

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110824\
 Data File : BP022927.D
 Acq On : 08 Nov 2024 09:55
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-5 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Nov 08 10:19:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 23:36:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.598	152	56485	20.000	ng	0.00
21) Naphthalene-d8	10.345	136	210508	20.000	ng	0.00
39) Acenaphthene-d10	14.222	164	178269	20.000	ng	0.00
64) Phenanthrene-d10	17.027	188	467156	20.000	ng	0.00
76) Chrysene-d12	21.457	240	569950	20.000	ng	0.00
86) Perylene-d12	24.686	264	687342	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	326647	109.746	ng	0.00
7) Phenol-d6	6.793	99	444233	107.024	ng	0.00
23) Nitrobenzene-d5	8.740	82	370379	83.123	ng	0.00
42) 2,4,6-Tribromophenol	15.733	330	433213	125.372	ng	-0.01
45) 2-Fluorobiphenyl	12.822	172	1013656	81.246	ng	0.00
79) Terphenyl-d14	19.757	244	2457218	80.967	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.181	88	5652	4.756	ng	# 95
3) Pyridine	3.593	79	12205	3.741	ng	# 94
4) n-Nitrosodimethylamine	3.493	42	7344	4.669	ng	# 91
6) Aniline	6.940	93	19450	5.621	ng	97
8) 2-Chlorophenol	7.175	128	14392	4.613	ng	94
9) Benzaldehyde	6.763	77	15723	6.554	ng	93
10) Phenol	6.816	94	19067	4.638	ng	# 75
11) bis(2-Chloroethyl)ether	7.034	93	14961	4.817	ng	93
12) 1,3-Dichlorobenzene	7.487	146	18347	4.608	ng	98
13) 1,4-Dichlorobenzene	7.634	146	18986	4.670	ng	91
14) 1,2-Dichlorobenzene	7.940	146	18474	4.700	ng	98
15) Benzyl Alcohol	7.845	79	12664	4.028	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.104	45	16493	4.895	ng	98
17) 2-Methylphenol	8.051	107	11940	4.279	ng	95
18) Hexachloroethane	8.645	117	7074	4.703	ng	92
19) n-Nitroso-di-n-propyla...	8.387	70	13728	4.832	ng	# 91
20) 3+4-Methylphenols	8.387	107	15756	4.040	ng	93
22) Acetophenone	8.410	105	26443	4.719	ng	# 94
24) Nitrobenzene	8.781	77	23086	5.101	ng	94
25) Isophorone	9.298	82	35088	4.653	ng	99
26) 2-Nitrophenol	9.492	139	7588	4.083	ng	95
27) 2,4-Dimethylphenol	9.557	122	6692	3.153	ng	89
28) bis(2-Chloroethoxy)met...	9.775	93	19618	4.580	ng	99
29) 2,4-Dichlorophenol	10.045	162	15585	4.242	ng	85
30) 1,2,4-Trichlorobenzene	10.210	180	21071	4.487	ng	86
31) Naphthalene	10.398	128	46801	4.437	ng	98
32) Benzoic acid	9.675	122	7612	2.987	ng	# 76
33) 4-Chloroaniline	10.534	127	17280	4.603	ng	97
34) Hexachlorobutadiene	10.669	225	15312	4.445	ng	94
35) Caprolactam	11.304	113	4222	3.839	ng	# 75
36) 4-Chloro-3-methylphenol	11.669	107	16610	4.055	ng	88
37) 2-Methylnaphthalene	12.016	142	36173	4.579	ng	94
38) 1-Methylnaphthalene	12.228	142	33340	4.252	ng	99
40) 1,2,4,5-Tetrachloroben...	12.392	216	27150	4.499	ng	97
43) 2,4,6-Trichlorophenol	12.645	196	15803	4.117	ng	99
44) 2,4,5-Trichlorophenol	12.739	196	16218	3.712	ng	93

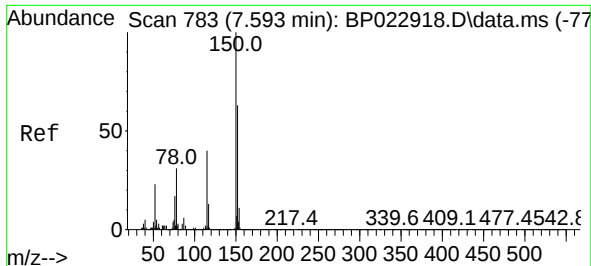
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110824\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 23:36:11 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.033	154	56143	4.738	ng	96
47) 2-Chloronaphthalene	13.080	162	43544	4.428	ng	99
48) 2-Nitroaniline	13.304	65	11718	4.090	ng	96
49) Acenaphthylene	13.939	152	64876	4.724	ng	97
50) Dimethylphthalate	13.669	163	59132	4.530	ng	99
51) 2,6-Dinitrotoluene	13.810	165	11647	3.924	ng	# 82
52) Acenaphthene	14.286	154	37405	4.235	ng	96
53) 3-Nitroaniline	14.157	138	9153	3.796	ng	96
54) 2,4-Dinitrophenol	14.375	184	5659	3.073	ng	92
55) Dibenzofuran	14.627	168	71721	4.624	ng	98
56) 4-Nitrophenol	14.527	139	5420	2.733	ng	94
57) 2,4-Dinitrotoluene	14.622	165	15683	3.655	ng	# 79
58) Fluorene	15.292	166	57402	4.455	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.874	232	19015	4.512	ng	99
60) Diethylphthalate	15.057	149	59734	4.602	ng	99
61) 4-Chlorophenyl-phenyle...	15.286	204	34269	4.512	ng	97
62) 4-Nitroaniline	15.333	138	9004	3.639	ng	99
63) Azobenzene	15.592	77	50205	4.498	ng	99
65) 4,6-Dinitro-2-methylph...	15.404	198	9837	3.461	ng	96
66) n-Nitrosodiphenylamine	15.510	169	48704	4.217	ng	97
67) 4-Bromophenyl-phenylether	16.192	248	24903	4.445	ng	95
68) Hexachlorobenzene	16.321	284	32124	4.476	ng	99
69) Atrazine	16.480	200	22604	5.806	ng	94
70) Pentachlorophenol	16.698	266	17230	3.759	ng	88
71) Phenanthrene	17.074	178	104285	4.613	ng	99
72) Anthracene	17.163	178	92265	4.252	ng	98
73) Carbazole	17.451	167	87281	4.212	ng	99
74) Di-n-butylphthalate	18.039	149	94183	4.078	ng	98
75) Fluoranthene	19.163	202	130996	4.177	ng	98
77) Benzidine	19.368	184	34451	3.059	ng	96
78) Pyrene	19.539	202	141053	4.181	ng	99
80) Butylbenzylphthalate	20.492	149	43843	3.811	ng	97
81) Benzo(a)anthracene	21.439	228	159123	4.487	ng	99
82) 3,3'-Dichlorobenzidine	21.368	252	56090	3.907	ng	98
83) Chrysene	21.504	228	153216	4.612	ng	99
84) Bis(2-ethylhexyl)phtha...	21.368	149	64831	3.927	ng	97
85) Di-n-octyl phthalate	22.592	149	116172	4.211	ng	100
87) Indeno(1,2,3-cd)pyrene	28.339	276	223873	4.829	ng	# 83
88) Benzo(b)fluoranthene	23.668	252	176823	4.379	ng	99
89) Benzo(k)fluoranthene	23.733	252	176116	4.619	ng	97
90) Benzo(a)pyrene	24.539	252	160498	4.645	ng	99
91) Dibenzo(a,h)anthracene	28.397	278	183517	4.827	ng	98
92) Benzo(g,h,i)perylene	29.503	276	173735	4.460	ng	97

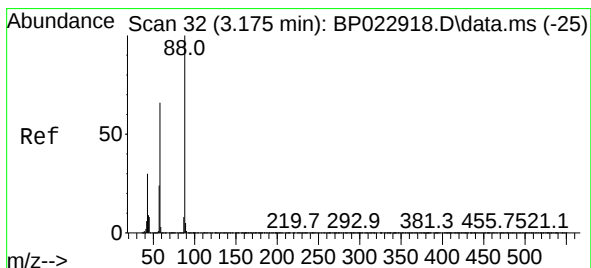
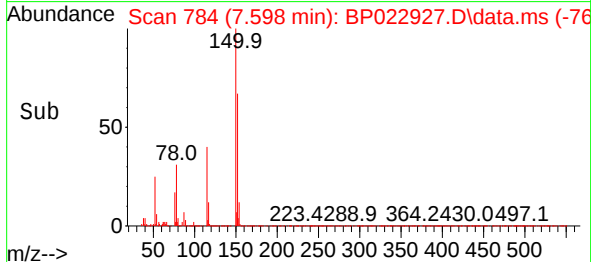
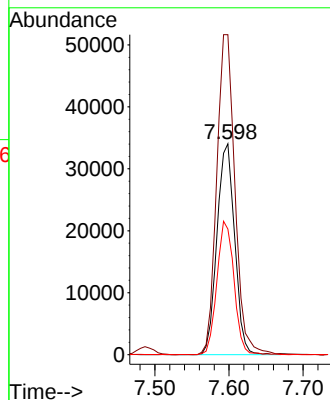
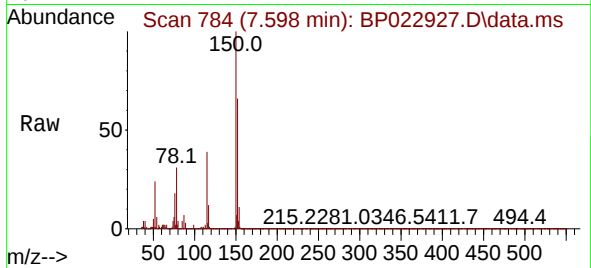
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.598 min Scan# 71
Delta R.T. 0.005 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

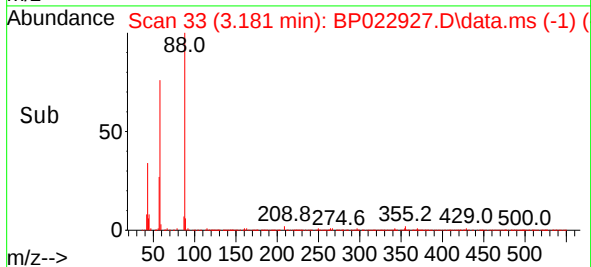
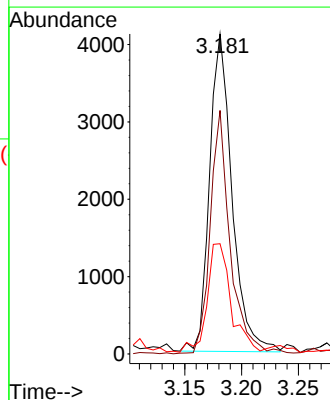
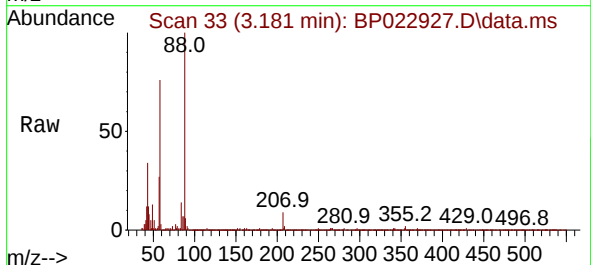
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

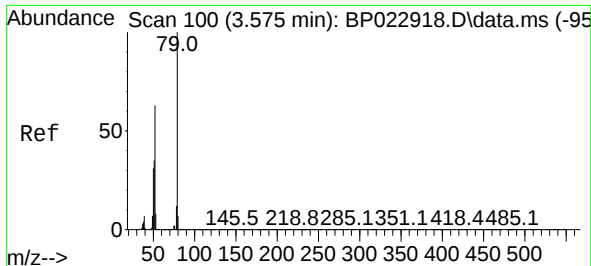
Tgt Ion:152 Resp: 56485
Ion Ratio Lower Upper
152 100
150 151.8 127.0 190.4
115 59.6 50.5 75.7



#2
1,4-Dioxane
Concen: 4.756 ng
RT: 3.181 min Scan# 33
Delta R.T. 0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion: 88 Resp: 5652
Ion Ratio Lower Upper
88 100
58 67.8 52.8 79.2
43 35.6 23.4 35.0#

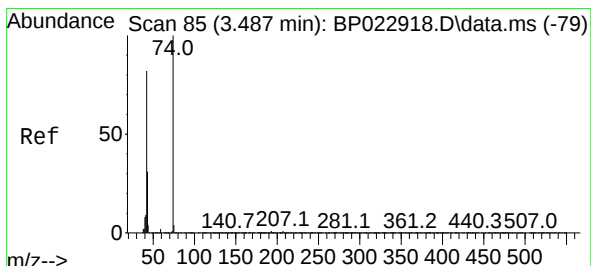
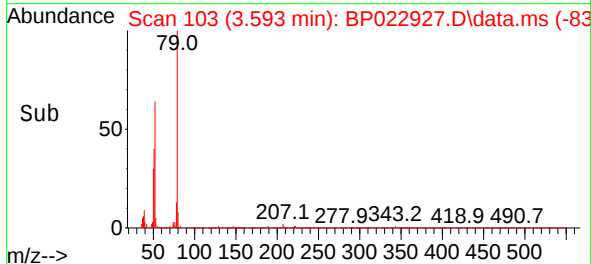
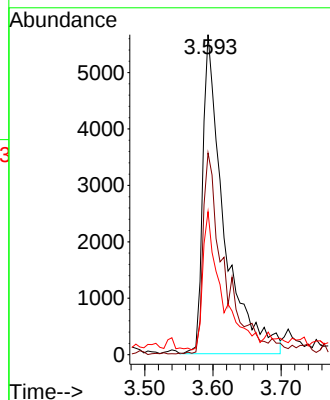
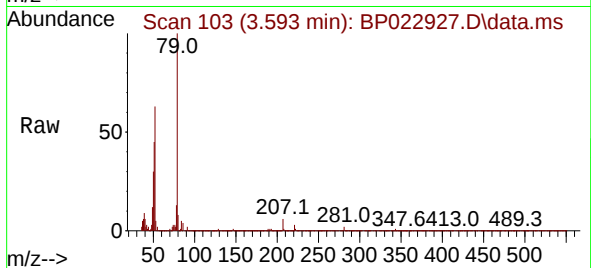




#3
Pyridine
Concen: 3.741 ng
RT: 3.593 min Scan# 103
Delta R.T. 0.018 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

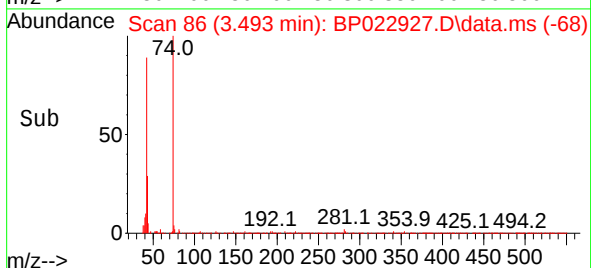
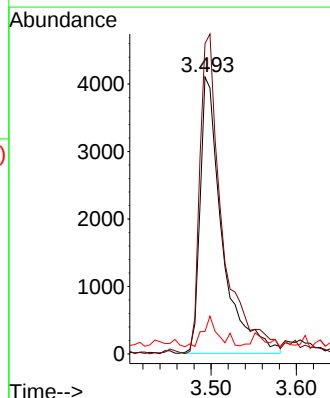
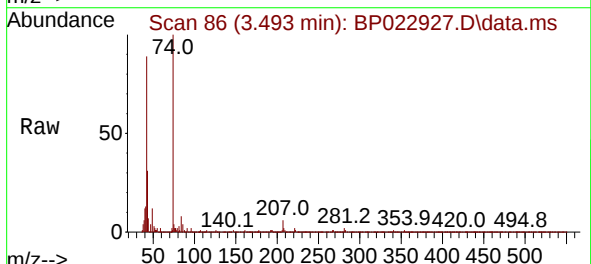
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

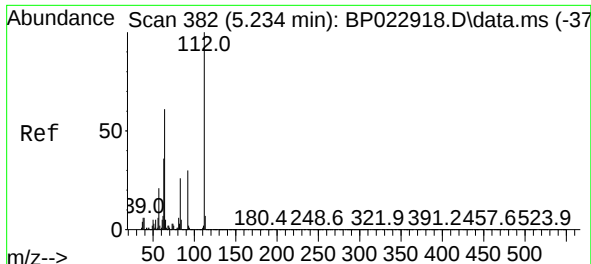
Tgt Ion: 79 Resp: 12205
Ion Ratio Lower Upper
79 100
52 63.1 50.4 75.6
51 44.7 28.6 43.0#



#4
n-Nitrosodimethylamine
Concen: 4.669 ng
RT: 3.493 min Scan# 86
Delta R.T. 0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion: 42 Resp: 7344
Ion Ratio Lower Upper
42 100
74 112.1 97.7 146.5
44 8.2 4.5 6.7#

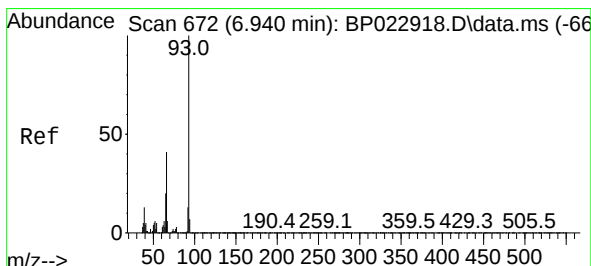
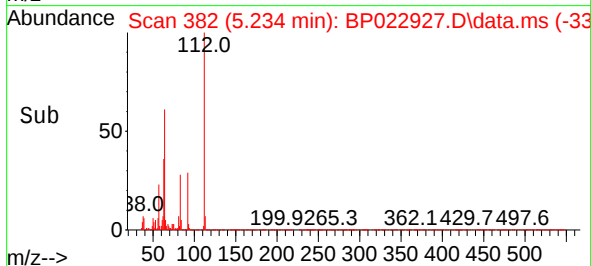
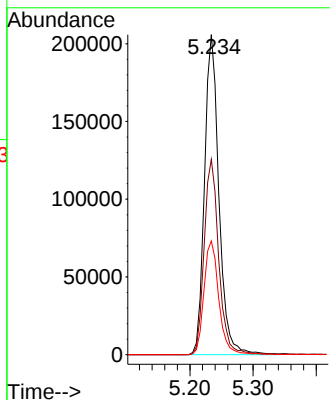
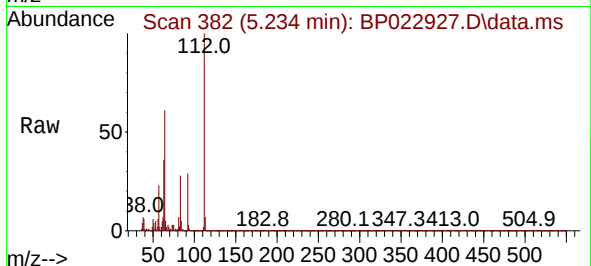




#5
2-Fluorophenol
Concen: 109.746 ng
RT: 5.234 min Scan# 382
Delta R.T. -0.000 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

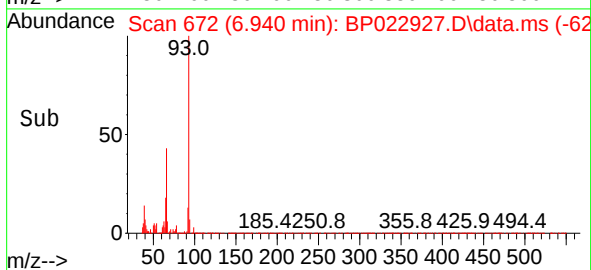
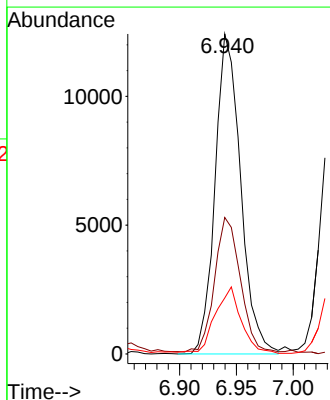
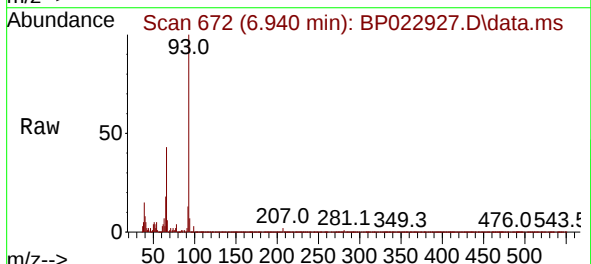
Instrument :
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LOQ-SOIL-02-QT4-2024

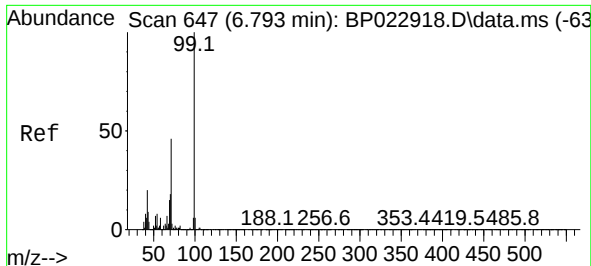
Tgt Ion:112 Resp: 326647
Ion Ratio Lower Upper
112 100
64 61.0 48.7 73.1
63 35.6 29.0 43.4



#6
Aniline
Concen: 5.621 ng
RT: 6.940 min Scan# 672
Delta R.T. -0.000 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion: 93 Resp: 19450
Ion Ratio Lower Upper
93 100
66 42.6 32.9 49.3
65 17.5 16.0 24.0

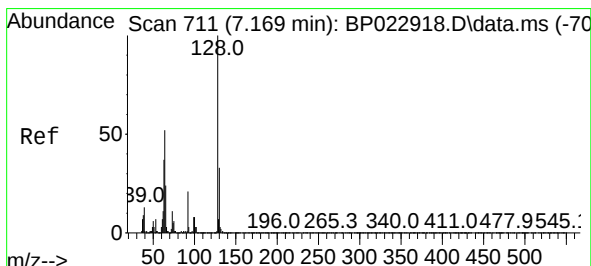
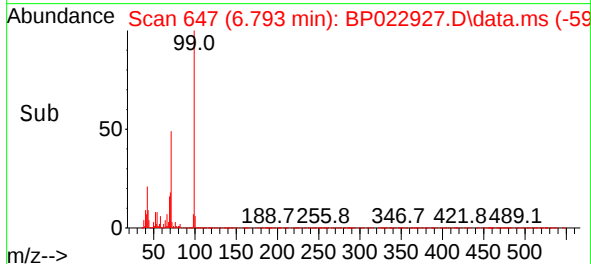
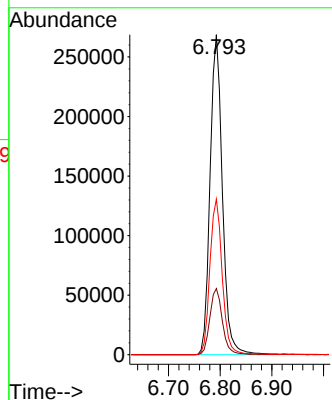
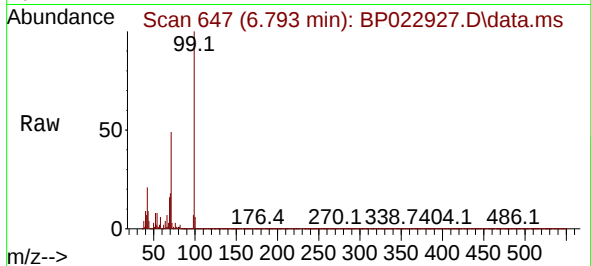




#7
Phenol-d6
Concen: 107.024 ng
RT: 6.793 min Scan# 647
Delta R.T. -0.000 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

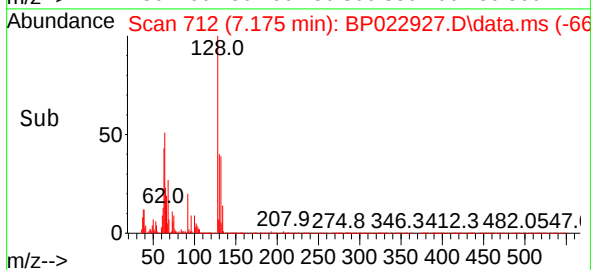
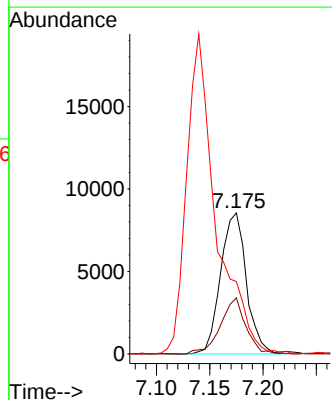
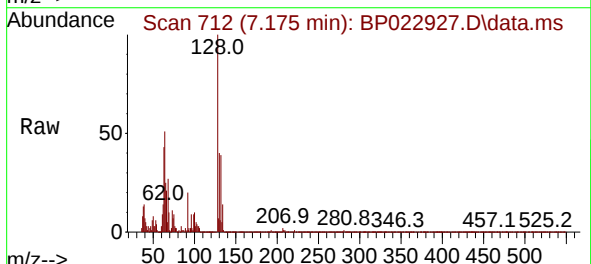
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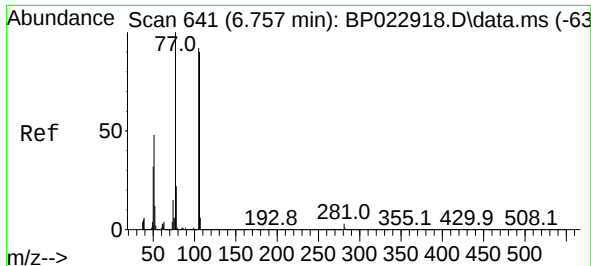
Tgt Ion: 99 Resp: 444233
Ion Ratio Lower Upper
99 100
42 20.7 15.8 23.6
71 48.6 36.6 55.0



#8
2-Chlorophenol
Concen: 4.613 ng
RT: 7.175 min Scan# 712
Delta R.T. 0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion: 128 Resp: 14392
Ion Ratio Lower Upper
128 100
130 39.8 12.6 52.6
64 51.4 32.7 72.7





#9

Benzaldehyde

Concen: 6.554 ng

RT: 6.763 min Scan# 641

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

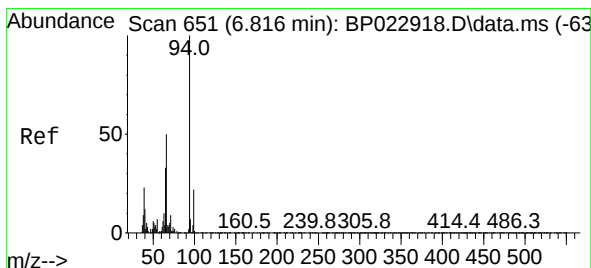
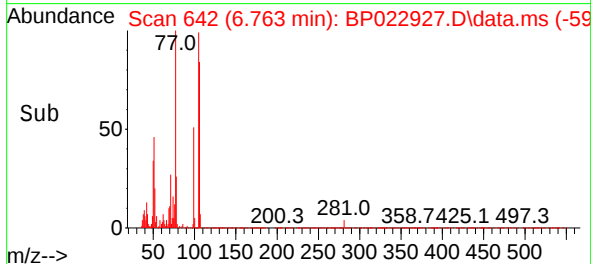
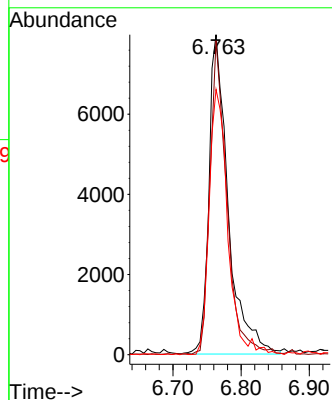
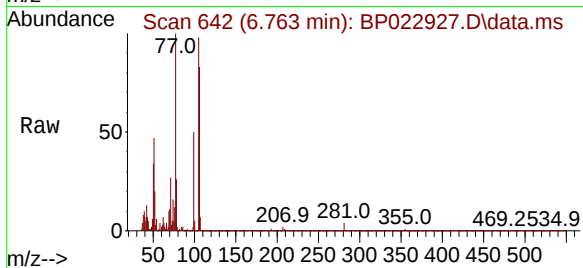
Tgt Ion: 77 Resp: 15723

Ion Ratio Lower Upper

77 100

105 98.2 71.4 111.4

106 82.9 69.9 109.9



#10

Phenol

Concen: 4.638 ng

RT: 6.816 min Scan# 651

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

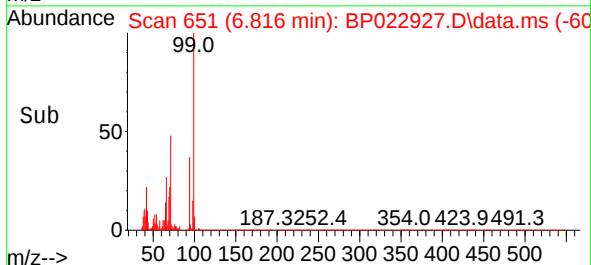
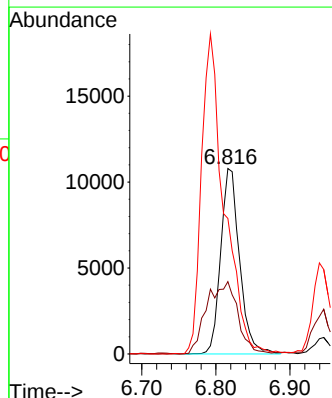
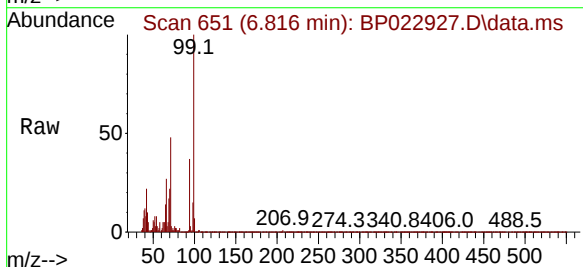
Tgt Ion: 94 Resp: 19067

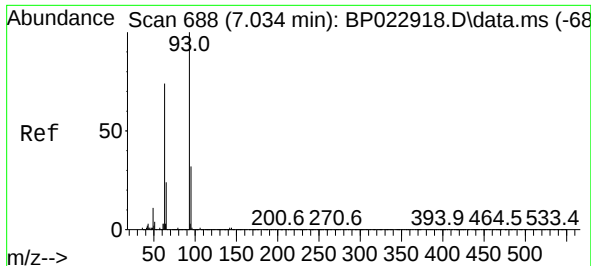
Ion Ratio Lower Upper

94 100

65 39.0 12.9 52.9

66 73.1 30.0 70.0#





#11

bis(2-Chloroethyl)ether

Concen: 4.817 ng

RT: 7.034 min Scan# 688

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

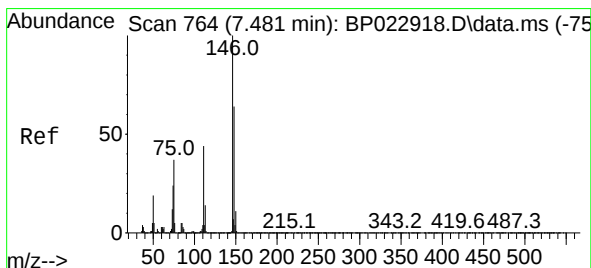
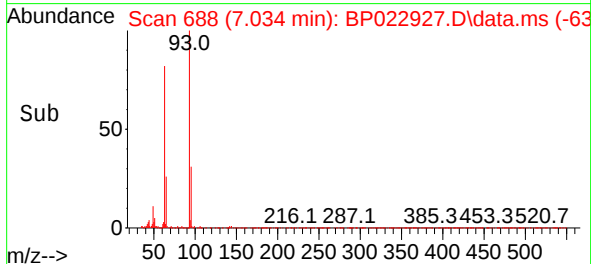
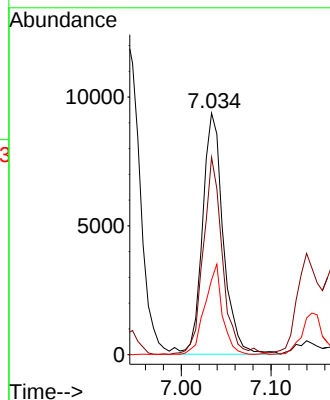
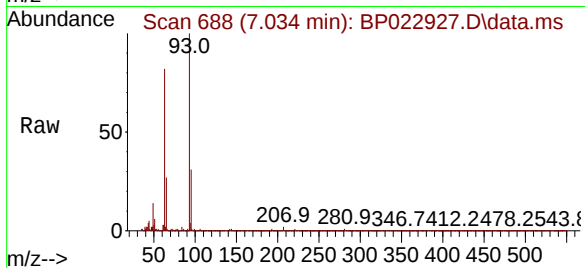
Tgt Ion: 93 Resp: 14961

Ion Ratio Lower Upper

93 100

63 81.7 53.6 93.6

95 31.0 12.1 52.1



#12

1,3-Dichlorobenzene

Concen: 4.608 ng

RT: 7.487 min Scan# 765

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

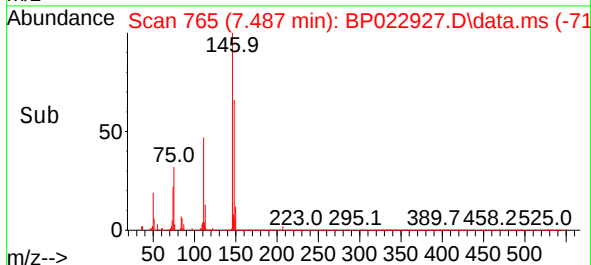
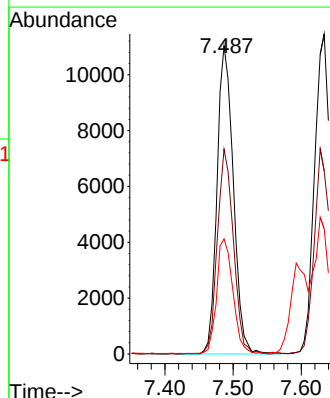
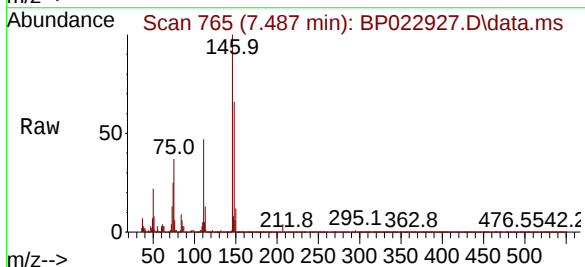
Tgt Ion:146 Resp: 18347

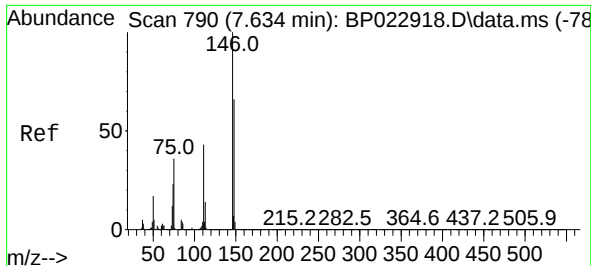
Ion Ratio Lower Upper

146 100

148 66.4 51.4 77.0

75 37.3 29.3 43.9

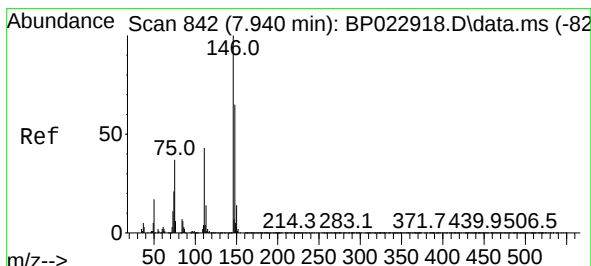
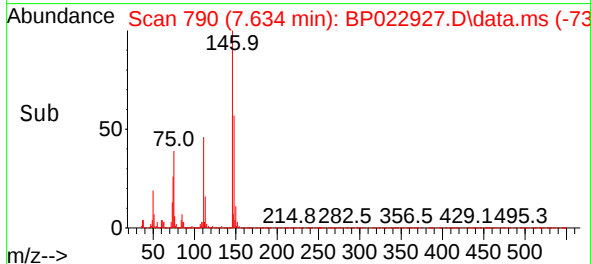
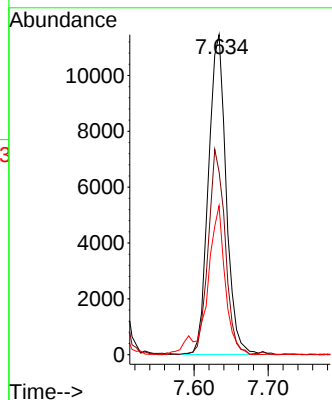
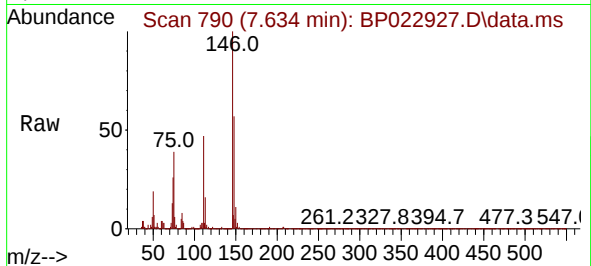




#13
1,4-Dichlorobenzene
Concen: 4.670 ng
RT: 7.634 min Scan# 790
Delta R.T. -0.000 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

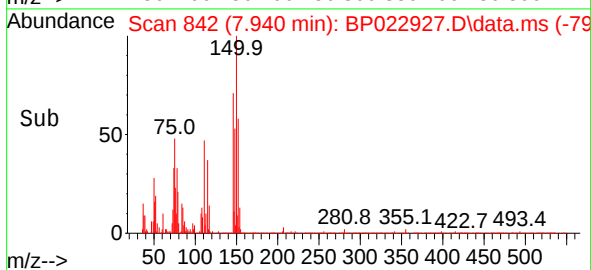
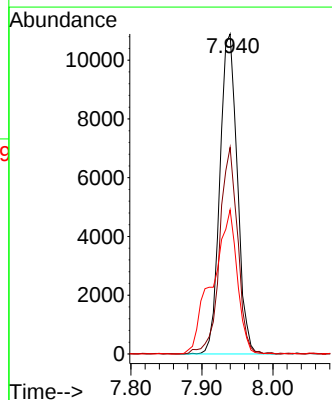
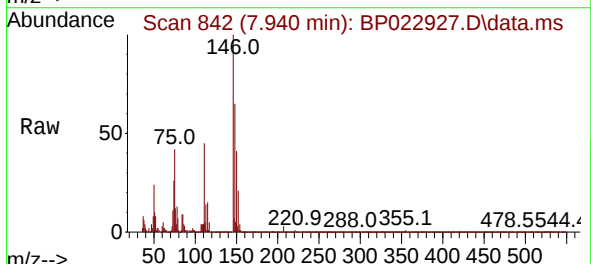
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

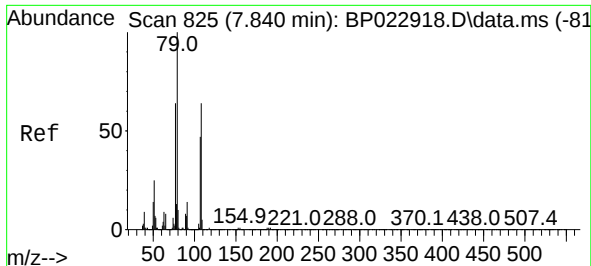
Tgt Ion:146 Resp: 18986
Ion Ratio Lower Upper
146 100
148 57.1 53.2 79.8
111 46.6 35.0 52.4



#14
1,2-Dichlorobenzene
Concen: 4.700 ng
RT: 7.940 min Scan# 842
Delta R.T. -0.000 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion:146 Resp: 18474
Ion Ratio Lower Upper
146 100
148 64.6 52.4 78.6
111 45.0 34.2 51.4

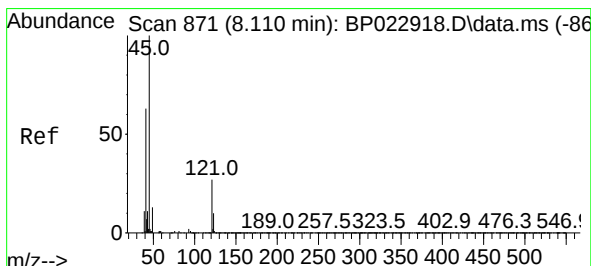
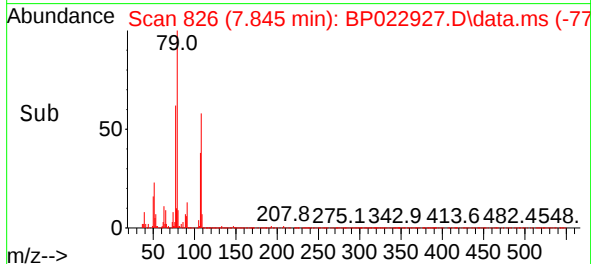
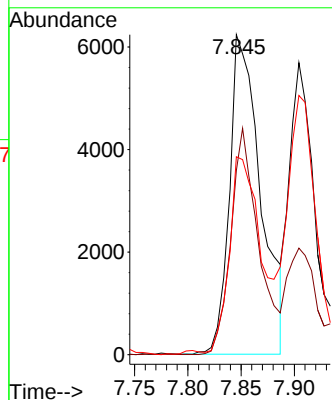
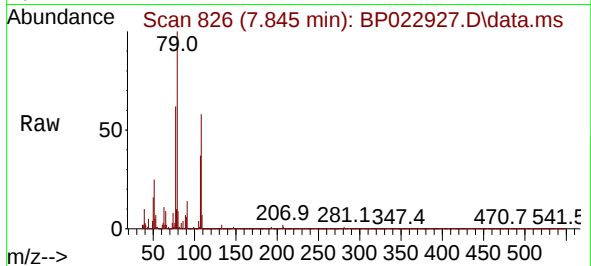




#15
Benzyl Alcohol
Concen: 4.028 ng
RT: 7.845 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

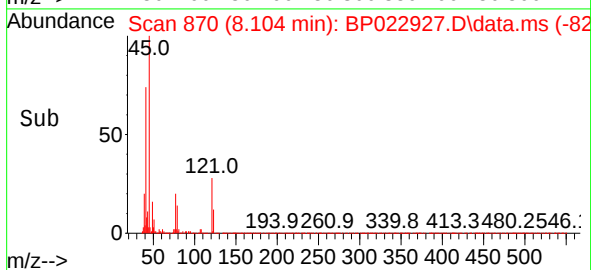
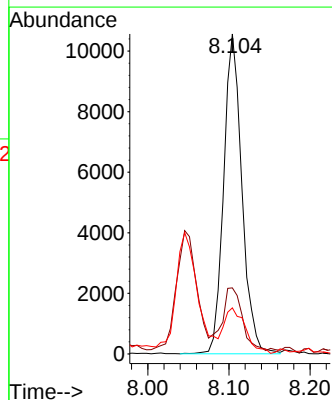
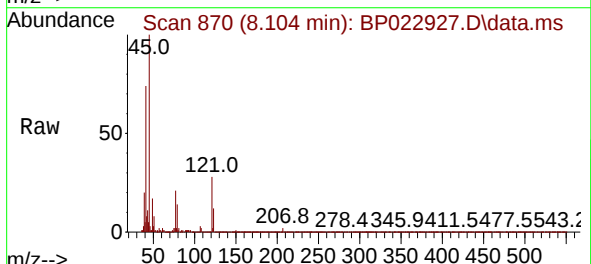
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

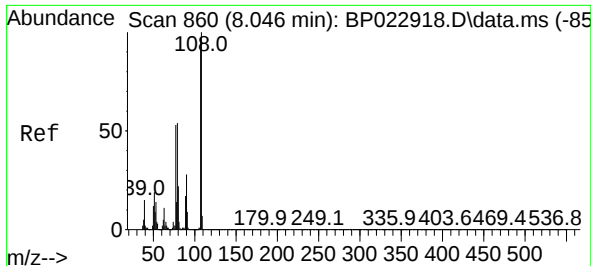
Tgt Ion: 79	Resp: 12664		
Ion Ratio	Lower	Upper	
79 100			
108 57.6	51.2	76.8	
77 61.8	51.3	76.9	



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.895 ng
RT: 8.104 min Scan# 870
Delta R.T. -0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion: 45	Resp: 16493
Ion Ratio	Lower Upper
45 100	
77 20.7	0.0 39.5
79 14.4	0.0 34.9

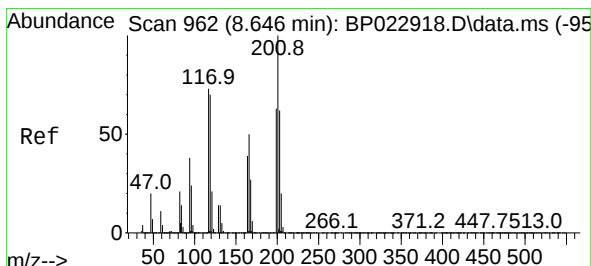
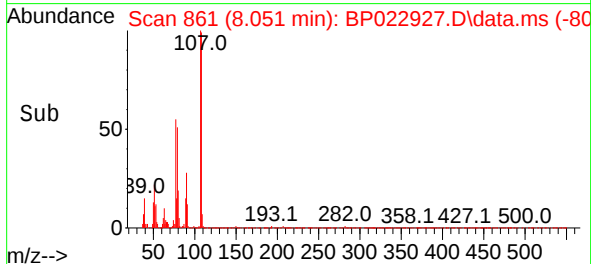
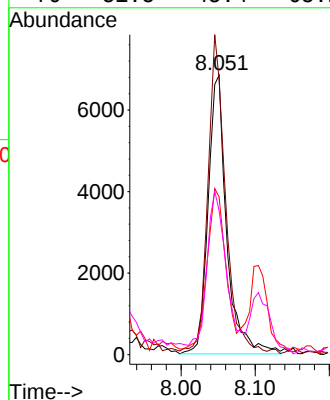
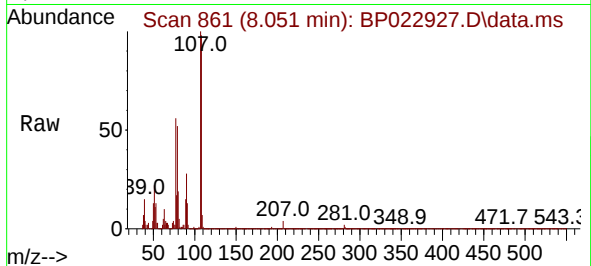




#17
2-Methylphenol
Concen: 4.279 ng
RT: 8.051 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

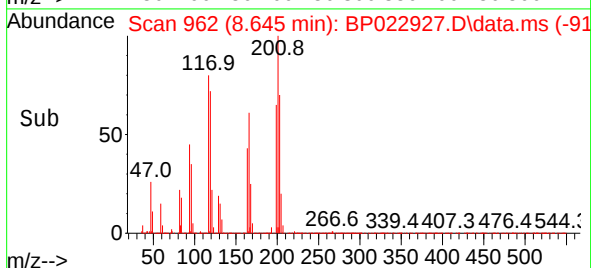
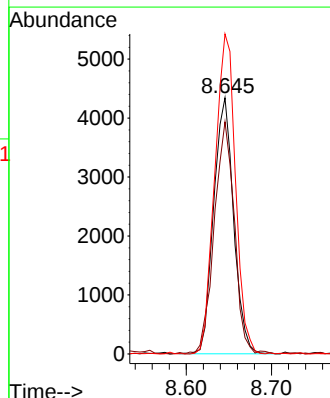
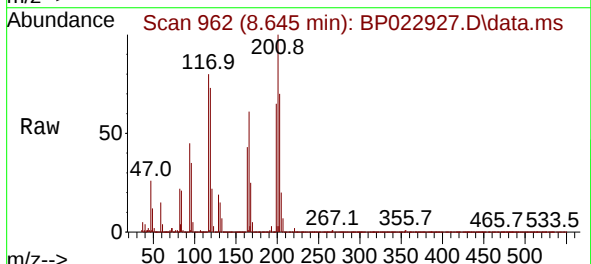
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

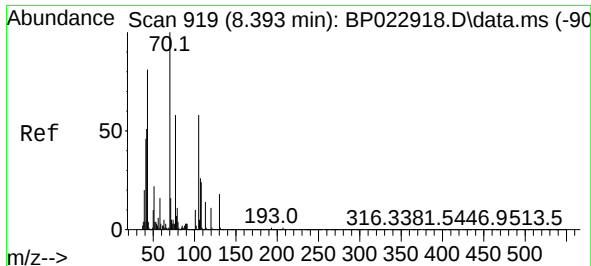
Tgt Ion:	107	Resp:	11940
Ion	Ratio	Lower	Upper
107	100		
108	98.5	83.7	125.5
77	56.5	45.0	67.4
79	51.5	45.4	68.2



#18
Hexachloroethane
Concen: 4.703 ng
RT: 8.645 min Scan# 962
Delta R.T. -0.000 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion:	117	Resp:	7074
Ion	Ratio	Lower	Upper
117	100		
119	90.6	76.7	115.1
201	124.9	110.0	165.0

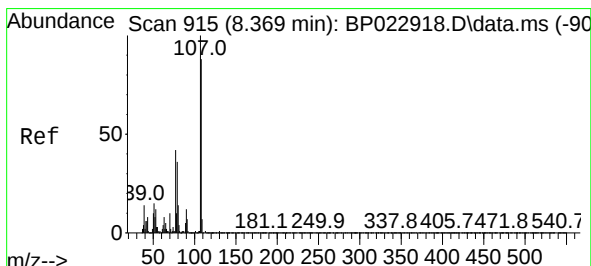
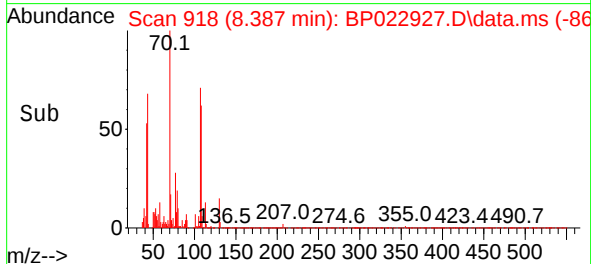
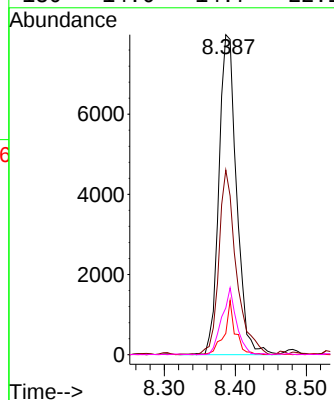
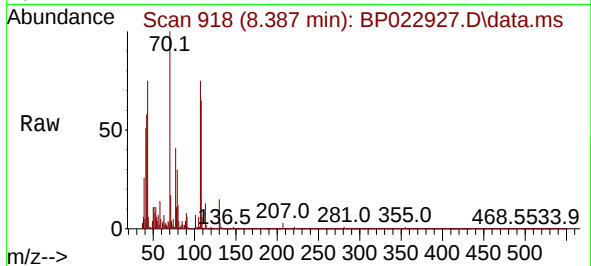




#19
n-Nitroso-di-n-propylamine
Concen: 4.832 ng
RT: 8.387 min Scan# 918
Delta R.T. -0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

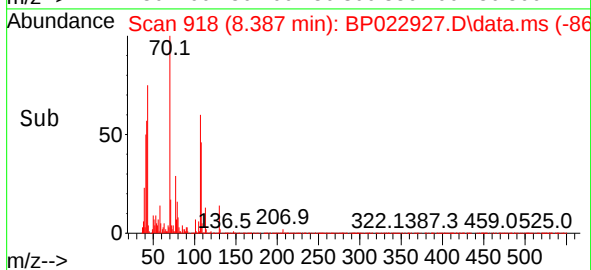
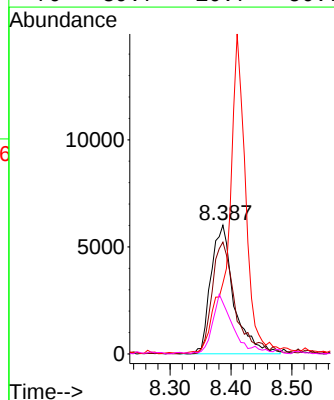
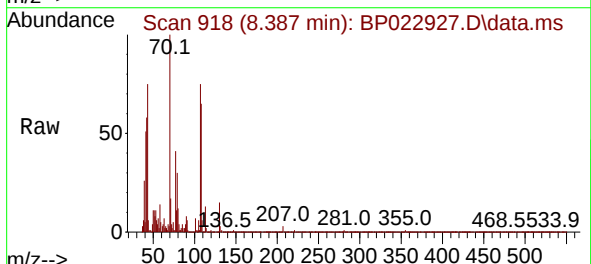
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

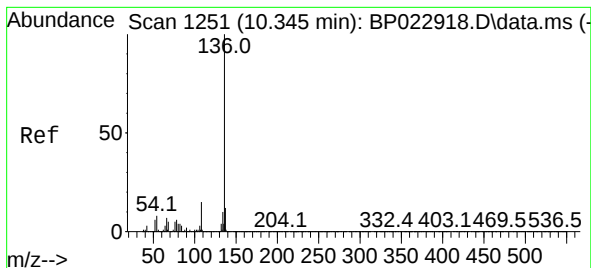
Tgt Ion:	70	Resp:	13728
Ion	Ratio	Lower	Upper
70	100		
42	57.7	41.0	61.6
101	6.7	7.8	11.6#
130	14.6	14.7	22.1#



#20
3+4-Methylphenols
Concen: 4.040 ng
RT: 8.387 min Scan# 918
Delta R.T. 0.018 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion:	107	Resp:	15756
Ion	Ratio	Lower	Upper
107	100		
108	86.9	67.6	107.6
77	55.0	22.6	62.6
79	39.7	16.7	56.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.345 min Scan# 1251

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:136 Resp: 210508

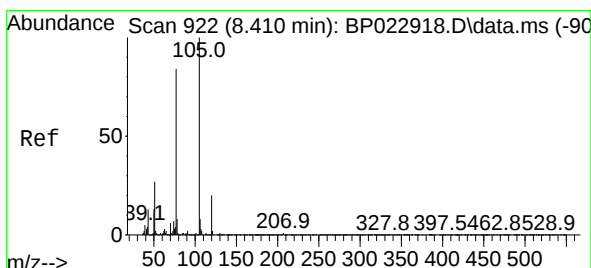
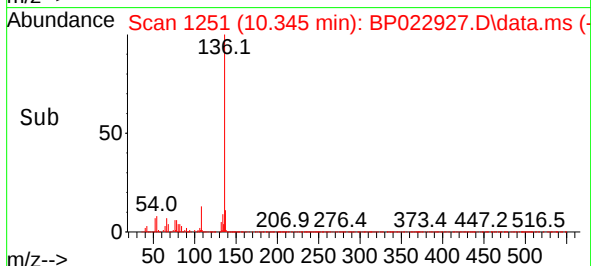
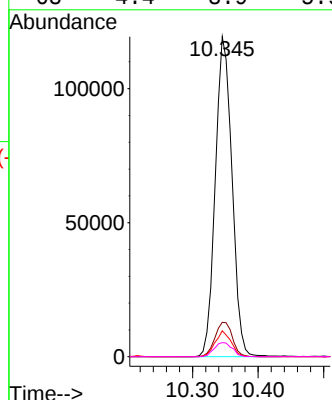
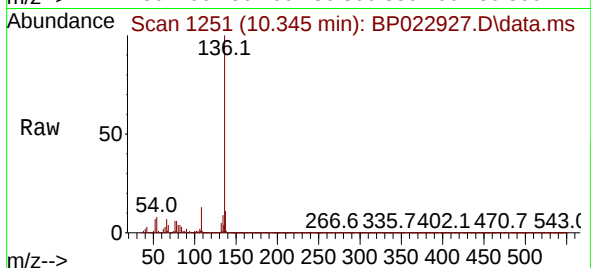
Ion Ratio Lower Upper

136 100

137 10.8 9.4 14.0

54 8.1 6.4 9.6

68 4.4 3.9 5.9



#22

Acetophenone

Concen: 4.719 ng

RT: 8.410 min Scan# 922

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Tgt Ion:105 Resp: 26443

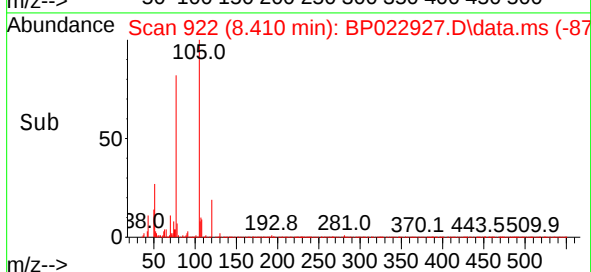
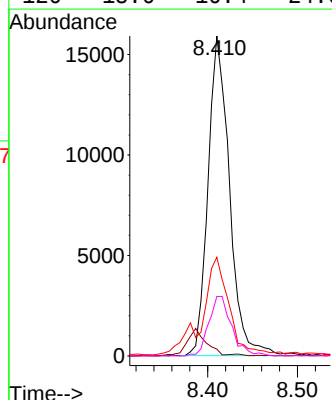
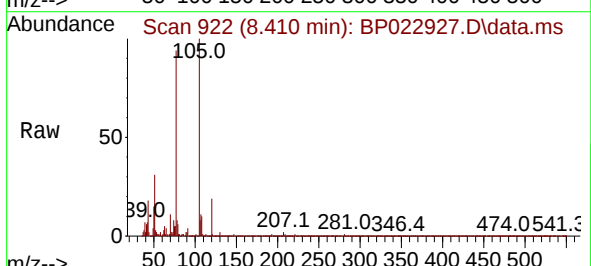
Ion Ratio Lower Upper

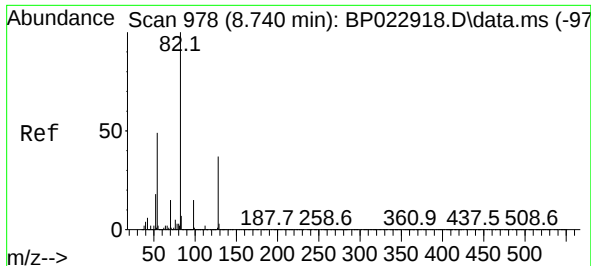
105 100

71 2.2 0.7 1.1#

51 30.9 21.7 32.5

120 18.6 16.4 24.6





#23

Nitrobenzene-d5

Concen: 83.123 ng

RT: 8.740 min Scan# 91

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

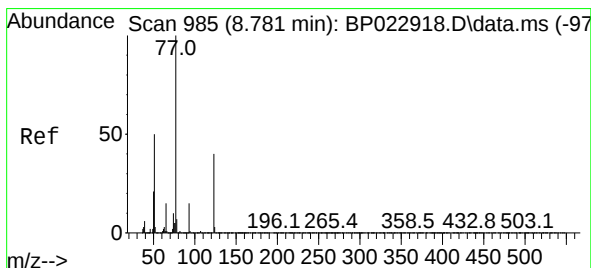
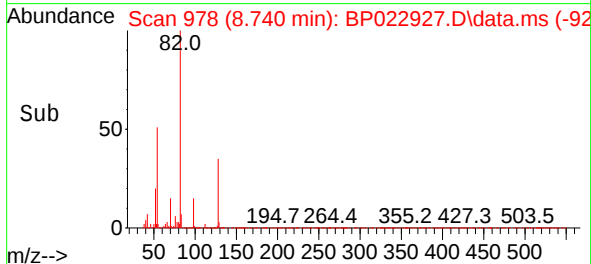
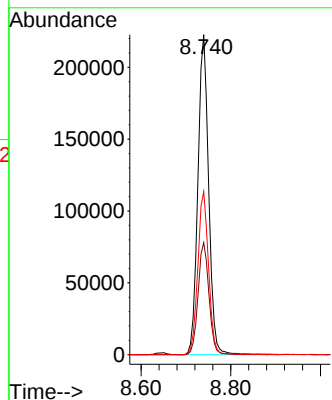
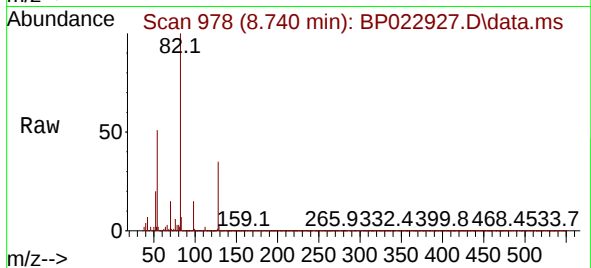
Tgt Ion: 82 Resp: 370379

Ion Ratio Lower Upper

82 100

128 35.0 29.8 44.8

54 51.0 39.0 58.4



#24

Nitrobenzene

Concen: 5.101 ng

RT: 8.781 min Scan# 985

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

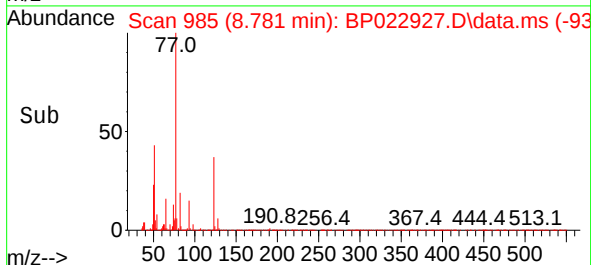
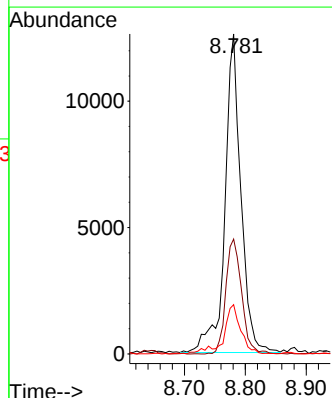
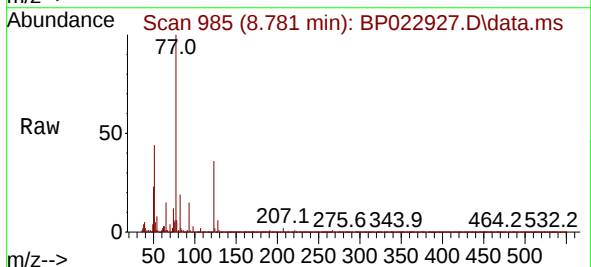
Tgt Ion: 77 Resp: 23086

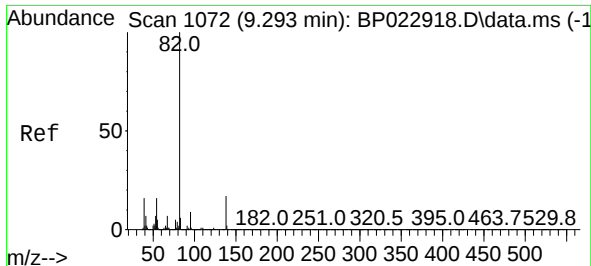
Ion Ratio Lower Upper

77 100

123 35.9 32.2 48.4

65 15.4 11.7 17.5

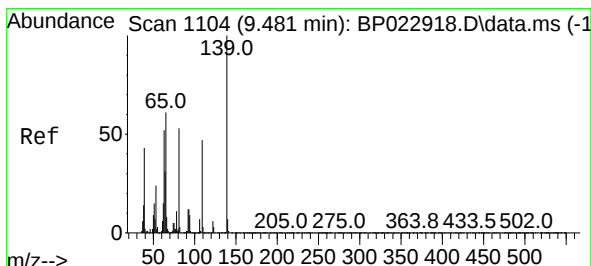
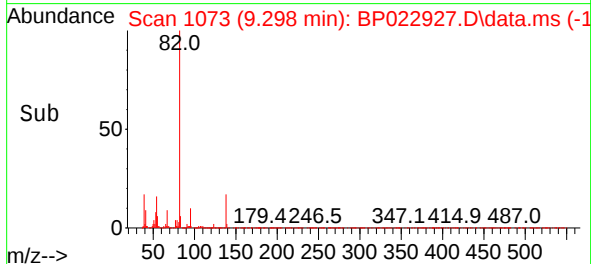
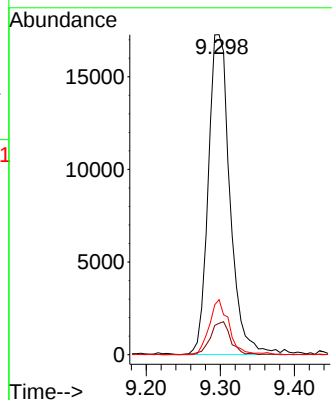
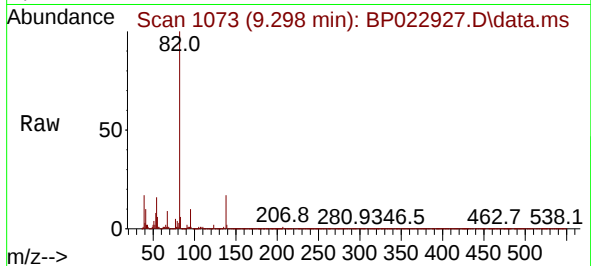




#25
Isophorone
Concen: 4.653 ng
RT: 9.298 min Scan# 1073
Delta R.T. 0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

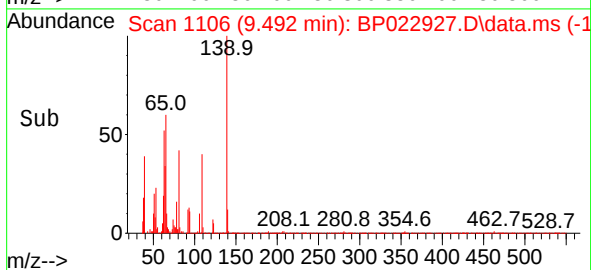
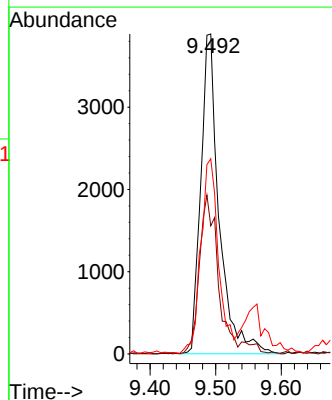
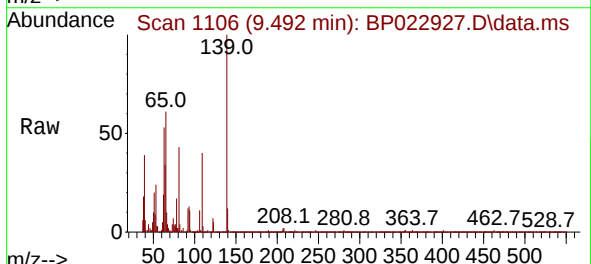
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

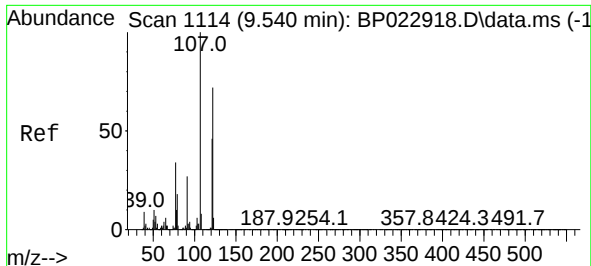
Tgt Ion: 82 Resp: 35088
Ion Ratio Lower Upper
82 100
95 9.8 7.4 11.2
138 17.2 13.7 20.5



#26
2-Nitrophenol
Concen: 4.083 ng
RT: 9.492 min Scan# 1106
Delta R.T. 0.012 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion: 139 Resp: 7588
Ion Ratio Lower Upper
139 100
109 40.1 37.8 56.8
65 61.0 48.6 73.0

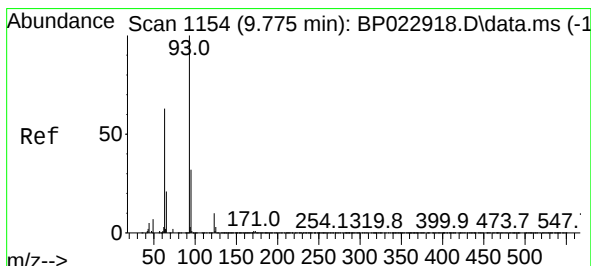
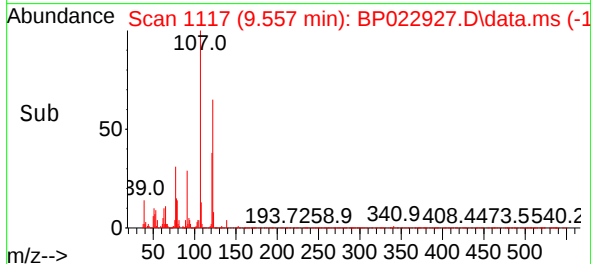
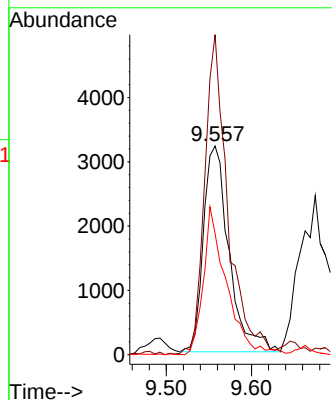
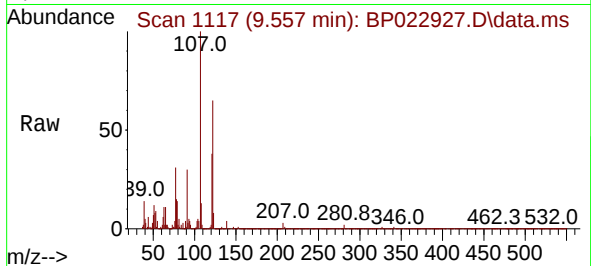




#27
2,4-Dimethylphenol
Concen: 3.153 ng
RT: 9.557 min Scan# 1117
Delta R.T. 0.018 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

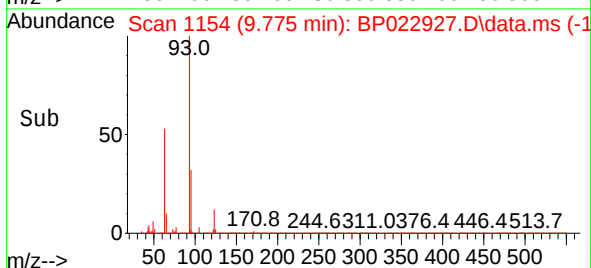
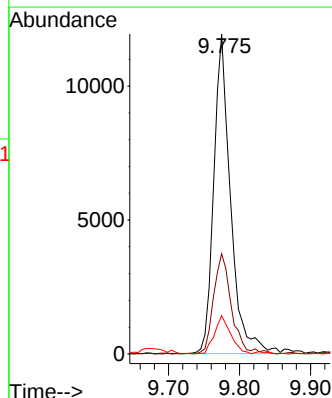
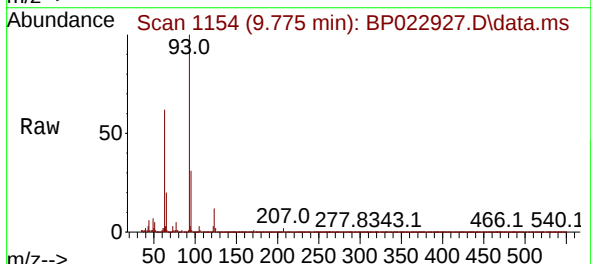
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

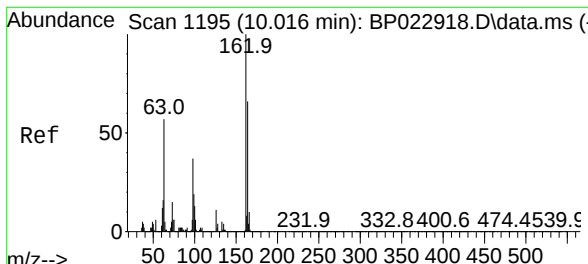
Tgt Ion:122 Resp: 6692
Ion Ratio Lower Upper
122 100
107 153.4 109.8 164.6
121 58.1 50.5 75.7



#28
bis(2-Chloroethoxy)methane
Concen: 4.580 ng
RT: 9.775 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion: 93 Resp: 19618
Ion Ratio Lower Upper
93 100
95 31.3 25.4 38.2
123 11.9 8.6 13.0

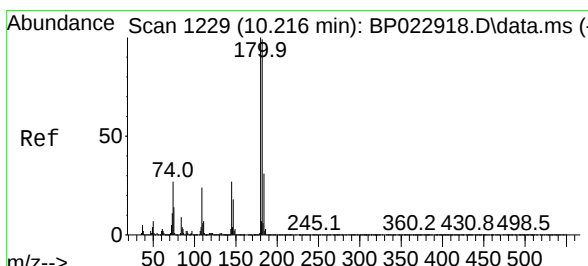
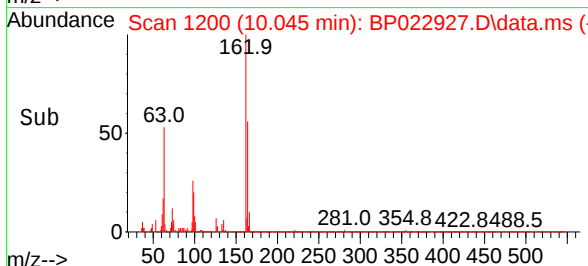
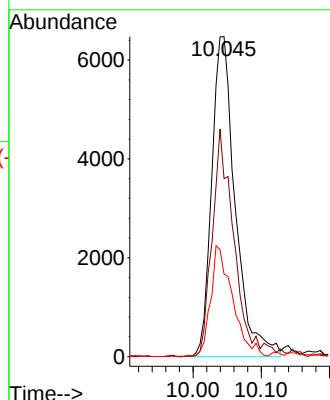
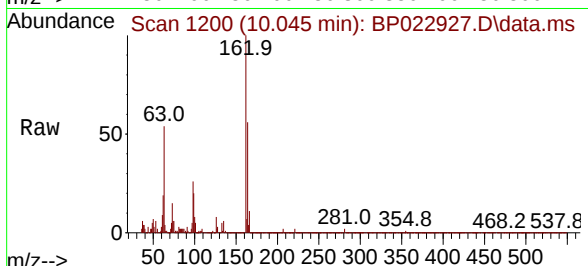




#29
2,4-Dichlorophenol
Concen: 4.242 ng
RT: 10.045 min Scan# 1195
Delta R.T. 0.029 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

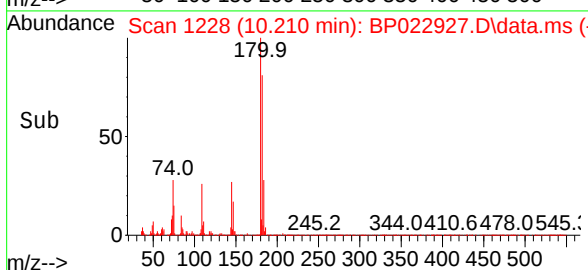
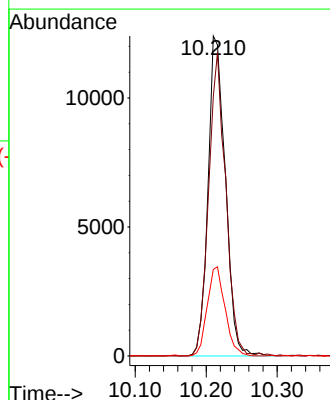
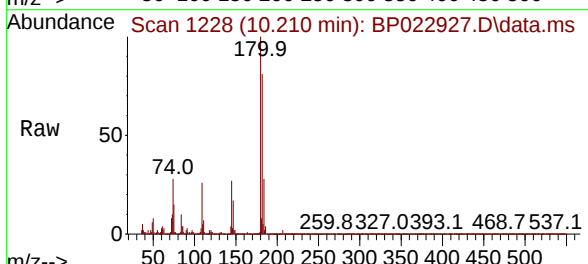
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

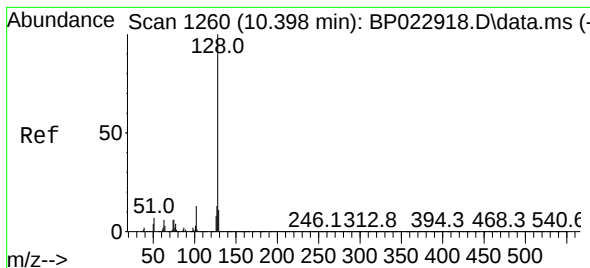
Tgt Ion:162 Resp: 15585
Ion Ratio Lower Upper
162 100
164 55.7 46.0 86.0
98 25.8 16.7 56.7



#30
1,2,4-Trichlorobenzene
Concen: 4.487 ng
RT: 10.210 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion:180 Resp: 21071
Ion Ratio Lower Upper
180 100
182 81.1 79.4 119.2
145 27.1 21.6 32.4





#31

Naphthalene

Concen: 4.437 ng

RT: 10.398 min Scan# 1137

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

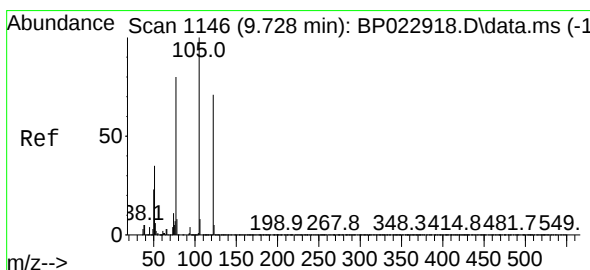
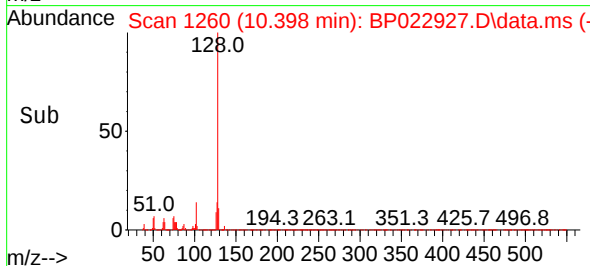
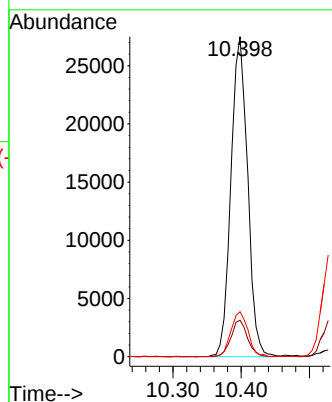
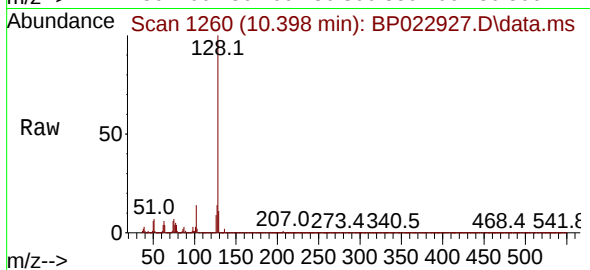
Tgt Ion:128 Resp: 46801

Ion Ratio Lower Upper

128 100

129 11.4 8.6 12.8

127 14.1 10.6 16.0



#32

Benzoic acid

Concen: 2.987 ng

RT: 9.675 min Scan# 1137

Delta R.T. -0.053 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

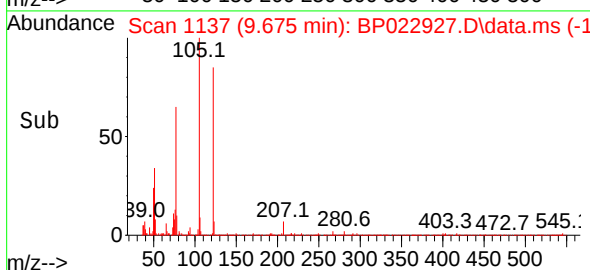
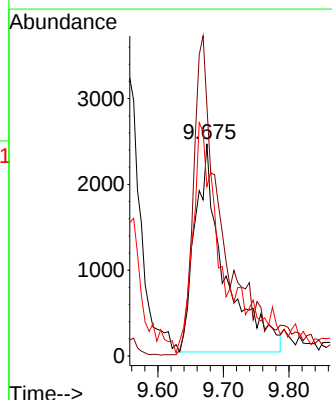
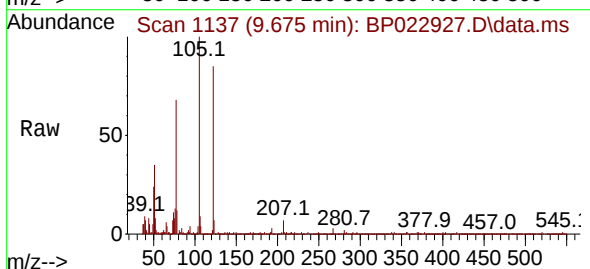
Tgt Ion:122 Resp: 7612

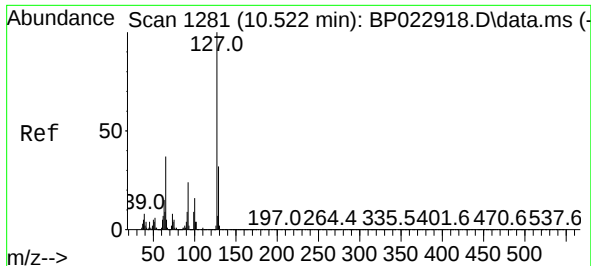
Ion Ratio Lower Upper

122 100

105 117.7 119.9 159.9#

77 79.9 92.2 132.2#





#33

4-Chloroaniline

Concen: 4.603 ng

RT: 10.534 min Scan# 1281

Delta R.T. 0.012 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 17280

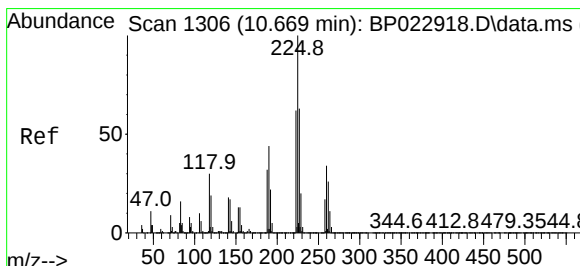
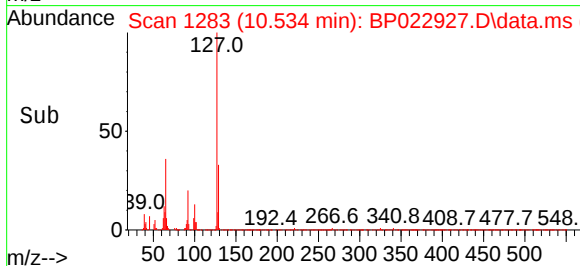
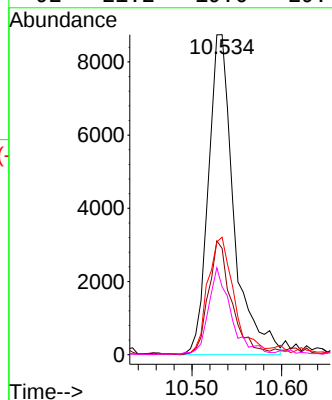
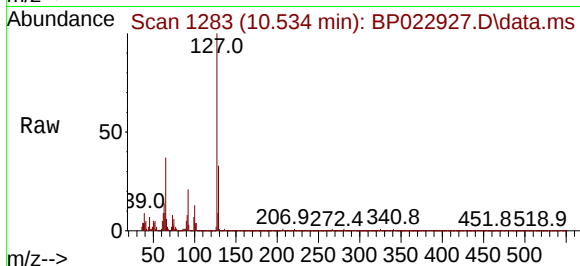
Ion Ratio Lower Upper

127 100

129 33.2 25.2 37.8

65 36.7 29.7 44.5

92 21.2 19.6 29.4



#34

Hexachlorobutadiene

Concen: 4.445 ng

RT: 10.669 min Scan# 1306

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

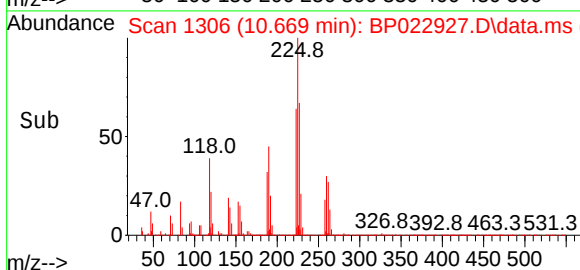
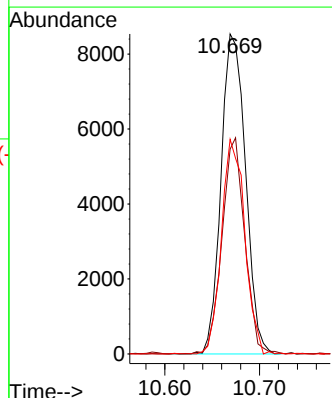
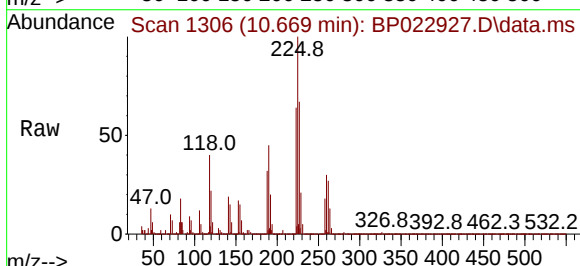
Tgt Ion:225 Resp: 15312

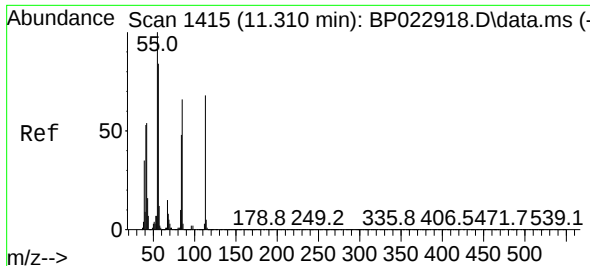
Ion Ratio Lower Upper

225 100

223 68.3 49.8 74.6

227 67.0 50.5 75.7

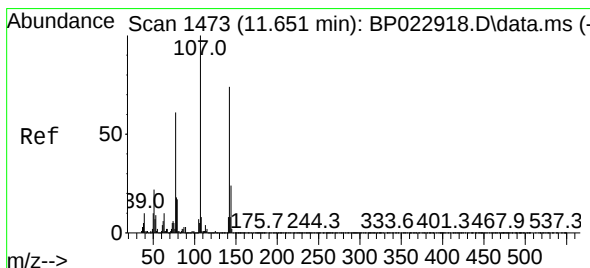
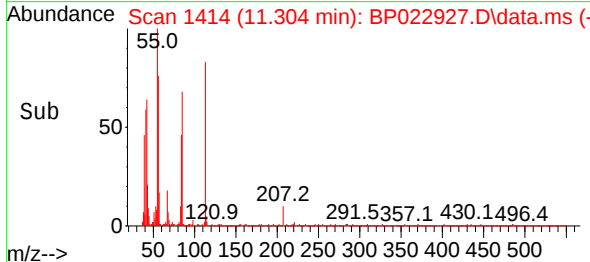
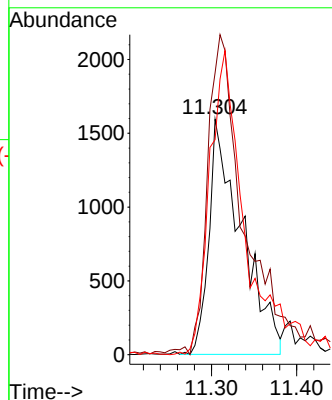
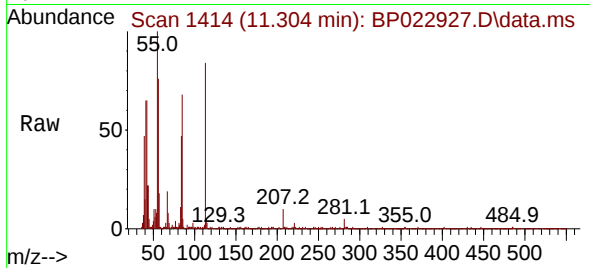




#35
Caprolactam
Concen: 3.839 ng
RT: 11.304 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

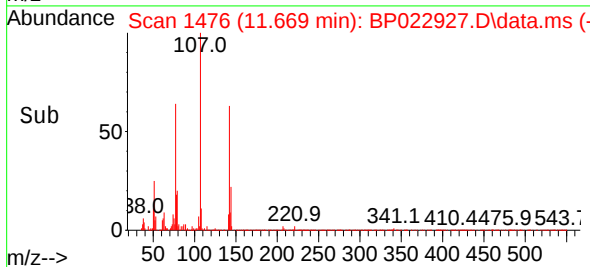
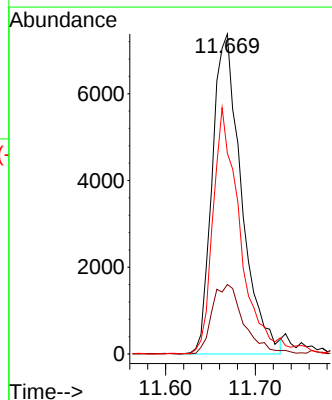
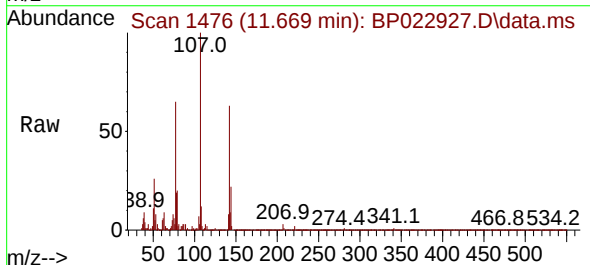
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

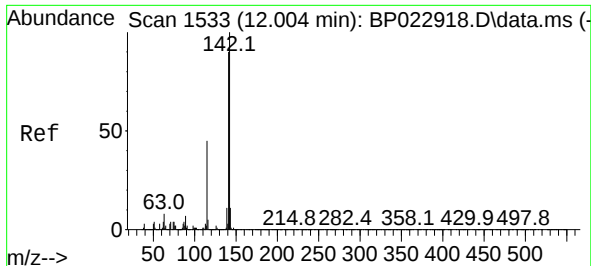
Tgt Ion:113 Resp: 4222
Ion Ratio Lower Upper
113 100
55 119.7 127.4 167.4#
56 91.3 103.5 143.5#



#36
4-Chloro-3-methylphenol
Concen: 4.055 ng
RT: 11.669 min Scan# 1476
Delta R.T. 0.018 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion:107 Resp: 16610
Ion Ratio Lower Upper
107 100
144 21.7 19.4 29.0
142 62.7 59.5 89.3

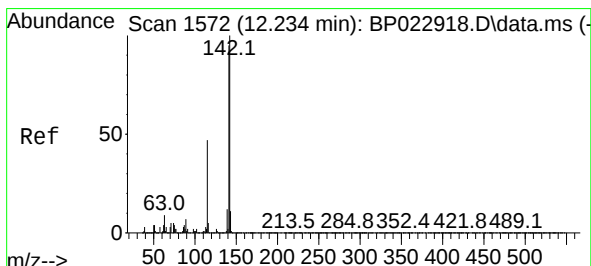
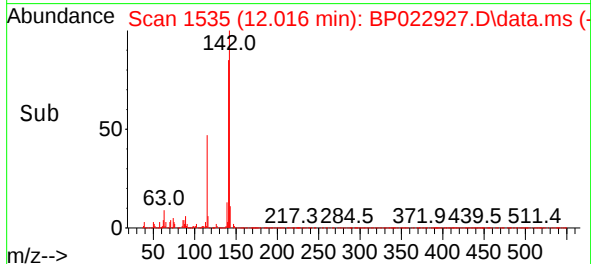
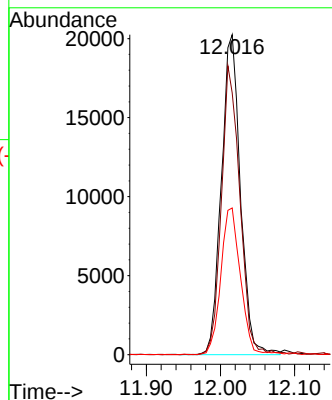
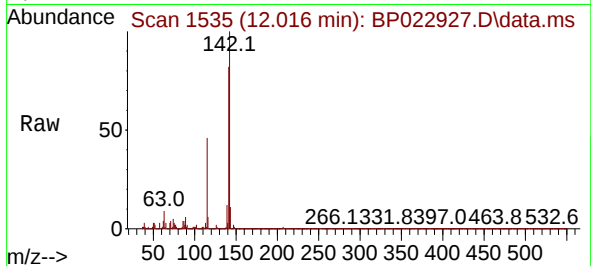




#37
2-Methylnaphthalene
Concen: 4.579 ng
RT: 12.016 min Scan# 1535
Delta R.T. 0.012 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

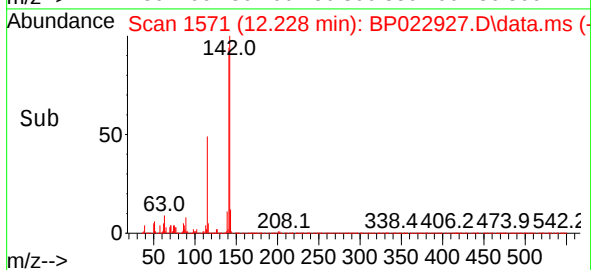
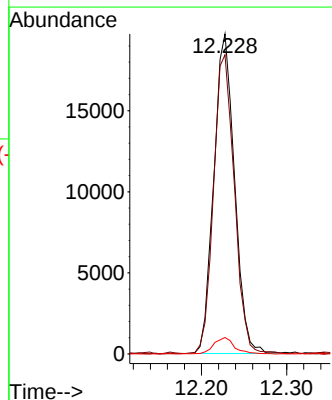
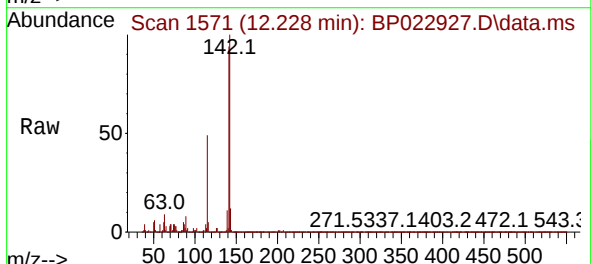
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

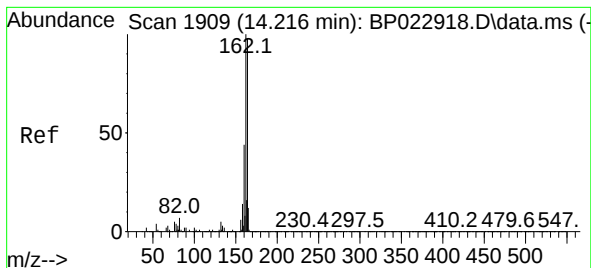
Tgt Ion:142 Resp: 36173
Ion Ratio Lower Upper
142 100
141 81.8 72.2 108.4
115 45.9 35.9 53.9



#38
1-Methylnaphthalene
Concen: 4.252 ng
RT: 12.228 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion:142 Resp: 33340
Ion Ratio Lower Upper
142 100
141 93.5 75.8 113.8
116 5.2 3.8 5.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.222 min Scan# 1909

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

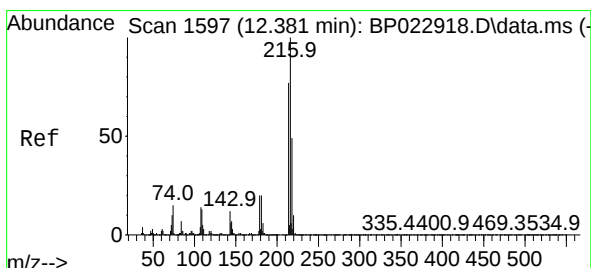
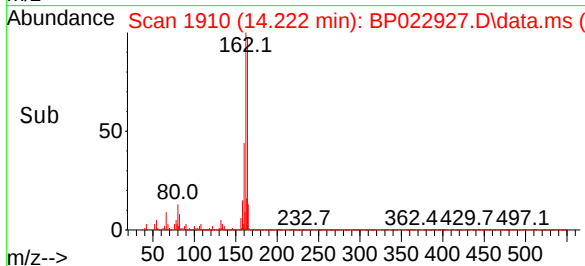
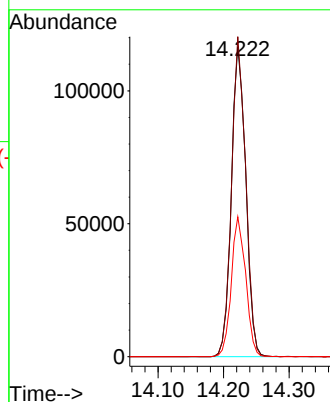
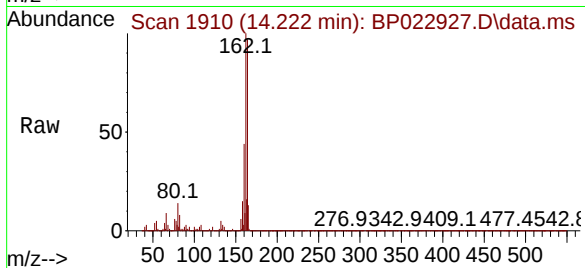
Tgt Ion:164 Resp: 178269

Ion Ratio Lower Upper

164 100

162 103.2 81.8 122.8

160 45.1 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.499 ng

RT: 12.392 min Scan# 1599

Delta R.T. 0.012 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Tgt Ion:216 Resp: 27150

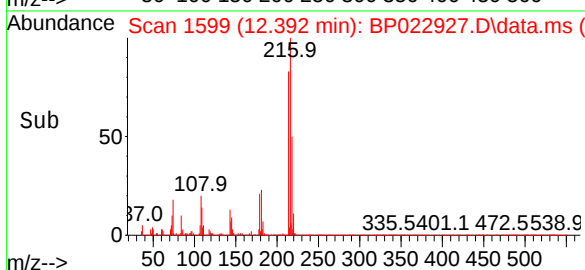
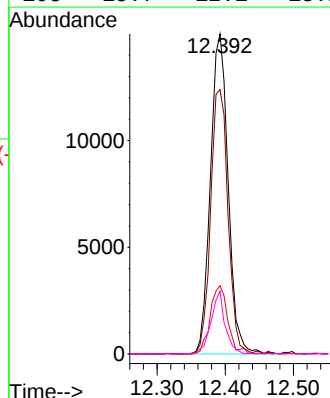
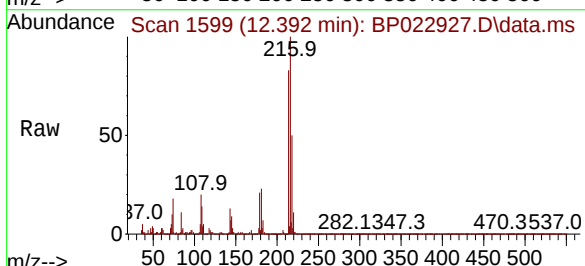
Ion Ratio Lower Upper

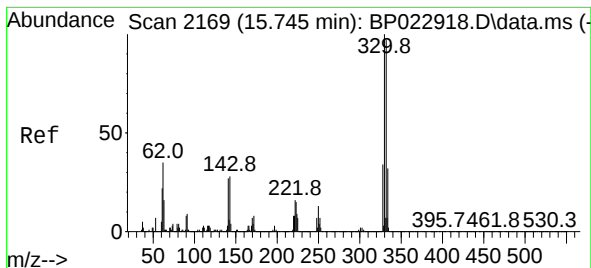
216 100

214 81.1 62.5 93.7

179 21.1 16.5 24.7

108 15.7 12.1 18.1





#42

2,4,6-Tribromophenol

Concen: 125.372 ng

RT: 15.733 min Scan# 2169

Delta R.T. -0.012 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

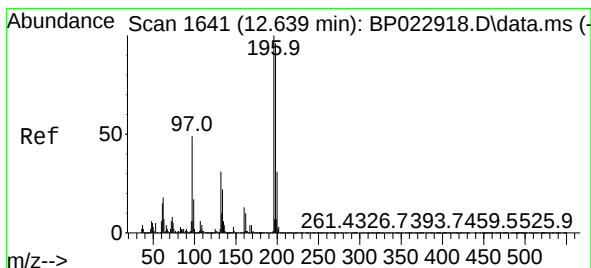
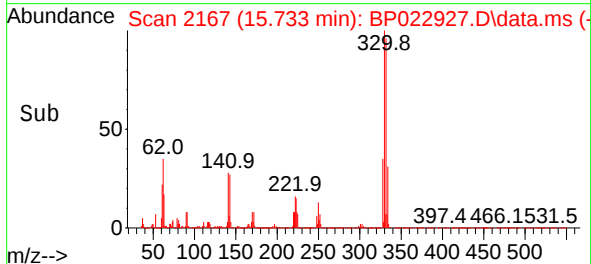
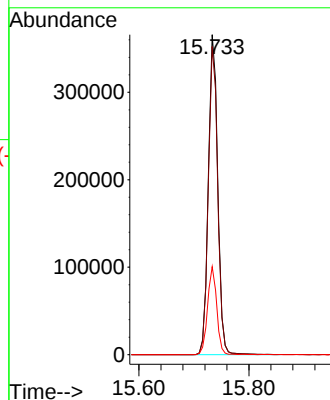
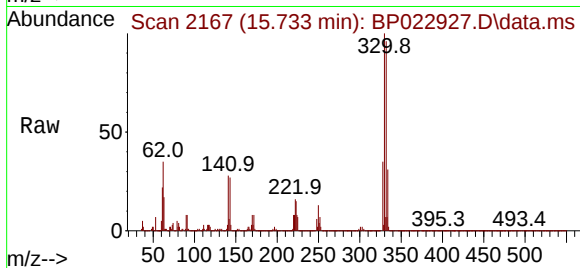
Tgt Ion:330 Resp: 433213

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

141 26.9 21.6 32.4



#43

2,4,6-Trichlorophenol

Concen: 4.117 ng

RT: 12.645 min Scan# 1642

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

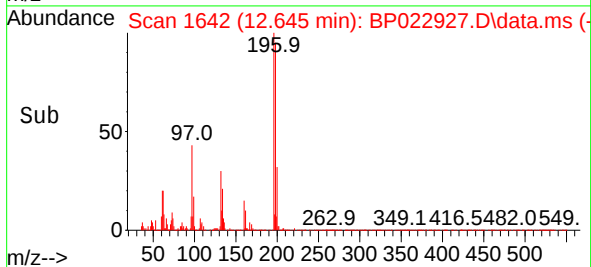
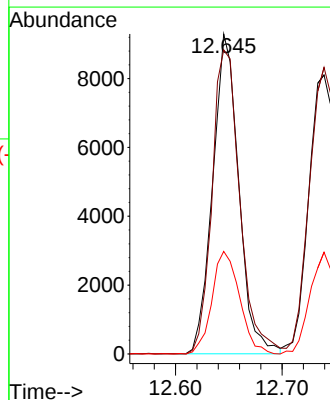
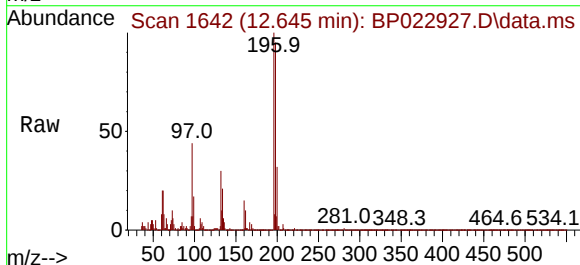
Tgt Ion:196 Resp: 15803

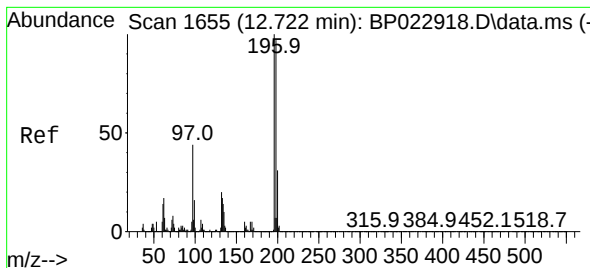
Ion Ratio Lower Upper

196 100

198 95.0 76.5 114.7

200 32.1 24.6 36.8





#44

2,4,5-Trichlorophenol

Concen: 3.712 ng

RT: 12.739 min Scan# 1655

Delta R.T. 0.018 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:196 Resp: 16218

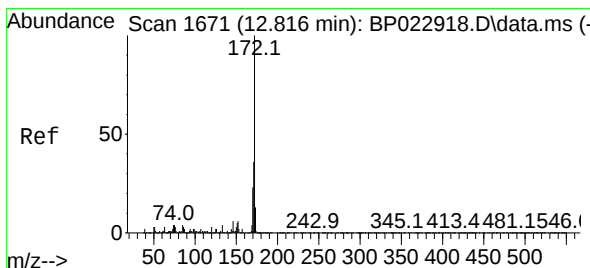
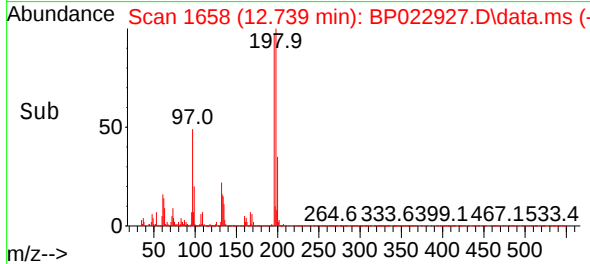
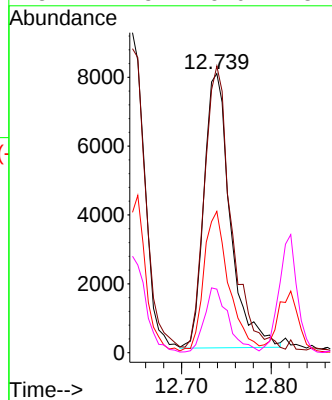
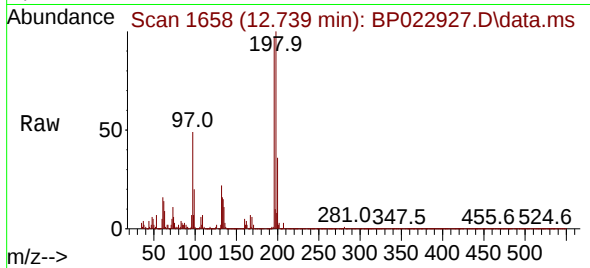
Ion Ratio Lower Upper

196 100

198 102.7 77.8 116.8

97 50.6 35.2 52.8

132 22.8 15.9 23.9



#45

2-Fluorobiphenyl

Concen: 81.246 ng

RT: 12.822 min Scan# 1672

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

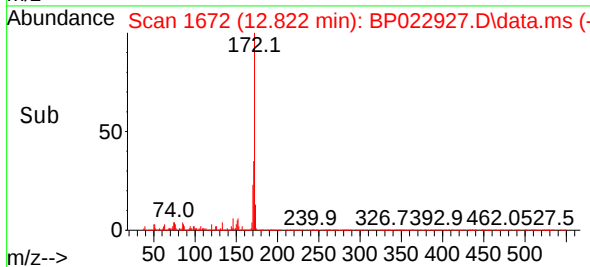
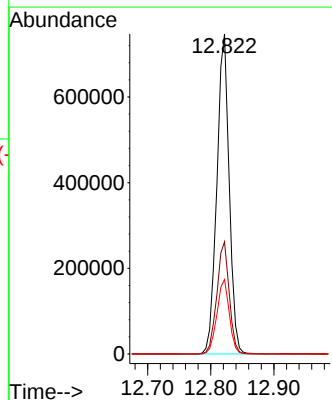
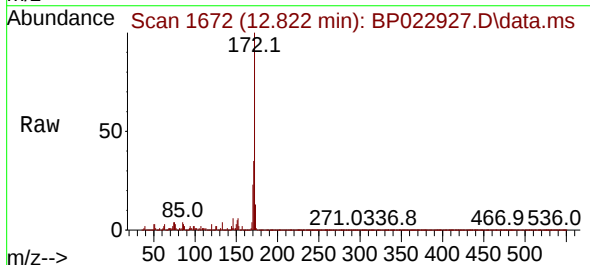
Tgt Ion:172 Resp: 1013656

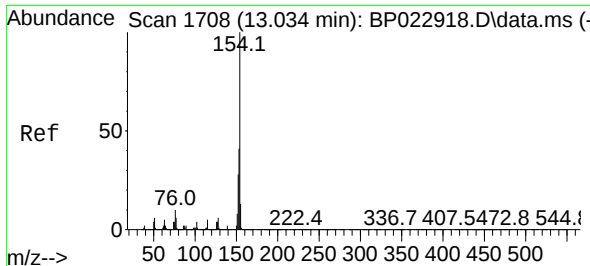
Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 23.3 18.6 27.8

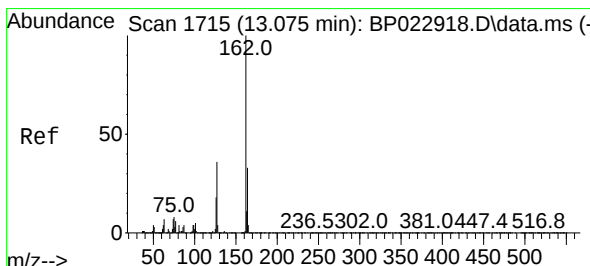
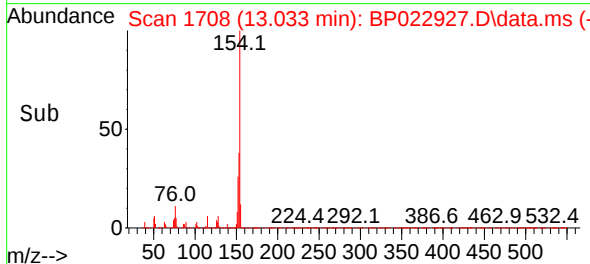
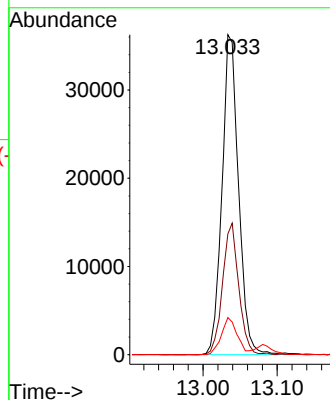
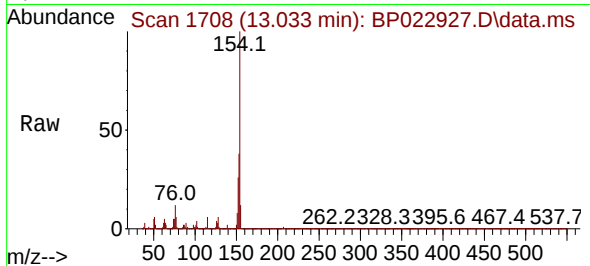




#46
1,1'-Biphenyl
Concen: 4.738 ng
RT: 13.033 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

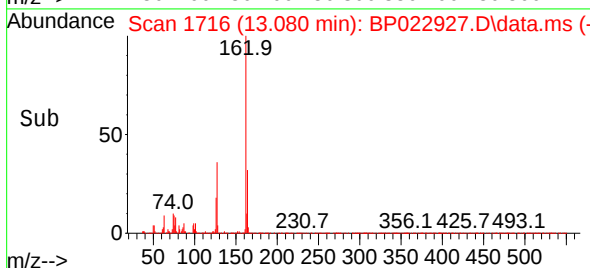
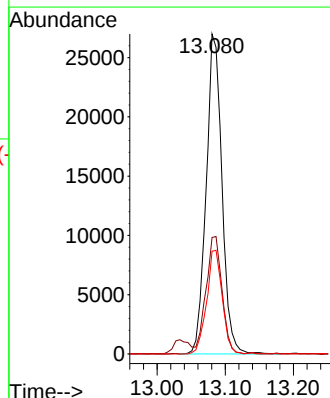
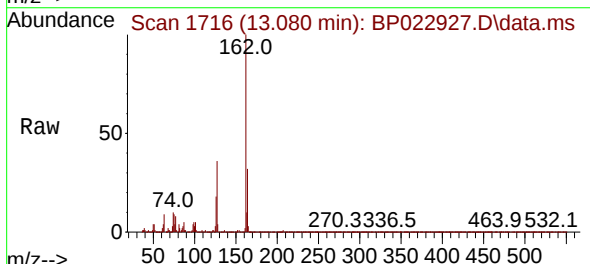
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

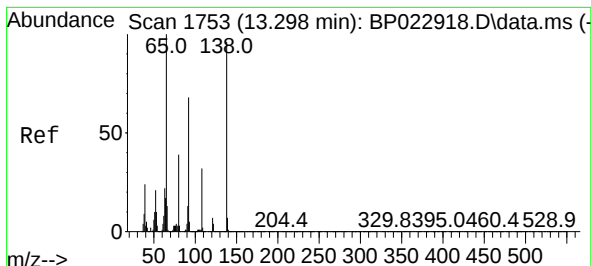
Tgt Ion:154 Resp: 56143
Ion Ratio Lower Upper
154 100
153 37.8 20.6 60.6
76 11.6 0.0 30.5



#47
2-Chloronaphthalene
Concen: 4.428 ng
RT: 13.080 min Scan# 1716
Delta R.T. 0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion:162 Resp: 43544
Ion Ratio Lower Upper
162 100
127 36.4 28.6 43.0
164 32.1 26.4 39.6





#48

2-Nitroaniline

Concen: 4.090 ng

RT: 13.304 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

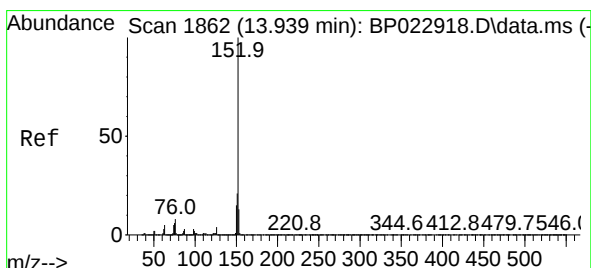
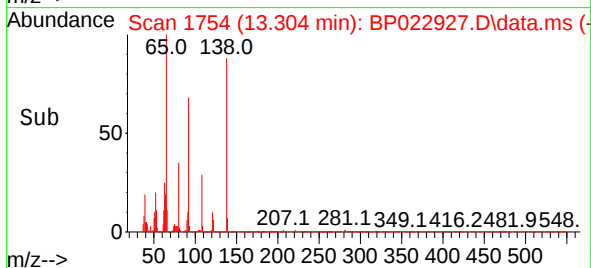
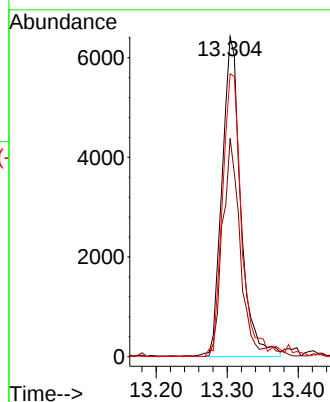
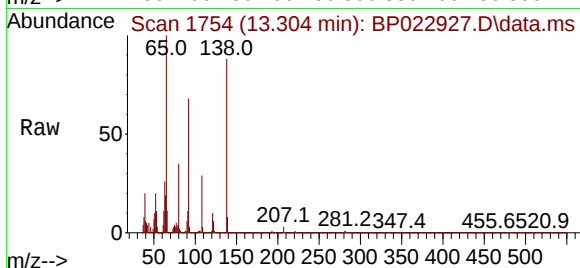
Tgt Ion: 65 Resp: 11718

Ion Ratio Lower Upper

65 100

92 68.2 54.4 81.6

138 88.4 76.5 114.7



#49

Acenaphthylene

Concen: 4.724 ng

RT: 13.939 min Scan# 1862

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

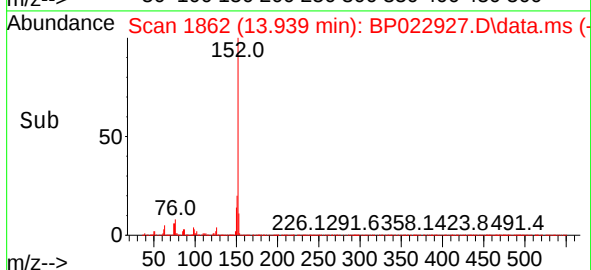
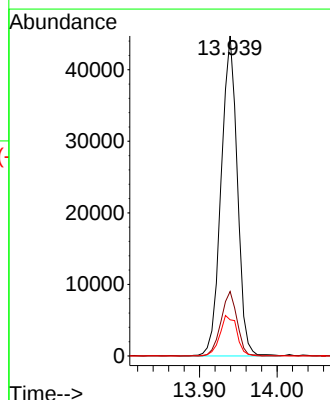
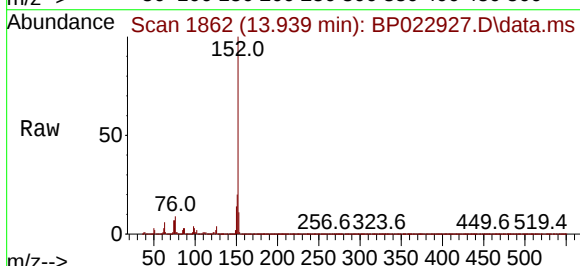
Tgt Ion:152 Resp: 64876

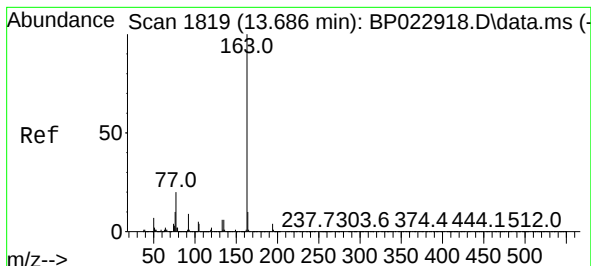
Ion Ratio Lower Upper

152 100

151 20.2 16.8 25.2

153 11.3 10.8 16.2





#50

Dimethylphthalate

Concen: 4.530 ng

RT: 13.669 min Scan# 1816

Delta R.T. -0.018 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

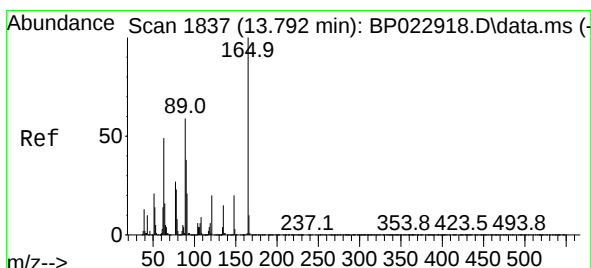
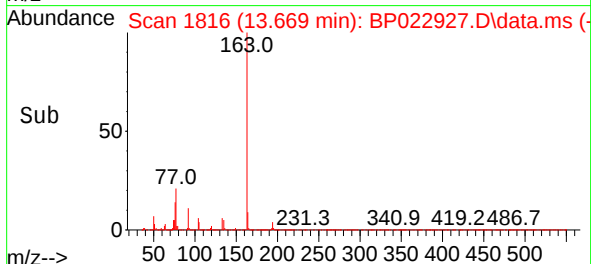
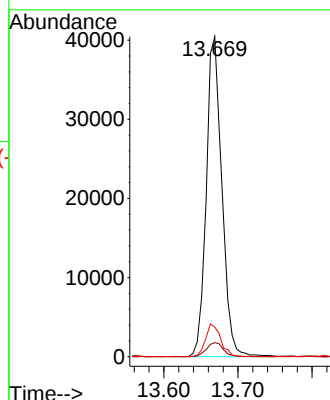
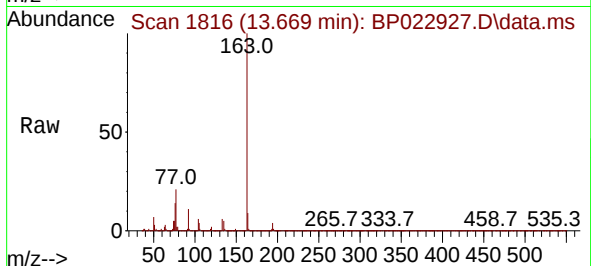
Tgt Ion:163 Resp: 59132

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 9.3 8.0 12.0



#51

2,6-Dinitrotoluene

Concen: 3.924 ng

RT: 13.810 min Scan# 1840

Delta R.T. 0.018 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

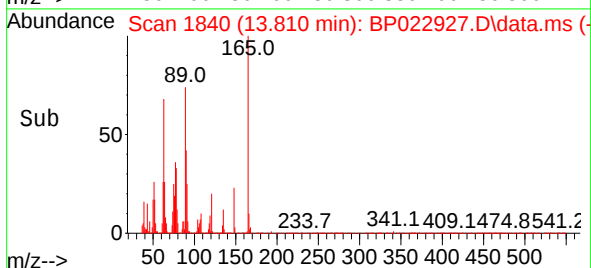
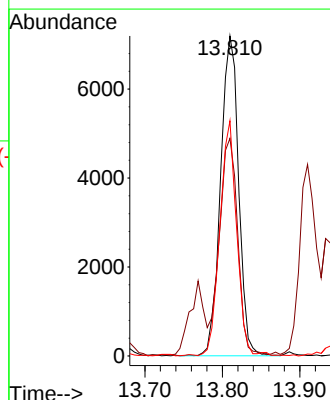
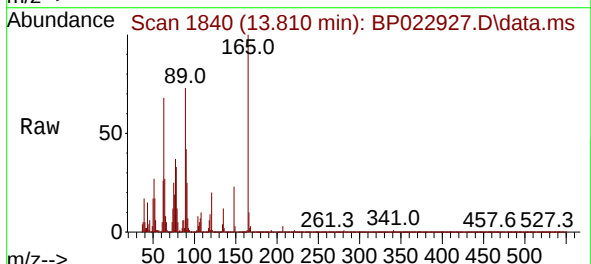
Tgt Ion:165 Resp: 11647

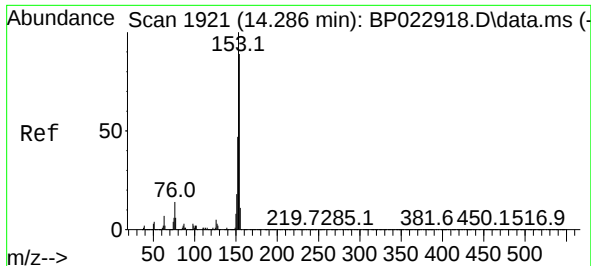
Ion Ratio Lower Upper

165 100

63 68.0 45.1 67.7#

89 73.5 46.9 70.3#

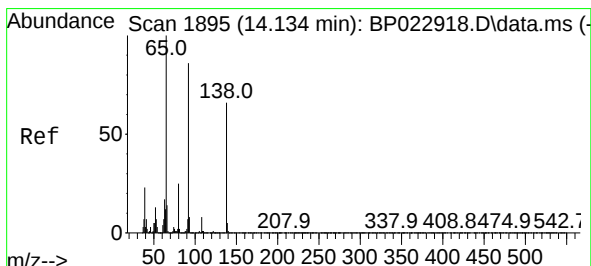
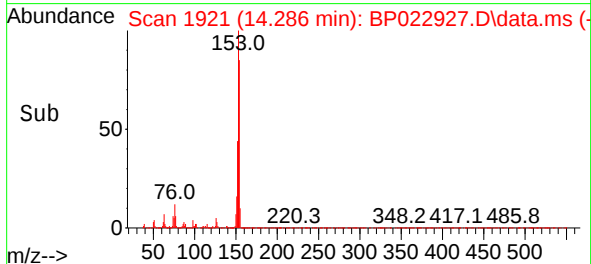
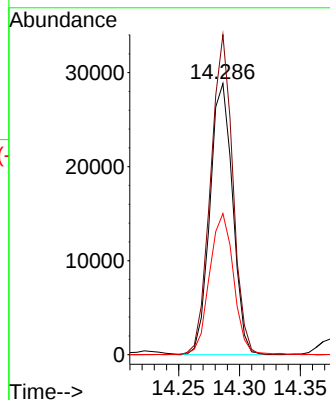
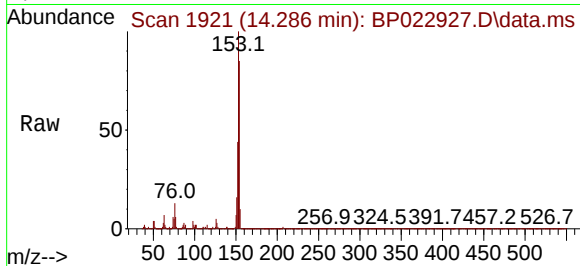




#52
Acenaphthene
Concen: 4.235 ng
RT: 14.286 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

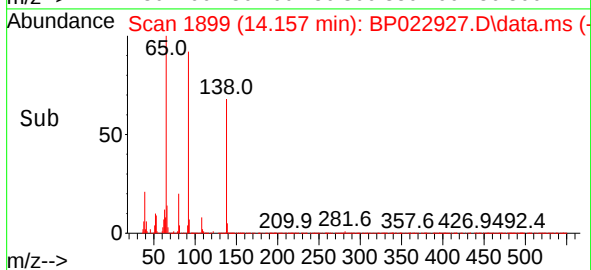
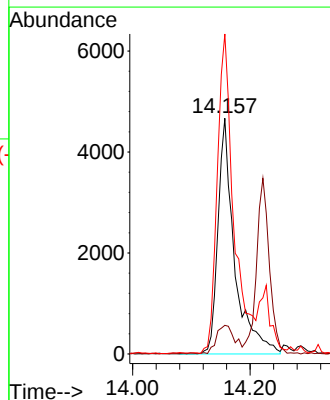
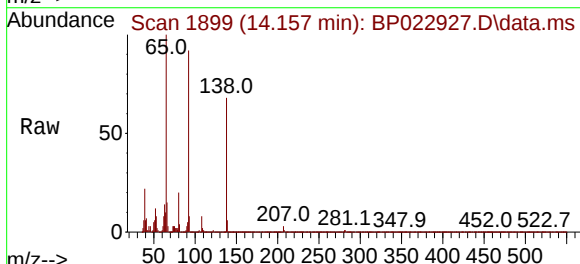
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

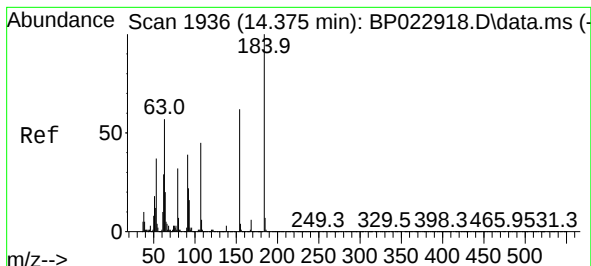
Tgt Ion:154 Resp: 37405
Ion Ratio Lower Upper
154 100
153 118.0 89.9 134.9
152 52.0 42.1 63.1



#53
3-Nitroaniline
Concen: 3.796 ng
RT: 14.157 min Scan# 1899
Delta R.T. 0.023 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion:138 Resp: 9153
Ion Ratio Lower Upper
138 100
108 12.2 10.2 15.2
92 135.7 104.2 156.2





#54

2,4-Dinitrophenol

Concen: 3.073 ng

RT: 14.375 min Scan# 1936

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

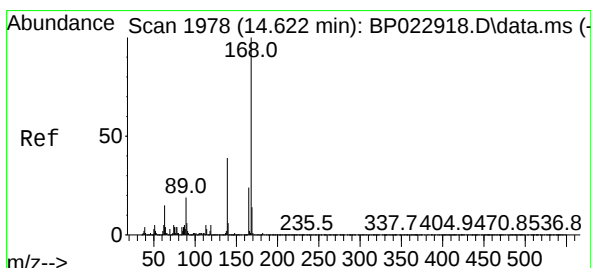
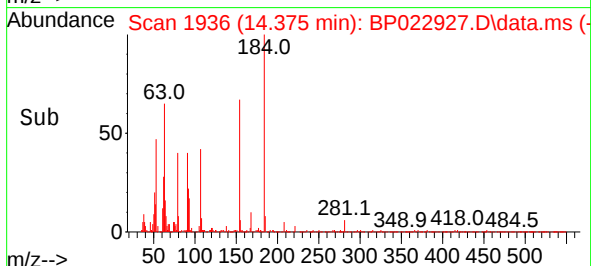
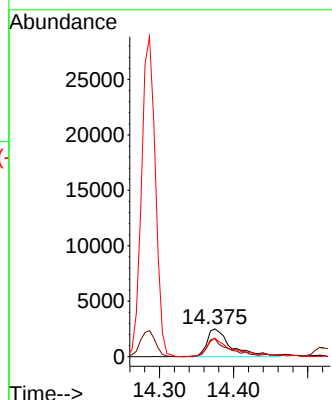
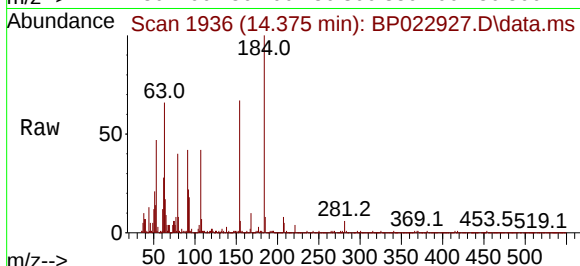
Tgt Ion:184 Resp: 5659

Ion Ratio Lower Upper

184 100

63 65.6 46.3 69.5

154 66.5 56.6 85.0



#55

Dibenzofuran

Concen: 4.624 ng

RT: 14.627 min Scan# 1979

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

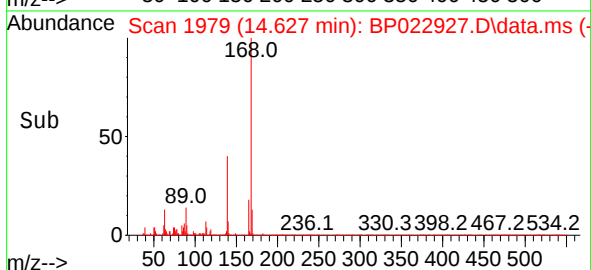
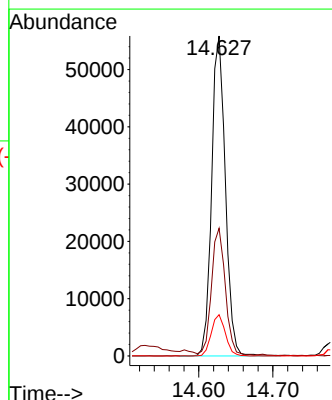
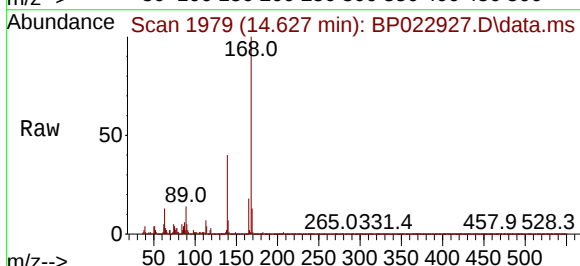
Tgt Ion:168 Resp: 71721

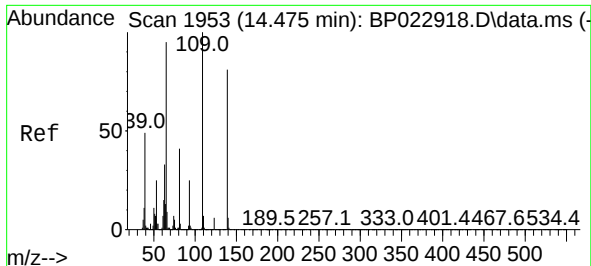
Ion Ratio Lower Upper

168 100

139 39.9 31.1 46.7

169 12.9 11.0 16.6





#56

4-Nitrophenol

Concen: 2.733 ng

RT: 14.527 min Scan# 1962

Delta R.T. 0.053 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

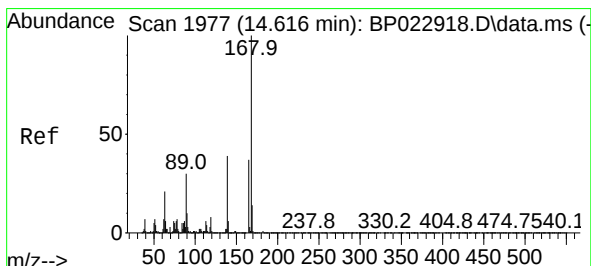
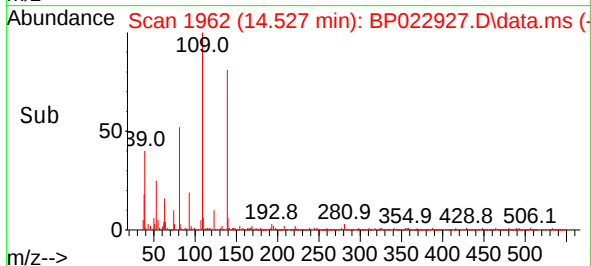
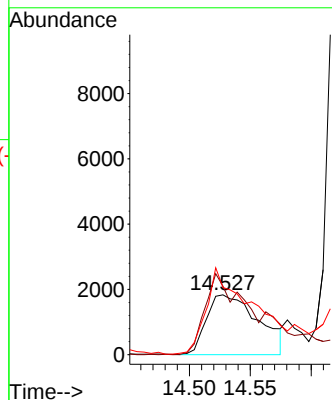
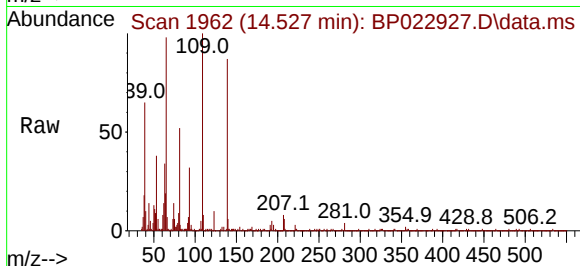
Tgt Ion:139 Resp: 5420

Ion Ratio Lower Upper

139 100

109 114.8 103.1 143.1

65 112.4 96.9 136.9



#57

2,4-Dinitrotoluene

Concen: 3.655 ng

RT: 14.622 min Scan# 1978

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Tgt Ion:165 Resp: 15683

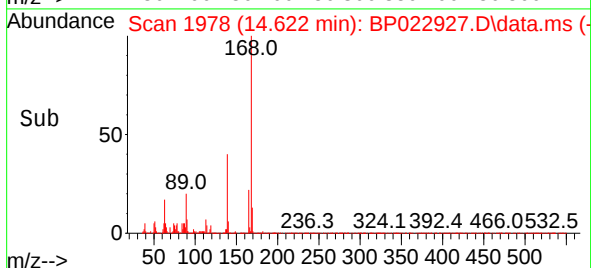
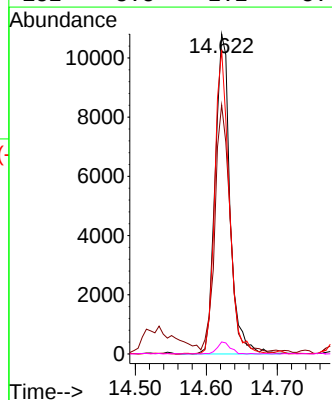
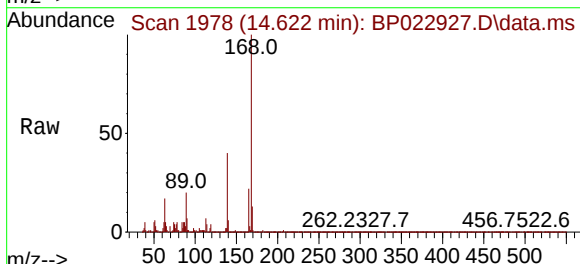
Ion Ratio Lower Upper

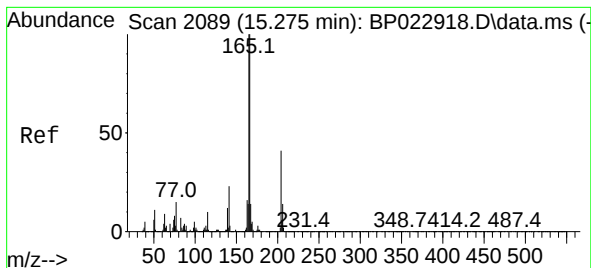
165 100

63 77.8 46.5 69.7#

89 95.1 64.0 96.0

182 3.8 2.2 3.4#





#58

Fluorene

Concen: 4.455 ng

RT: 15.292 min Scan# 20

Delta R.T. 0.018 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

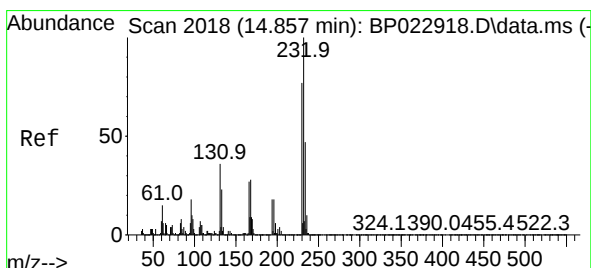
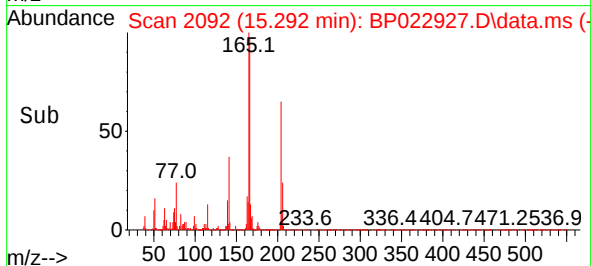
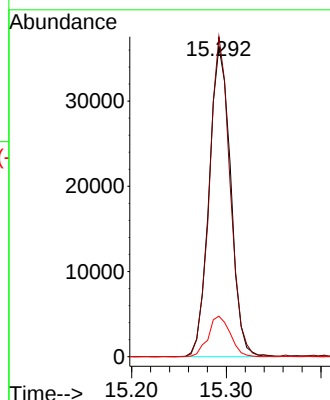
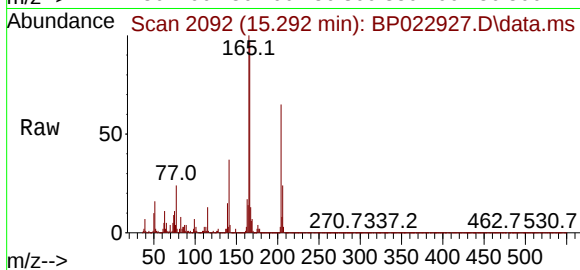
Tgt Ion:166 Resp: 57402

Ion Ratio Lower Upper

166 100

165 103.1 80.1 120.1

167 13.0 11.1 16.7



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.512 ng

RT: 14.874 min Scan# 2021

Delta R.T. 0.018 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Tgt Ion:232 Resp: 19015

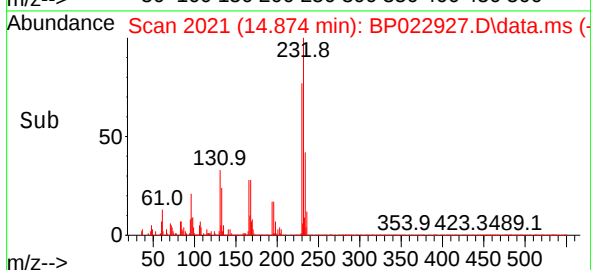
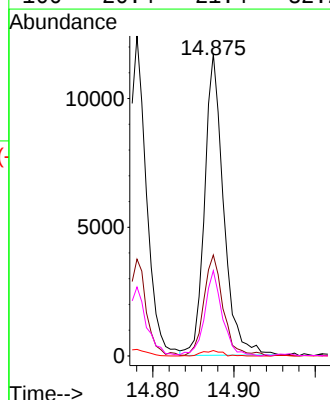
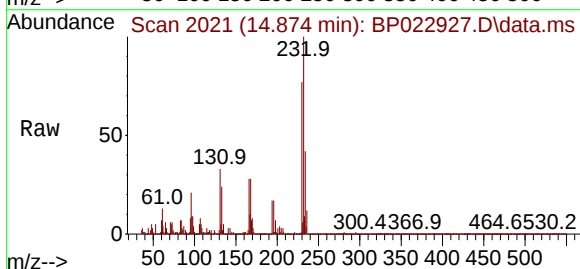
Ion Ratio Lower Upper

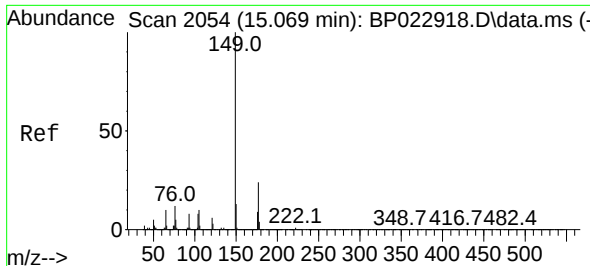
232 100

131 34.0 28.2 42.2

130 1.9 1.7 2.5

166 26.4 21.4 32.2

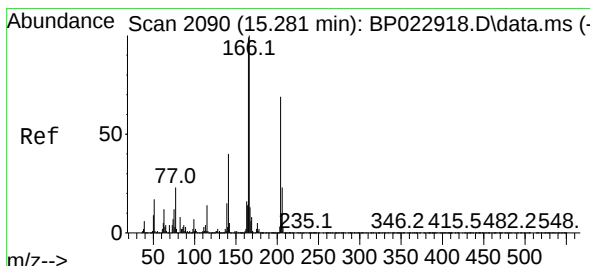
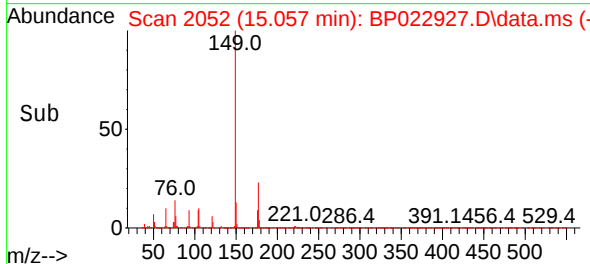
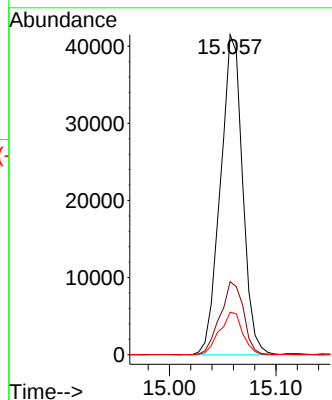
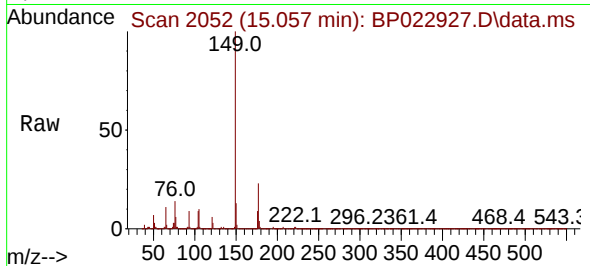




#60
Diethylphthalate
Concen: 4.602 ng
RT: 15.057 min Scan# 2052
Delta R.T. -0.012 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

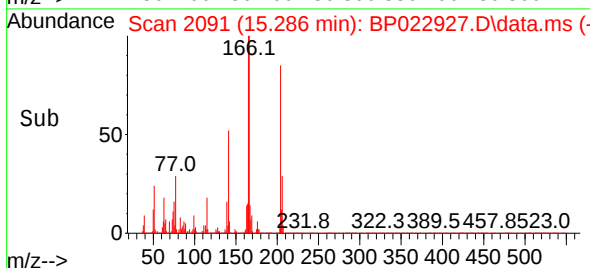
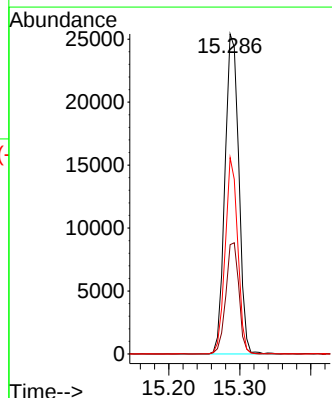
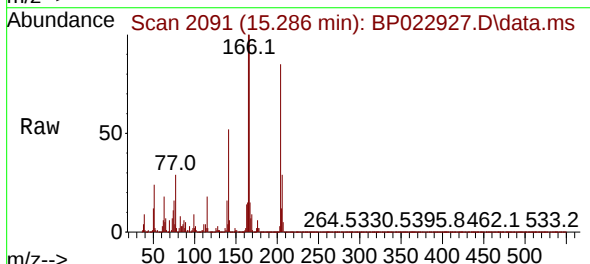
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

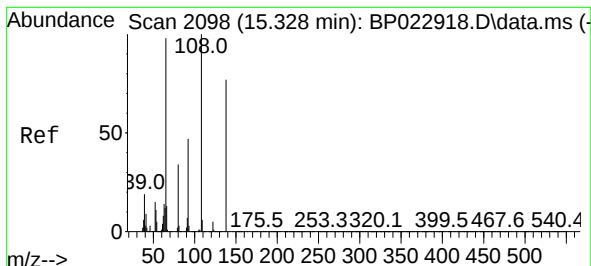
Tgt Ion:149 Resp: 59734
Ion Ratio Lower Upper
149 100
177 22.8 18.9 28.3
150 13.3 10.3 15.5



#61
4-Chlorophenyl-phenylether
Concen: 4.512 ng
RT: 15.286 min Scan# 2091
Delta R.T. 0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion:204 Resp: 34269
Ion Ratio Lower Upper
204 100
206 34.1 26.8 40.2
141 61.4 46.2 69.4





#62

4-Nitroaniline

Concen: 3.639 ng

RT: 15.333 min Scan# 2098

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

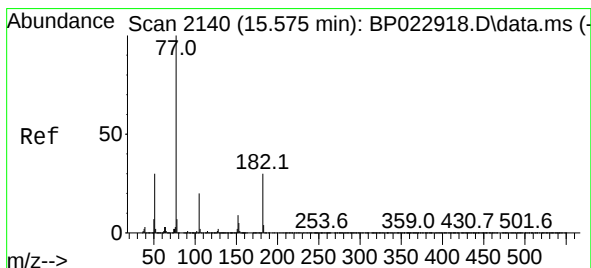
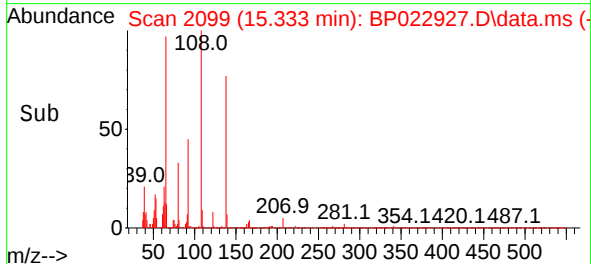
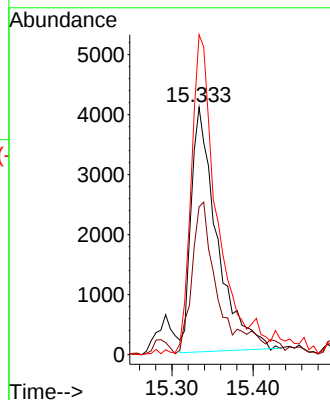
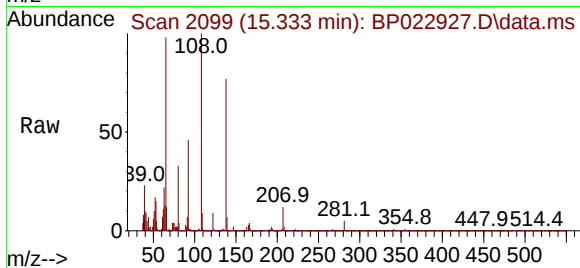
Tgt Ion:138 Resp: 9004

Ion Ratio Lower Upper

138 100

92 59.7 41.9 81.9

108 129.3 109.3 149.3



#63

Azobenzene

Concen: 4.498 ng

RT: 15.592 min Scan# 2143

Delta R.T. 0.018 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Tgt Ion: 77 Resp: 50205

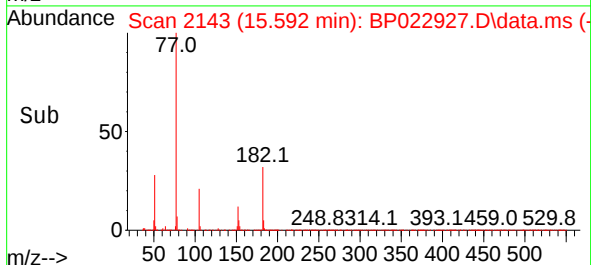
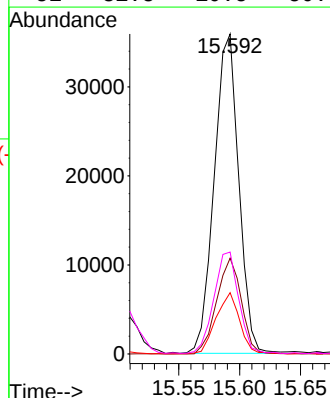
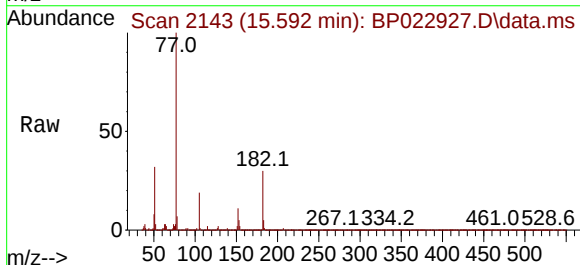
Ion Ratio Lower Upper

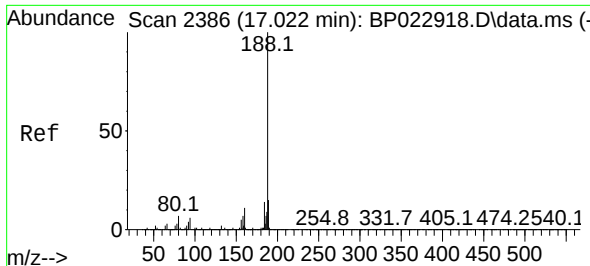
77 100

182 30.0 9.9 49.9

105 19.2 0.0 39.9

51 31.8 10.5 50.5

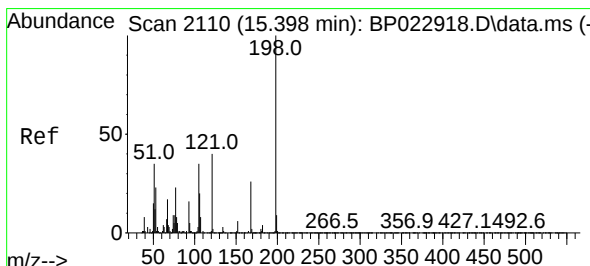
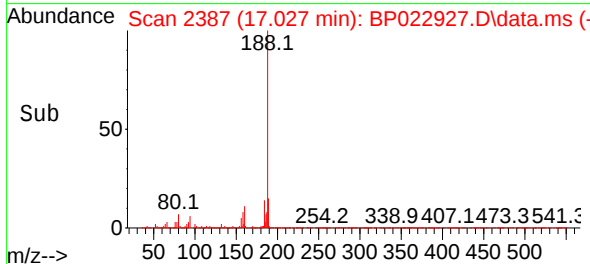
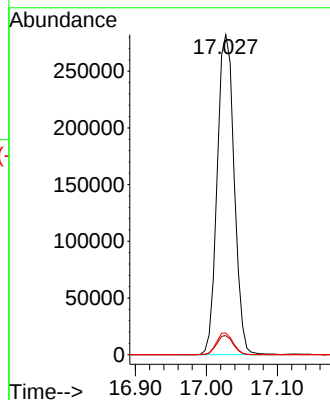
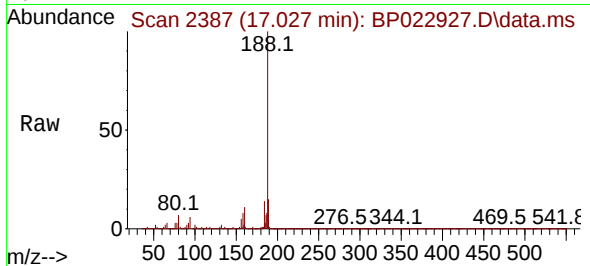




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.027 min Scan# 2111
Delta R.T. 0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

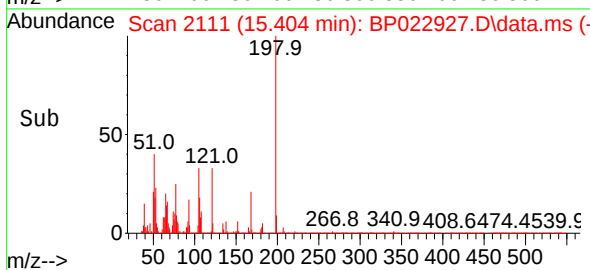
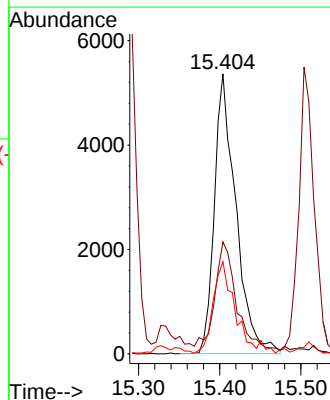
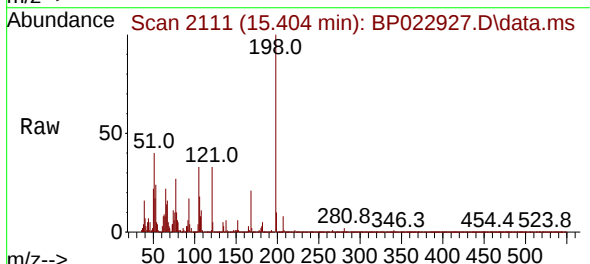
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

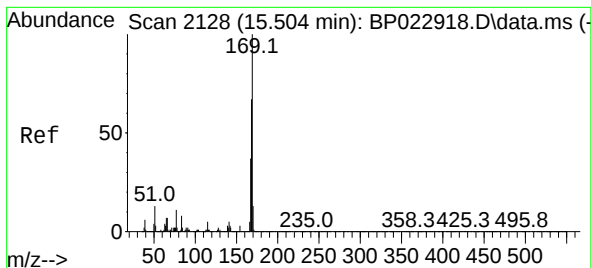
Tgt Ion:188 Resp: 467156
Ion Ratio Lower Upper
188 100
94 6.0 4.8 7.2
80 6.7 5.9 8.9



#65
4,6-Dinitro-2-methylphenol
Concen: 3.461 ng
RT: 15.404 min Scan# 2111
Delta R.T. 0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion:198 Resp: 9837
Ion Ratio Lower Upper
198 100
51 40.0 17.4 57.4
105 32.9 15.4 55.4





#66

n-Nitrosodiphenylamine

Concen: 4.217 ng

RT: 15.510 min Scan# 2128

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

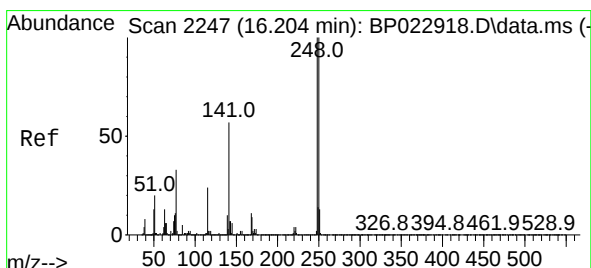
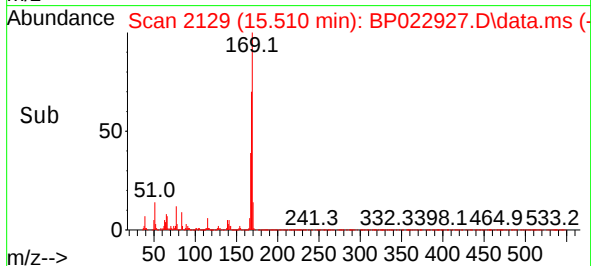
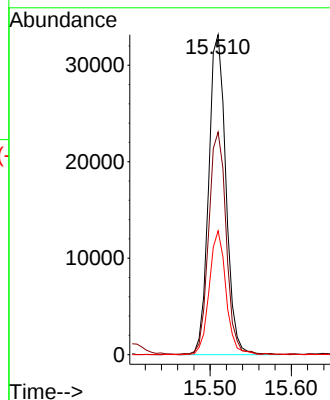
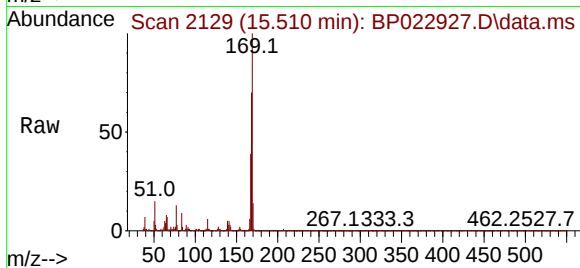
Tgt Ion:169 Resp: 48704

Ion Ratio Lower Upper

169 100

168 69.5 53.9 80.9

167 38.7 29.4 44.0



#67

4-Bromophenyl-phenylether

Concen: 4.445 ng

RT: 16.192 min Scan# 2245

Delta R.T. -0.012 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

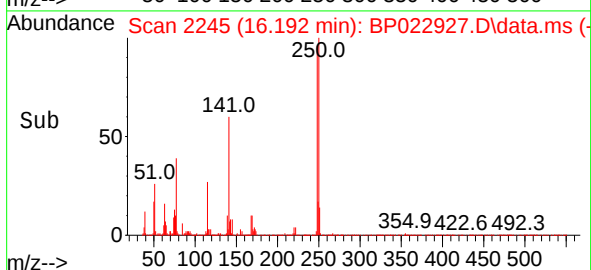
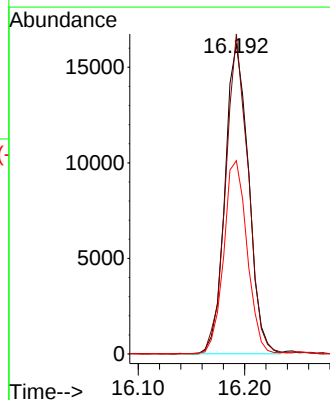
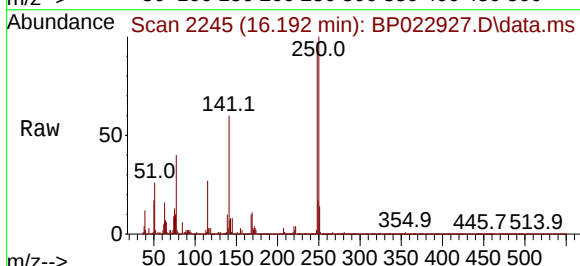
Tgt Ion:248 Resp: 24903

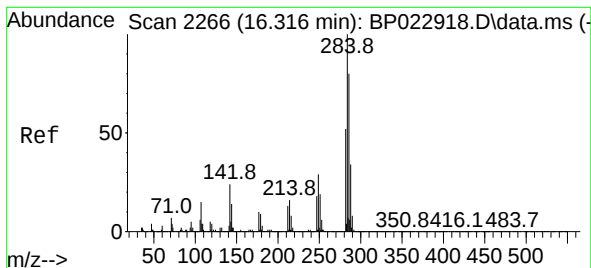
Ion Ratio Lower Upper

248 100

250 103.4 79.8 119.6

141 62.5 45.2 67.8





#68

Hexachlorobenzene

Concen: 4.476 ng

RT: 16.321 min Scan# 2266

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

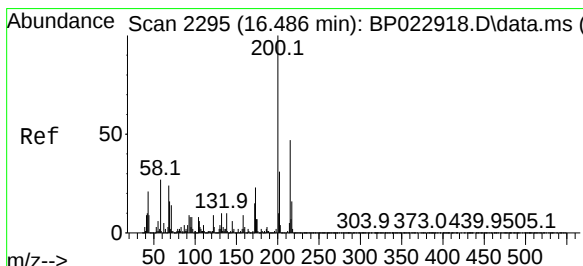
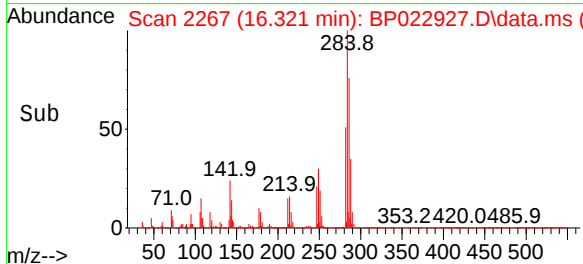
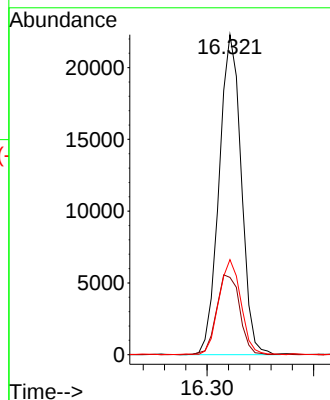
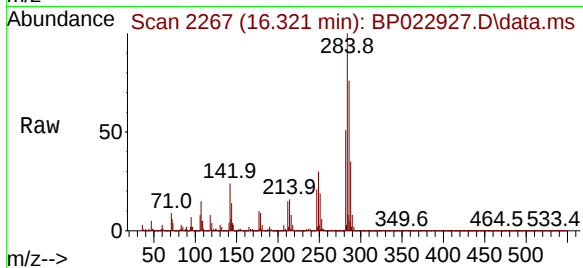
Tgt Ion:284 Resp: 32124

Ion Ratio Lower Upper

284 100

142 24.1 19.0 28.4

249 29.7 23.0 34.6



#69

Atrazine

Concen: 5.806 ng

RT: 16.480 min Scan# 2294

Delta R.T. -0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

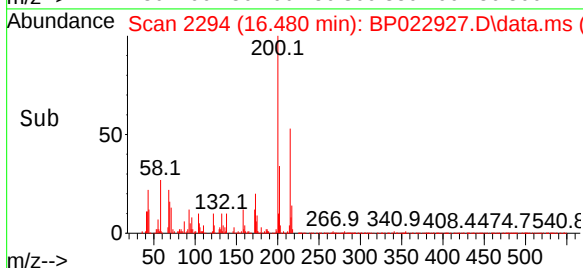
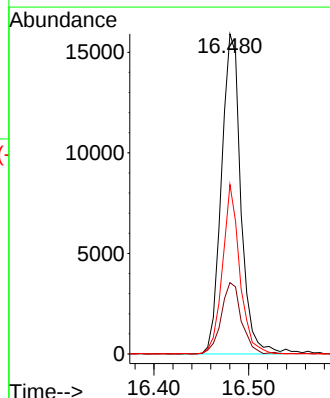
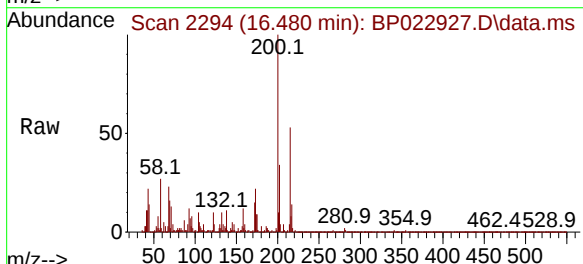
Tgt Ion:200 Resp: 22604

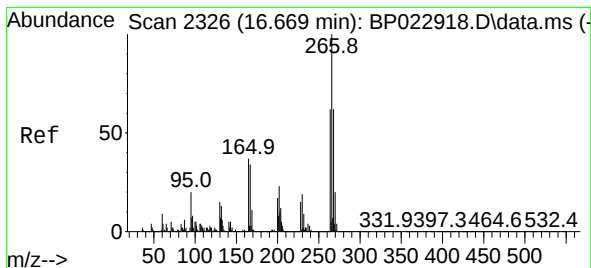
Ion Ratio Lower Upper

200 100

173 22.3 2.7 42.7

215 53.0 27.1 67.1





#70

Pentachlorophenol

Concen: 3.759 ng

RT: 16.698 min Scan# 2331

Delta R.T. 0.029 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

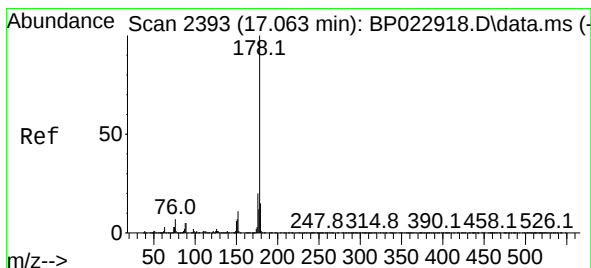
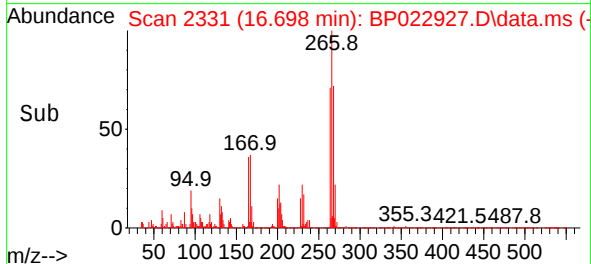
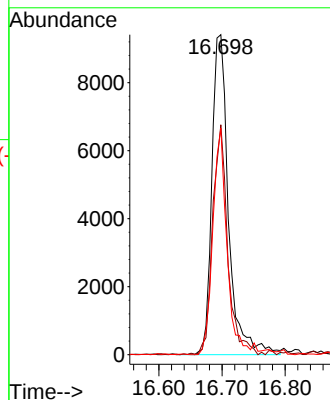
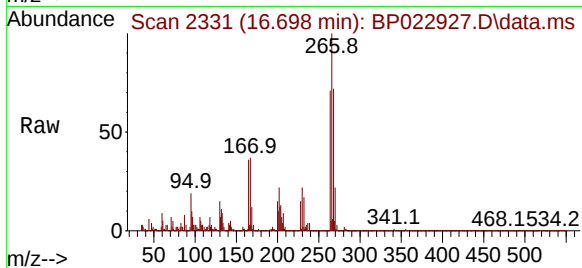
Tgt Ion:266 Resp: 17230

Ion Ratio Lower Upper

266 100

268 71.8 49.9 74.9

264 70.8 49.7 74.5



#71

Phenanthrene

Concen: 4.613 ng

RT: 17.074 min Scan# 2395

Delta R.T. 0.012 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

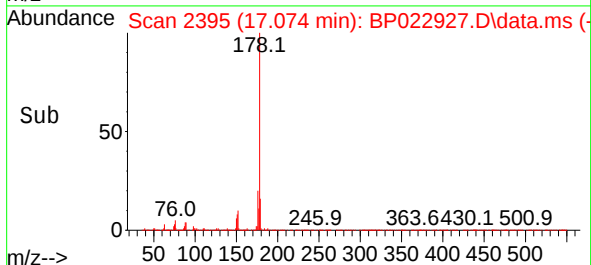
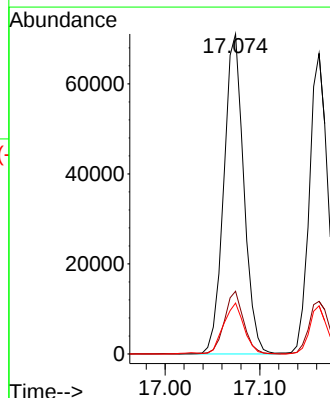
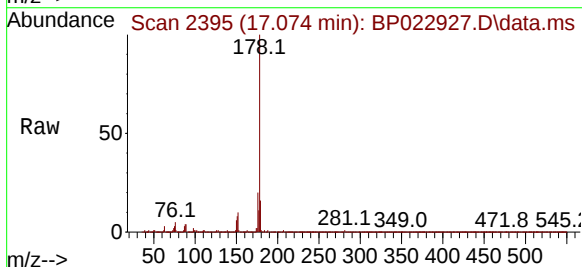
Tgt Ion:178 Resp: 104285

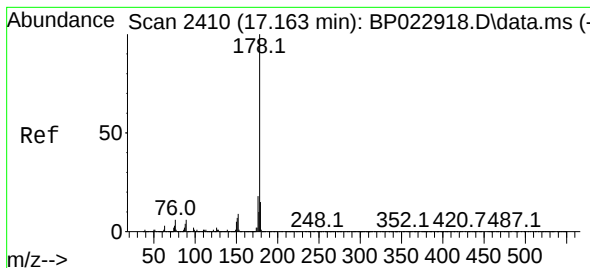
Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.9 12.0 18.0





#72

Anthracene

Concen: 4.252 ng

RT: 17.163 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

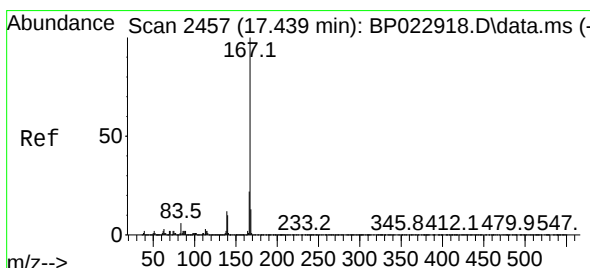
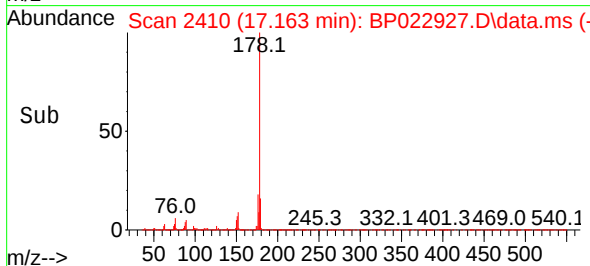
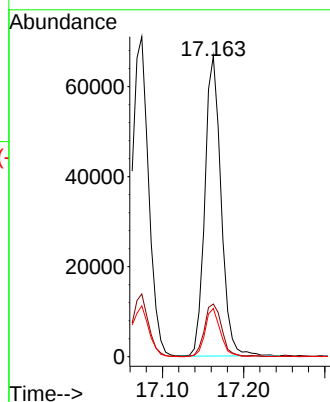
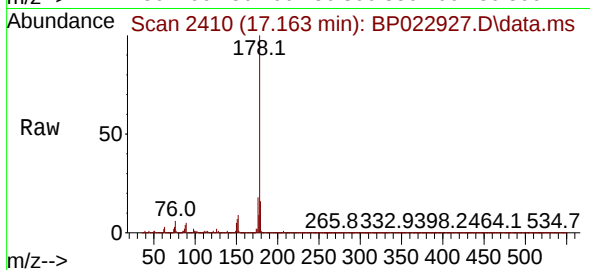
Tgt Ion:178 Resp: 92265

Ion Ratio Lower Upper

178 100

176 17.5 14.6 22.0

179 16.0 12.3 18.5



#73

Carbazole

Concen: 4.212 ng

RT: 17.451 min Scan# 2459

Delta R.T. 0.012 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

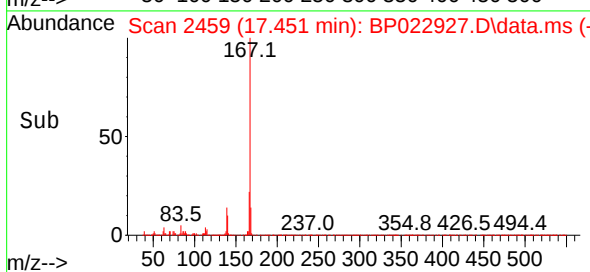
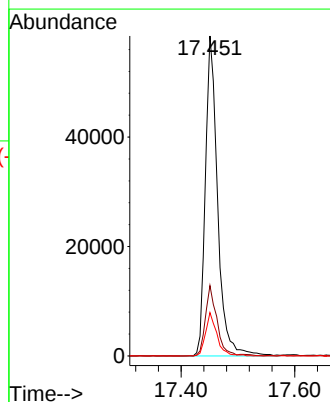
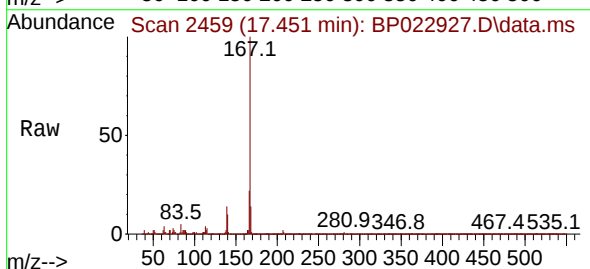
Tgt Ion:167 Resp: 87281

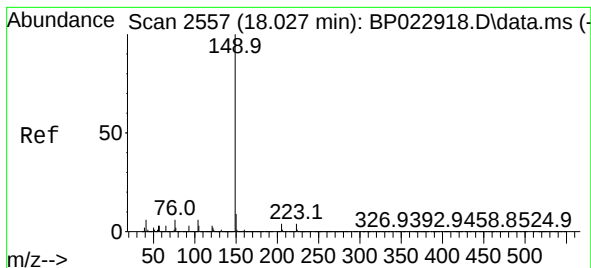
Ion Ratio Lower Upper

167 100

166 22.0 17.4 26.2

139 13.6 10.0 15.0





#74

Di-n-butylphthalate

Concen: 4.078 ng

RT: 18.039 min Scan# 2559

Delta R.T. 0.012 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

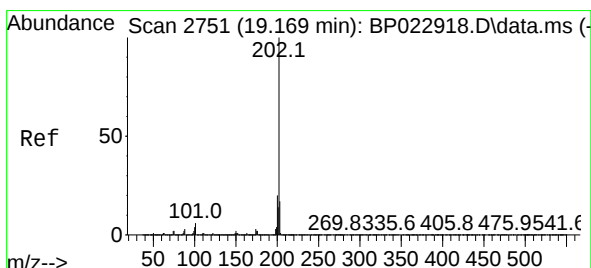
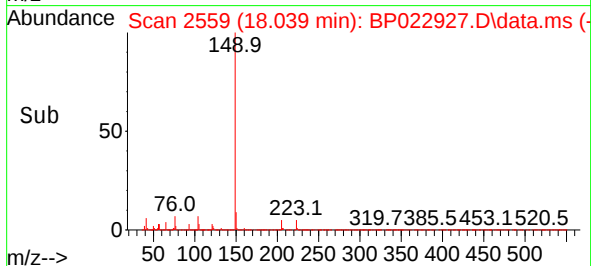
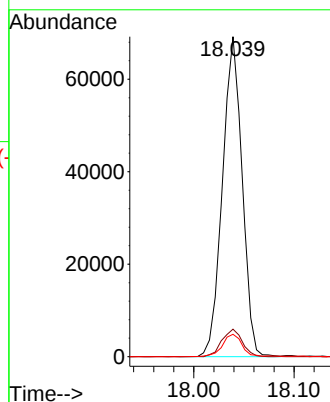
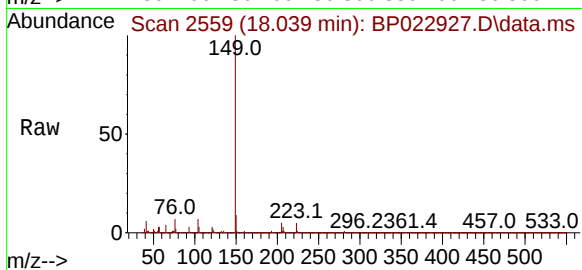
Tgt Ion:149 Resp: 94183

Ion Ratio Lower Upper

149 100

150 8.6 7.2 10.8

104 7.0 4.8 7.2



#75

Fluoranthene

Concen: 4.177 ng

RT: 19.163 min Scan# 2750

Delta R.T. -0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

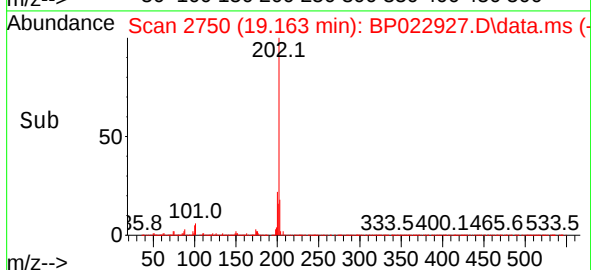
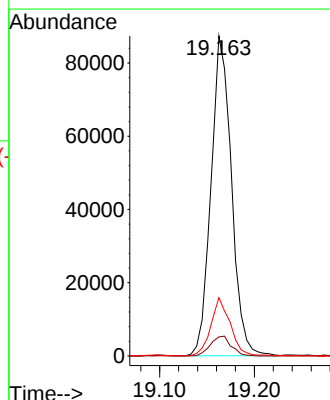
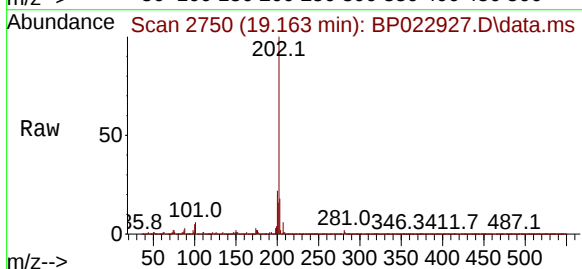
Tgt Ion:202 Resp: 130996

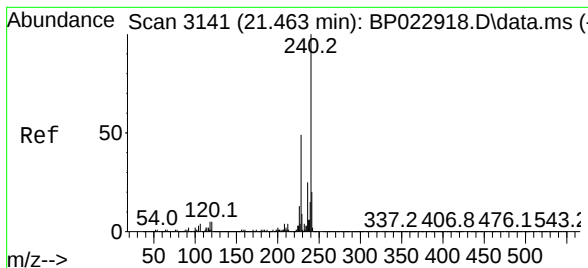
Ion Ratio Lower Upper

202 100

101 6.0 0.0 25.5

203 18.2 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.457 min Scan# 3140

Delta R.T. -0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

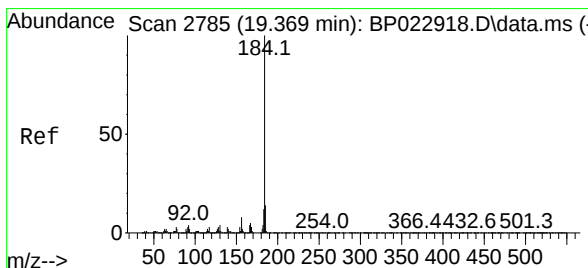
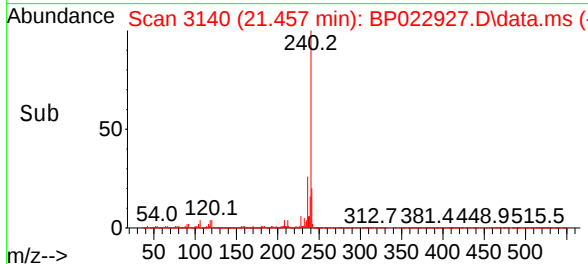
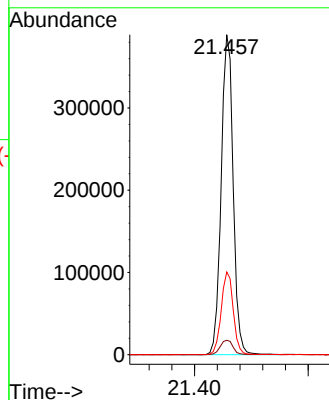
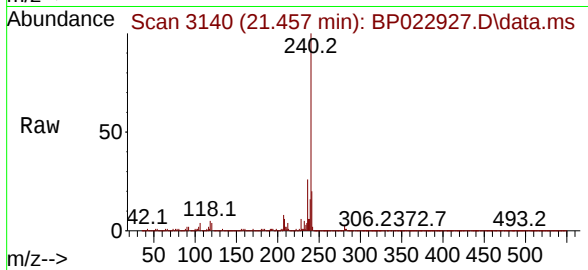
Tgt Ion:240 Resp: 569950

Ion Ratio Lower Upper

240 100

120 4.5 4.2 6.2

236 25.8 20.4 30.6



#77

Benzidine

Concen: 3.059 ng

RT: 19.368 min Scan# 2785

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

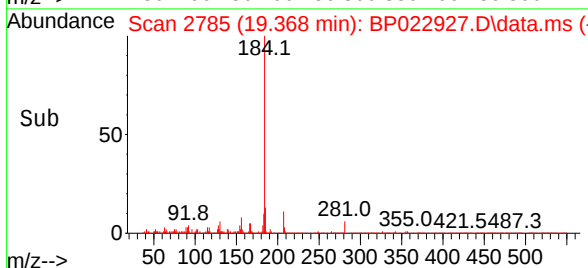
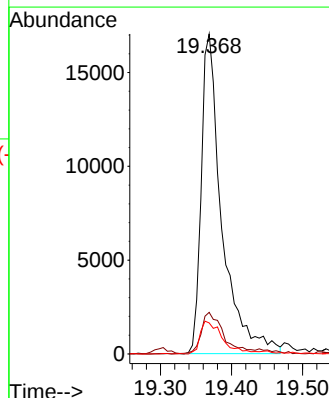
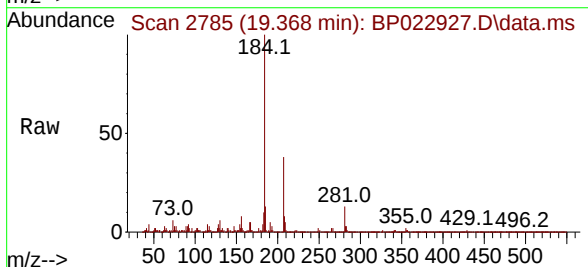
Tgt Ion:184 Resp: 34451

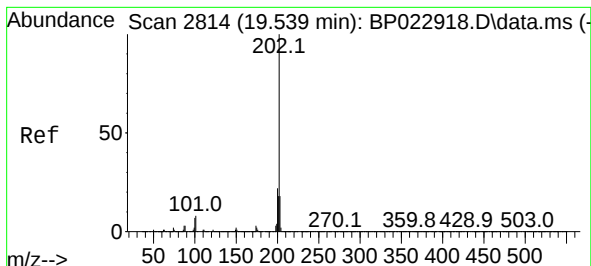
Ion Ratio Lower Upper

184 100

185 13.0 11.3 16.9

183 9.7 9.7 14.5





#78

Pyrene

Concen: 4.181 ng

RT: 19.539 min Scan# 2814

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

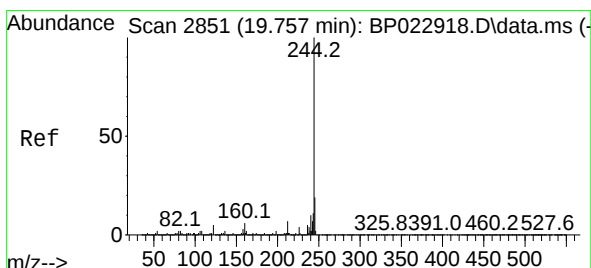
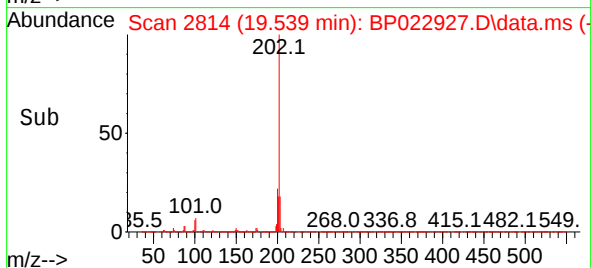
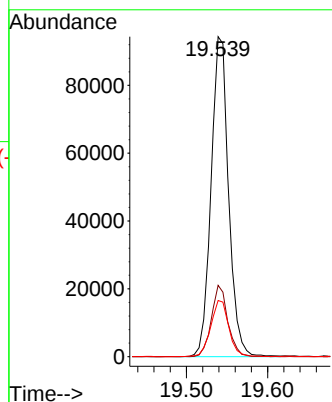
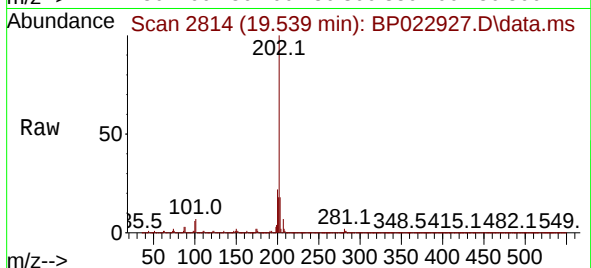
Tgt Ion:202 Resp: 141053

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.0

203 17.5 14.2 21.2



#79

Terphenyl-d14

Concen: 80.967 ng

RT: 19.757 min Scan# 2851

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

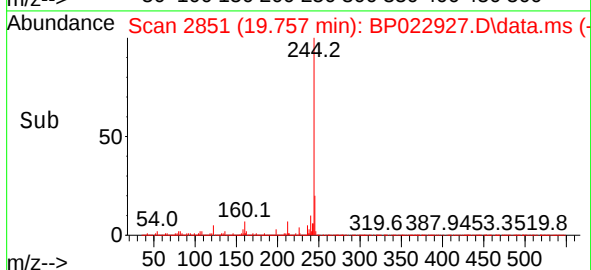
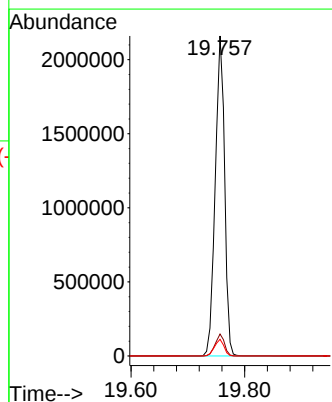
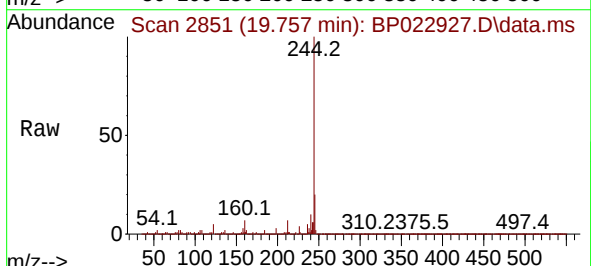
Tgt Ion:244 Resp: 2457218

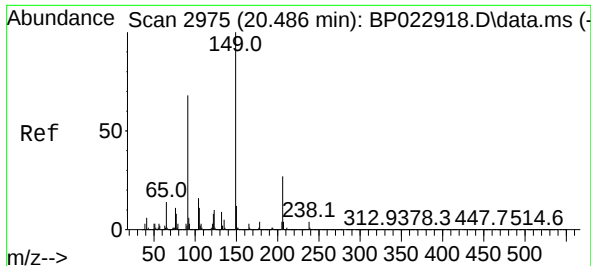
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 5.2 4.4 6.6

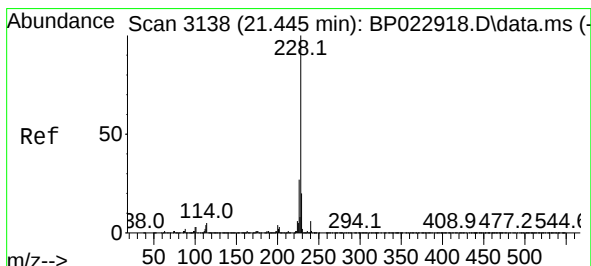
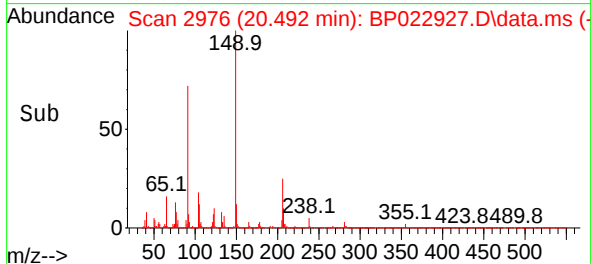
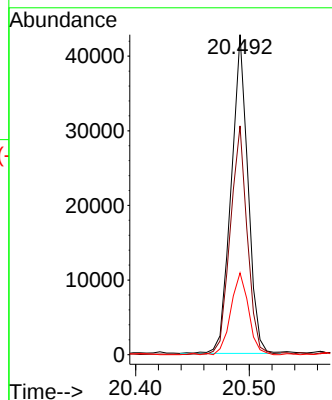
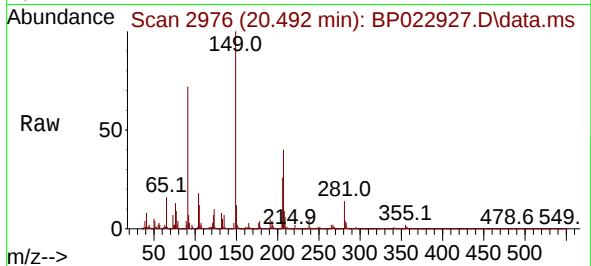




#80
Butylbenzylphthalate
Concen: 3.811 ng
RT: 20.492 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

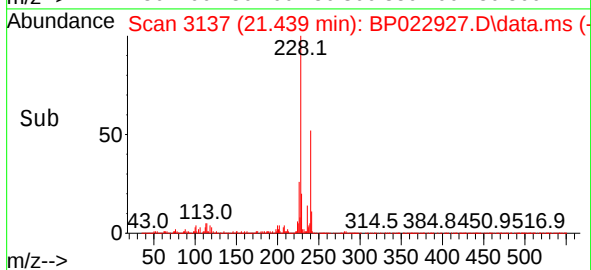
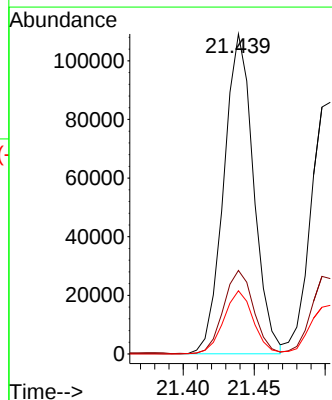
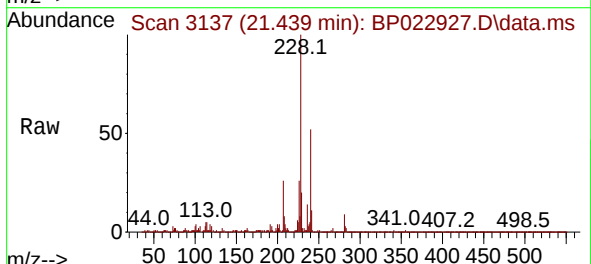
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

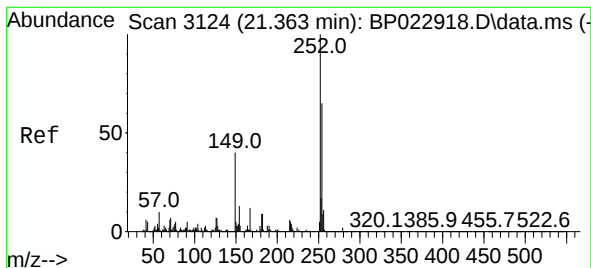
Tgt Ion:149 Resp: 43843
Ion Ratio Lower Upper
149 100
91 71.5 54.6 82.0
206 25.5 21.3 31.9



#81
Benzo(a)anthracene
Concen: 4.487 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BP022927.D
Acq: 08 Nov 2024 09:55

Tgt Ion:228 Resp: 159123
Ion Ratio Lower Upper
228 100
226 26.1 21.8 32.6
229 19.8 16.0 24.0





#82

3,3'-Dichlorobenzidine

Concen: 3.907 ng

RT: 21.368 min Scan# 3124

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

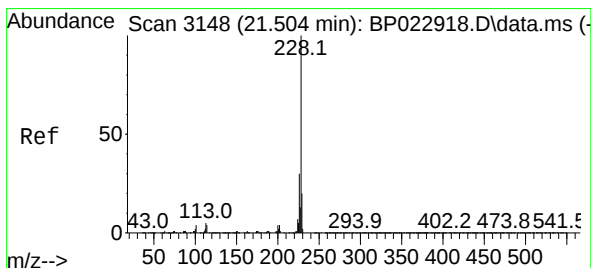
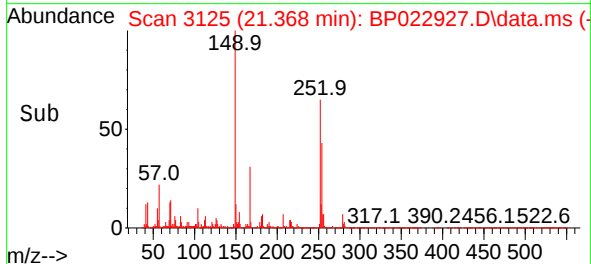
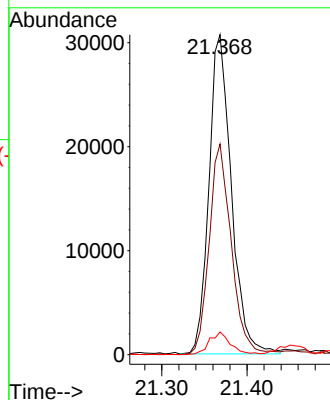
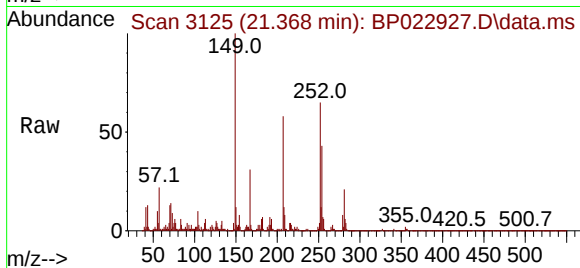
Tgt Ion:252 Resp: 56090

Ion Ratio Lower Upper

252 100

254 65.8 51.7 77.5

126 7.1 5.4 8.0



#83

Chrysene

Concen: 4.612 ng

RT: 21.504 min Scan# 3148

Delta R.T. -0.000 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

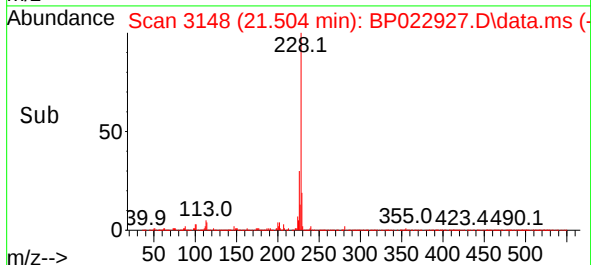
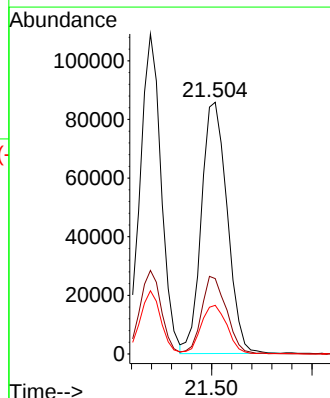
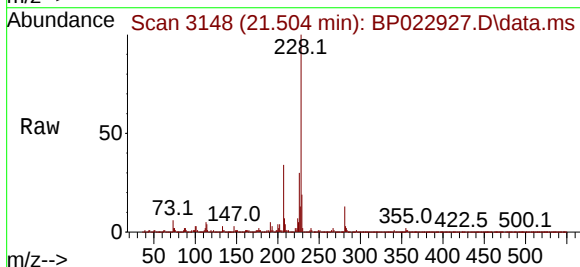
Tgt Ion:228 Resp: 153216

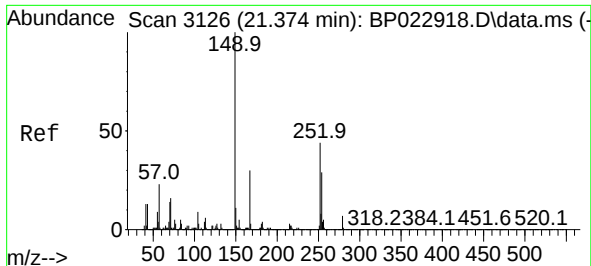
Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

229 19.3 15.8 23.8

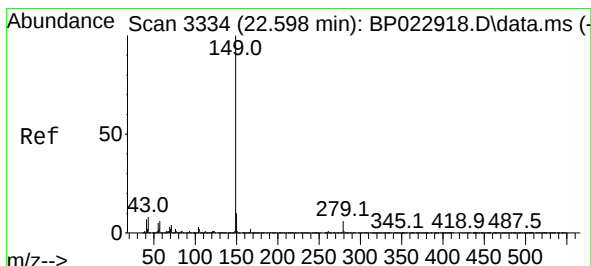
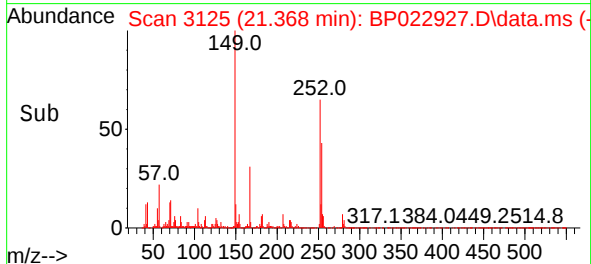
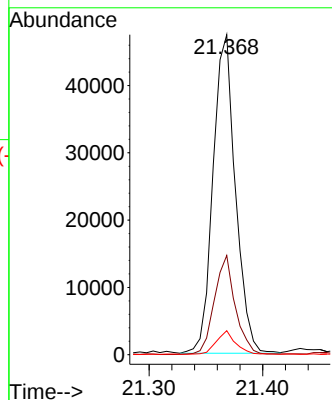
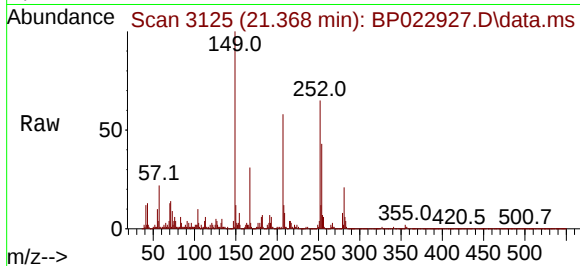




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.927 ng
 RT: 21.368 min Scan# 3125
 Delta R.T. -0.006 min
 Lab File: BP022927.D
 Acq: 08 Nov 2024 09:55

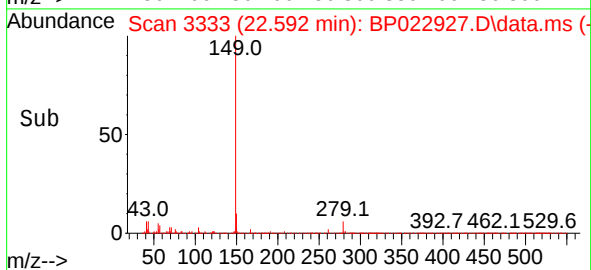
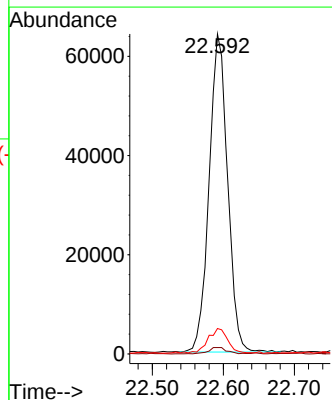
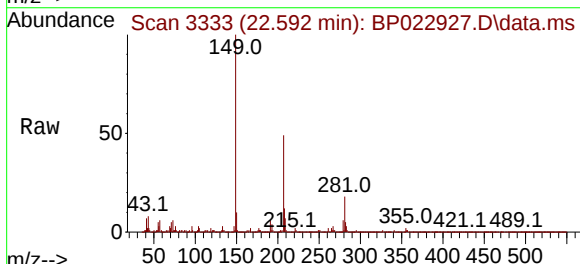
Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

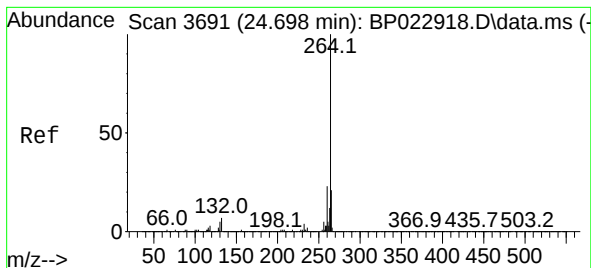
Tgt Ion:149 Resp: 64831
 Ion Ratio Lower Upper
 149 100
 167 31.0 23.7 35.5
 279 7.5 5.3 7.9



#85
 Di-n-octyl phthalate
 Concen: 4.211 ng
 RT: 22.592 min Scan# 3333
 Delta R.T. -0.006 min
 Lab File: BP022927.D
 Acq: 08 Nov 2024 09:55

Tgt Ion:149 Resp: 116172
 Ion Ratio Lower Upper
 149 100
 167 2.0 1.4 2.0
 43 7.9 6.3 9.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.686 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

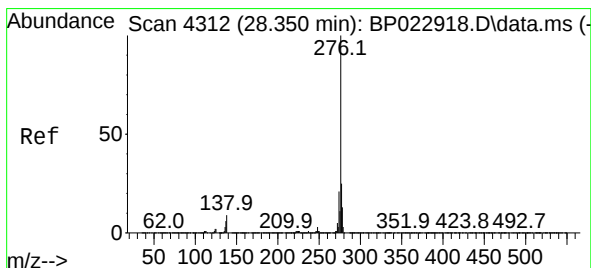
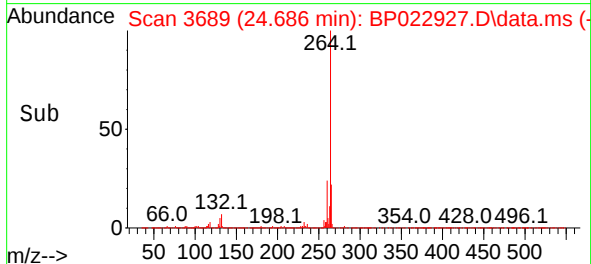
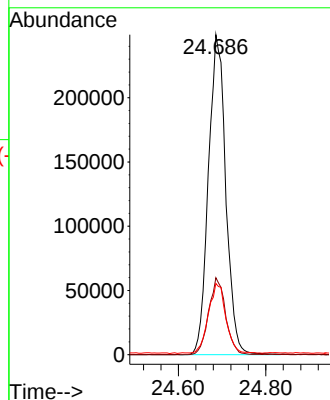
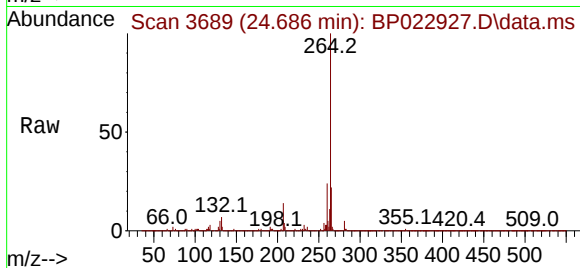
Tgt Ion:264 Resp: 687342

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.3 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.829 ng

RT: 28.339 min Scan# 4310

Delta R.T. -0.012 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

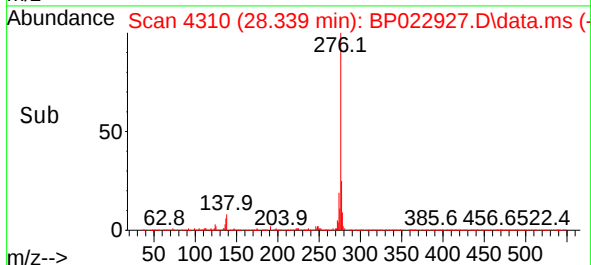
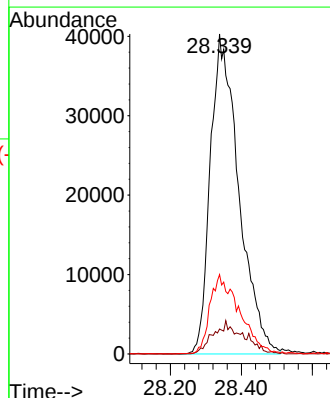
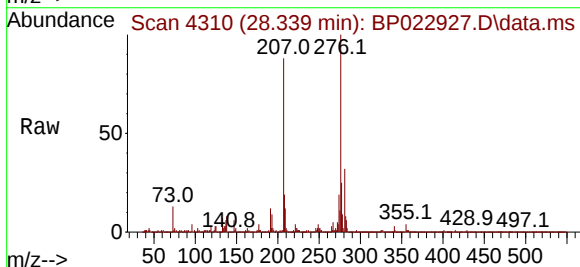
Tgt Ion:276 Resp: 223873

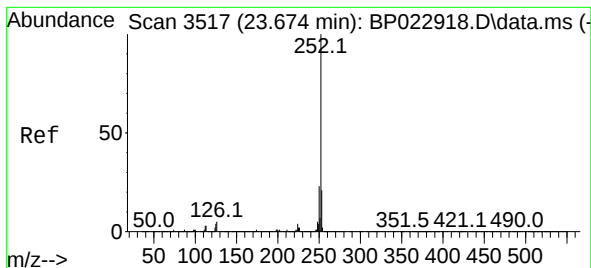
Ion Ratio Lower Upper

276 100

138 8.9 8.7 13.1

277 14.5 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 4.379 ng

RT: 23.668 min Scan# 3516

Delta R.T. -0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

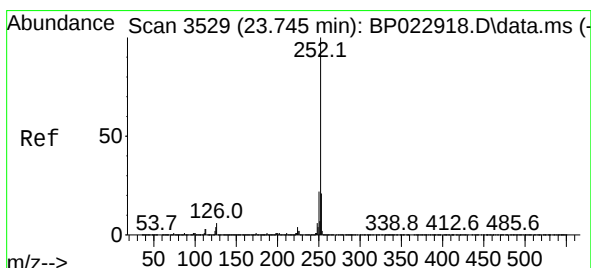
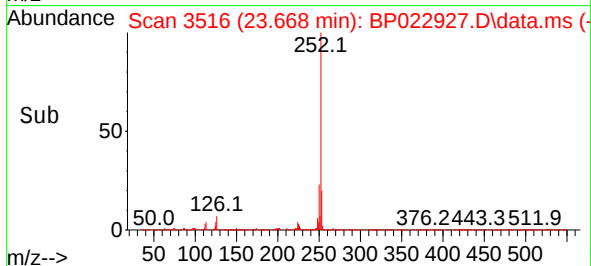
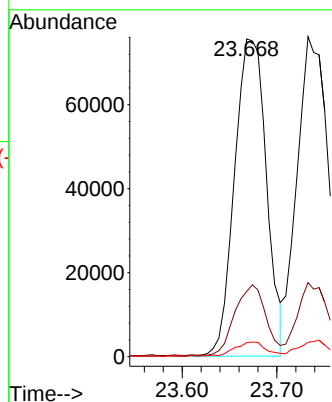
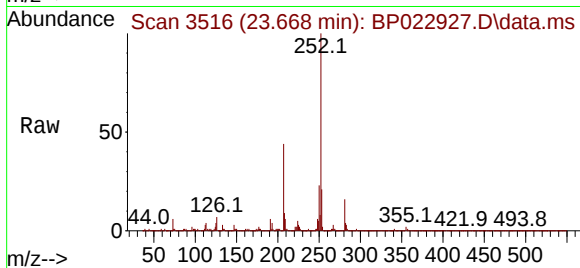
Tgt Ion:252 Resp: 176823

Ion Ratio Lower Upper

252 100

253 20.5 16.8 25.2

125 4.5 3.2 4.8



#89

Benzo(k)fluoranthene

Concen: 4.619 ng

RT: 23.733 min Scan# 3527

Delta R.T. -0.012 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

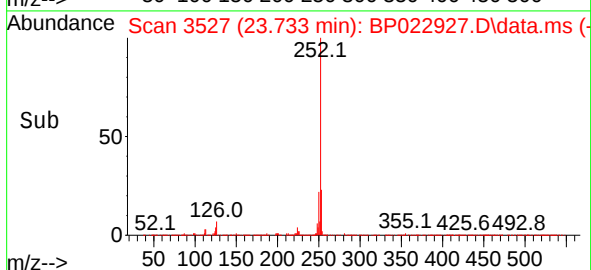
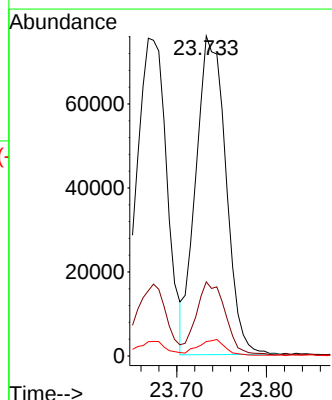
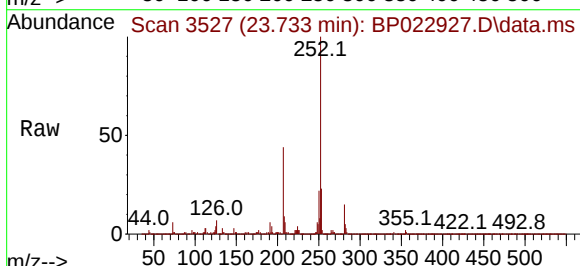
Tgt Ion:252 Resp: 176116

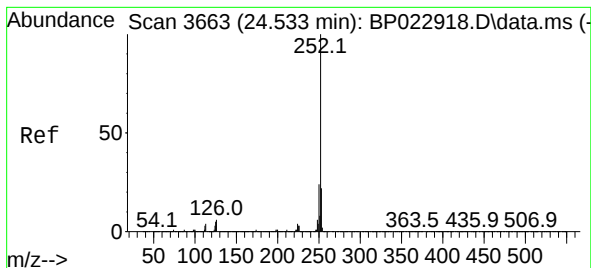
Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 4.5 3.4 5.2





#90

Benzo(a)pyrene

Concen: 4.645 ng

RT: 24.539 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

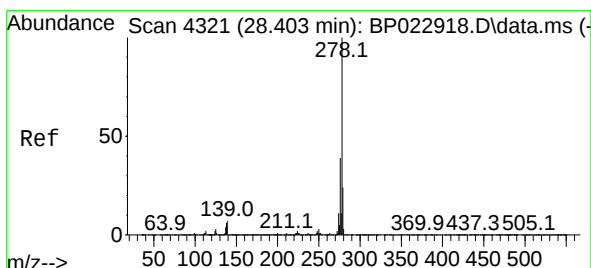
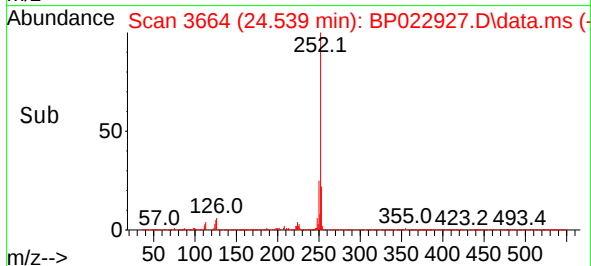
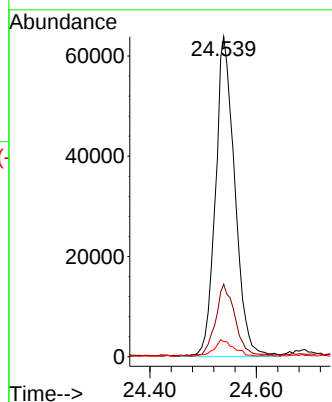
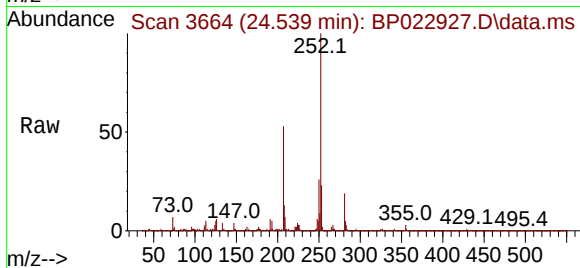
Tgt Ion:252 Resp: 160498

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 4.7 4.0 6.0



#91

Dibenzo(a,h)anthracene

Concen: 4.827 ng

RT: 28.397 min Scan# 4320

Delta R.T. -0.006 min

Lab File: BP022927.D

Acq: 08 Nov 2024 09:55

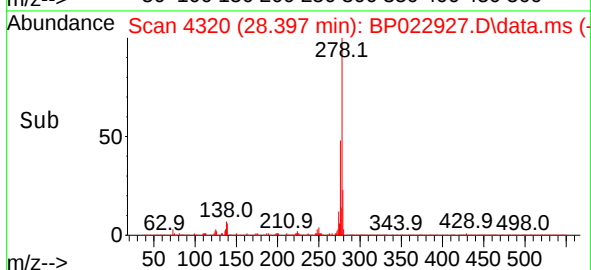
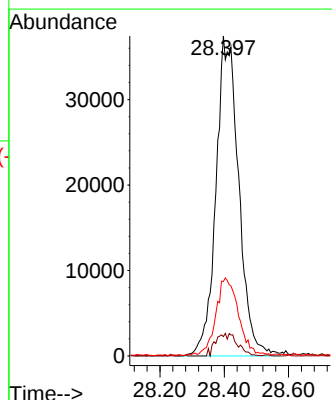
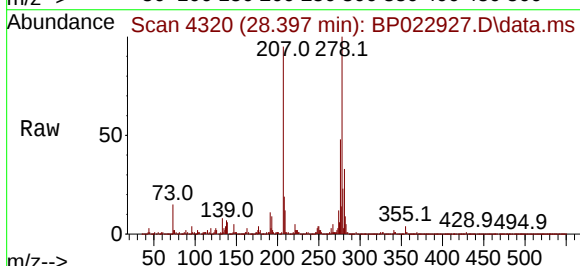
Tgt Ion:278 Resp: 183517

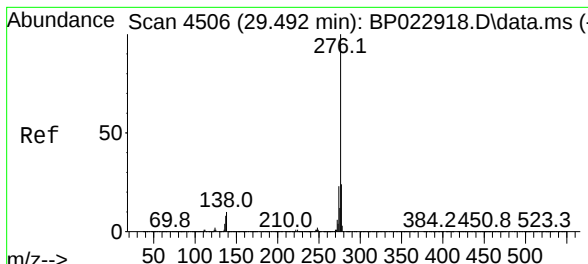
Ion Ratio Lower Upper

278 100

139 6.0 5.4 8.2

279 23.3 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 4.460 ng
 RT: 29.503 min Scan# 4508
 Delta R.T. 0.012 min
 Lab File: BP022927.D
 Acq: 08 Nov 2024 09:55

Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2024

Tgt Ion: 276 Resp: 173735

Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.8	28.2
138	10.3	7.6	11.4

