

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111521\
 Data File : BP007982.D
 Acq On : 15 Nov 2021 14:11
 Operator : CG/JU
 Sample : M4068-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 15 14:41:21 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 12:21:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.840	152	123208	20.000	ng	0.00
21) Naphthalene-d8	10.640	136	490597	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	355182	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	812717	20.000	ng	# 0.00
76) Chrysene-d12	21.339	240	999034	20.000	ng	# 0.00
86) Perylene-d12	23.751	264	1136342	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	870553	114.622	ng	0.00
7) Phenol-d6	7.016	99	1164730	115.274	ng	0.00
23) Nitrobenzene-d5	8.999	82	696250	75.946	ng	0.00
42) 2,4,6-Tribromophenol	15.981	330	671941	120.239	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	1784805	70.487	ng	0.00
79) Terphenyl-d14	19.810	244	3106255	63.047	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.334	88	15018	4.698	ng	99
3) Pyridine	3.746	79	35540	3.876	ng	97
4) n-Nitrosodimethylamine	3.646	42	17163	5.068	ng	92
6) Aniline	7.169	93	55010	4.821	ng	96
8) 2-Chlorophenol	7.405	128	36526	4.549	ng	99
9) Benzaldehyde	6.981	77	33891	5.201	ng	97
10) Phenol	7.040	94	46217	4.715	ng	85
11) bis(2-Chloroethyl)ether	7.269	93	34726	4.311	ng	97
12) 1,3-Dichlorobenzene	7.728	146	41334	4.578	ng	96
13) 1,4-Dichlorobenzene	7.875	146	42947	4.678	ng	97
14) 1,2-Dichlorobenzene	8.193	146	41125	4.436	ng	98
15) Benzyl Alcohol	8.087	79	32143	4.206	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.369	45	42493	4.365	ng	93
17) 2-Methylphenol	8.293	107	28194	4.176	ng	94
18) Hexachloroethane	8.922	117	14182	4.556	ng	92
19) n-Nitroso-di-n-propyla...	8.652	70	26734	4.250	ng	94
20) 3+4-Methylphenols	8.622	107	38282	4.092	ng	95
22) Acetophenone	8.669	105	53682	4.302	ng	# 97
24) Nitrobenzene	9.040	77	44259	5.051	ng	99
25) Isophorone	9.575	82	69020	4.328	ng	# 97
26) 2-Nitrophenol	9.757	139	18206	4.070	ng	# 90
27) 2,4-Dimethylphenol	9.822	122	32543	4.925	ng	89
28) bis(2-Chloroethoxy)met...	10.057	93	46280	4.374	ng	97
29) 2,4-Dichlorophenol	10.293	162	33974	4.177	ng	92
30) 1,2,4-Trichlorobenzene	10.510	180	40871	4.392	ng	99
31) Naphthalene	10.693	128	118970	4.749	ng	98
32) Benzoic acid	9.910	122	11412	1.999	ng	99
33) 4-Chloroaniline	10.804	127	47996	4.460	ng	99
34) Hexachlorobutadiene	10.981	225	29475	4.635	ng	96
35) Caprolactam	11.593	113	9947	5.569	ng	93
36) 4-Chloro-3-methylphenol	11.940	107	38406	4.179	ng	98
37) 2-Methylnaphthalene	12.304	142	89149	4.869	ng	98
38) 1-Methylnaphthalene	12.304	142	89149	4.992	ng	96
40) 1,2,4,5-Tetrachloroben...	12.675	216	50710	4.285	ng	98
41) Hexachlorocyclopentadiene	12.657	237	18686	3.439	ng	99
43) 2,4,6-Trichlorophenol	12.922	196	30354	3.753	ng	94

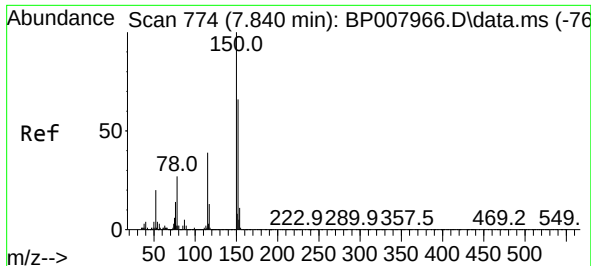
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111521\
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 QLast Update : Mon Nov 15 12:21:36 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	33208	3.779	ng	97
46) 1,1'-Biphenyl	13.316	154	115482	4.353	ng	97
47) 2-Chloronaphthalene	13.357	162	90825	4.377	ng	98
48) 2-Nitroaniline	13.563	65	21363	3.627	ng	92
49) Acenaphthylene	14.204	152	139545	4.420	ng	99
50) Dimethylphthalate	13.945	163	123083	4.380	ng	99
51) 2,6-Dinitrotoluene	14.057	165	23847	4.085	ng	97
52) Acenaphthene	14.545	154	87469	4.629	ng	99
53) 3-Nitroaniline	14.392	138	22602	3.797	ng	97
54) 2,4-Dinitrophenol	14.610	184	7562	2.146	ng	92
55) Dibenzofuran	14.886	168	148385	4.618	ng	98
56) 4-Nitrophenol	14.722	139	15975	3.293	ng	91
57) 2,4-Dinitrotoluene	14.851	165	31058	3.997	ng	97
58) Fluorene	15.534	166	117748	4.605	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.116	232	31725	3.964	ng	# 91
60) Diethylphthalate	15.310	149	118673	4.381	ng	99
61) 4-Chlorophenyl-phenyle...	15.534	204	63834	4.616	ng	95
62) 4-Nitroaniline	15.557	138	22357	3.655	ng	93
63) Azobenzene	15.828	77	95772	4.200	ng	97
65) 4,6-Dinitro-2-methylph...	15.622	198	14728	2.765	ng	90
66) n-Nitrosodiphenylamine	15.745	169	104269	4.482	ng	99
67) 4-Bromophenyl-phenylether	16.428	248	41047	4.318	ng	98
68) Hexachlorobenzene	16.551	284	48342	4.516	ng	92
69) Atrazine	16.704	200	39135	6.453	ng	99
70) Pentachlorophenol	16.898	266	23647	3.622	ng	95
71) Phenanthrene	17.286	178	200183	4.623	ng	99
72) Anthracene	17.375	178	193514	4.559	ng	99
73) Carbazole	17.651	167	175533	4.199	ng	100
74) Di-n-butylphthalate	18.210	149	190706	4.031	ng	99
75) Fluoranthene	19.257	202	248358	4.530	ng	97
77) Benzidine	19.439	184	114495	7.469	ng	98
78) Pyrene	19.610	202	264102	4.421	ng	98
80) Butylbenzylphthalate	20.492	149	88645	3.594	ng	93
81) Benzo(a)anthracene	21.321	228	284574	4.327	ng	100
82) 3,3'-Dichlorobenzidine	21.257	252	102541	3.378	ng	99
83) Chrysene	21.374	228	288141	4.571	ng	97
84) Bis(2-ethylhexyl)phtha...	21.257	149	143367	4.071	ng	# 97
85) Di-n-octyl phthalate	22.186	149	244411	3.766	ng	98
87) Indeno(1,2,3-cd)pyrene	26.262	276	367108	4.475	ng	# 95
88) Benzo(b)fluoranthene	23.015	252	318832	4.714	ng	98
89) Benzo(k)fluoranthene	23.063	252	307468	4.550	ng	97
90) Benzo(a)pyrene	23.645	252	299848	5.183	ng	# 98
91) Dibenzo(a,h)anthracene	26.286	278	309591	4.549	ng	96
92) Benzo(g,h,i)perylene	27.033	276	307156	4.578	ng	95

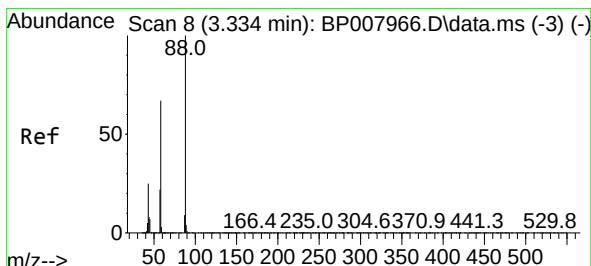
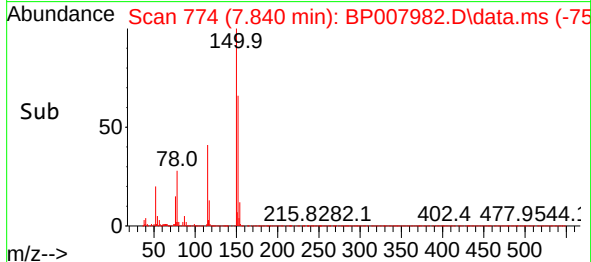
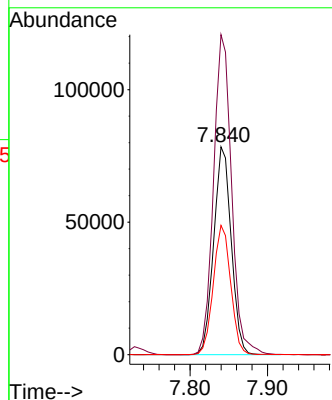
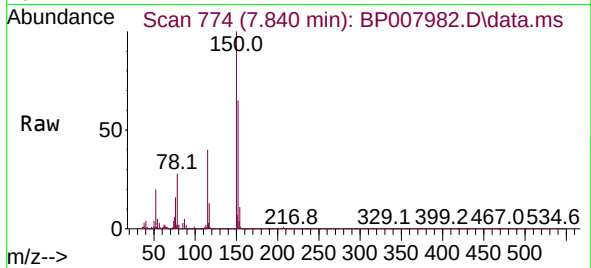
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.840 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

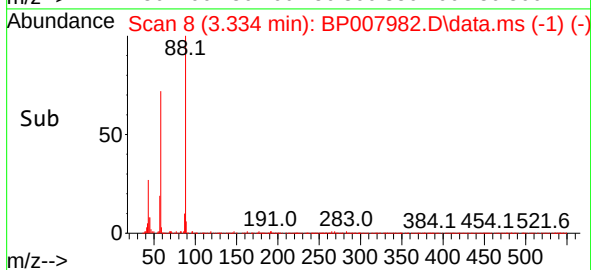
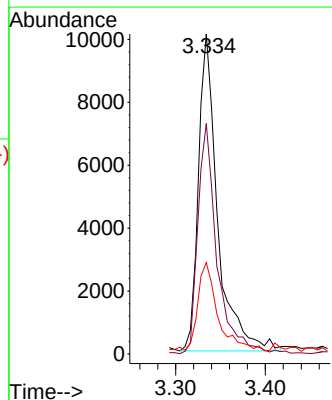
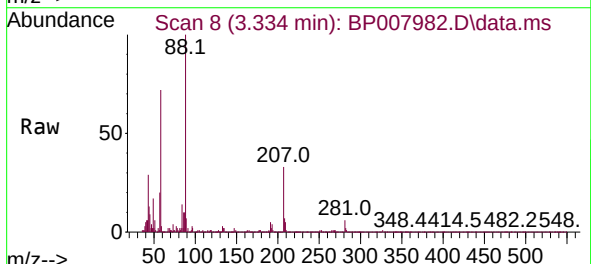
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

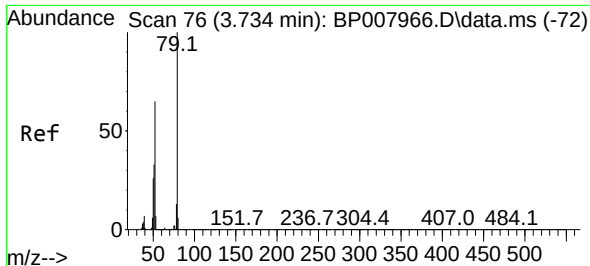
Tgt Ion:152 Resp: 123208
Ion Ratio Lower Upper
152 100
150 153.9 124.1 186.1
115 62.2 48.1 72.1



#2
1,4-Dioxane
Concen: 4.698 ng
RT: 3.334 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion: 88 Resp: 15018
Ion Ratio Lower Upper
88 100
58 71.4 58.1 87.1
43 28.7 22.2 33.4

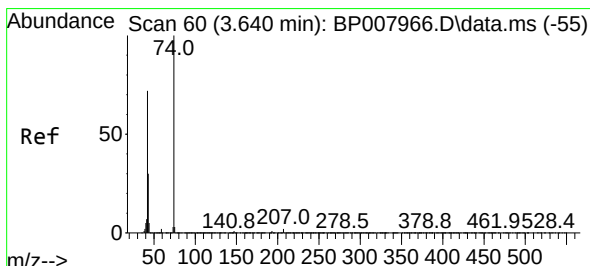
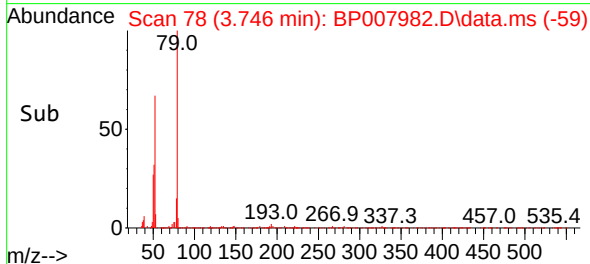
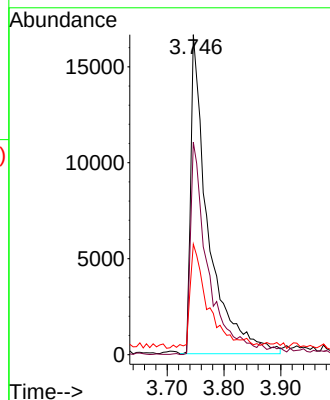
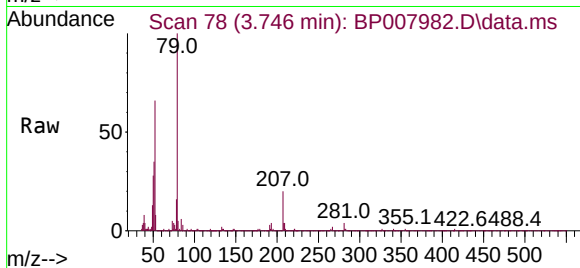




#3
 Pyridine
 Concen: 3.876 ng
 RT: 3.746 min Scan# 76
 Delta R.T. 0.012 min
 Lab File: BP007982.D
 Acq: 15 Nov 2021 14:11

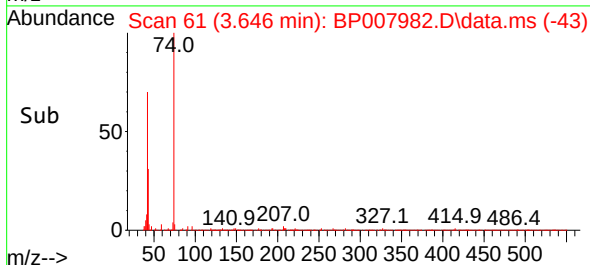
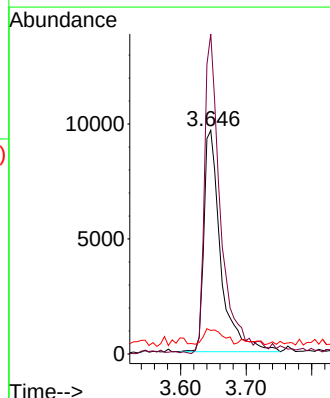
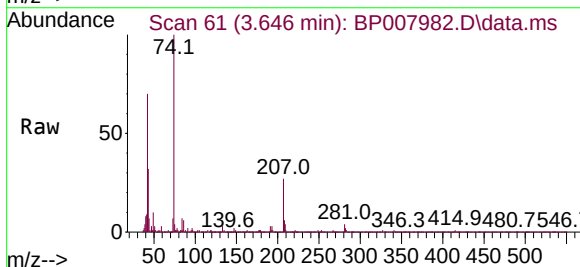
Instrument :
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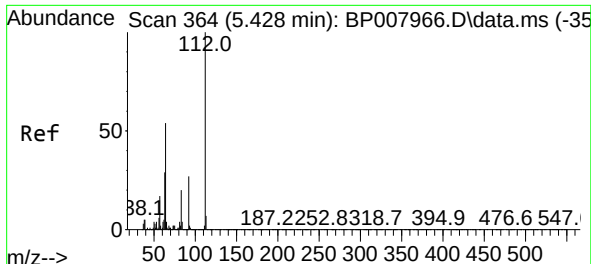
Tgt Ion: 79	Resp: 35540
Ion Ratio	Lower Upper
79 100	
52 66.4	55.7 83.5
51 34.5	28.5 42.7



#4
 n-Nitrosodimethylamine
 Concen: 5.068 ng
 RT: 3.646 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: BP007982.D
 Acq: 15 Nov 2021 14:11

Tgt Ion: 42	Resp: 17163
Ion Ratio	Lower Upper
42 100	
74 143.2	107.0 160.4
44 10.5	7.4 11.2

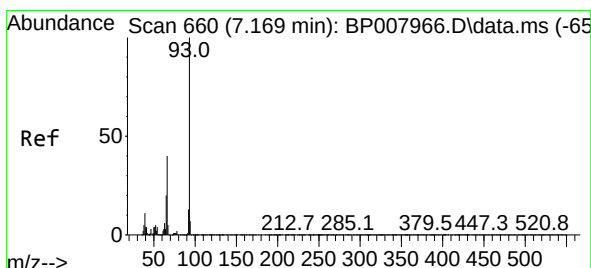
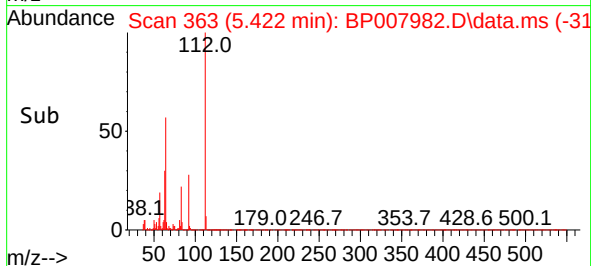
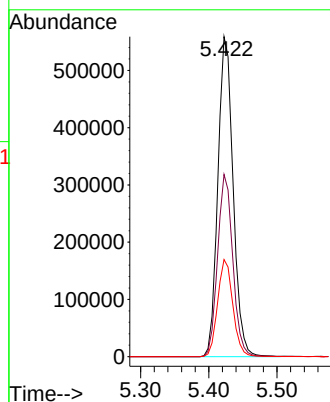
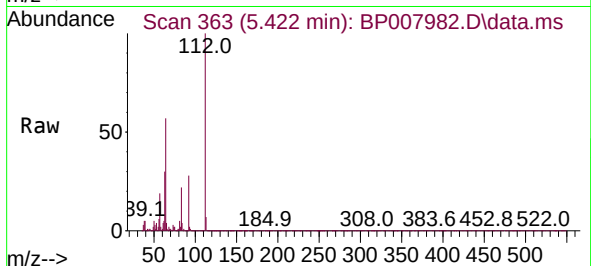




#5
2-Fluorophenol
Concen: 114.622 ng
RT: 5.422 min Scan# 30
Delta R.T. -0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

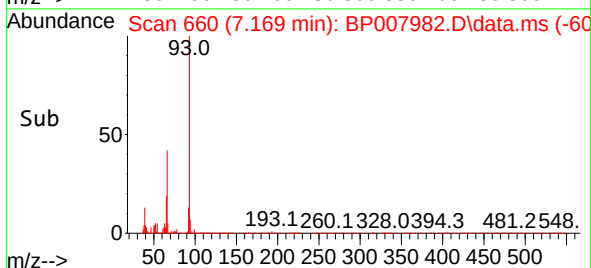
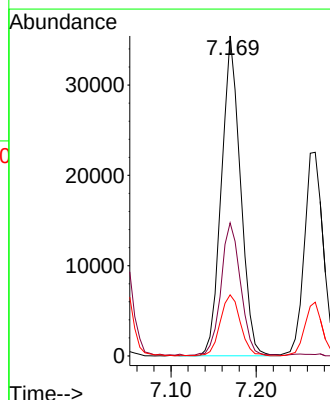
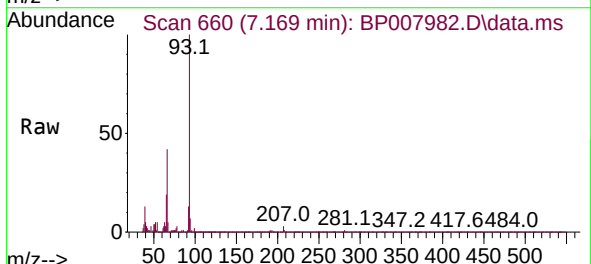
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ClientSampleId :
LOQ-SOIL-02-QT4-2021

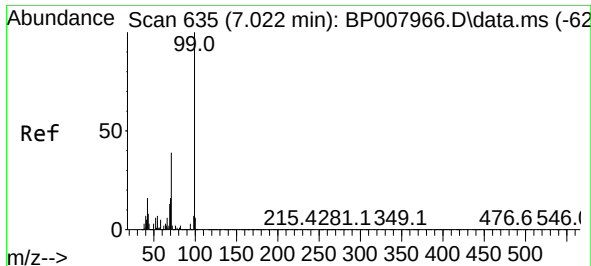
Tgt Ion:112 Resp: 870553
Ion Ratio Lower Upper
112 100
64 57.0 46.6 70.0
63 30.4 25.0 37.6



#6
Aniline
Concen: 4.821 ng
RT: 7.169 min Scan# 660
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion: 93 Resp: 55010
Ion Ratio Lower Upper
93 100
66 41.6 30.5 45.7
65 19.1 15.8 23.8

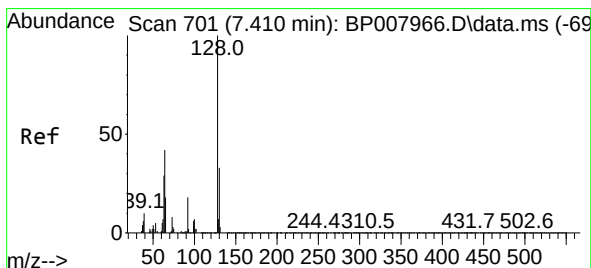
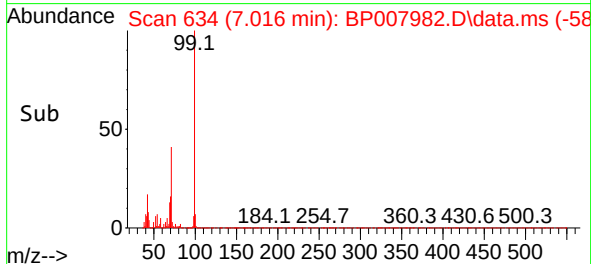
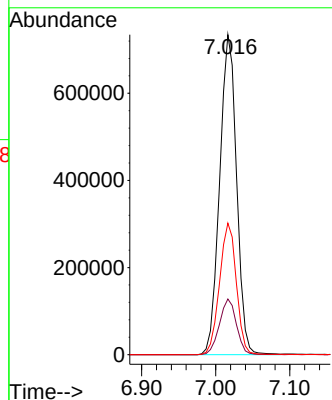
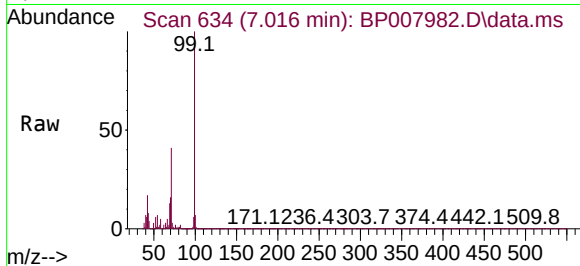




#7
Phenol-d6
Concen: 115.274 ng
RT: 7.016 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

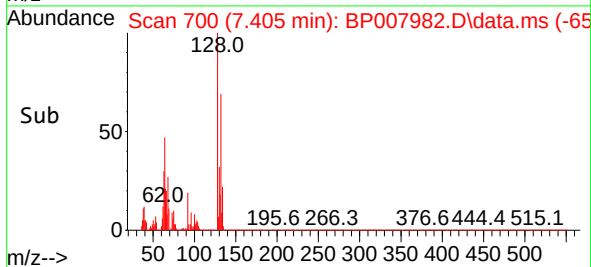
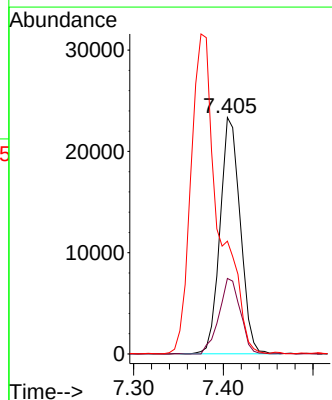
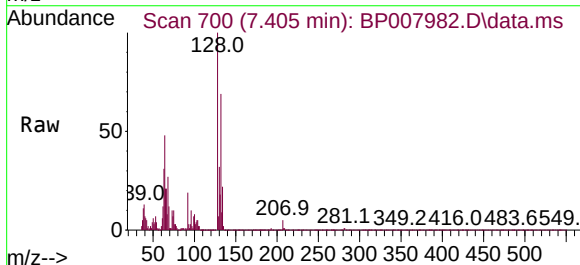
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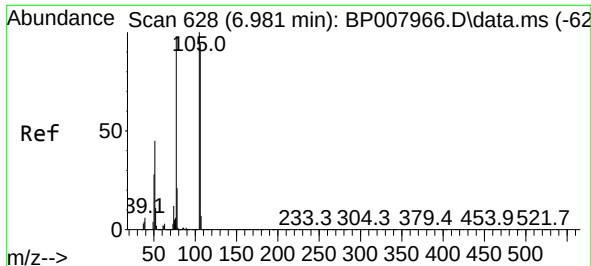
Tgt Ion: 99 Resp: 1164730
Ion Ratio Lower Upper
99 100
42 17.4 14.9 22.3
71 41.1 29.2 43.8



#8
2-Chlorophenol
Concen: 4.549 ng
RT: 7.405 min Scan# 700
Delta R.T. -0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion: 128 Resp: 36526
Ion Ratio Lower Upper
128 100
130 31.9 12.0 52.0
64 47.7 27.0 67.0

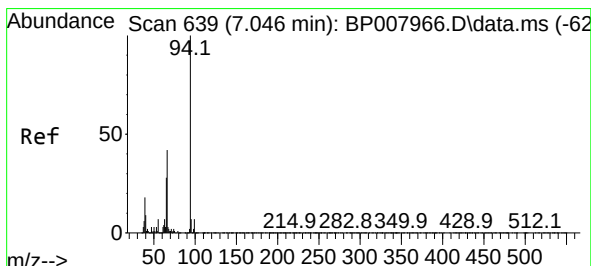
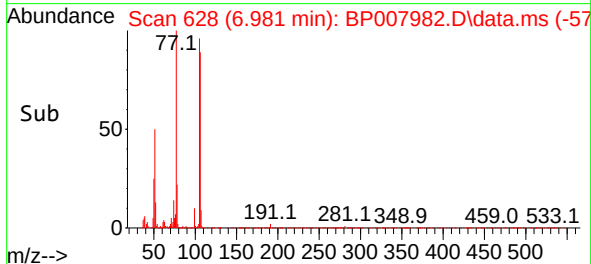
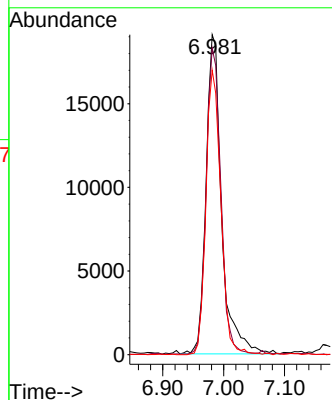
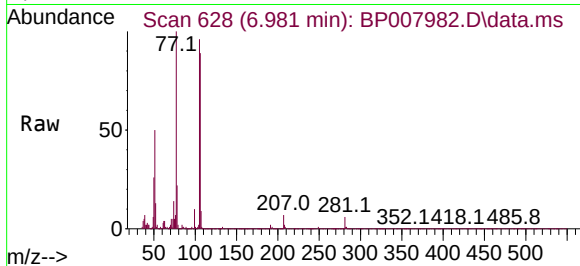




#9
Benzaldehyde
Concen: 5.201 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

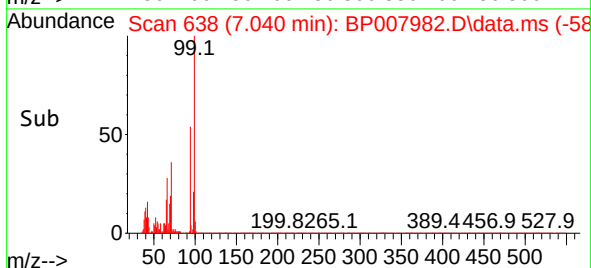
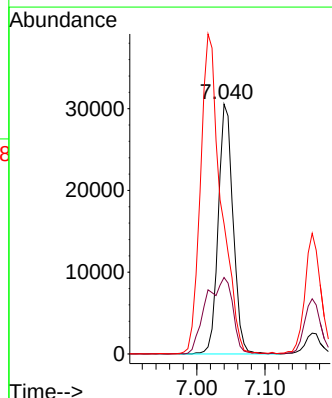
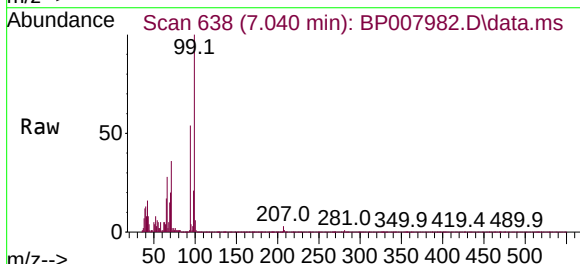
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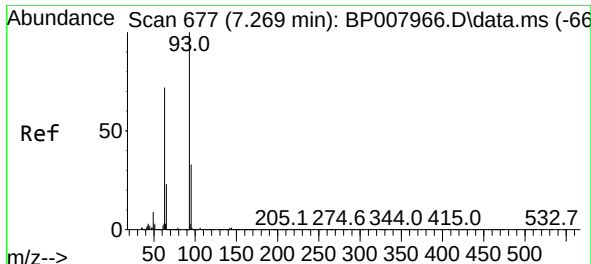
Tgt Ion: 77 Resp: 33891
Ion Ratio Lower Upper
77 100
105 95.7 77.5 117.5
106 88.9 72.1 112.1



#10
Phenol
Concen: 4.715 ng
RT: 7.040 min Scan# 638
Delta R.T. -0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion: 94 Resp: 46217
Ion Ratio Lower Upper
94 100
65 30.6 8.2 48.2
66 52.2 18.8 58.8





#11

bis(2-Chloroethyl)ether

Concen: 4.311 ng

RT: 7.269 min Scan# 61

Delta R.T. 0.000 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

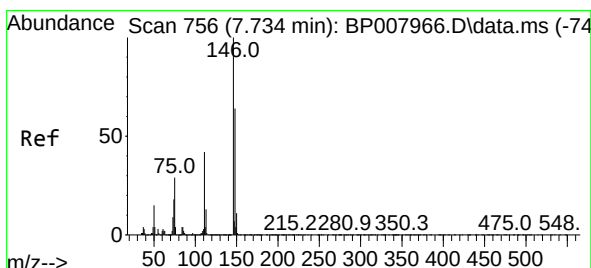
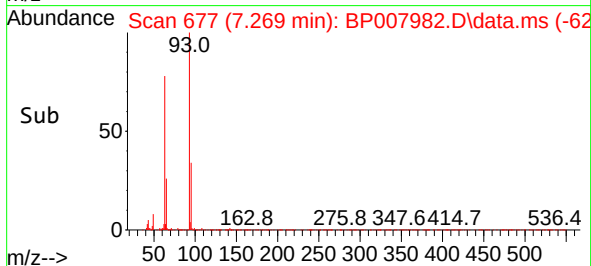
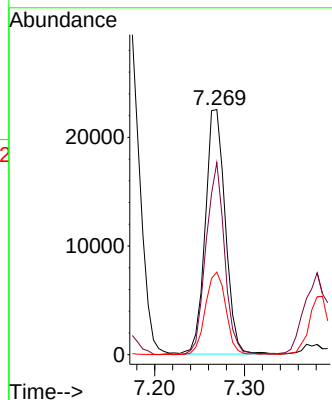
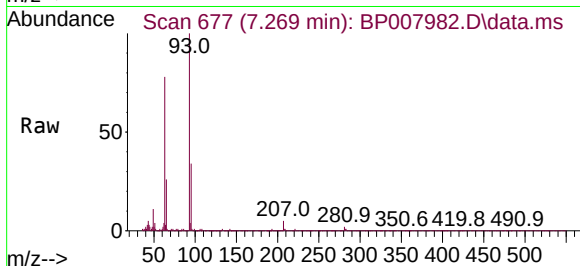
Tgt Ion: 93 Resp: 34726

Ion Ratio Lower Upper

93 100

63 78.4 55.7 95.7

95 33.7 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 4.578 ng

RT: 7.728 min Scan# 755

Delta R.T. -0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

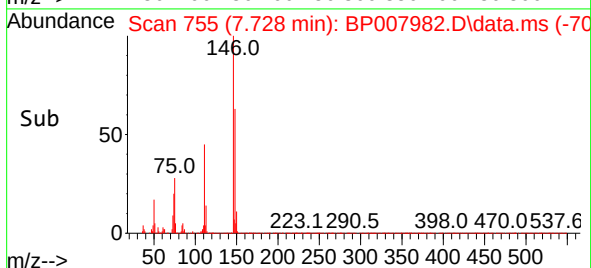
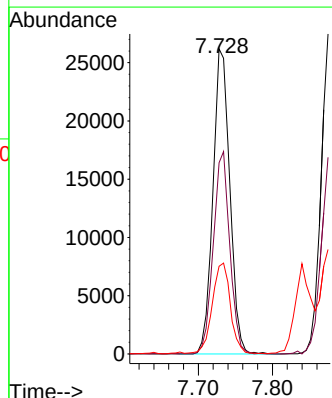
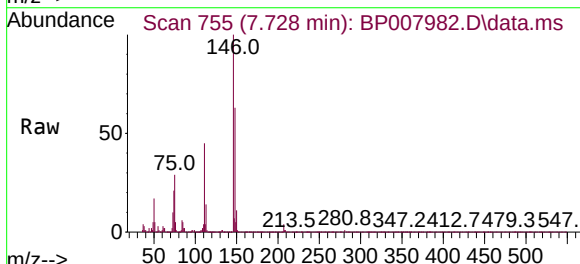
Tgt Ion: 146 Resp: 41334

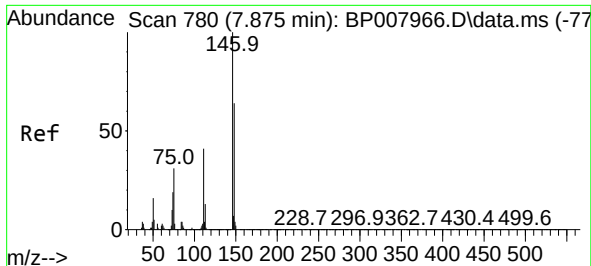
Ion Ratio Lower Upper

146 100

148 62.7 51.4 77.0

75 28.7 26.1 39.1

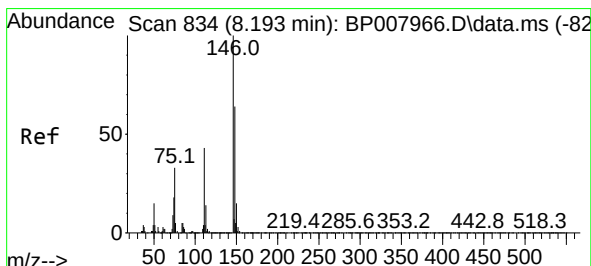
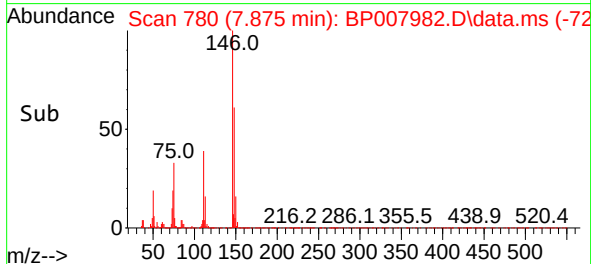
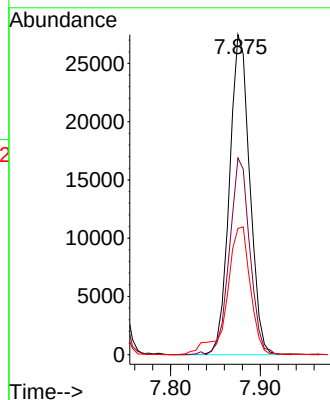
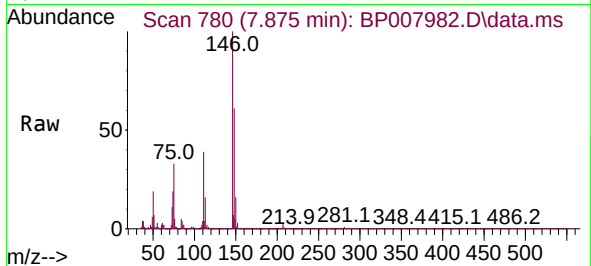




#13
1,4-Dichlorobenzene
Concen: 4.678 ng
RT: 7.875 min Scan# 780
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

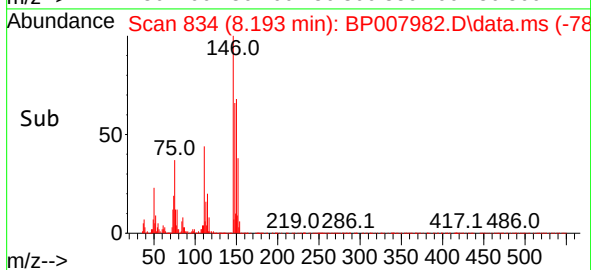
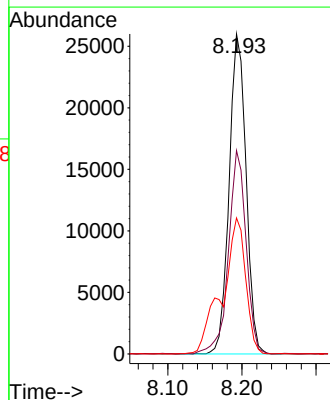
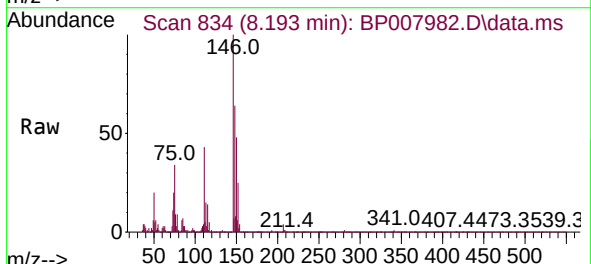
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

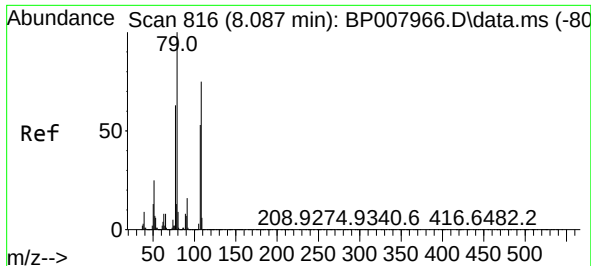
Tgt Ion:146 Resp: 42947
Ion Ratio Lower Upper
146 100
148 61.5 51.0 76.6
111 39.5 32.8 49.2



#14
1,2-Dichlorobenzene
Concen: 4.436 ng
RT: 8.193 min Scan# 834
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:146 Resp: 41125
Ion Ratio Lower Upper
146 100
148 63.5 51.5 77.3
111 42.5 35.1 52.7

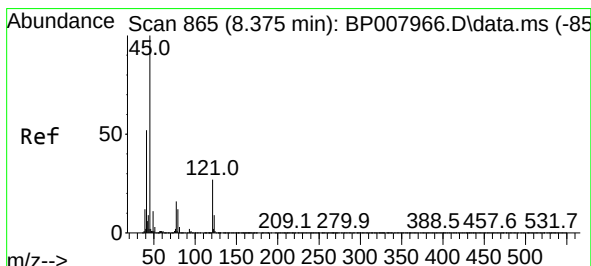
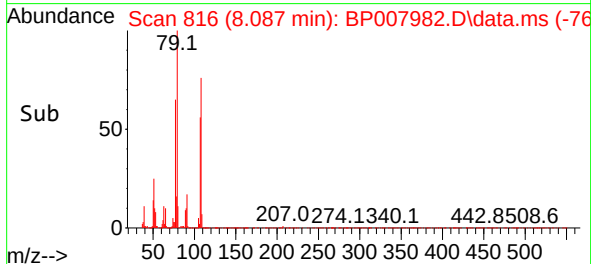
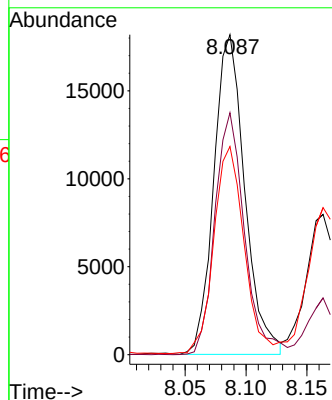
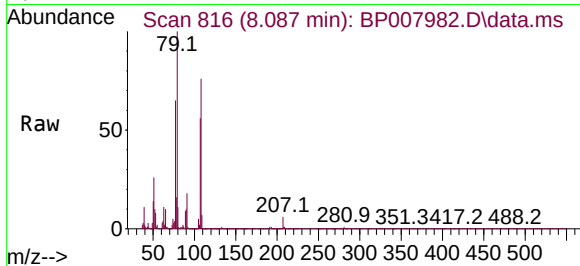




#15
Benzyl Alcohol
Concen: 4.206 ng
RT: 8.087 min Scan# 816
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

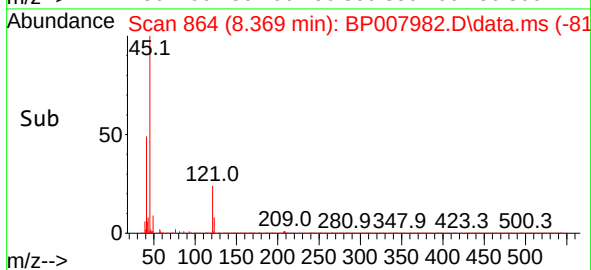
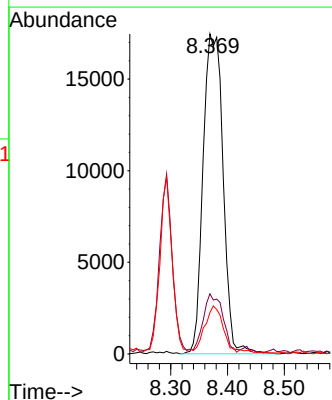
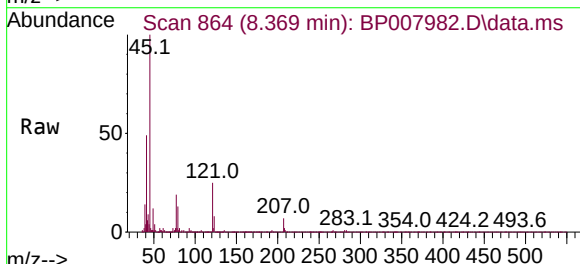
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

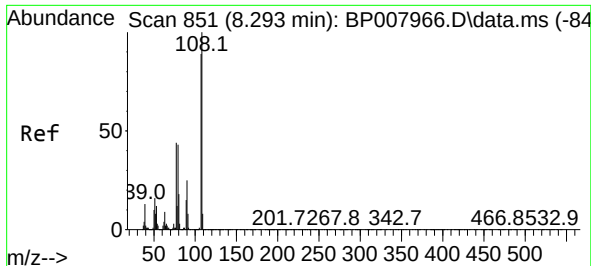
Tgt Ion: 79 Resp: 32143
Ion Ratio Lower Upper
79 100
108 75.6 59.9 89.9
77 65.1 51.1 76.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.365 ng
RT: 8.369 min Scan# 864
Delta R.T. -0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion: 45 Resp: 42493
Ion Ratio Lower Upper
45 100
77 18.8 0.0 34.9
79 13.0 0.0 31.7

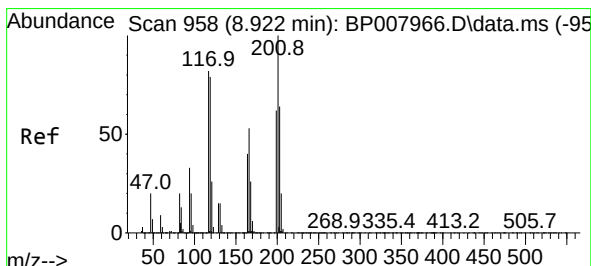
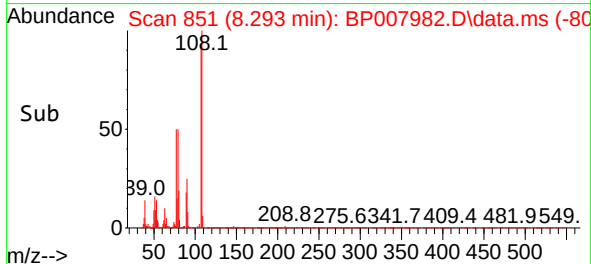
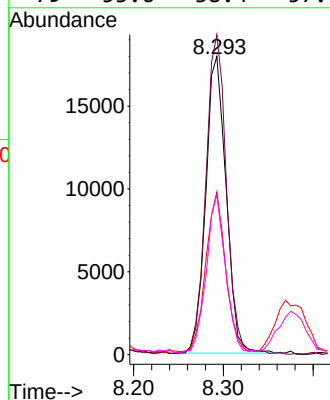
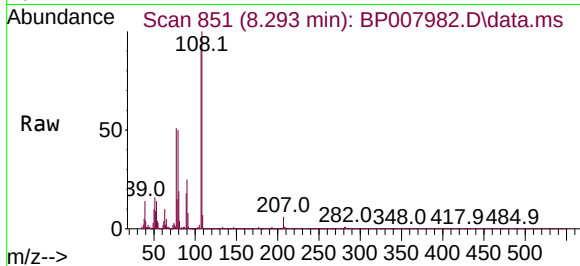




#17
2-Methylphenol
Concen: 4.176 ng
RT: 8.293 min Scan# 851
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

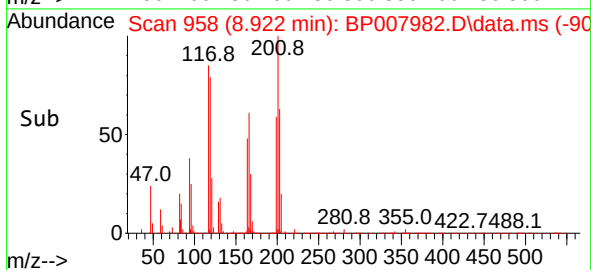
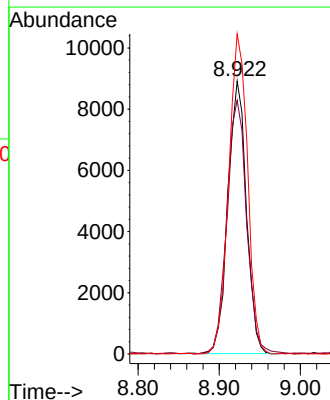
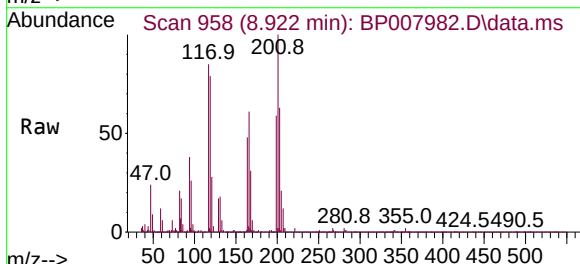
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

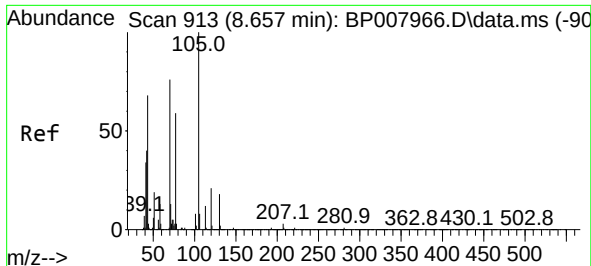
Tgt Ion:	107	Resp:	28194
Ion	Ratio	Lower	Upper
107	100		
108	107.3	89.2	133.8
77	54.6	38.5	57.7
79	53.6	38.4	57.6



#18
Hexachloroethane
Concen: 4.556 ng
RT: 8.922 min Scan# 958
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:	117	Resp:	14182
Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.6	116.4
201	117.3	82.9	124.3

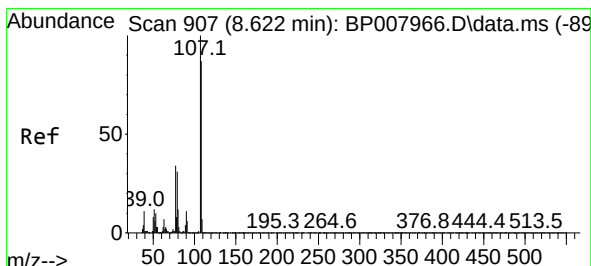
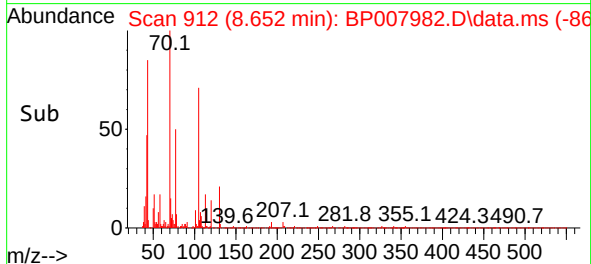
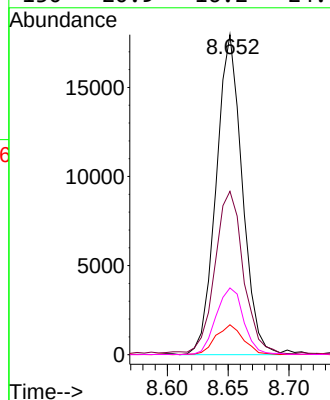
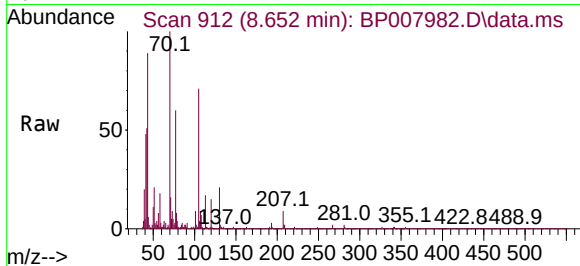




#19
n-Nitroso-di-n-propylamine
Concen: 4.250 ng
RT: 8.652 min Scan# 913
Delta R.T. -0.005 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

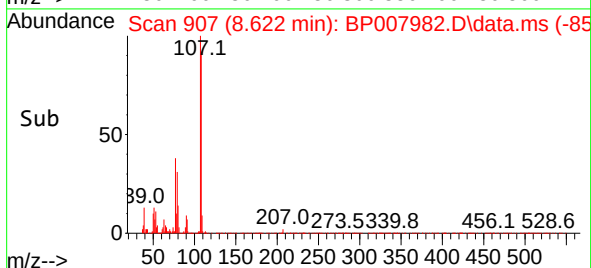
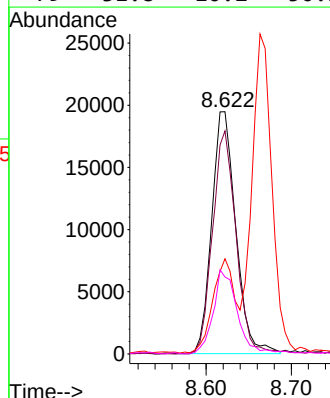
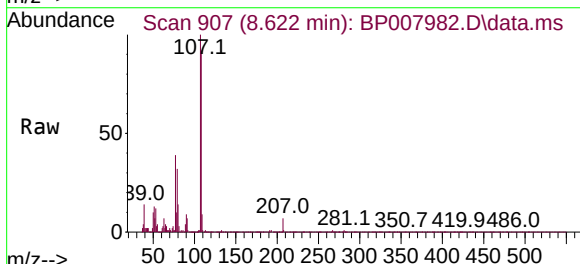
Instrument :
BNA_P
ClientSampleId :
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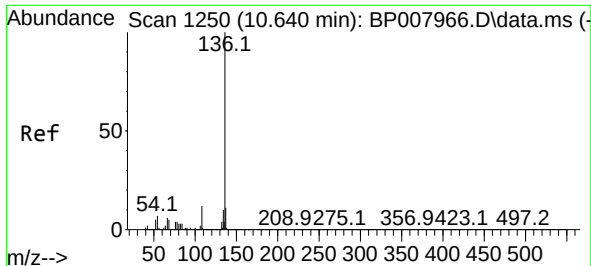
Tgt Ion:	70	Resp:	26734
Ion	Ratio	Lower	Upper
70	100		
42	51.0	46.2	69.2
101	9.3	7.7	11.5
130	20.9	16.2	24.4



#20
3+4-Methylphenols
Concen: 4.092 ng
RT: 8.622 min Scan# 907
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:	107	Resp:	38282
Ion	Ratio	Lower	Upper
107	100		
108	92.1	69.2	109.2
77	39.3	13.8	53.8
79	31.8	10.2	50.2

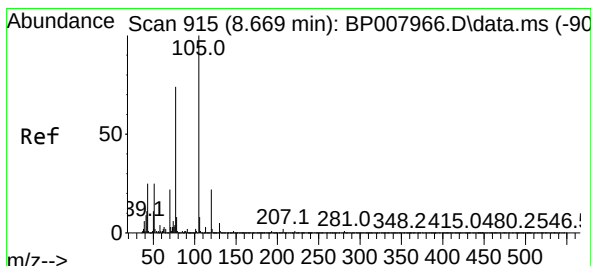
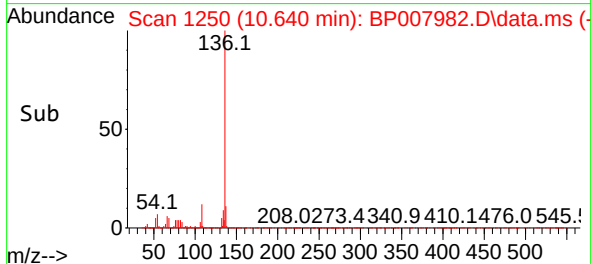
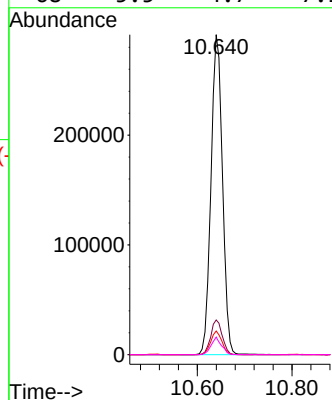
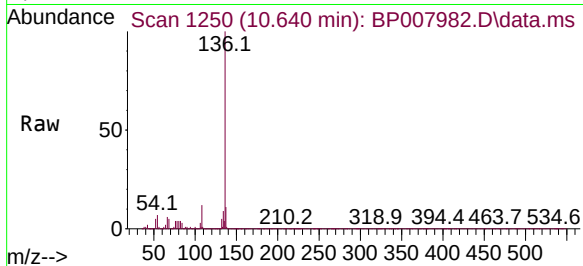




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

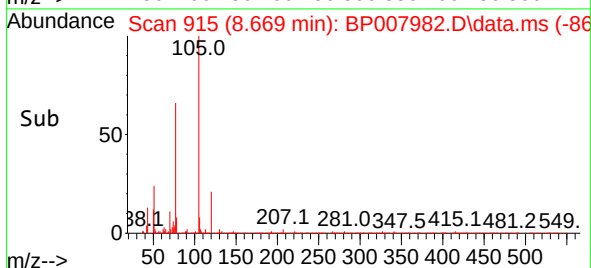
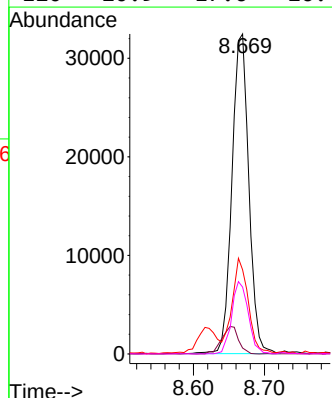
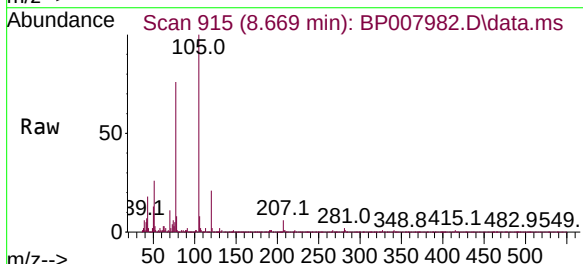
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

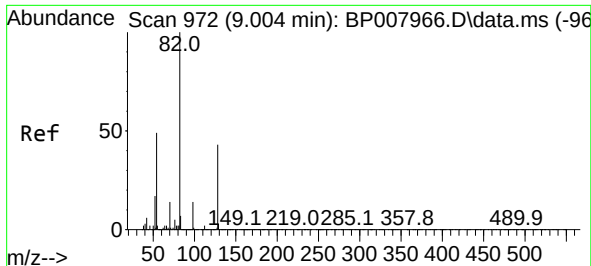
Tgt Ion:	136	Resp:	490597
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	7.4	6.2	9.4
68	5.5	4.7	7.1



#22
Acetophenone
Concen: 4.302 ng
RT: 8.669 min Scan# 915
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:	105	Resp:	53682
Ion Ratio	Lower	Upper	
105	100		
71	1.9	4.5	6.7#
51	26.3	21.8	32.8
120	20.9	17.6	26.4

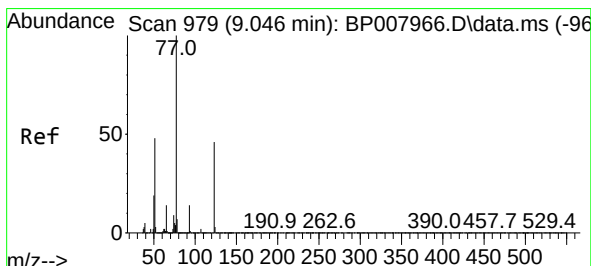
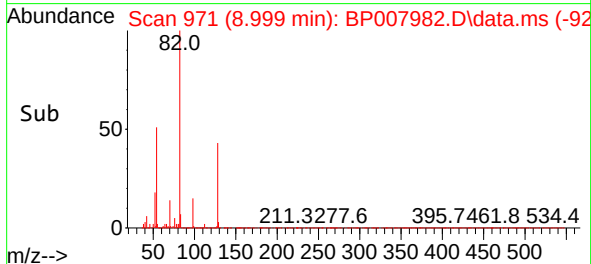
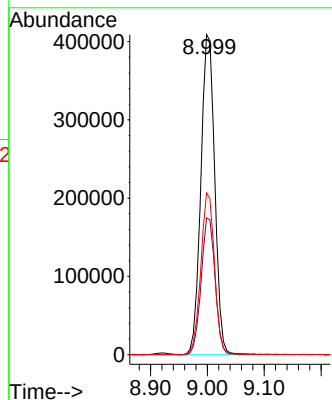
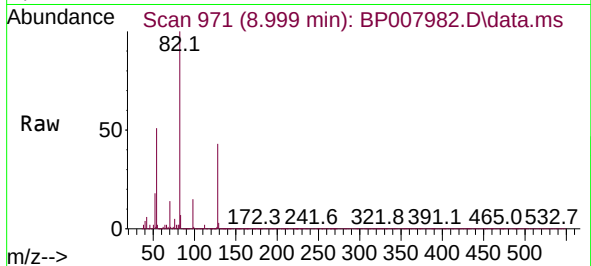




#23
Nitrobenzene-d5
Concen: 75.946 ng
RT: 8.999 min Scan# 91
Delta R.T. -0.005 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

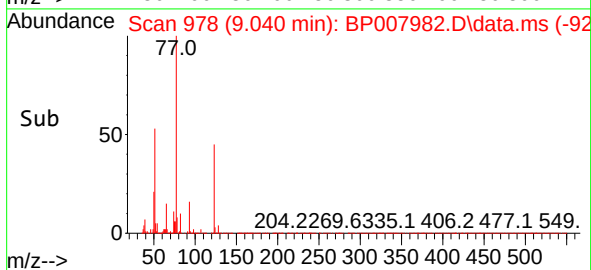
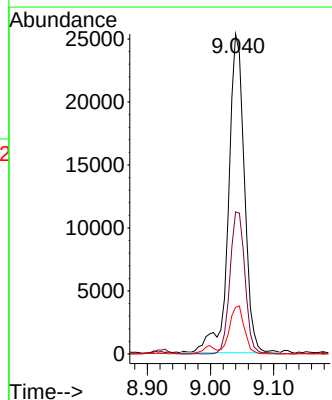
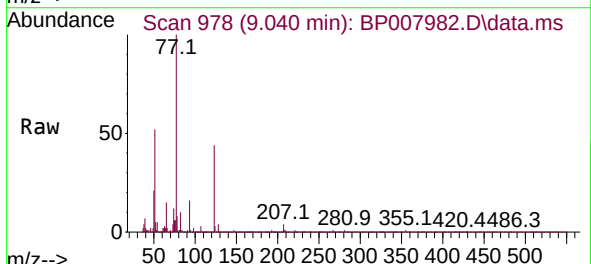
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

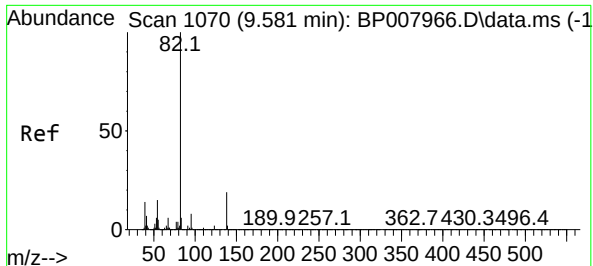
Tgt Ion: 82 Resp: 696250
Ion Ratio Lower Upper
82 100
128 42.8 32.6 48.8
54 50.5 40.4 60.6



#24
Nitrobenzene
Concen: 5.051 ng
RT: 9.040 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion: 77 Resp: 44259
Ion Ratio Lower Upper
77 100
123 44.4 35.3 52.9
65 14.6 10.9 16.3





#25

Isophorone

Concen: 4.328 ng

RT: 9.575 min Scan# 1069

Delta R.T. -0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

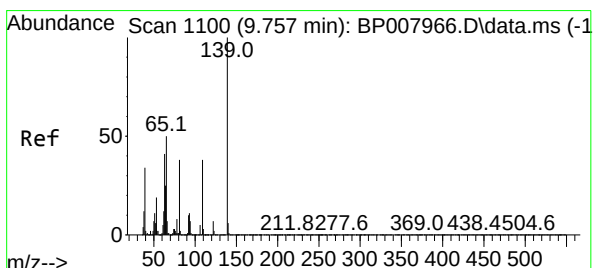
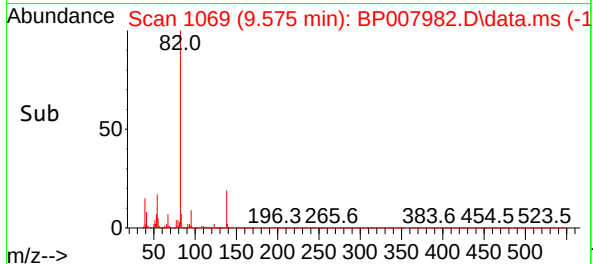
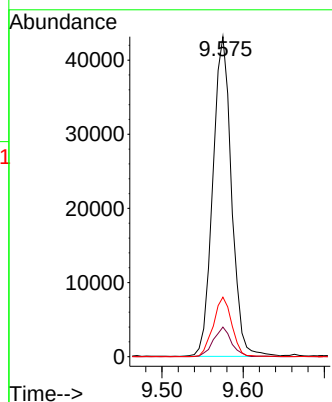
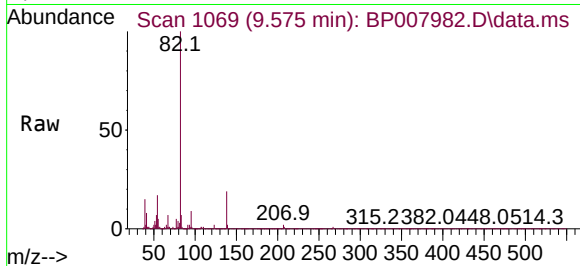
Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion: 82	Resp: 69020
Ion Ratio	Lower Upper
82 100	
95 9.3	6.2 9.2#
138 18.6	14.0 21.0



#26

2-Nitrophenol

Concen: 4.070 ng

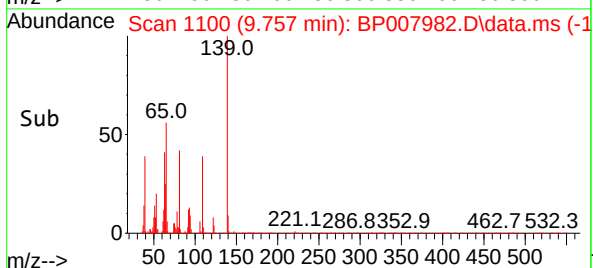
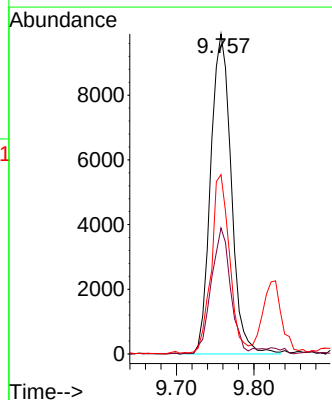
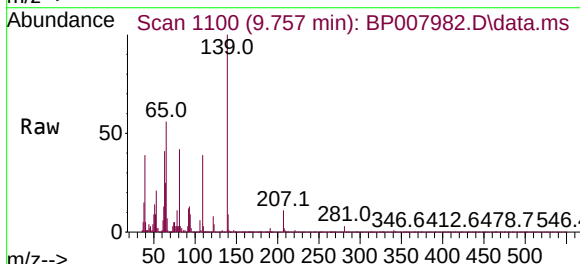
RT: 9.757 min Scan# 1100

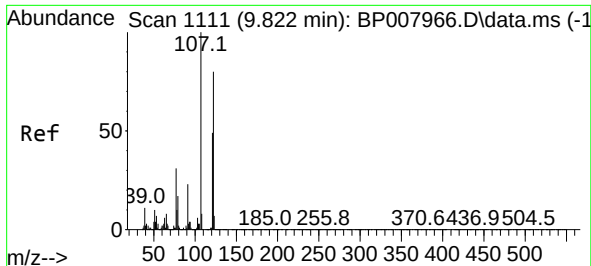
Delta R.T. -0.000 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Tgt Ion: 139	Resp: 18206
Ion Ratio	Lower Upper
139 100	
109 39.4	26.2 39.2#
65 56.1	40.3 60.5





#27

2,4-Dimethylphenol

Concen: 4.925 ng

RT: 9.822 min Scan# 1111

Delta R.T. 0.000 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

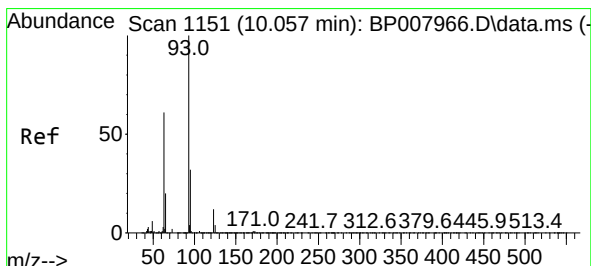
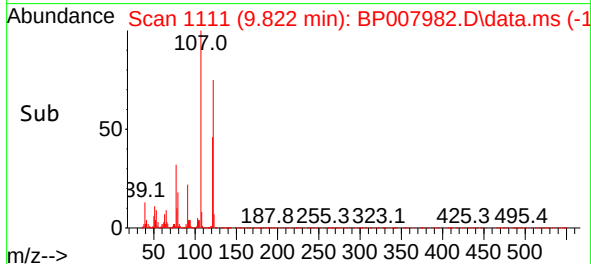
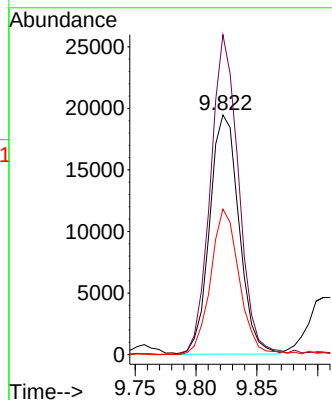
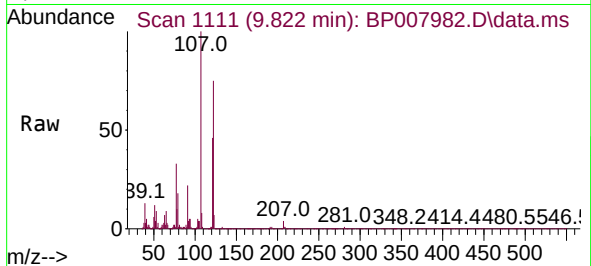
Tgt Ion:122 Resp: 32543

Ion Ratio Lower Upper

122 100

107 133.6 93.8 140.6

121 60.8 47.0 70.4



#28

bis(2-Chloroethoxy)methane

Concen: 4.374 ng

RT: 10.057 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

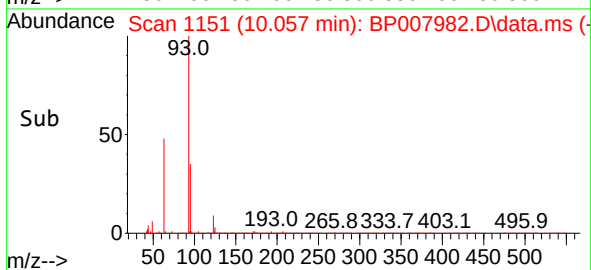
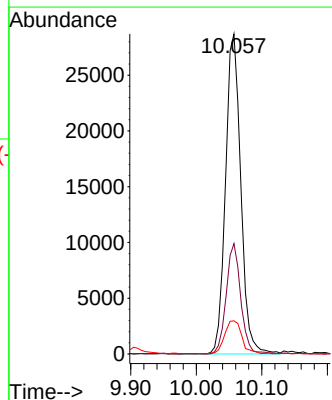
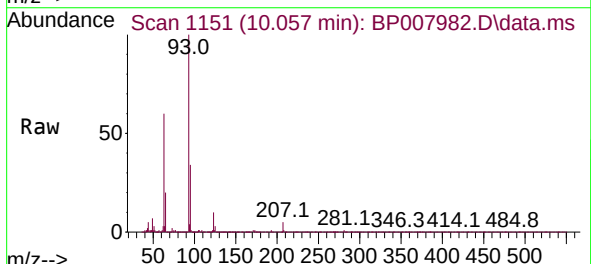
Tgt Ion: 93 Resp: 46280

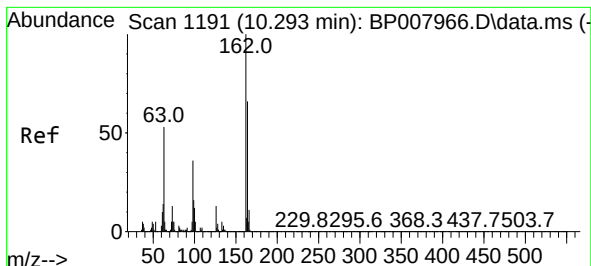
Ion Ratio Lower Upper

93 100

95 34.5 26.1 39.1

123 10.3 8.5 12.7





#29

2,4-Dichlorophenol

Concen: 4.177 ng

RT: 10.293 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

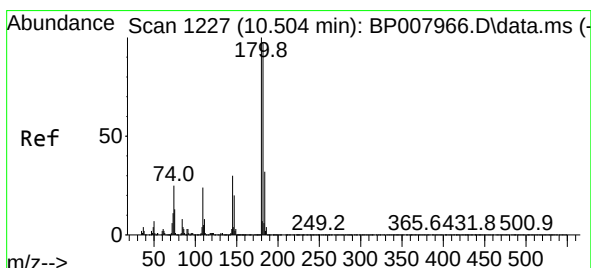
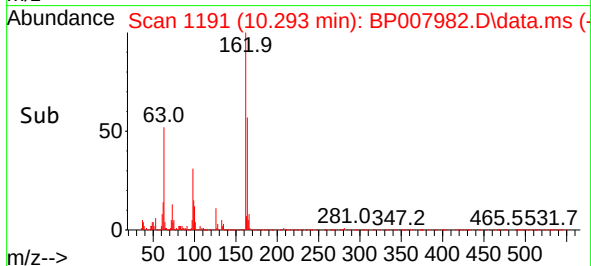
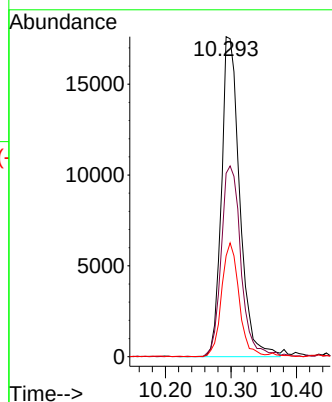
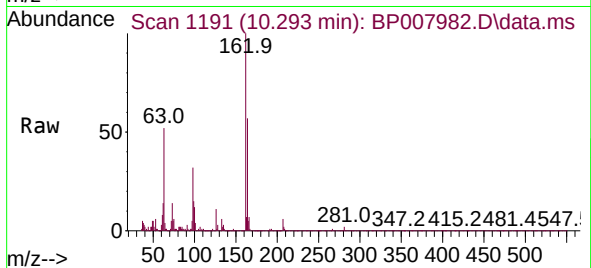
Tgt Ion:162 Resp: 33974

Ion Ratio Lower Upper

162 100

164 57.3 44.0 84.0

98 31.5 16.3 56.3



#30

1,2,4-Trichlorobenzene

Concen: 4.392 ng

RT: 10.510 min Scan# 1228

Delta R.T. 0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

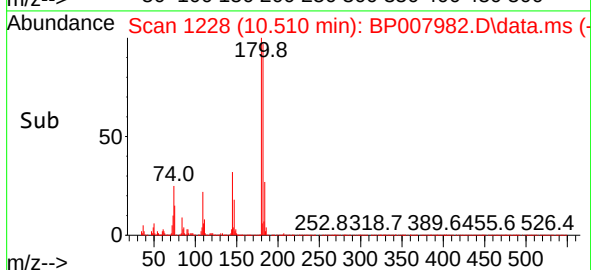
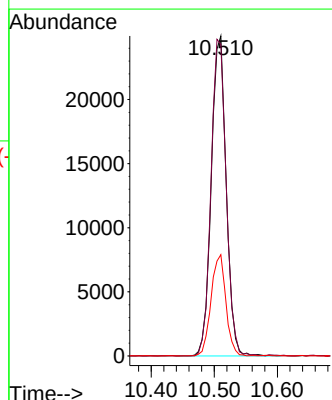
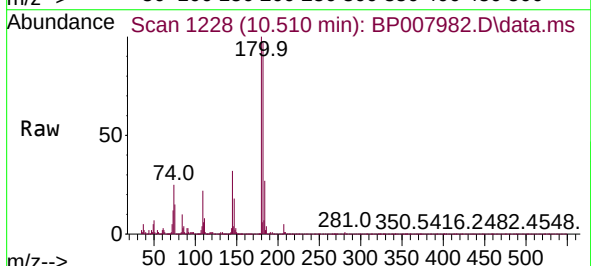
Tgt Ion:180 Resp: 40871

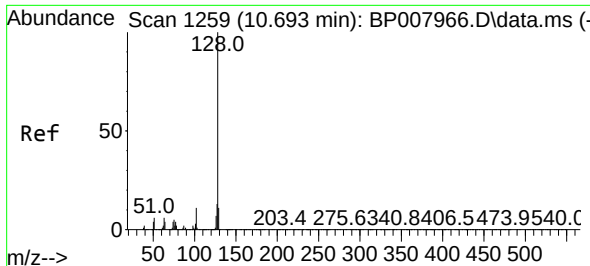
Ion Ratio Lower Upper

180 100

182 97.4 78.4 117.6

145 31.6 23.8 35.8

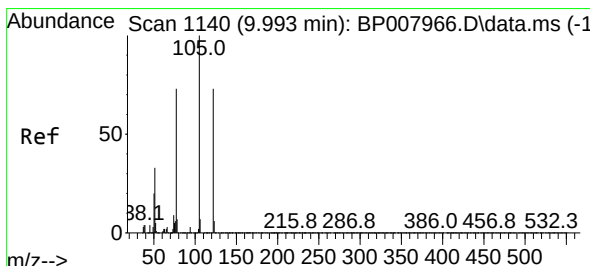
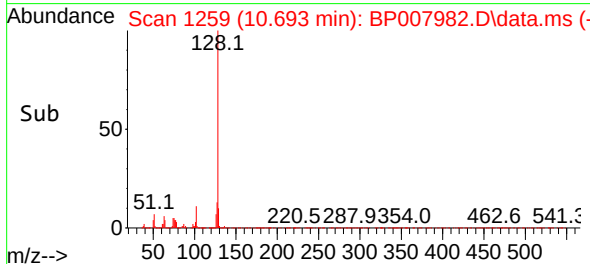
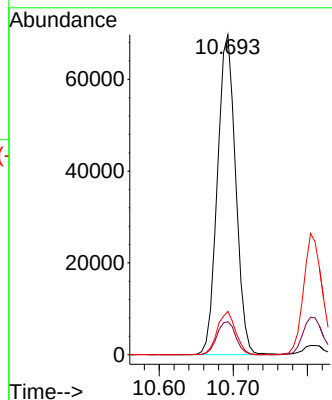
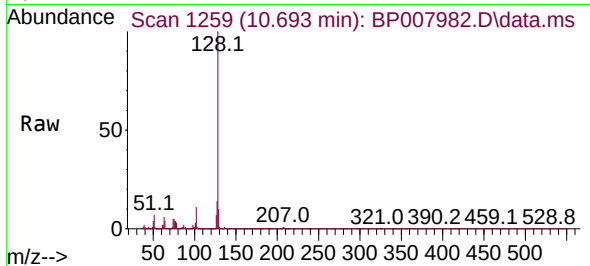




#31
Naphthalene
Concen: 4.749 ng
RT: 10.693 min Scan# 1126
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

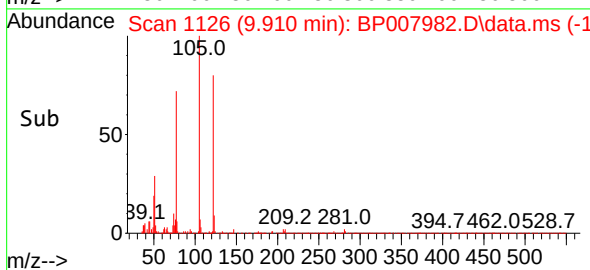
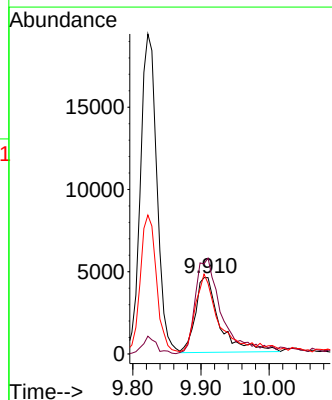
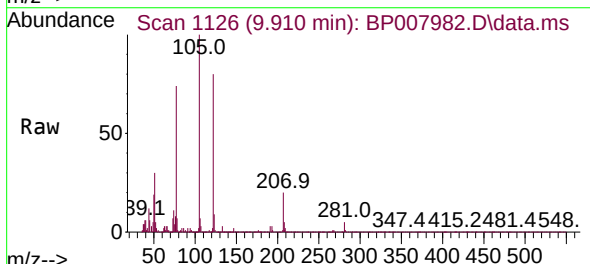
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

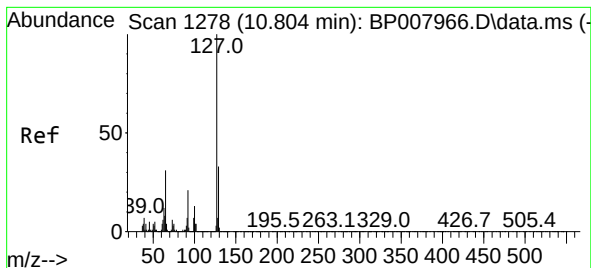
Tgt Ion:128 Resp: 118970
Ion Ratio Lower Upper
128 100
129 10.3 8.9 13.3
127 13.5 10.2 15.4



#32
Benzoic acid
Concen: 1.999 ng
RT: 9.910 min Scan# 1126
Delta R.T. -0.082 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:122 Resp: 11412
Ion Ratio Lower Upper
122 100
105 125.5 105.9 145.9
77 92.4 74.6 114.6





#33

4-Chloroaniline

Concen: 4.460 ng

RT: 10.804 min Scan# 1278

Delta R.T. 0.000 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion:127 Resp: 47996

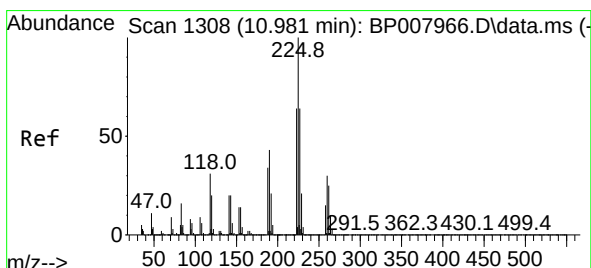
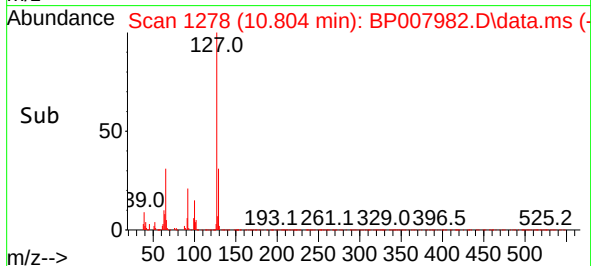
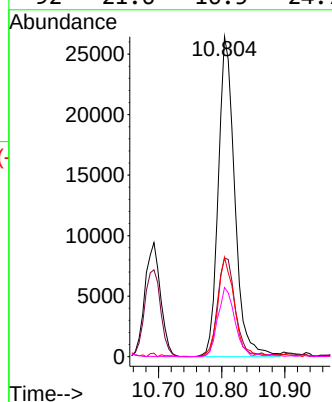
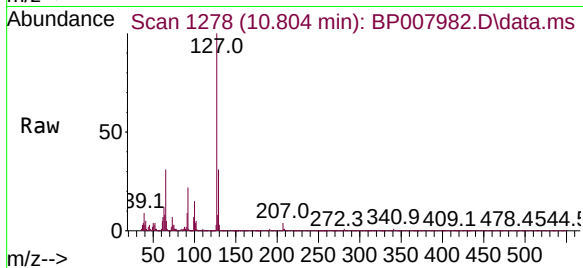
Ion Ratio Lower Upper

127 100

129 30.8 25.1 37.7

65 31.1 25.5 38.3

92 21.6 16.5 24.7



#34

Hexachlorobutadiene

Concen: 4.635 ng

RT: 10.981 min Scan# 1308

Delta R.T. -0.000 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

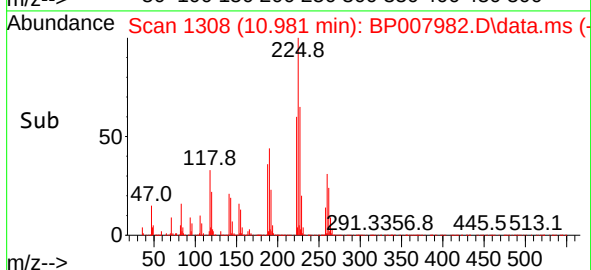
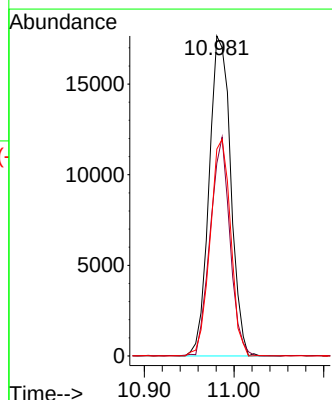
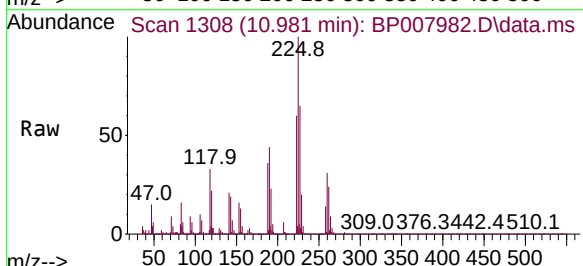
Tgt Ion:225 Resp: 29475

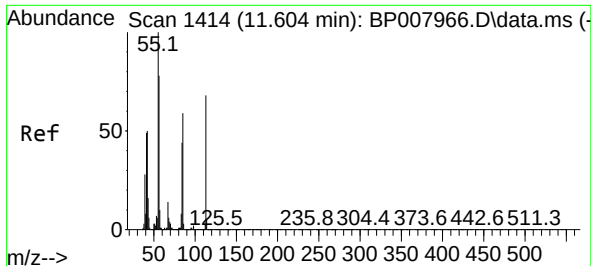
Ion Ratio Lower Upper

225 100

223 60.2 49.4 74.0

227 67.9 51.0 76.6

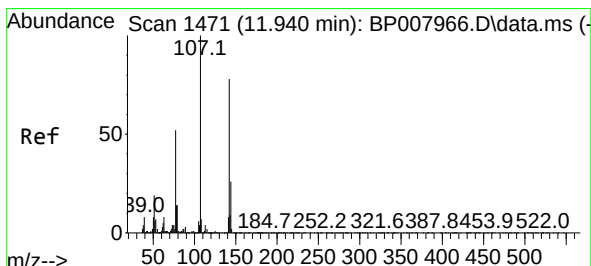
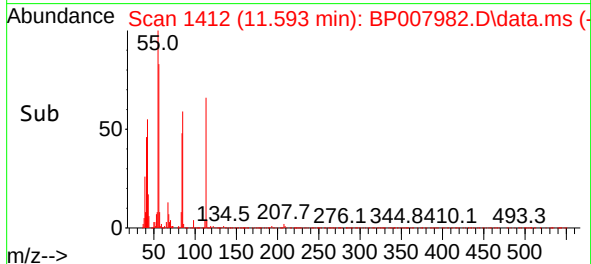
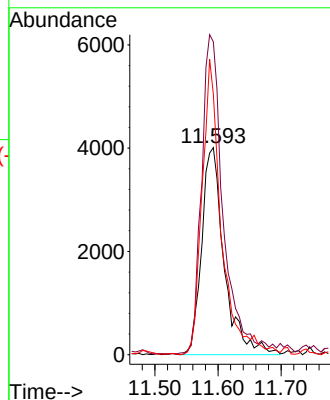
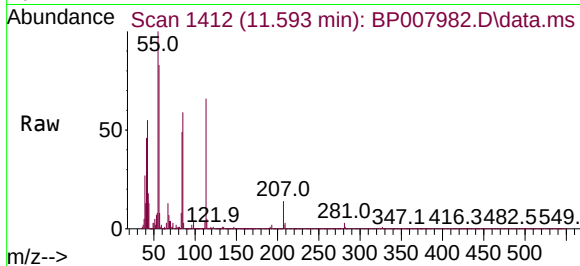




#35
Caprolactam
Concen: 5.569 ng
RT: 11.593 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

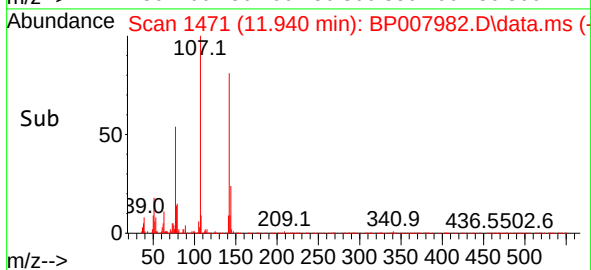
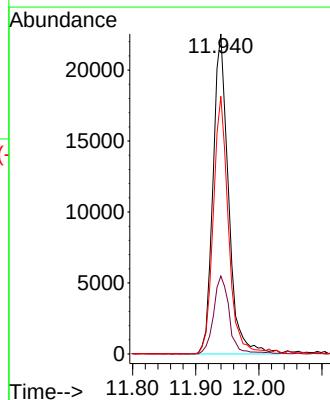
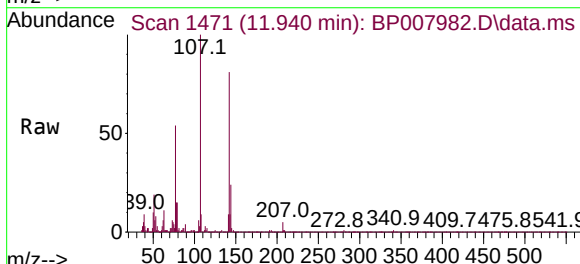
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

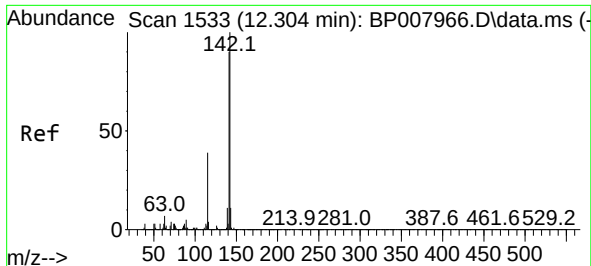
Tgt Ion:113 Resp: 9947
Ion Ratio Lower Upper
113 100
55 151.2 143.9 183.9
56 126.1 101.6 141.6



#36
4-Chloro-3-methylphenol
Concen: 4.179 ng
RT: 11.940 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:107 Resp: 38406
Ion Ratio Lower Upper
107 100
144 24.4 20.5 30.7
142 80.5 63.0 94.4

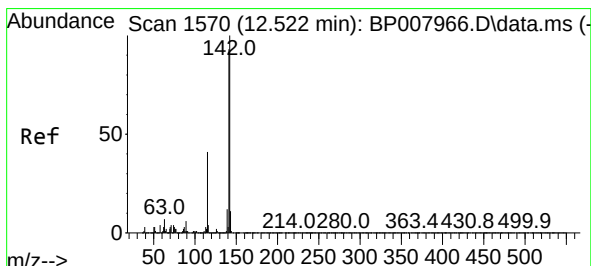
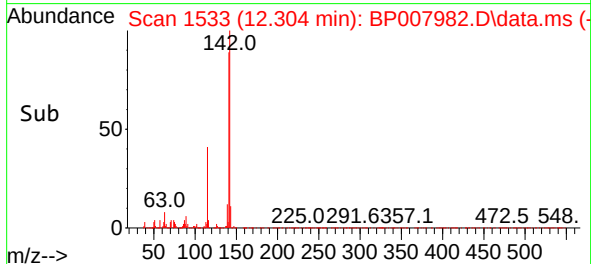
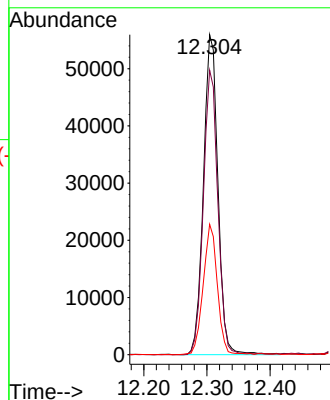
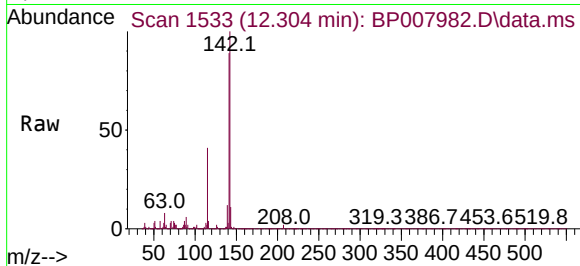




#37
2-Methylnaphthalene
Concen: 4.869 ng
RT: 12.304 min Scan# 1533
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

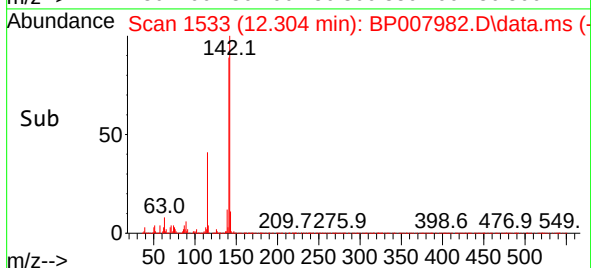
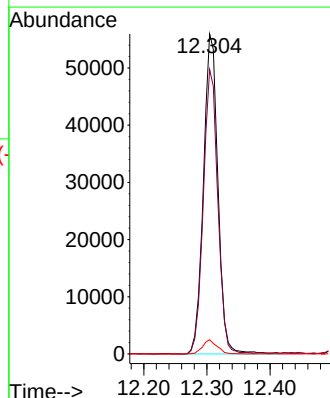
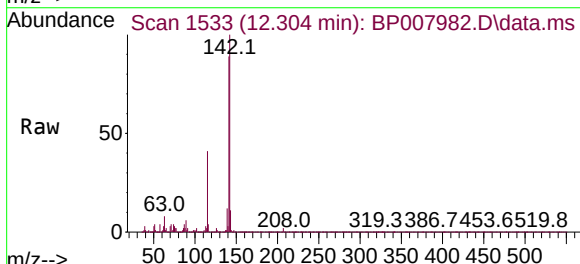
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

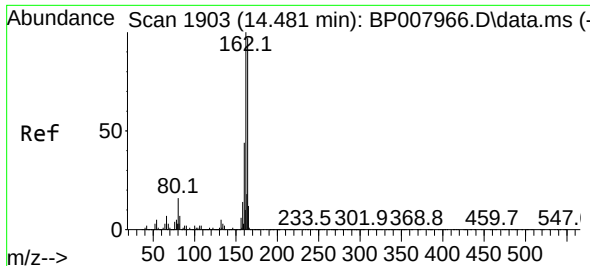
Tgt Ion:142 Resp: 89149
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.0
115 40.8 29.5 44.3



#38
1-Methylnaphthalene
Concen: 4.992 ng
RT: 12.304 min Scan# 1533
Delta R.T. -0.218 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:142 Resp: 89149
Ion Ratio Lower Upper
142 100
141 88.9 74.4 111.6
116 4.4 3.4 5.0

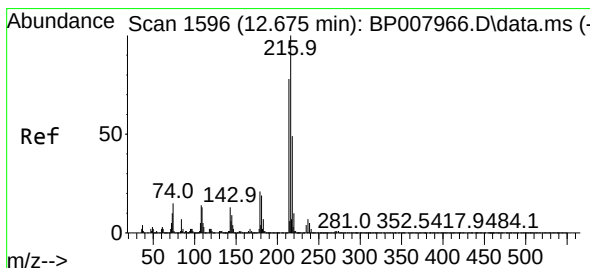
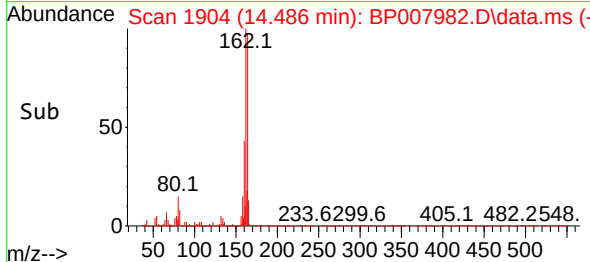
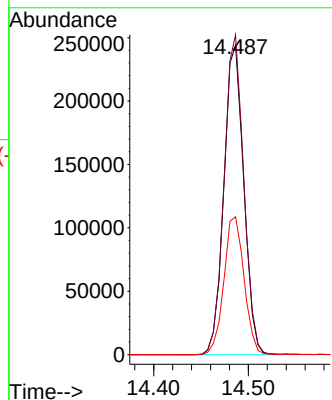
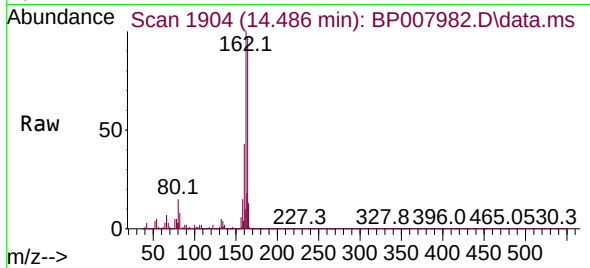




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1903
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

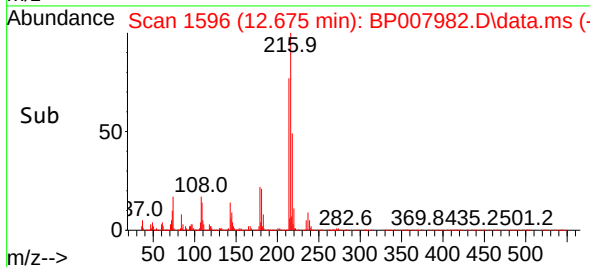
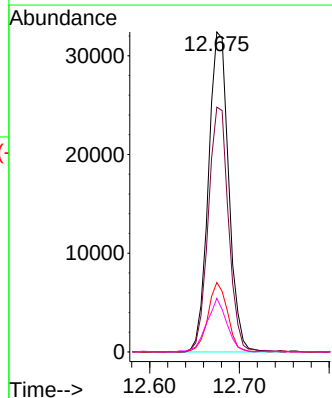
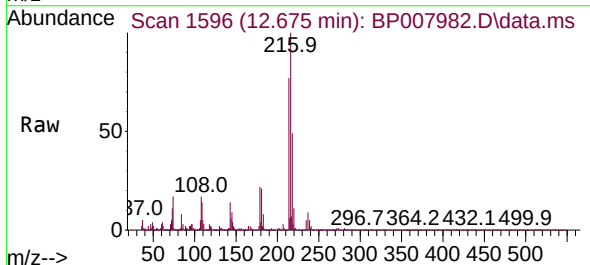
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

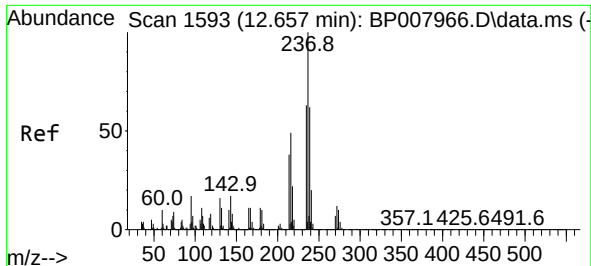
Tgt Ion:164 Resp: 355182
Ion Ratio Lower Upper
164 100
162 103.4 81.1 121.7
160 44.6 36.0 54.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.285 ng
RT: 12.675 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:216 Resp: 50710
Ion Ratio Lower Upper
216 100
214 76.6 62.2 93.4
179 21.1 17.1 25.7
108 16.7 15.4 23.0

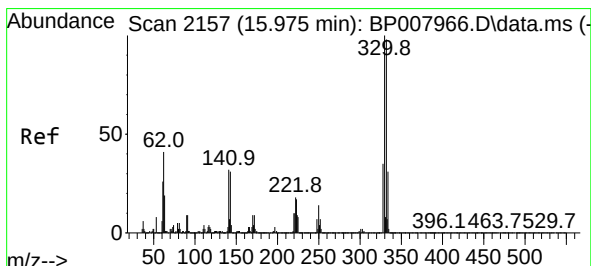
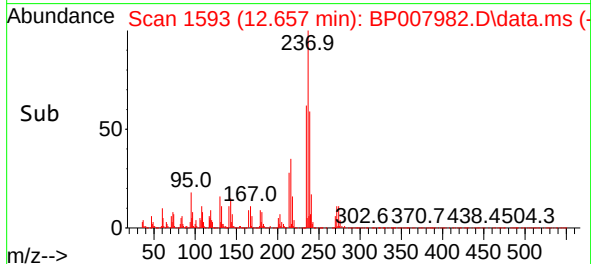
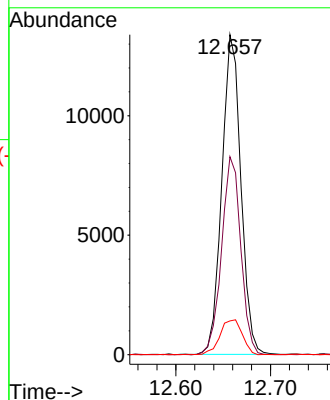
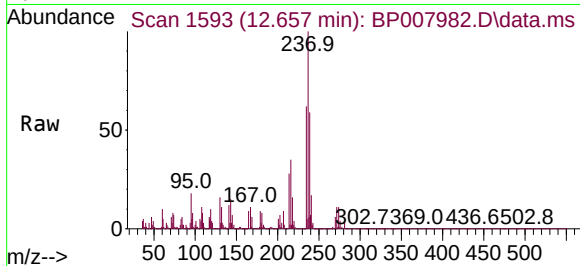




#41
Hexachlorocyclopentadiene
Concen: 3.439 ng
RT: 12.657 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

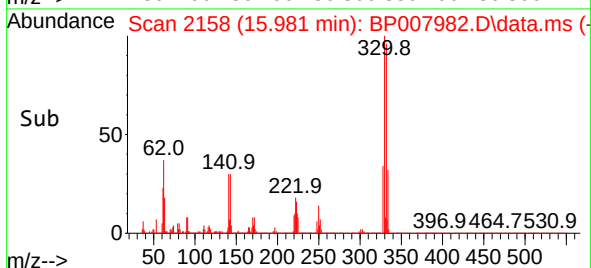
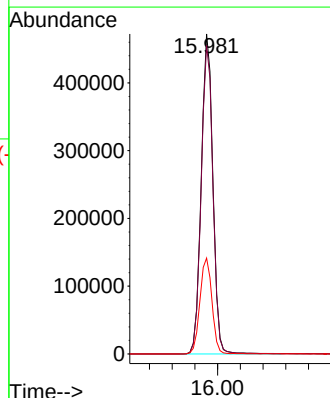
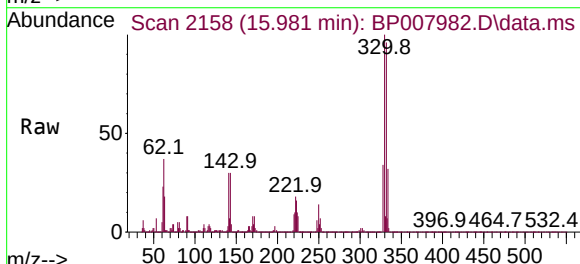
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

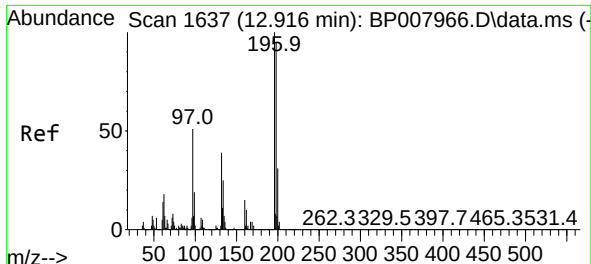
Tgt Ion:237	Resp:	18686
Ion Ratio	Lower	Upper
237	100	
235	61.8	41.2 81.2
272	10.5	0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 120.239 ng
RT: 15.981 min Scan# 2158
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:330	Resp:	671941
Ion Ratio	Lower	Upper
330	100	
332	96.9	78.9 118.3
141	30.9	30.7 46.1

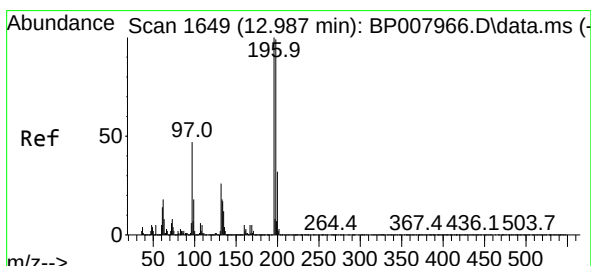
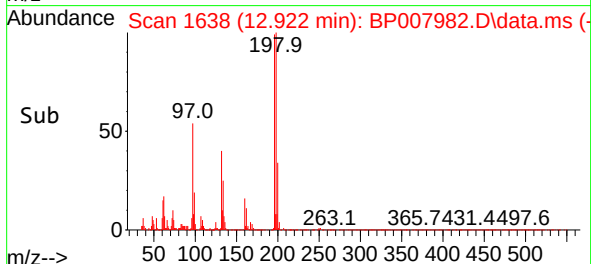
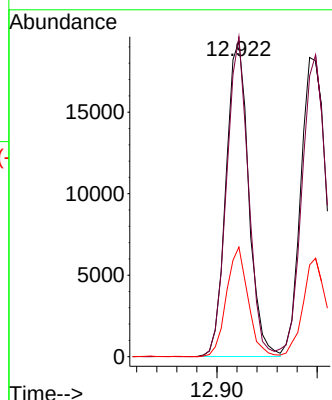
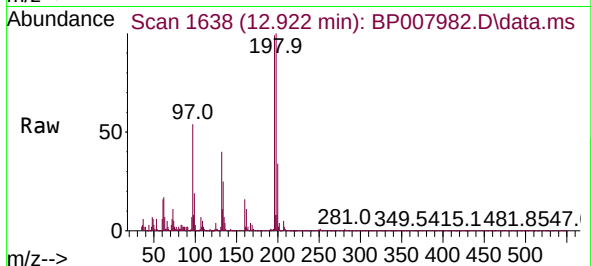




#43
2,4,6-Trichlorophenol
Concen: 3.753 ng
RT: 12.922 min Scan# 1638
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

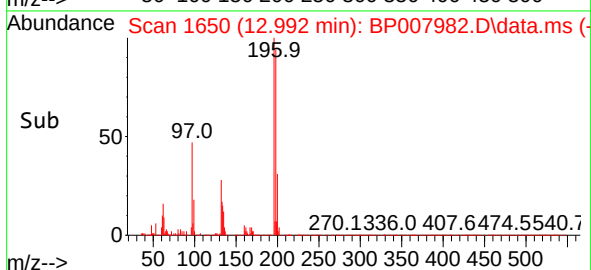
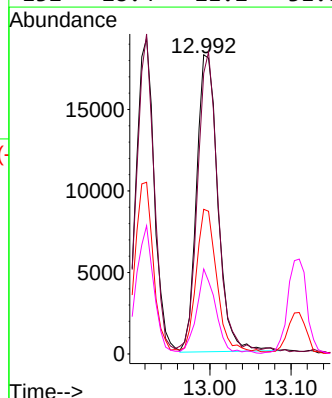
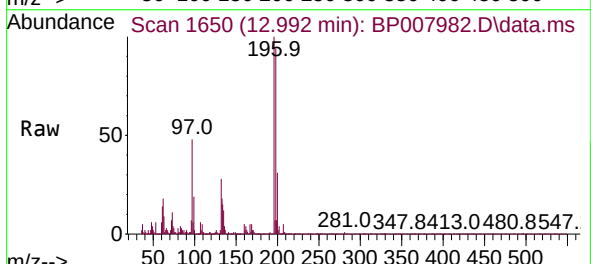
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

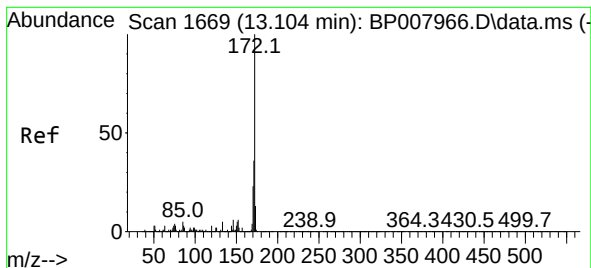
Tgt Ion:196 Resp: 30354
Ion Ratio Lower Upper
196 100
198 101.4 76.4 114.6
200 34.7 25.0 37.4



#44
2,4,5-Trichlorophenol
Concen: 3.779 ng
RT: 12.992 min Scan# 1650
Delta R.T. 0.005 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:196 Resp: 33208
Ion Ratio Lower Upper
196 100
198 93.9 77.1 115.7
97 48.3 40.9 61.3
132 28.4 21.2 31.8





#45

2-Fluorobiphenyl

Concen: 70.487 ng

RT: 13.110 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

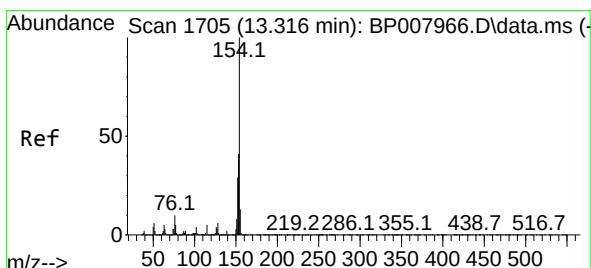
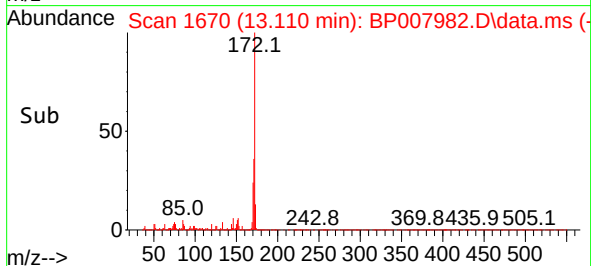
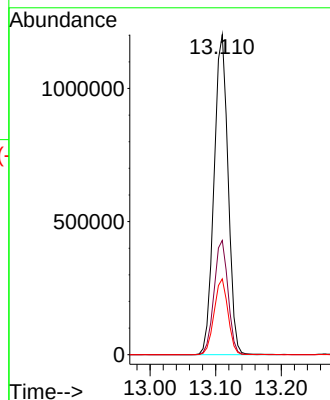
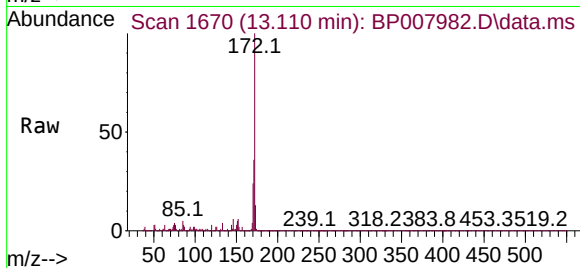
Tgt Ion:172 Resp: 1784805

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 23.7 19.0 28.4



#46

1,1'-Biphenyl

Concen: 4.353 ng

RT: 13.316 min Scan# 1705

Delta R.T. 0.000 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

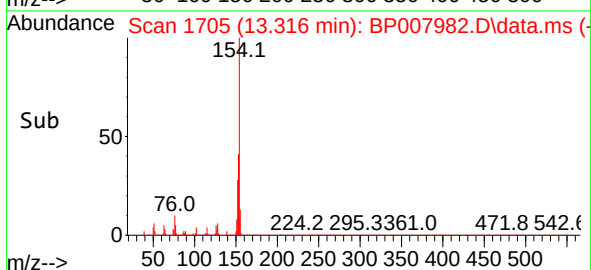
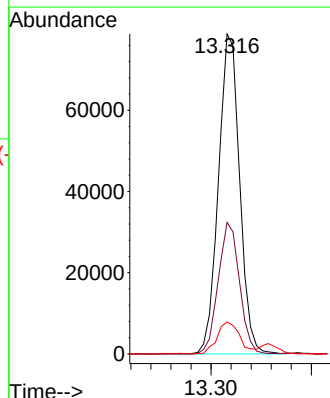
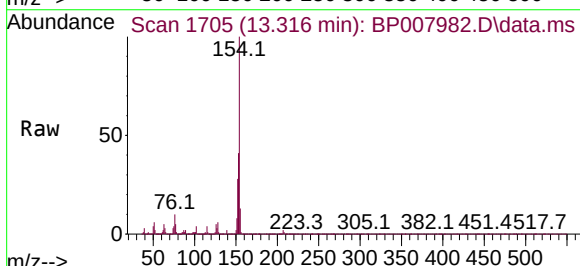
Tgt Ion:154 Resp: 115482

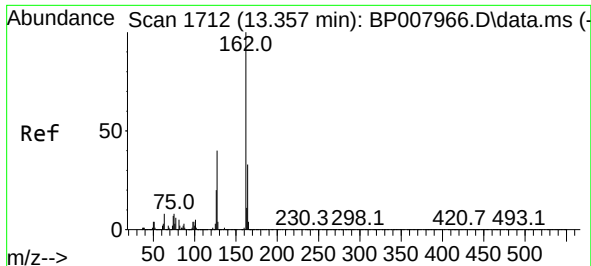
Ion Ratio Lower Upper

154 100

153 41.1 19.9 59.9

76 10.0 0.0 32.4

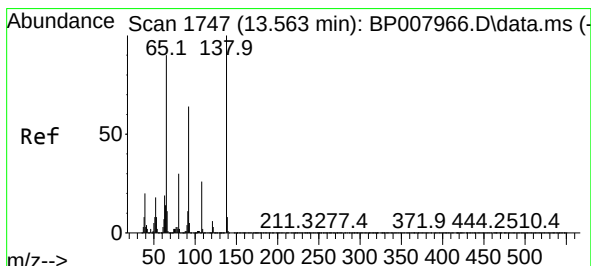
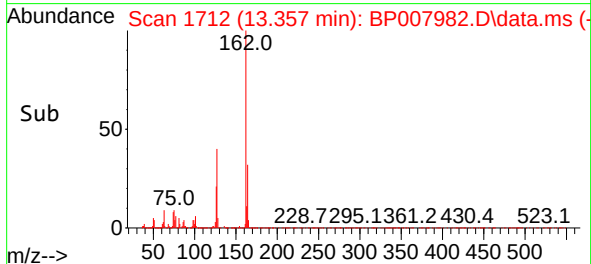
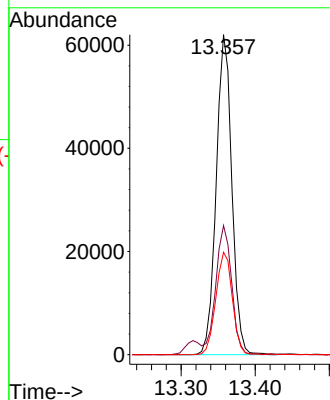
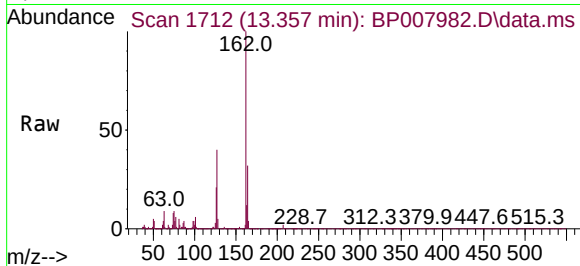




#47
2-Chloronaphthalene
Concen: 4.377 ng
RT: 13.357 min Scan# 1712
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

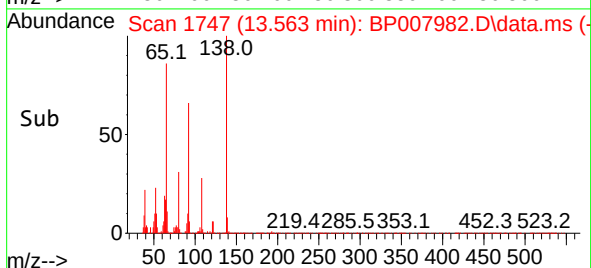
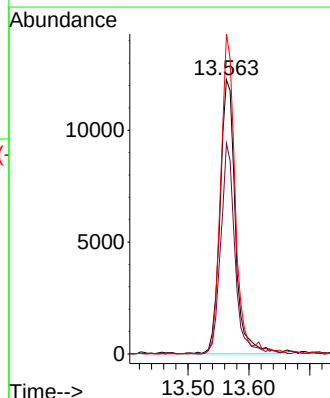
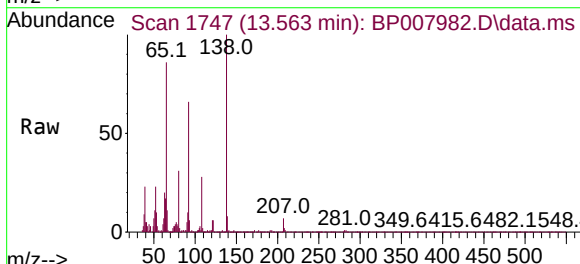
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

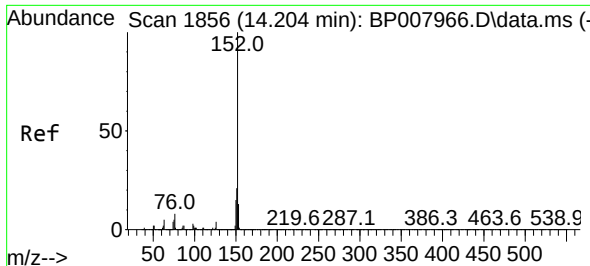
Tgt Ion:	162	Resp:	90825
Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.0	46.6
164	32.0	26.4	39.6



#48
2-Nitroaniline
Concen: 3.627 ng
RT: 13.563 min Scan# 1747
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:	65	Resp:	21363
Ion	Ratio	Lower	Upper
65	100		
92	76.7	55.9	83.9
138	116.6	86.3	129.5

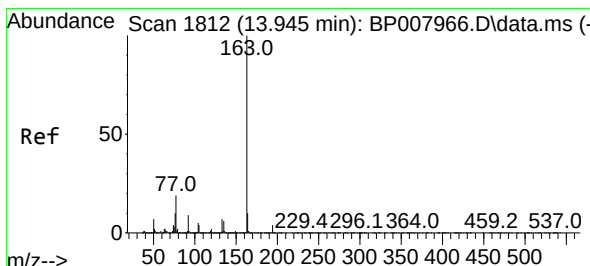
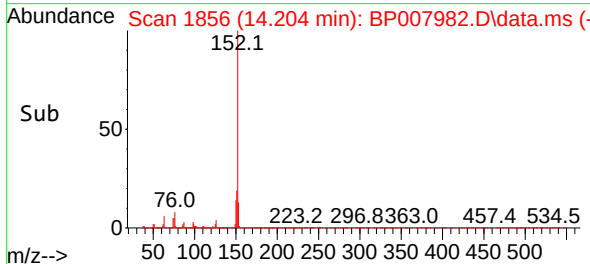
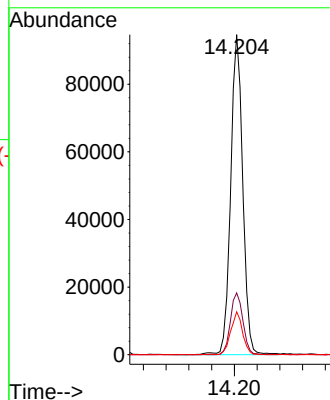
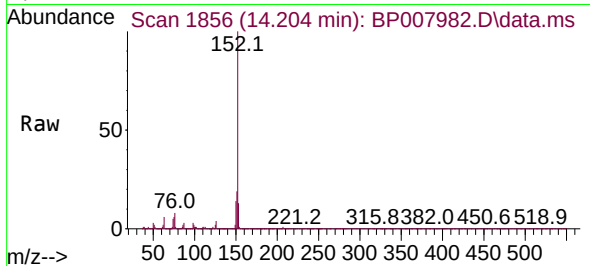




#49
Acenaphthylene
Concen: 4.420 ng
RT: 14.204 min Scan# 1856
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

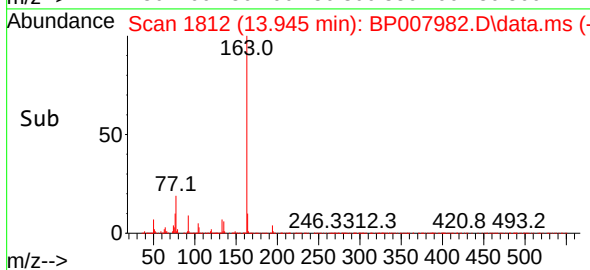
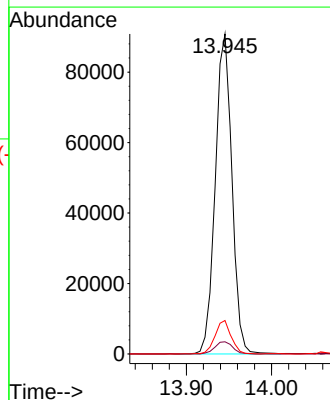
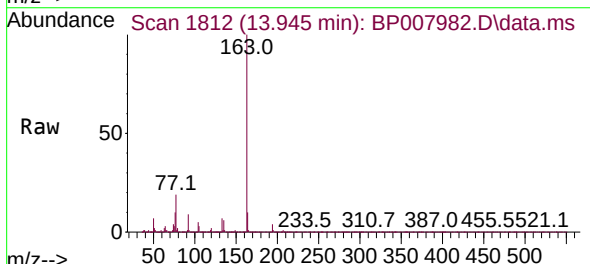
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

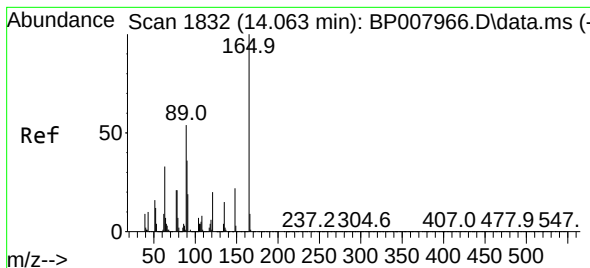
Tgt Ion:152 Resp: 139545
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.6
153 13.4 10.2 15.2



#50
Dimethylphthalate
Concen: 4.380 ng
RT: 13.945 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:163 Resp: 123083
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.4 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 4.085 ng

RT: 14.057 min Scan# 1831

Delta R.T. -0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

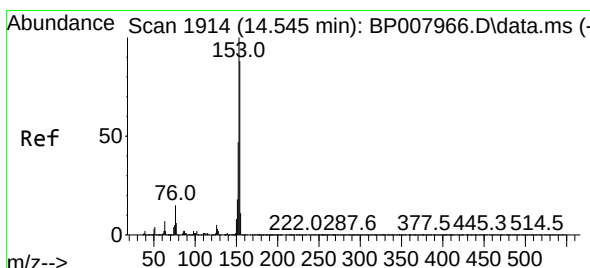
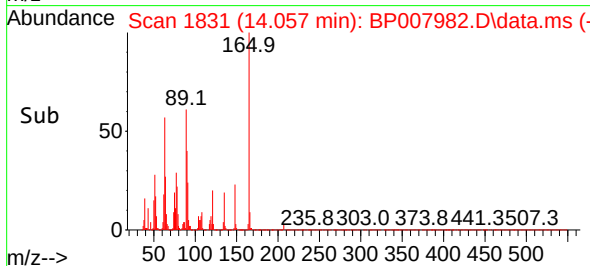
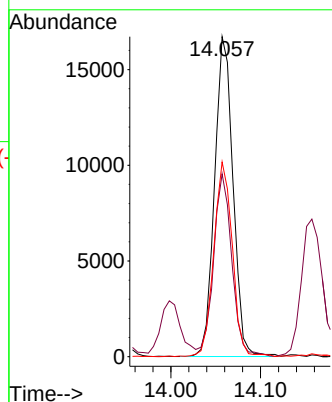
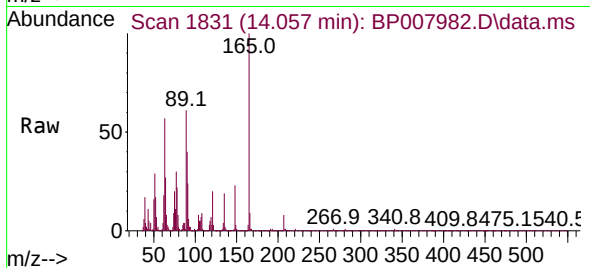
Tgt Ion:165 Resp: 23847

Ion Ratio Lower Upper

165 100

63 57.2 44.2 66.2

89 60.8 46.6 70.0



#52

Acenaphthene

Concen: 4.629 ng

RT: 14.545 min Scan# 1914

Delta R.T. -0.000 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

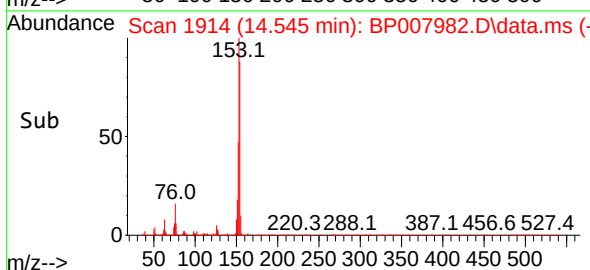
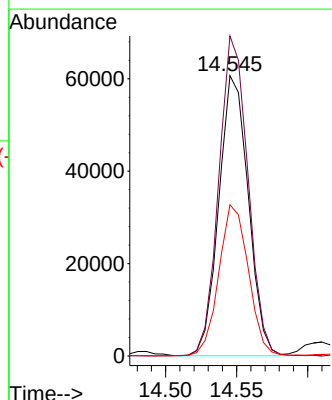
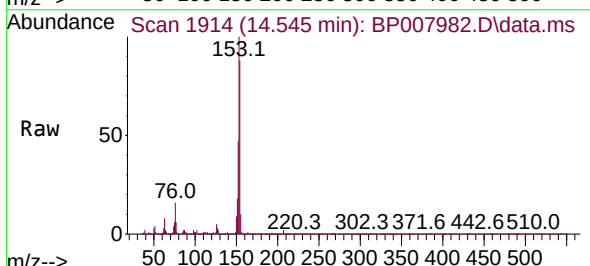
Tgt Ion:154 Resp: 87469

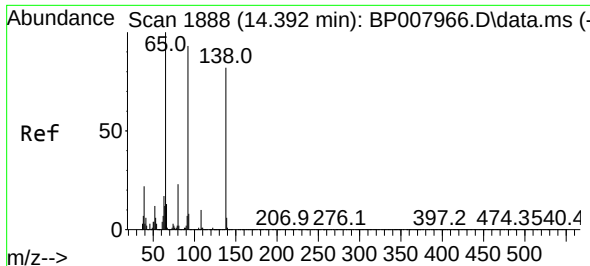
Ion Ratio Lower Upper

154 100

153 114.2 90.4 135.6

152 53.9 42.3 63.5

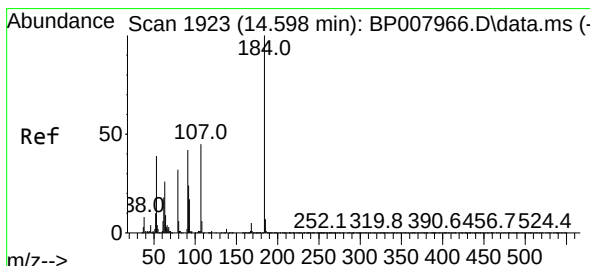
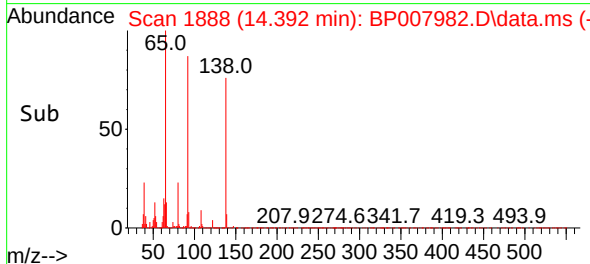
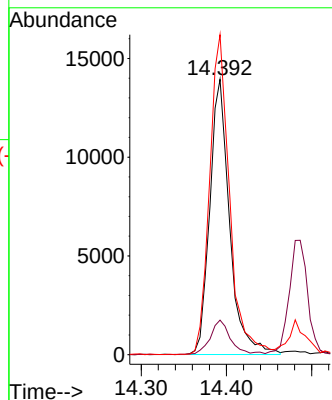
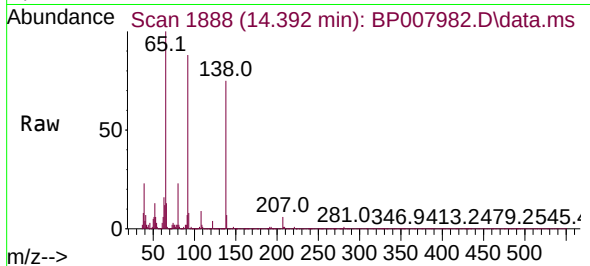




#53
3-Nitroaniline
Concen: 3.797 ng
RT: 14.392 min Scan# 1888
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

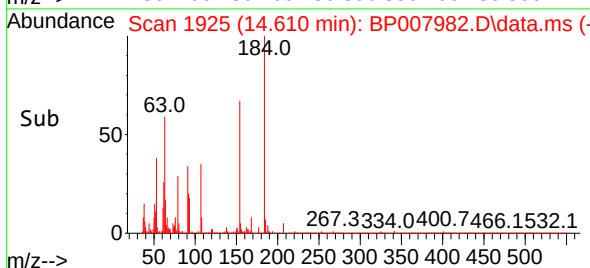
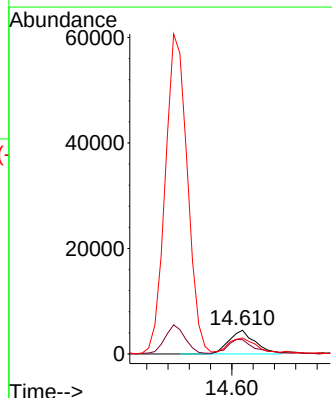
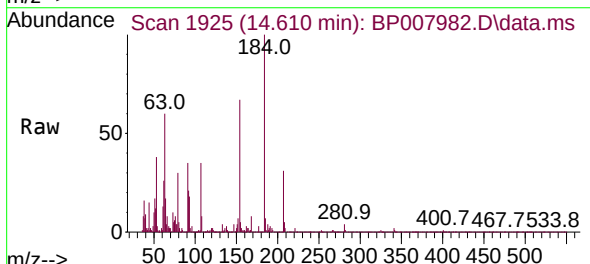
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

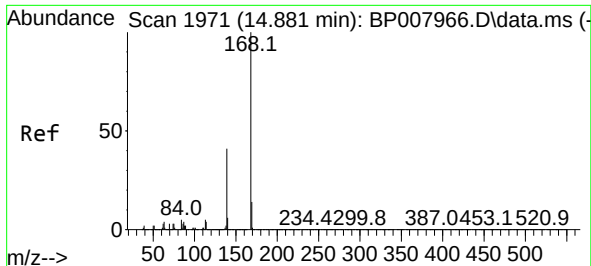
Tgt Ion:138 Resp: 22602
Ion Ratio Lower Upper
138 100
108 12.5 12.3 18.5
92 116.2 94.9 142.3



#54
2,4-Dinitrophenol
Concen: 2.146 ng
RT: 14.610 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:184 Resp: 7562
Ion Ratio Lower Upper
184 100
63 60.5 44.0 66.0
154 67.3 48.9 73.3

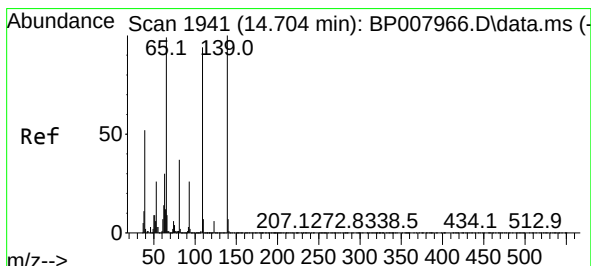
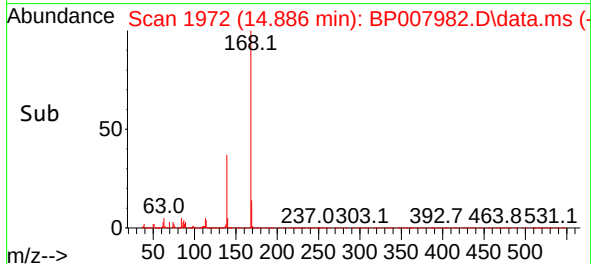
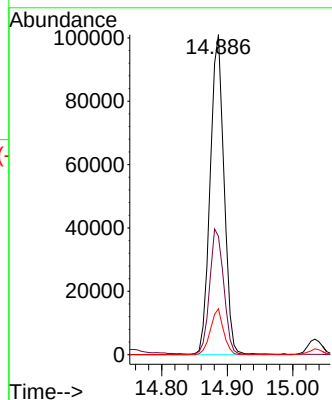
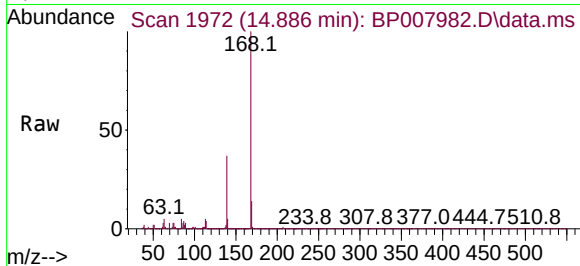




#55
Dibenzofuran
Concen: 4.618 ng
RT: 14.886 min Scan# 1971
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

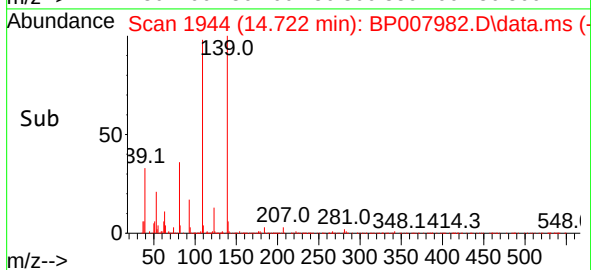
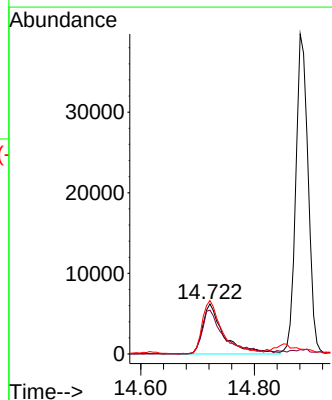
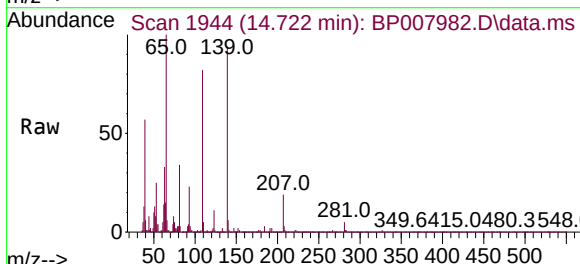
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

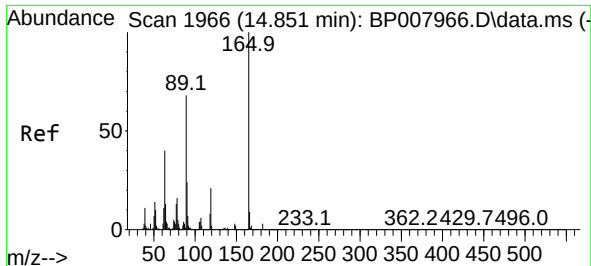
Tgt Ion:168 Resp: 148385
Ion Ratio Lower Upper
168 100
139 36.9 30.8 46.2
169 14.3 11.0 16.6



#56
4-Nitrophenol
Concen: 3.293 ng
RT: 14.722 min Scan# 1944
Delta R.T. 0.018 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:139 Resp: 15975
Ion Ratio Lower Upper
139 100
109 87.6 60.9 100.9
65 106.7 76.5 116.5

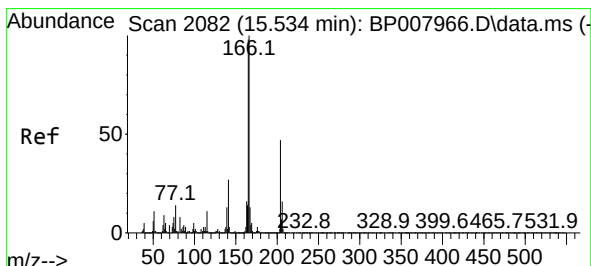
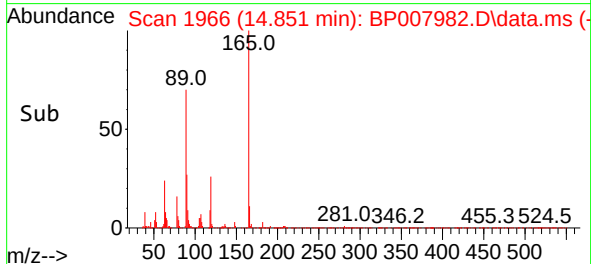
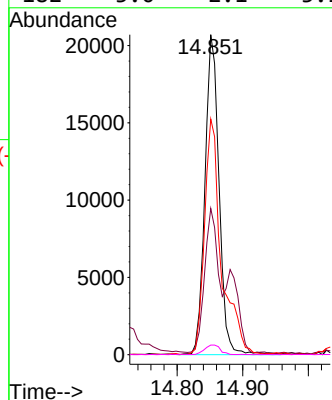
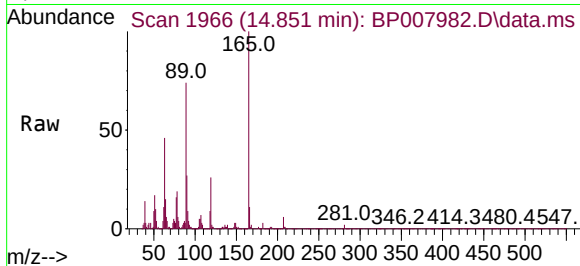




#57
2,4-Dinitrotoluene
Concen: 3.997 ng
RT: 14.851 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

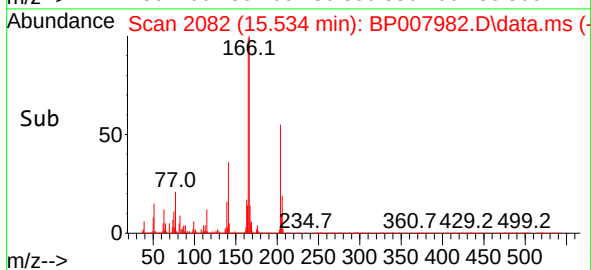
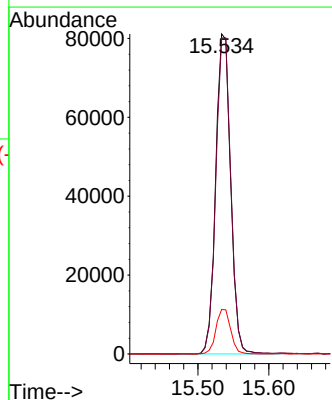
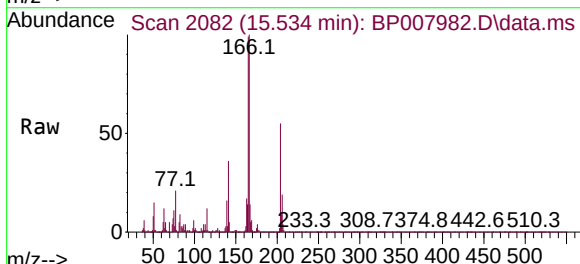
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

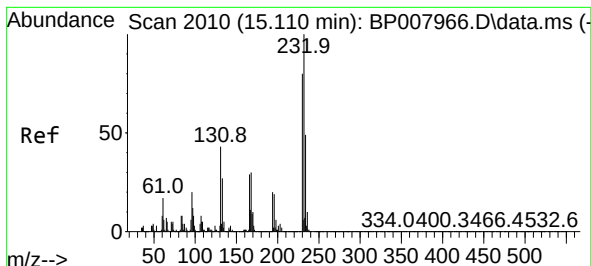
Tgt Ion:	165	Resp:	31058
Ion Ratio	Lower	Upper	
165	100		
63	45.7	37.4	56.0
89	73.7	61.8	92.6
182	3.0	2.1	3.1



#58
Fluorene
Concen: 4.605 ng
RT: 15.534 min Scan# 2082
Delta R.T. -0.001 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:	166	Resp:	117748
Ion Ratio	Lower	Upper	
166	100		
165	98.7	78.9	118.3
167	13.9	10.9	16.3

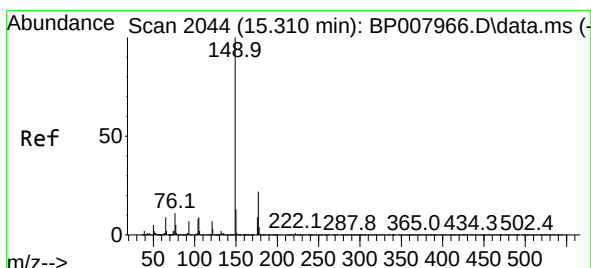
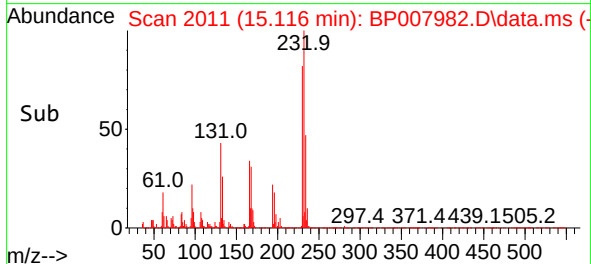
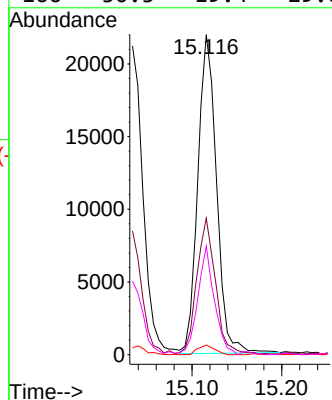
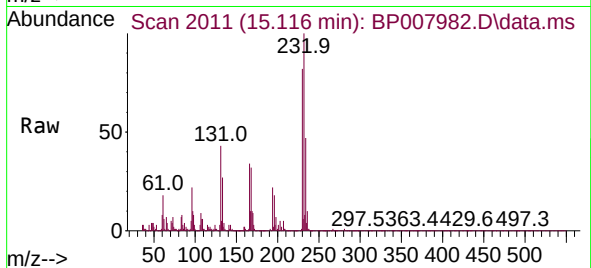




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.964 ng
RT: 15.116 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

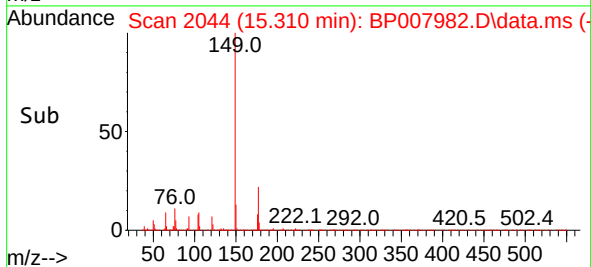
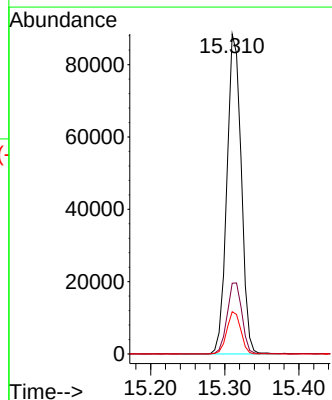
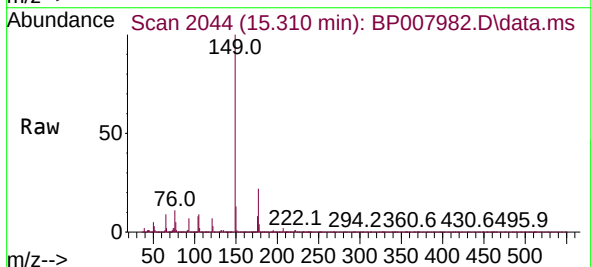
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

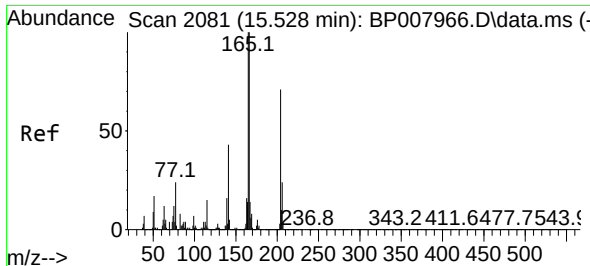
Tgt Ion:232	Resp:	31725
Ion Ratio	Lower	Upper
232	100	
131	42.5	30.3 45.5
130	2.7	1.8 2.8
166	30.3	19.4 29.0



#60
Diethylphthalate
Concen: 4.381 ng
RT: 15.310 min Scan# 2044
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:149	Resp:	118673
Ion Ratio	Lower	Upper
149	100	
177	22.1	17.8 26.8
150	13.2	10.2 15.2

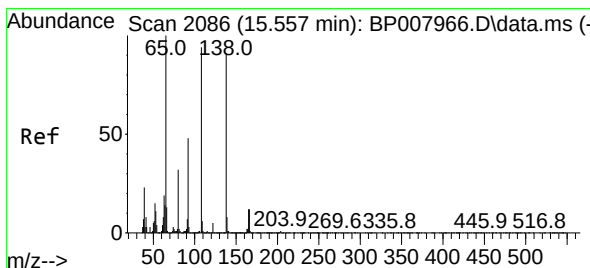
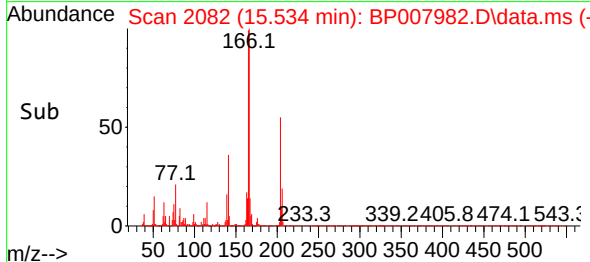
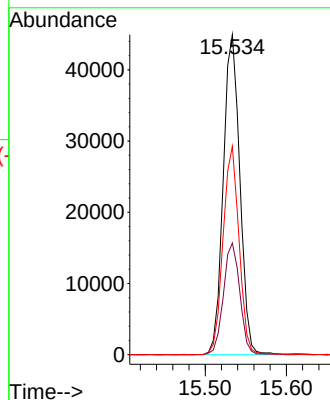
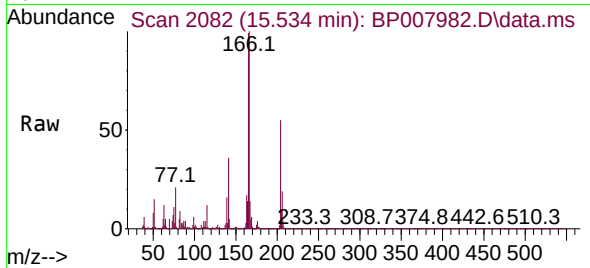




#61
4-Chlorophenyl-phenylether
Concen: 4.616 ng
RT: 15.534 min Scan# 2081
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

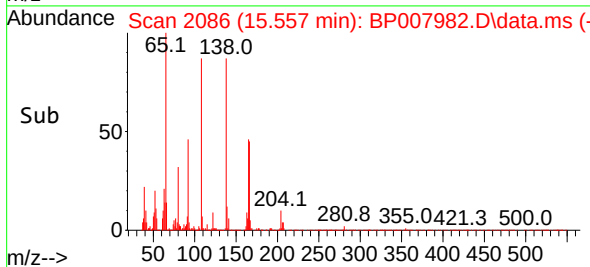
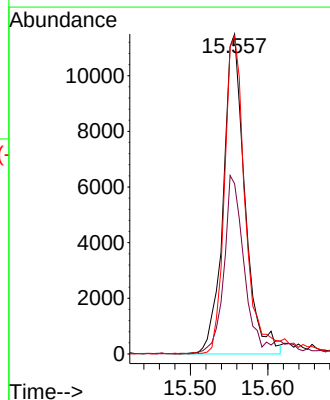
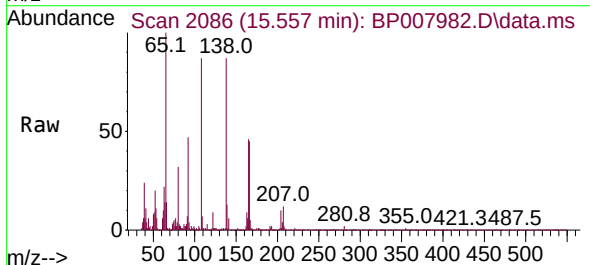
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

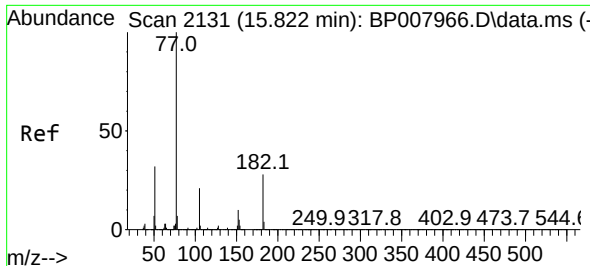
Tgt Ion:204 Resp: 63834
Ion Ratio Lower Upper
204 100
206 34.9 25.8 38.8
141 65.1 48.8 73.2



#62
4-Nitroaniline
Concen: 3.655 ng
RT: 15.557 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:138 Resp: 22357
Ion Ratio Lower Upper
138 100
92 53.2 30.7 70.7
108 99.3 71.2 111.2

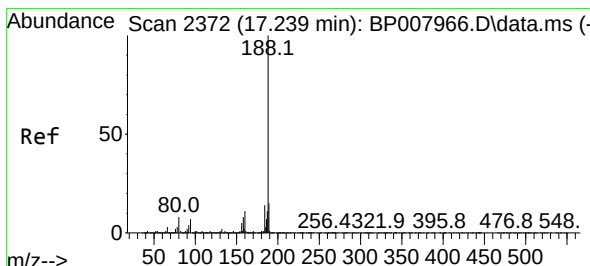
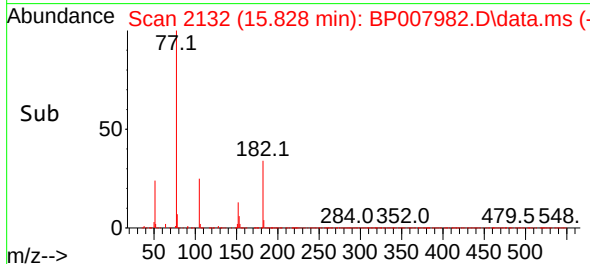
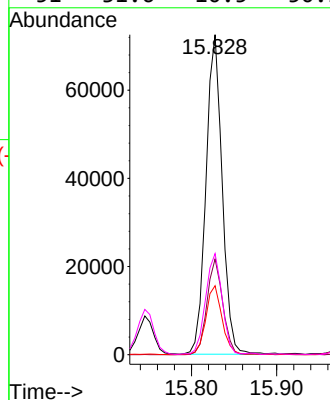
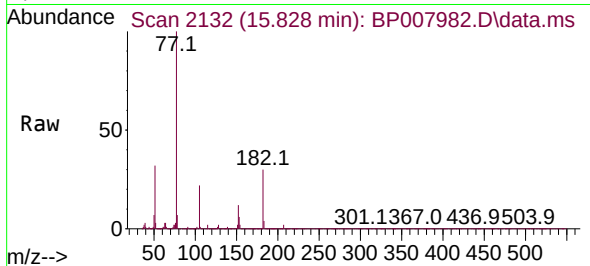




#63
Azobenzene
Concen: 4.200 ng
RT: 15.828 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

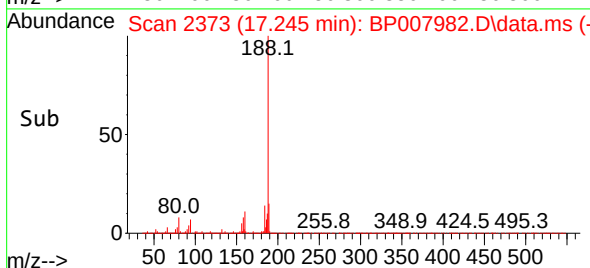
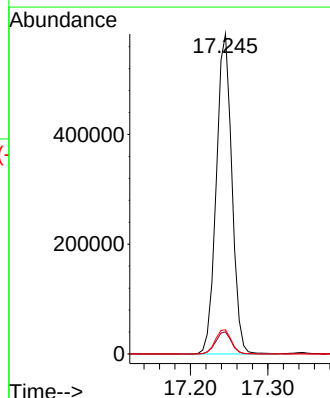
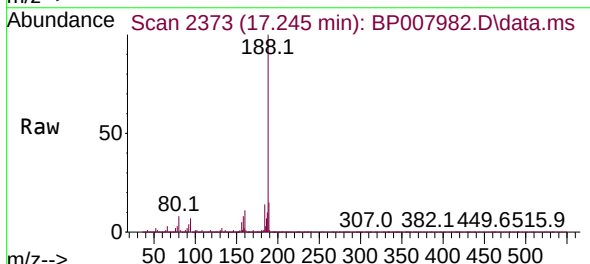
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

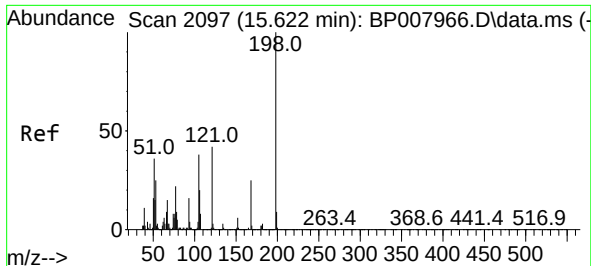
Tgt Ion: 77	Resp: 95772
Ion Ratio	Lower Upper
77 100	
182 29.9	6.5 46.5
105 21.6	1.3 41.3
51 31.6	10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2373
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion: 188	Resp: 812717
Ion Ratio	Lower Upper
188 100	
94 6.9	7.1 10.7#
80 7.6	7.8 11.6#

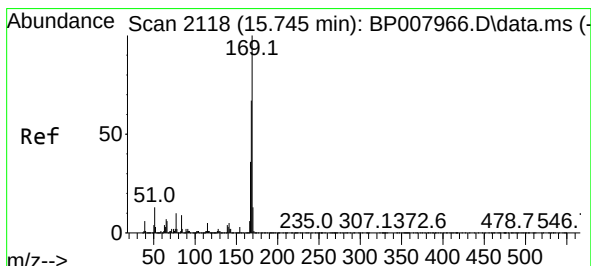
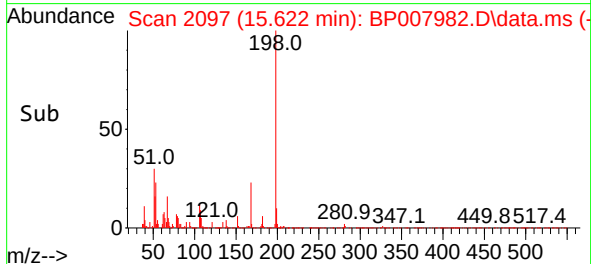
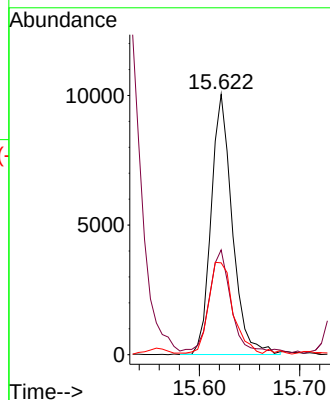
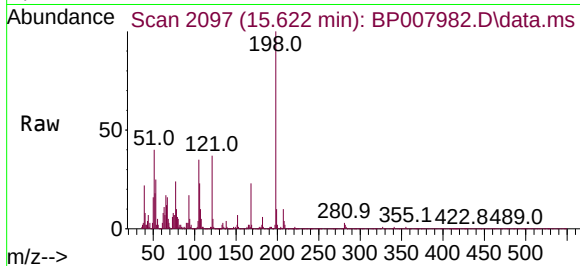




#65
4,6-Dinitro-2-methylphenol
Concen: 2.765 ng
RT: 15.622 min Scan# 2097
Delta R.T. -0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

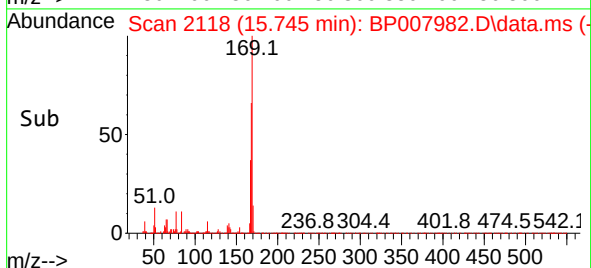
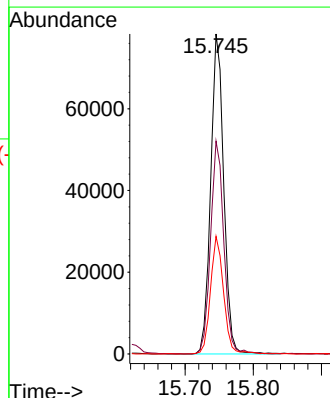
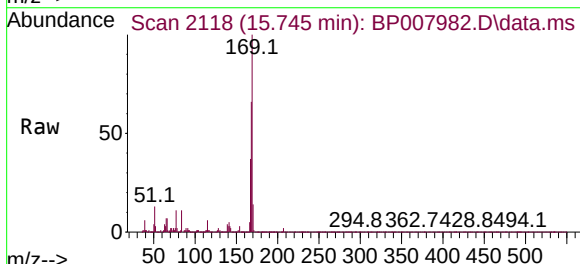
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

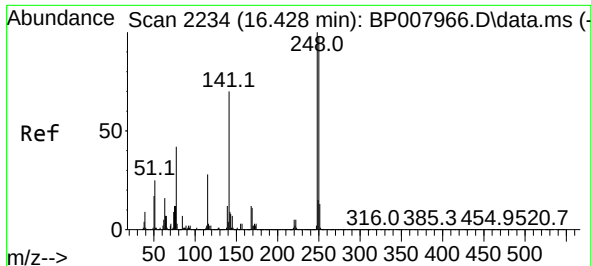
Tgt Ion:198 Resp: 14728
Ion Ratio Lower Upper
198 100
51 40.2 23.8 63.8
105 35.3 24.6 64.6



#66
n-Nitrosodiphenylamine
Concen: 4.482 ng
RT: 15.745 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:169 Resp: 104269
Ion Ratio Lower Upper
169 100
168 66.5 52.7 79.1
167 36.7 29.0 43.6

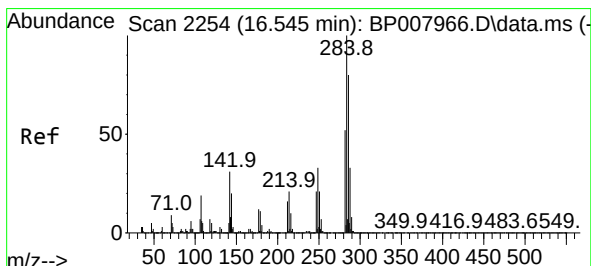
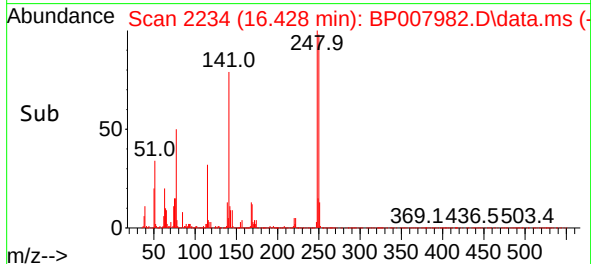
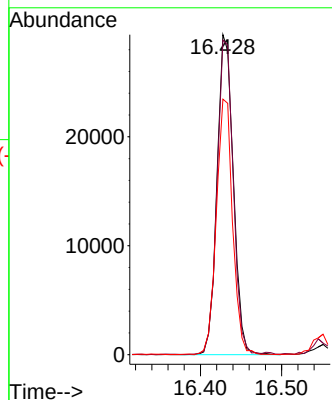
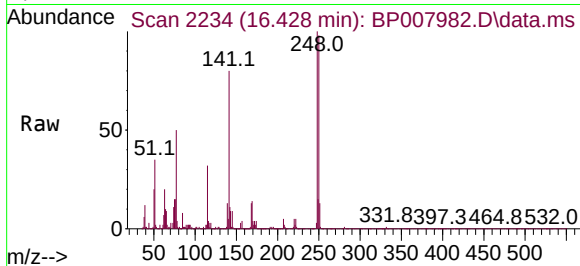




#67
4-Bromophenyl-phenylether
Concen: 4.318 ng
RT: 16.428 min Scan# 211
Delta R.T. 0.000 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

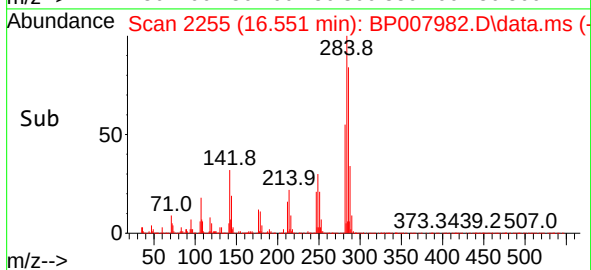
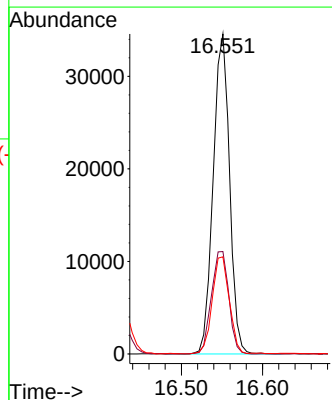
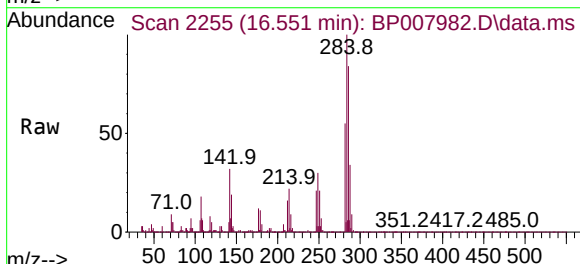
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

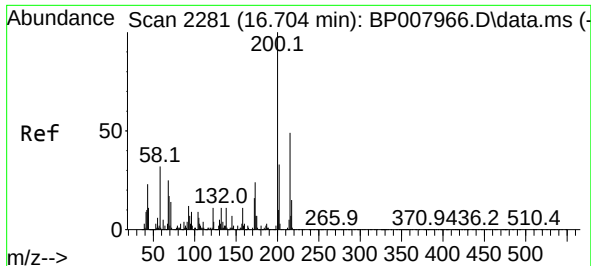
Tgt Ion:248 Resp: 41047
Ion Ratio Lower Upper
248 100
250 98.3 78.2 117.2
141 79.9 60.8 91.2



#68
Hexachlorobenzene
Concen: 4.516 ng
RT: 16.551 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:284 Resp: 48342
Ion Ratio Lower Upper
284 100
142 32.0 30.6 46.0
249 30.3 26.6 40.0

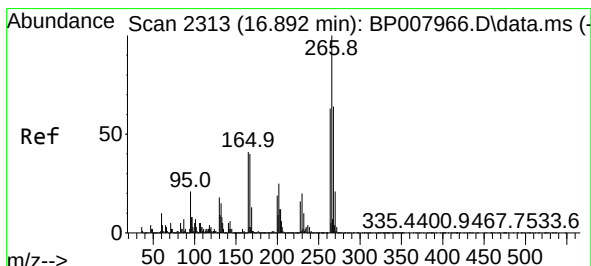
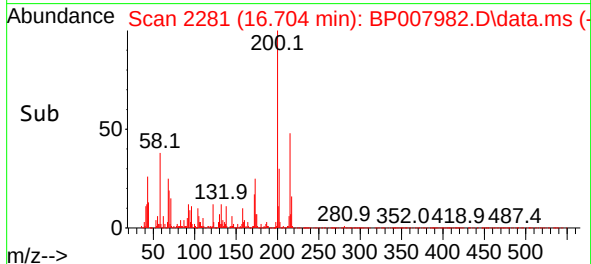
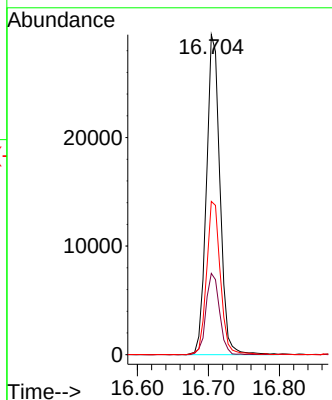
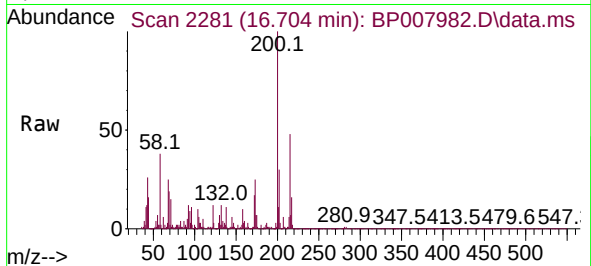




#69
 Atrazine
 Concen: 6.453 ng
 RT: 16.704 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP007982.D
 Acq: 15 Nov 2021 14:11

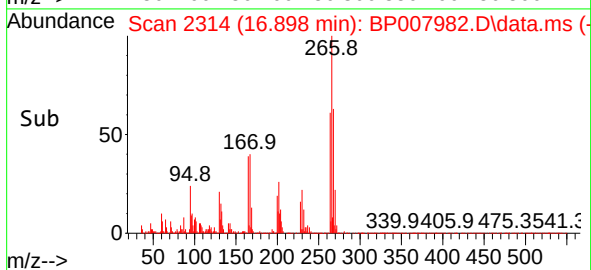
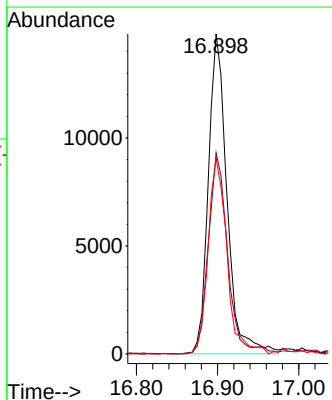
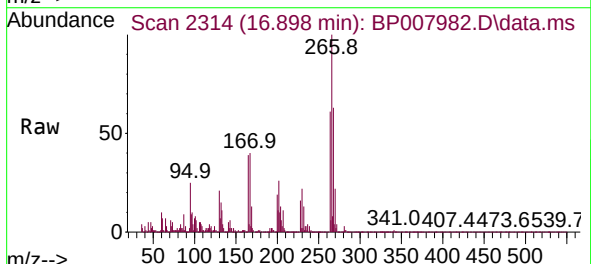
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

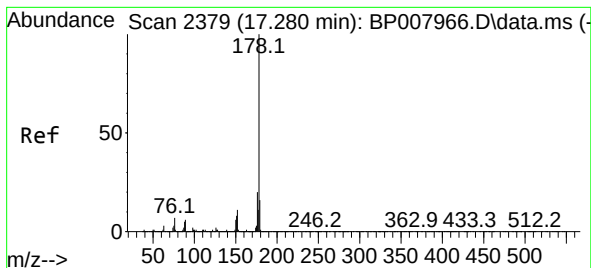
Tgt Ion:200 Resp: 39135
 Ion Ratio Lower Upper
 200 100
 173 25.4 6.2 46.2
 215 47.9 28.2 68.2



#70
 Pentachlorophenol
 Concen: 3.622 ng
 RT: 16.898 min Scan# 2314
 Delta R.T. 0.006 min
 Lab File: BP007982.D
 Acq: 15 Nov 2021 14:11

Tgt Ion:266 Resp: 23647
 Ion Ratio Lower Upper
 266 100
 268 62.8 49.3 73.9
 264 67.2 48.7 73.1





#71

Phenanthrene

Concen: 4.623 ng

RT: 17.286 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

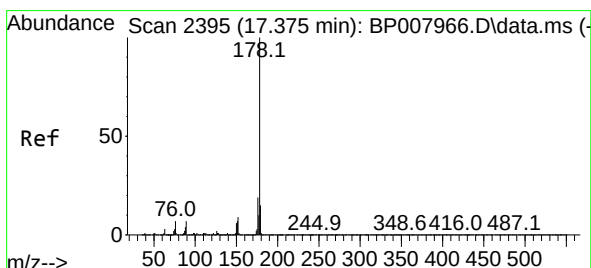
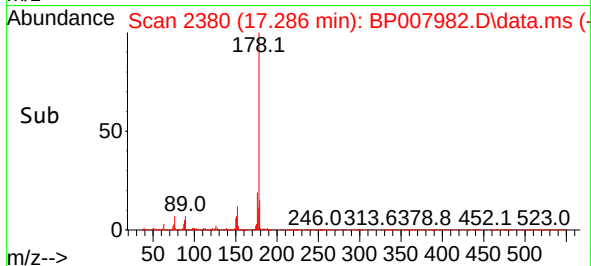
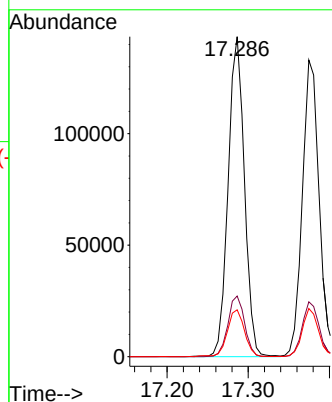
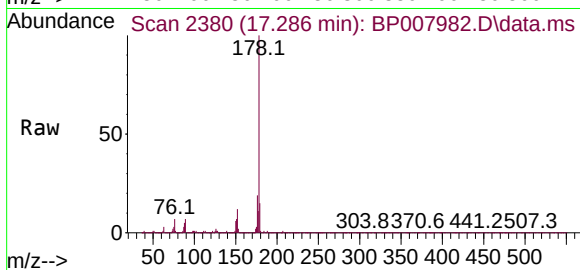
Tgt Ion:178 Resp: 200183

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 14.6 12.3 18.5



#72

Anthracene

Concen: 4.559 ng

RT: 17.375 min Scan# 2395

Delta R.T. -0.000 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

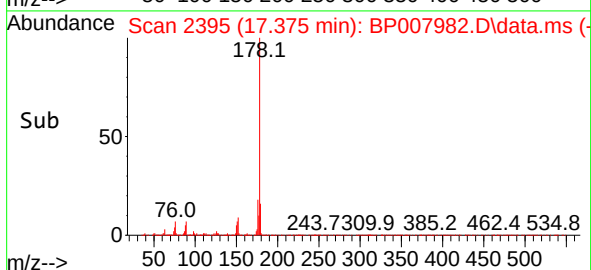
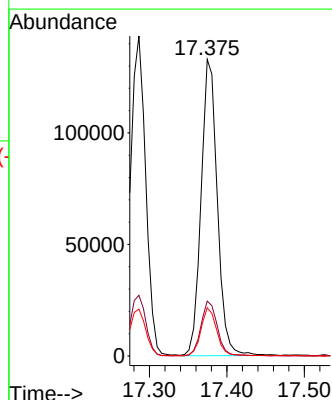
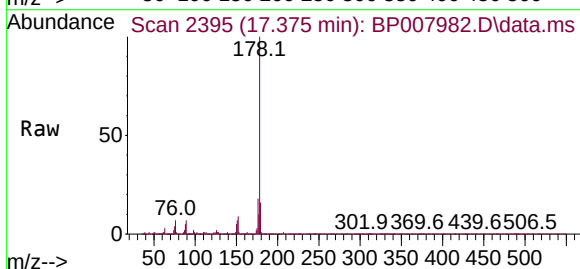
Tgt Ion:178 Resp: 193514

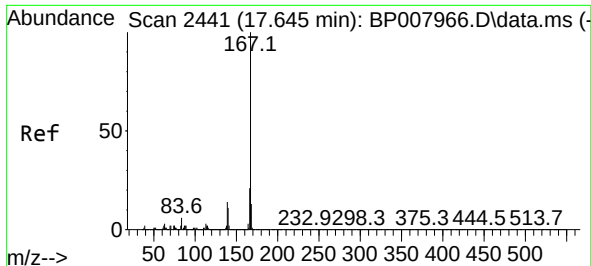
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 16.2 12.2 18.4

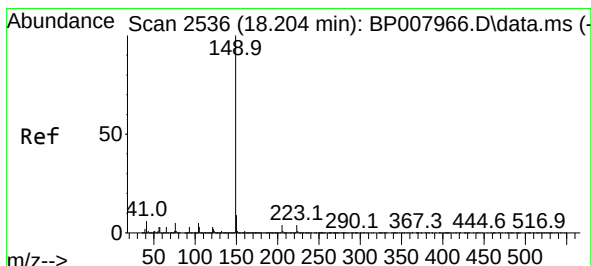
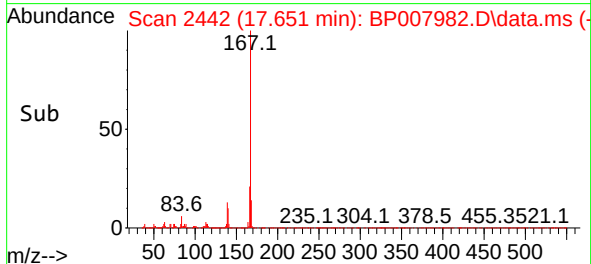
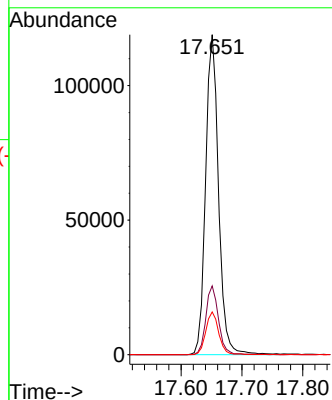
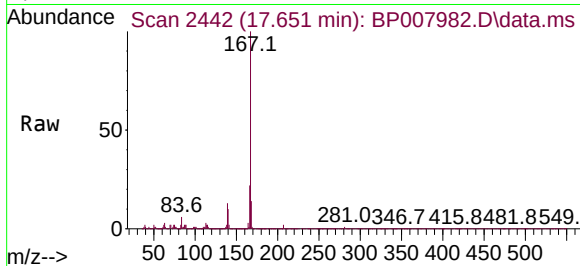




#73
Carbazole
Concen: 4.199 ng
RT: 17.651 min Scan# 2441
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

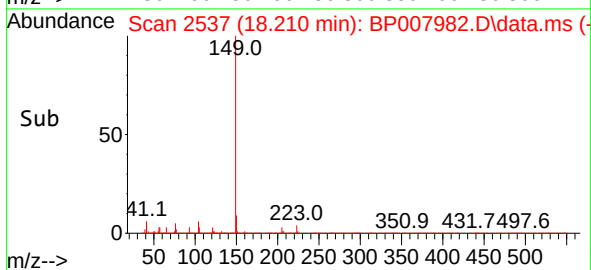
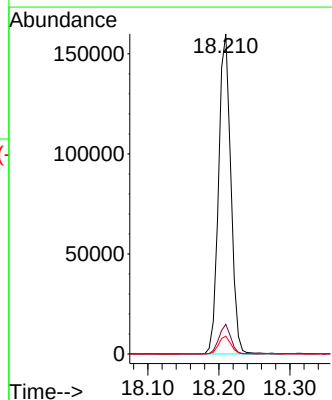
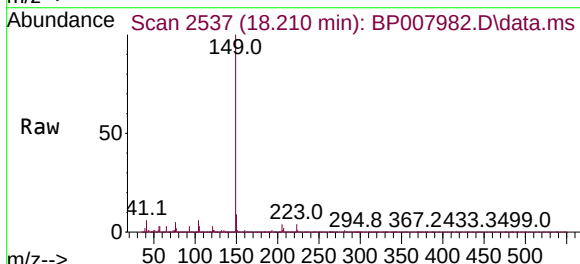
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

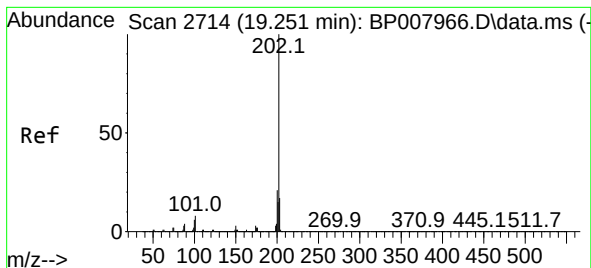
Tgt Ion:167 Resp: 175533
Ion Ratio Lower Upper
167 100
166 21.5 17.3 25.9
139 13.3 10.4 15.6



#74
Di-n-butylphthalate
Concen: 4.031 ng
RT: 18.210 min Scan# 2537
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:149 Resp: 190706
Ion Ratio Lower Upper
149 100
150 9.2 7.6 11.4
104 5.5 4.2 6.4





#75

Fluoranthene

Concen: 4.530 ng

RT: 19.257 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

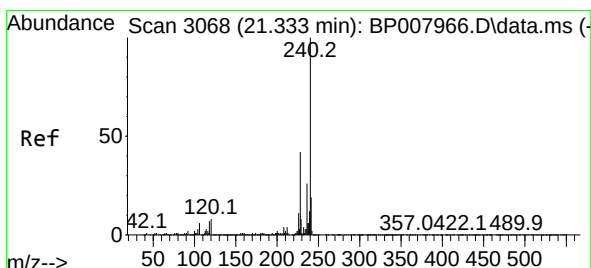
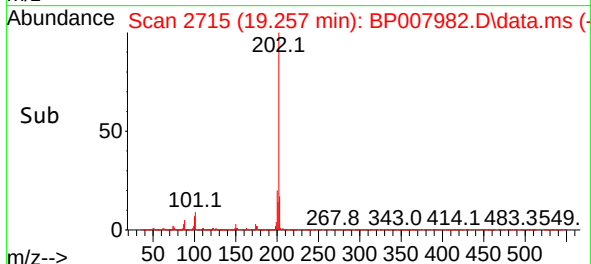
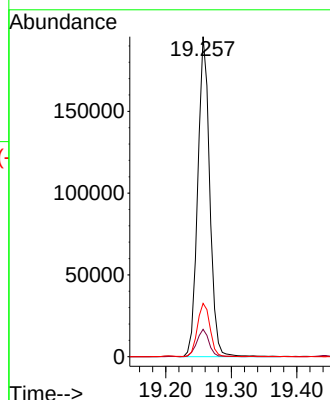
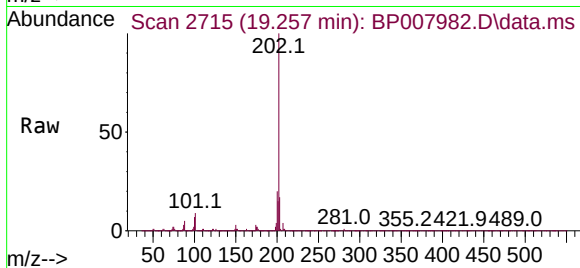
Tgt Ion:202 Resp: 248358

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.4

203 16.6 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.339 min Scan# 3069

Delta R.T. 0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

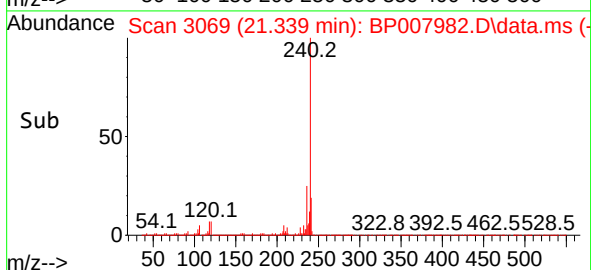
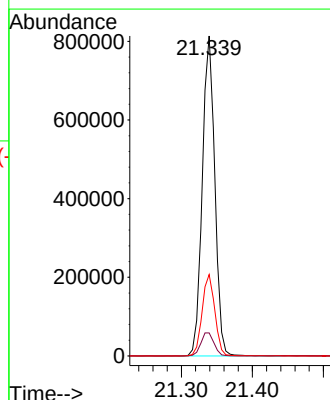
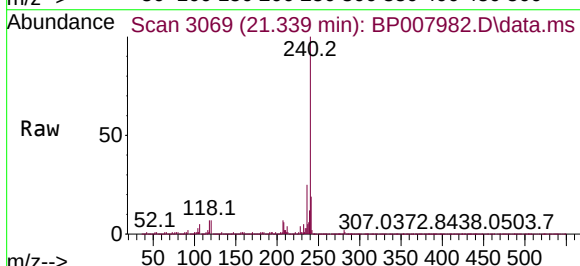
Tgt Ion:240 Resp: 999034

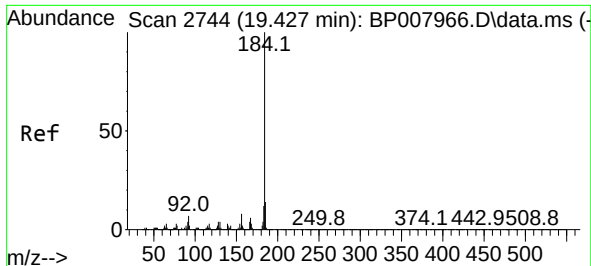
Ion Ratio Lower Upper

240 100

120 7.2 7.8 11.8#

236 25.5 20.6 30.8

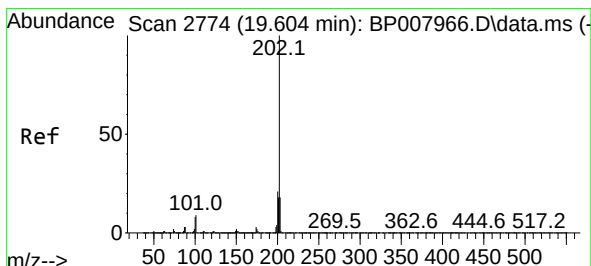
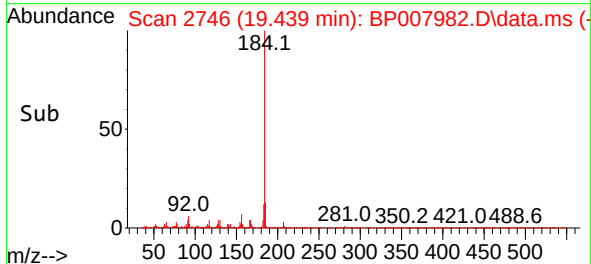
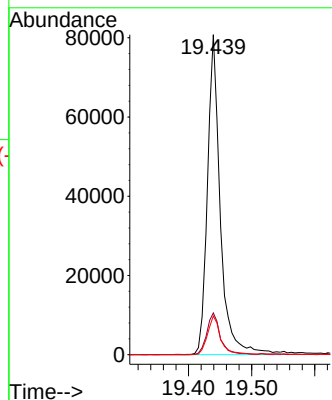
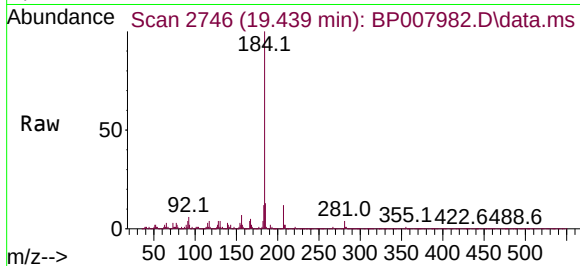




#77
Benzidine
Concen: 7.469 ng
RT: 19.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

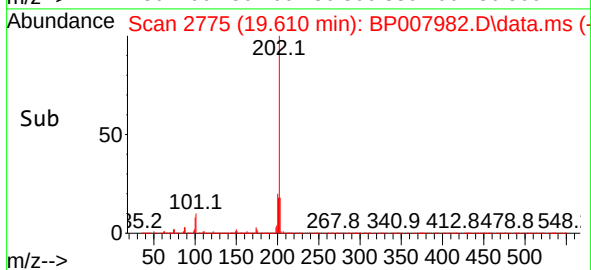
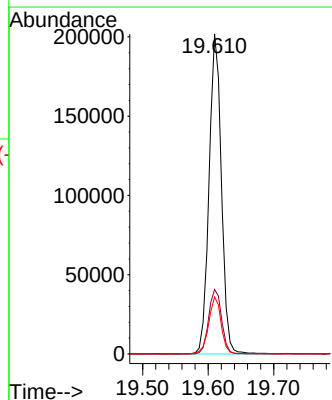
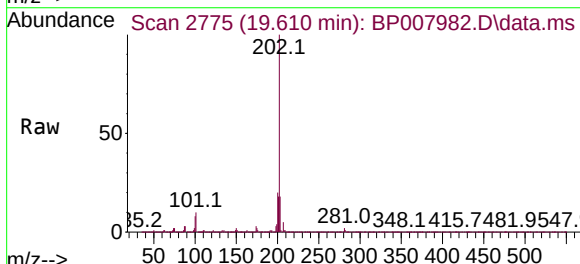
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

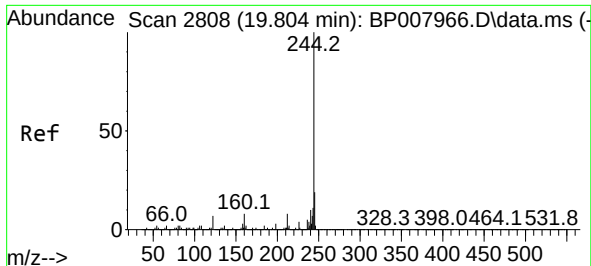
Tgt Ion:184 Resp: 114495
Ion Ratio Lower Upper
184 100
185 13.1 11.2 16.8
183 12.1 9.1 13.7



#78
Pyrene
Concen: 4.421 ng
RT: 19.610 min Scan# 2775
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:202 Resp: 264102
Ion Ratio Lower Upper
202 100
200 20.2 16.9 25.3
203 17.8 13.8 20.6

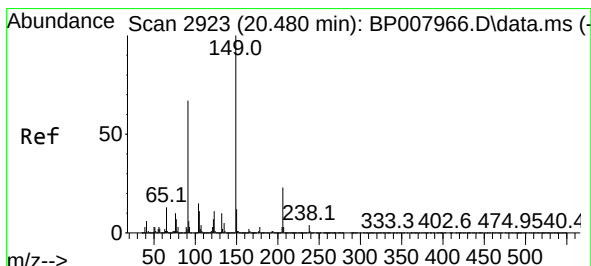
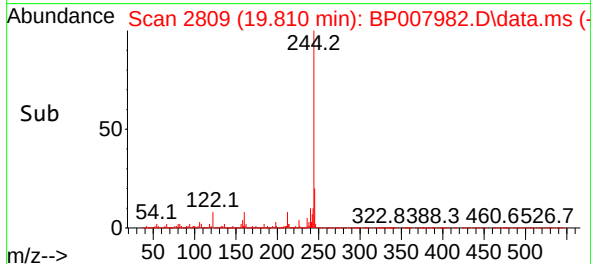
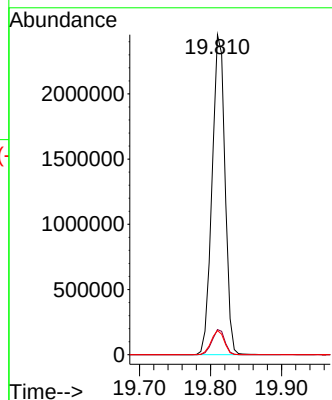
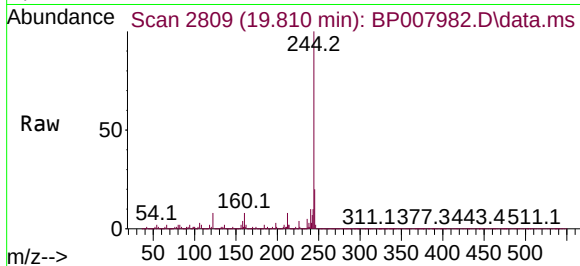




#79
 Terphenyl-d14
 Concen: 63.047 ng
 RT: 19.810 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP007982.D
 Acq: 15 Nov 2021 14:11

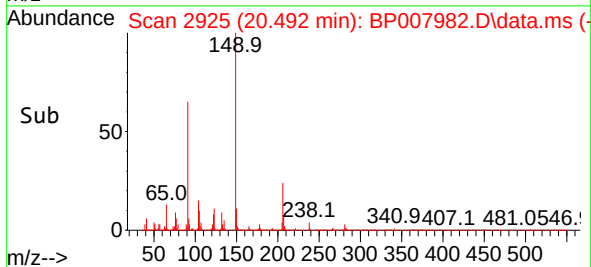
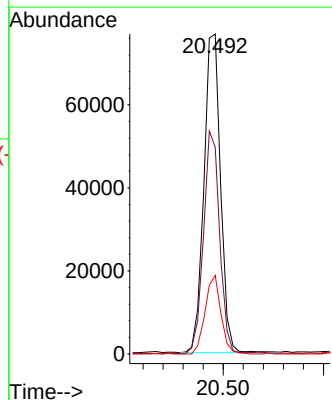
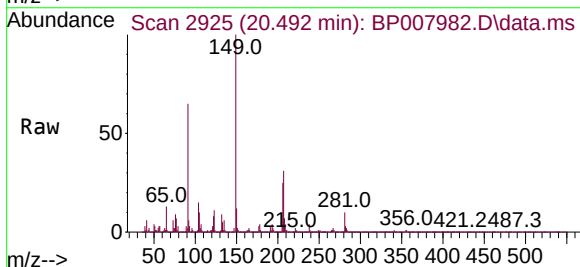
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

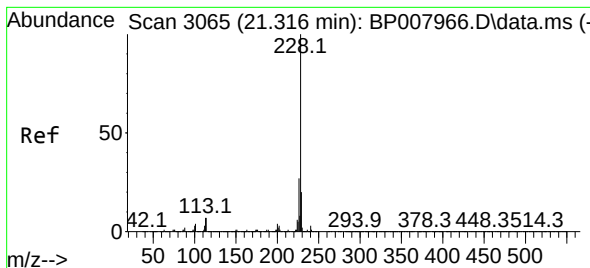
Tgt Ion:244 Resp: 3106255
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 7.5 7.8 11.8#



#80
 Butylbenzylphthalate
 Concen: 3.594 ng
 RT: 20.492 min Scan# 2925
 Delta R.T. 0.012 min
 Lab File: BP007982.D
 Acq: 15 Nov 2021 14:11

Tgt Ion:149 Resp: 88645
 Ion Ratio Lower Upper
 149 100
 91 64.6 56.6 85.0
 206 24.5 17.4 26.2





#81

Benzo(a)anthracene

Concen: 4.327 ng

RT: 21.321 min Scan# 3065

Delta R.T. 0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

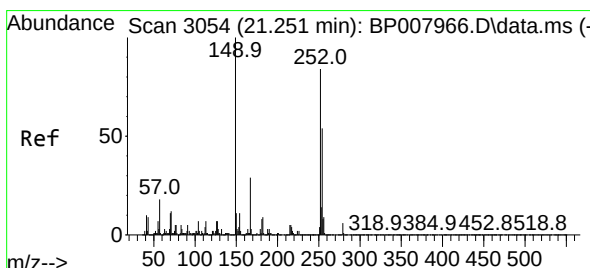
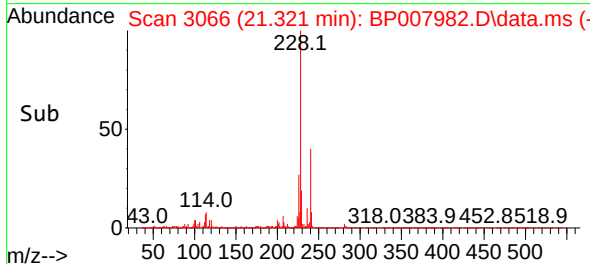
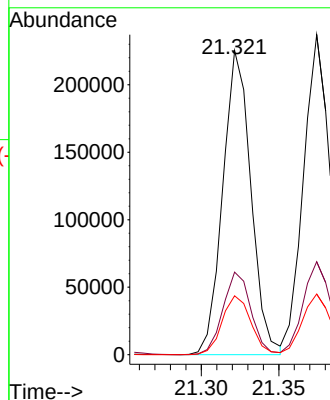
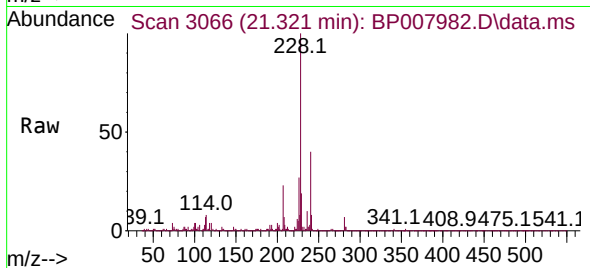
Tgt Ion:228 Resp: 284574

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.6

229 19.3 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 3.378 ng

RT: 21.257 min Scan# 3055

Delta R.T. 0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

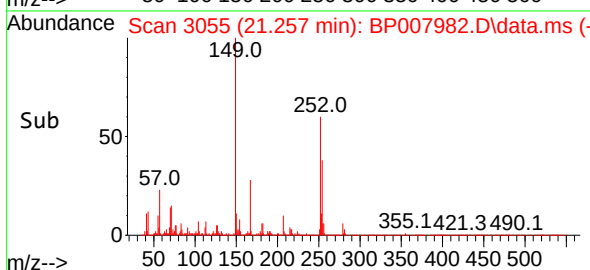
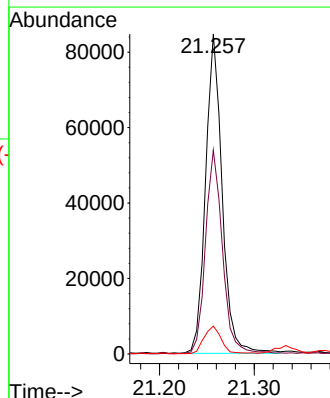
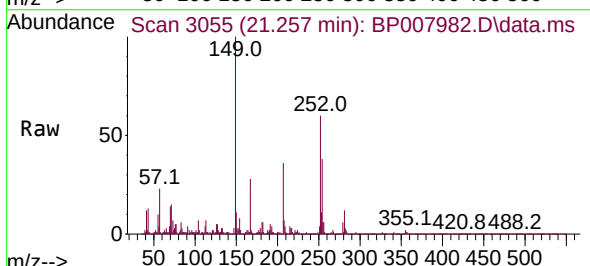
Tgt Ion:252 Resp: 102541

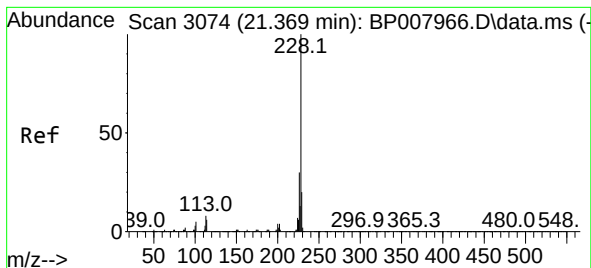
Ion Ratio Lower Upper

252 100

254 63.7 51.5 77.3

126 8.7 8.5 12.7





#83

Chrysene

Concen: 4.571 ng

RT: 21.374 min Scan# 3074

Delta R.T. 0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

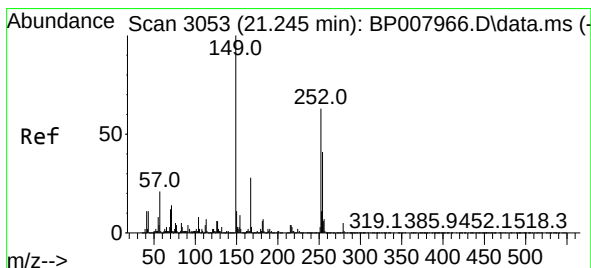
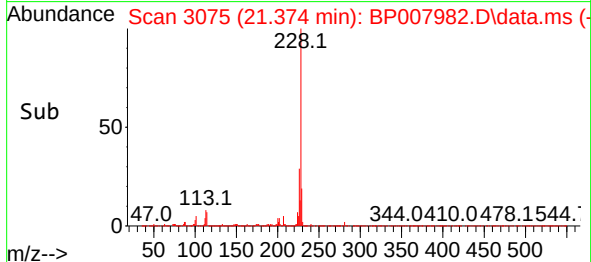
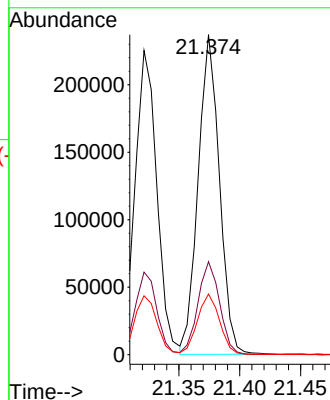
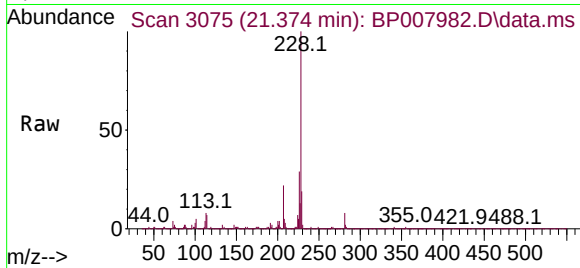
Tgt Ion:228 Resp: 288141

Ion Ratio Lower Upper

228 100

226 29.1 24.6 37.0

229 18.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.071 ng

RT: 21.257 min Scan# 3055

Delta R.T. 0.012 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

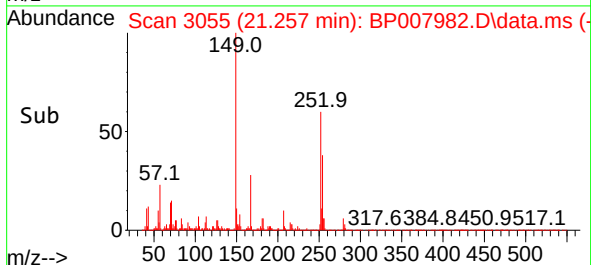
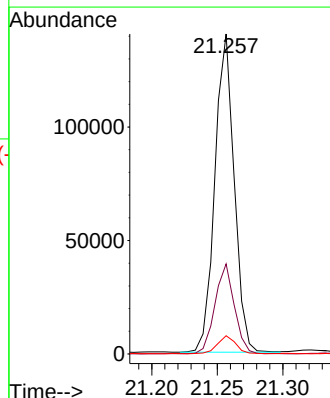
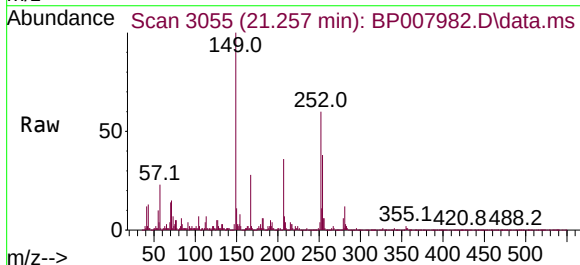
Tgt Ion:149 Resp: 143367

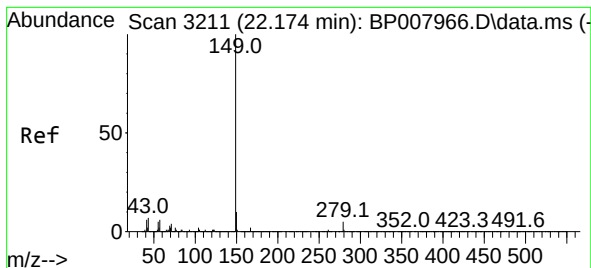
Ion Ratio Lower Upper

149 100

167 28.1 21.6 32.4

279 5.7 3.3 4.9#





#85

Di-n-octyl phthalate

Concen: 3.766 ng

RT: 22.186 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

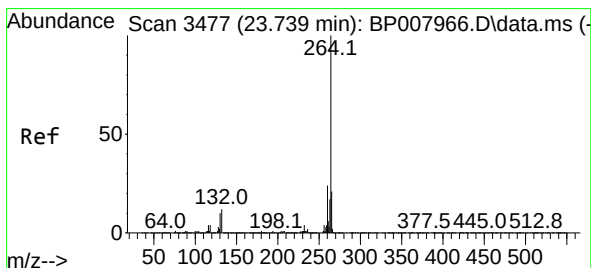
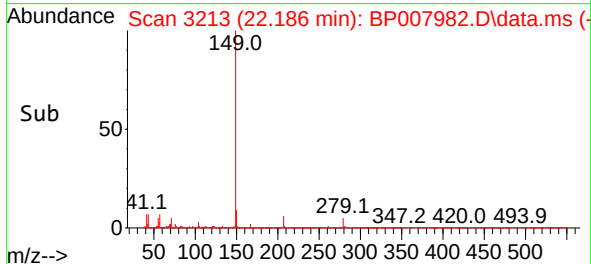
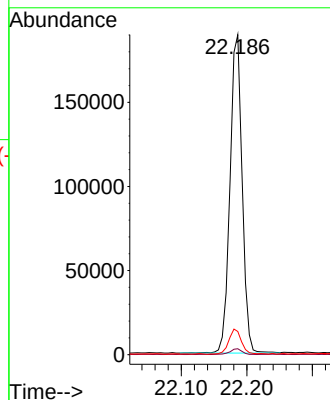
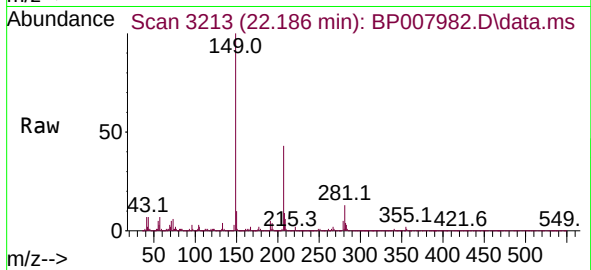
Tgt Ion:149 Resp: 244411

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 8.2 7.3 10.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.751 min Scan# 3479

Delta R.T. 0.012 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

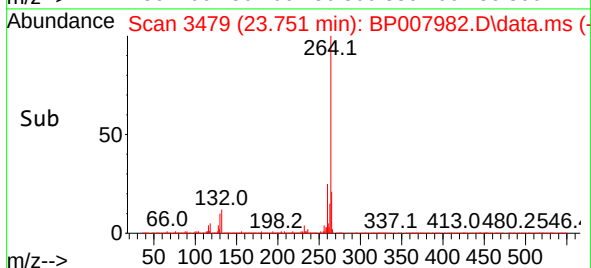
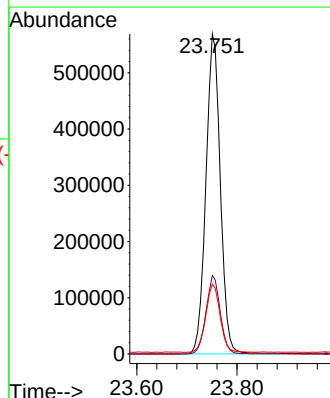
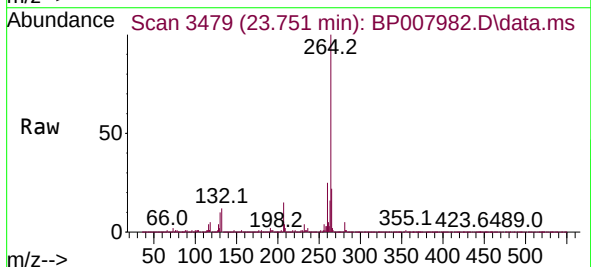
Tgt Ion:264 Resp: 1136342

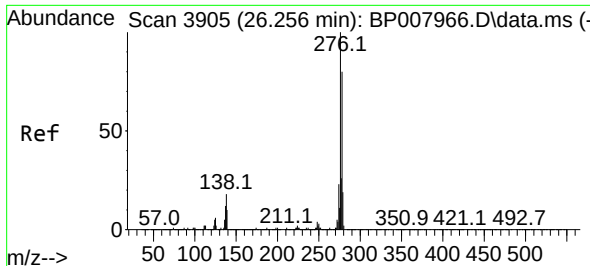
Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

265 21.8 16.7 25.1

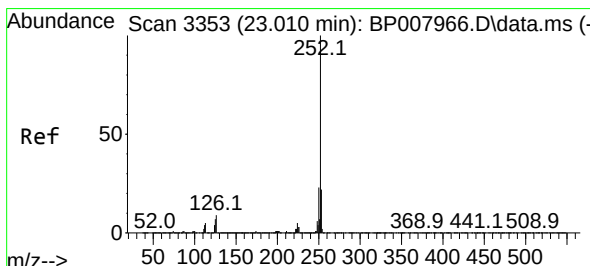
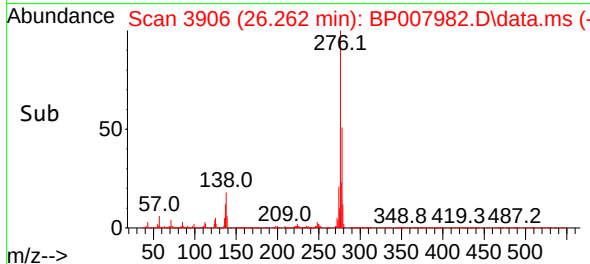
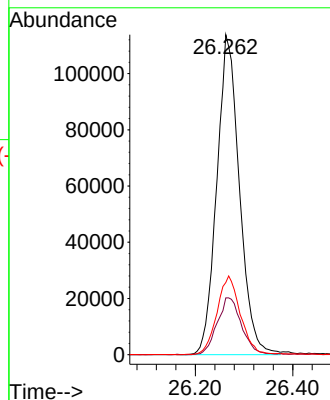
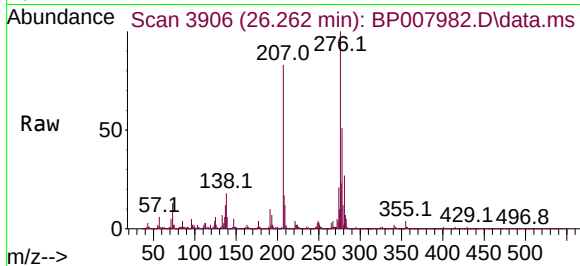




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.475 ng
 RT: 26.262 min Scan# 3906
 Delta R.T. 0.006 min
 Lab File: BP007982.D
 Acq: 15 Nov 2021 14:11

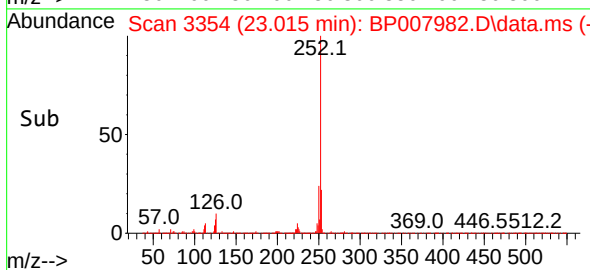
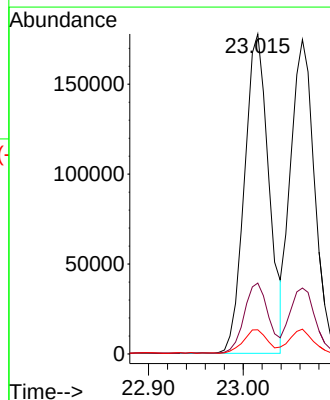
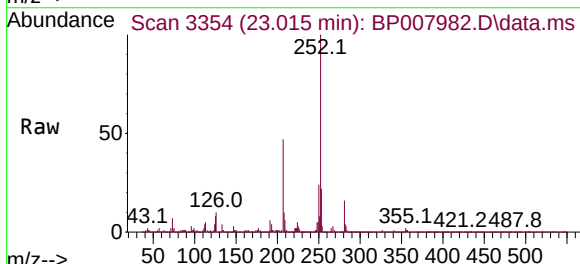
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

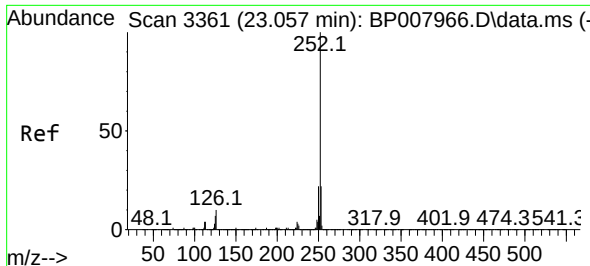
Tgt Ion:276 Resp: 367108
 Ion Ratio Lower Upper
 276 100
 138 19.1 19.4 29.0#
 277 25.6 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 4.714 ng
 RT: 23.015 min Scan# 3354
 Delta R.T. 0.006 min
 Lab File: BP007982.D
 Acq: 15 Nov 2021 14:11

Tgt Ion:252 Resp: 318832
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.4 26.2
 125 7.6 7.4 11.0

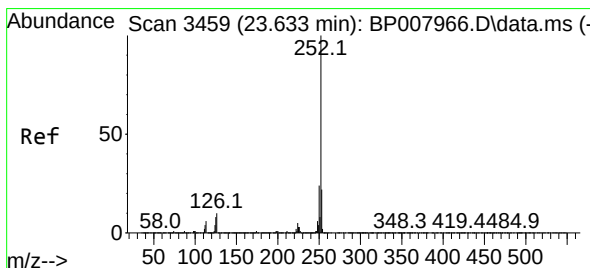
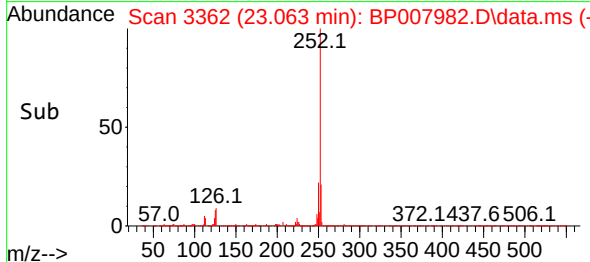
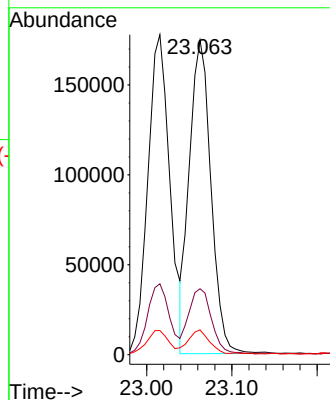
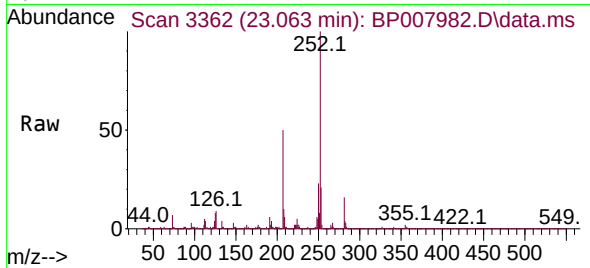




#89
Benzo(k)fluoranthene
Concen: 4.550 ng
RT: 23.063 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

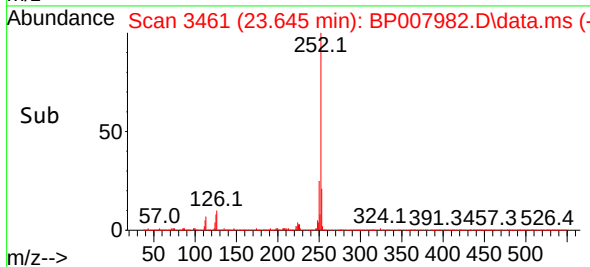
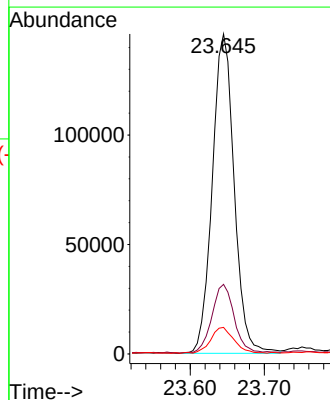
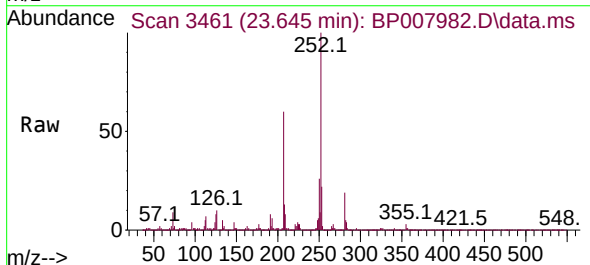
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2021

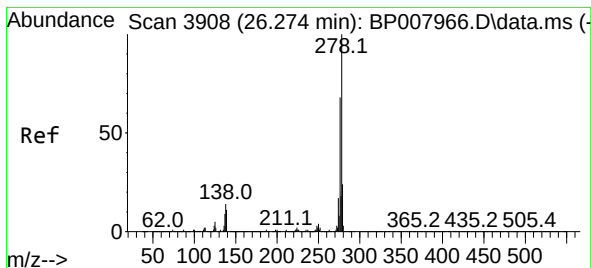
Tgt Ion:252 Resp: 307468
Ion Ratio Lower Upper
252 100
253 21.0 17.6 26.4
125 7.9 7.4 11.0



#90
Benzo(a)pyrene
Concen: 5.183 ng
RT: 23.645 min Scan# 3461
Delta R.T. 0.012 min
Lab File: BP007982.D
Acq: 15 Nov 2021 14:11

Tgt Ion:252 Resp: 299848
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 8.3 8.4 12.6#





#91

Dibenzo(a,h)anthracene

Concen: 4.549 ng

RT: 26.286 min Scan# 3908

Delta R.T. 0.012 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2021

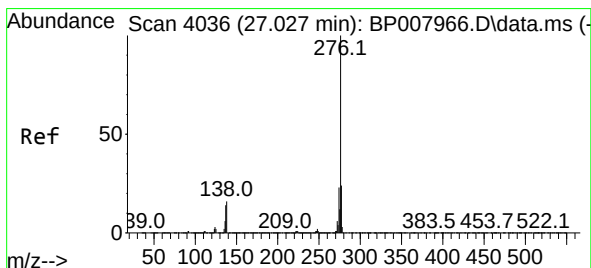
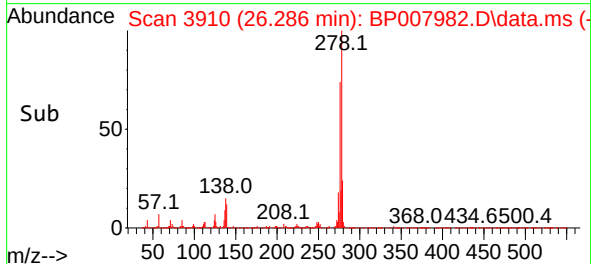
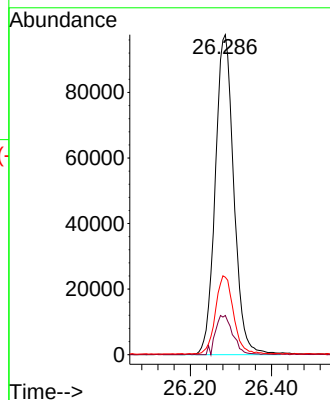
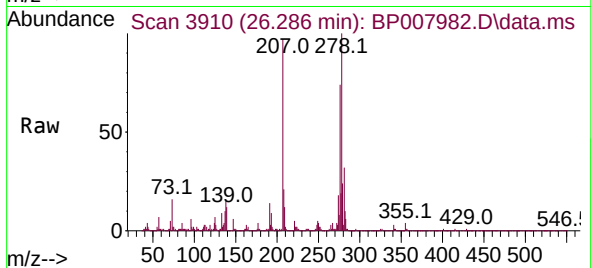
Tgt Ion:278 Resp: 309591

Ion Ratio Lower Upper

278 100

139 12.2 11.8 17.6

279 24.2 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 4.578 ng

RT: 27.033 min Scan# 4037

Delta R.T. 0.006 min

Lab File: BP007982.D

Acq: 15 Nov 2021 14:11

Tgt Ion:276 Resp: 307156

Ion Ratio Lower Upper

276 100

277 23.3 19.4 29.0

138 16.3 16.2 24.4

