

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110824\
 Data File : BP022928.D
 Acq On : 08 Nov 2024 10:36
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 08 11:05:50 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	7.599	152	51769	20.000	ng	0.00
21) Naphthalene-d8	10.351	136	193021	20.000	ng	0.00
39) Acenaphthene-d10	14.222	164	157110	20.000	ng	0.00
64) Phenanthrene-d10	17.022	188	407633	20.000	ng	0.00
76) Chrysene-d12	21.463	240	514057	20.000	ng	0.00
86) Perylene-d12	24.692	264	626769	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	318279	116.676	ng	0.00
7) Phenol-d6	6.799	99	438336	115.223	ng	0.00
23) Nitrobenzene-d5	8.746	82	352040	86.166	ng	0.00
42) 2,4,6-Tribromophenol	15.745	330	382056	125.458	ng	0.00
45) 2-Fluorobiphenyl	12.828	172	922776	83.923	ng	0.01
79) Terphenyl-d14	19.763	244	2148352	78.486	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.181	88	11947	10.970	ng	95
3) Pyridine	3.587	79	26359	8.815	ng	99
4) n-Nitrosodimethylamine	3.493	42	15449	10.717	ng	# 93
6) Aniline	6.946	93	39676	12.511	ng	98
8) 2-Chlorophenol	7.175	128	28907	10.109	ng	93
9) Benzaldehyde	6.769	77	30740	13.982	ng	97
10) Phenol	6.822	94	37173	9.867	ng	90
11) bis(2-Chloroethyl)ether	7.034	93	28724	10.091	ng	96
12) 1,3-Dichlorobenzene	7.487	146	36341	9.959	ng	98
13) 1,4-Dichlorobenzene	7.634	146	36398	9.768	ng	97
14) 1,2-Dichlorobenzene	7.946	146	35744	9.921	ng	94
15) Benzyl Alcohol	7.846	79	24608	8.540	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.104	45	33633	10.891	ng	97
17) 2-Methylphenol	8.051	107	24548	9.599	ng	95
18) Hexachloroethane	8.651	117	13465	9.768	ng	96
19) n-Nitroso-di-n-propyla...	8.393	70	25892	9.944	ng	# 98
20) 3+4-Methylphenols	8.381	107	33087	9.257	ng	98
22) Acetophenone	8.410	105	53904	10.492	ng	# 96
24) Nitrobenzene	8.781	77	43255	10.423	ng	96
25) Isophorone	9.304	82	69686	10.078	ng	98
26) 2-Nitrophenol	9.487	139	16245	9.532	ng	96
27) 2,4-Dimethylphenol	9.551	122	16775	8.620	ng	96
28) bis(2-Chloroethoxy)met...	9.781	93	39156	9.969	ng	98
29) 2,4-Dichlorophenol	10.034	162	31692	9.408	ng	93
30) 1,2,4-Trichlorobenzene	10.216	180	41131	9.551	ng	96
31) Naphthalene	10.398	128	96619	9.990	ng	99
32) Benzoic acid	9.681	122	32701	13.994	ng	96
33) 4-Chloroaniline	10.534	127	36058	10.475	ng	94
34) Hexachlorobutadiene	10.675	225	29927	9.475	ng	98
35) Caprolactam	11.316	113	9476	9.397	ng	96
36) 4-Chloro-3-methylphenol	11.663	107	35191	9.370	ng	99
37) 2-Methylnaphthalene	12.016	142	72375	9.992	ng	99
38) 1-Methylnaphthalene	12.234	142	67144	9.339	ng	96
40) 1,2,4,5-Tetrachloroben...	12.387	216	54380	10.224	ng	99
41) Hexachlorocyclopentadiene	12.357	237	12543	8.397	ng	98
43) 2,4,6-Trichlorophenol	12.639	196	31893	9.428	ng	99

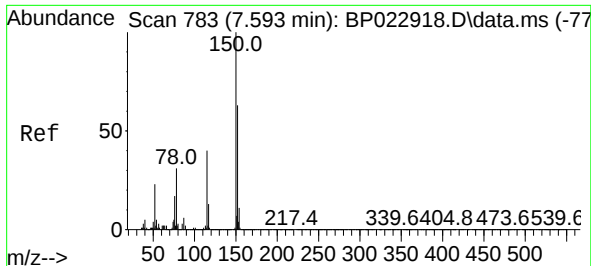
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 23:36:11 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.734	196	35762	9.287	ng	94
46) 1,1'-Biphenyl	13.034	154	107823	10.324	ng	98
47) 2-Chloronaphthalene	13.075	162	85572	9.873	ng	99
48) 2-Nitroaniline	13.304	65	22884	9.062	ng	91
49) Acenaphthylene	13.939	152	130581	10.788	ng	98
50) Dimethylphthalate	13.669	163	115841	10.071	ng	99
51) 2,6-Dinitrotoluene	13.792	165	23724	9.070	ng	90
52) Acenaphthene	14.286	154	75453	9.694	ng	97
53) 3-Nitroaniline	14.139	138	19683	9.262	ng	96
54) 2,4-Dinitrophenol	14.375	184	12412	7.647	ng	92
55) Dibenzofuran	14.628	168	138854	10.158	ng	98
56) 4-Nitrophenol	14.498	139	14403	8.241	ng	93
57) 2,4-Dinitrotoluene	14.622	165	34731	9.185	ng	# 92
58) Fluorene	15.286	166	111528	9.821	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.857	232	35591	9.583	ng	98
60) Diethylphthalate	15.057	149	108203	9.458	ng	99
61) 4-Chlorophenyl-phenyle...	15.286	204	66562	9.945	ng	95
62) 4-Nitroaniline	15.339	138	18683	8.568	ng	96
63) Azobenzene	15.580	77	100560	10.222	ng	96
65) 4,6-Dinitro-2-methylph...	15.398	198	33985	13.704	ng	96
66) n-Nitrosodiphenylamine	15.498	169	97969	9.721	ng	98
67) 4-Bromophenyl-phenylether	16.192	248	45821	9.372	ng	94
68) Hexachlorobenzene	16.316	284	59365	9.480	ng	97
69) Atrazine	16.480	200	42767	12.590	ng	98
70) Pentachlorophenol	16.680	266	34427	8.608	ng	100
71) Phenanthrene	17.069	178	195824	9.926	ng	98
72) Anthracene	17.169	178	192978	10.193	ng	99
73) Carbazole	17.457	167	176821	9.779	ng	99
74) Di-n-butylphthalate	18.027	149	184637	9.162	ng	100
75) Fluoranthene	19.157	202	263232	9.619	ng	99
77) Benzidine	19.369	184	117624	11.581	ng	97
78) Pyrene	19.533	202	268451	8.822	ng	99
80) Butylbenzylphthalate	20.492	149	88772	8.556	ng	93
81) Benzo(a)anthracene	21.439	228	309411	9.673	ng	100
82) 3,3'-Dichlorobenzidine	21.368	252	119977	9.265	ng	97
83) Chrysene	21.510	228	292735	9.770	ng	99
84) Bis(2-ethylhexyl)phtha...	21.368	149	129004	8.664	ng	98
85) Di-n-octyl phthalate	22.598	149	221494	8.902	ng	99
87) Indeno(1,2,3-cd)pyrene	28.350	276	437988	10.361	ng	# 97
88) Benzo(b)fluoranthene	23.739	252	348709	9.470	ng	100
89) Benzo(k)fluoranthene	23.739	252	348709	10.029	ng	100
90) Benzo(a)pyrene	24.533	252	330896	10.502	ng	99
91) Dibenzo(a,h)anthracene	28.415	278	350895	10.122	ng	97
92) Benzo(g,h,i)perylene	29.486	276	334025	9.403	ng	98

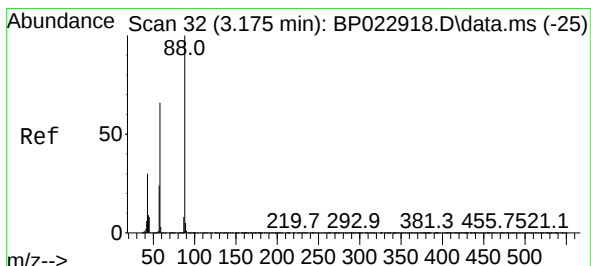
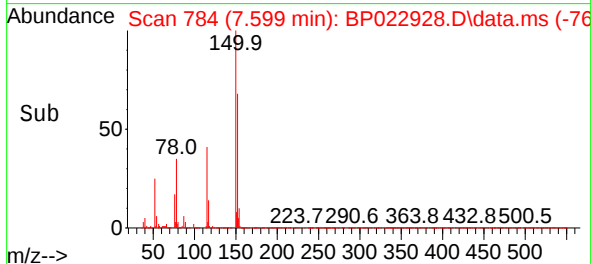
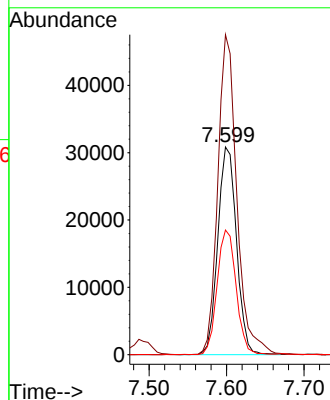
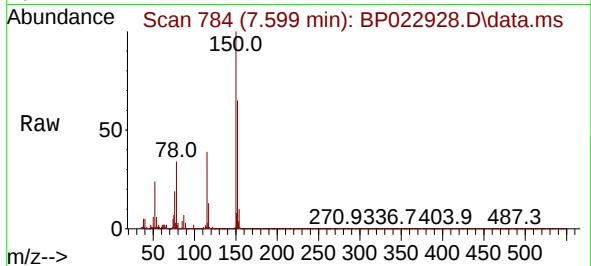
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.599 min Scan# 70
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

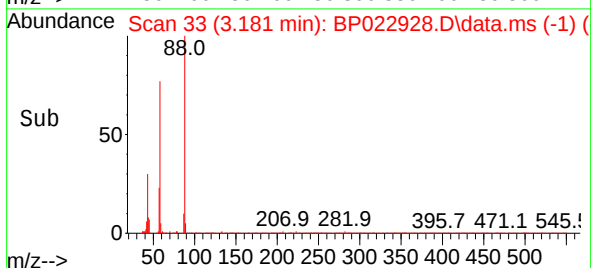
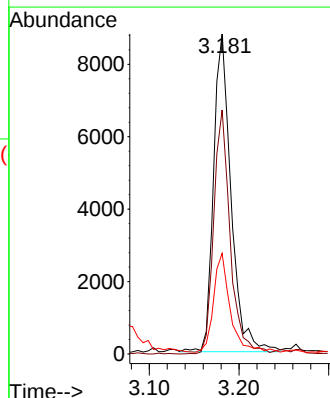
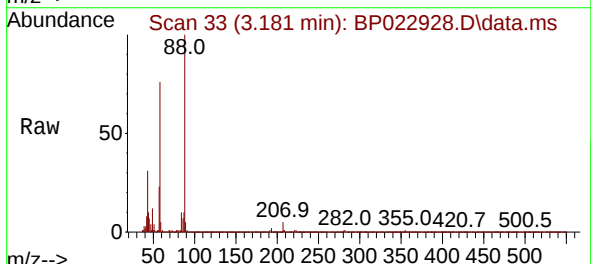
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

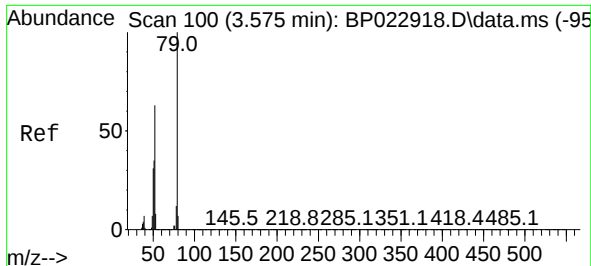
Tgt Ion:152 Resp: 51769
Ion Ratio Lower Upper
152 100
150 154.1 127.0 190.4
115 60.1 50.5 75.7



#2
1,4-Dioxane
Concen: 10.970 ng
RT: 3.181 min Scan# 33
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion: 88 Resp: 11947
Ion Ratio Lower Upper
88 100
58 71.7 52.8 79.2
43 29.3 23.4 35.0

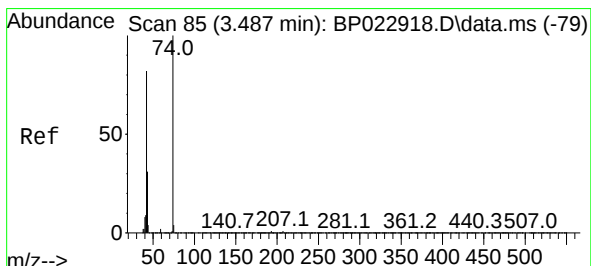
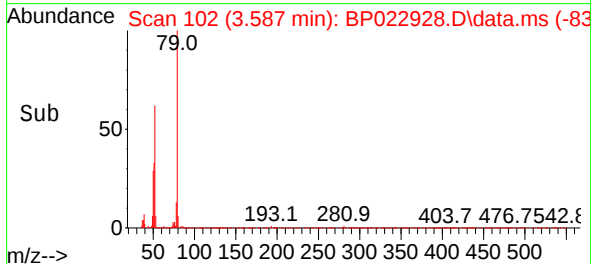
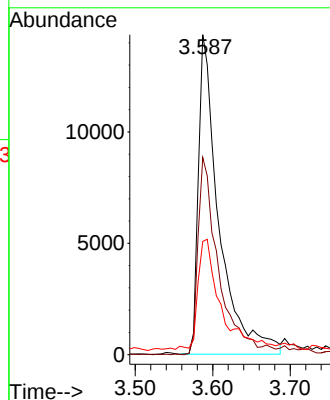
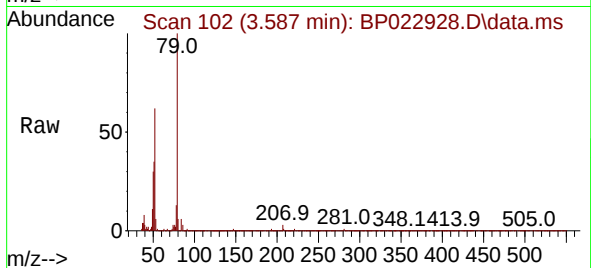




#3
Pyridine
Concen: 8.815 ng
RT: 3.587 min Scan# 101
Delta R.T. 0.012 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

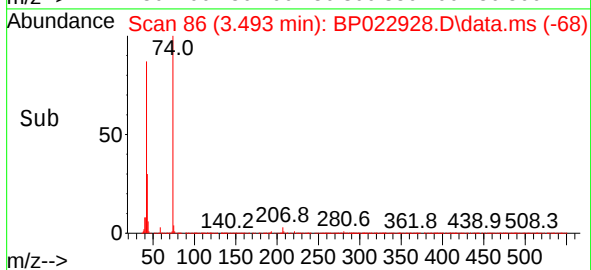
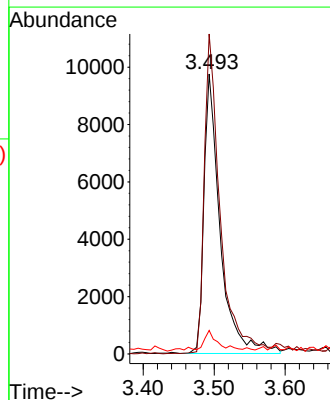
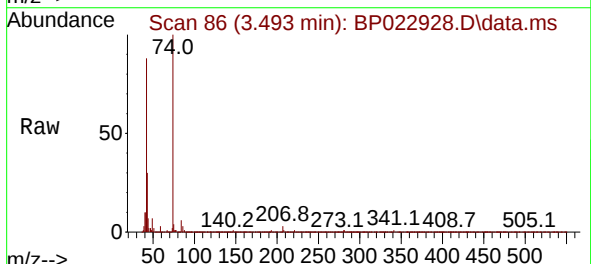
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT4-2024

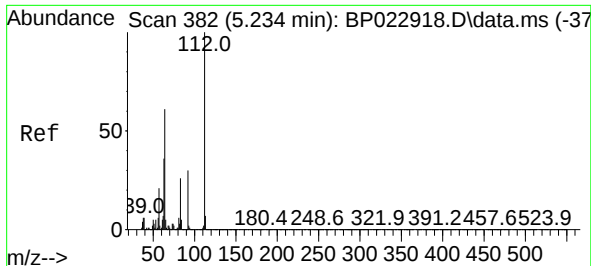
Tgt Ion: 79 Resp: 26359
Ion Ratio Lower Upper
79 100
52 61.6 50.4 75.6
51 35.4 28.6 43.0



#4
n-Nitrosodimethylamine
Concen: 10.717 ng
RT: 3.493 min Scan# 86
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion: 42 Resp: 15449
Ion Ratio Lower Upper
42 100
74 114.3 97.7 146.5
44 8.4 4.5 6.7#

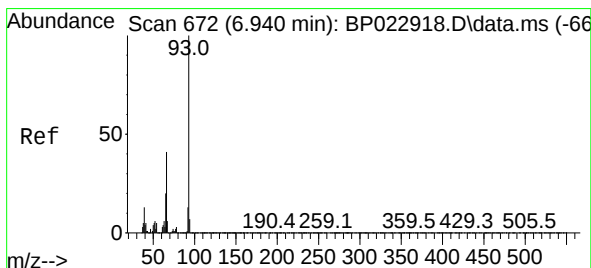
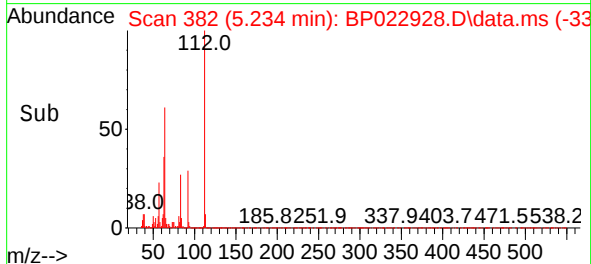
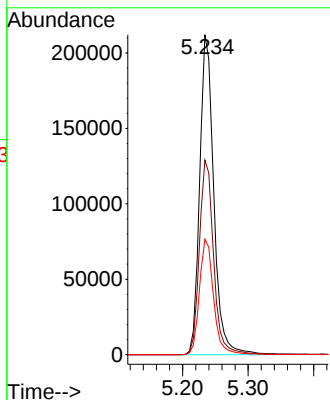
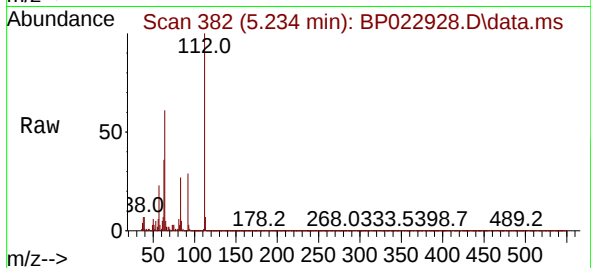




#5
2-Fluorophenol
Concen: 116.676 ng
RT: 5.234 min Scan# 382
Delta R.T. 0.000 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

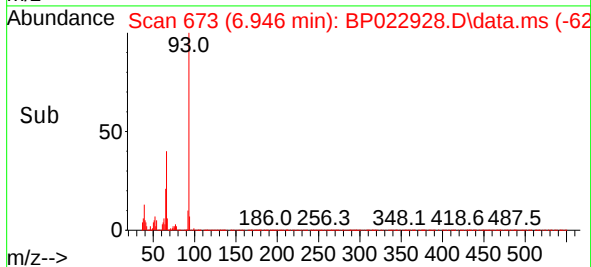
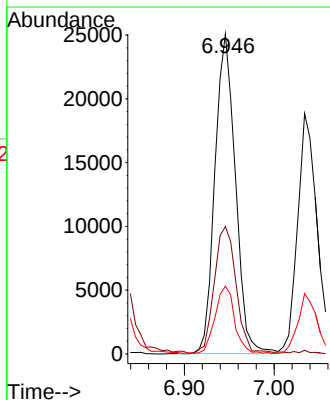
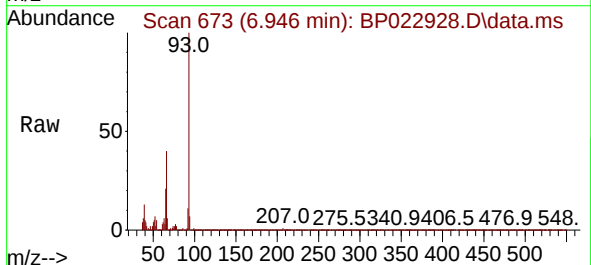
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT4-2024

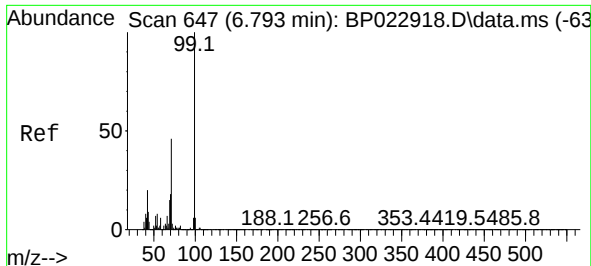
Tgt Ion:112 Resp: 318279
Ion Ratio Lower Upper
112 100
64 60.8 48.7 73.1
63 36.0 29.0 43.4



#6
Aniline
Concen: 12.511 ng
RT: 6.946 min Scan# 673
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion: 93 Resp: 39676
Ion Ratio Lower Upper
93 100
66 39.8 32.9 49.3
65 21.2 16.0 24.0

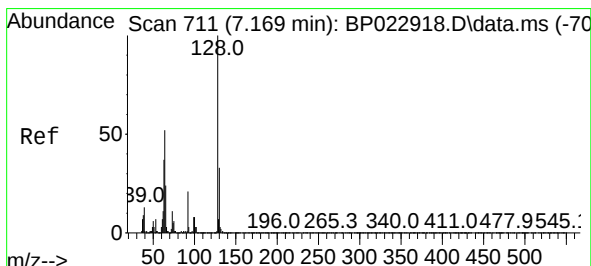
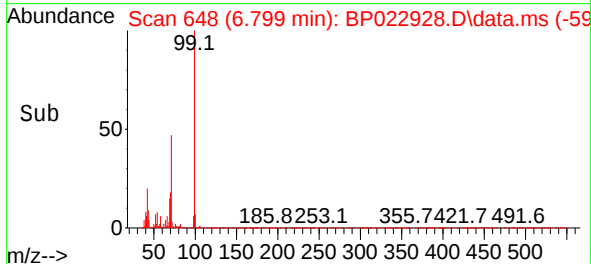
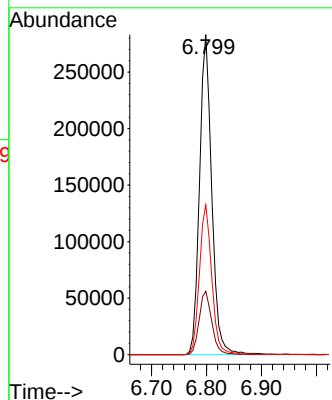
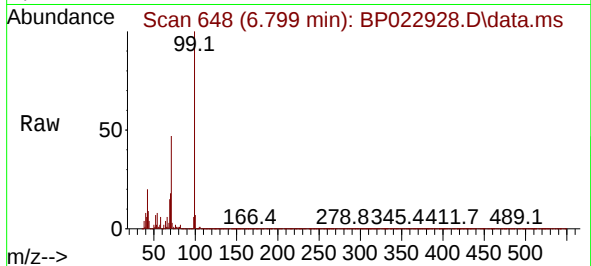




#7
Phenol-d6
Concen: 115.223 ng
RT: 6.799 min Scan# 647
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

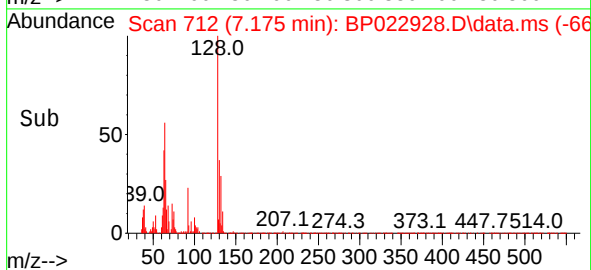
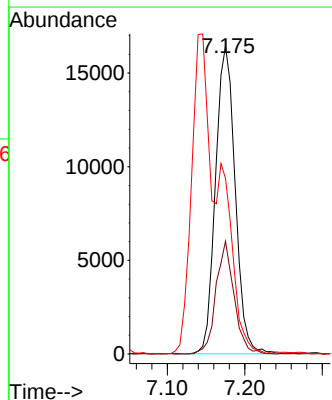
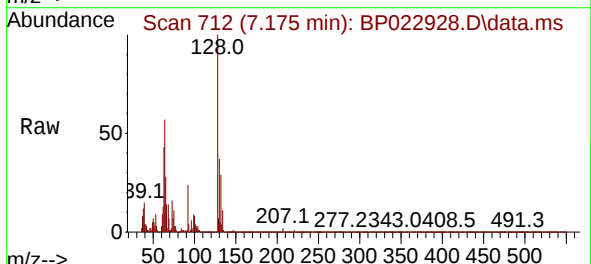
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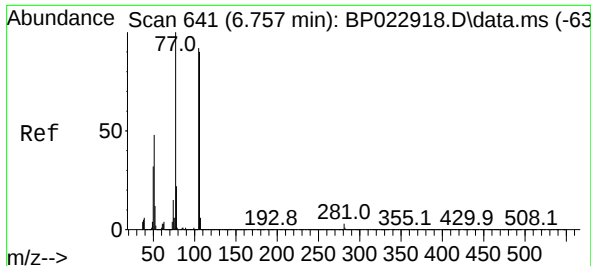
Tgt Ion: 99 Resp: 438336
Ion Ratio Lower Upper
99 100
42 19.9 15.8 23.6
71 46.8 36.6 55.0



#8
2-Chlorophenol
Concen: 10.109 ng
RT: 7.175 min Scan# 712
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion: 128 Resp: 28907
Ion Ratio Lower Upper
128 100
130 36.7 12.6 52.6
64 57.1 32.7 72.7

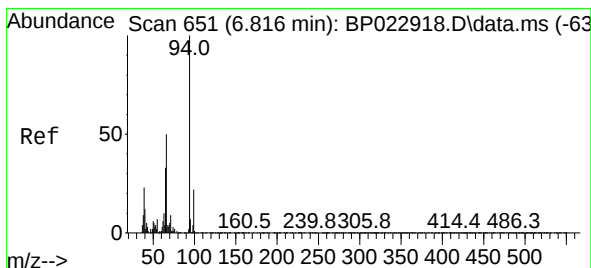
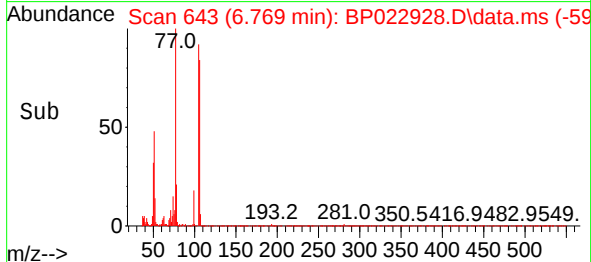
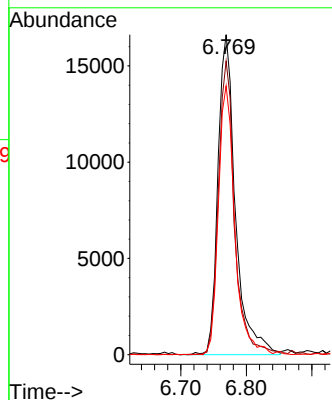
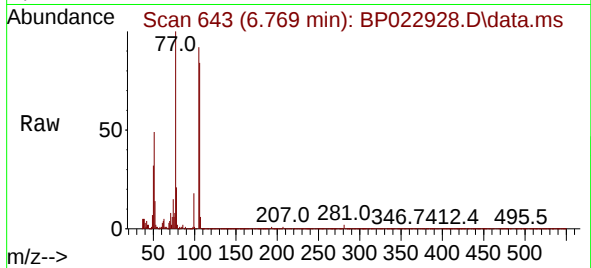




#9
Benzaldehyde
Concen: 13.982 ng
RT: 6.769 min Scan# 641
Delta R.T. 0.012 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

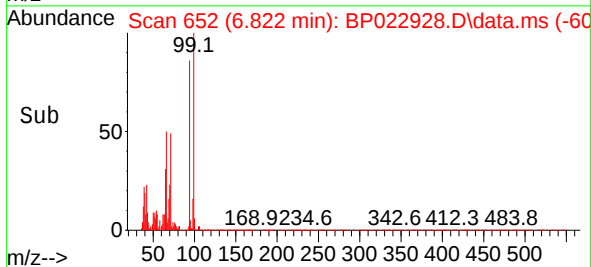
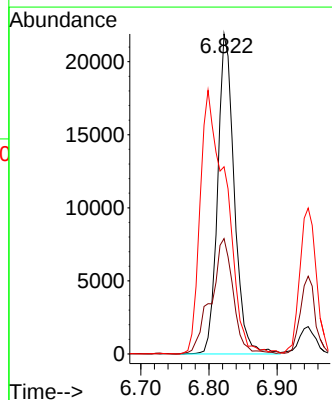
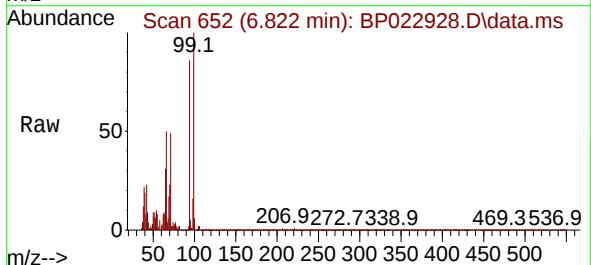
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ClientSampleId :
LOQ-SOIL-02-QT4-2024

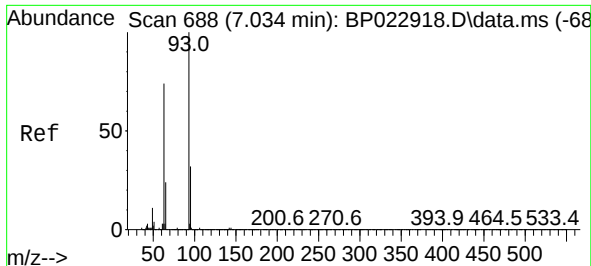
Tgt Ion: 77 Resp: 30740
Ion Ratio Lower Upper
77 100
105 91.7 71.4 111.4
106 84.0 69.9 109.9



#10
Phenol
Concen: 9.867 ng
RT: 6.822 min Scan# 652
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion: 94 Resp: 37173
Ion Ratio Lower Upper
94 100
65 36.1 12.9 52.9
66 58.5 30.0 70.0





#11

bis(2-Chloroethyl)ether

Concen: 10.091 ng

RT: 7.034 min Scan# 688

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

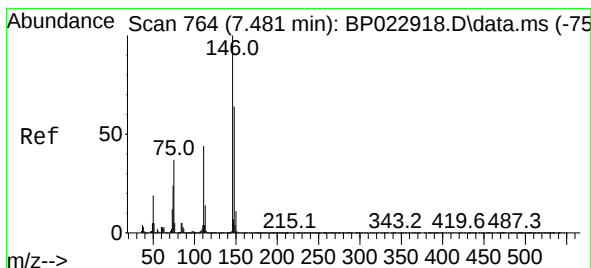
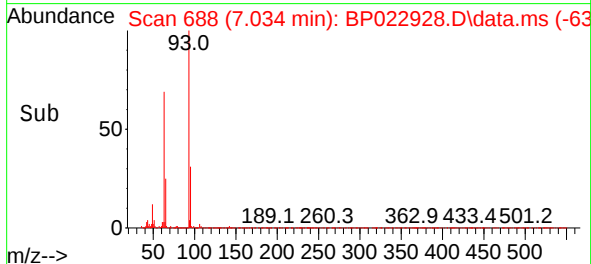
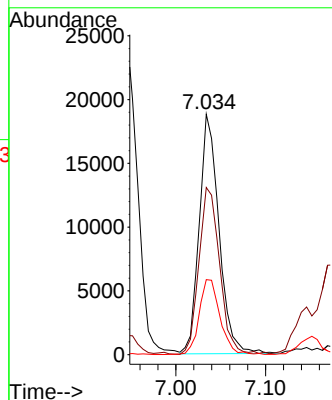
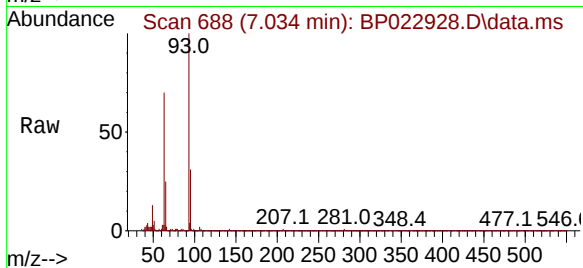
Tgt Ion: 93 Resp: 28724

Ion Ratio Lower Upper

93 100

63 69.5 53.6 93.6

95 31.2 12.1 52.1



#12

1,3-Dichlorobenzene

Concen: 9.959 ng

RT: 7.487 min Scan# 765

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

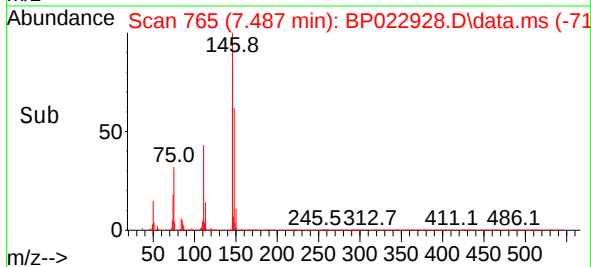
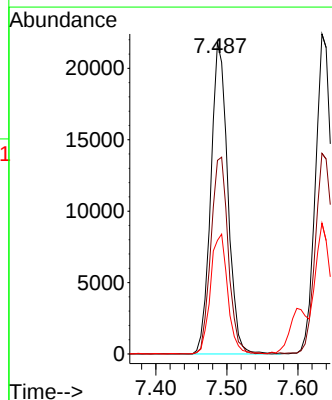
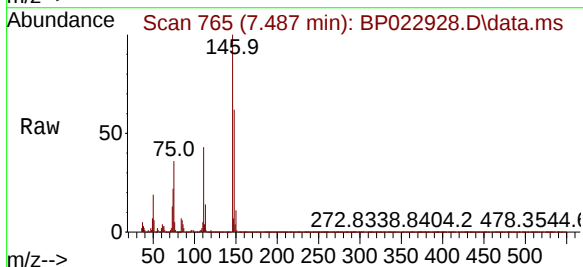
Tgt Ion:146 Resp: 36341

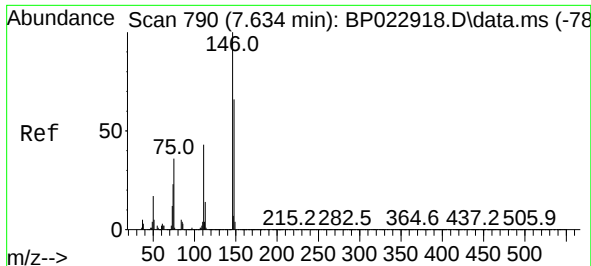
Ion Ratio Lower Upper

146 100

148 62.1 51.4 77.0

75 36.5 29.3 43.9





#13

1,4-Dichlorobenzene

Concen: 9.768 ng

RT: 7.634 min Scan# 790

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

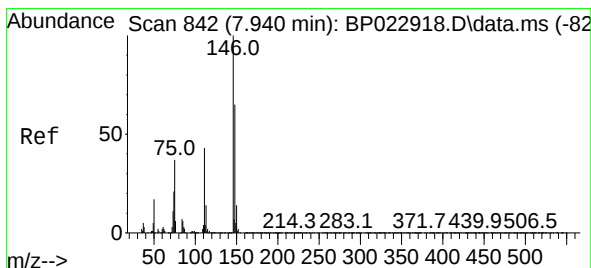
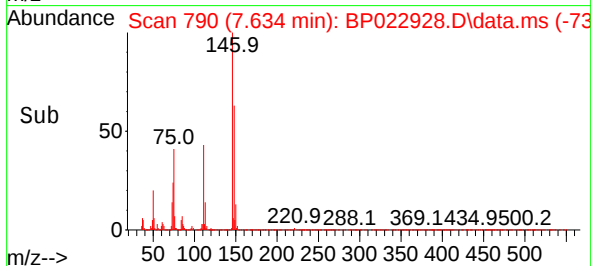
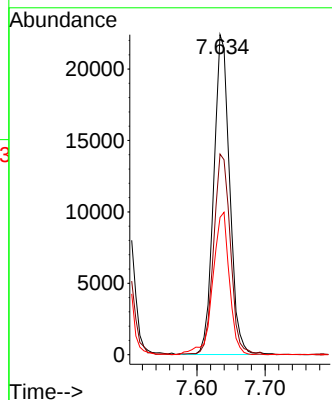
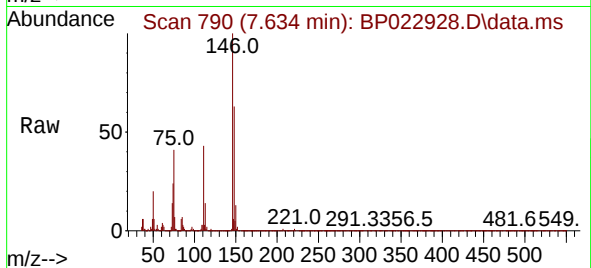
Tgt Ion:146 Resp: 36398

Ion Ratio Lower Upper

146 100

148 62.7 53.2 79.8

111 42.9 35.0 52.4



#14

1,2-Dichlorobenzene

Concen: 9.921 ng

RT: 7.946 min Scan# 843

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

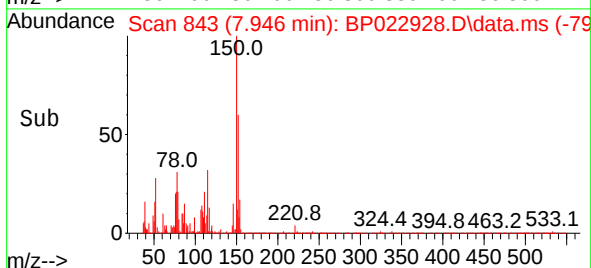
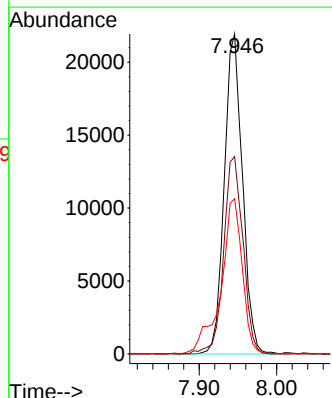
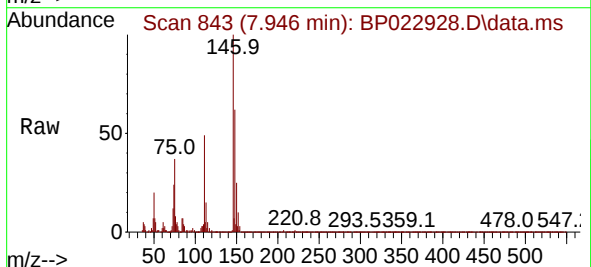
Tgt Ion:146 Resp: 35744

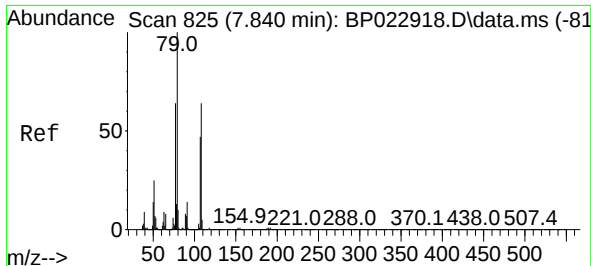
Ion Ratio Lower Upper

146 100

148 61.7 52.4 78.6

111 48.5 34.2 51.4





#15

Benzyl Alcohol

Concen: 8.540 ng

RT: 7.846 min Scan# 81

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

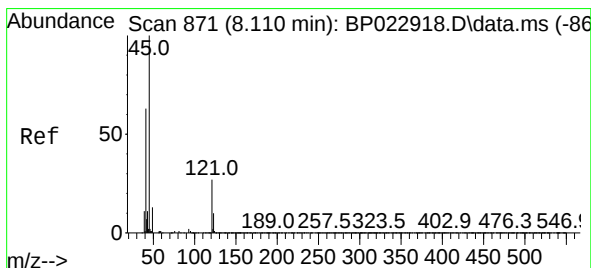
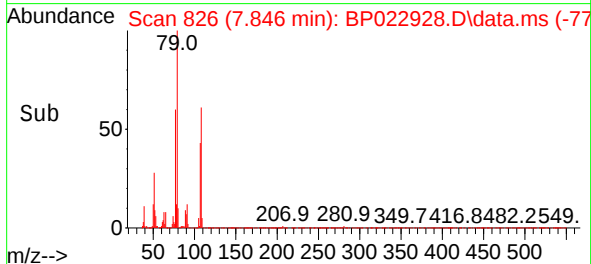
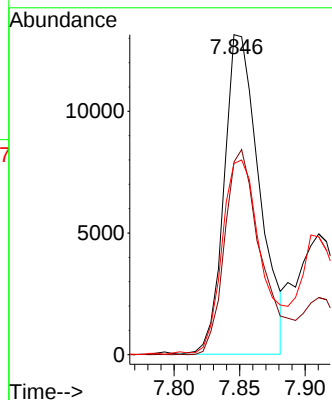
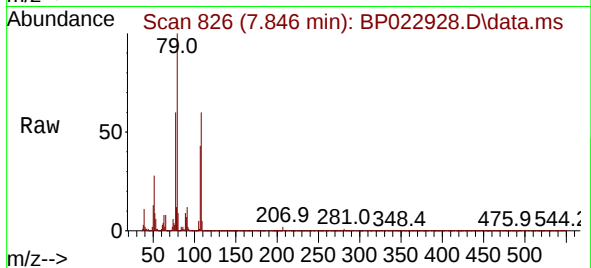
Tgt Ion: 79 Resp: 24608

Ion Ratio Lower Upper

79 100

108 60.2 51.2 76.8

77 59.8 51.3 76.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.891 ng

RT: 8.104 min Scan# 870

Delta R.T. -0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

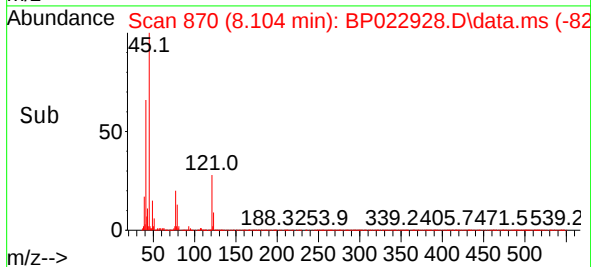
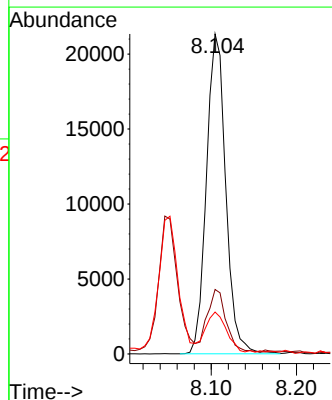
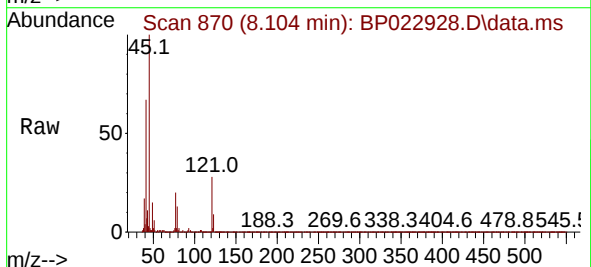
Tgt Ion: 45 Resp: 33633

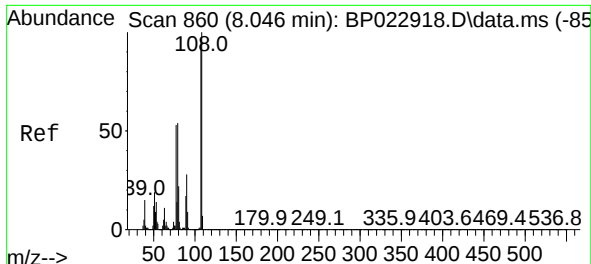
Ion Ratio Lower Upper

45 100

77 20.2 0.0 39.5

79 13.1 0.0 34.9

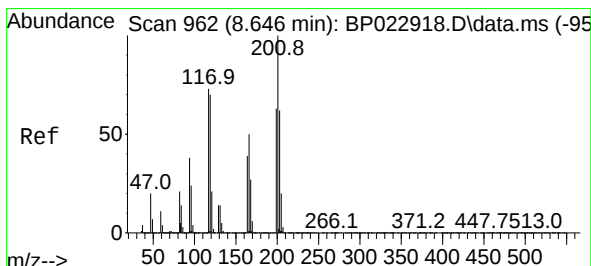
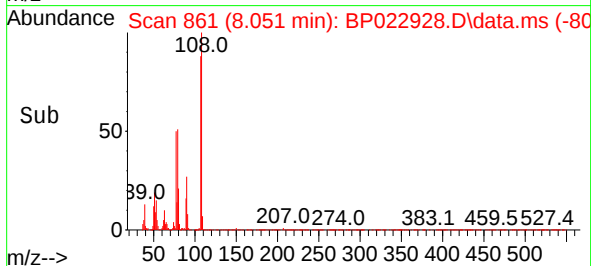
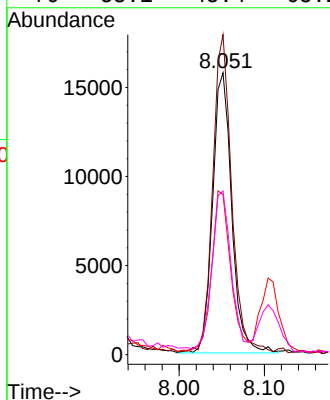
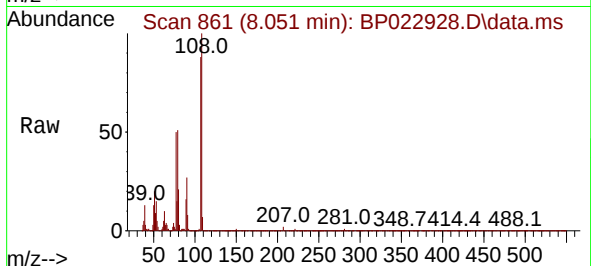




#17
2-Methylphenol
Concen: 9.599 ng
RT: 8.051 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

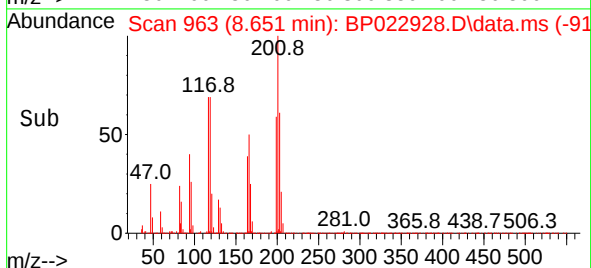
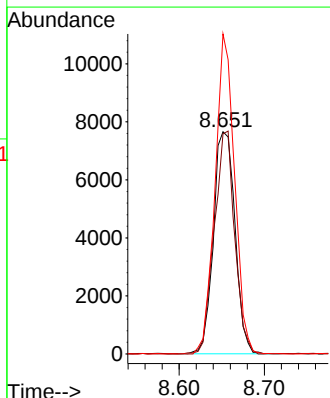
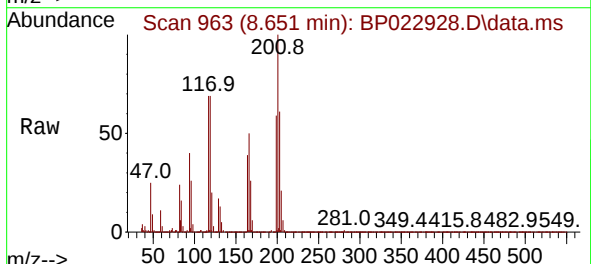
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

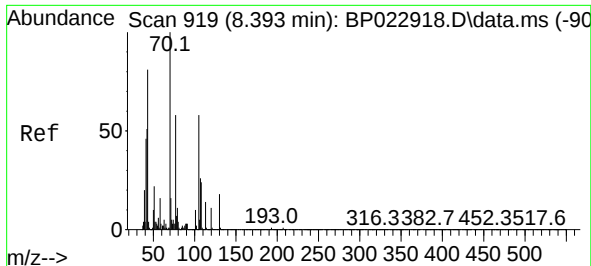
Tgt Ion:	107	Resp:	24548
Ion	Ratio	Lower	Upper
107	100		
108	113.5	83.7	125.5
77	56.8	45.0	67.4
79	58.1	45.4	68.2



#18
Hexachloroethane
Concen: 9.768 ng
RT: 8.651 min Scan# 963
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion:	117	Resp:	13465
Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.7	115.1
201	144.0	110.0	165.0





#19

n-Nitroso-di-n-propylamine

Concen: 9.944 ng

RT: 8.393 min Scan# 919

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion: 70 Resp: 25892

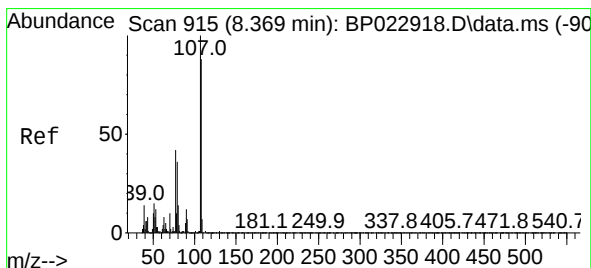
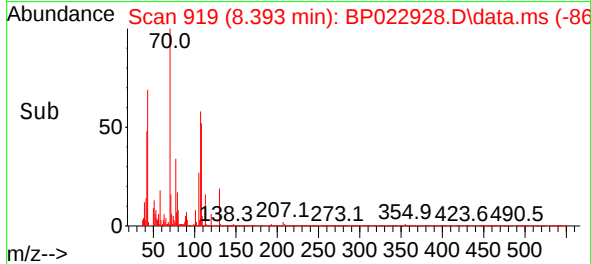
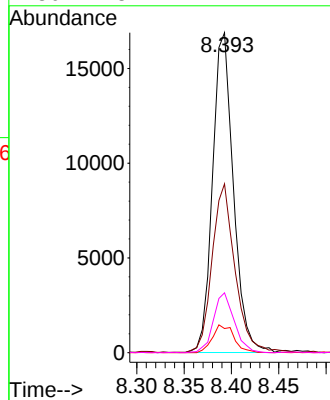
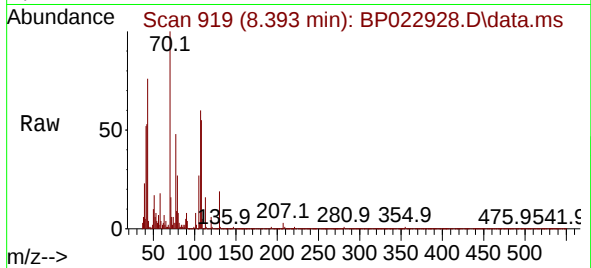
Ion Ratio Lower Upper

70 100

42 52.7 41.0 61.6

101 7.5 7.8 11.6#

130 18.7 14.7 22.1



#20

3+4-Methylphenols

Concen: 9.257 ng

RT: 8.381 min Scan# 917

Delta R.T. 0.012 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Tgt Ion:107 Resp: 33087

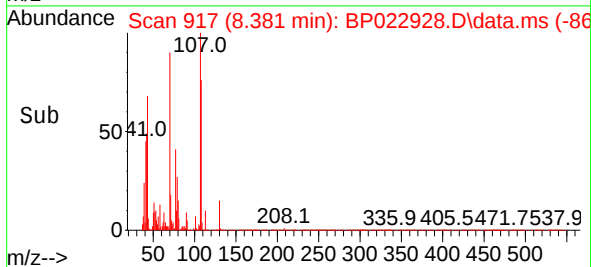
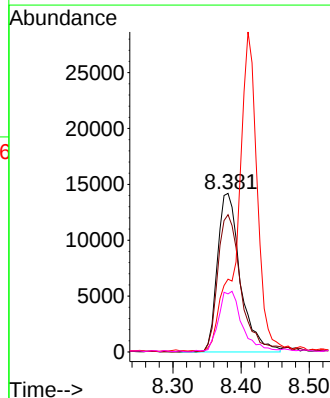
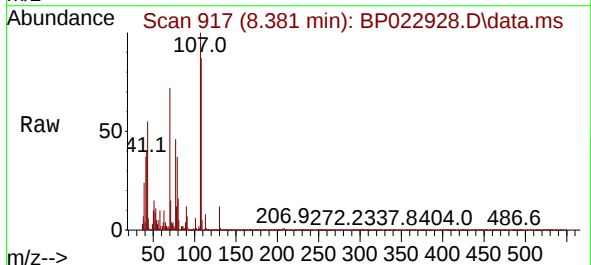
Ion Ratio Lower Upper

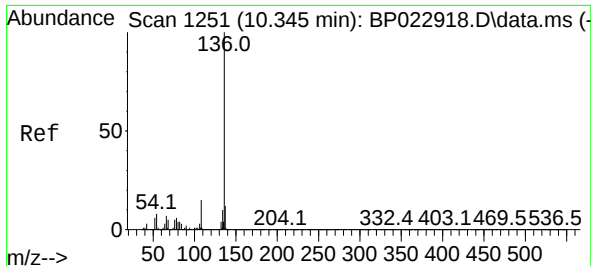
107 100

108 86.6 67.6 107.6

77 46.0 22.6 62.6

79 36.6 16.7 56.7

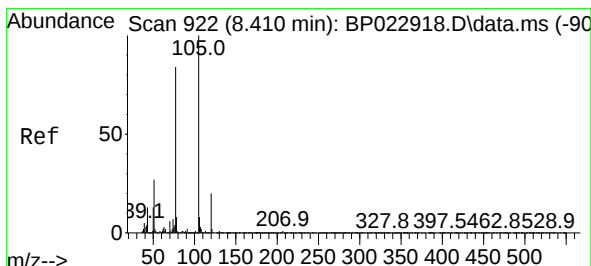
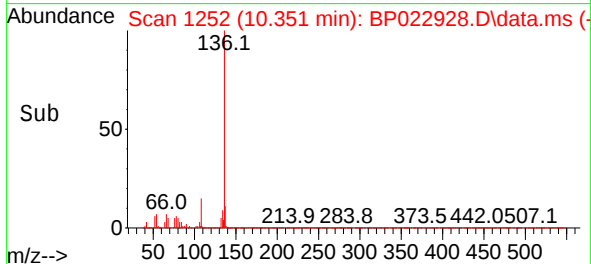
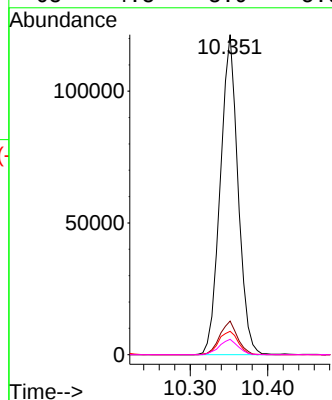
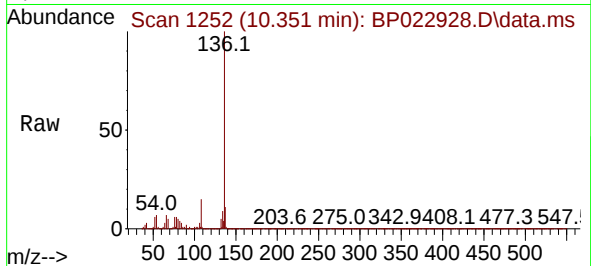




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.351 min Scan# 1251
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

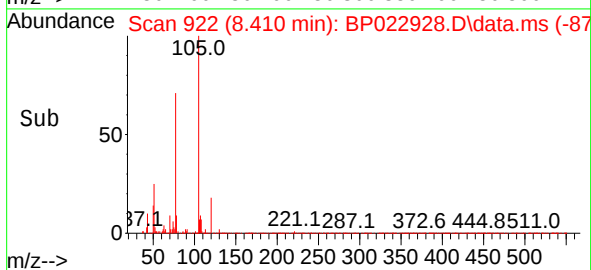
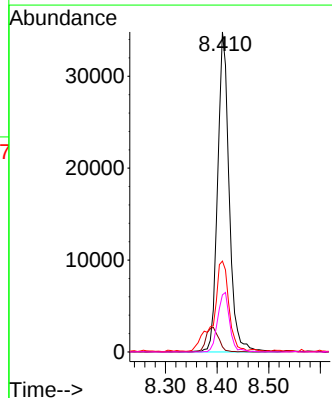
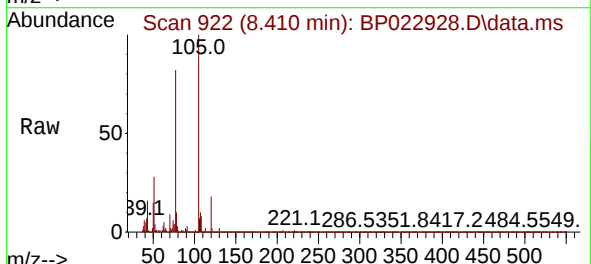
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

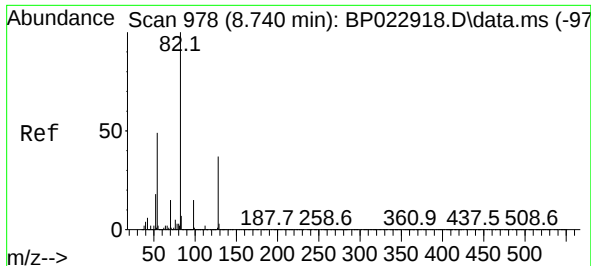
Tgt Ion:	136	Resp:	193021
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.4	14.0
54	7.3	6.4	9.6
68	4.8	3.9	5.9



#22
Acetophenone
Concen: 10.492 ng
RT: 8.410 min Scan# 922
Delta R.T. 0.000 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion:	105	Resp:	53904
Ion	Ratio	Lower	Upper
105	100		
71	1.6	0.7	1.1#
51	28.4	21.7	32.5
120	17.9	16.4	24.6

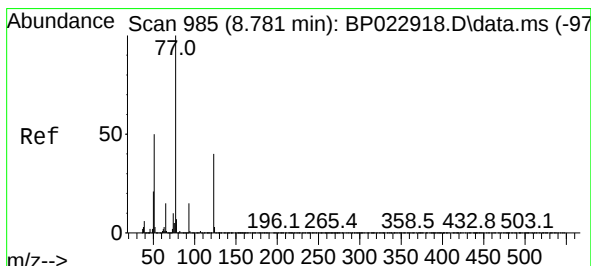
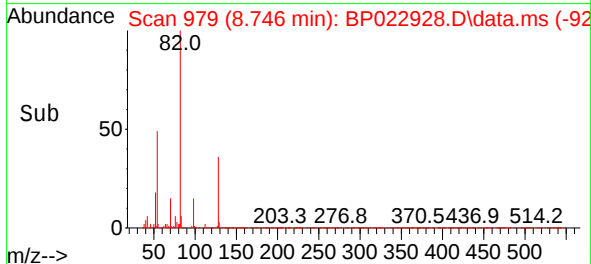
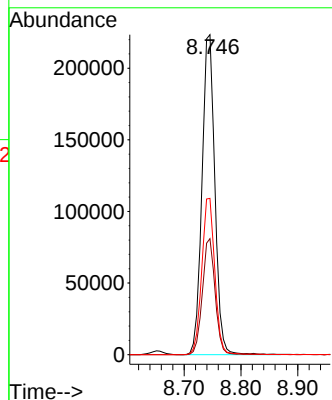
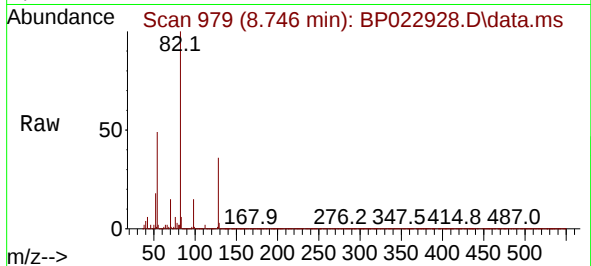




#23
Nitrobenzene-d5
Concen: 86.166 ng
RT: 8.746 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

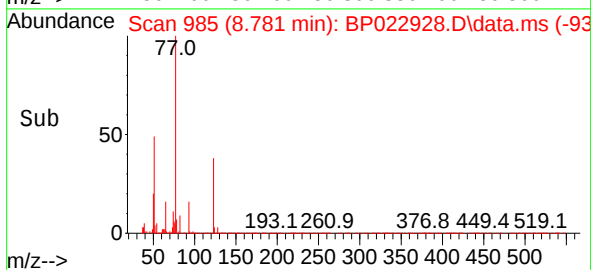
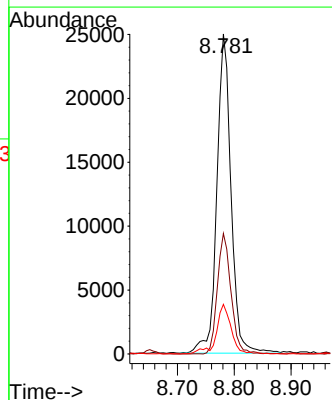
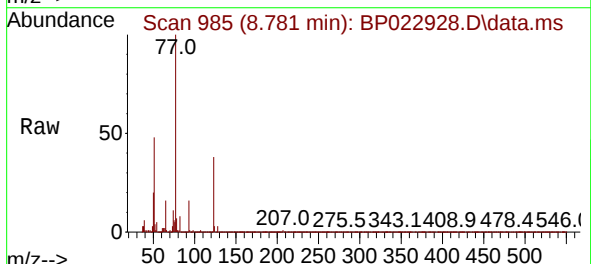
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

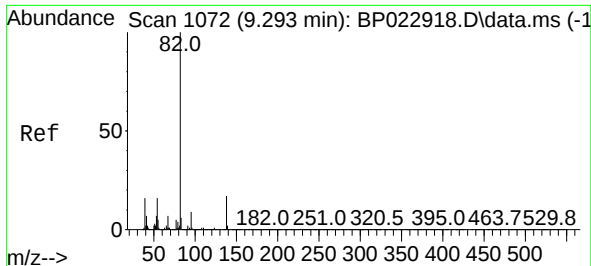
Tgt Ion: 82 Resp: 352040
Ion Ratio Lower Upper
82 100
128 36.3 29.8 44.8
54 48.9 39.0 58.4



#24
Nitrobenzene
Concen: 10.423 ng
RT: 8.781 min Scan# 985
Delta R.T. 0.000 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion: 77 Resp: 43255
Ion Ratio Lower Upper
77 100
123 37.6 32.2 48.4
65 15.5 11.7 17.5

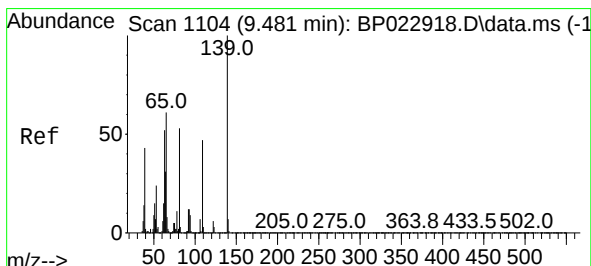
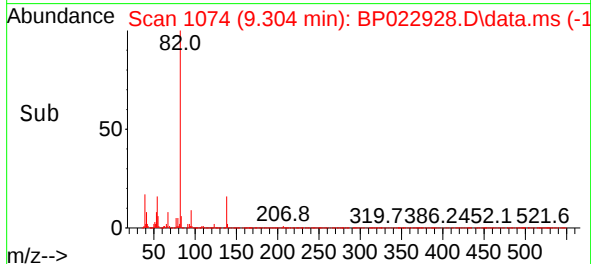
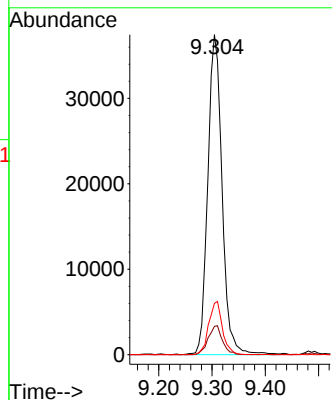
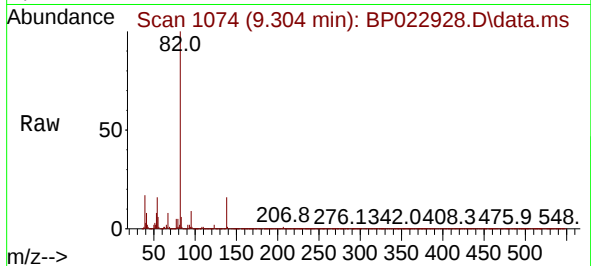




#25
Isophorone
Concen: 10.078 ng
RT: 9.304 min Scan# 1105
Delta R.T. 0.012 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

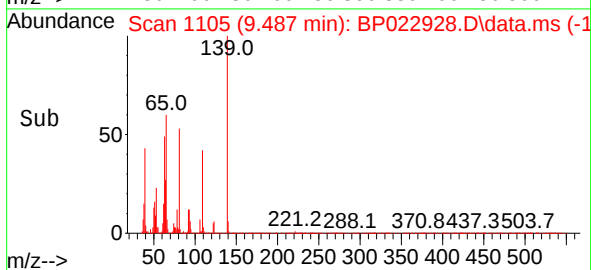
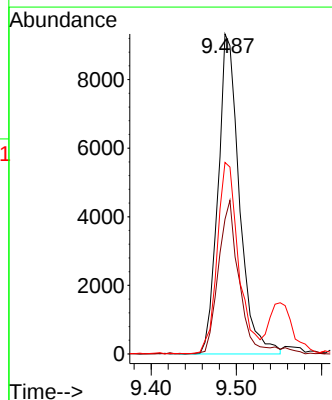
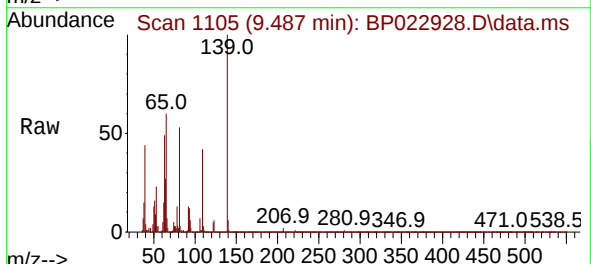
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

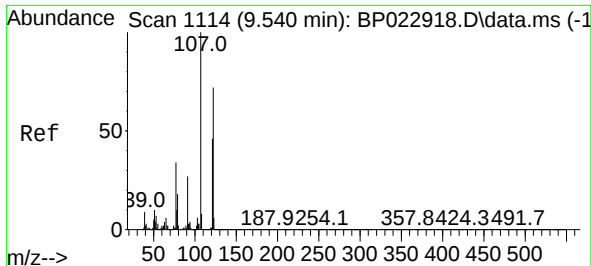
Tgt Ion: 82 Resp: 69686
Ion Ratio Lower Upper
82 100
95 8.8 7.4 11.2
138 16.1 13.7 20.5



#26
2-Nitrophenol
Concen: 9.532 ng
RT: 9.487 min Scan# 1105
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion: 139 Resp: 16245
Ion Ratio Lower Upper
139 100
109 42.1 37.8 56.8
65 59.8 48.6 73.0

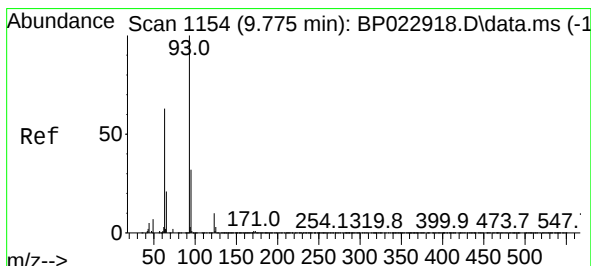
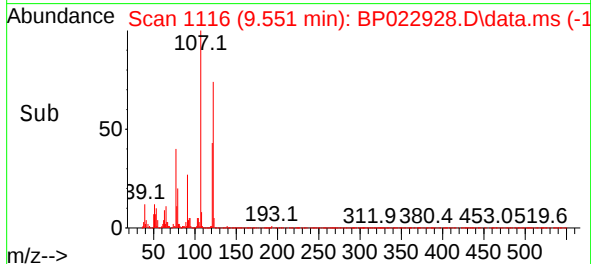
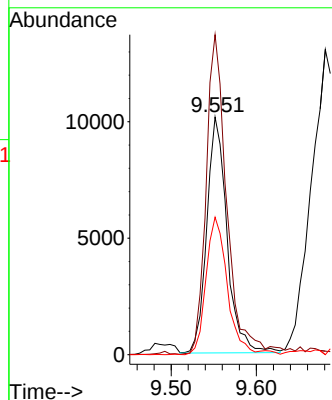
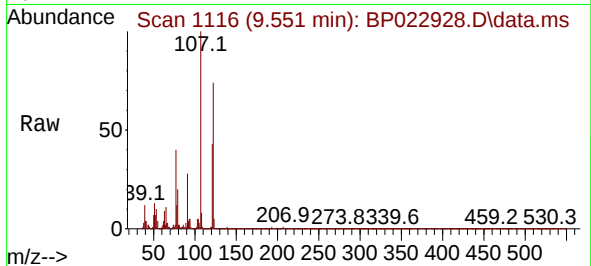




#27
2,4-Dimethylphenol
Concen: 8.620 ng
RT: 9.551 min Scan# 1116
Delta R.T. 0.012 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

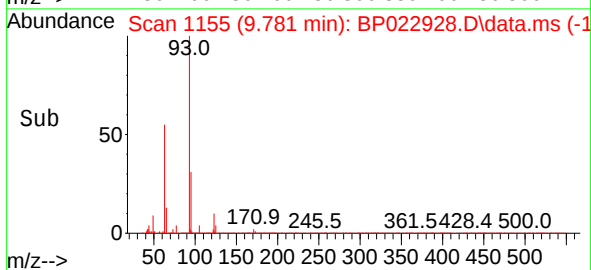
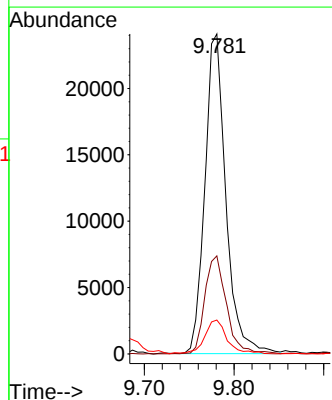
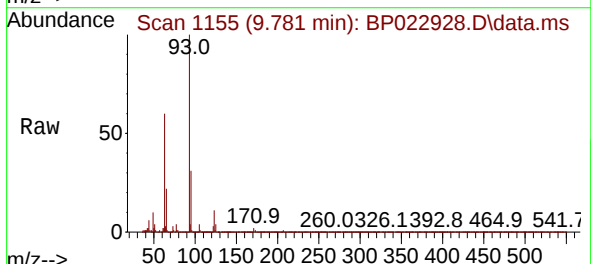
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

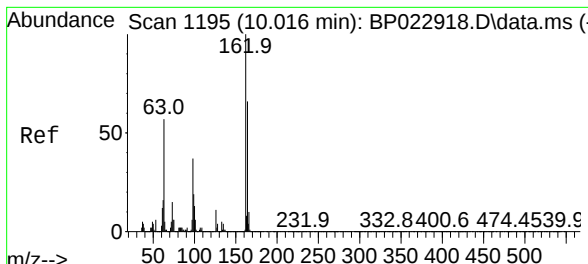
Tgt Ion:122 Resp: 16775
Ion Ratio Lower Upper
122 100
107 134.7 109.8 164.6
121 57.9 50.5 75.7



#28
bis(2-Chloroethoxy)methane
Concen: 9.969 ng
RT: 9.781 min Scan# 1155
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion: 93 Resp: 39156
Ion Ratio Lower Upper
93 100
95 30.6 25.4 38.2
123 10.6 8.6 13.0

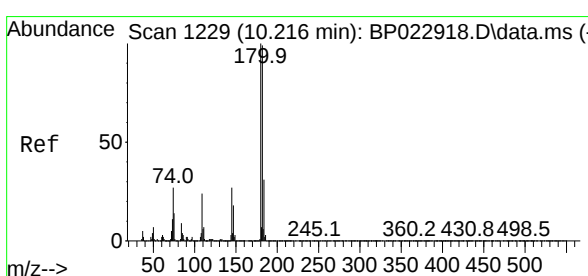
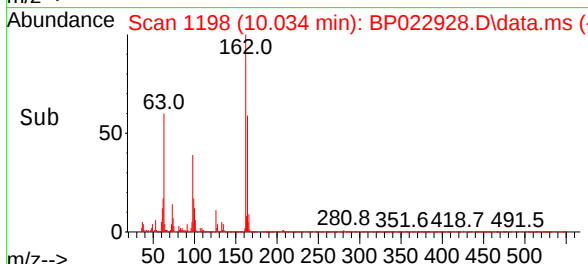
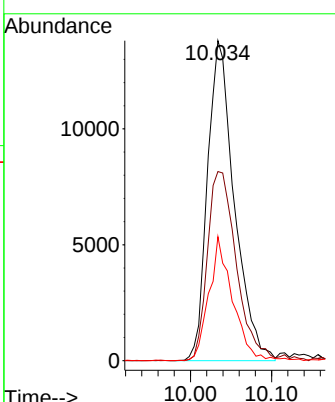
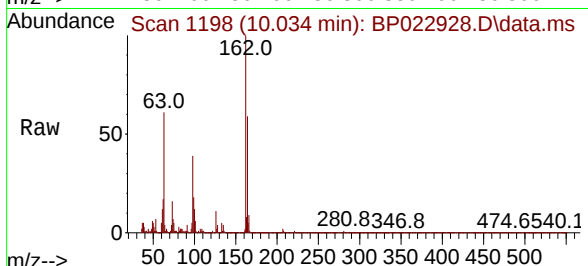




#29
2,4-Dichlorophenol
Concen: 9.408 ng
RT: 10.034 min Scan# 1195
Delta R.T. 0.018 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

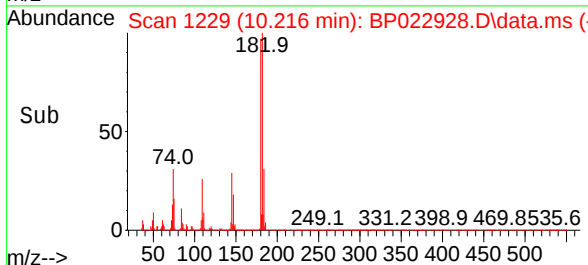
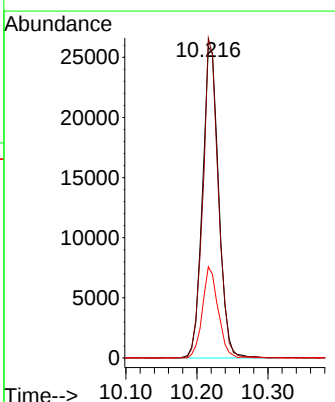
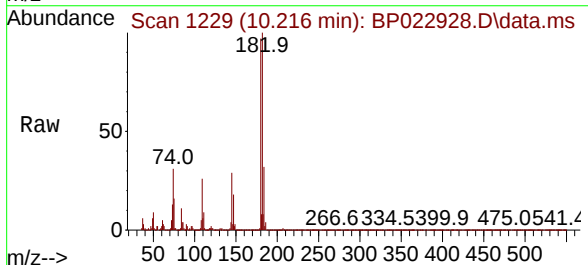
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

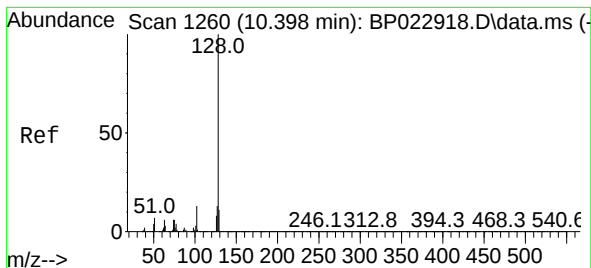
Tgt Ion:	162	Resp:	31692
Ion Ratio	Lower	Upper	
162	100		
164	59.1	46.0	86.0
98	38.8	16.7	56.7



#30
1,2,4-Trichlorobenzene
Concen: 9.551 ng
RT: 10.216 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion:	180	Resp:	41131
Ion Ratio	Lower	Upper	
180	100		
182	102.8	79.4	119.2
145	29.3	21.6	32.4





#31

Naphthalene

Concen: 9.990 ng

RT: 10.398 min Scan# 1118

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

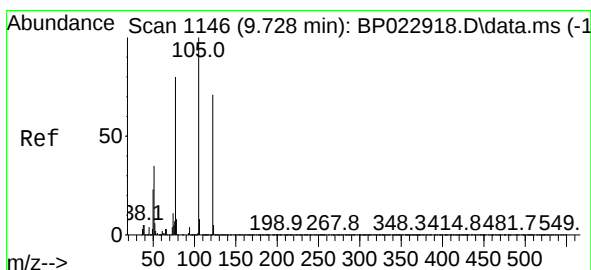
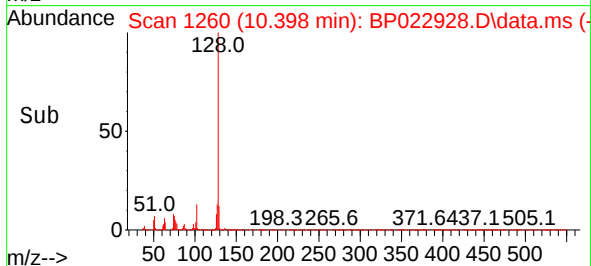
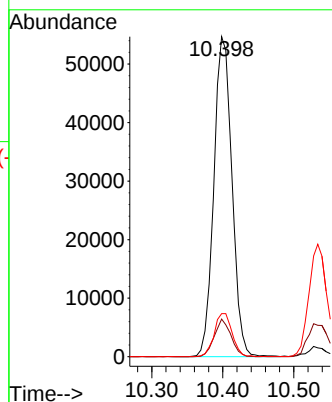
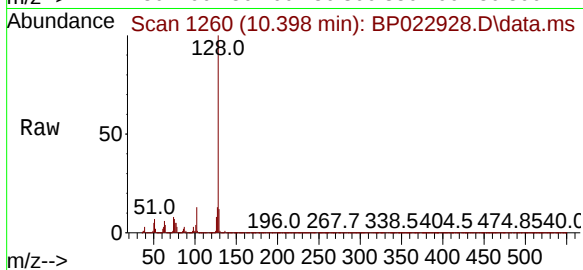
Tgt Ion:128 Resp: 96619

Ion Ratio Lower Upper

128 100

129 11.7 8.6 12.8

127 13.5 10.6 16.0



#32

Benzoic acid

Concen: 13.994 ng

RT: 9.681 min Scan# 1138

Delta R.T. -0.047 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

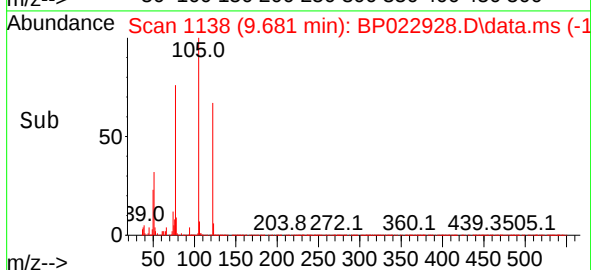
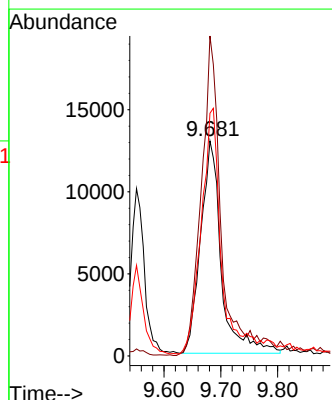
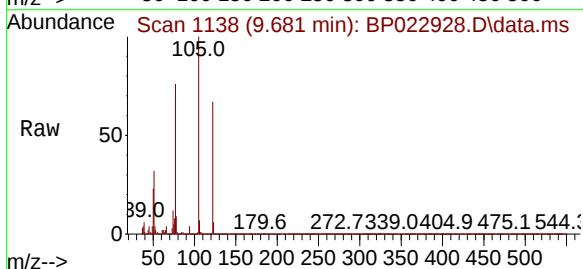
Tgt Ion:122 Resp: 32701

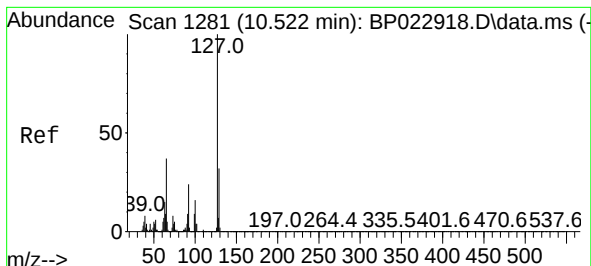
Ion Ratio Lower Upper

122 100

105 148.8 119.9 159.9

77 112.9 92.2 132.2





#33

4-Chloroaniline

Concen: 10.475 ng

RT: 10.534 min Scan# 11

Delta R.T. 0.012 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:127 Resp: 36058

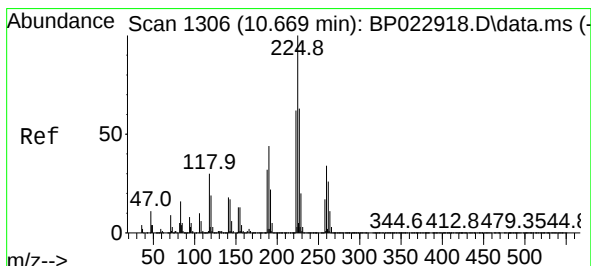
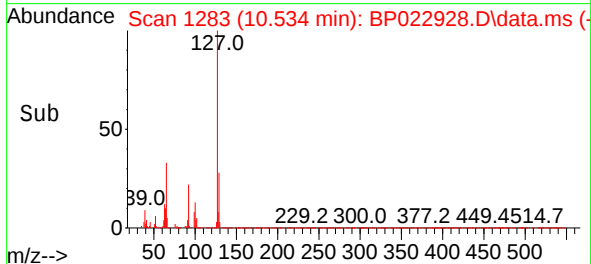
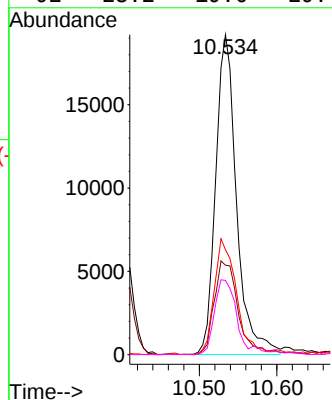
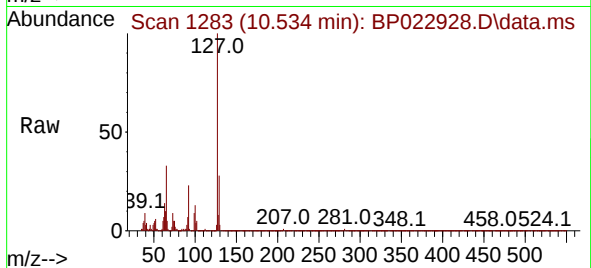
Ion Ratio Lower Upper

127 100

129 28.0 25.2 37.8

65 32.8 29.7 44.5

92 23.2 19.6 29.4



#34

Hexachlorobutadiene

Concen: 9.475 ng

RT: 10.675 min Scan# 1307

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

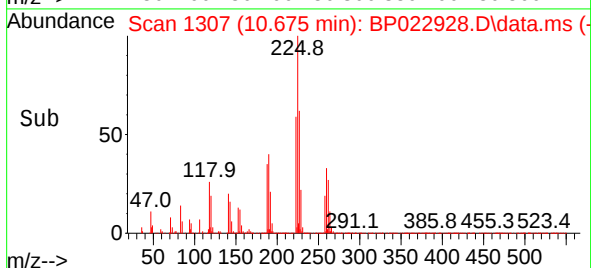
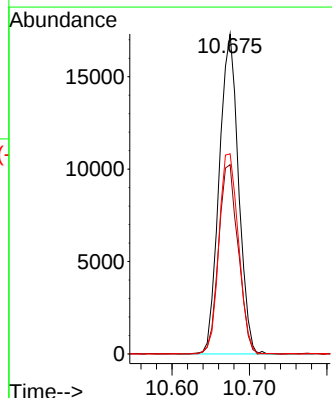
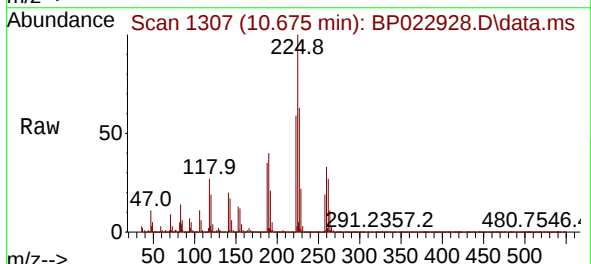
Tgt Ion:225 Resp: 29927

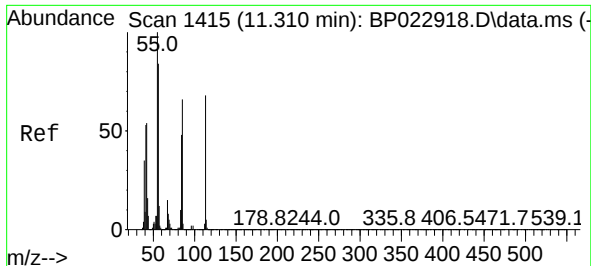
Ion Ratio Lower Upper

225 100

223 59.1 49.8 74.6

227 62.6 50.5 75.7





#35

Caprolactam

Concen: 9.397 ng

RT: 11.316 min Scan# 1416

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

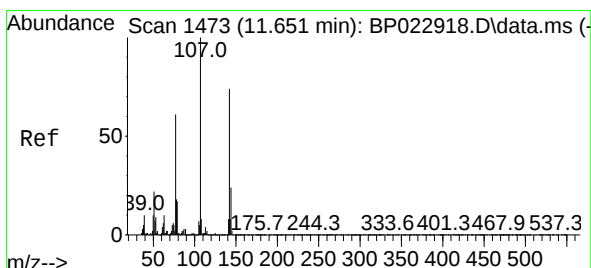
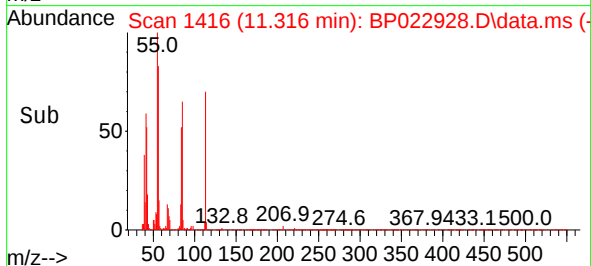
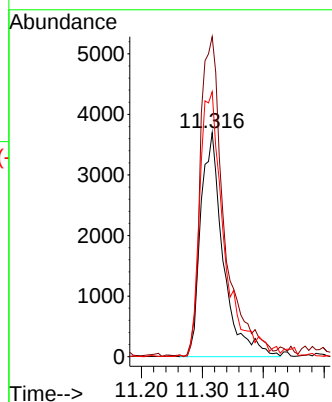
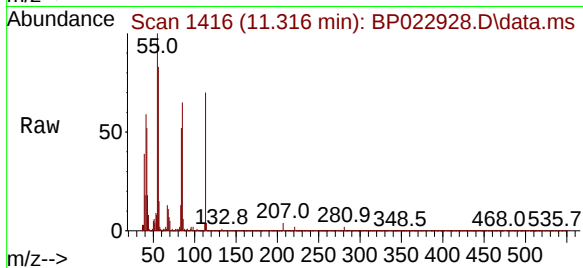
Tgt Ion:113 Resp: 9476

Ion Ratio Lower Upper

113 100

55 142.8 127.4 167.4

56 118.3 103.5 143.5



#36

4-Chloro-3-methylphenol

Concen: 9.370 ng

RT: 11.663 min Scan# 1475

Delta R.T. 0.012 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

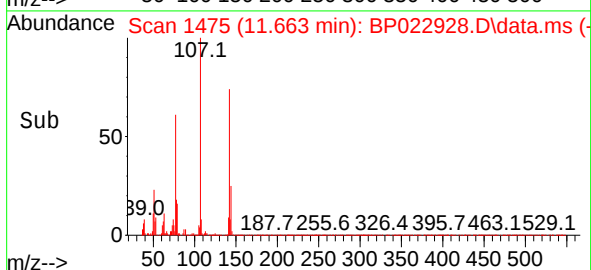
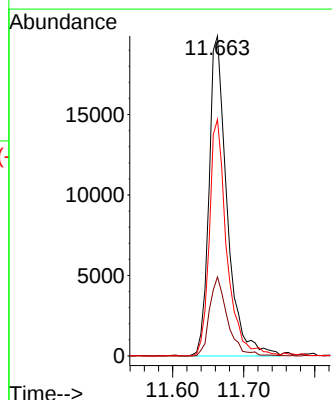
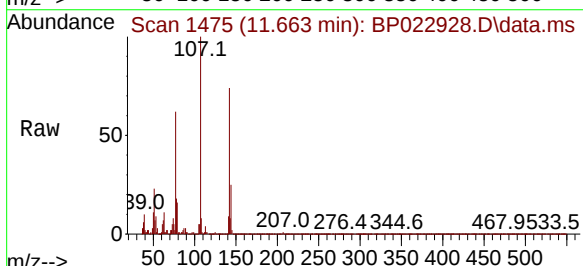
Tgt Ion:107 Resp: 35191

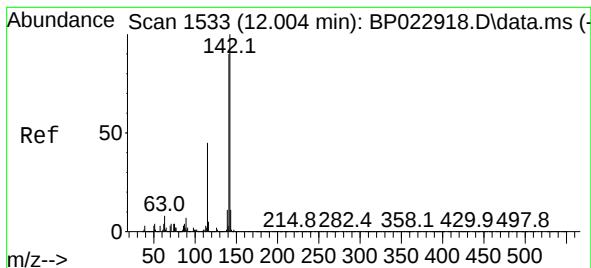
Ion Ratio Lower Upper

107 100

144 24.7 19.4 29.0

142 73.9 59.5 89.3

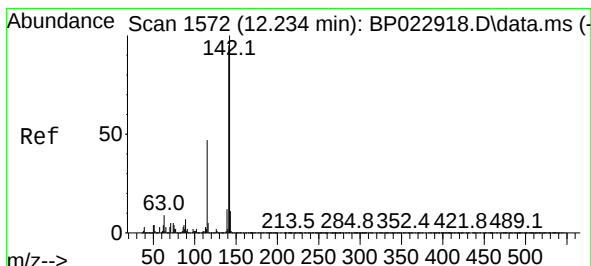
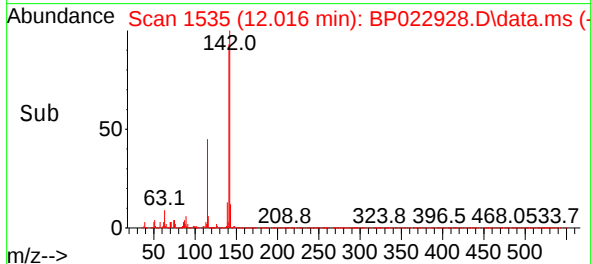
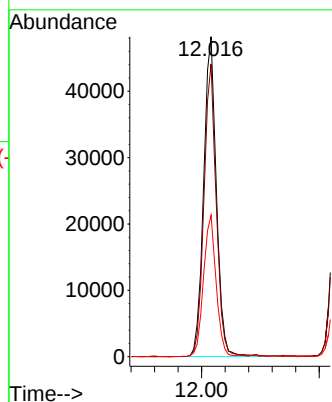
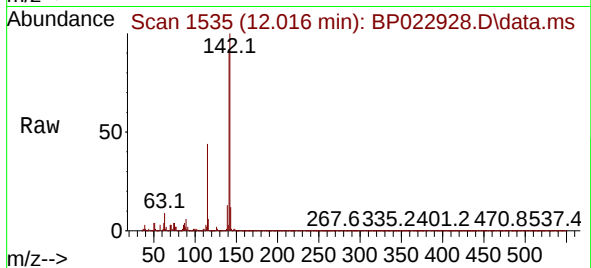




#37
2-Methylnaphthalene
Concen: 9.992 ng
RT: 12.016 min Scan# 1535
Delta R.T. 0.012 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

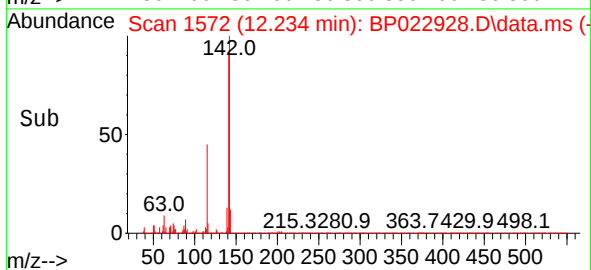
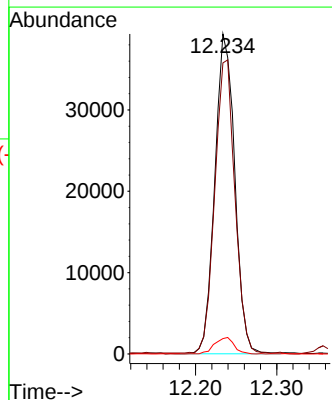
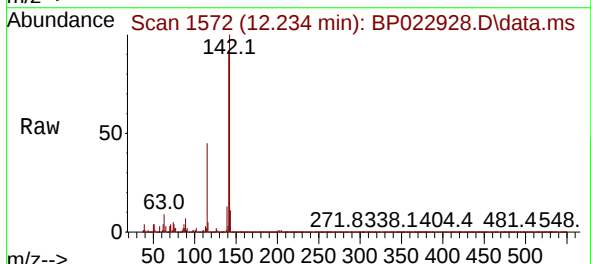
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

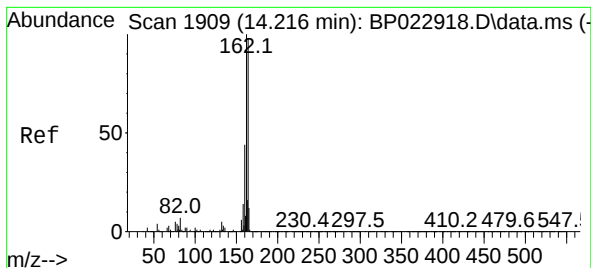
Tgt Ion:142 Resp: 72375
Ion Ratio Lower Upper
142 100
141 91.5 72.2 108.4
115 44.2 35.9 53.9



#38
1-Methylnaphthalene
Concen: 9.339 ng
RT: 12.234 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion:142 Resp: 67144
Ion Ratio Lower Upper
142 100
141 91.0 75.8 113.8
116 4.8 3.8 5.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.222 min Scan# 1910

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

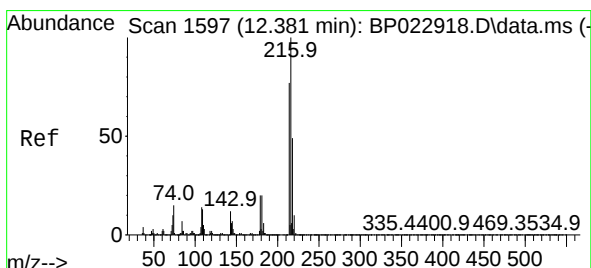
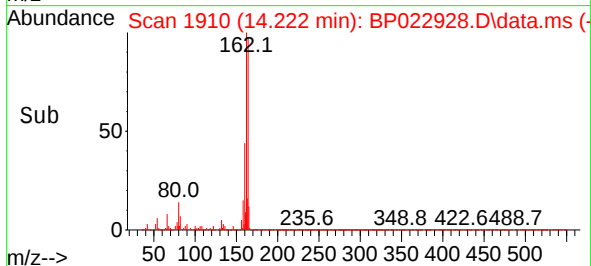
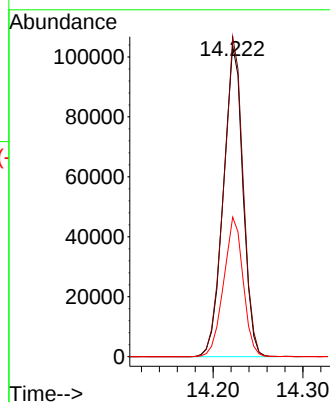
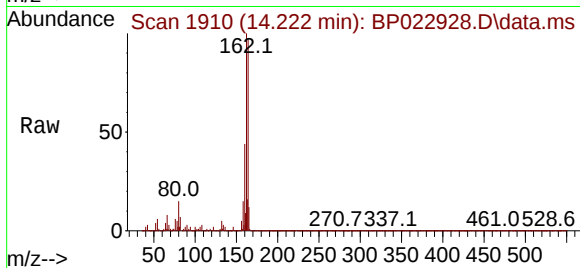
Tgt Ion:164 Resp: 157110

Ion Ratio Lower Upper

164 100

162 102.9 81.8 122.8

160 44.8 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.224 ng

RT: 12.387 min Scan# 1598

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Tgt Ion:216 Resp: 54380

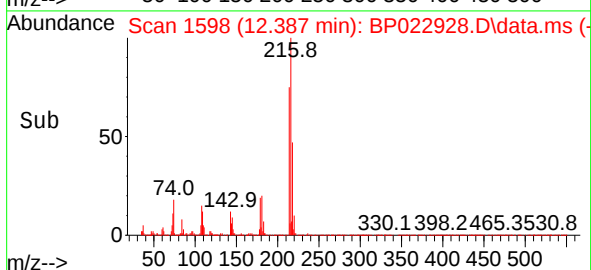
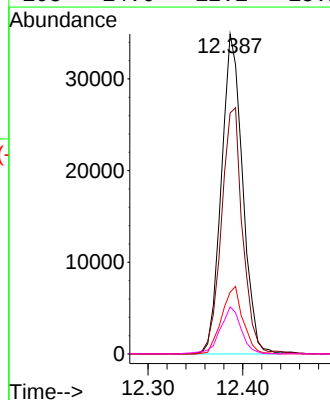
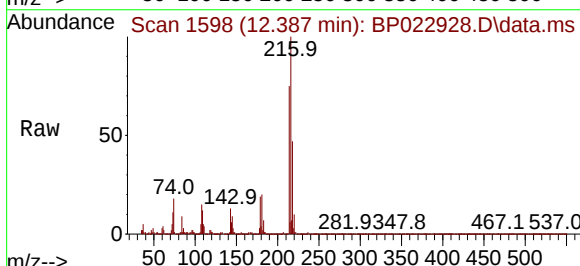
Ion Ratio Lower Upper

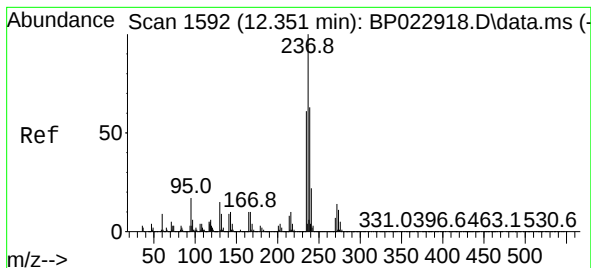
216 100

214 77.2 62.5 93.7

179 21.1 16.5 24.7

108 14.6 12.1 18.1





#41

Hexachlorocyclopentadiene

Concen: 8.397 ng

RT: 12.357 min Scan# 1593

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

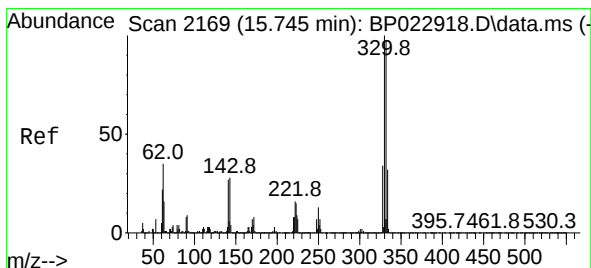
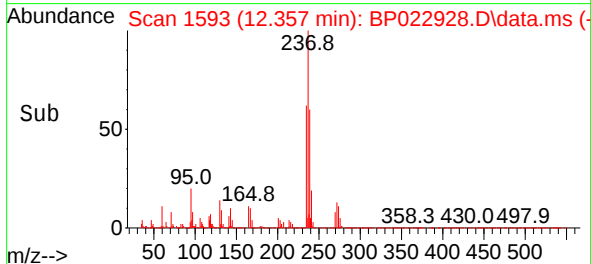
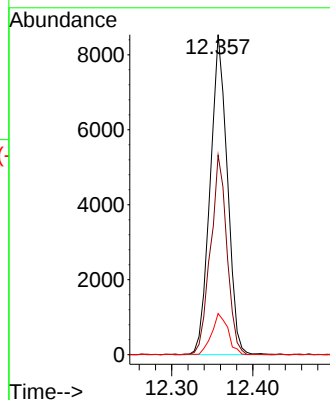
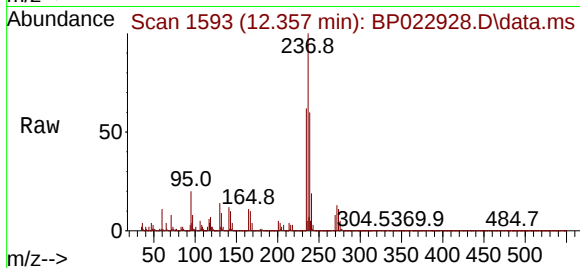
Tgt Ion:237 Resp: 12543

Ion Ratio Lower Upper

237 100

235 62.4 41.2 81.2

272 12.8 0.0 33.7



#42

2,4,6-Tribromophenol

Concen: 125.458 ng

RT: 15.745 min Scan# 2169

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

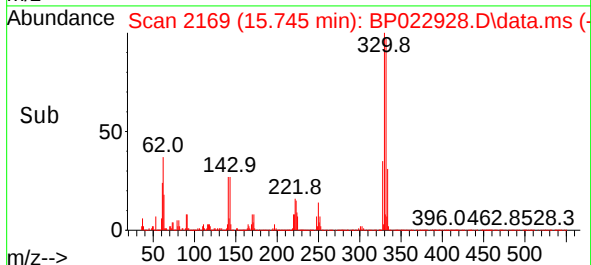
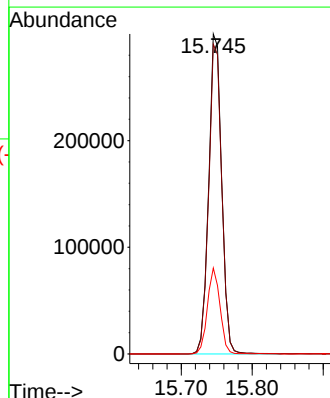
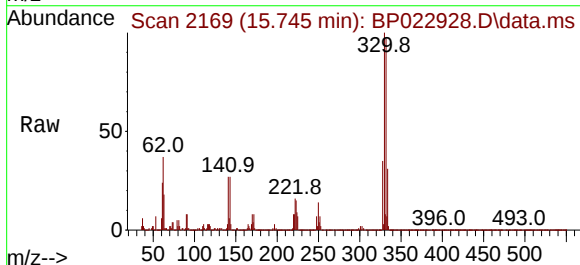
Tgt Ion:330 Resp: 382056

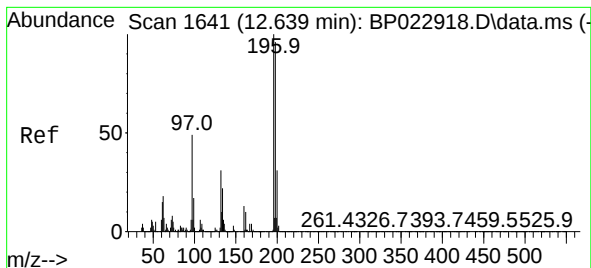
Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

141 26.1 21.6 32.4





#43

2,4,6-Trichlorophenol

Concen: 9.428 ng

RT: 12.639 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

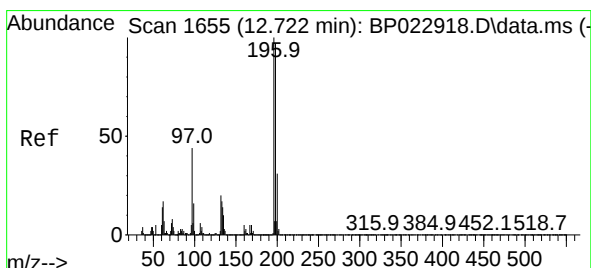
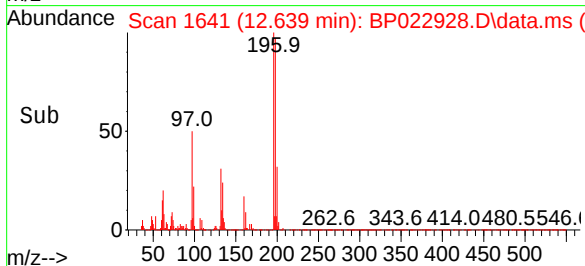
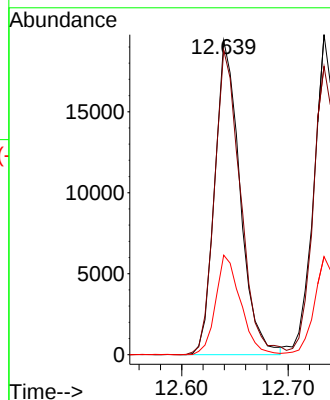
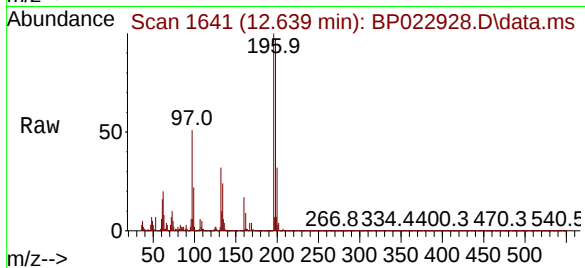
Tgt Ion:196 Resp: 31893

Ion Ratio Lower Upper

196 100

198 96.9 76.5 114.7

200 31.7 24.6 36.8



#44

2,4,5-Trichlorophenol

Concen: 9.287 ng

RT: 12.734 min Scan# 1657

Delta R.T. 0.012 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Tgt Ion:196 Resp: 35762

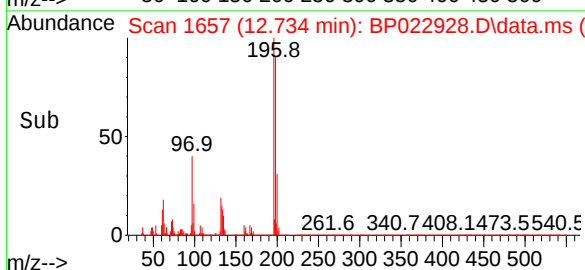
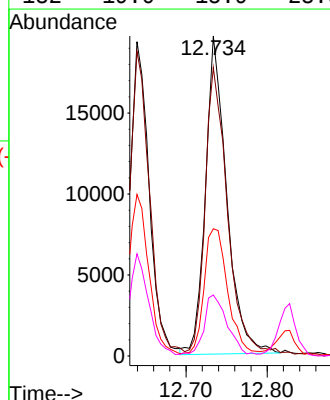
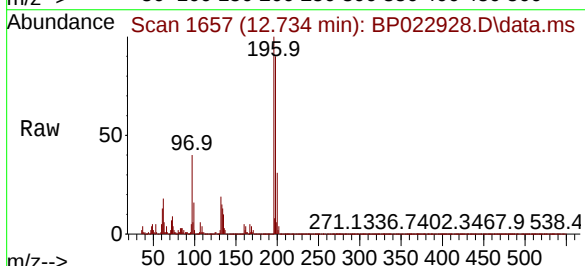
Ion Ratio Lower Upper

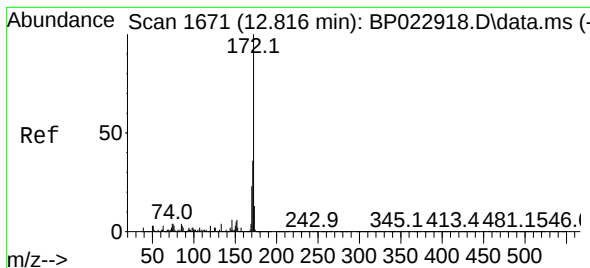
196 100

198 90.1 77.8 116.8

97 39.7 35.2 52.8

132 19.0 15.9 23.9





#45

2-Fluorobiphenyl

Concen: 83.923 ng

RT: 12.828 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

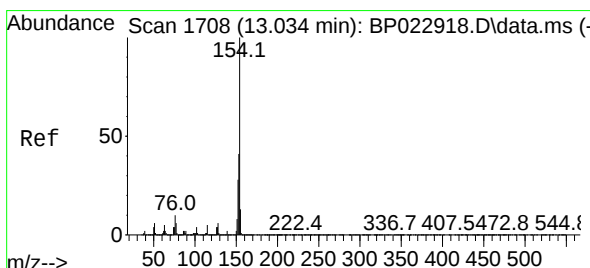
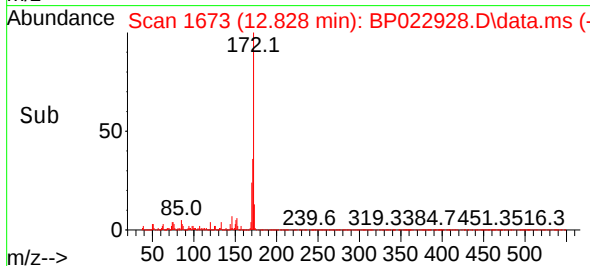
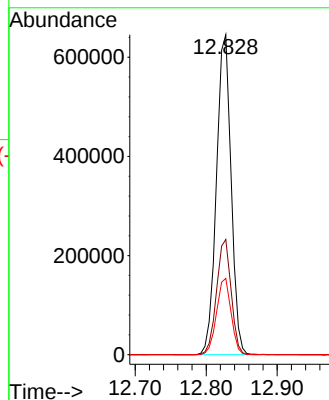
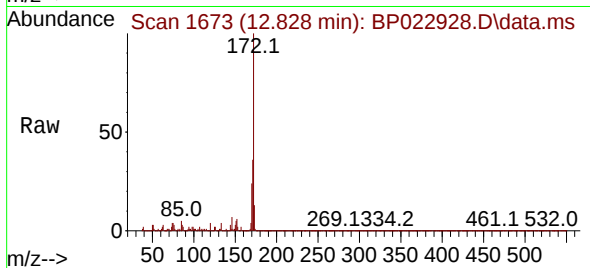
Tgt Ion:172 Resp: 922776

Ion Ratio Lower Upper

172 100

171 36.0 28.5 42.7

170 23.9 18.6 27.8



#46

1,1'-Biphenyl

Concen: 10.324 ng

RT: 13.034 min Scan# 1708

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

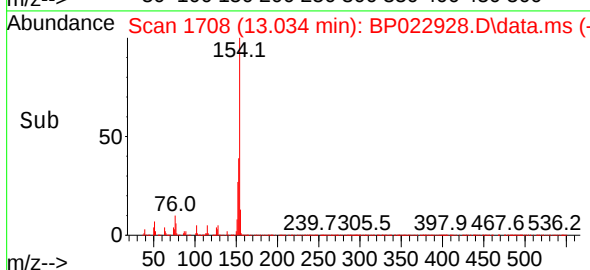
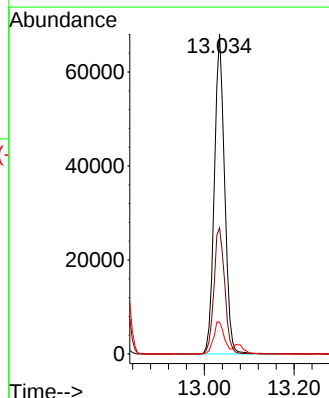
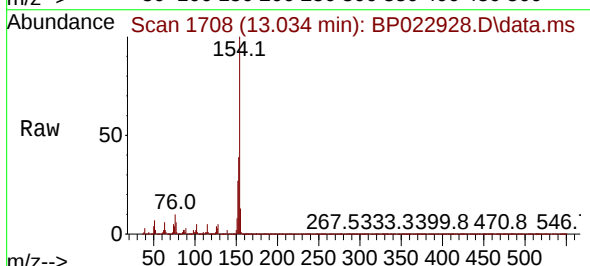
Tgt Ion:154 Resp: 107823

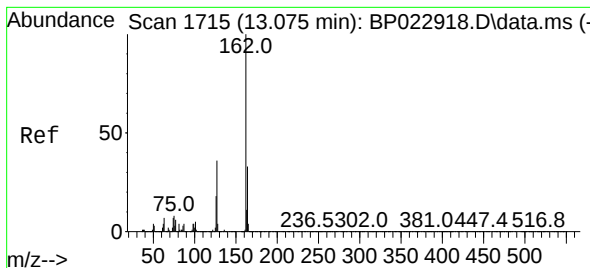
Ion Ratio Lower Upper

154 100

153 39.4 20.6 60.6

76 10.0 0.0 30.5





#47

2-Chloronaphthalene

Concen: 9.873 ng

RT: 13.075 min Scan# 1715

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

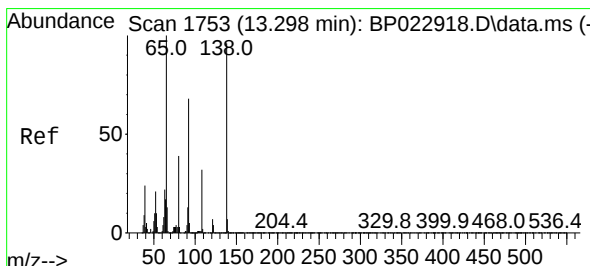
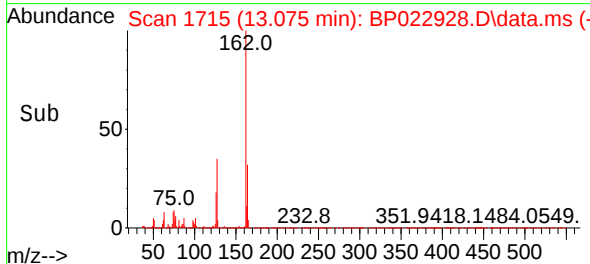
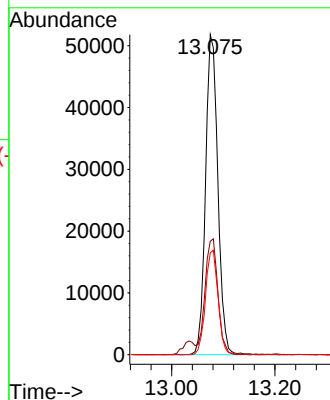
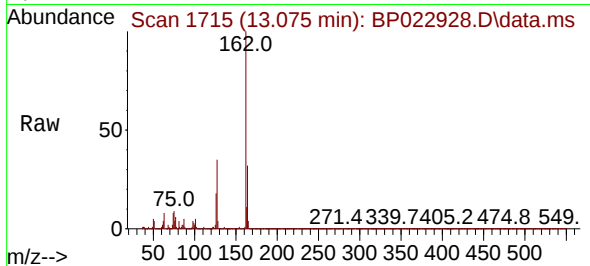
Tgt Ion:162 Resp: 85572

Ion Ratio Lower Upper

162 100

127 35.5 28.6 43.0

164 31.8 26.4 39.6



#48

2-Nitroaniline

Concen: 9.062 ng

RT: 13.304 min Scan# 1754

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

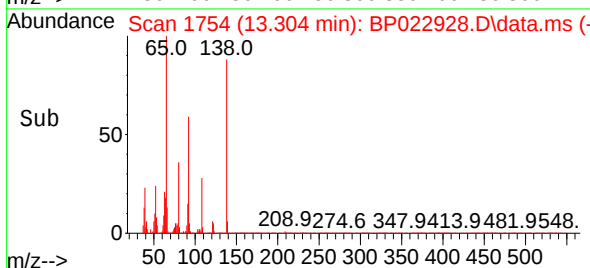
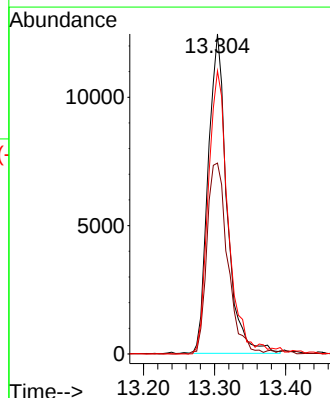
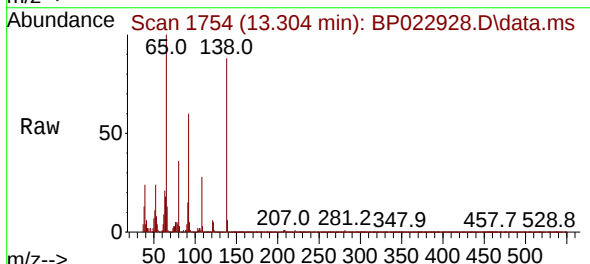
Tgt Ion: 65 Resp: 22884

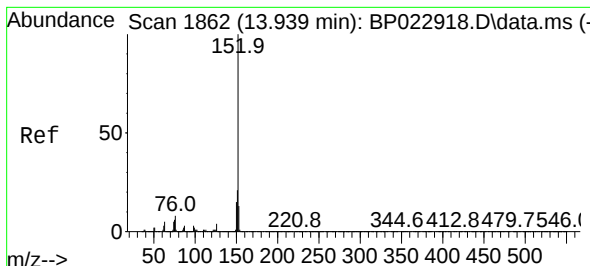
Ion Ratio Lower Upper

65 100

92 59.6 54.4 81.6

138 88.5 76.5 114.7





#49

Acenaphthylene

Concen: 10.788 ng

RT: 13.939 min Scan# 1862

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

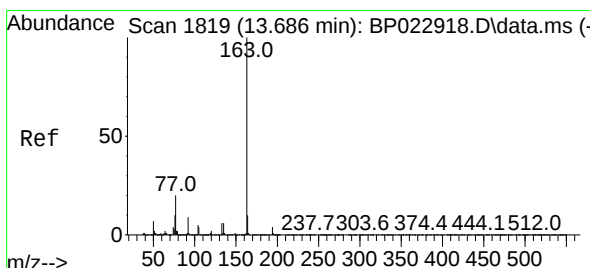
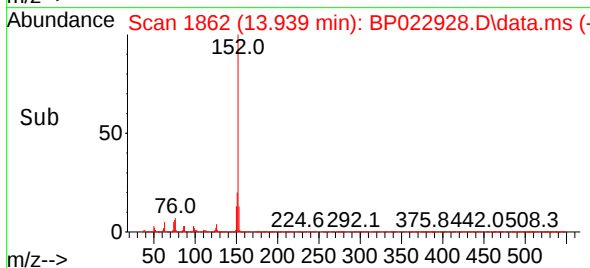
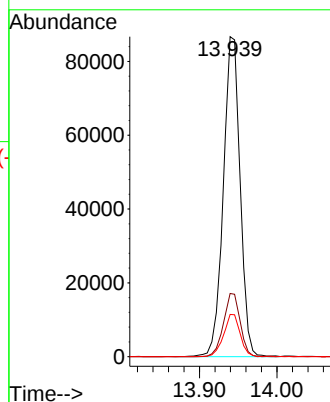
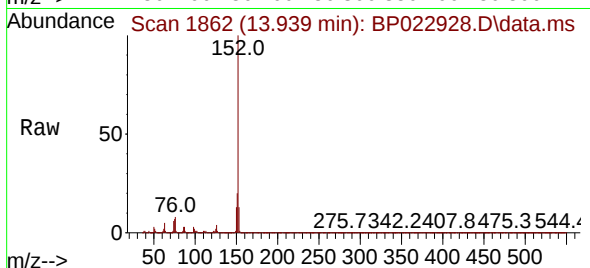
Tgt Ion:152 Resp: 130581

Ion Ratio Lower Upper

152 100

151 19.8 16.8 25.2

153 13.2 10.8 16.2



#50

Dimethylphthalate

Concen: 10.071 ng

RT: 13.669 min Scan# 1816

Delta R.T. -0.018 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

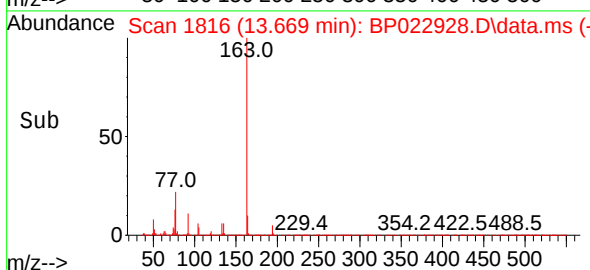
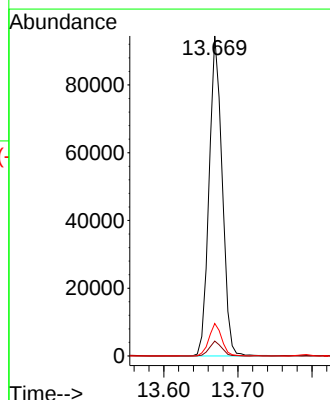
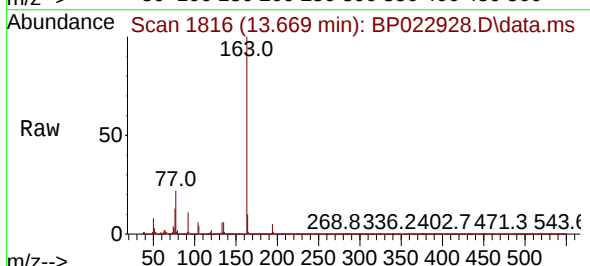
Tgt Ion:163 Resp: 115841

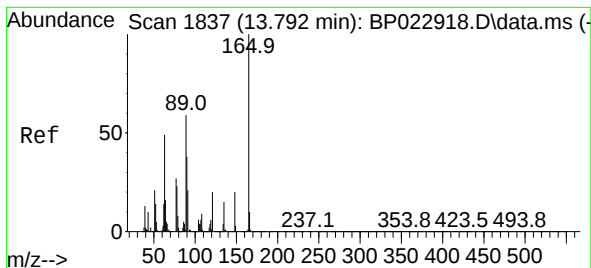
Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

164 10.2 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 9.070 ng

RT: 13.792 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

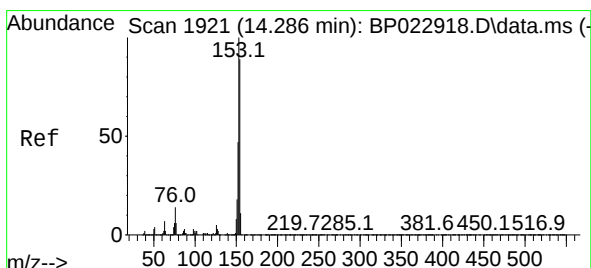
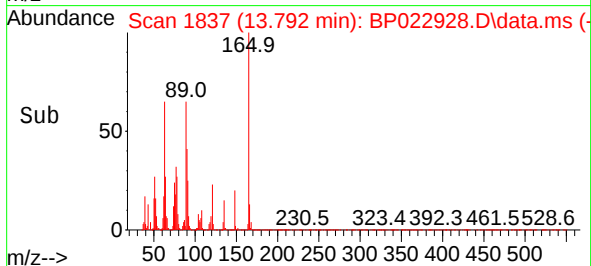
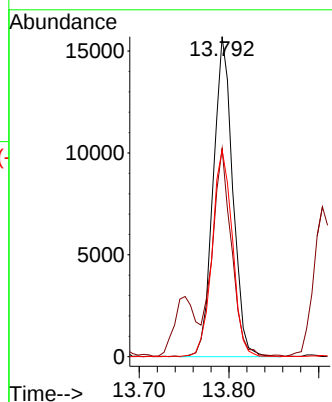
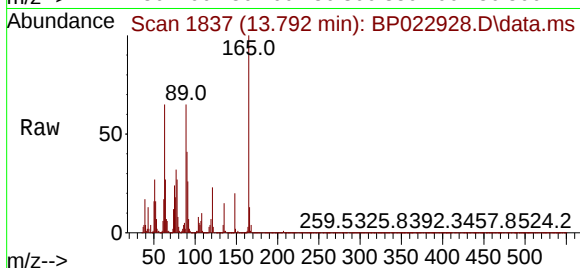
Tgt Ion:165 Resp: 23724

Ion Ratio Lower Upper

165 100

63 65.1 45.1 67.7

89 64.6 46.9 70.3



#52

Acenaphthene

Concen: 9.694 ng

RT: 14.286 min Scan# 1921

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

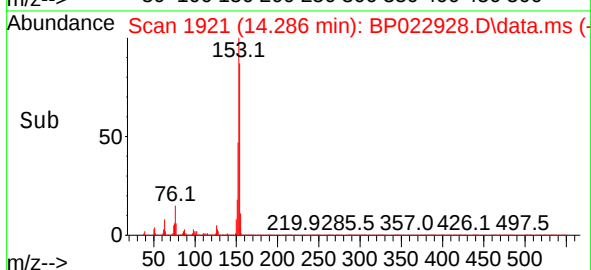
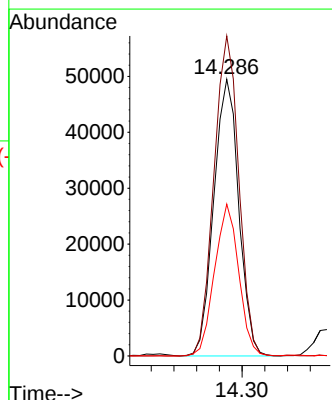
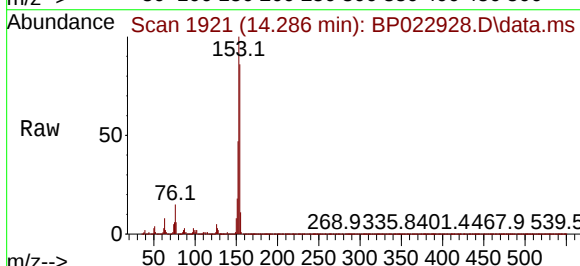
Tgt Ion:154 Resp: 75453

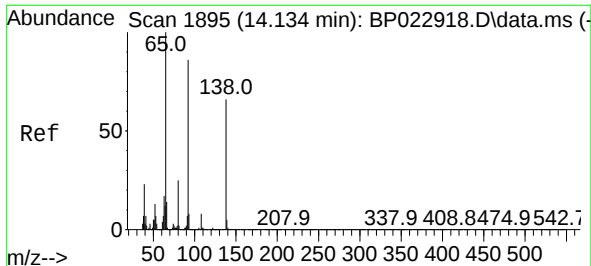
Ion Ratio Lower Upper

154 100

153 115.7 89.9 134.9

152 54.9 42.1 63.1

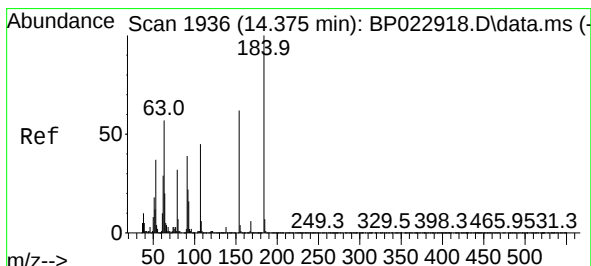
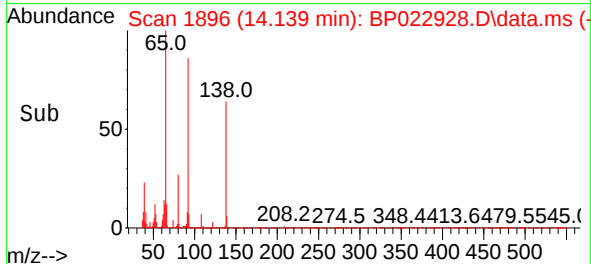
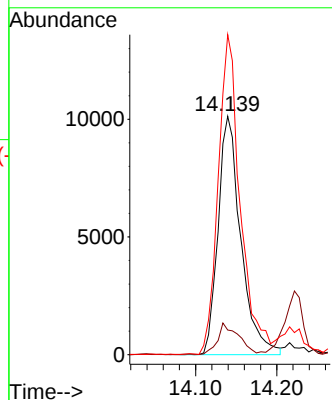
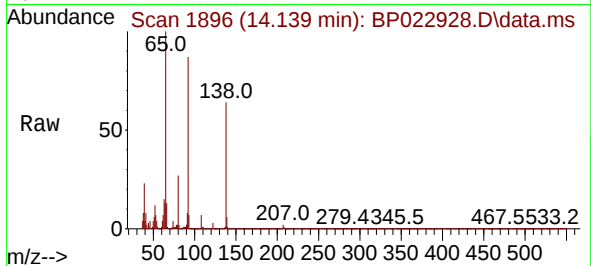




#53
3-Nitroaniline
Concen: 9.262 ng
RT: 14.139 min Scan# 1895
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

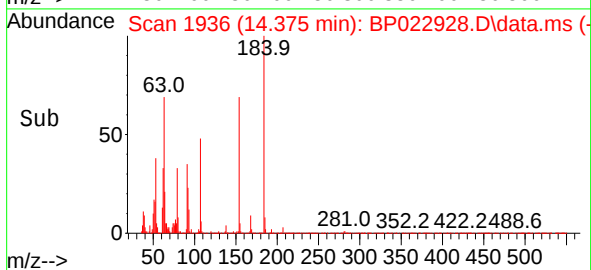
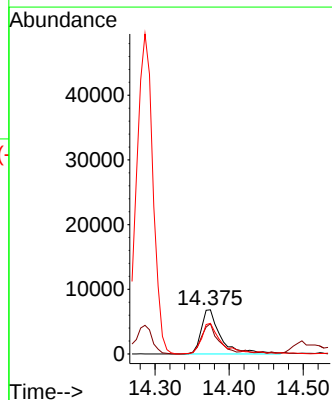
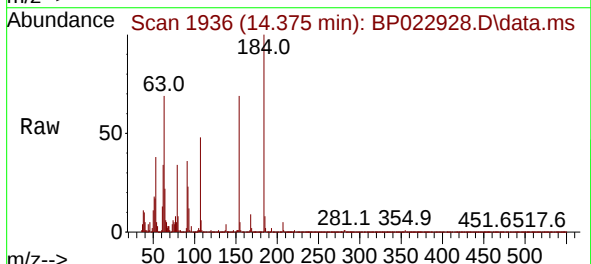
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

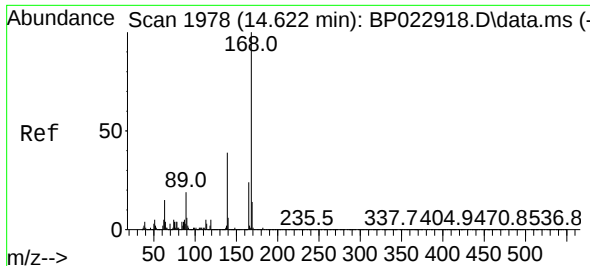
Tgt Ion:138 Resp: 19683
Ion Ratio Lower Upper
138 100
108 10.3 10.2 15.2
92 134.3 104.2 156.2



#54
2,4-Dinitrophenol
Concen: 7.647 ng
RT: 14.375 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion:184 Resp: 12412
Ion Ratio Lower Upper
184 100
63 68.9 46.3 69.5
154 69.4 56.6 85.0

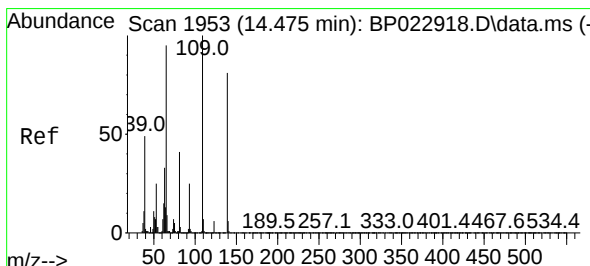
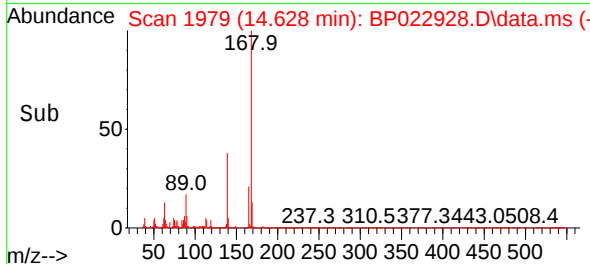
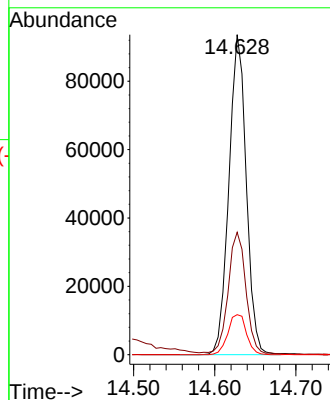
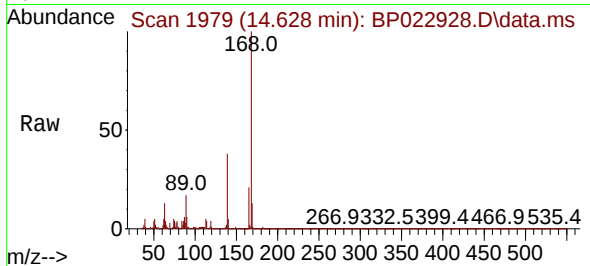




#55
Dibenzenofuran
Concen: 10.158 ng
RT: 14.628 min Scan# 1978
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

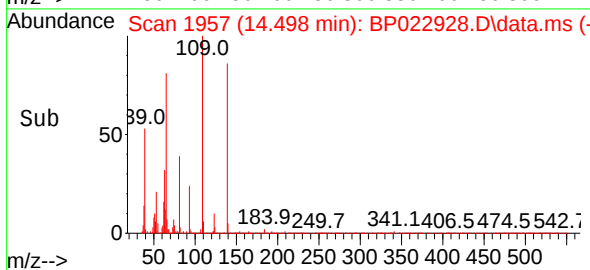
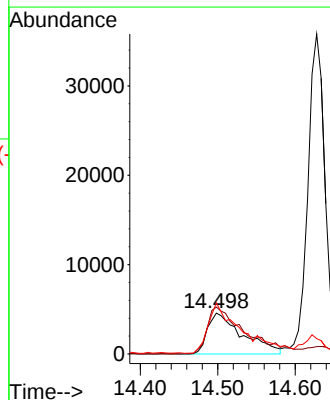
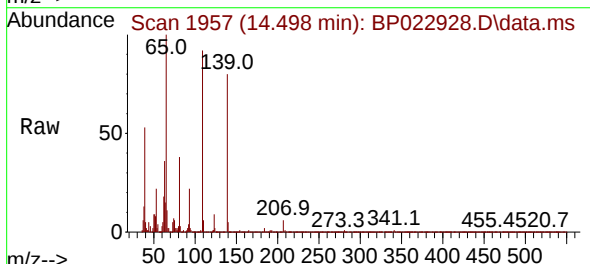
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

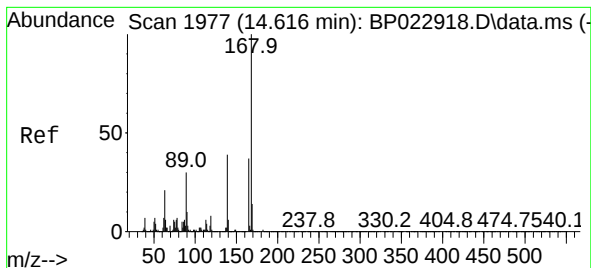
Tgt Ion:168 Resp: 138854
Ion Ratio Lower Upper
168 100
139 38.3 31.1 46.7
169 12.5 11.0 16.6



#56
4-Nitrophenol
Concen: 8.241 ng
RT: 14.498 min Scan# 1957
Delta R.T. 0.024 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion:139 Resp: 14403
Ion Ratio Lower Upper
139 100
109 114.9 103.1 143.1
65 125.1 96.9 136.9





#57

2,4-Dinitrotoluene

Concen: 9.185 ng

RT: 14.622 min Scan# 1977

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:165 Resp: 34731

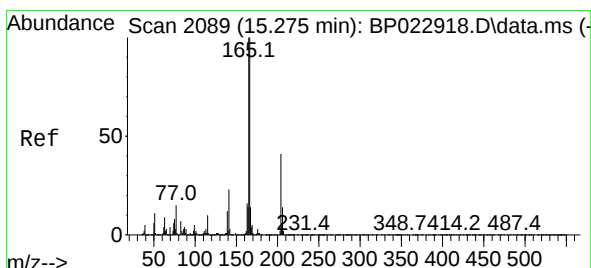
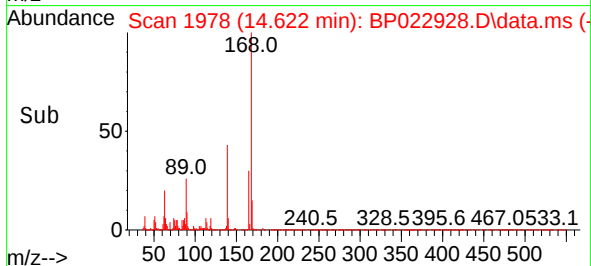
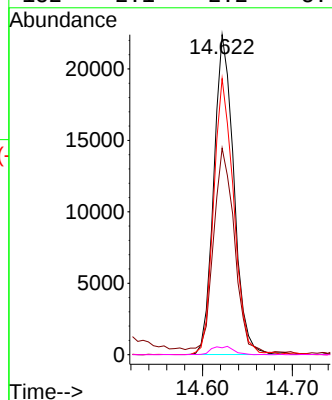
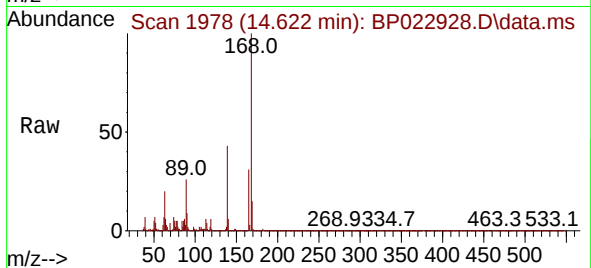
Ion Ratio Lower Upper

165 100

63 64.6 46.5 69.7

89 86.3 64.0 96.0

182 2.1 2.2 3.4#



#58

Fluorene

Concen: 9.821 ng

RT: 15.286 min Scan# 2091

Delta R.T. 0.012 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

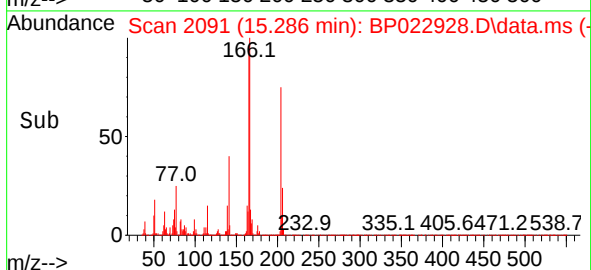
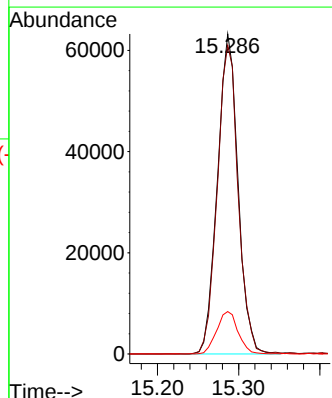
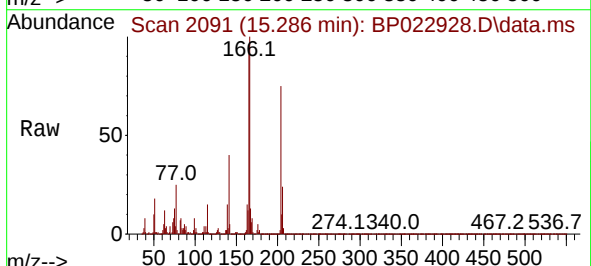
Tgt Ion:166 Resp: 111528

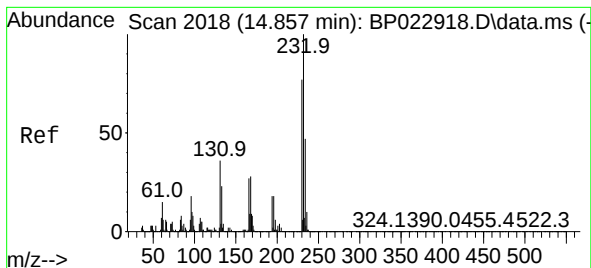
Ion Ratio Lower Upper

166 100

165 96.5 80.1 120.1

167 13.3 11.1 16.7

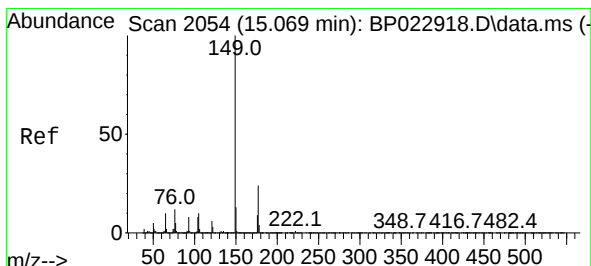
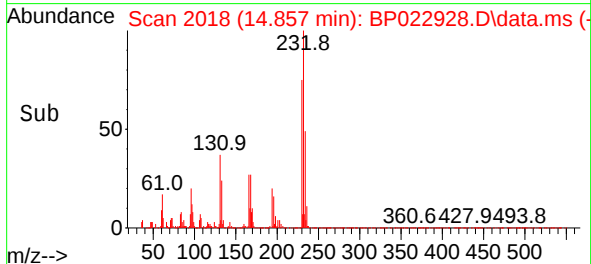
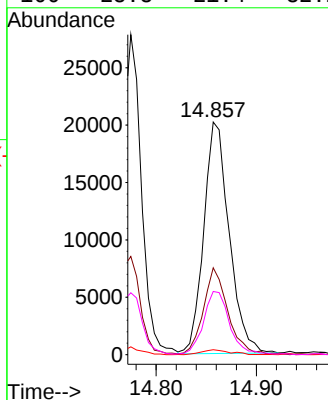
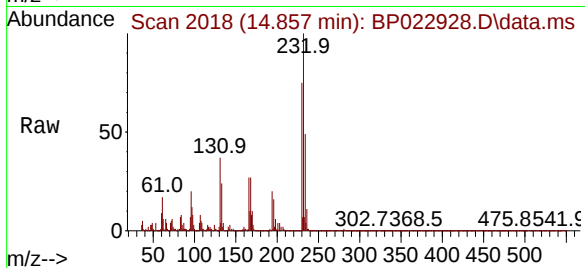




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.583 ng
RT: 14.857 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

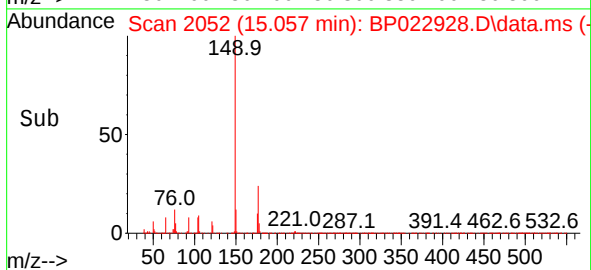
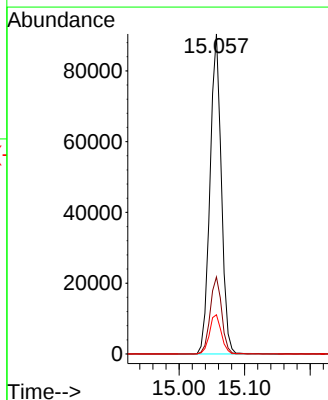
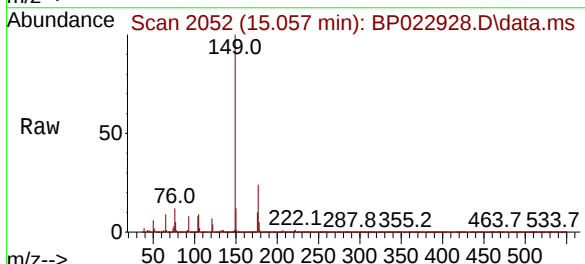
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

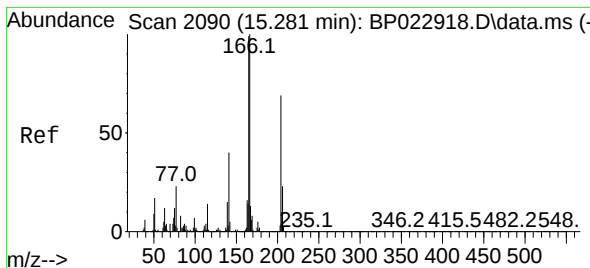
Tgt Ion:	232	Resp:	35591
Ion Ratio	Lower	Upper	
232	100		
131	36.3	28.2	42.2
130	2.3	1.7	2.5
166	28.3	21.4	32.2



#60
Diethylphthalate
Concen: 9.458 ng
RT: 15.057 min Scan# 2052
Delta R.T. -0.012 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion:	149	Resp:	108203
Ion Ratio	Lower	Upper	
149	100		
177	24.1	18.9	28.3
150	12.3	10.3	15.5

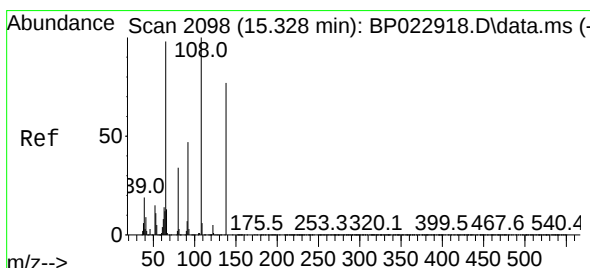
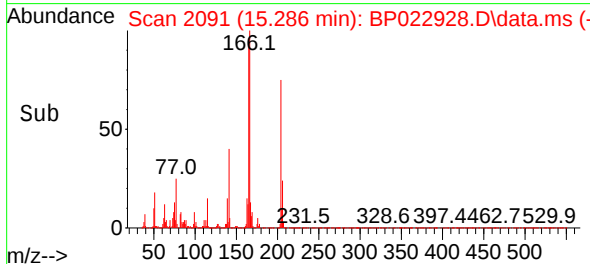
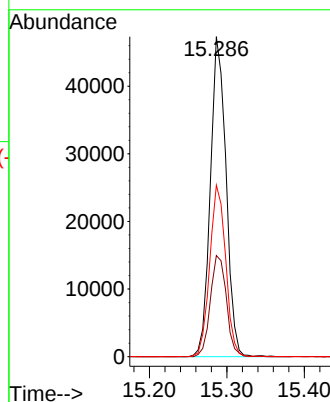
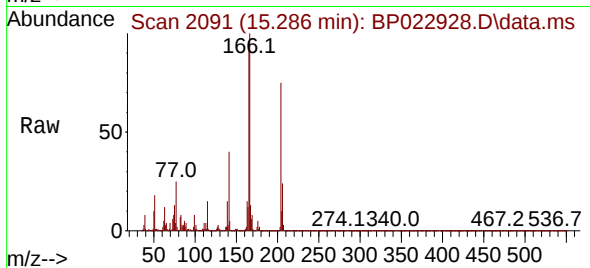




#61
4-Chlorophenyl-phenylether
Concen: 9.945 ng
RT: 15.286 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

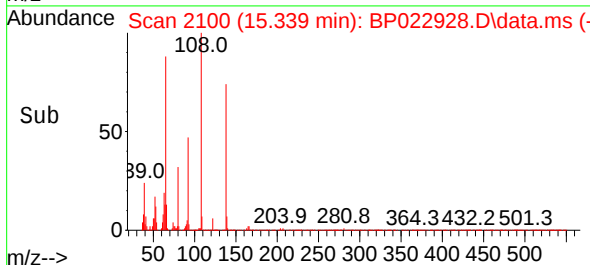
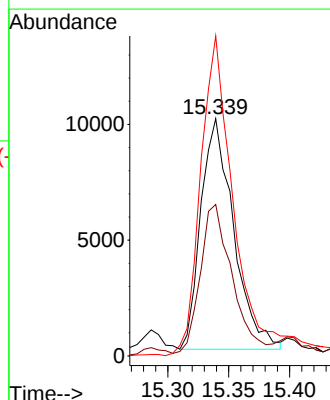
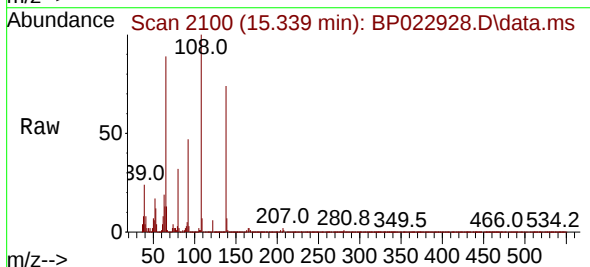
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

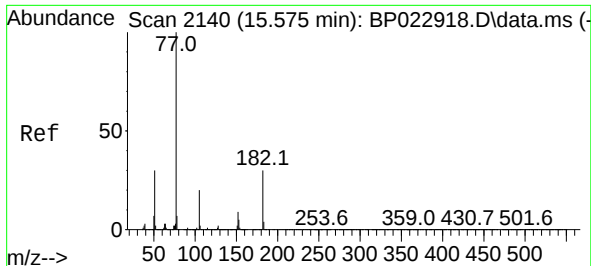
Tgt Ion:204 Resp: 66562
Ion Ratio Lower Upper
204 100
206 31.6 26.8 40.2
141 53.6 46.2 69.4



#62
4-Nitroaniline
Concen: 8.568 ng
RT: 15.339 min Scan# 2100
Delta R.T. 0.012 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion:138 Resp: 18683
Ion Ratio Lower Upper
138 100
92 63.9 41.9 81.9
108 134.9 109.3 149.3

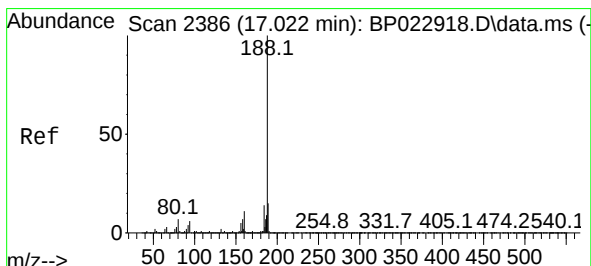
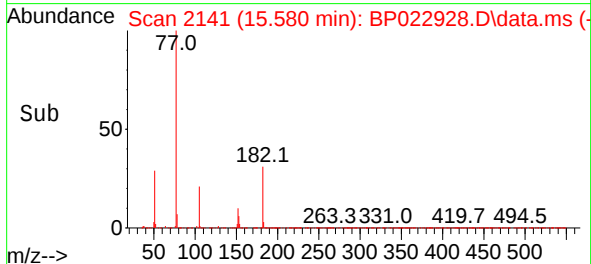
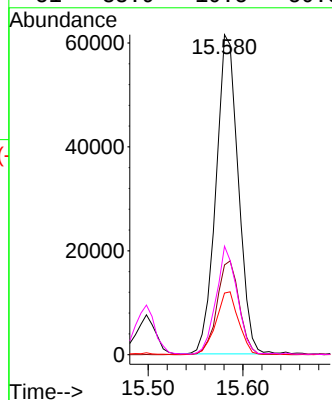
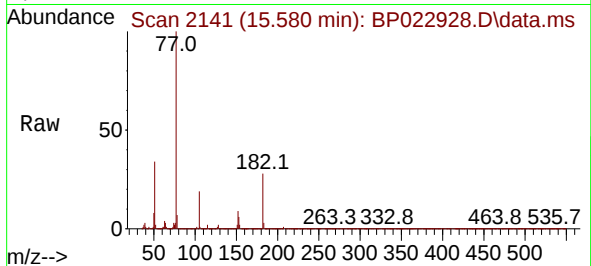




#63
Azobenzene
Concen: 10.222 ng
RT: 15.580 min Scan# 2141
Delta R.T. 0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

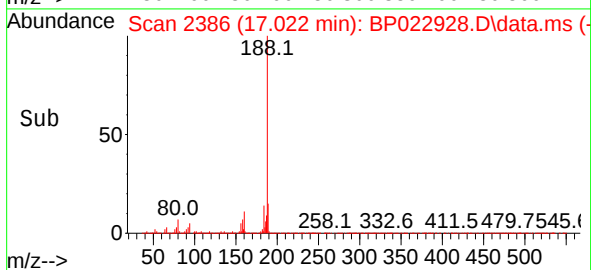
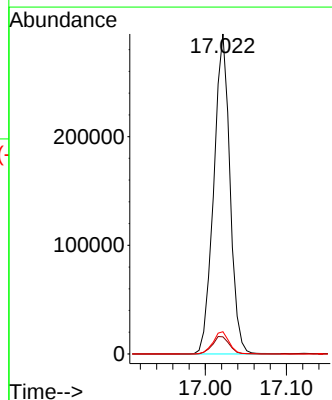
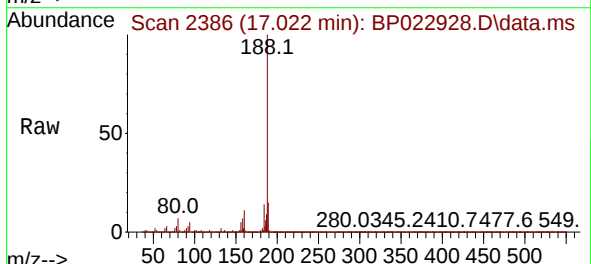
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

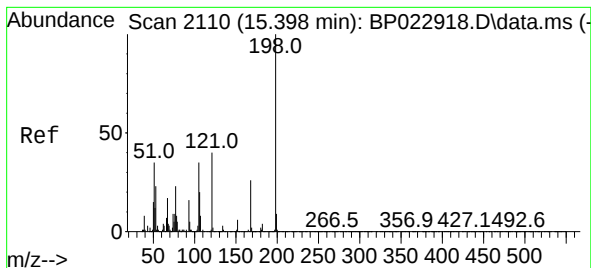
Tgt Ion: 77	Resp: 100560
Ion Ratio	Lower Upper
77 100	
182 28.0	9.9 49.9
105 19.3	0.0 39.9
51 33.9	10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.022 min Scan# 2386
Delta R.T. 0.000 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion: 188	Resp: 407633
Ion Ratio	Lower Upper
188 100	
94 5.3	4.8 7.2
80 6.9	5.9 8.9

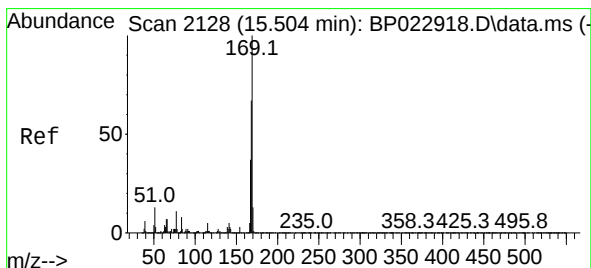
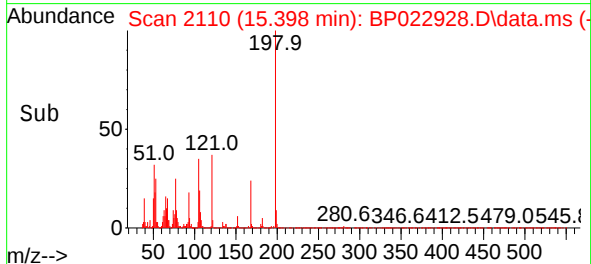
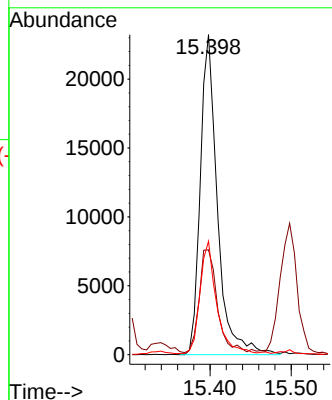
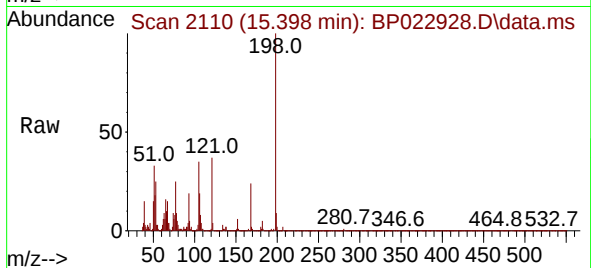




#65
4,6-Dinitro-2-methylphenol
Concen: 13.704 ng
RT: 15.398 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

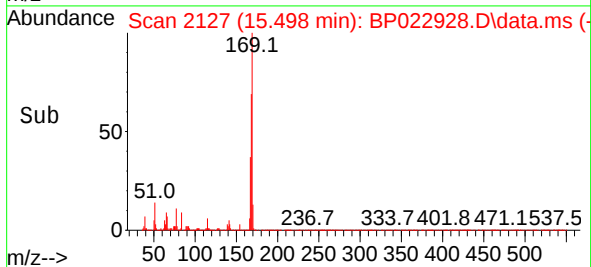
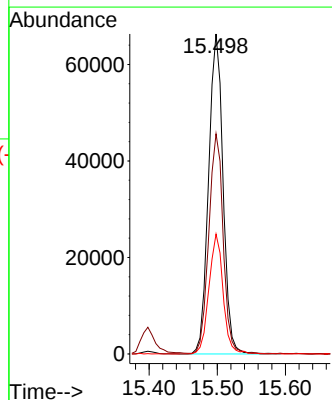
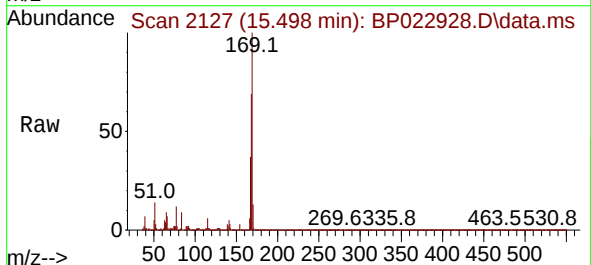
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT4-2024

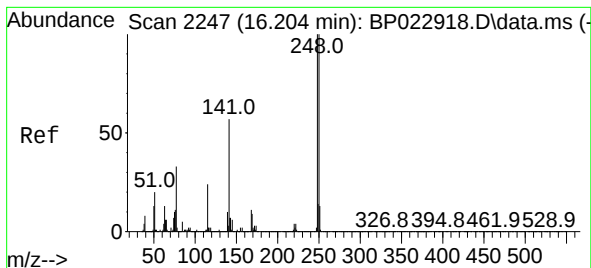
Tgt Ion	Ratio	Lower	Upper
198	100		
51	32.8	17.4	57.4
105	35.4	15.4	55.4



#66
n-Nitrosodiphenylamine
Concen: 9.721 ng
RT: 15.498 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP022928.D
Acq: 08 Nov 2024 10:36

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.8	53.9	80.9
167	37.5	29.4	44.0





#67

4-Bromophenyl-phenylether

Concen: 9.372 ng

RT: 16.192 min Scan# 2245

Delta R.T. -0.012 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

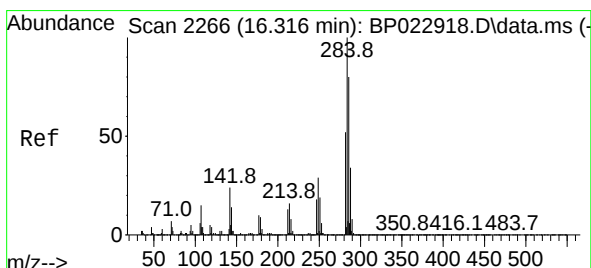
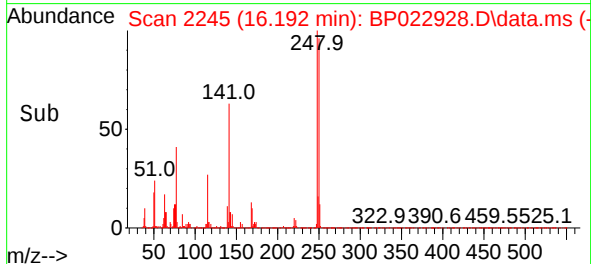
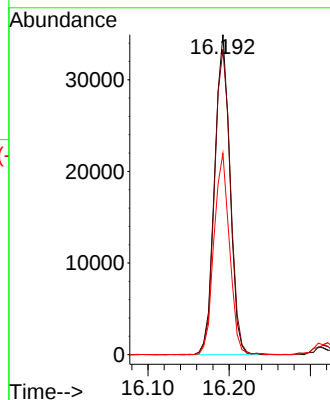
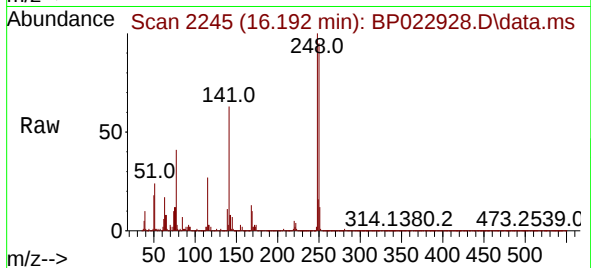
Tgt Ion:248 Resp: 45821

Ion Ratio Lower Upper

248 100

250 95.4 79.8 119.6

141 62.9 45.2 67.8



#68

Hexachlorobenzene

Concen: 9.480 ng

RT: 16.316 min Scan# 2266

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

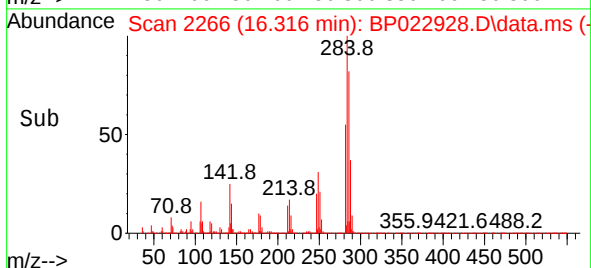
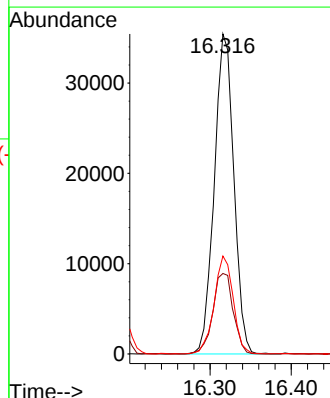
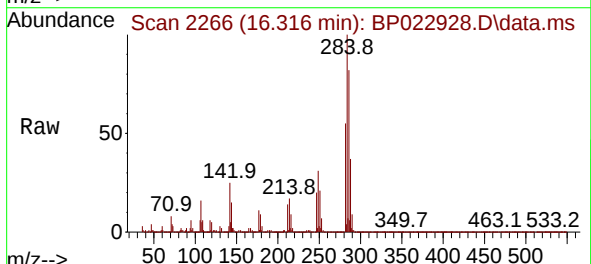
Tgt Ion:284 Resp: 59365

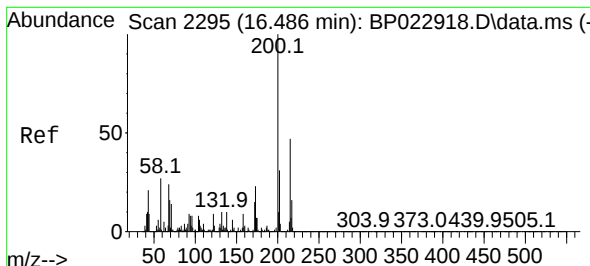
Ion Ratio Lower Upper

284 100

142 25.2 19.0 28.4

249 30.6 23.0 34.6





#69

Atrazine

Concen: 12.590 ng

RT: 16.480 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

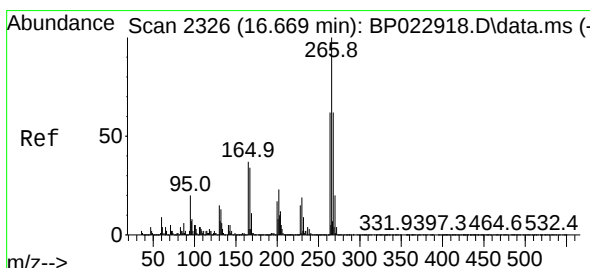
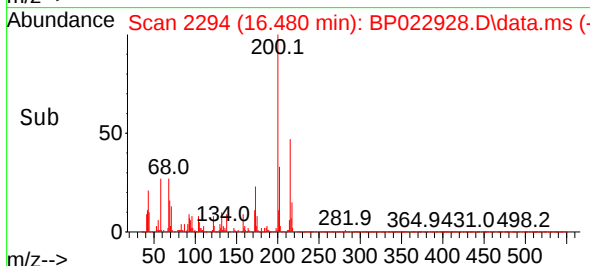
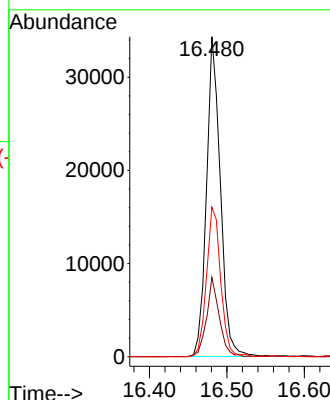
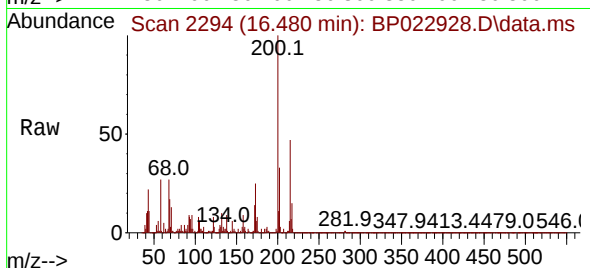
Tgt Ion:200 Resp: 42767

Ion Ratio Lower Upper

200 100

173 24.8 2.7 42.7

215 46.8 27.1 67.1



#70

Pentachlorophenol

Concen: 8.608 ng

RT: 16.680 min Scan# 2328

Delta R.T. 0.012 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

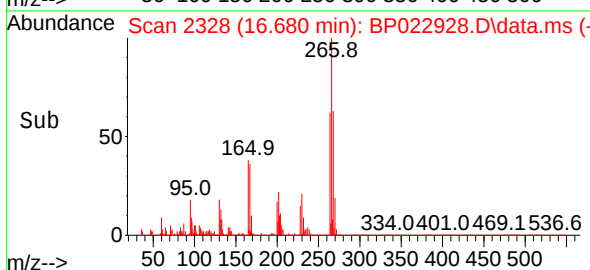
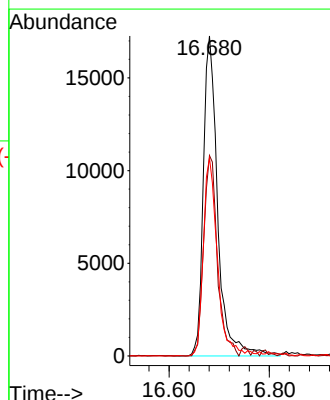
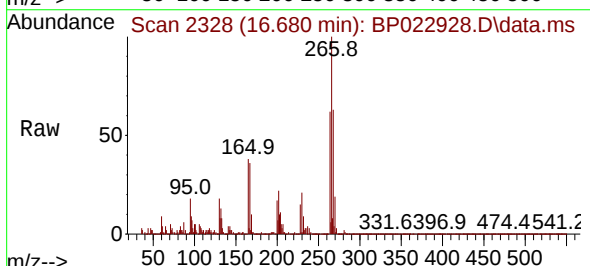
Tgt Ion:266 Resp: 34427

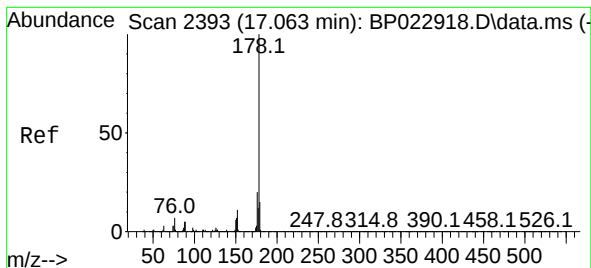
Ion Ratio Lower Upper

266 100

268 62.6 49.9 74.9

264 61.9 49.7 74.5





#71

Phenanthrene

Concen: 9.926 ng

RT: 17.069 min Scan# 2410

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

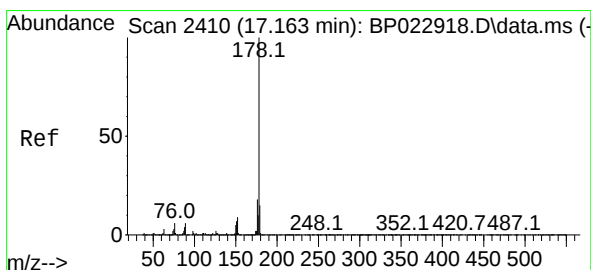
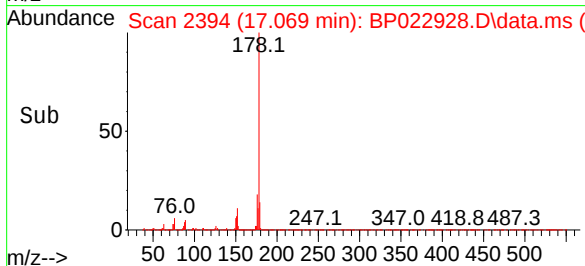
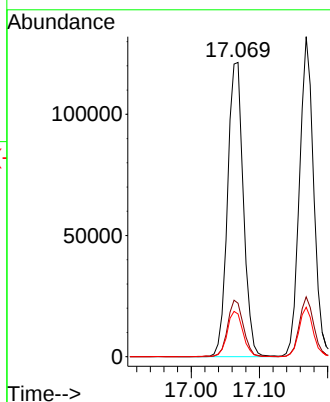
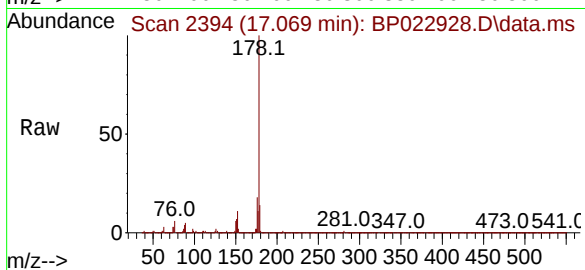
Tgt Ion:178 Resp: 195824

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

179 14.5 12.0 18.0



#72

Anthracene

Concen: 10.193 ng

RT: 17.169 min Scan# 2411

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

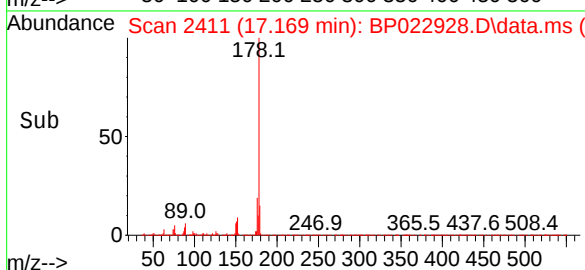
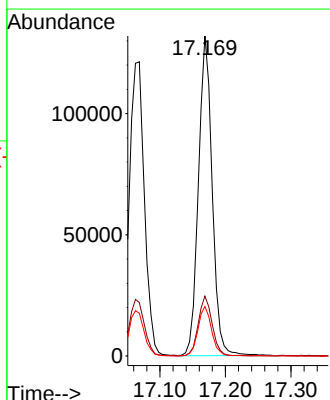
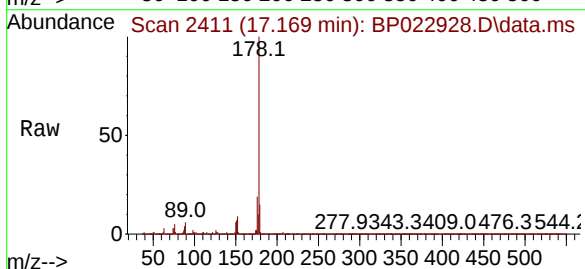
Tgt Ion:178 Resp: 192978

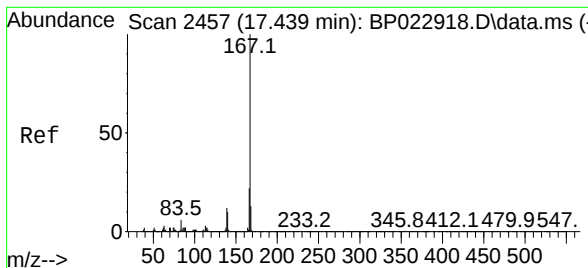
Ion Ratio Lower Upper

178 100

176 18.7 14.6 22.0

179 15.5 12.3 18.5





#73

Carbazole

Concen: 9.779 ng

RT: 17.457 min Scan# 2457

Delta R.T. 0.018 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

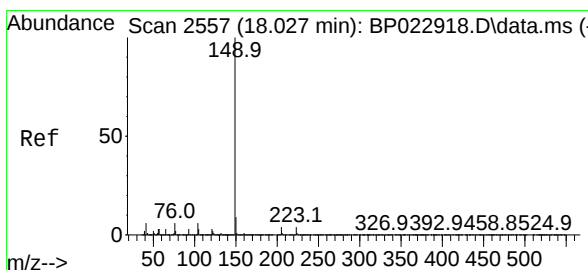
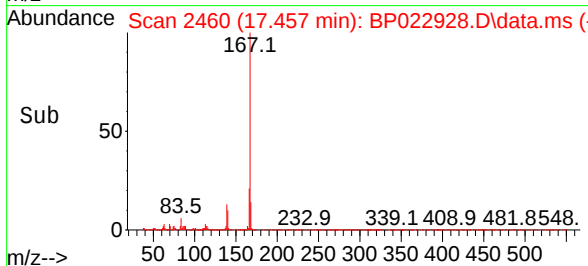
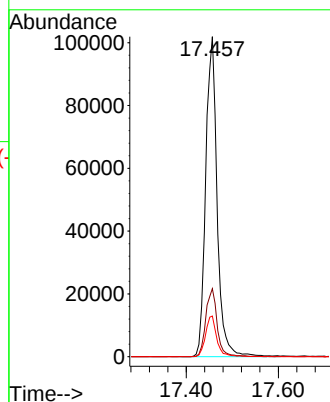
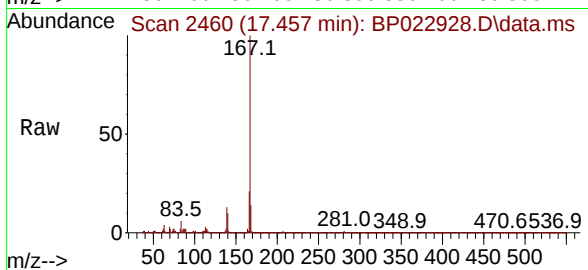
Tgt Ion:167 Resp: 176821

Ion Ratio Lower Upper

167 100

166 21.2 17.4 26.2

139 12.7 10.0 15.0



#74

Di-n-butylphthalate

Concen: 9.162 ng

RT: 18.027 min Scan# 2557

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

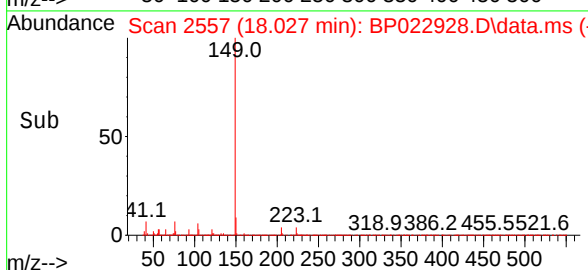
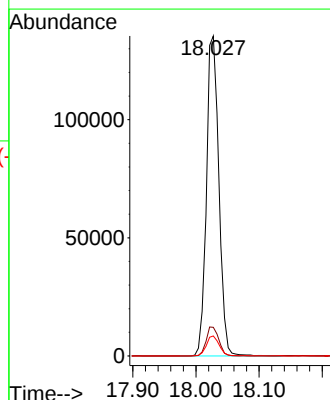
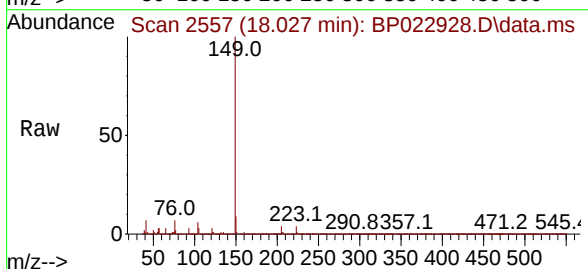
Tgt Ion:149 Resp: 184637

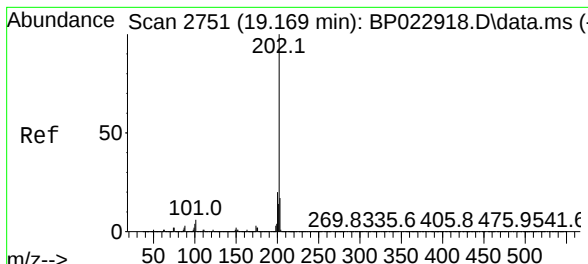
Ion Ratio Lower Upper

149 100

150 9.0 7.2 10.8

104 6.3 4.8 7.2

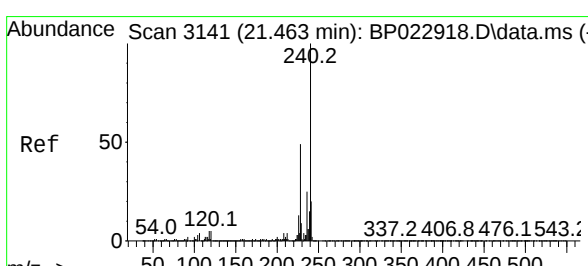
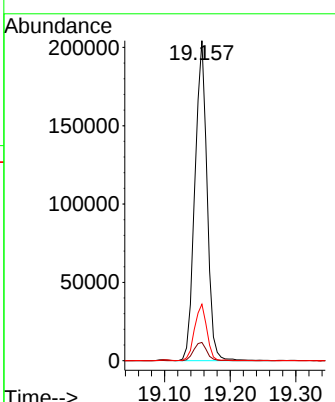
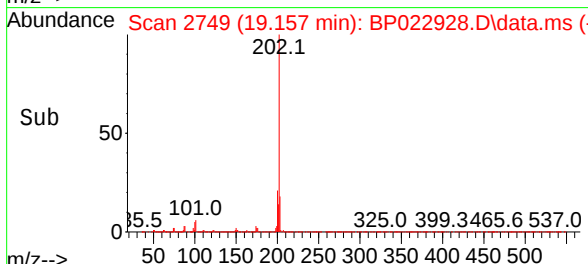
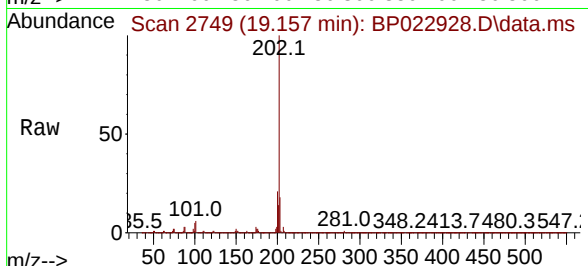




#75
 Fluoranthene
 Concen: 9.619 ng
 RT: 19.157 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BP022928.D
 Acq: 08 Nov 2024 10:36

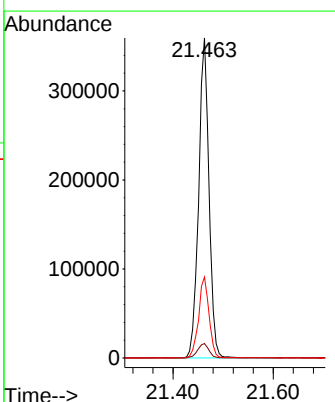
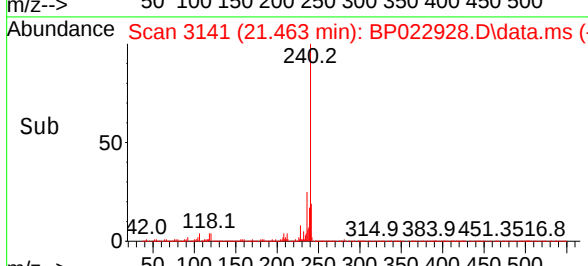
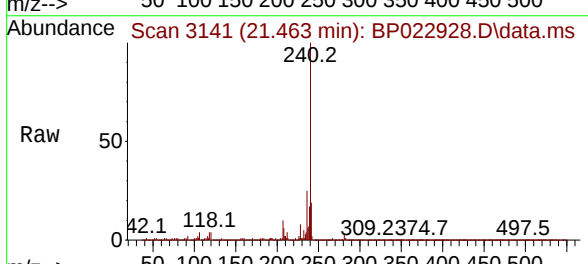
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2024

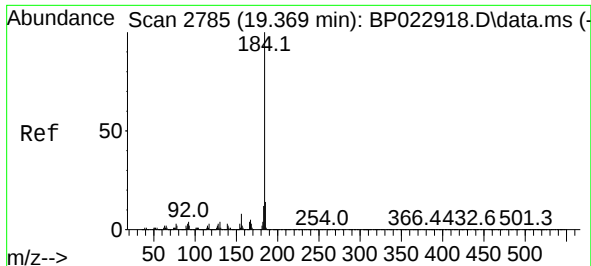
Tgt Ion:	202	Resp:	263232
Ion Ratio	Lower	Upper	
202	100		
101	5.7	0.0	25.5
203	17.7	0.0	37.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.463 min Scan# 3141
 Delta R.T. 0.000 min
 Lab File: BP022928.D
 Acq: 08 Nov 2024 10:36

Tgt Ion:	240	Resp:	514057
Ion Ratio	Lower	Upper	
240	100		
120	4.5	4.2	6.2
236	25.3	20.4	30.6





#77

Benzidine

Concen: 11.581 ng

RT: 19.369 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

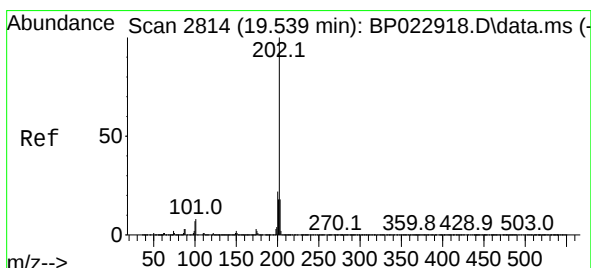
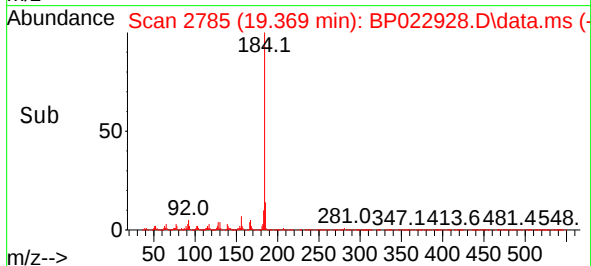
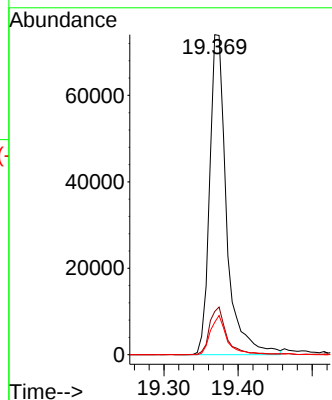
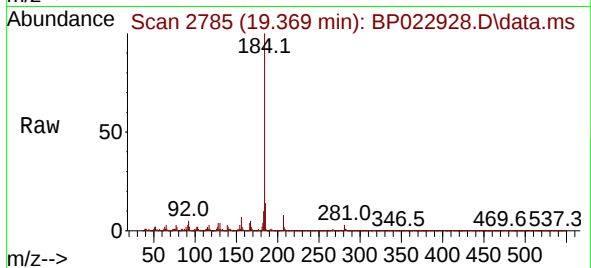
Tgt Ion:184 Resp: 117624

Ion Ratio Lower Upper

184 100

185 13.5 11.3 16.9

183 10.1 9.7 14.5



#78

Pyrene

Concen: 8.822 ng

RT: 19.533 min Scan# 2813

Delta R.T. -0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

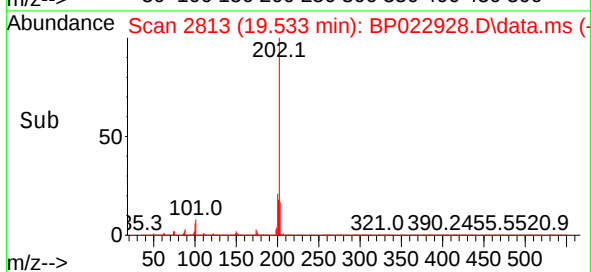
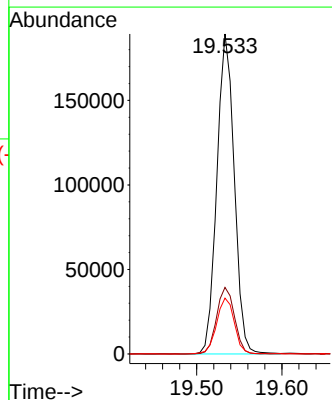
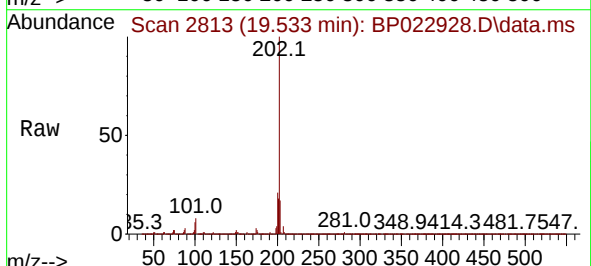
Tgt Ion:202 Resp: 268451

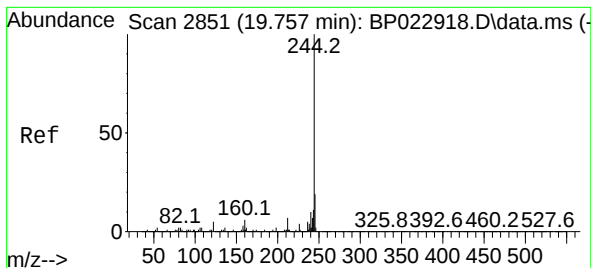
Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.0

203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 78.486 ng

RT: 19.763 min Scan# 2148352

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

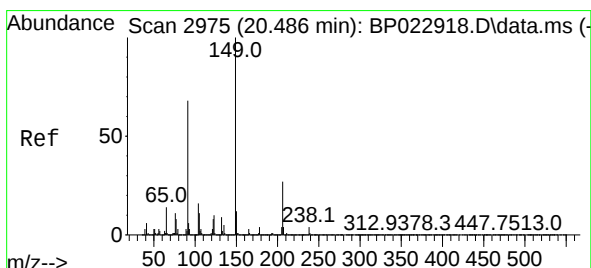
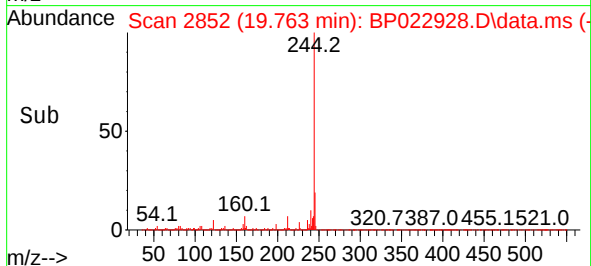
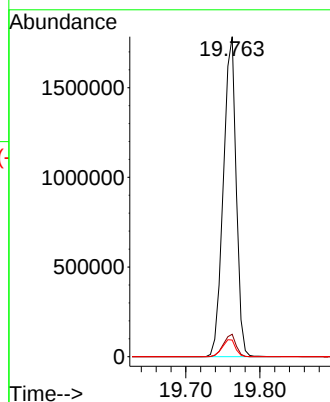
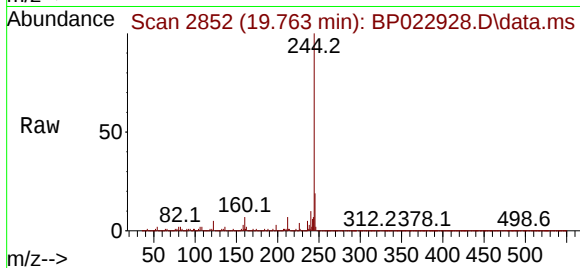
Tgt Ion:244 Resp: 2148352

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

122 5.2 4.4 6.6



#80

Butylbenzylphthalate

Concen: 8.556 ng

RT: 20.492 min Scan# 2976

Delta R.T. 0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

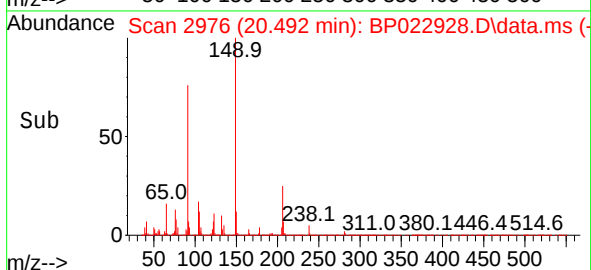
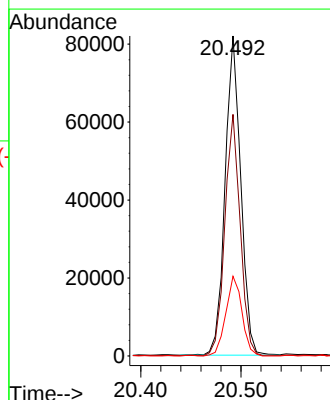
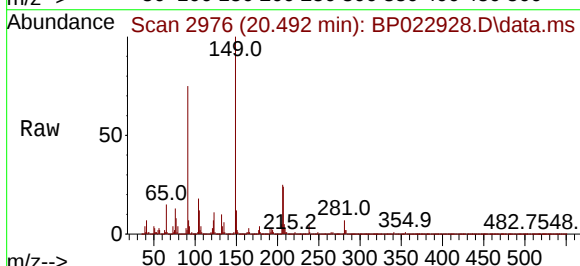
Tgt Ion:149 Resp: 88772

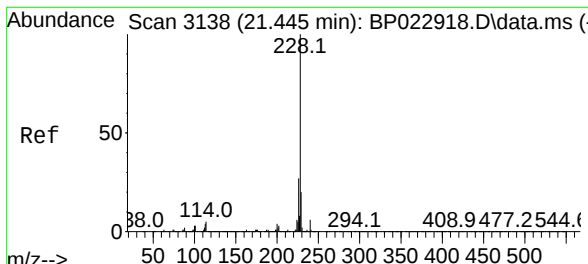
Ion Ratio Lower Upper

149 100

91 75.5 54.6 82.0

206 24.9 21.3 31.9

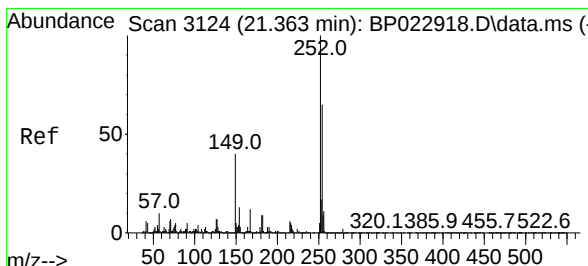
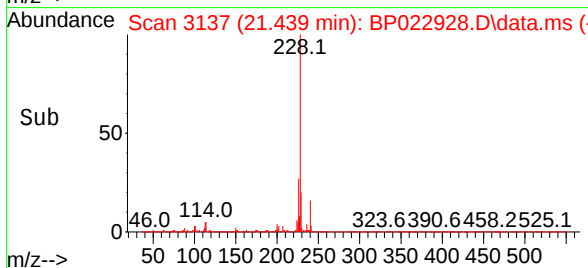
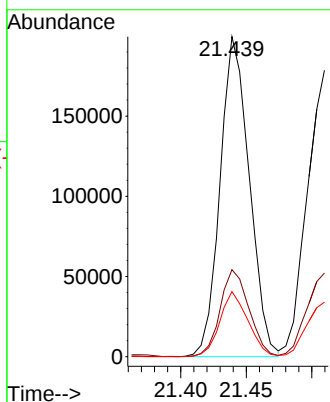
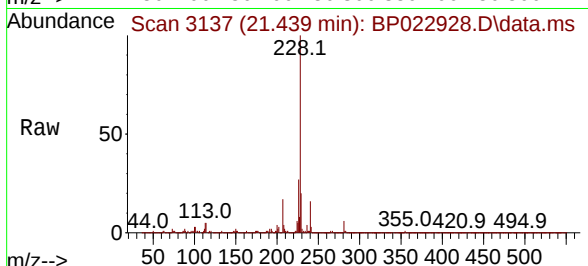




#81
 Benzo(a)anthracene
 Concen: 9.673 ng
 RT: 21.439 min Scan# 3137
 Delta R.T. -0.006 min
 Lab File: BP022928.D
 Acq: 08 Nov 2024 10:36

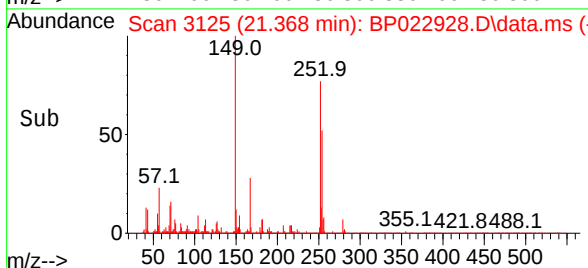
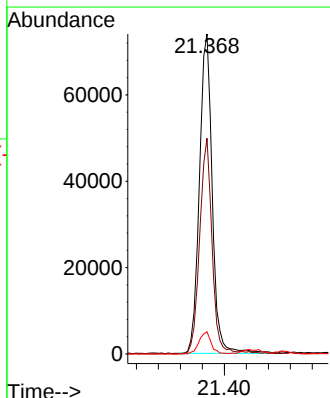
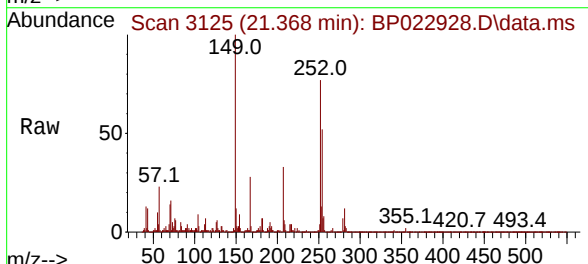
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2024

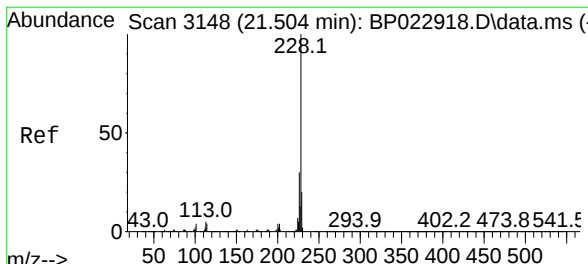
Tgt Ion:	228	Resp:	309411
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.8	32.6
229	20.3	16.0	24.0



#82
 3,3'-Dichlorobenzidine
 Concen: 9.265 ng
 RT: 21.368 min Scan# 3125
 Delta R.T. 0.006 min
 Lab File: BP022928.D
 Acq: 08 Nov 2024 10:36

Tgt Ion:	252	Resp:	119977
Ion Ratio	Lower	Upper	
252	100		
254	67.4	51.7	77.5
126	7.0	5.4	8.0

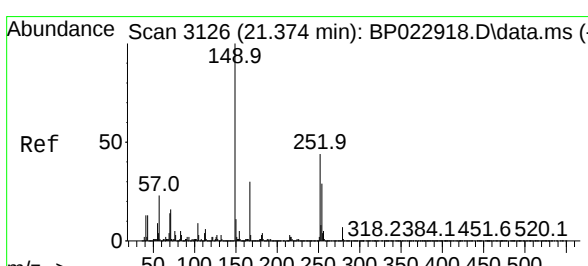
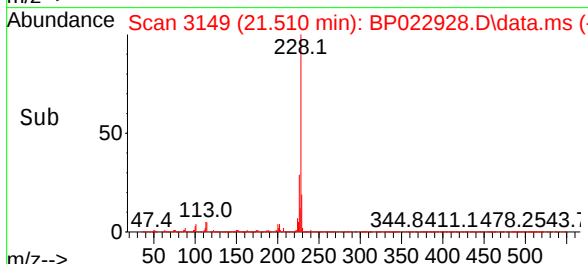
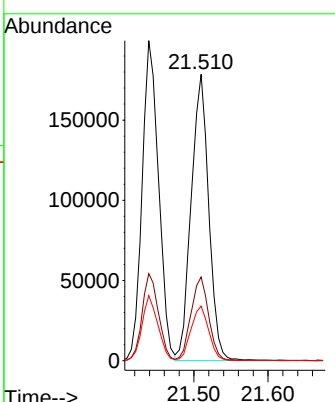
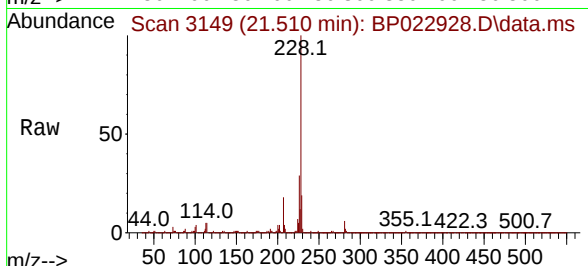




#83
 Chrysene
 Concen: 9.770 ng
 RT: 21.510 min Scan# 3149
 Delta R.T. 0.006 min
 Lab File: BP022928.D
 Acq: 08 Nov 2024 10:36

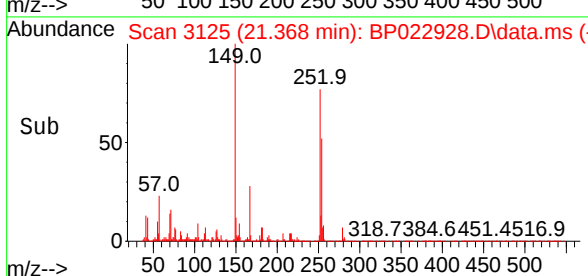
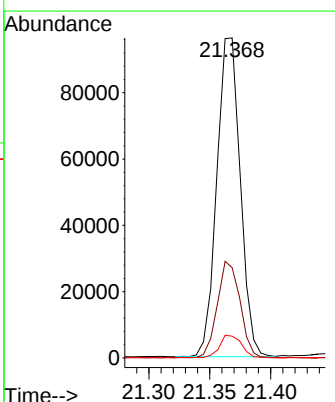
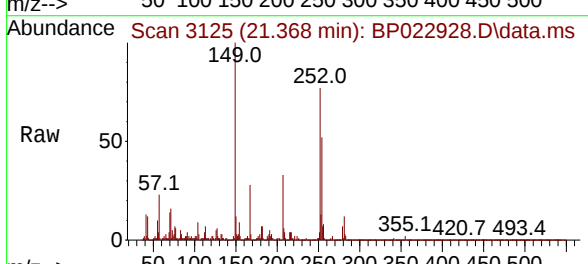
Instrument : BNA_P
 ClientSampleId : LOQ-SOIL-02-QT4-2024

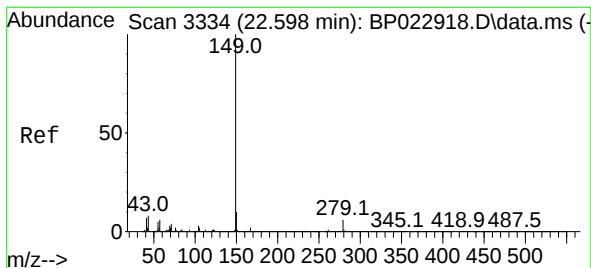
Tgt Ion:	228	Resp:	292735
Ion Ratio	Lower	Upper	
228	100		
226	29.2	23.8	35.6
229	19.1	15.8	23.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.664 ng
 RT: 21.368 min Scan# 3125
 Delta R.T. -0.006 min
 Lab File: BP022928.D
 Acq: 08 Nov 2024 10:36

Tgt Ion:	149	Resp:	129004
Ion Ratio	Lower	Upper	
149	100		
167	28.2	23.7	35.5
279	6.8	5.3	7.9





#85

Di-n-octyl phthalate

Concen: 8.902 ng

RT: 22.598 min Scan# 3334

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

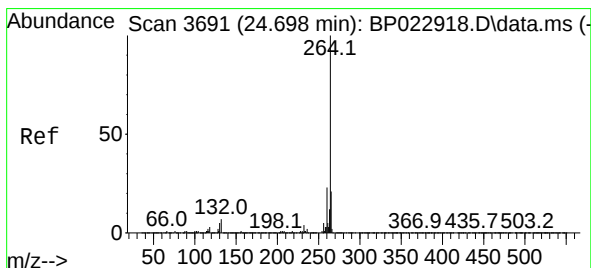
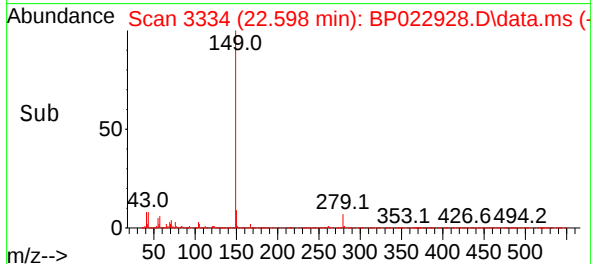
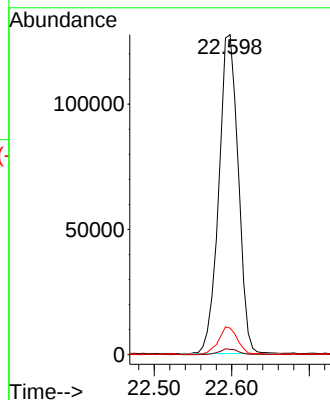
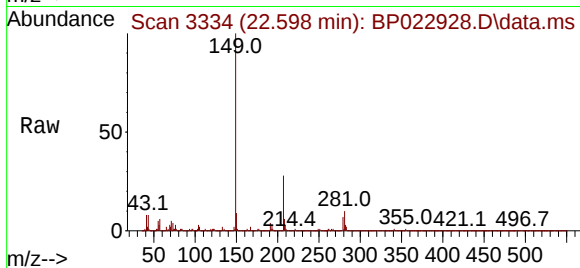
Tgt Ion:149 Resp: 221494

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

43 8.4 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.692 min Scan# 3690

Delta R.T. -0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

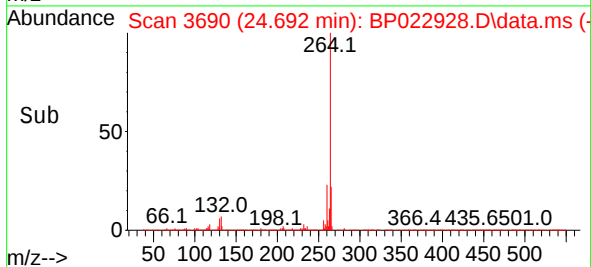
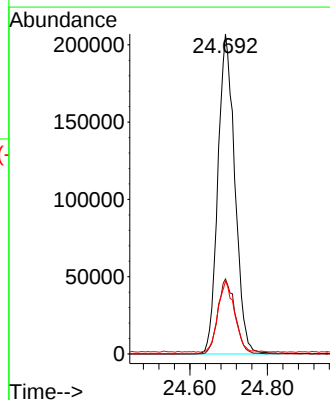
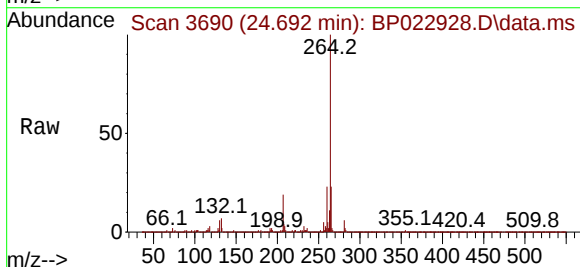
Tgt Ion:264 Resp: 626769

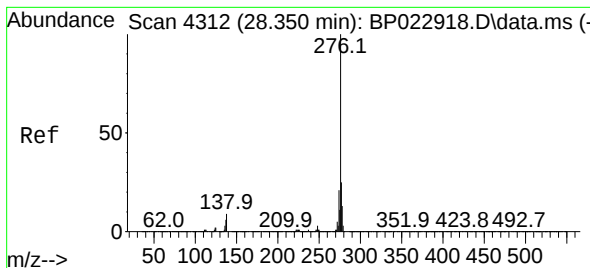
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 22.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.361 ng

RT: 28.350 min Scan# 4312

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

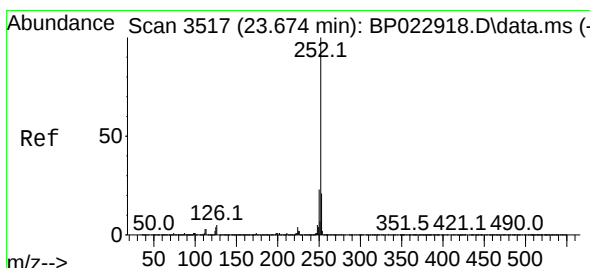
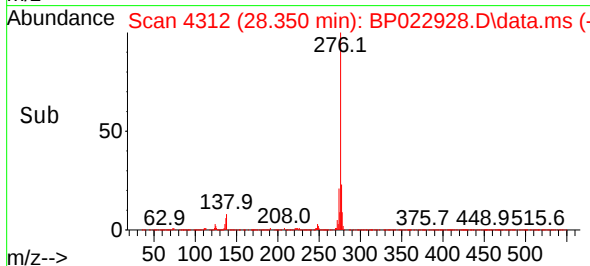
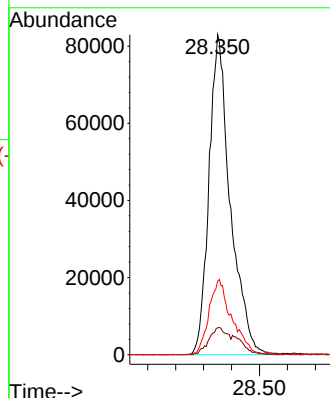
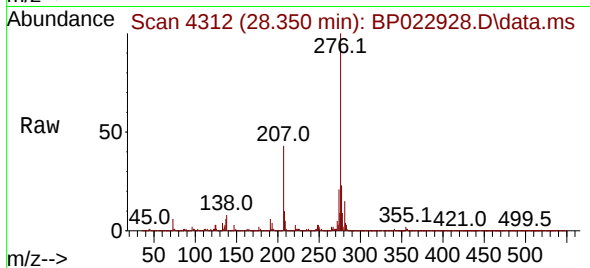
Tgt Ion:276 Resp: 437988

Ion Ratio Lower Upper

276 100

138 7.5 8.7 13.1#

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 9.470 ng

RT: 23.739 min Scan# 3528

Delta R.T. 0.065 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

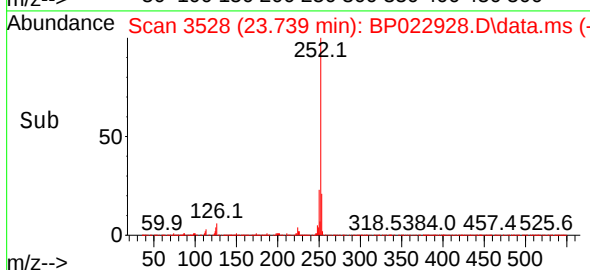
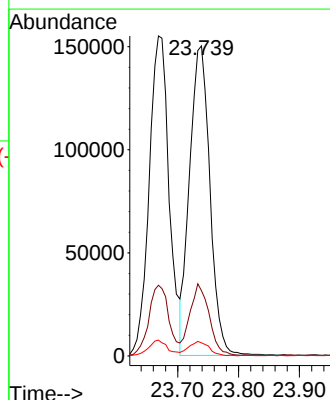
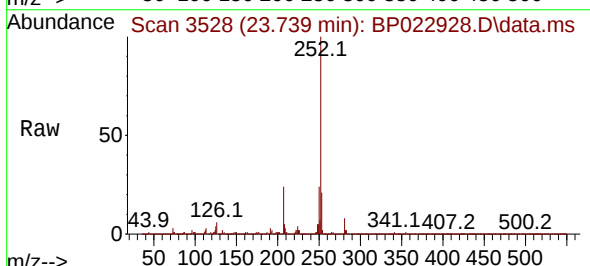
Tgt Ion:252 Resp: 348709

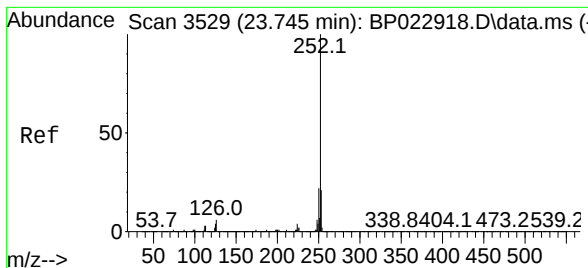
Ion Ratio Lower Upper

252 100

253 21.1 16.8 25.2

125 4.3 3.2 4.8





#89

Benzo(k)fluoranthene

Concen: 10.029 ng

RT: 23.739 min Scan# 3528

Delta R.T. -0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

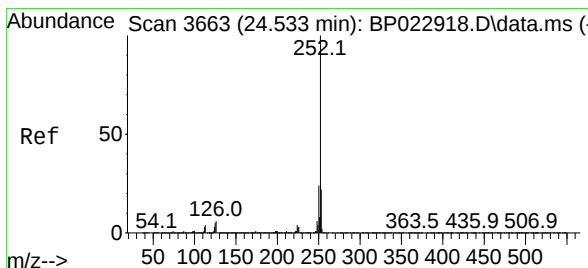
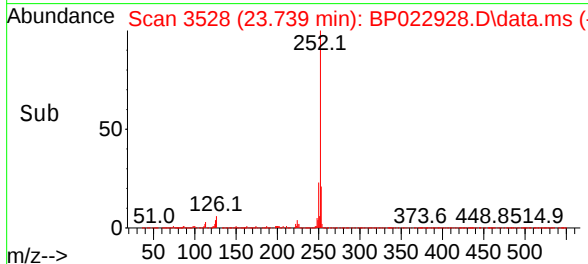
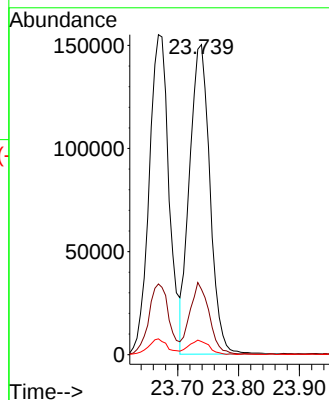
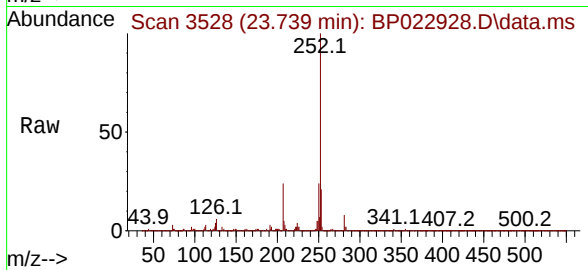
Tgt Ion:252 Resp: 348709

Ion Ratio Lower Upper

252 100

253 21.1 17.0 25.6

125 4.3 3.4 5.2



#90

Benzo(a)pyrene

Concen: 10.502 ng

RT: 24.533 min Scan# 3663

Delta R.T. 0.000 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

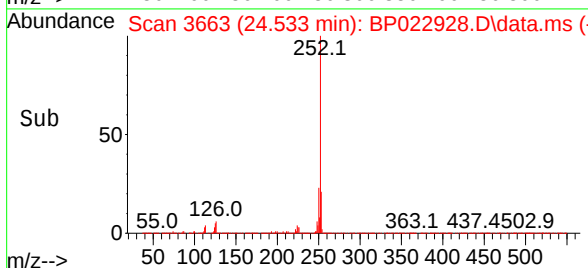
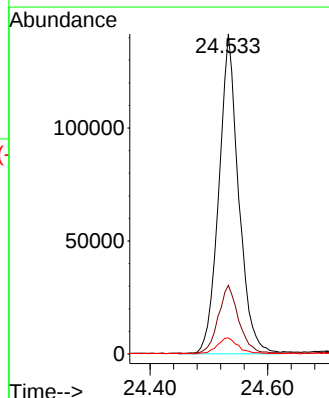
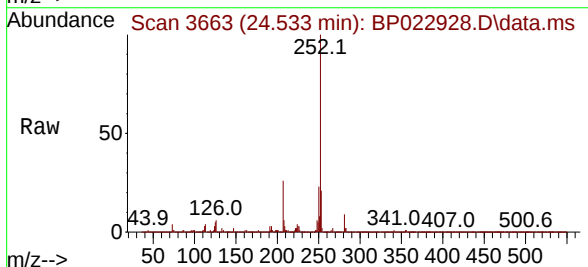
Tgt Ion:252 Resp: 330896

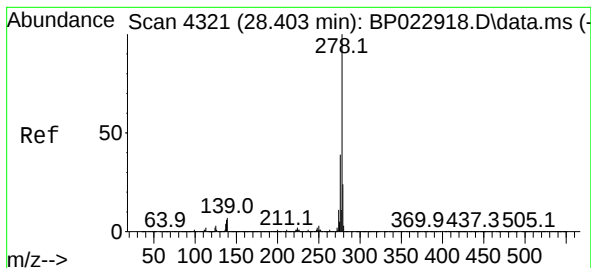
Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 5.0 4.0 6.0





#91

Dibenzo(a,h)anthracene

Concen: 10.122 ng

RT: 28.415 min Scan# 41

Delta R.T. 0.012 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT4-2024

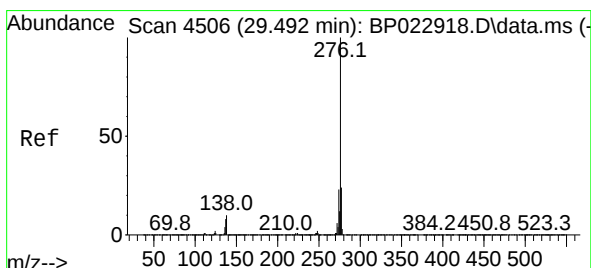
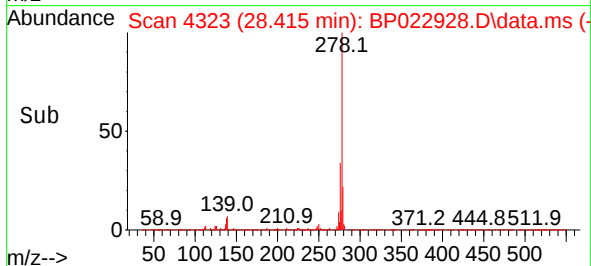
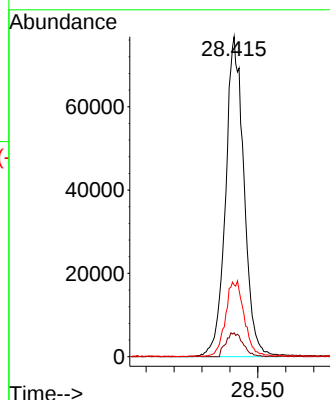
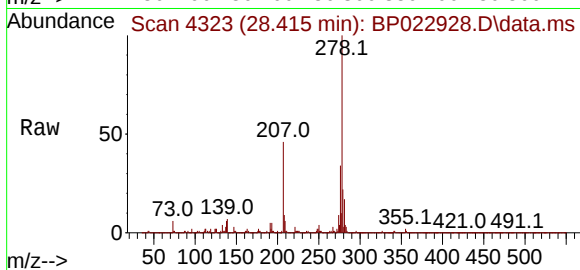
Tgt Ion:278 Resp: 350895

Ion Ratio Lower Upper

278 100

139 7.5 5.4 8.2

279 22.4 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 9.403 ng

RT: 29.486 min Scan# 4505

Delta R.T. -0.006 min

Lab File: BP022928.D

Acq: 08 Nov 2024 10:36

Tgt Ion:276 Resp: 334025

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 7.6 7.6 11.4

