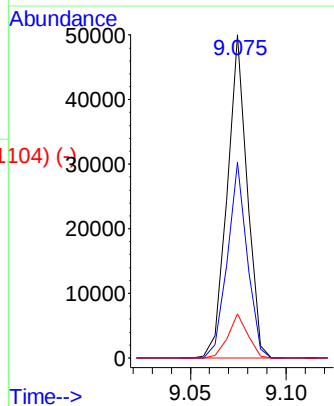
Tgt Ion:237 Resp: 36115

Ion Ratio Lower Upper

237 100

235 60.6 38.9 78.9

272 13.6 0.0 33.5



Abundance Scan 1442 (10.769 min): BF126908.D\data.ms (-1463)

2,4,6-Tribromophenol

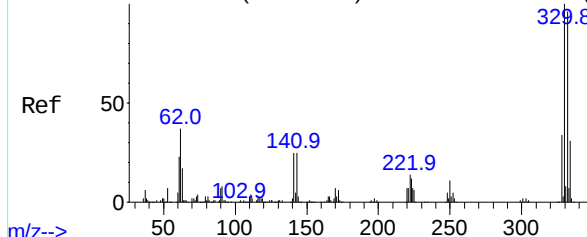
Concen: 107.523 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.006 min

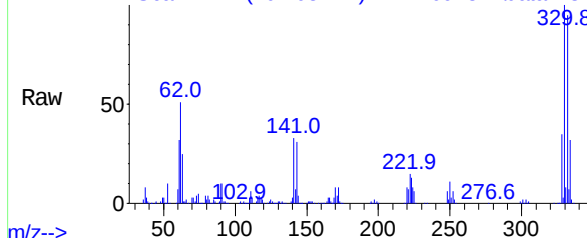
Lab File: BF126918.D

Acq: 16 Feb 2022 18:06



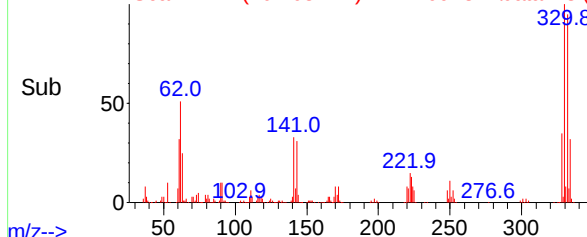
m/z-->

Abundance Scan 1441 (10.763 min): BF126918.D\data.ms



m/z-->

Abundance Scan 1441 (10.763 min): BF126918.D\data.ms (-1391) (-)



m/z-->

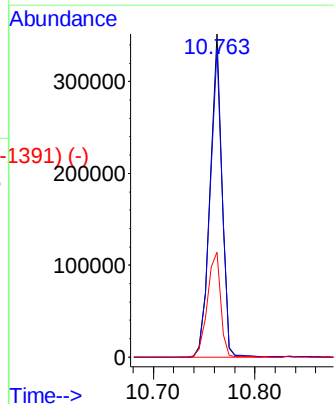
Tgt Ion:330 Resp: 286172

Ion Ratio Lower Upper

330 100

332 97.0 76.0 114.0

141 36.4 30.1 45.1



Abundance Scan 1176 (9.204 min): BF126908.D\data.ms (-1176) (-)

2,4,6-Trichlorophenol

Concen: 9.288 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF126918.D

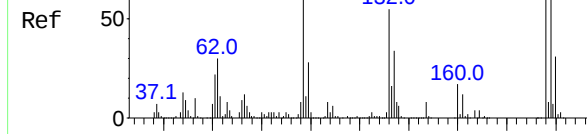
Acq: 16 Feb 2022 18:06

Instrument :

BNA_F

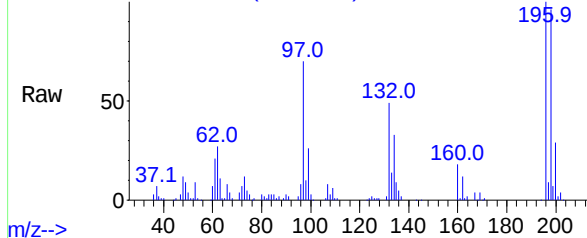
ClientSampleId :

LOQ-SOIL-02-QT4-2021



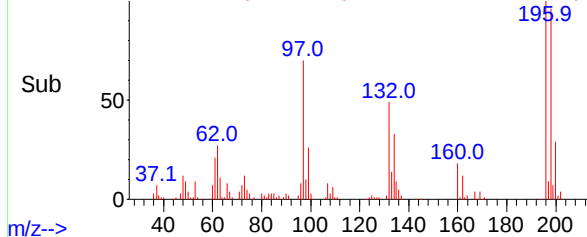
m/z-->

Abundance Scan 1175 (9.198 min): BF126918.D\data.ms

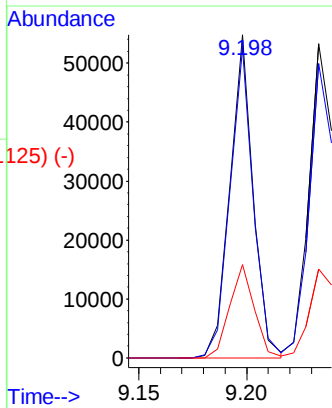


m/z-->

Abundance Scan 1175 (9.198 min): BF126918.D\data.ms (-1125) (-)



m/z-->



Abundance Scan 1182 (9.239 min): BF126908.D\data.ms (-1179) (-)

2,4,5-Trichlorophenol

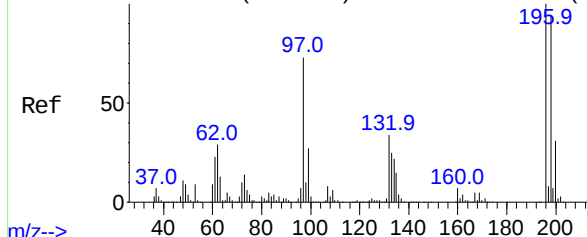
Concen: 9.577 ng

RT: 9.233 min Scan# 1181

Delta R.T. -0.006 min

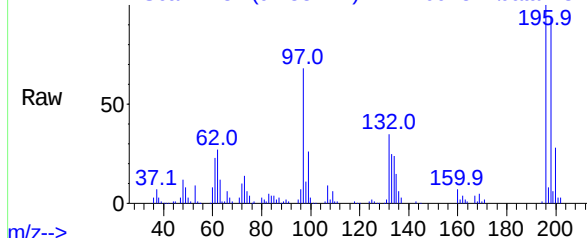
Lab File: BF126918.D

Acq: 16 Feb 2022 18:06



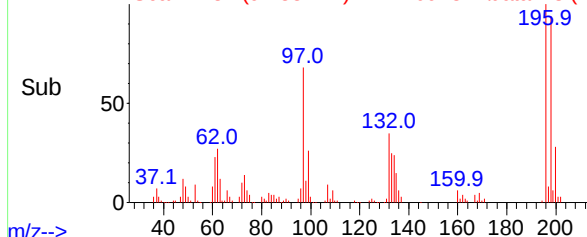
m/z-->

Abundance Scan 1181 (9.233 min): BF126918.D\data.ms

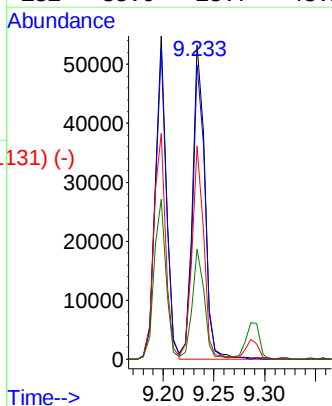


m/z-->

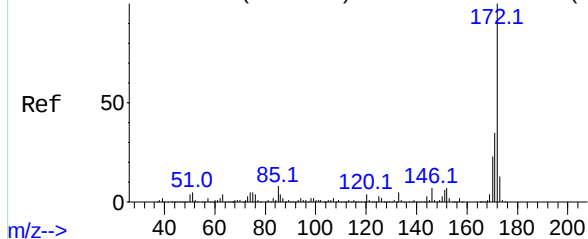
Abundance Scan 1181 (9.233 min): BF126918.D\data.ms (-1131) (-)



m/z-->



Abundance Scan 1191 (9.292 min): BF126908.D\data.ms (-11854)



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

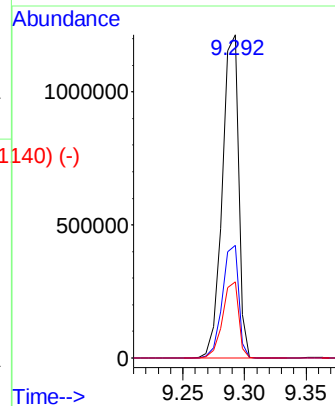
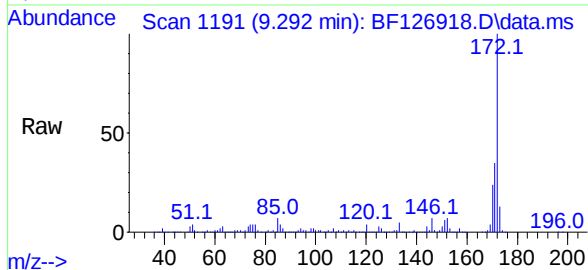
Tgt Ion:172 Resp: 1114854

Ion Ratio Lower Upper

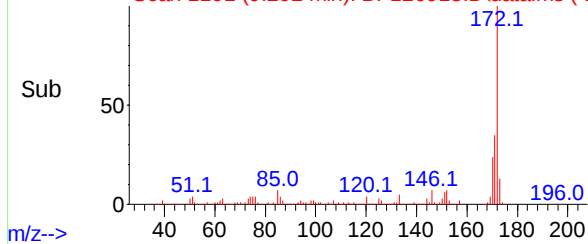
172 100

171 34.8 28.3 42.5

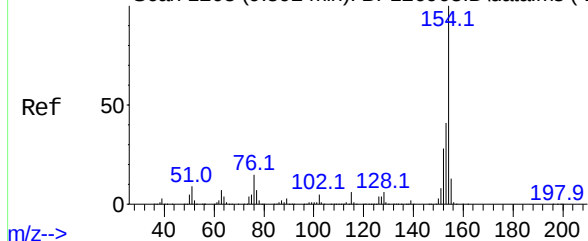
170 23.6 19.0 28.6



Abundance Scan 1191 (9.292 min): BF126918.D\data.ms (-1140) (-)



Abundance Scan 1208 (9.392 min): BF126908.D\data.ms (-12046)



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

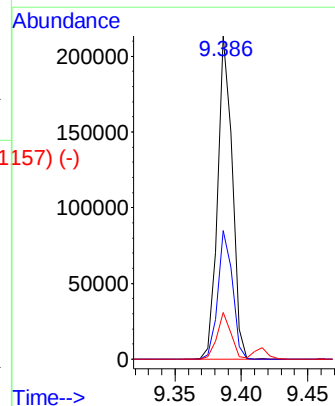
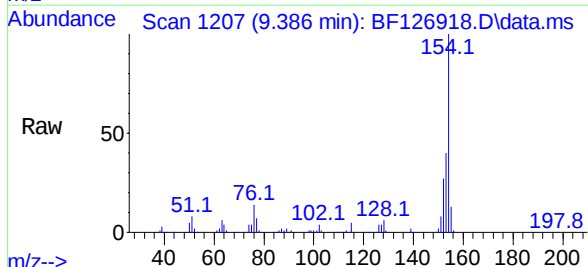
Tgt Ion:154 Resp: 163128

Ion Ratio Lower Upper

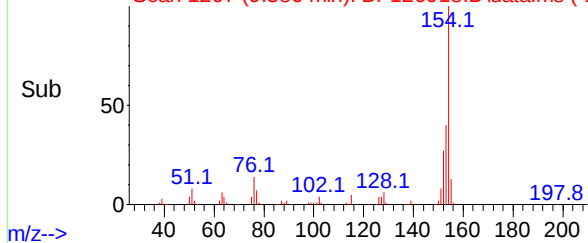
154 100

153 39.9 19.0 59.0

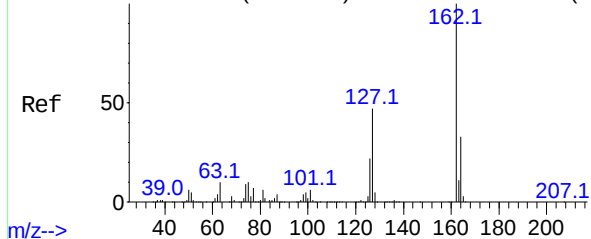
76 14.3 0.0 34.5



Abundance Scan 1207 (9.386 min): BF126918.D\data.ms (-1157) (-)



Abundance Scan 1213 (9.422 min): BF126908.D\data.ms (-120617)



2-Chloronaphthalene

Concen: 10.010 ng

RT: 9.416 min Scan#

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

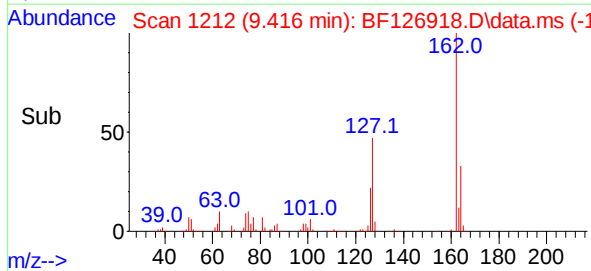
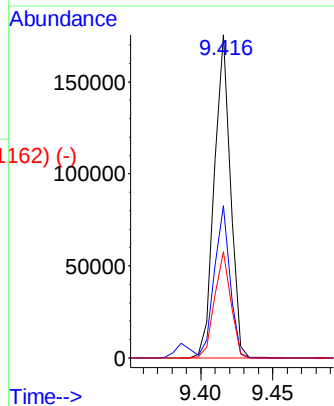
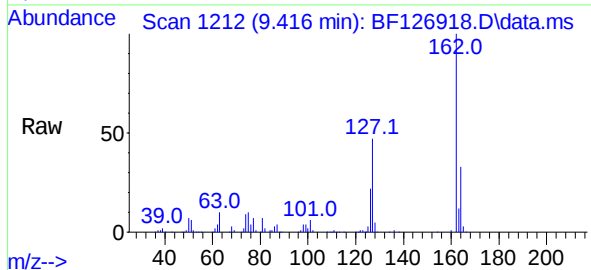
Tgt Ion:162 Resp: 135944

Ion Ratio Lower Upper

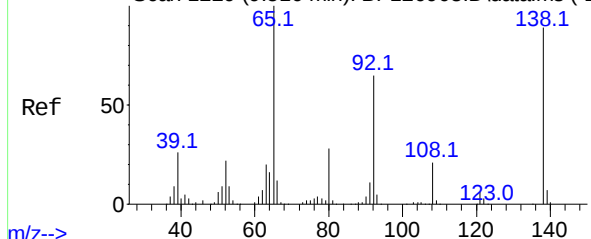
162 100

127 47.1 33.5 50.3

164 32.8 26.2 39.4



Abundance Scan 1229 (9.516 min): BF126908.D\data.ms (-12248)



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

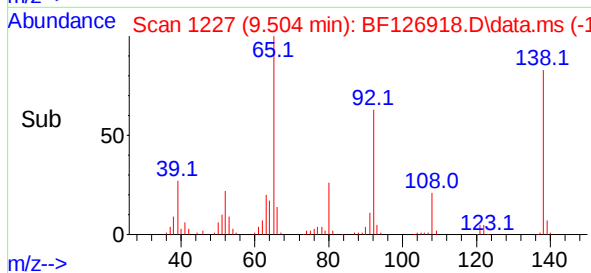
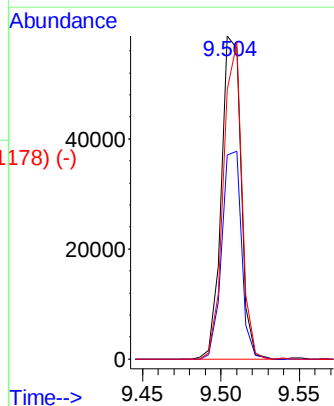
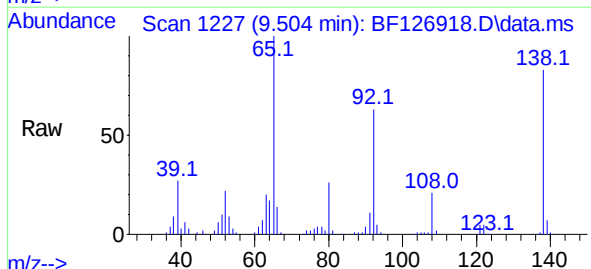
Tgt Ion: 65 Resp: 51059

Ion Ratio Lower Upper

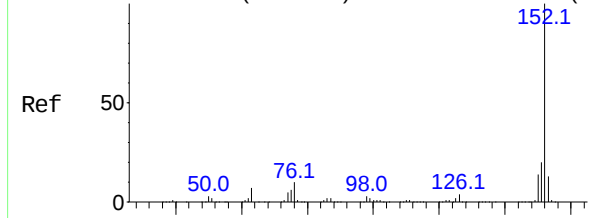
65 100

92 63.1 54.4 81.6

138 83.3 72.5 108.7



Abundance Scan 1284 (9.839 min): BF126908.D\data.ms (-12749)



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

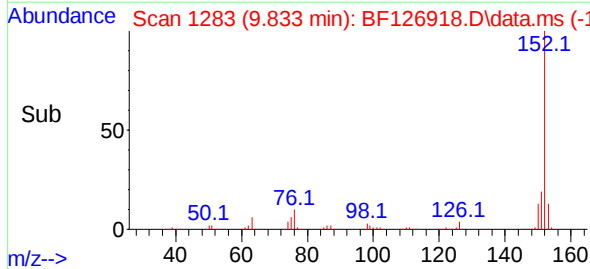
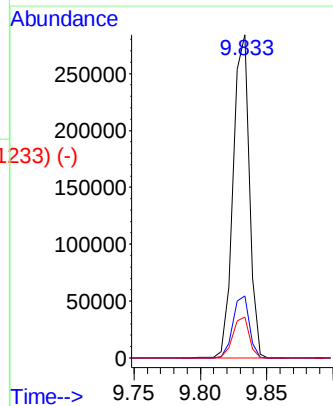
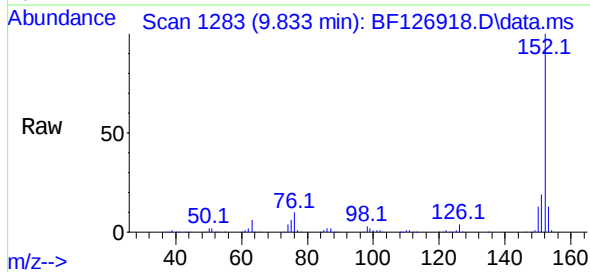
Tgt Ion:152 Resp: 240444

Ion Ratio Lower Upper

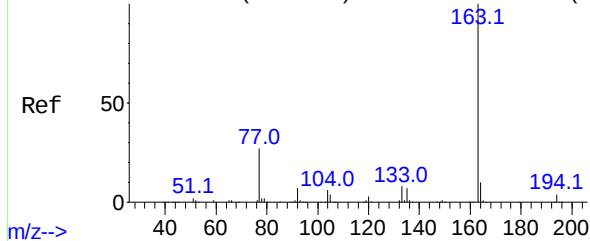
152 100

151 19.3 15.7 23.5

153 12.6 11.4 17.0



Abundance Scan 1259 (9.692 min): BF126908.D\data.ms (-12550)



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

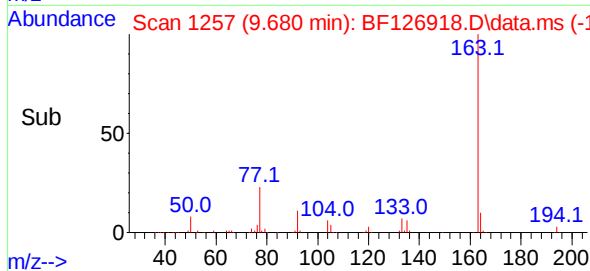
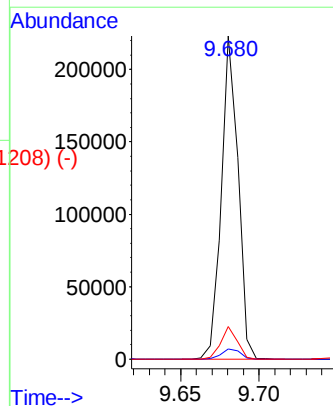
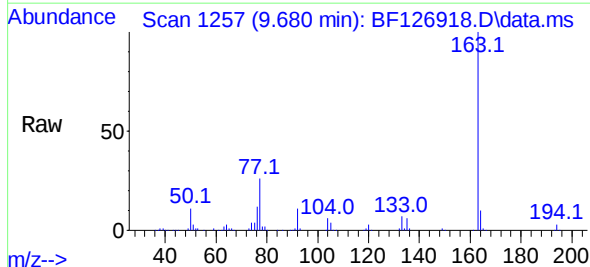
Tgt Ion:163 Resp: 165405

Ion Ratio Lower Upper

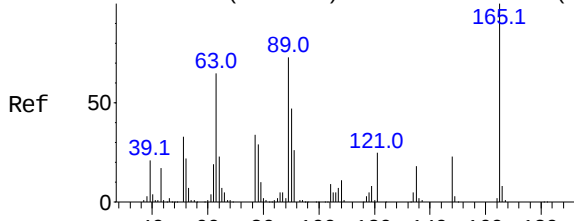
163 100

194 3.2 2.6 3.8

164 10.0 7.8 11.8



Abundance Scan 1270 (9.757 min): BF126908.D\data.ms (-12651-)



2,6-Dinitrotoluene

Concen: 10.367 ng

RT: 9.745 min Scan#

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

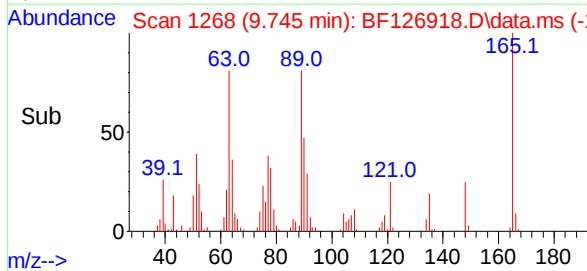
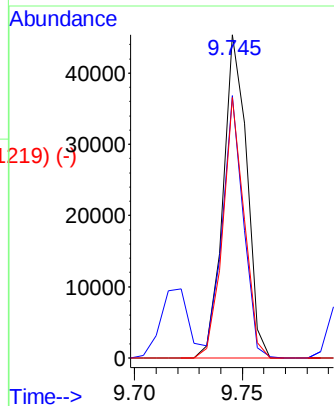
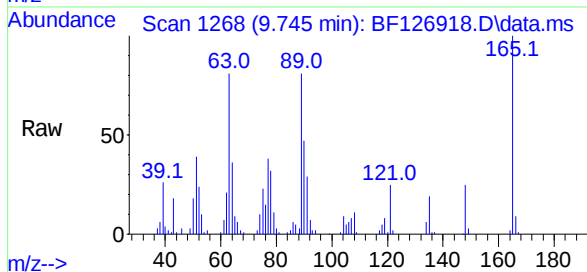
Tgt Ion:165 Resp: 34849

Ion Ratio Lower Upper

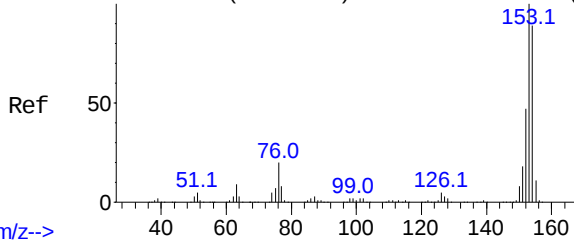
165 100

63 81.2 48.4 72.6#

89 80.5 50.5 75.7#



Abundance Scan 1313 (10.010 min): BF126908.D\data.ms (-1354-)



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

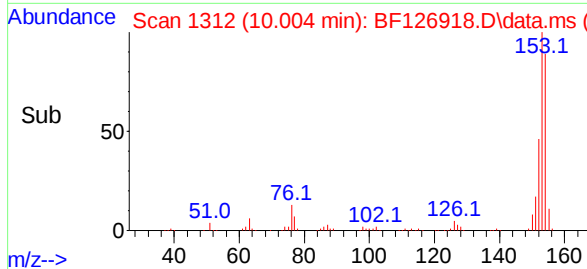
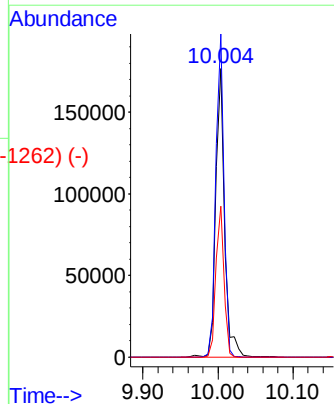
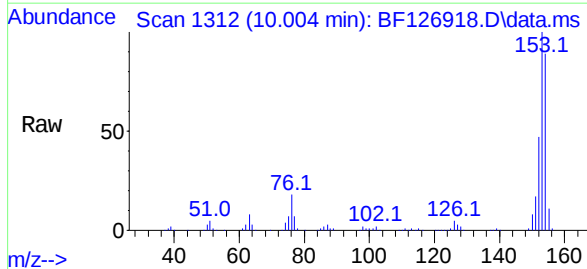
Tgt Ion:154 Resp: 145948

Ion Ratio Lower Upper

154 100

153 112.0 87.8 131.6

152 52.3 39.4 59.2



Abundance Scan 1299 (9.927 min): BF126908.D\data.ms (-1295)

3-Nitroaniline

Concen: 9.488 ng

RT: 9.916 min Scan# 1299

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: 38987

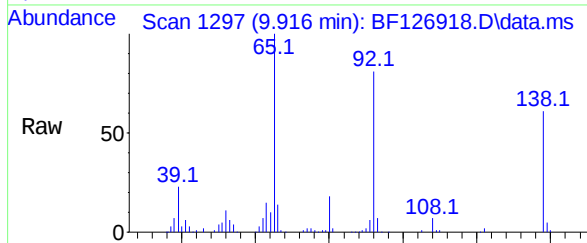
Ion Ratio Lower Upper

138 100

108 12.3 8.6 13.0

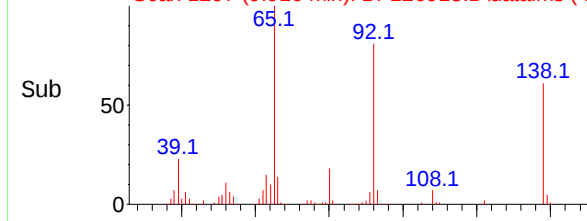
92 133.0 105.0 157.6

Abundance Scan 1297 (9.916 min): BF126918.D\data.ms

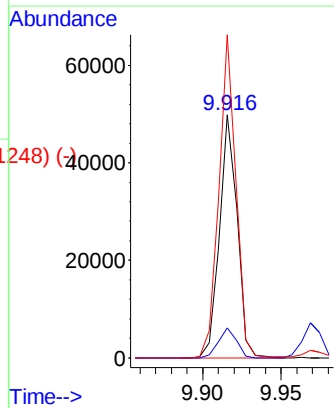


m/z-->

Abundance Scan 1297 (9.916 min): BF126918.D\data.ms (-1248)



m/z-->



Abundance Scan 1317 (10.033 min): BF126908.D\data.ms (-1351)

2,4-Dinitrophenol

Concen: 6.892 ng

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: 12263

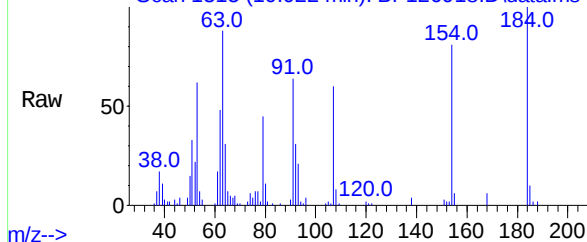
Ion Ratio Lower Upper

184 100

63 87.6 70.4 105.6

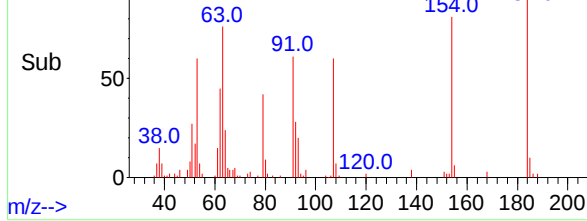
154 80.9 49.7 74.5#

Abundance Scan 1315 (10.022 min): BF126918.D\data.ms

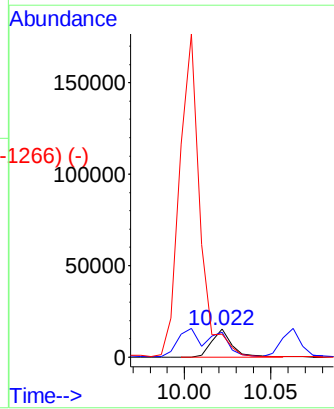


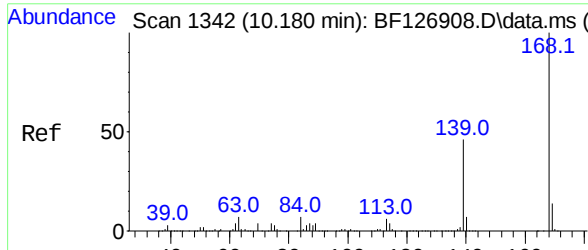
m/z-->

Abundance Scan 1315 (10.022 min): BF126918.D\data.ms (-1266)



m/z-->

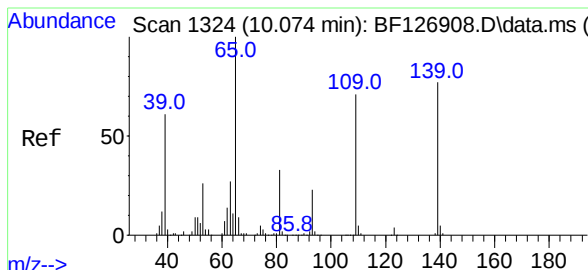
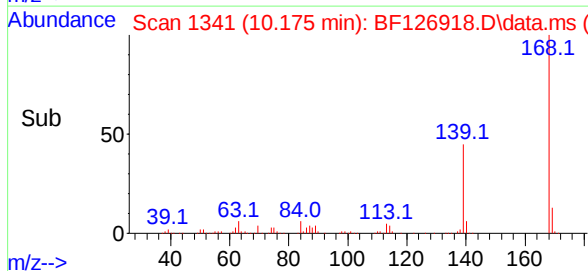
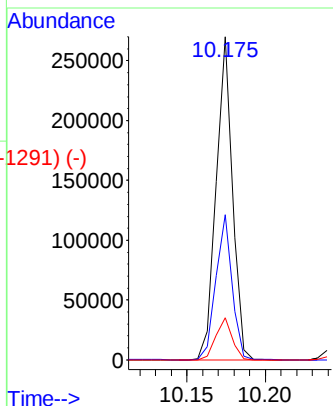
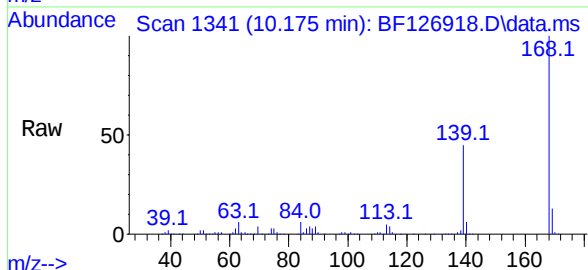




Scan 1342 (10.180 min): BF126908.D\data.ms (-1355) (-)
 Dibenzo(f,h)quinoxaline
 Concen: 9.935 ng
 RT: 10.175 min Scan# 1341
 Delta R.T. -0.006 min
 Lab File: BF126918.D
 Acq: 16 Feb 2022 18:06

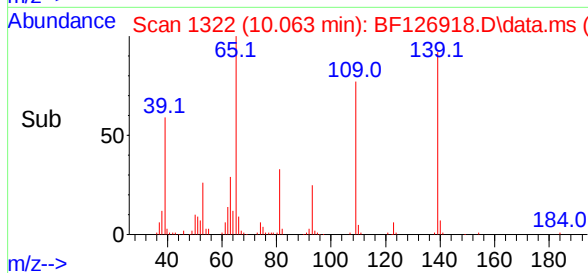
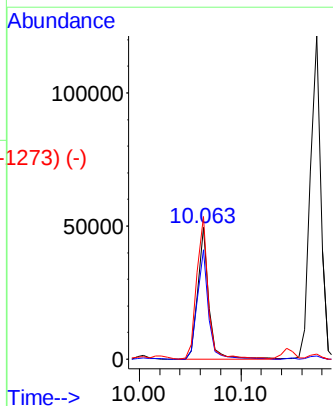
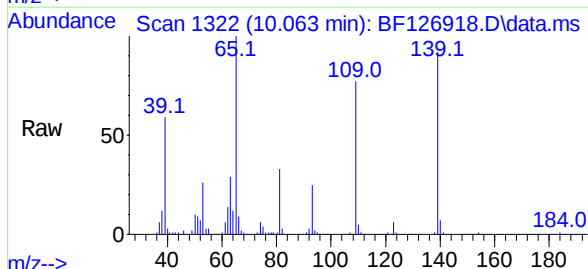
Instrument : BNA_F
 ClientSampleId : LOQ-SOIL-02-QT4-2021

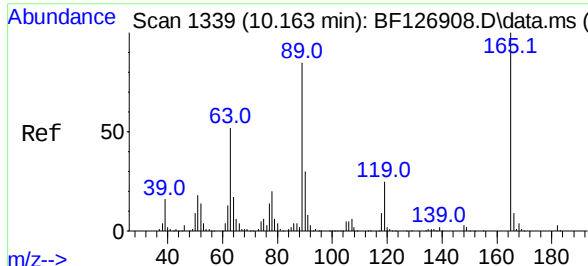
Tgt Ion:	168	Resp:	195999
Ion	Ratio	Lower	Upper
168	100		
139	45.0	30.6	46.0
169	13.1	10.0	15.0



Scan 1324 (10.074 min): BF126908.D\data.ms (-1356) (-)
 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

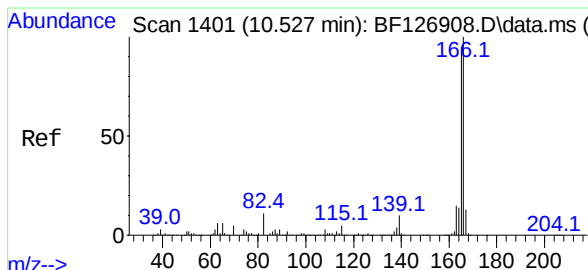
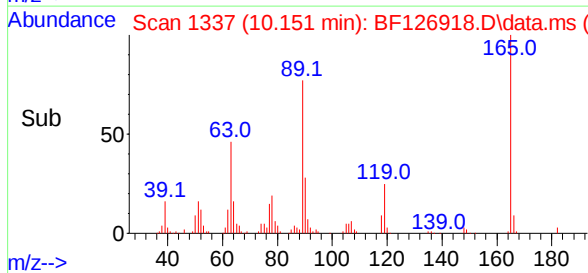
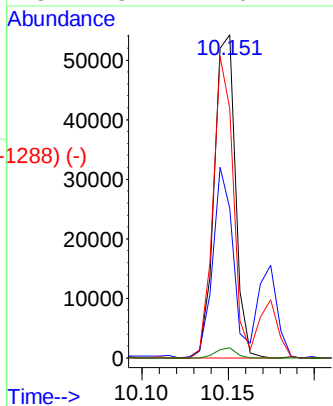
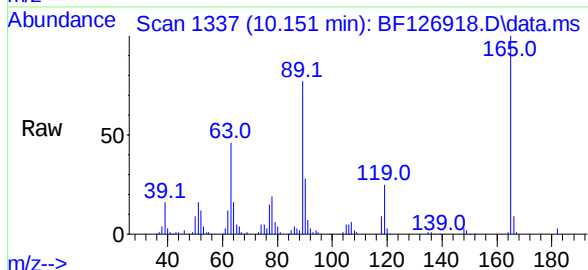




2,4-Dinitrotoluene
 Concen: 10.336 ng
 RT: 10.151 min Scan# 1337
 Delta R.T. -0.012 min
 Lab File: BF126918.D
 Acq: 16 Feb 2022 18:06

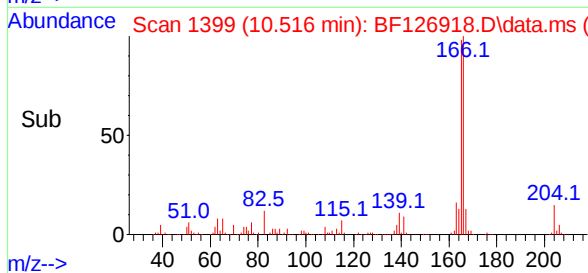
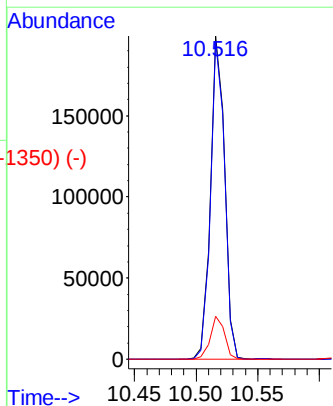
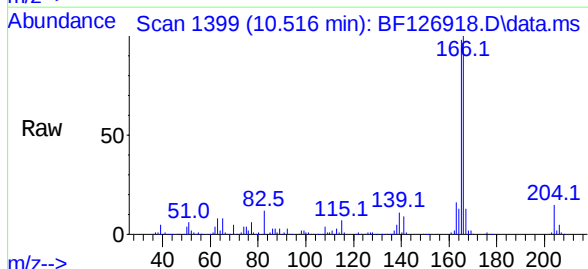
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Tgt Ion:	165	Resp:	46982
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#



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



Abundance Scan 1361 (10.292 min): BF126908.D\data.ms (-1359) (-)

2,3,4,6-Tetrachlorophenol

Concen: 9.206 ng

RT: 10.286 min Scan# 1359

Delta R.T. -0.006 min

Lab File: BF126918.D

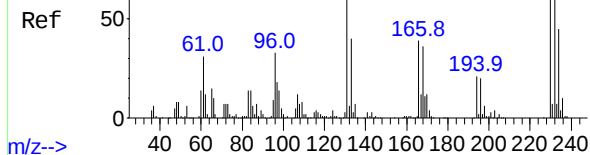
Acq: 16 Feb 2022 18:06

Instrument :

BNA_F

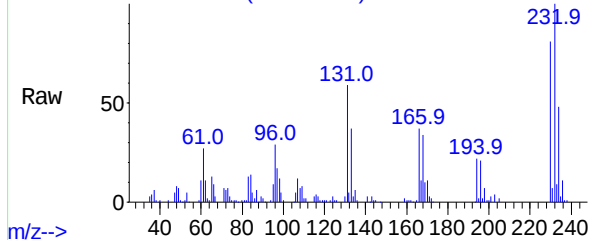
ClientSampleId :

LOQ-SOIL-02-QT4-2021



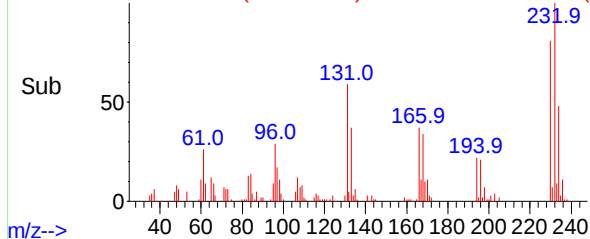
m/z-->

Abundance Scan 1360 (10.286 min): BF126918.D\data.ms



m/z-->

Abundance Scan 1360 (10.286 min): BF126918.D\data.ms (-1310) (-)



m/z-->

Tgt Ion:232 Resp: 34277

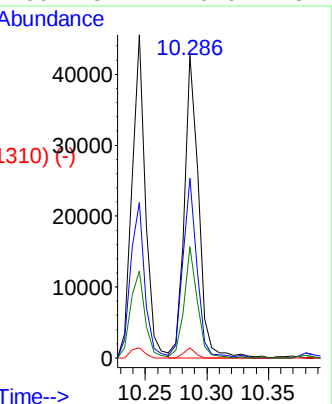
Ion Ratio Lower Upper

232 100

131 59.1 50.0 75.0

130 2.5 2.2 3.2

166 34.1 29.0 43.4



Abundance Scan 1378 (10.392 min): BF126908.D\data.ms (-1370) (-)

Diethylphthalate

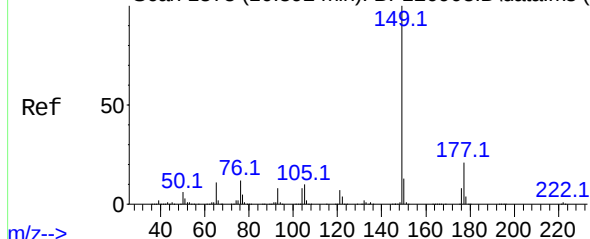
Concen: 10.295 ng

RT: 10.380 min Scan# 1376

Delta R.T. -0.012 min

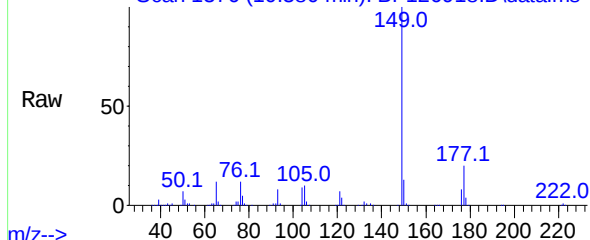
Lab File: BF126918.D

Acq: 16 Feb 2022 18:06



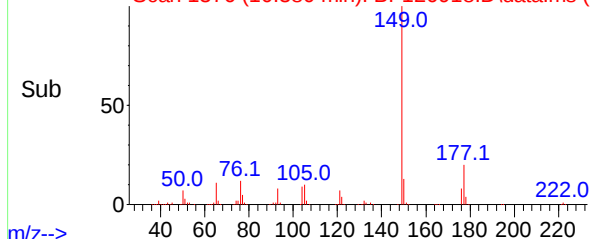
m/z-->

Abundance Scan 1376 (10.380 min): BF126918.D\data.ms



m/z-->

Abundance Scan 1376 (10.380 min): BF126918.D\data.ms (-1327) (-)



m/z-->

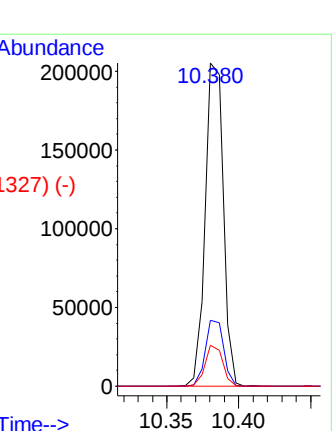
Tgt Ion:149 Resp: 177742

Ion Ratio Lower Upper

149 100

177 20.4 16.7 25.1

150 12.7 9.8 14.8



Abundance Scan 1399 (10.516 min): BF126908.D\data.ms (-1353) (-)

4-Chlorophenyl-phenylether

Concen: 9.962 ng

RT: 10.510 min Scan# 1399

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

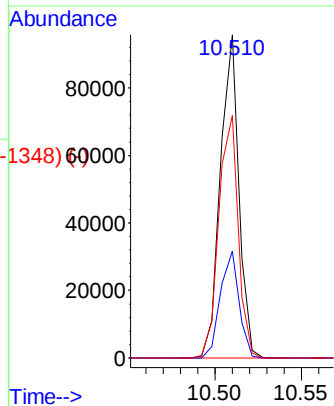
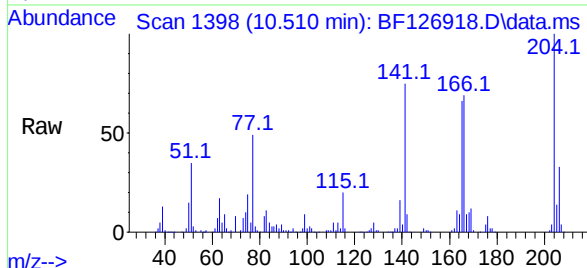
Ion Ratio Lower Upper

204 100

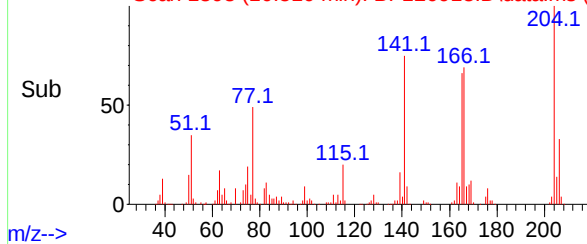
206 33.0 26.3 39.5

141 75.1 59.0 88.6

m/z--> Abundance Scan 1398 (10.510 min): BF126918.D\data.ms



m/z--> Abundance Scan 1398 (10.510 min): BF126918.D\data.ms (-1348) (-)



Abundance Scan 1404 (10.545 min): BF126908.D\data.ms (-1353) (-)

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

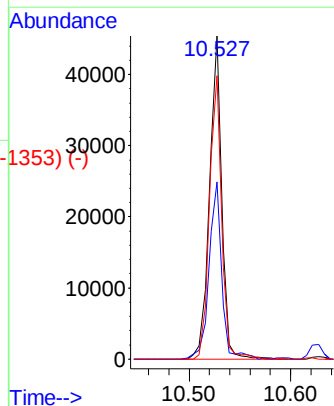
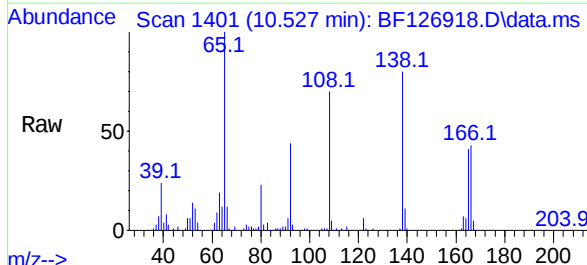
Ion Ratio Lower Upper

138 100

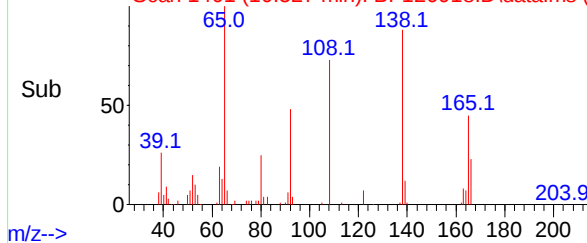
92 54.9 36.2 76.2

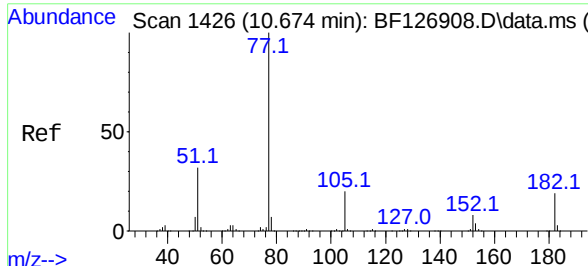
108 87.6 46.7 86.7#

m/z--> Abundance Scan 1401 (10.527 min): BF126918.D\data.ms



m/z--> Abundance Scan 1401 (10.527 min): BF126918.D\data.ms (-1353) (-)

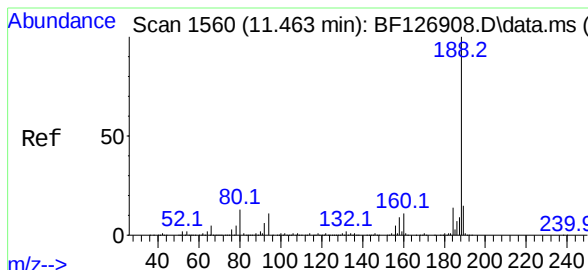
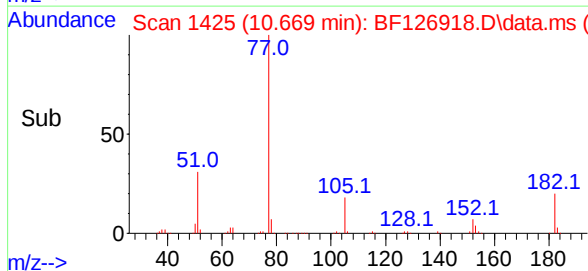
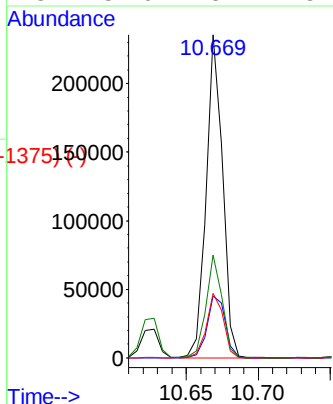
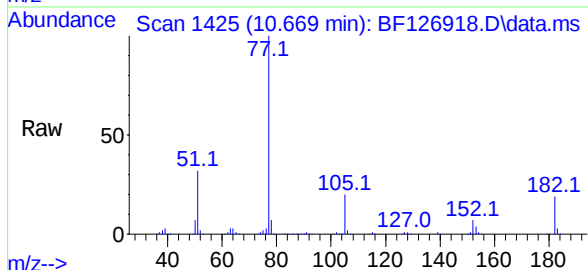




Azobenzene
Concen: 9.744 ng
RT: 10.669 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

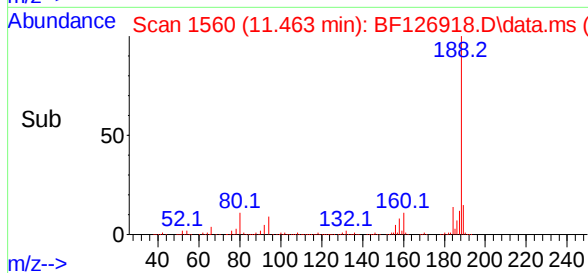
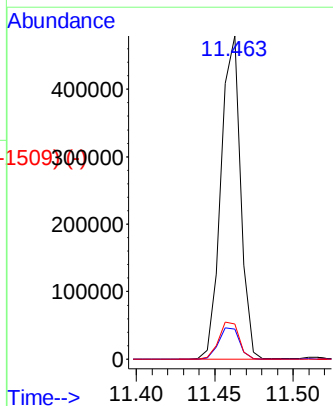
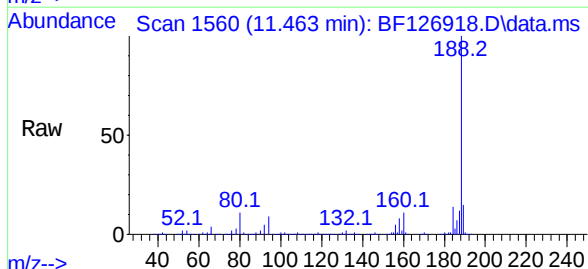
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

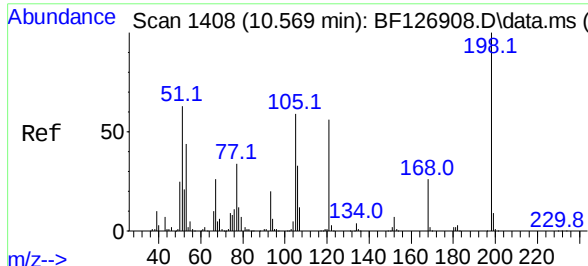
Tgt Ion:	77	Resp:	187329
Ion	Ratio	Lower	Upper
77	100		
182	19.2	0.0	39.0
105	20.0	3.2	43.2
51	31.9	8.2	48.2



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#

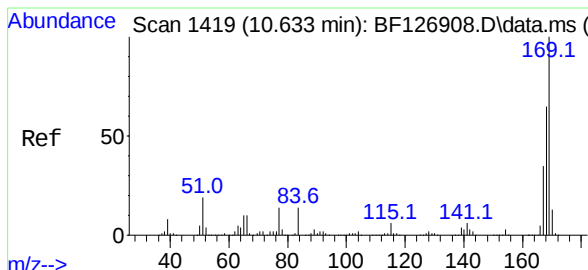
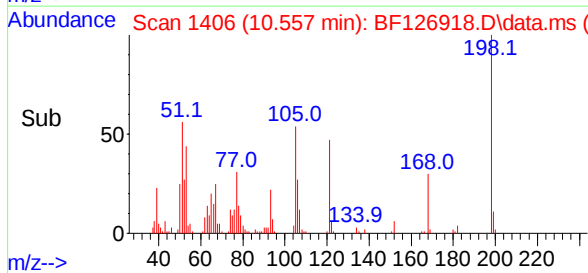
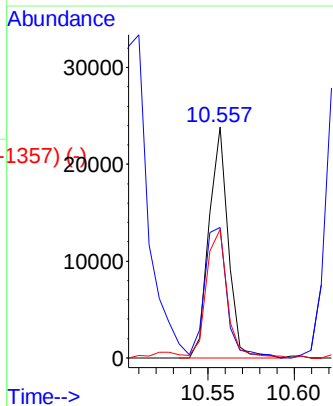
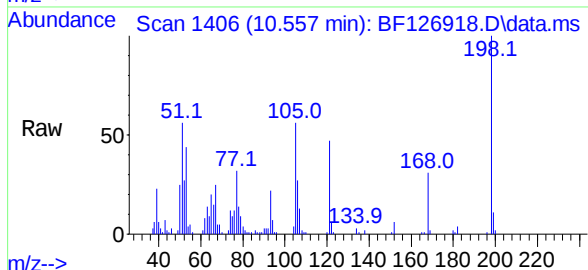




4,6-Dinitro-2-methylphenol
 Concen: 7.533 ng
 RT: 10.557 min Scan# 1405
 Delta R.T. -0.012 min
 Lab File: BF126918.D
 Acq: 16 Feb 2022 18:06

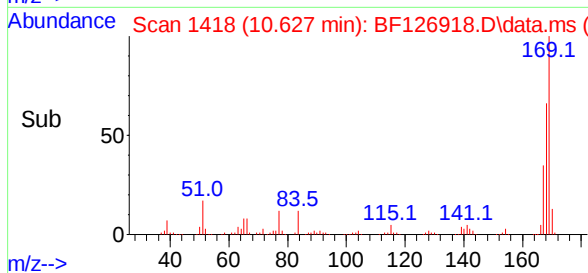
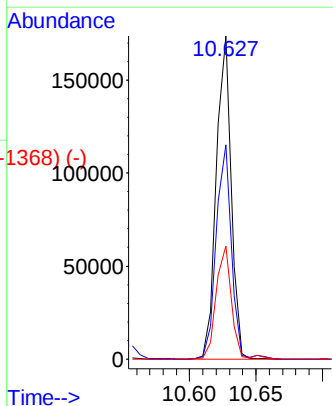
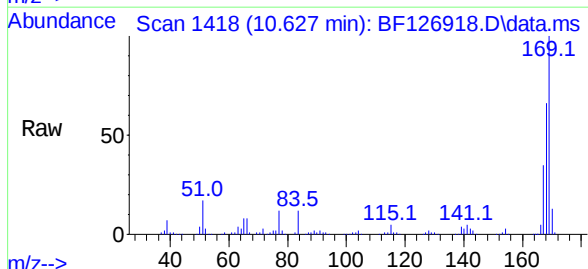
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

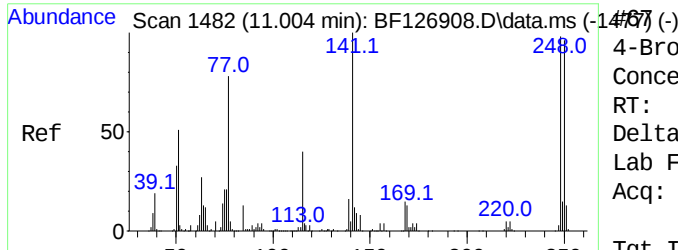
Tgt Ion:	198	Resp:	18428
Ion	Ratio	Lower	Upper
198	100		
51	56.4	32.0	72.0
105	55.7	32.7	72.7



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

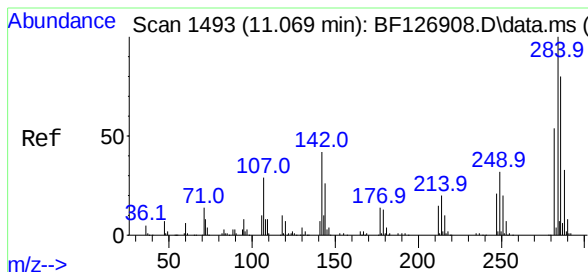
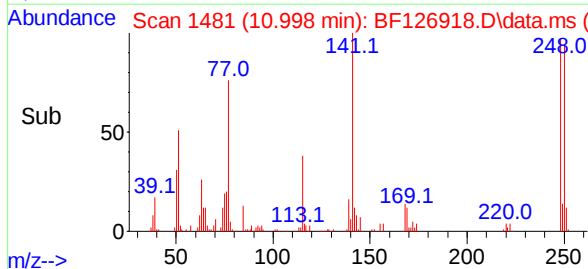
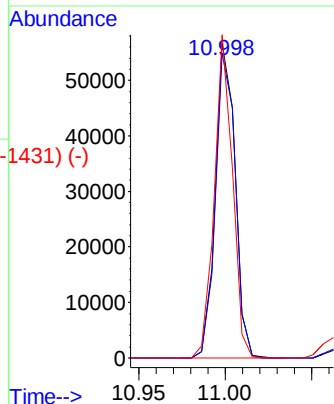
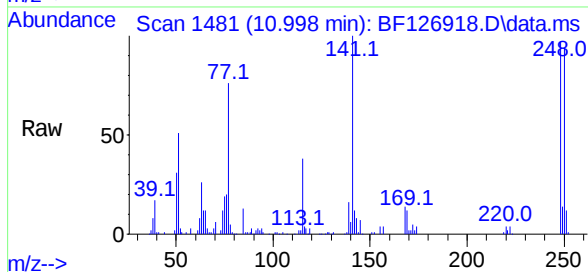




4-Bromophenyl-phenylether
 Concen: 9.653 ng
 RT: 10.998 min Scan# 1481
 Delta R.T. -0.006 min
 Lab File: BF126918.D
 Acq: 16 Feb 2022 18:06

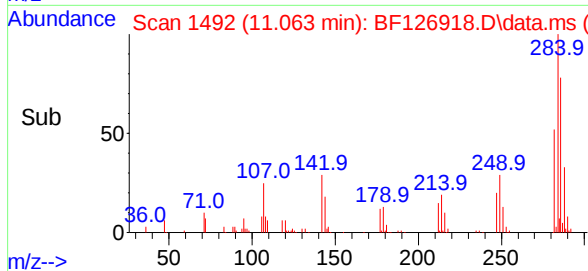
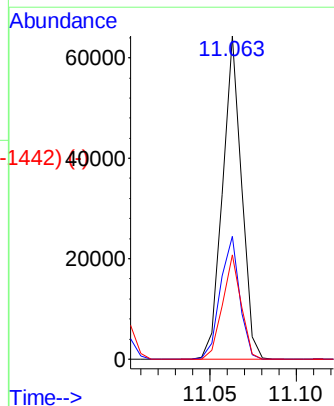
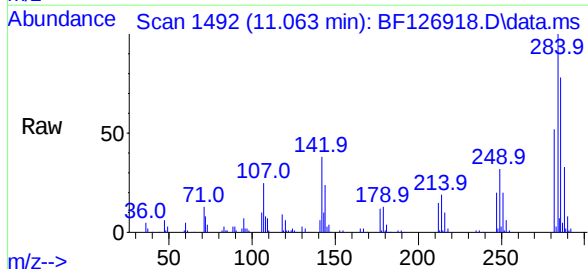
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

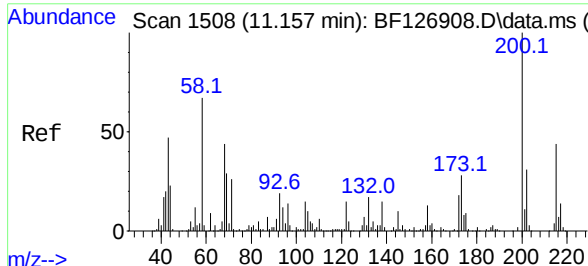
Tgt Ion:	248	Resp:	44903
Ion Ratio	Lower	Upper	
248	100		
250	96.8	76.2	114.4
141	102.7	66.2	99.4#



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#

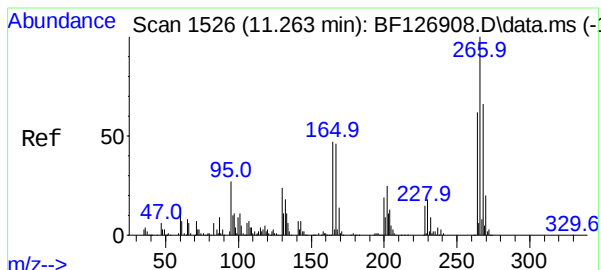
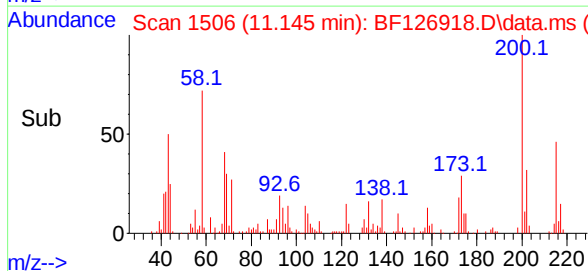
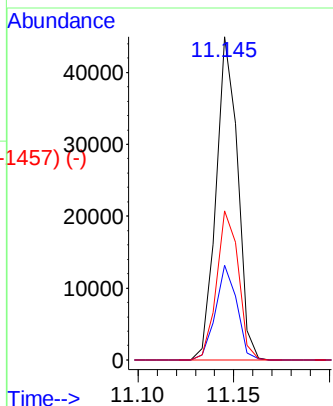
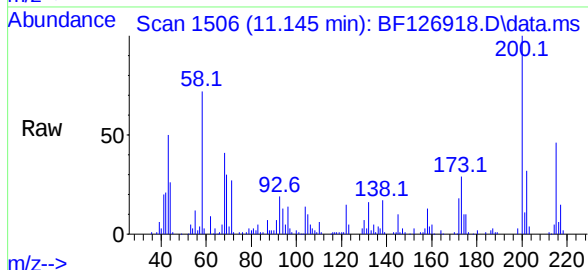




Atrazine
Concen: 8.323 ng
RT: 11.145 min Scan# 1509
Delta R.T. -0.012 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

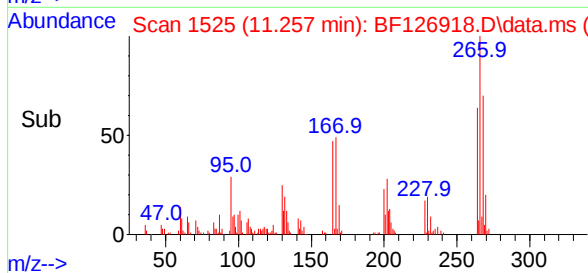
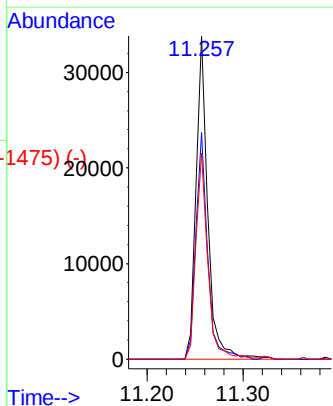
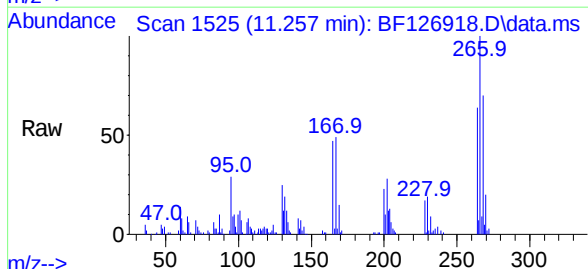
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:	200	Resp:	35243
Ion	Ratio	Lower	Upper
200	100		
173	29.3	9.2	49.2
215	46.1	23.2	63.2

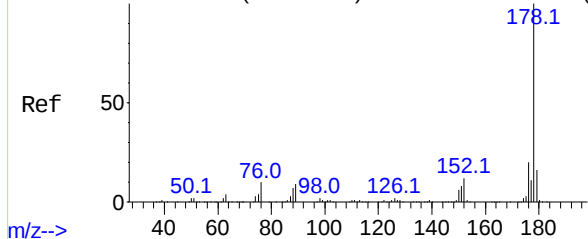


Pentachlorophenol
Concen: 10.680 ng
RT: 11.257 min Scan# 1525
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

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



Abundance Scan 1565 (11.492 min): BF126908.D\data.ms (-1565) (-)



Phenanthrene

Concen: 9.992 ng

RT: 11.486 min Scan# 1564

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

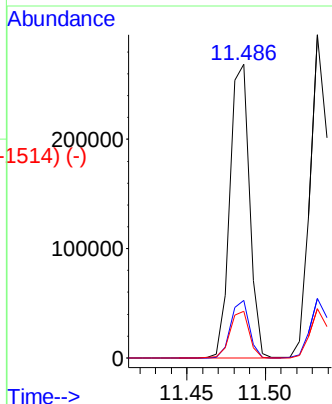
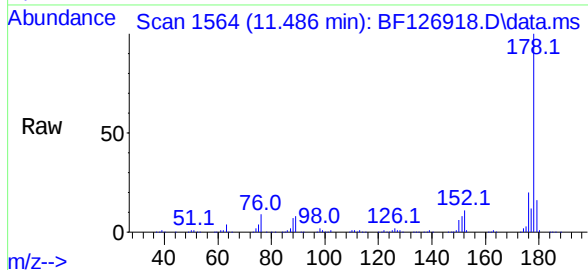
Tgt Ion:178 Resp: 232846

Ion Ratio Lower Upper

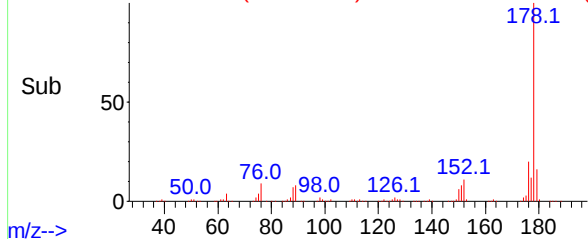
178 100

176 19.6 15.7 23.5

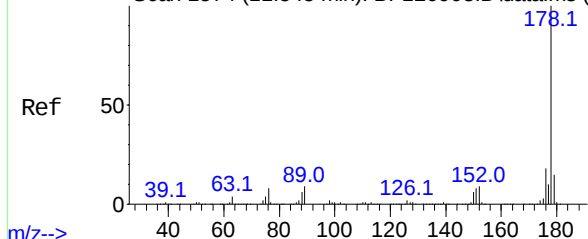
179 15.9 12.3 18.5



Abundance Scan 1564 (11.486 min): BF126918.D\data.ms (-1514) (-)



Abundance Scan 1574 (11.545 min): BF126908.D\data.ms (-1569) (-)



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

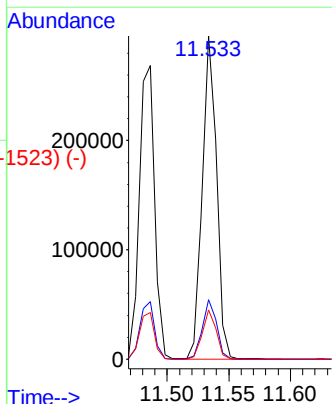
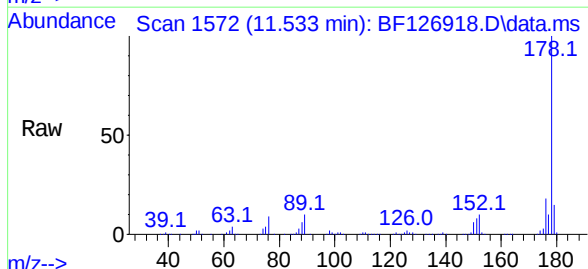
Tgt Ion:178 Resp: 238677

Ion Ratio Lower Upper

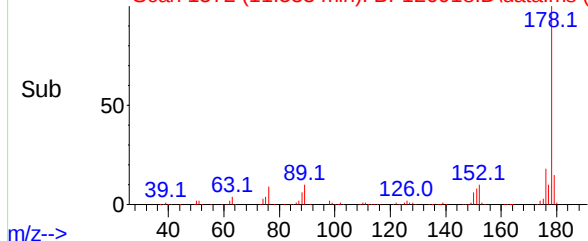
178 100

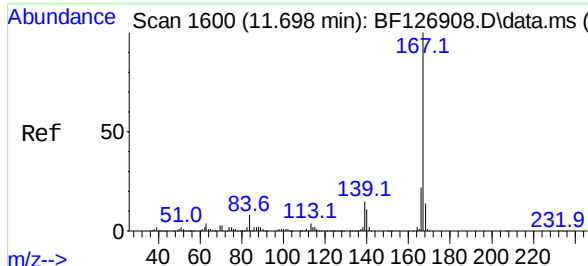
176 18.4 15.0 22.6

179 15.1 12.5 18.7



Abundance Scan 1572 (11.533 min): BF126918.D\data.ms (-1523) (-)

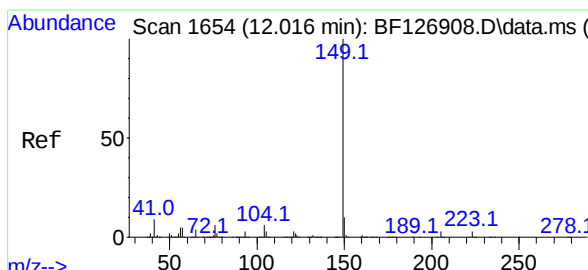
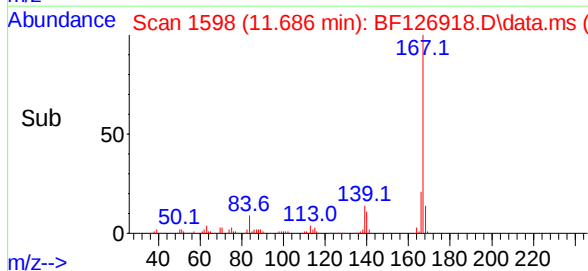
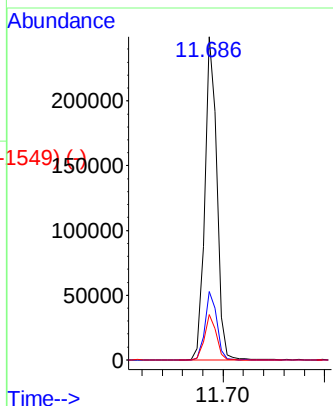
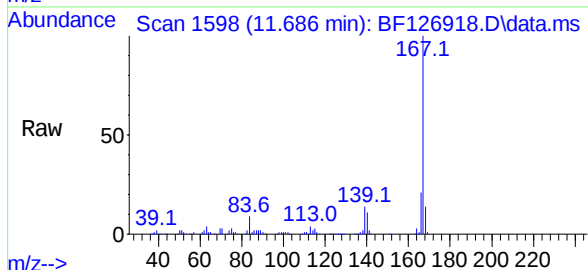




Carbazole
 Concen: 9.624 ng
 RT: 11.686 min Scan# 1598
 Delta R.T. -0.012 min
 Lab File: BF126918.D
 Acq: 16 Feb 2022 18:06

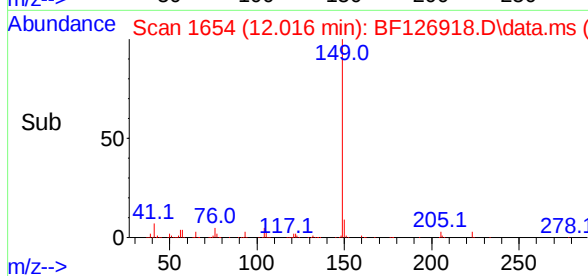
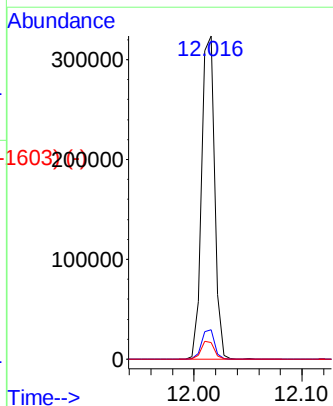
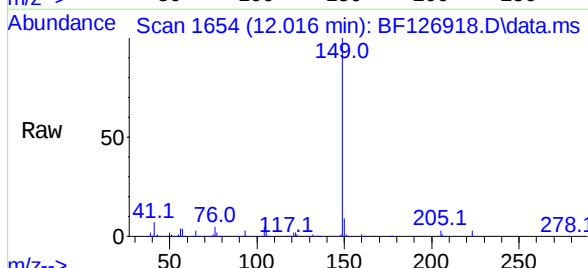
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

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



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



Abundance Scan 1767 (12.680 min): BF126908.D\data.ms (-1775) (-)

Fluoranthene

Concen: 9.986 ng

RT: 12.674 min Scan# 1767

Delta R.T. -0.006 min

Lab File: BF126918.D

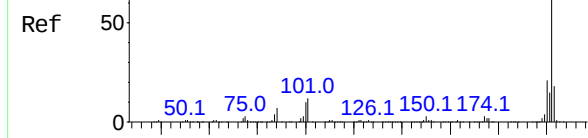
Acq: 16 Feb 2022 18:06

Instrument :

BNA_F

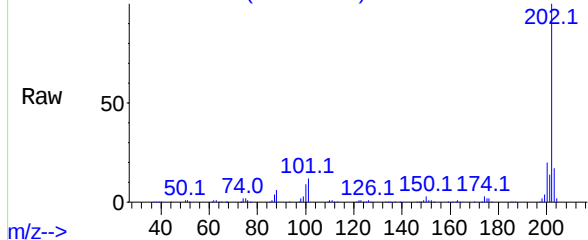
ClientSampleId :

LOQ-SOIL-02-QT4-2021



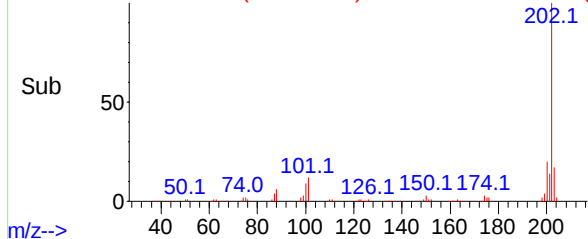
m/z-->

Abundance Scan 1766 (12.674 min): BF126918.D\data.ms



m/z-->

Abundance Scan 1766 (12.674 min): BF126918.D\data.ms (-1716) (-)



m/z-->

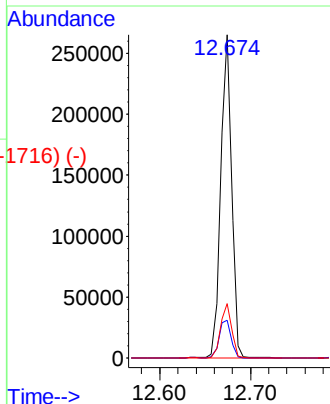
Tgt Ion:202 Resp: 220963

Ion Ratio Lower Upper

202 100

101 11.6 0.0 35.7

203 16.8 0.0 37.1



Abundance Scan 2010 (14.110 min): BF126908.D\data.ms (-2076) (-)

Chrysene-d12

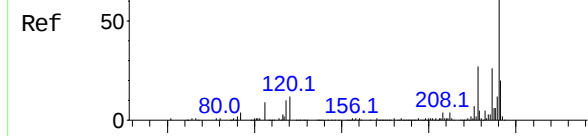
Concen: 20.000 ng

RT: 14.104 min Scan# 2009

Delta R.T. -0.006 min

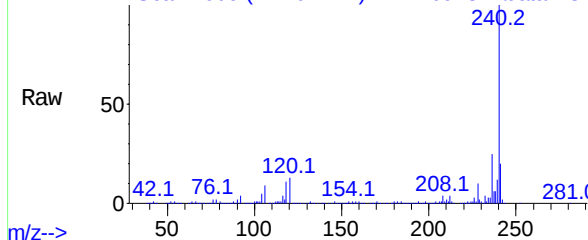
Lab File: BF126918.D

Acq: 16 Feb 2022 18:06



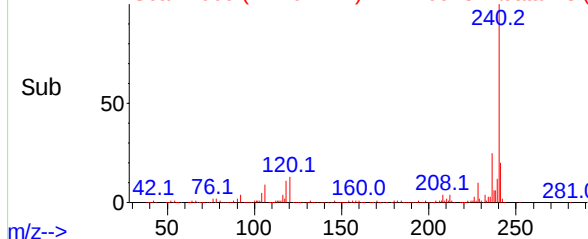
m/z-->

Abundance Scan 2009 (14.104 min): BF126918.D\data.ms



m/z-->

Abundance Scan 2009 (14.104 min): BF126918.D\data.ms (-1959) (-)



m/z-->

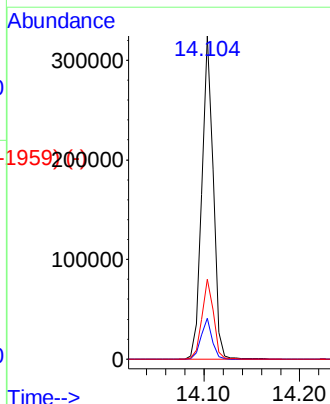
Tgt Ion:240 Resp: 265799

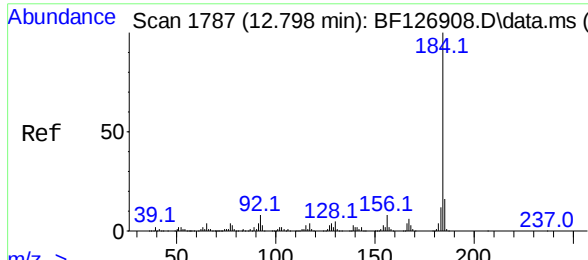
Ion Ratio Lower Upper

240 100

120 12.7 14.4 21.6#

236 24.7 20.5 30.7

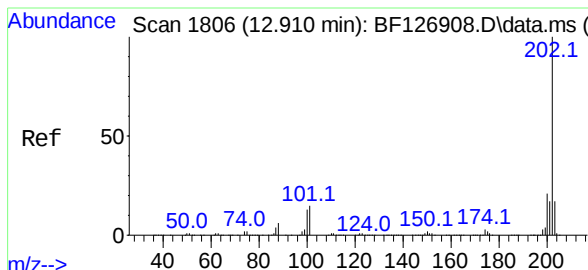
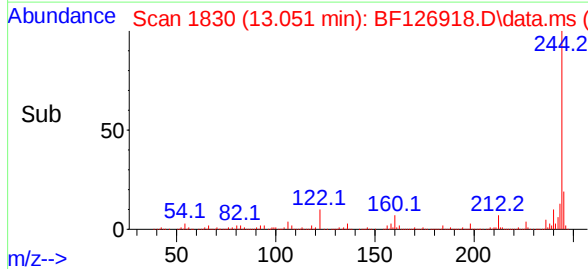
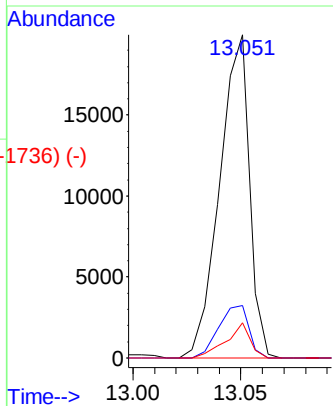
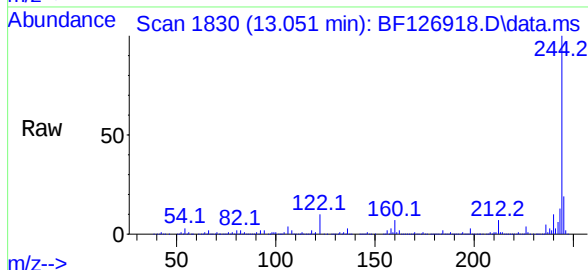




Benzidine
Concen: 2.675 ng
RT: 13.051 min Scan# 1787
Delta R.T. 0.253 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

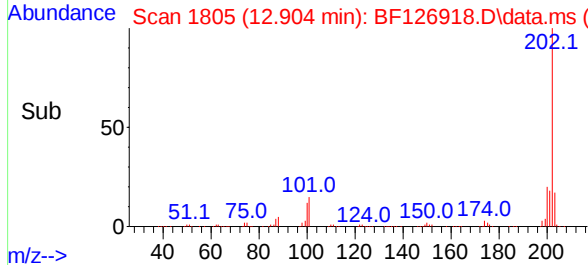
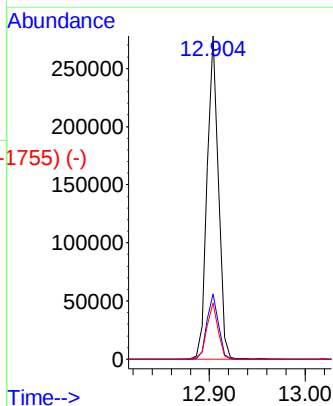
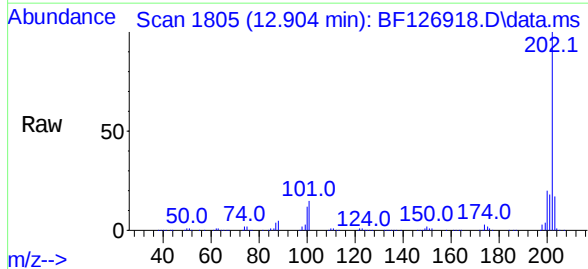
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2021

Tgt Ion:	184	Resp:	19323
Ion	Ratio	Lower	Upper
184	100		
185	16.3	11.8	17.8
183	10.8	8.2	12.2

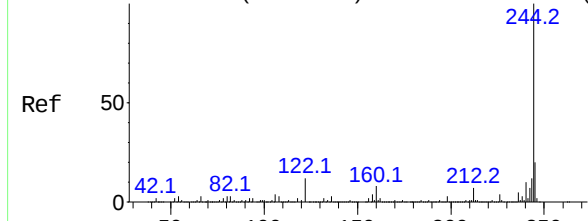


Pyrene
Concen: 9.797 ng
RT: 12.904 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

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



Abundance Scan 1830 (13.051 min): BF126908.D\data.ms (-1879) (-)



Terphenyl-d14

Concen: 68.743 ng

RT: 13.051 min Scan# 1879

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

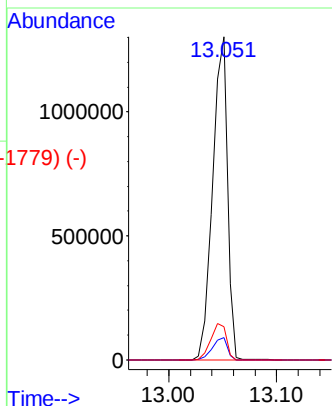
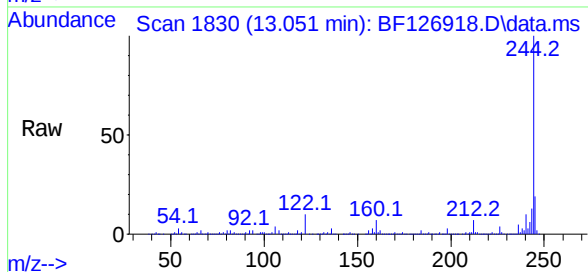
Tgt Ion:244 Resp: 1242942

Ion Ratio Lower Upper

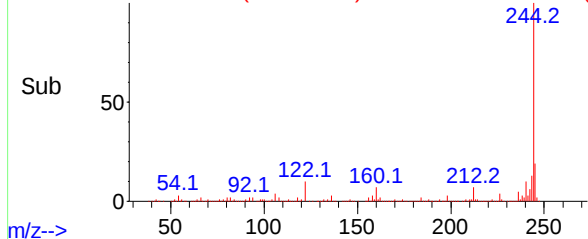
244 100

212 7.0 5.0 7.4

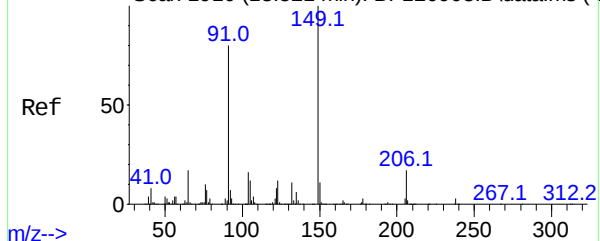
122 10.3 13.3 19.9#



Abundance Scan 1830 (13.051 min): BF126918.D\data.ms (-1779) (-)



Abundance Scan 1910 (13.521 min): BF126908.D\data.ms (-1909) (-)



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

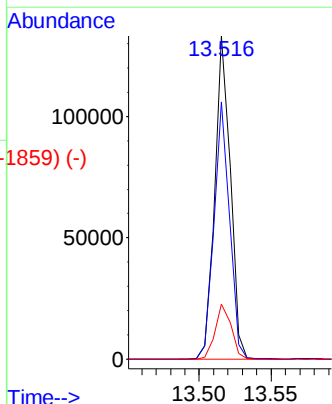
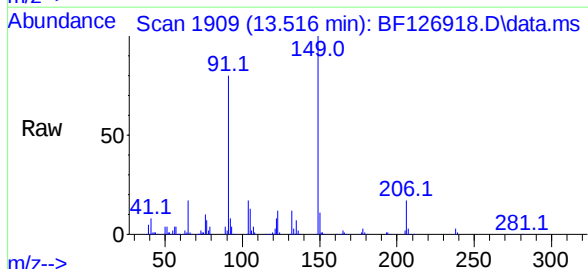
Tgt Ion:149 Resp: 99347

Ion Ratio Lower Upper

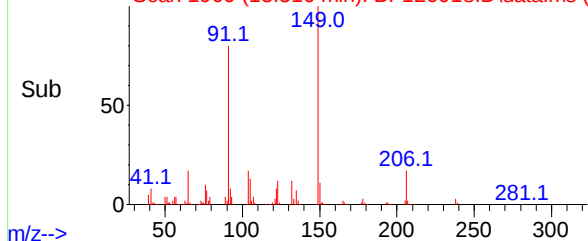
149 100

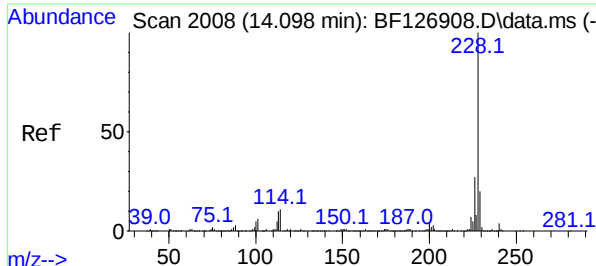
91 79.6 70.5 105.7

206 17.1 12.6 19.0



Abundance Scan 1909 (13.516 min): BF126918.D\data.ms (-1859) (-)

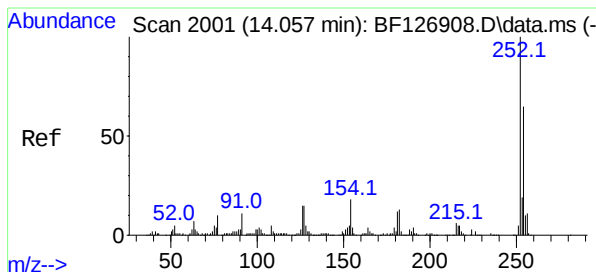
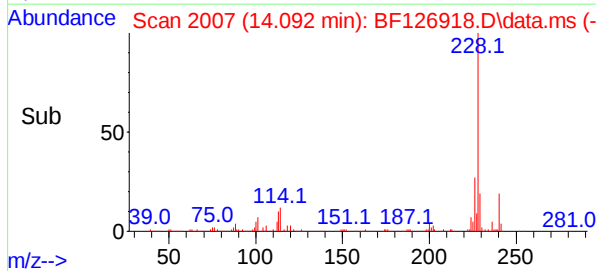
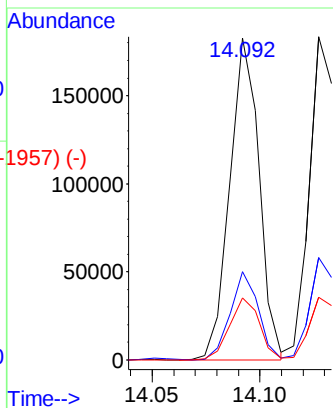
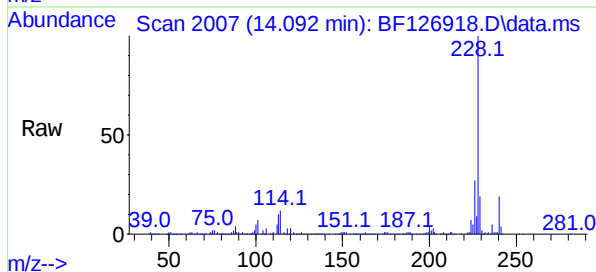




Benzo(a)anthracene
 Concen: 9.707 ng
 RT: 14.092 min Scan# 1957
 Delta R.T. -0.006 min
 Lab File: BF126918.D
 Acq: 16 Feb 2022 18:06

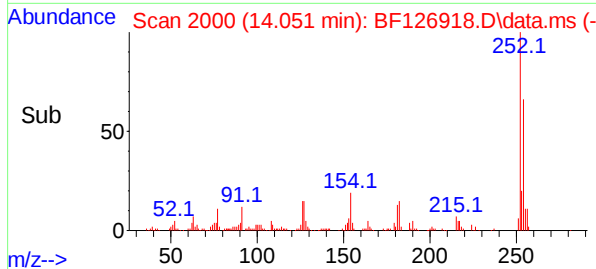
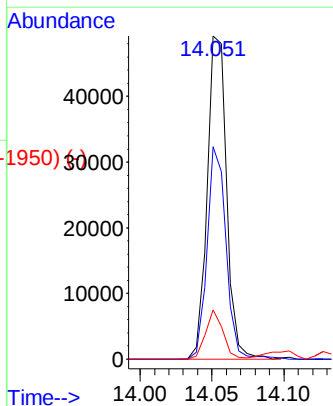
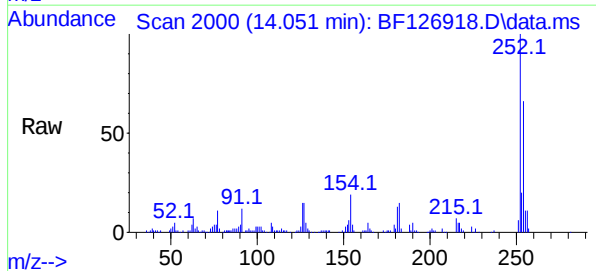
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

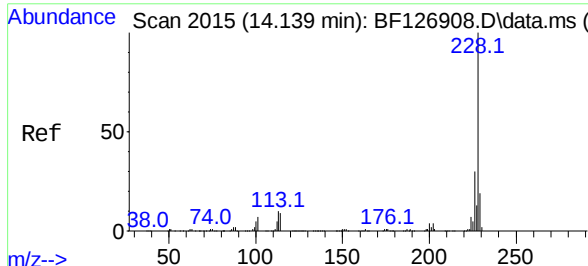
Tgt Ion:	228	Resp:	173938
Ion Ratio	Lower	Upper	
228	100		
226	27.3	21.4	32.0
229	19.2	15.4	23.2



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

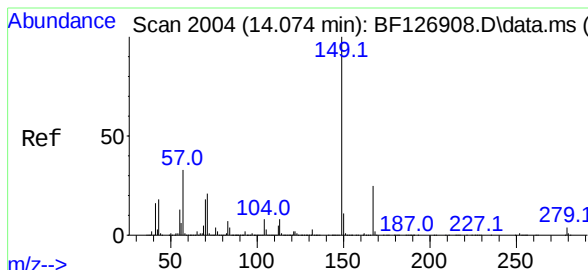
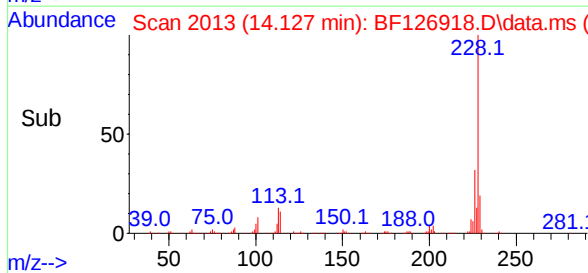
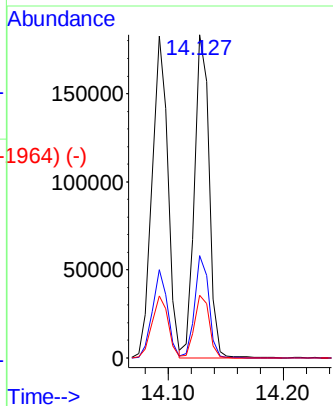
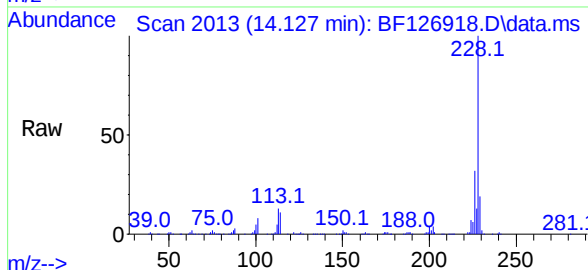




Chrysene
 Concen: 9.562 ng
 RT: 14.127 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF126918.D
 Acq: 16 Feb 2022 18:06

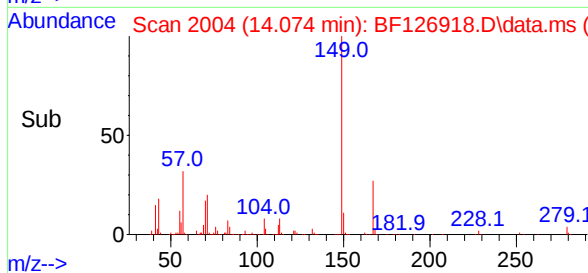
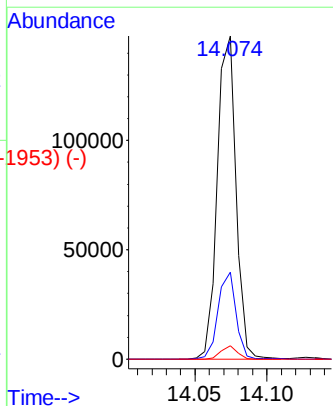
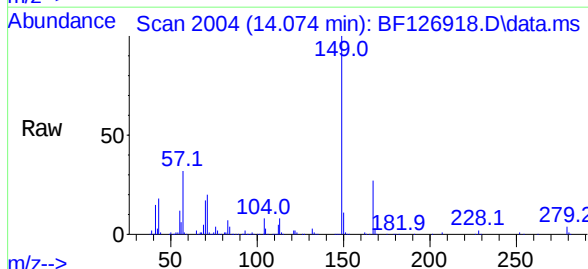
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

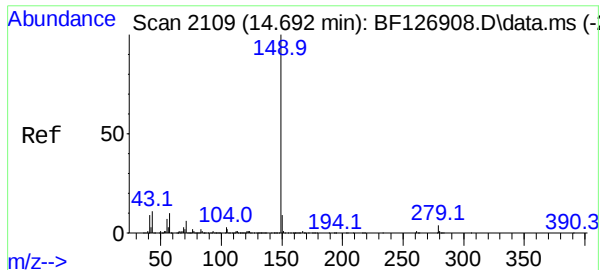
Tgt Ion:	228	Resp:	161125
Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.7	35.5
229	19.5	15.5	23.3



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#

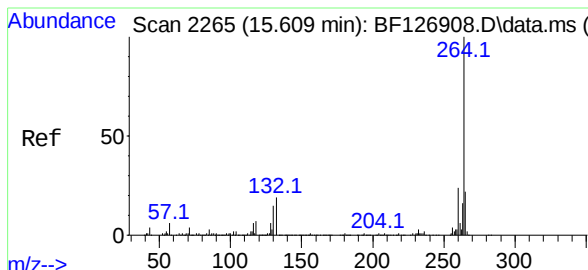
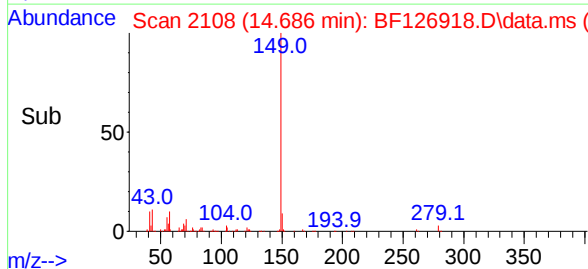
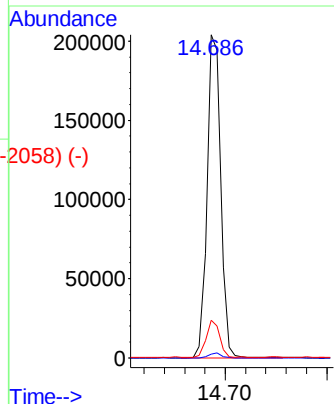
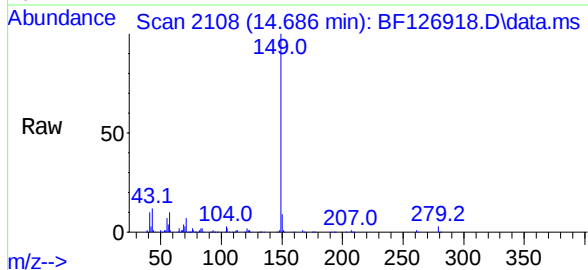




Di-n-octyl phthalate
Concen: 9.230 ng
RT: 14.686 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BF126918.D
Acq: 16 Feb 2022 18:06

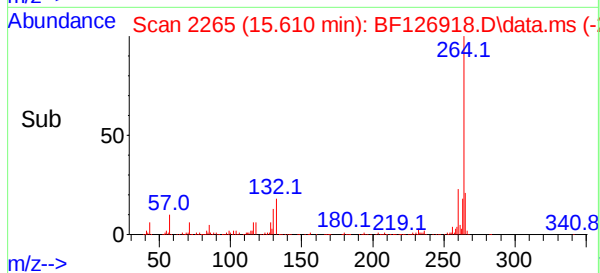
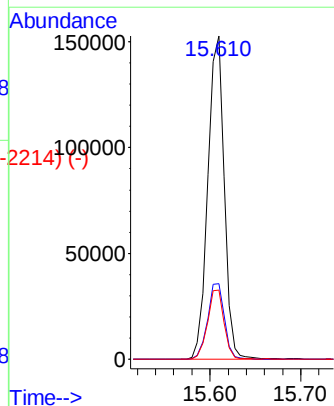
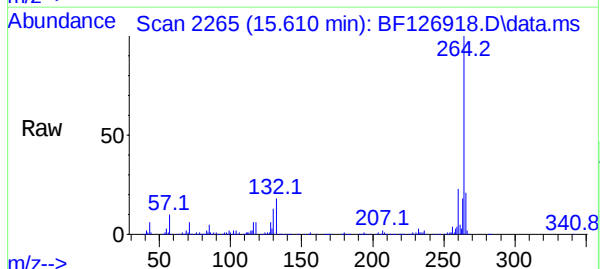
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2021

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



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



Abundance Scan 2527 (17.150 min): BF126908.D\data.ms (-2515) (-)

Indeno(1,2,3-cd)pyrene

Concen: 9.198 ng

RT: 17.133 min Scan# 2187

Delta R.T. -0.018 min

Lab File: BF126918.D

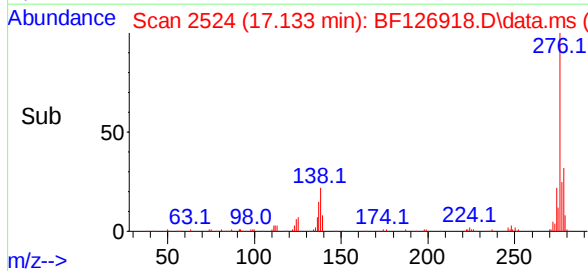
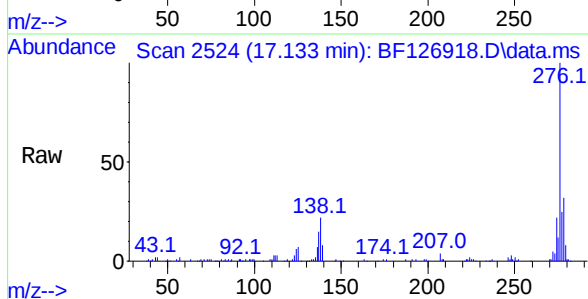
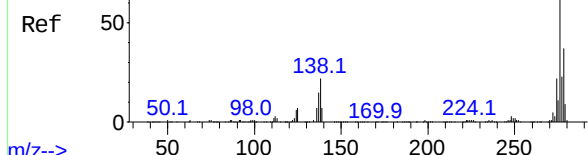
Acq: 16 Feb 2022 18:06

Instrument :

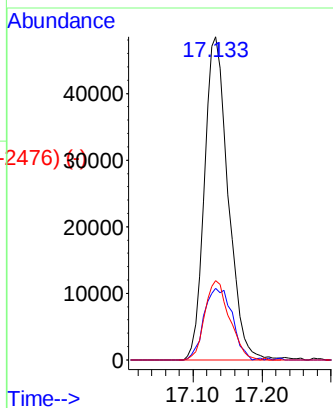
BNA_F

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



Abundance Scan 2190 (15.168 min): BF126908.D\data.ms (-2188) (-)

Benzo(b)fluoranthene

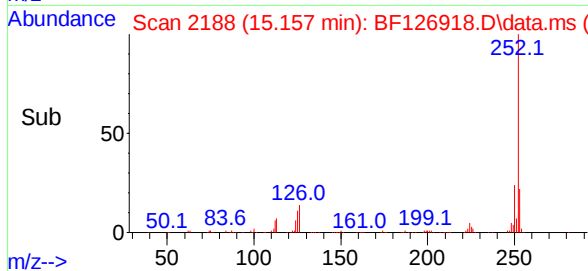
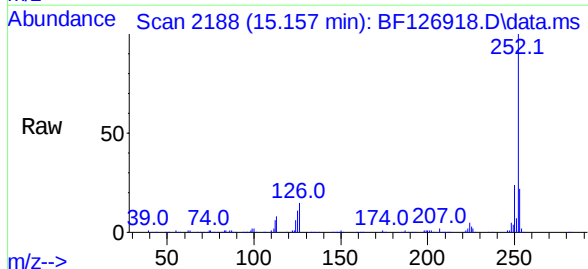
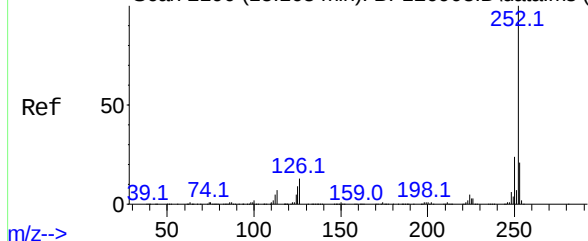
Concen: 10.703 ng

RT: 15.157 min Scan# 2188

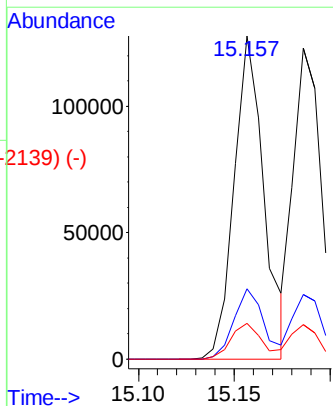
Delta R.T. -0.012 min

Lab File: BF126918.D

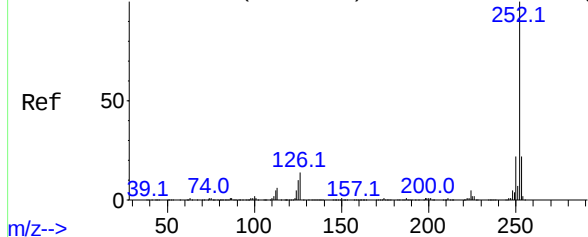
Acq: 16 Feb 2022 18:06



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#



Abundance Scan 2195 (15.198 min): BF126908.D\data.ms (-2159) (-)



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

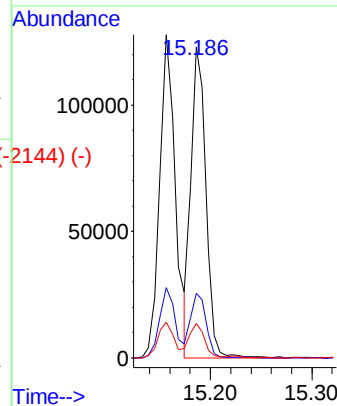
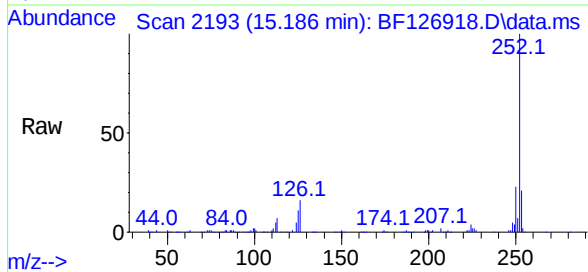
Tgt Ion:252 Resp: 126020

Ion Ratio Lower Upper

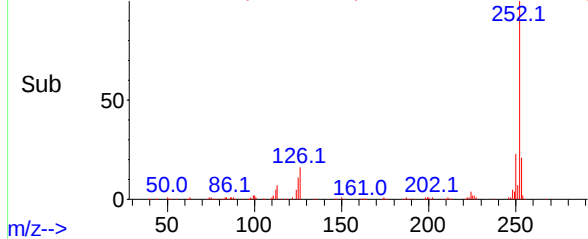
252 100

253 20.9 17.5 26.3

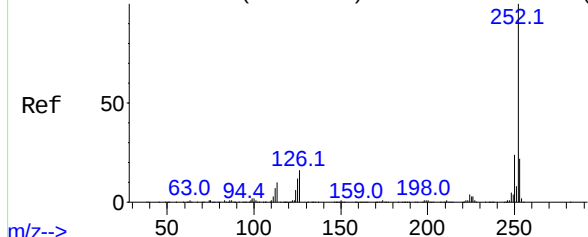
125 11.0 11.8 17.6#



Abundance Scan 2193 (15.186 min): BF126918.D\data.ms (-2144) (-)



Abundance Scan 2254 (15.545 min): BF126908.D\data.ms (-2249) (-)



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

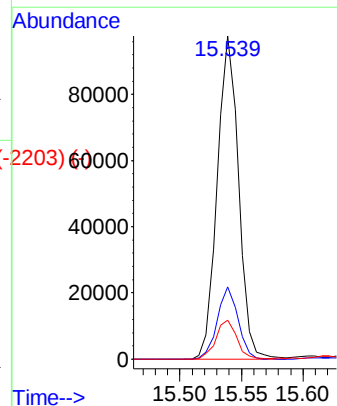
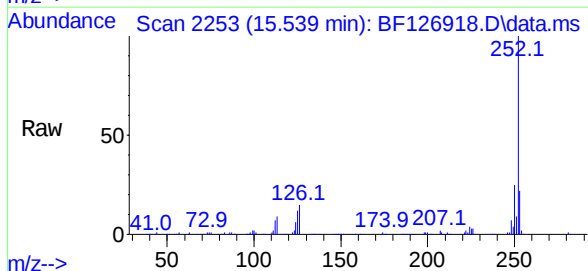
Tgt Ion:252 Resp: 117579

Ion Ratio Lower Upper

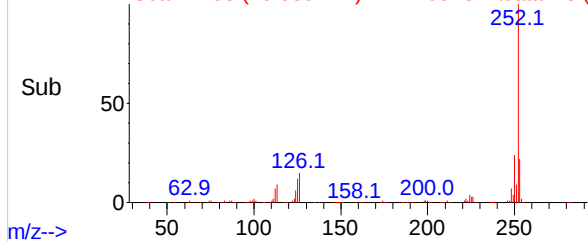
252 100

253 22.4 17.1 25.7

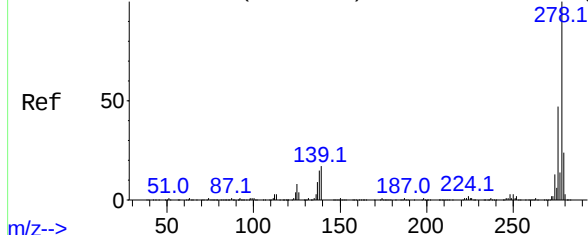
125 12.1 13.0 19.6#



Abundance Scan 2253 (15.539 min): BF126918.D\data.ms (-2203) (-)



Abundance Scan 2530 (17.168 min): BF126908.D\data.ms (-2530) (-)



Dibenzo(a,h)anthracene

Concen: 9.608 ng

RT: 17.151 min Scan# 2530

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

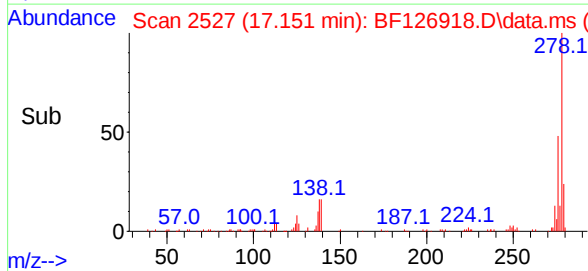
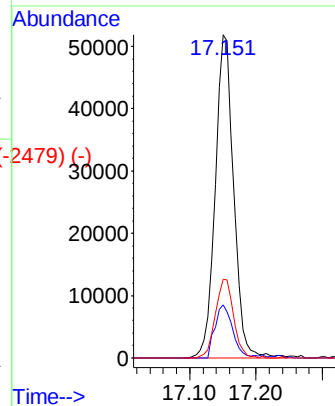
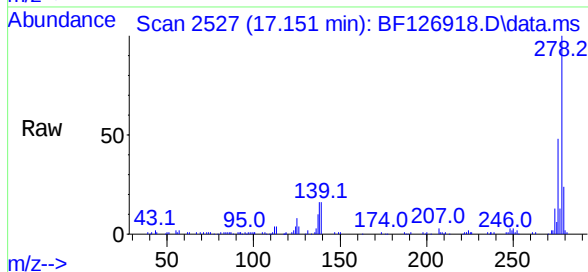
Tgt Ion:278 Resp: 99926

Ion Ratio Lower Upper

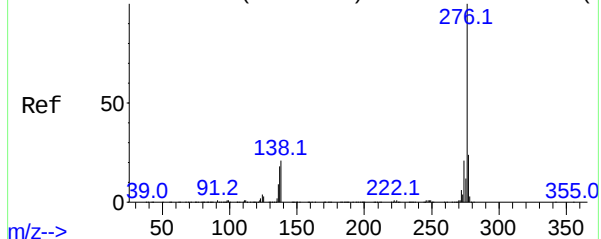
278 100

139 16.5 18.0 27.0#

279 24.3 18.6 27.8



Abundance Scan 2607 (17.621 min): BF126908.D\data.ms (-2592) (-)



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#

