

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101402.D
 Acq On : 29 Oct 2024 12:06
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-5 PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Oct 29 19:20:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	113507	20.000	ng	0.00
21) Naphthalene-d8	10.337	136	556352	20.000	ng	0.00
39) Acenaphthene-d10	14.179	164	415788	20.000	ng	0.00
64) Phenanthrene-d10	16.917	188	997574	20.000	ng	0.00
76) Chrysene-d12	21.077	240	1180653	20.000	ng	0.00
86) Perylene-d12	23.363	264	1483151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	718132	110.887	ng	0.00
7) Phenol-d6	6.947	99	1007200	112.161	ng	0.00
23) Nitrobenzene-d5	8.780	82	714555	80.669	ng	0.00
42) 2,4,6-Tribromophenol	15.689	330	856111	117.478	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	2001423	81.520	ng	0.00
79) Terphenyl-d14	19.514	244	3785541	73.795	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.228	88	11560	4.786	ng	97
4) n-Nitrosodimethylamine	3.645	42	10707	4.049	ng	# 74
6) Aniline	7.017	93	52563	7.638	ng	98
8) 2-Chlorophenol	7.211	128	37919	4.882	ng	96
9) Benzaldehyde	6.788	77	27302	6.298	ng	98
10) Phenol	6.970	94	49587	5.089	ng	84
11) bis(2-Chloroethyl)ether	7.017	93	52563	6.576	ng	# 32
12) 1,3-Dichlorobenzene	7.458	146	40300	4.811	ng	95
13) 1,4-Dichlorobenzene	7.605	146	41779	4.885	ng	97
14) 1,2-Dichlorobenzene	7.934	146	40916	4.887	ng	97
15) Benzyl Alcohol	7.916	79	28567	5.337	ng	# 73
16) 2,2'-oxybis(1-Chloropr...	8.069	45	52994	5.268	ng	97
17) 2-Methylphenol	8.151	107	28168	4.271	ng	97
18) Hexachloroethane	8.633	117	12928	4.628	ng	96
19) n-Nitroso-di-n-propyla...	8.374	70	28091	4.714	ng	97
20) 3+4-Methylphenols	8.492	107	37825	4.155	ng	96
22) Acetophenone	8.427	105	60939	4.824	ng	# 98
24) Nitrobenzene	8.821	77	46549	4.937	ng	98
25) Isophorone	9.279	82	78053	4.516	ng	99
26) 2-Nitrophenol	9.514	139	18016	3.954	ng	97
27) 2,4-Dimethylphenol	9.632	122	21772	3.797	ng	96
28) bis(2-Chloroethoxy)met...	9.785	93	48690	4.645	ng	99
29) 2,4-Dichlorophenol	10.061	162	33381	4.208	ng	98
30) 1,2,4-Trichlorobenzene	10.184	180	40058	4.636	ng	98
31) Naphthalene	10.390	128	138015	4.868	ng	100
32) Benzoic acid	9.826	122	6808	9.172	ng	# 72
33) 4-Chloroaniline	10.619	127	50006	5.072	ng	98
34) Hexachlorobutadiene	10.637	225	22825	4.462	ng	99
35) Caprolactam	11.400	113	10568	3.476	ng	88
36) 4-Chloro-3-methylphenol	11.788	107	38811	4.297	ng	95
37) 2-Methylnaphthalene	11.976	142	99239	4.859	ng	99
38) 1-Methylnaphthalene	12.205	142	93845	4.604	ng	99
40) 1,2,4,5-Tetrachloroben...	12.335	216	49665	4.758	ng	100
41) Hexachlorocyclopentadiene	12.317	237	14140	4.102	ng	98
43) 2,4,6-Trichlorophenol	12.652	196	29473	4.096	ng	95
44) 2,4,5-Trichlorophenol	12.752	196	33006	4.006	ng	97

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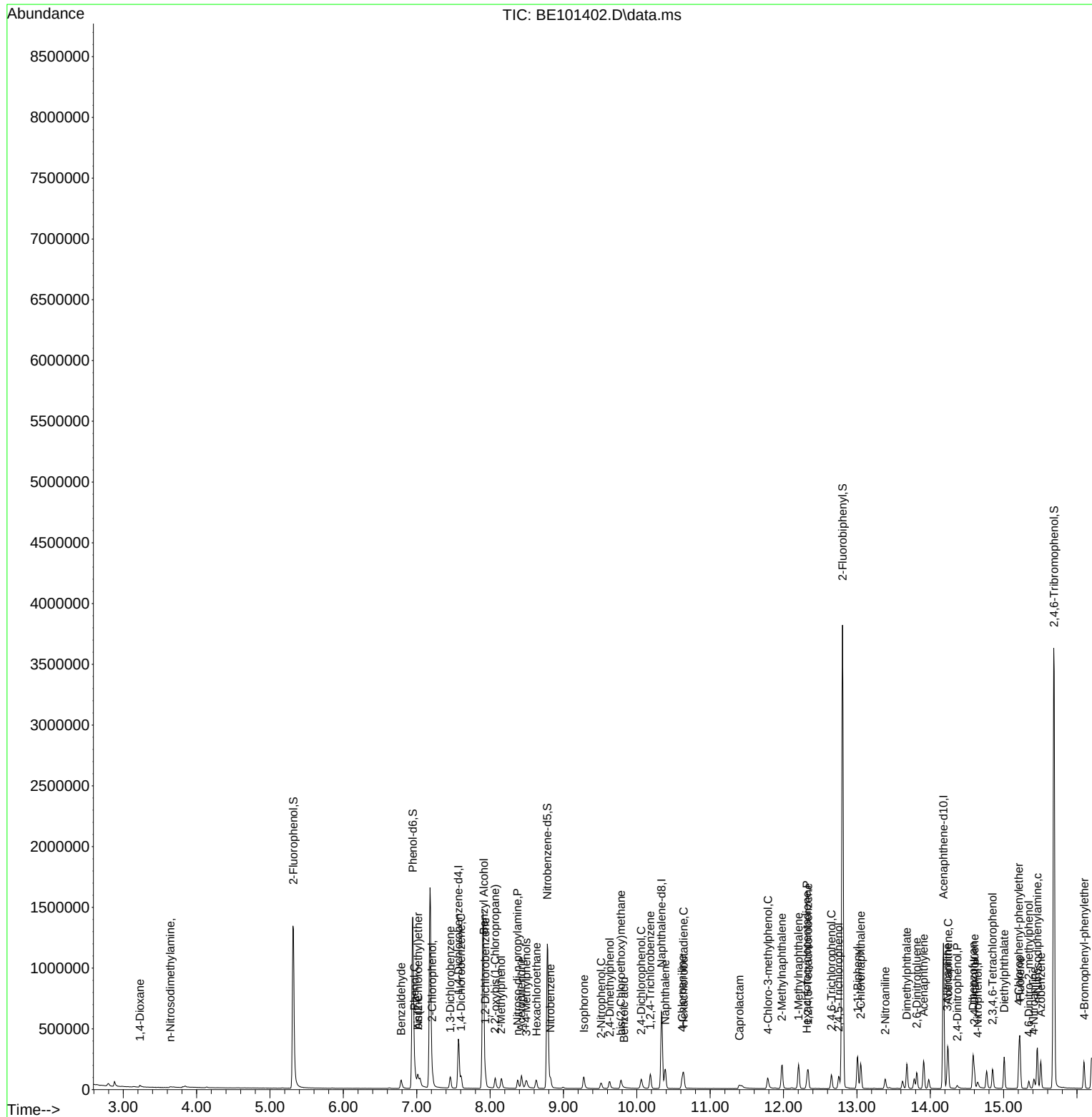
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.010	154	146336	5.137	ng	99
47) 2-Chloronaphthalene	13.051	162	104534	4.645	ng	99
48) 2-Nitroaniline	13.386	65	23080	3.811	ng	95
49) Acenaphthylene	13.909	152	168800	5.072	ng	100
50) Dimethylphthalate	13.680	163	141532	4.822	ng	99
51) 2,6-Dinitrotoluene	13.815	165	28273	4.173	ng	87
52) Acenaphthene	14.244	154	104036	4.787	ng	98
53) 3-Nitroaniline	14.232	138	28038	4.161	ng	96
54) 2,4-Dinitrophenol	14.367	184	7267	7.020	ng	95
55) Dibenzofuran	14.585	168	173495	5.009	ng	98
56) 4-Nitrophenol	14.649	139	18580	3.011	ng	98
57) 2,4-Dinitrotoluene	14.602	165	34890	3.740	ng	93
58) Fluorene	15.225	166	139429	4.812	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.849	232	34725	4.561	ng	100
60) Diethylphthalate	15.008	149	145499	4.740	ng	99
61) 4-Chlorophenyl-phenyle...	15.208	204	68759	4.782	ng	98
62) 4-Nitroaniline	15.413	138	25971	3.464	ng	95
63) Azobenzene	15.507	77	125476	4.755	ng	99
65) 4,6-Dinitro-2-methylph...	15.343	198	14319	2.443	ng	86
66) n-Nitrosodiphenylamine	15.460	169	126454	4.780	ng	100
67) 4-Bromophenyl-phenylether	16.101	248	47602	4.536	ng	95
68) Hexachlorobenzene	16.201	284	62742	4.562	ng	98
69) Atrazine	16.389	200	45593	5.622	ng	99
70) Pentachlorophenol	16.606	266	23797	3.006	ng	96
71) Phenanthrene	16.959	178	244968	5.129	ng	97
72) Anthracene	17.047	178	230626	4.945	ng	96
73) Carbazole	17.376	167	231214	4.845	ng	98
74) Di-n-butylphthalate	17.822	149	241458	4.596	ng	97
75) Fluoranthene	18.962	202	294173	5.071	ng	95
77) Benzidine	19.221	184	67817	4.526	ng	98
78) Pyrene	19.332	202	317456	4.889	ng	95
80) Butylbenzylphthalate	20.184	149	124074	4.359	ng	98
81) Benzo(a)anthracene	21.054	228	350556	5.283	ng	94
82) 3,3'-Dichlorobenzidine	21.036	252	113016	4.348	ng	100
83) Chrysene	21.112	228	347547	5.417	ng	93
84) Bis(2-ethylhexyl)phtha...	20.889	149	158770	4.199	ng	95
85) Di-n-octyl phthalate	21.735	149	279069	4.497	ng	100
87) Indeno(1,2,3-cd)pyrene	25.666	276	491709	4.954	ng	99
88) Benzo(b)fluoranthene	22.646	252	373051	4.826	ng	98
89) Benzo(k)fluoranthene	22.693	252	390474	5.407	ng	97
90) Benzo(a)pyrene	23.251	252	343864	5.087	ng	98
91) Dibenzo(a,h)anthracene	25.660	278	402283	4.905	ng	99
92) Benzo(g,h,i)perylene	26.412	276	381131	4.510	ng	100

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

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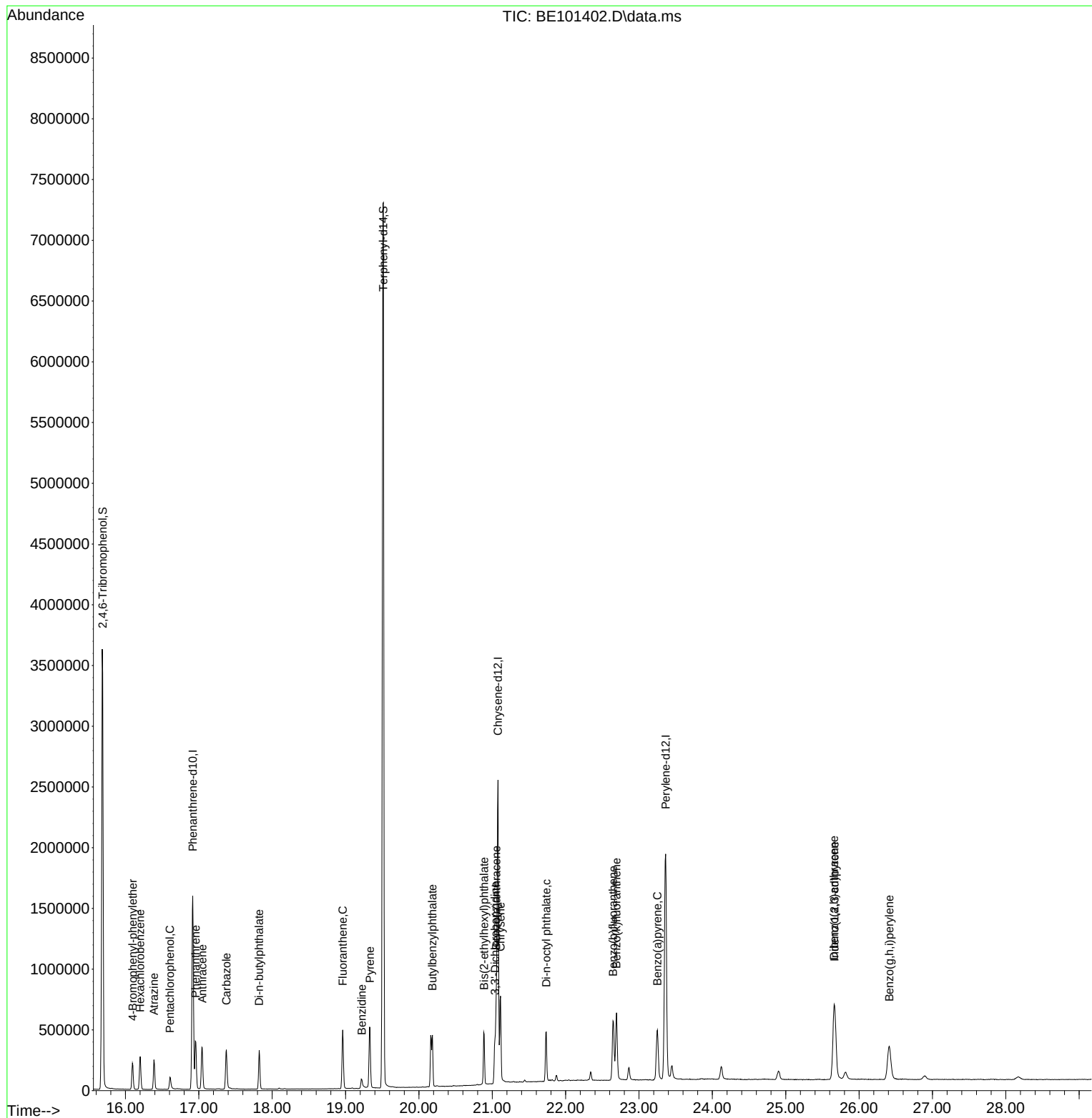
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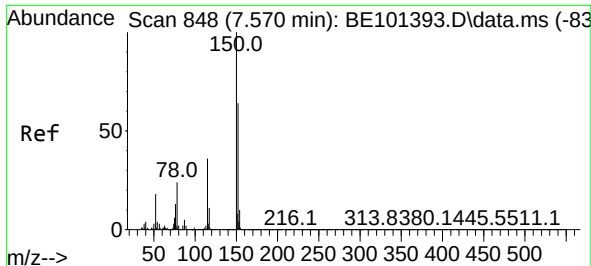


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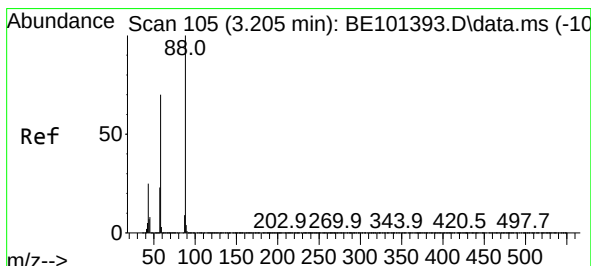
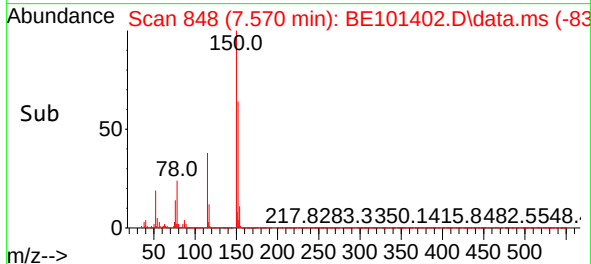
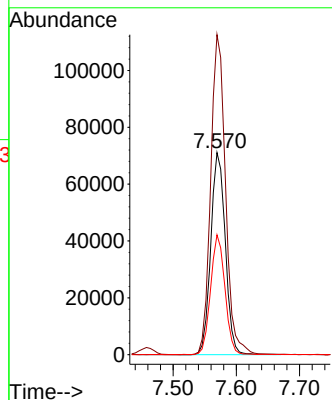
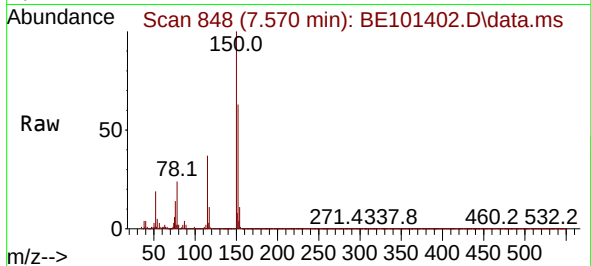




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 84
Delta R.T. -0.000 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

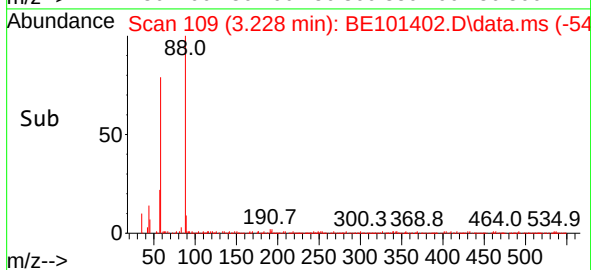
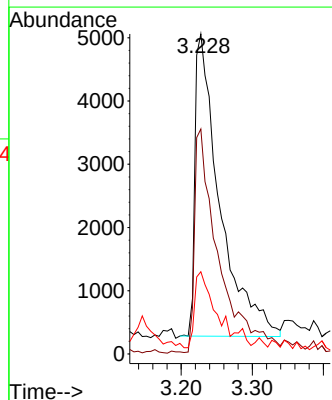
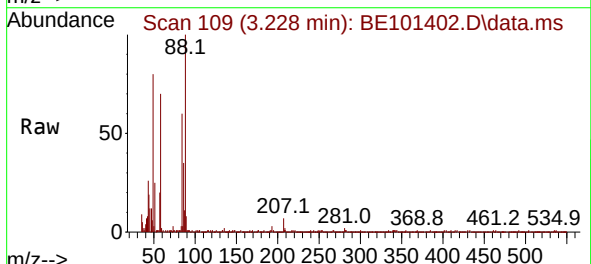
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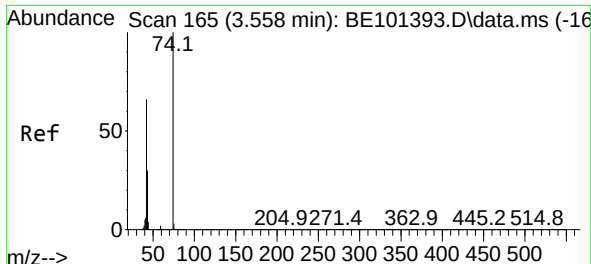
Tgt Ion:152 Resp: 113507
Ion Ratio Lower Upper
152 100
150 158.4 124.2 186.4
115 59.4 45.3 67.9



#2
1,4-Dioxane
Concen: 4.786 ng
RT: 3.228 min Scan# 109
Delta R.T. 0.023 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion: 88 Resp: 11560
Ion Ratio Lower Upper
88 100
58 72.0 56.5 84.7
43 21.7 19.8 29.8

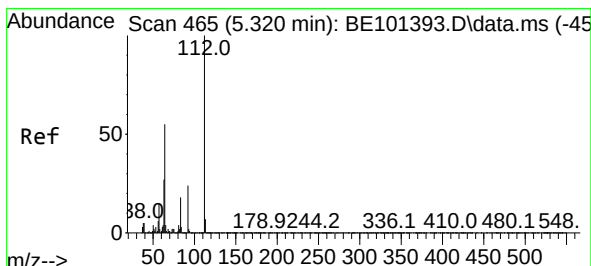
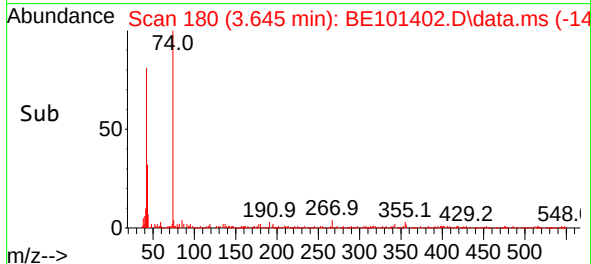
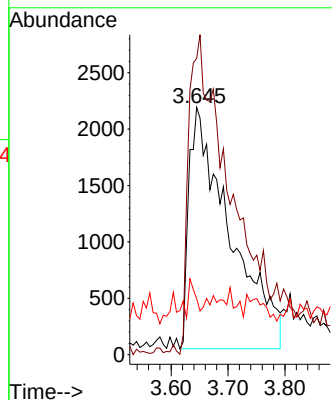
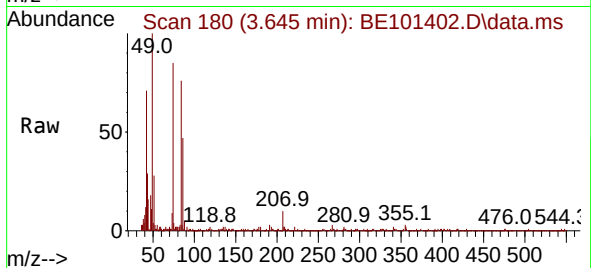




#4
n-Nitrosodimethylamine
Concen: 4.049 ng
RT: 3.645 min Scan# 11
Delta R.T. 0.087 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

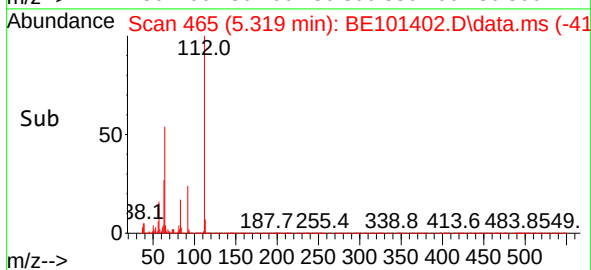
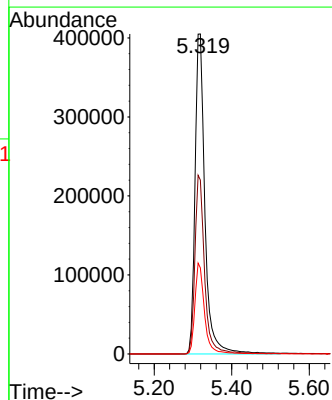
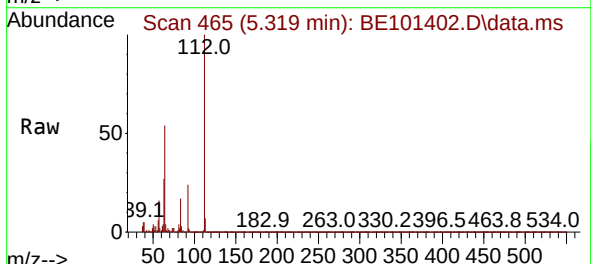
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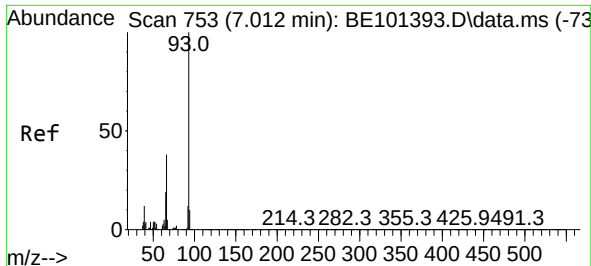
Tgt Ion: 42 Resp: 10707
Ion Ratio Lower Upper
42 100
74 119.9 121.4 182.0#
44 22.6 5.6 8.4#



#5
2-Fluorophenol
Concen: 110.887 ng
RT: 5.319 min Scan# 465
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion: 112 Resp: 718132
Ion Ratio Lower Upper
112 100
64 54.3 43.7 65.5
63 26.9 21.4 32.2





#6

Aniline

Concen: 7.638 ng

RT: 7.017 min Scan# 753

Delta R.T. 0.005 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

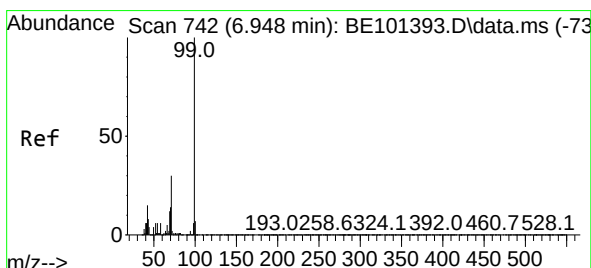
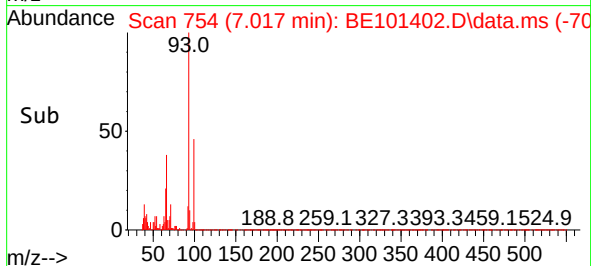
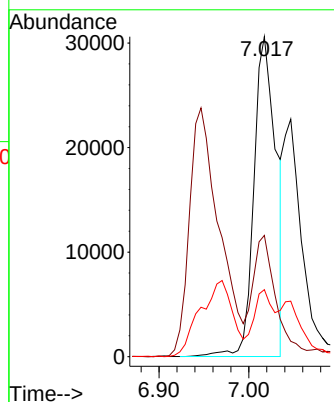
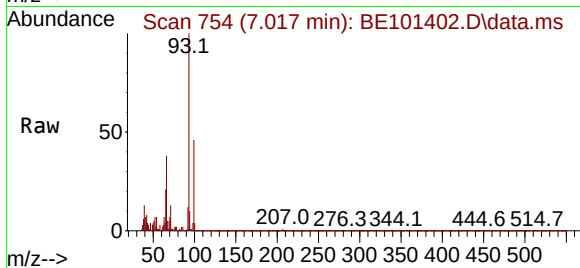
Tgt Ion: 93 Resp: 52563

Ion Ratio Lower Upper

93 100

66 37.9 31.0 46.4

65 20.9 15.5 23.3



#7

Phenol-d6

Concen: 112.161 ng

RT: 6.947 min Scan# 742

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

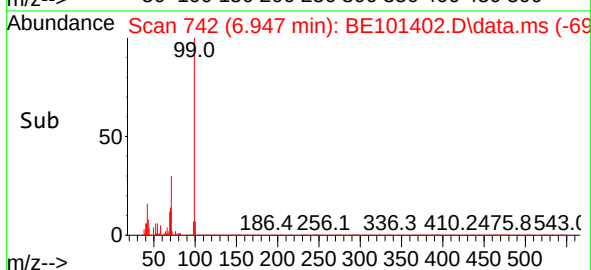
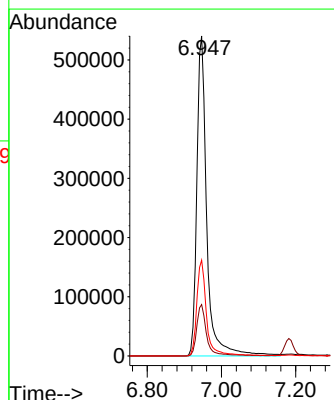
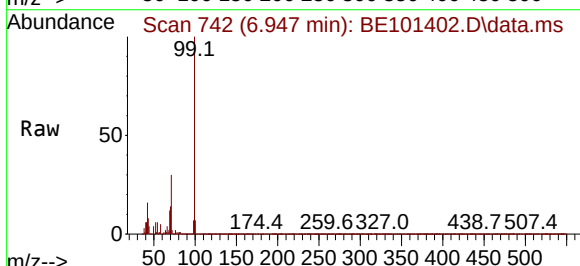
Tgt Ion: 99 Resp: 1007200

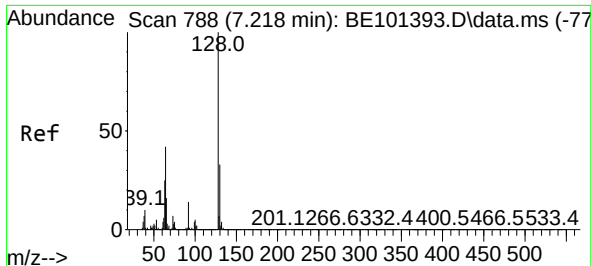
Ion Ratio Lower Upper

99 100

42 16.1 12.3 18.5

71 30.0 23.8 35.8

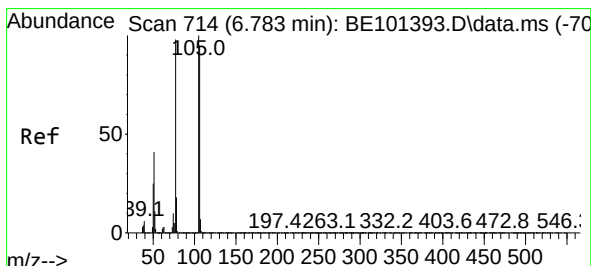
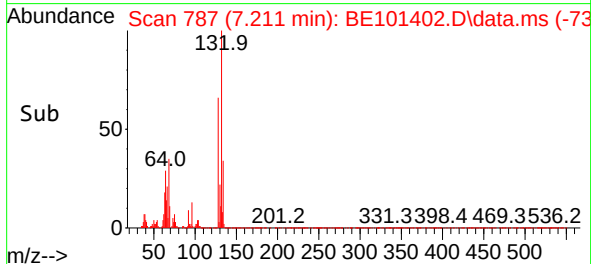
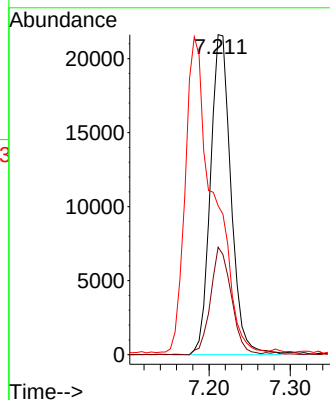
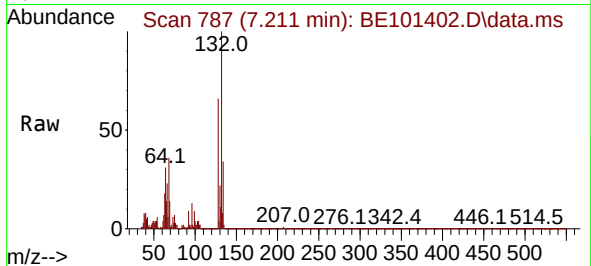




#8
2-Chlorophenol
Concen: 4.882 ng
RT: 7.211 min Scan# 715
Delta R.T. -0.007 min
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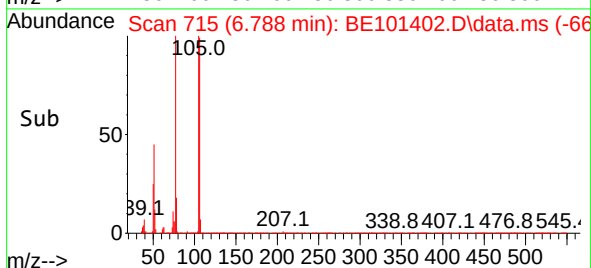
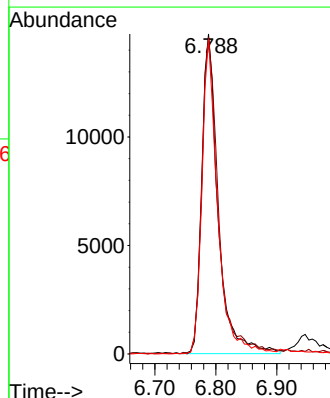
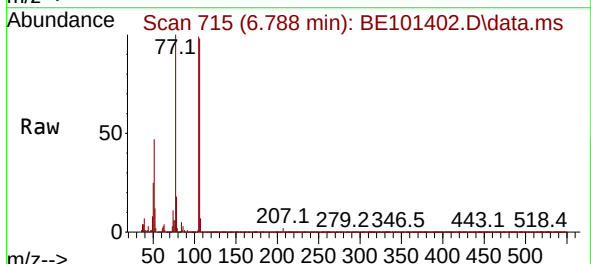
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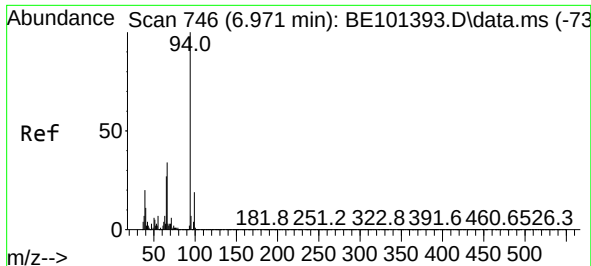
Tgt Ion	128	130	64
Resp:	37919		
Ratio	100	33.6	46.5
Lower		12.9	22.3
Upper		52.9	62.3



#9
Benzaldehyde
Concen: 6.298 ng
RT: 6.788 min Scan# 715
Delta R.T. 0.005 min
Lab File: BE101402.D
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Tgt Ion	77	105	106
Resp:	27302		
Ratio	100	99.1	98.4
Lower		81.9	76.5
Upper		121.9	116.5

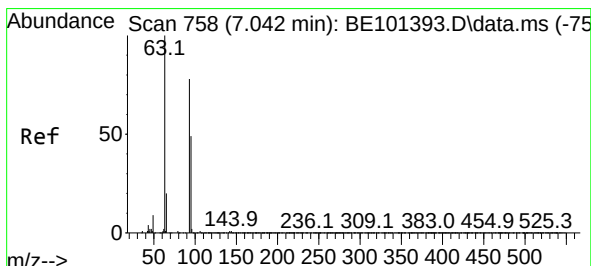
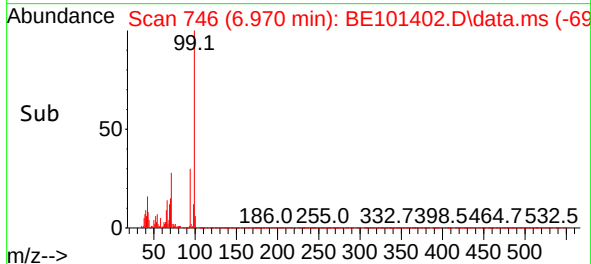
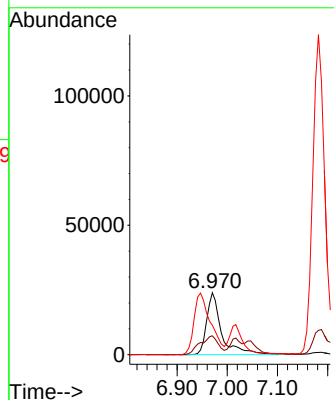
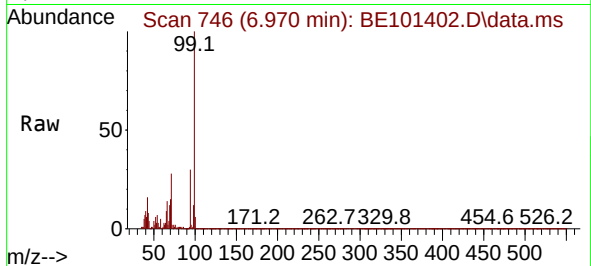




#10
Phenol
Concen: 5.089 ng
RT: 6.970 min Scan# 741
Delta R.T. -0.001 min
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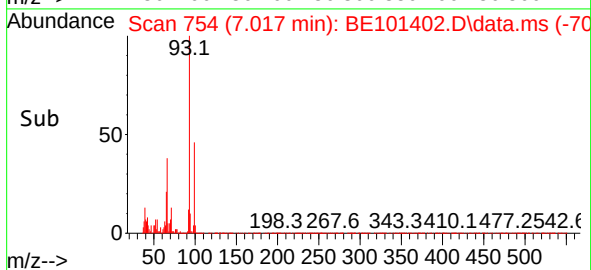
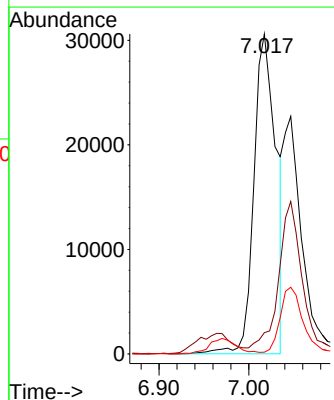
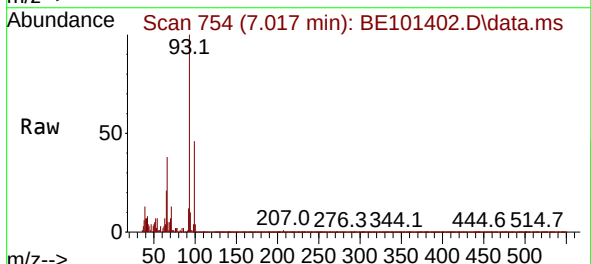
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

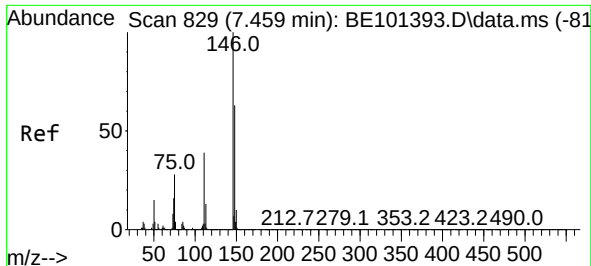
Tgt Ion: 94 Resp: 49587
Ion Ratio Lower Upper
94 100
65 30.4 6.8 46.8
66 47.5 14.0 54.0



#11
bis(2-Chloroethyl)ether
Concen: 6.576 ng
RT: 7.017 min Scan# 754
Delta R.T. -0.024 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion: 93 Resp: 52563
Ion Ratio Lower Upper
93 100
63 6.7 46.3 86.3#
95 0.6 9.6 49.6#





#12

1,3-Dichlorobenzene

Concen: 4.811 ng

RT: 7.458 min Scan# 81

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

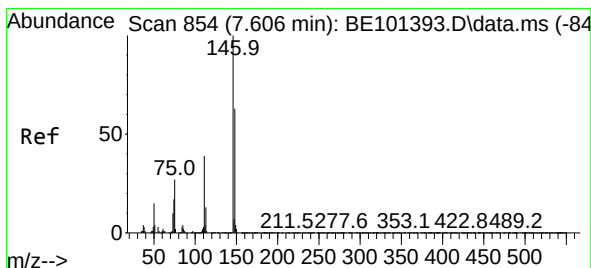
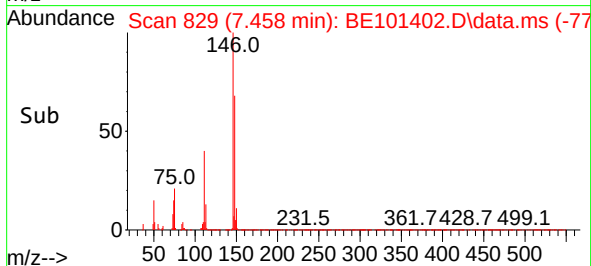
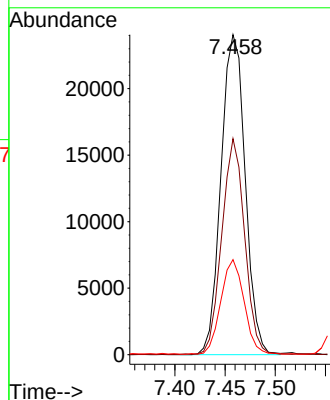
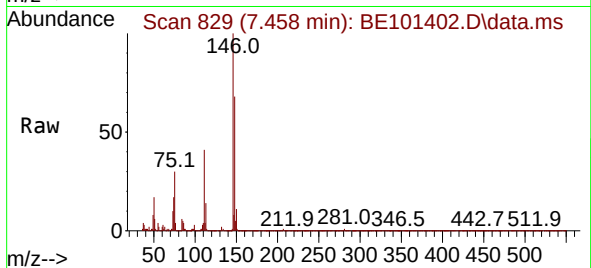
Tgt Ion:146 Resp: 40300

Ion Ratio Lower Upper

146 100

148 67.5 50.5 75.7

75 29.7 22.0 33.0



#13

1,4-Dichlorobenzene

Concen: 4.885 ng

RT: 7.605 min Scan# 854

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

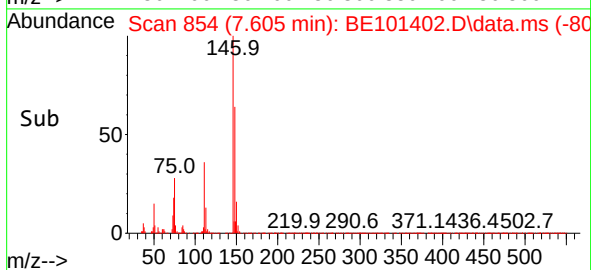
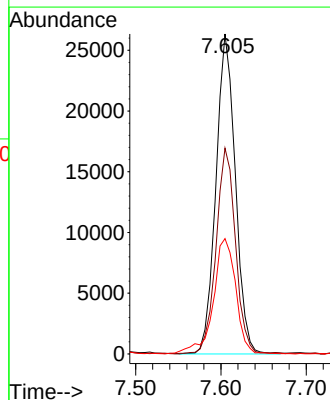
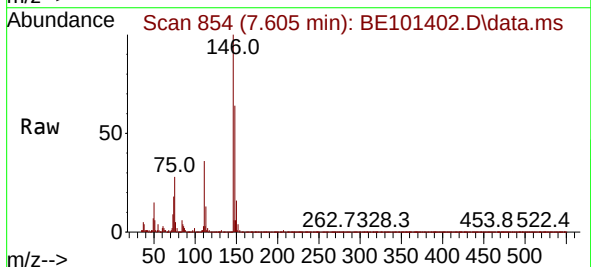
Tgt Ion:146 Resp: 41779

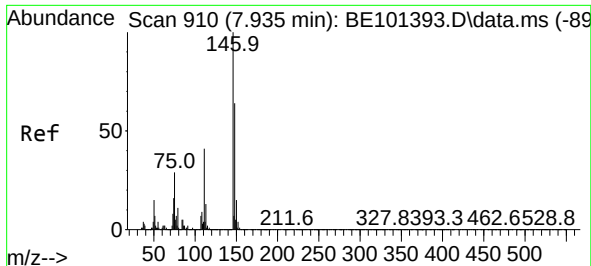
Ion Ratio Lower Upper

146 100

148 64.3 50.2 75.2

111 36.1 31.6 47.4

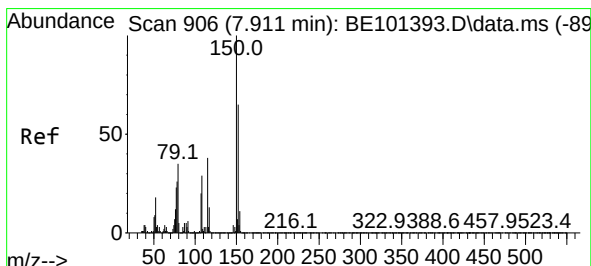
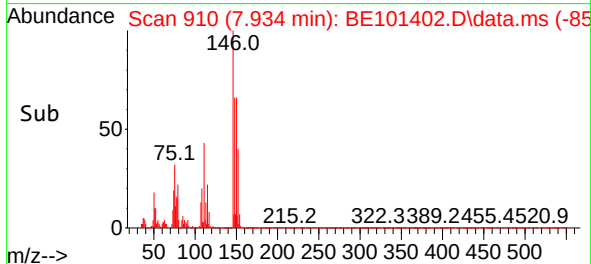
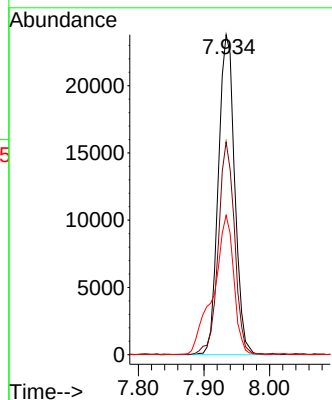
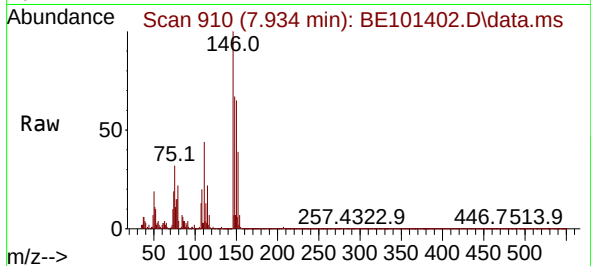




#14
1,2-Dichlorobenzene
Concen: 4.887 ng
RT: 7.934 min Scan# 910
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

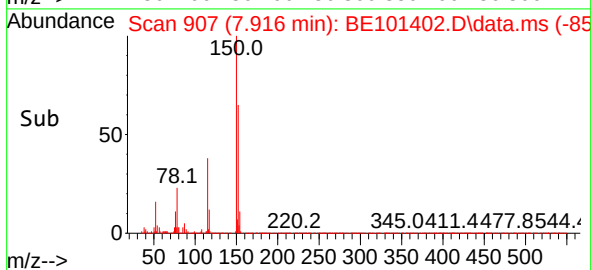
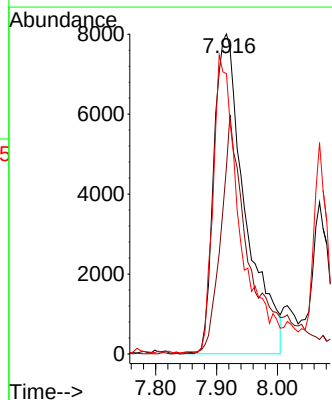
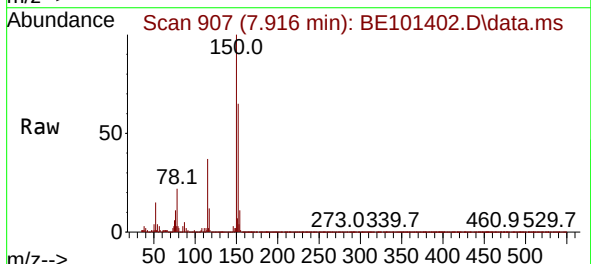
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

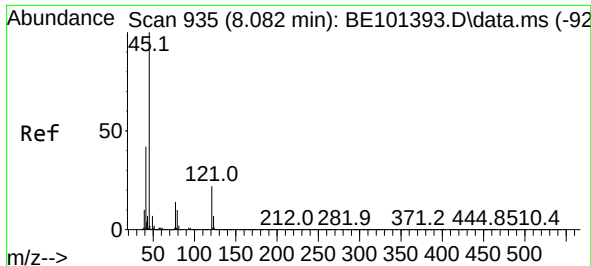
Tgt Ion:146 Resp: 40916
Ion Ratio Lower Upper
146 100
148 66.5 51.4 77.2
111 43.6 32.8 49.2



#15
Benzyl Alcohol
Concen: 5.337 ng
RT: 7.916 min Scan# 907
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion: 79 Resp: 28567
Ion Ratio Lower Upper
79 100
108 58.4 66.1 99.1#
77 87.6 53.1 79.7#

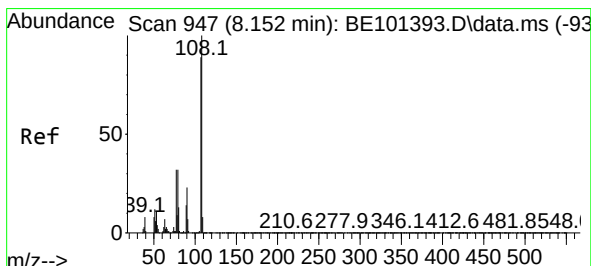
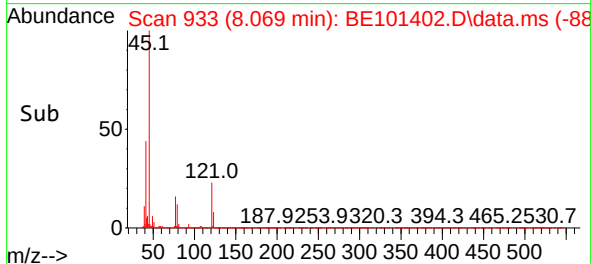
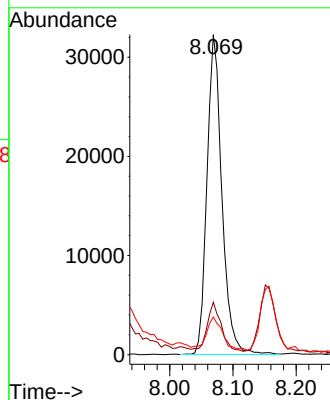
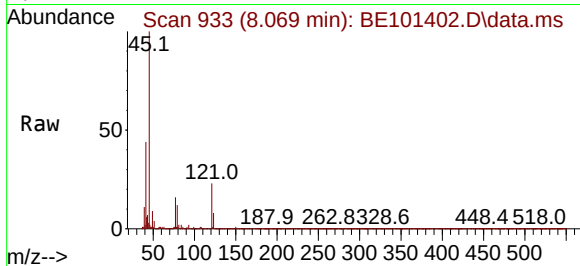




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.268 ng
RT: 8.069 min Scan# 91
Delta R.T. -0.013 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

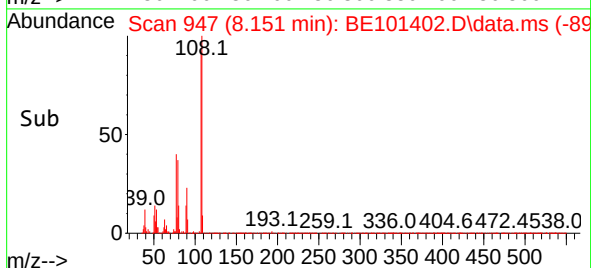
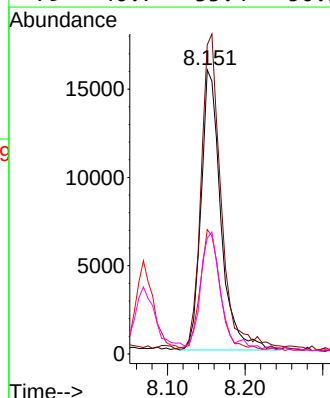
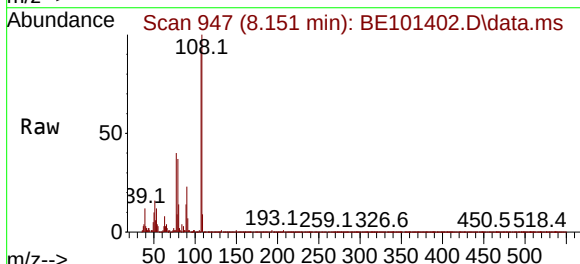
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

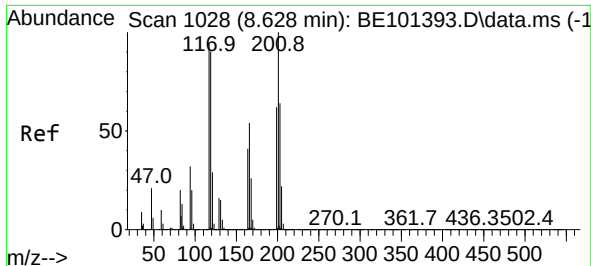
Tgt Ion:	45	Resp:	52994
Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	34.5
79	11.8	0.0	31.8



#17
2-Methylphenol
Concen: 4.271 ng
RT: 8.151 min Scan# 947
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:	107	Resp:	28168
Ion	Ratio	Lower	Upper
107	100		
108	108.8	90.0	135.0
77	43.7	34.2	51.4
79	40.7	33.4	50.2

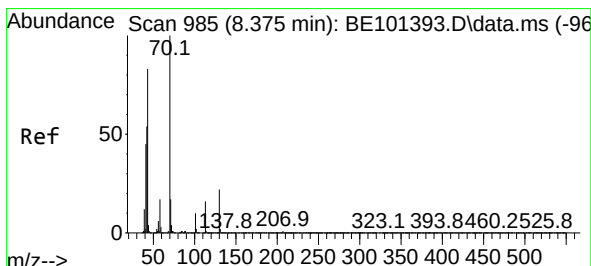
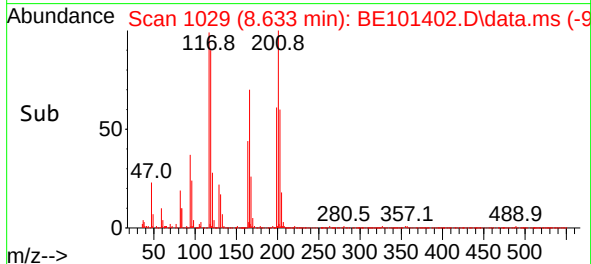
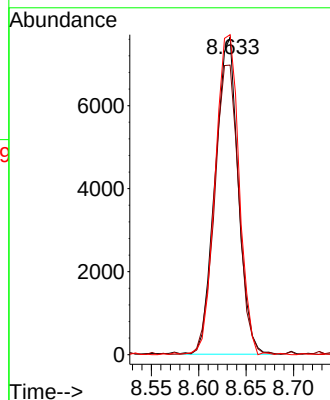
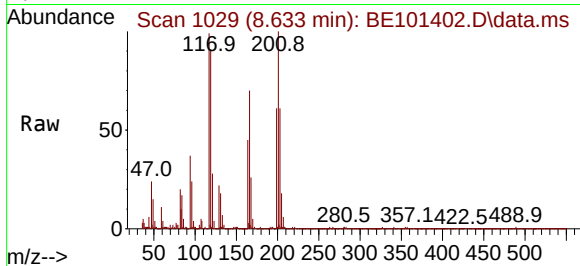




#18
Hexachloroethane
Concen: 4.628 ng
RT: 8.633 min Scan# 1029
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

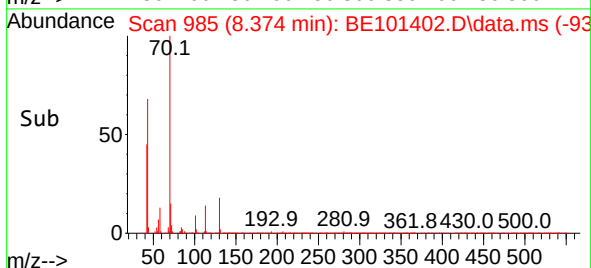
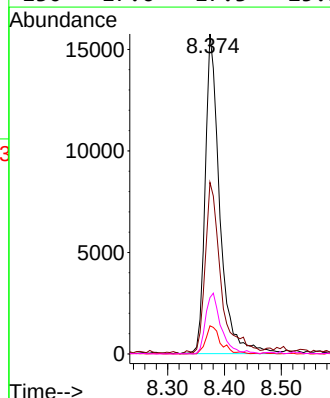
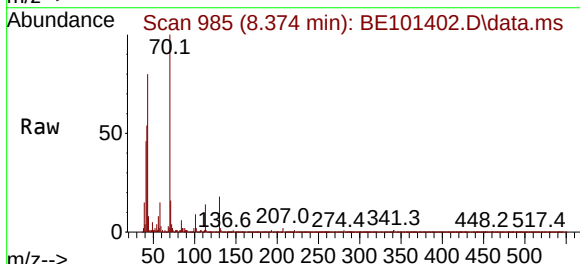
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

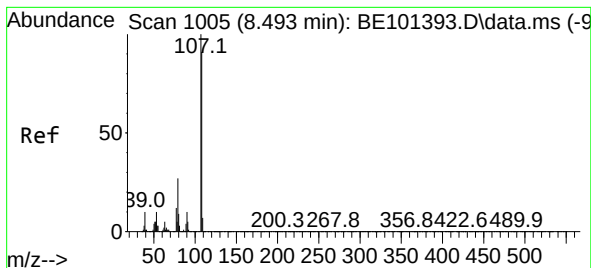
Tgt Ion:117 Resp: 12928
Ion Ratio Lower Upper
117 100
119 91.2 77.0 115.4
201 102.8 85.3 127.9



#19
n-Nitroso-di-n-propylamine
Concen: 4.714 ng
RT: 8.374 min Scan# 985
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion: 70 Resp: 28091
Ion Ratio Lower Upper
70 100
42 53.6 43.4 65.0
101 8.8 8.1 12.1
130 17.6 17.3 25.9





#20

3+4-Methylphenols

Concen: 4.155 ng

RT: 8.492 min Scan# 1005

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:107 Resp: 37825

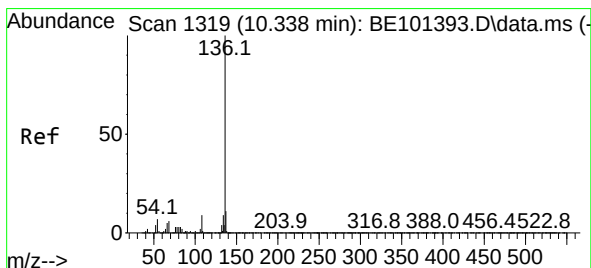
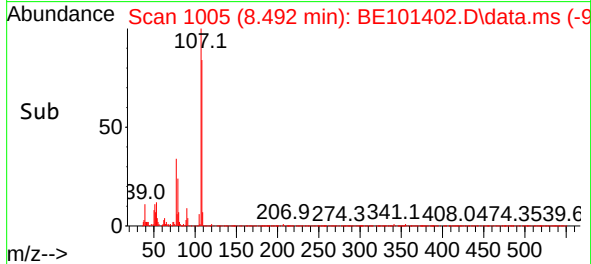
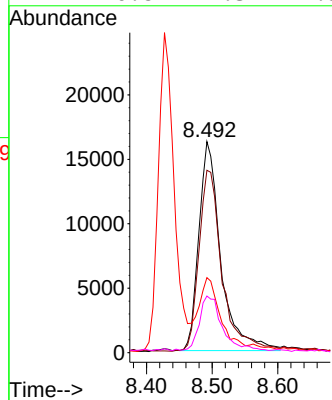
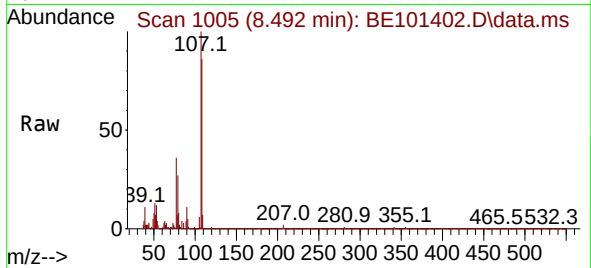
Ion Ratio Lower Upper

107 100

108 86.4 70.6 110.6

77 35.6 11.3 51.3

79 26.8 7.3 47.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.337 min Scan# 1319

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Tgt Ion:136 Resp: 556352

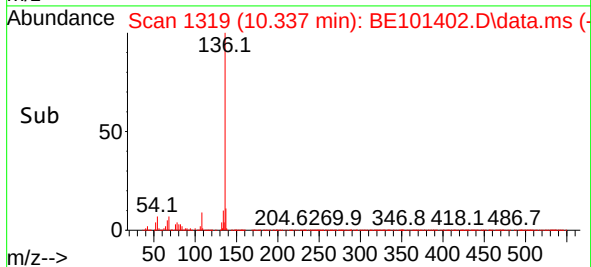
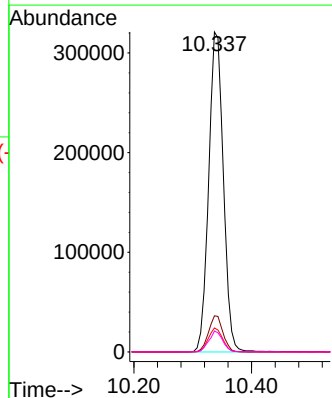
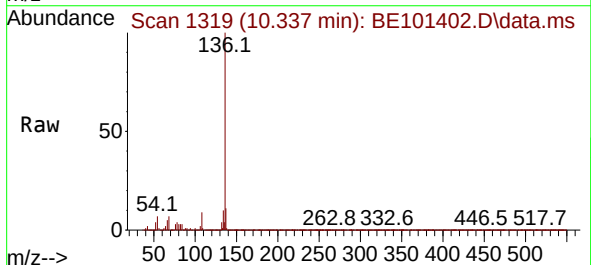
Ion Ratio Lower Upper

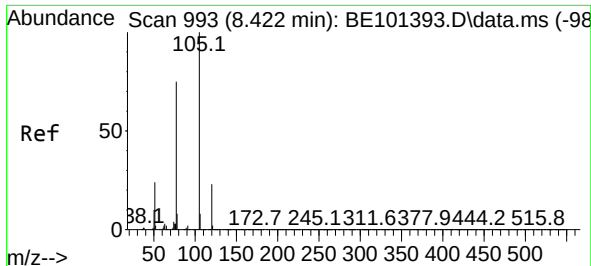
136 100

137 11.3 9.0 13.6

54 7.5 5.9 8.9

68 6.6 4.8 7.2

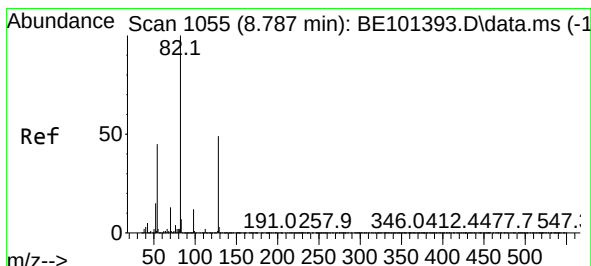
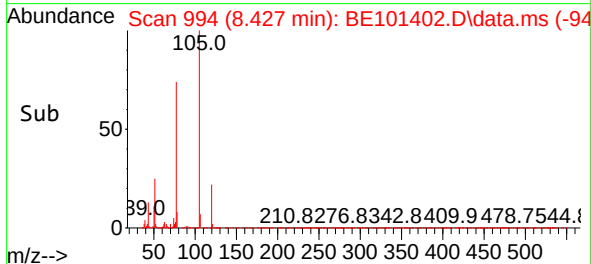
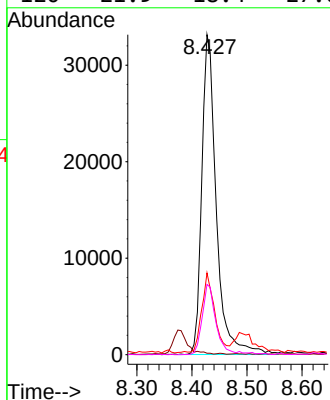
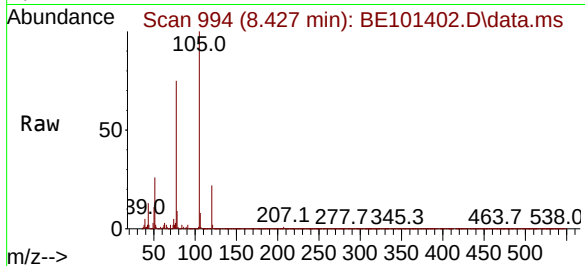




#22
Acetophenone
Concen: 4.824 ng
RT: 8.427 min Scan# 994
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

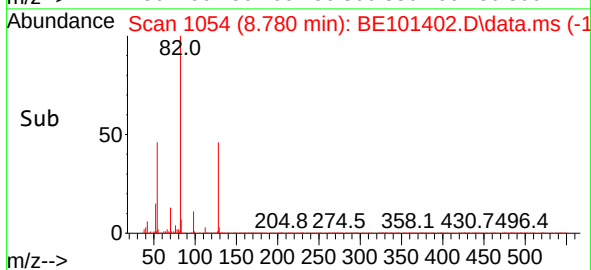
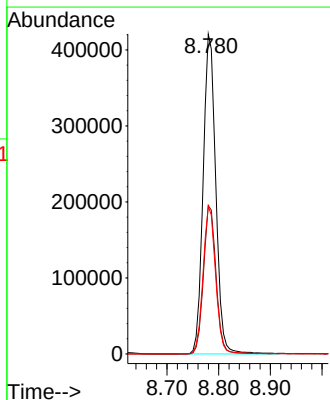
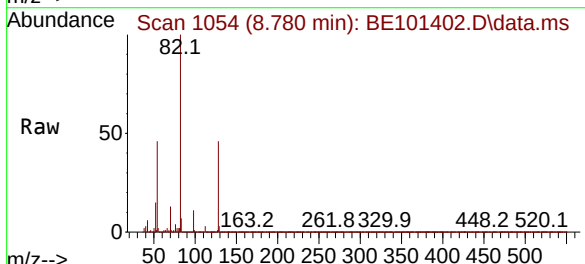
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

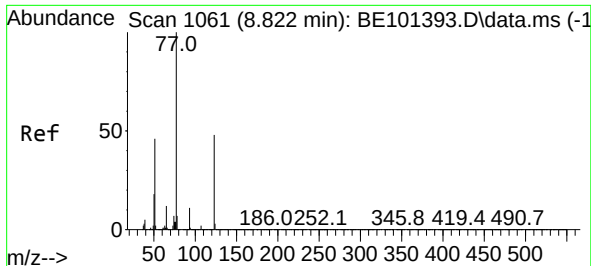
Tgt Ion:105 Resp: 60939
Ion Ratio Lower Upper
105 100
71 0.4 0.1 0.1#
51 25.6 19.4 29.0
120 21.9 18.4 27.6



#23
Nitrobenzene-d5
Concen: 80.669 ng
RT: 8.780 min Scan# 1054
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion: 82 Resp: 714555
Ion Ratio Lower Upper
82 100
128 46.4 38.9 58.3
54 46.2 36.2 54.4

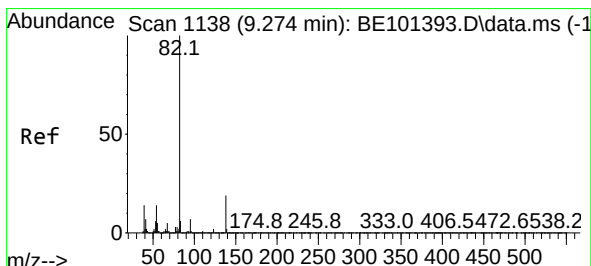
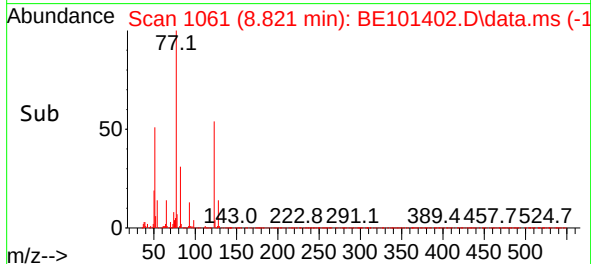
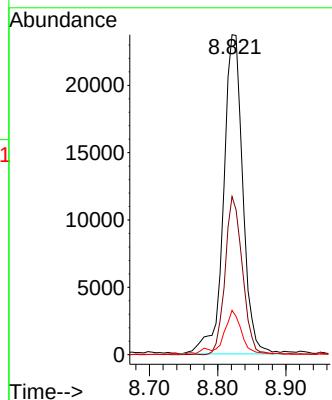
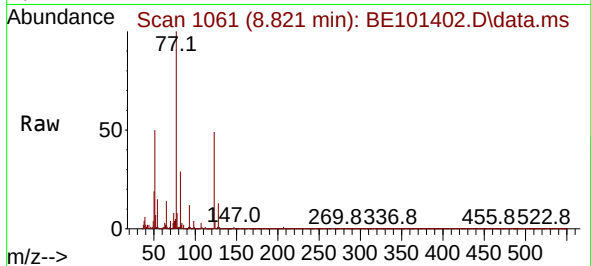




#24
Nitrobenzene
Concen: 4.937 ng
RT: 8.821 min Scan# 1061
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

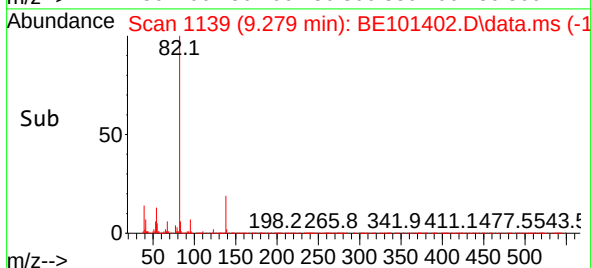
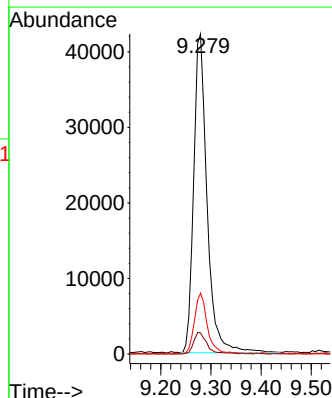
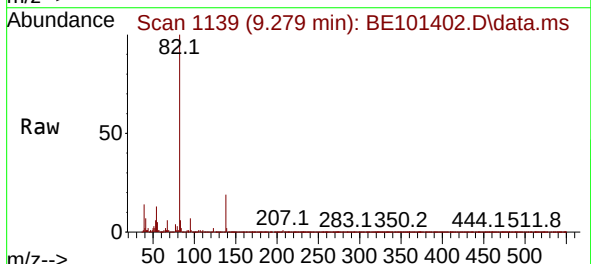
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

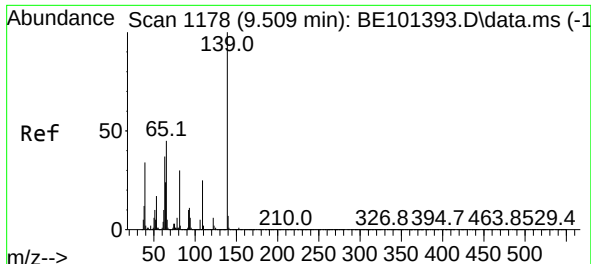
Tgt Ion:	77	Resp:	46549
Ion	Ratio	Lower	Upper
77	100		
123	49.4	38.7	58.1
65	13.8	10.0	15.0



#25
Isophorone
Concen: 4.516 ng
RT: 9.279 min Scan# 1139
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:	82	Resp:	78053
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.5	8.3
138	19.0	15.0	22.4

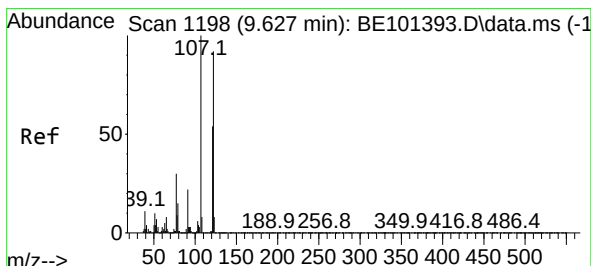
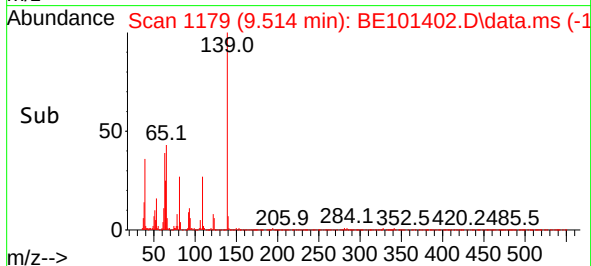
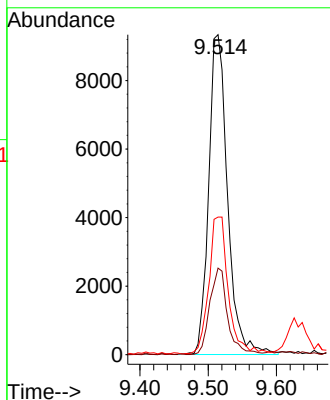
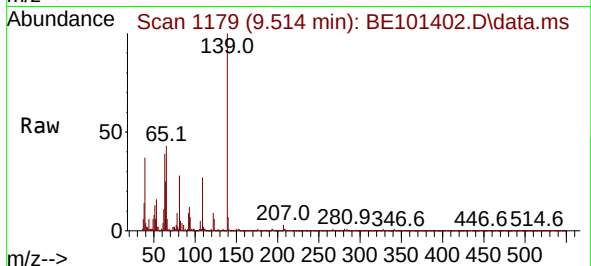




#26
2-Nitrophenol
Concen: 3.954 ng
RT: 9.514 min Scan# 1178
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

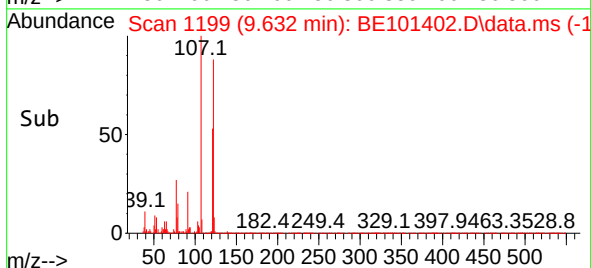
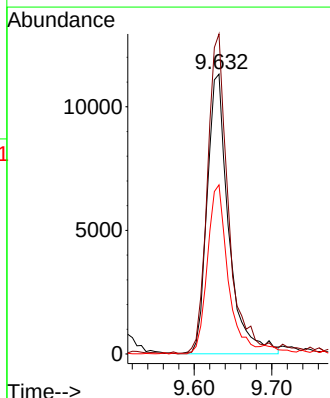
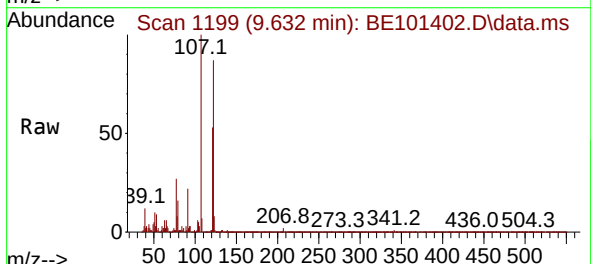
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

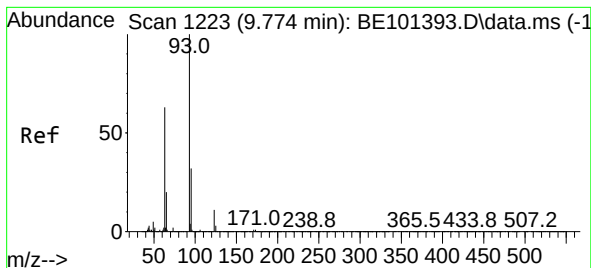
Tgt Ion:139	Resp:	18016
Ion Ratio	Lower	Upper
139	100	
109	27.0	20.1 30.1
65	43.0	36.0 54.0



#27
2,4-Dimethylphenol
Concen: 3.797 ng
RT: 9.632 min Scan# 1199
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:122	Resp:	21772
Ion Ratio	Lower	Upper
122	100	
107	114.4	87.4 131.0
121	60.5	47.4 71.0

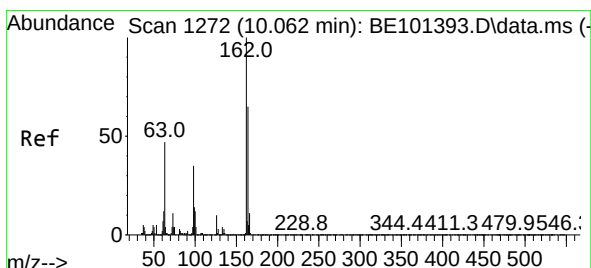
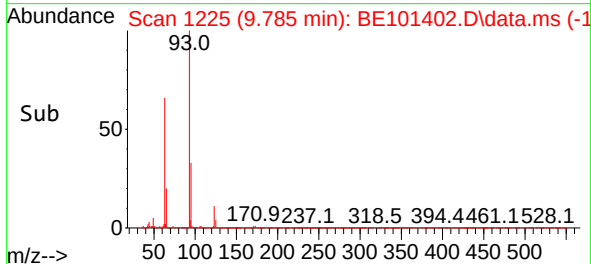
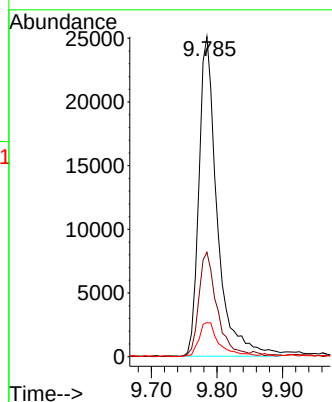
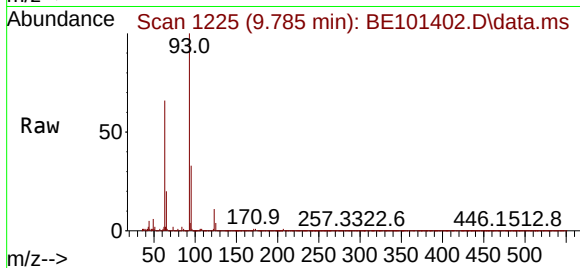




#28
bis(2-Chloroethoxy)methane
Concen: 4.645 ng
RT: 9.785 min Scan# 1223
Delta R.T. 0.011 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

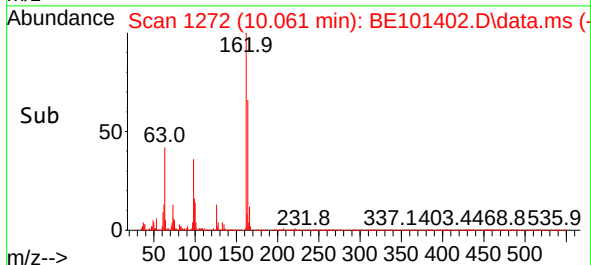
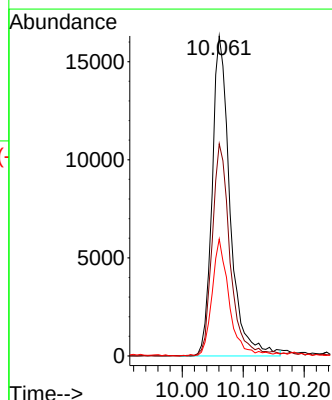
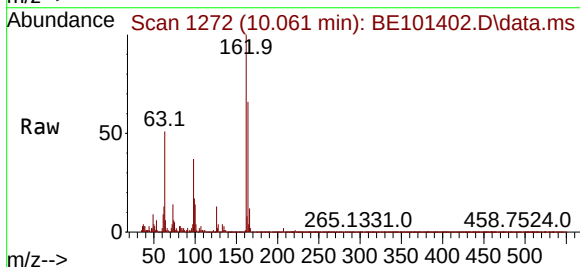
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

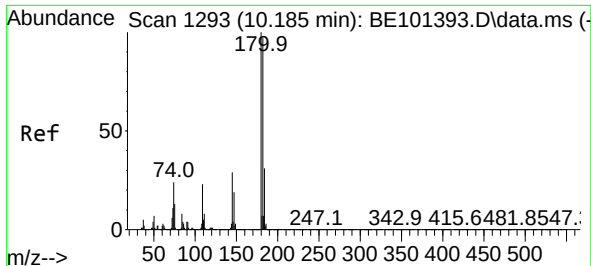
Tgt Ion:	93	Resp:	48690
Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.6
123	10.7	8.6	13.0



#29
2,4-Dichlorophenol
Concen: 4.208 ng
RT: 10.061 min Scan# 1272
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:	162	Resp:	33381
Ion	Ratio	Lower	Upper
162	100		
164	66.3	45.4	85.4
98	36.6	14.5	54.5

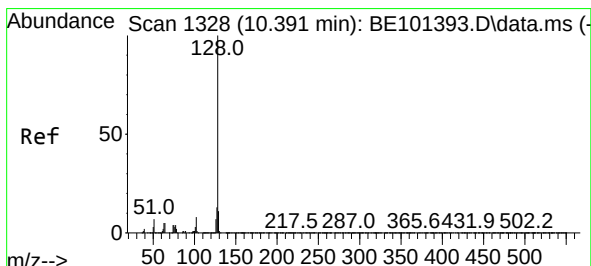
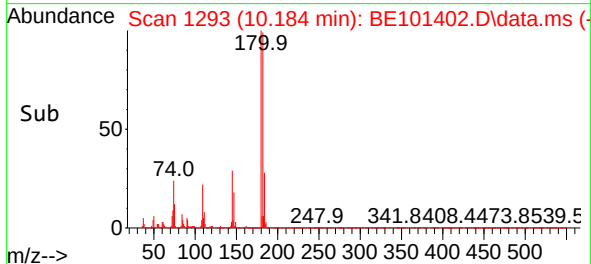
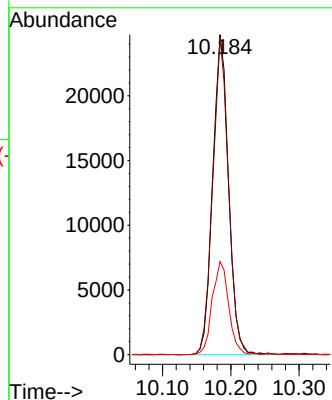
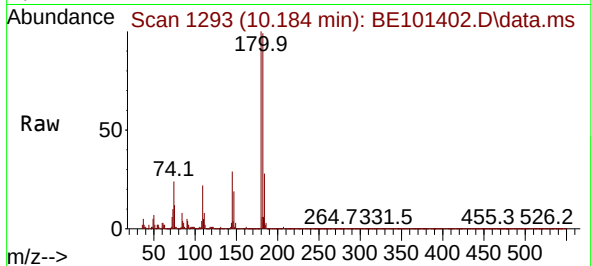




#30
1,2,4-Trichlorobenzene
Concen: 4.636 ng
RT: 10.184 min Scan# 1293
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

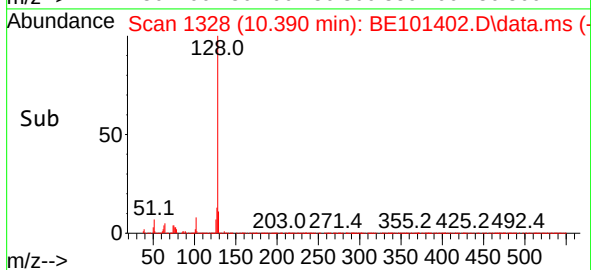
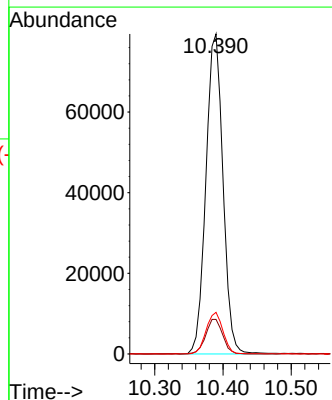
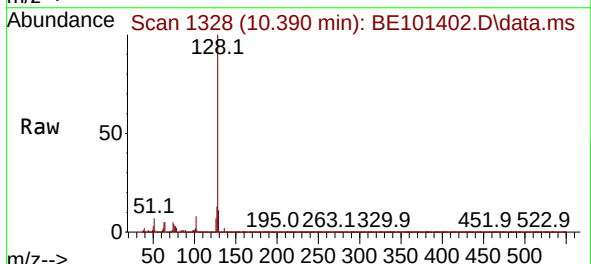
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

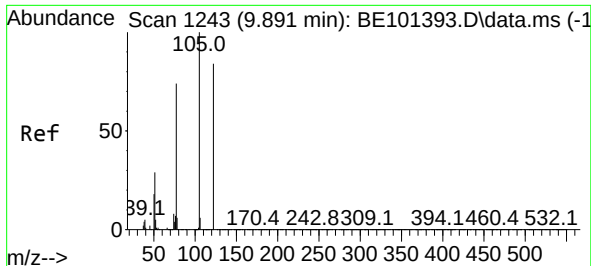
Tgt Ion:180 Resp: 40058
Ion Ratio Lower Upper
180 100
182 99.2 77.4 116.0
145 29.1 23.3 34.9



#31
Naphthalene
Concen: 4.868 ng
RT: 10.390 min Scan# 1328
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:128 Resp: 138015
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.0 10.3 15.5

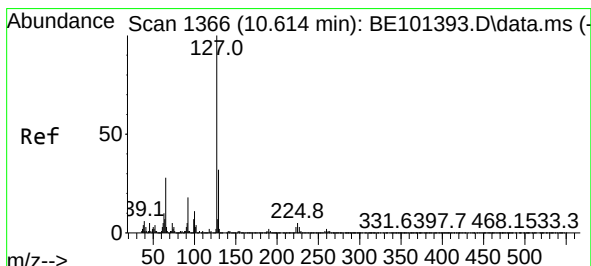
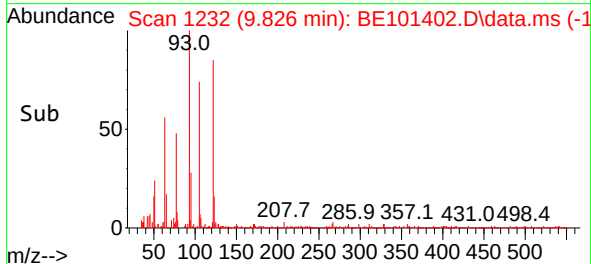
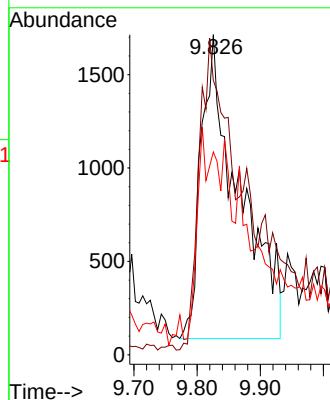
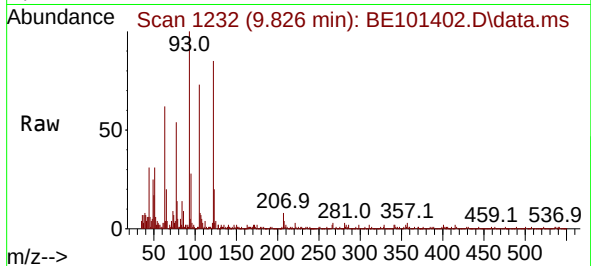




#32
Benzoic acid
Concen: 9.172 ng
RT: 9.826 min Scan# 11
Delta R.T. -0.065 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

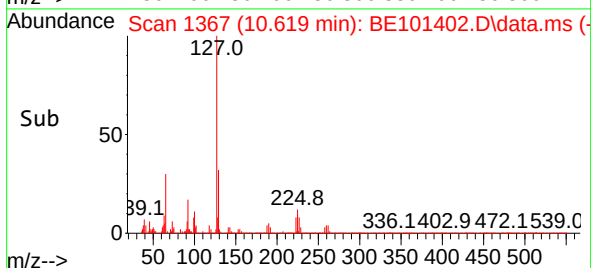
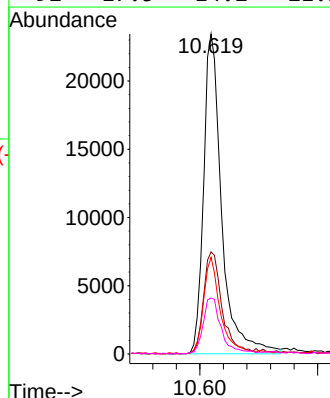
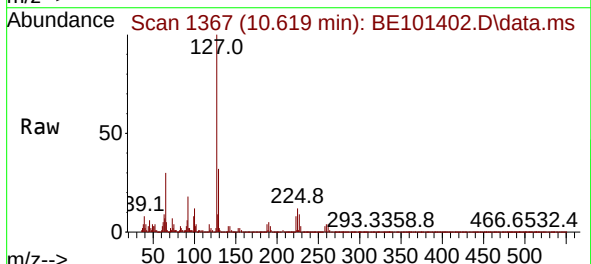
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

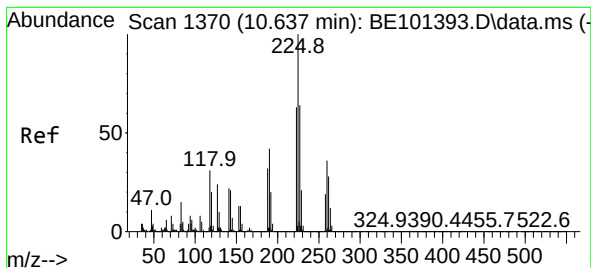
Tgt Ion:122 Resp: 6808
Ion Ratio Lower Upper
122 100
105 85.7 97.9 137.9#
77 63.4 68.1 108.1#



#33
4-Chloroaniline
Concen: 5.072 ng
RT: 10.619 min Scan# 1367
Delta R.T. 0.005 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:127 Resp: 50006
Ion Ratio Lower Upper
127 100
129 31.9 25.7 38.5
65 30.2 22.2 33.4
92 17.5 14.2 21.2





#34

Hexachlorobutadiene

Concen: 4.462 ng

RT: 10.637 min Scan# 11

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

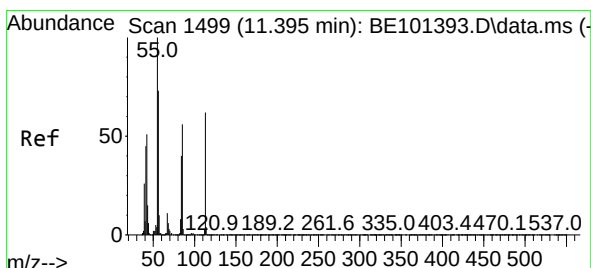
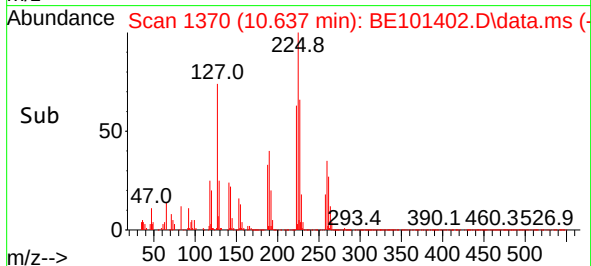
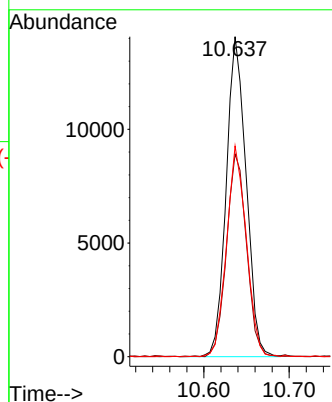
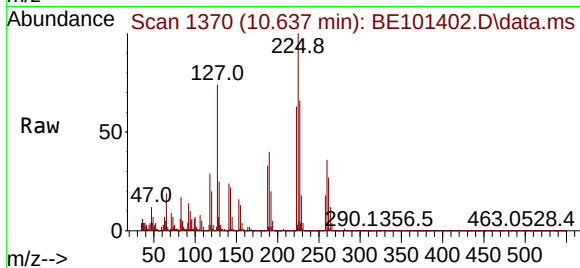
Tgt Ion:225 Resp: 22825

Ion Ratio Lower Upper

225 100

223 63.4 50.5 75.7

227 65.8 51.0 76.6



#35

Caprolactam

Concen: 3.476 ng

RT: 11.400 min Scan# 1500

Delta R.T. 0.005 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

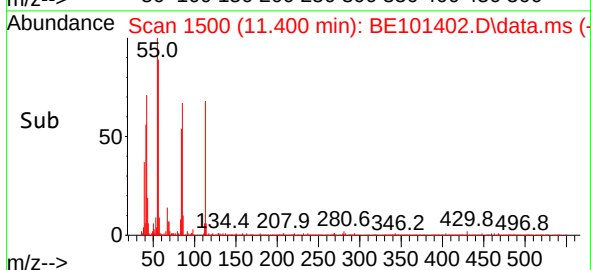
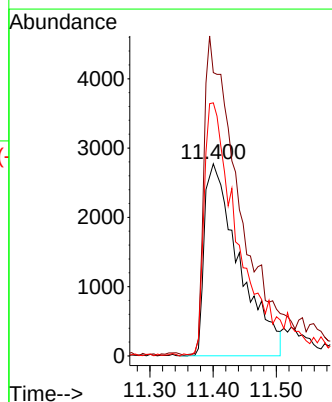
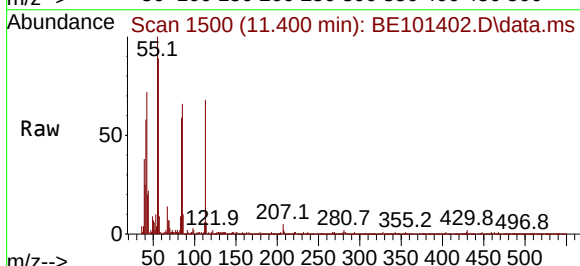
Tgt Ion:113 Resp: 10568

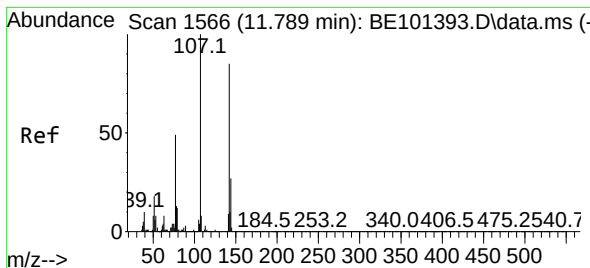
Ion Ratio Lower Upper

113 100

55 147.5 141.2 181.2

56 131.7 96.9 136.9

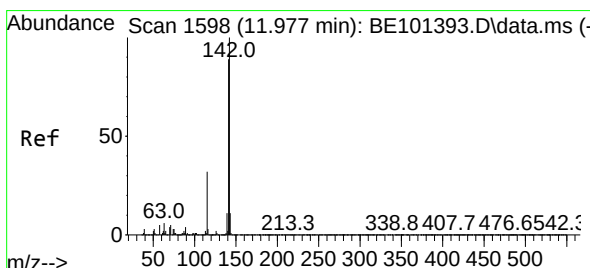
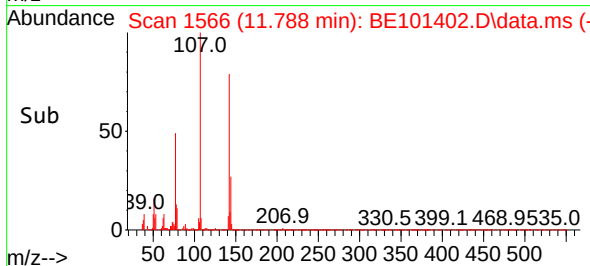
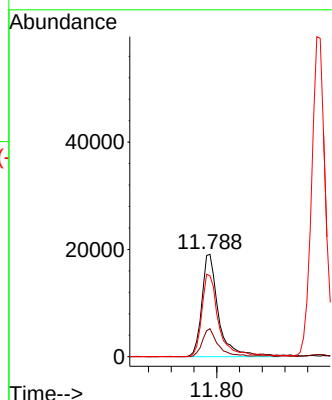
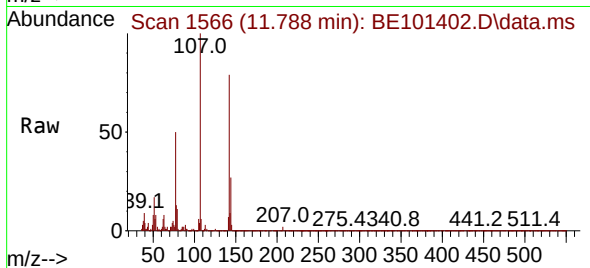




#36
4-Chloro-3-methylphenol
Concen: 4.297 ng
RT: 11.788 min Scan# 1566
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

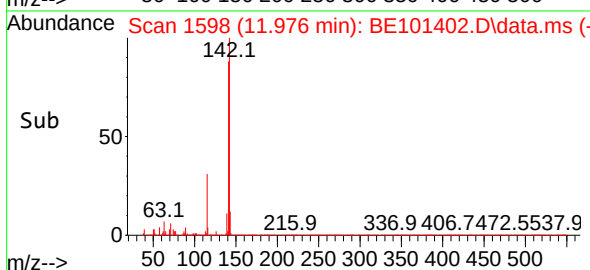
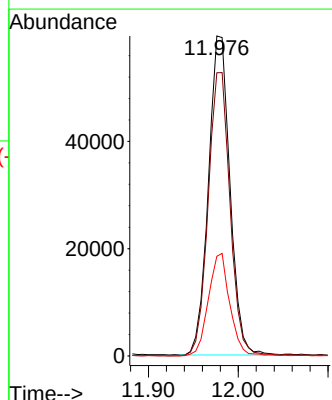
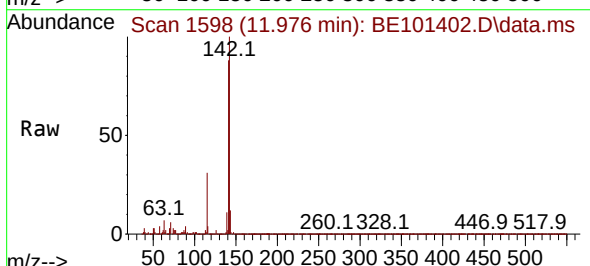
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

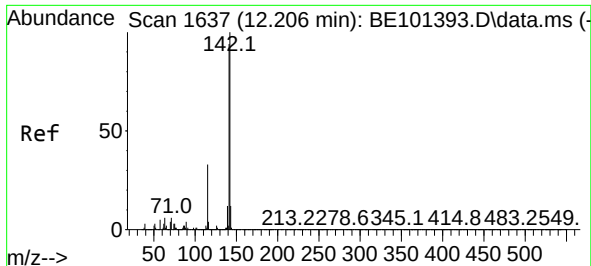
Tgt Ion:	107	Resp:	38811
Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.9	32.9
142	79.2	68.0	102.0



#37
2-Methylnaphthalene
Concen: 4.859 ng
RT: 11.976 min Scan# 1598
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:	142	Resp:	99239
Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.4	107.2
115	31.2	25.6	38.4

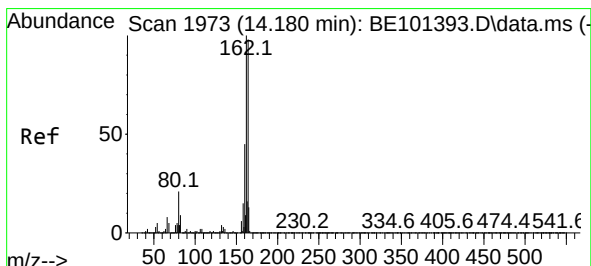
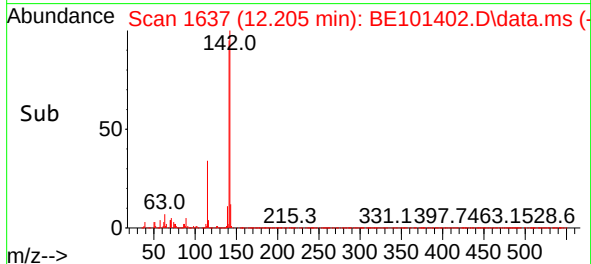
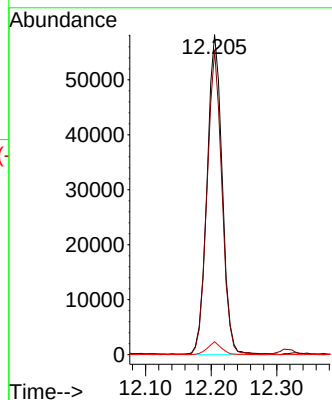
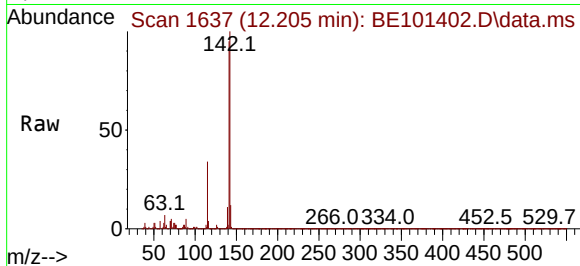




#38
1-Methylnaphthalene
Concen: 4.604 ng
RT: 12.205 min Scan# 1637
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

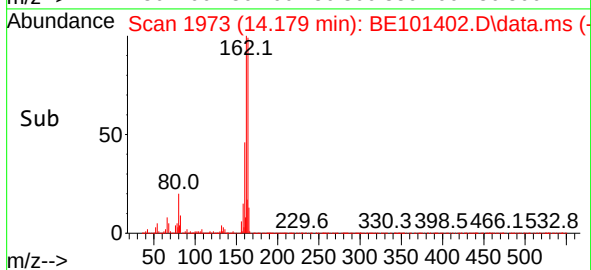
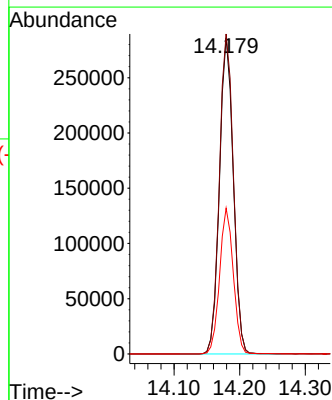
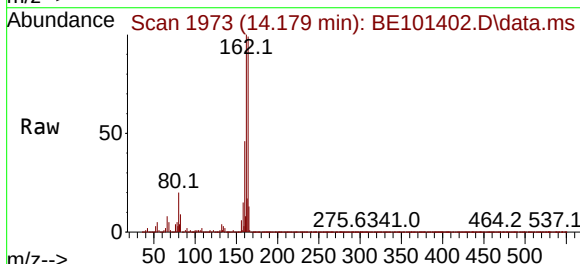
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT4-2024

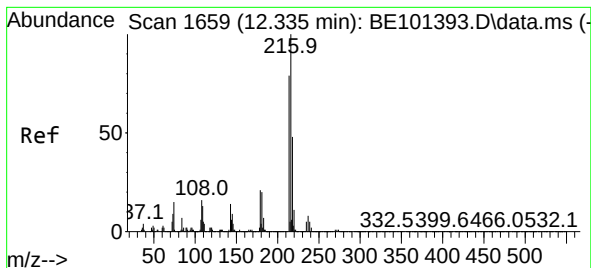
Tgt Ion:	142	Resp:	93845
Ion	Ratio	Lower	Upper
142	100		
141	95.1	75.0	112.4
116	4.1	2.9	4.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.179 min Scan# 1973
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:	164	Resp:	415788
Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.3	121.9
160	46.1	36.4	54.6





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.758 ng

RT: 12.335 min Scan# 1

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:216 Resp: 49665

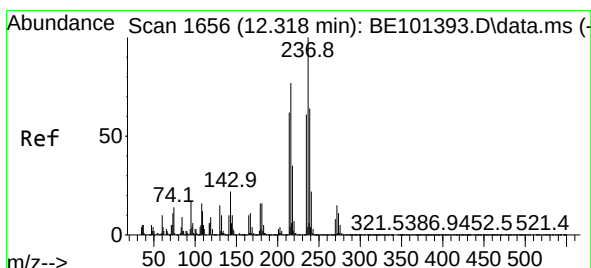
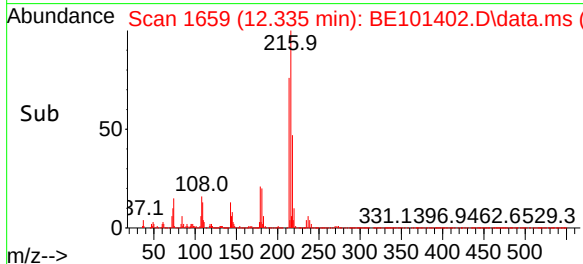
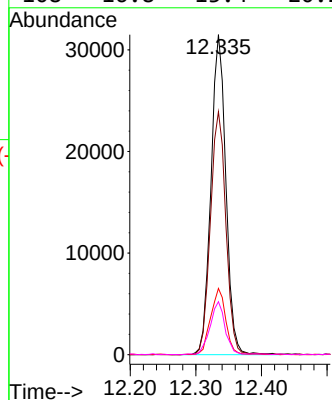
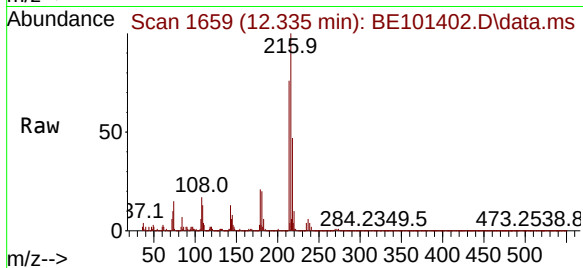
Ion Ratio Lower Upper

216 100

214 78.5 63.0 94.4

179 21.0 16.7 25.1

108 16.8 13.4 20.2



#41

Hexachlorocyclopentadiene

Concen: 4.102 ng

RT: 12.317 min Scan# 1656

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

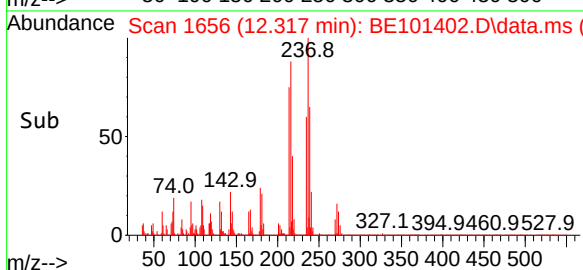
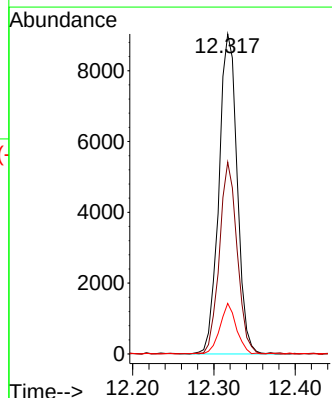
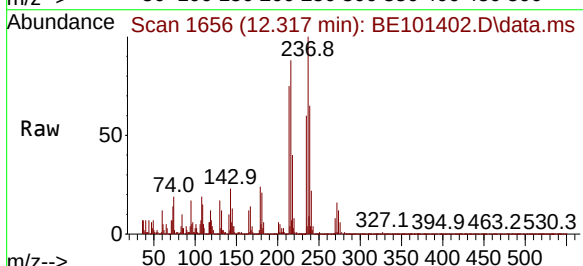
Tgt Ion:237 Resp: 14140

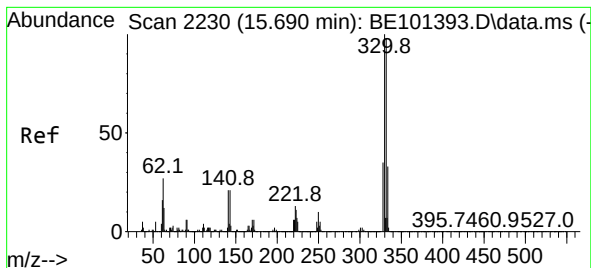
Ion Ratio Lower Upper

237 100

235 60.0 41.3 81.3

272 15.8 0.0 34.6





#42

2,4,6-Tribromophenol

Concen: 117.478 ng

RT: 15.689 min Scan# 21

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

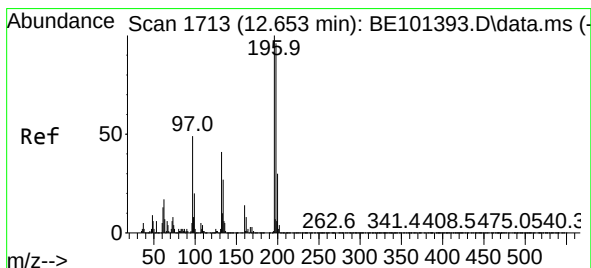
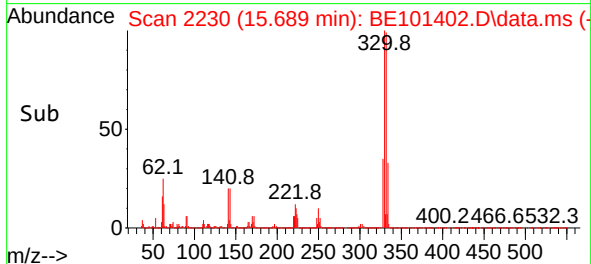
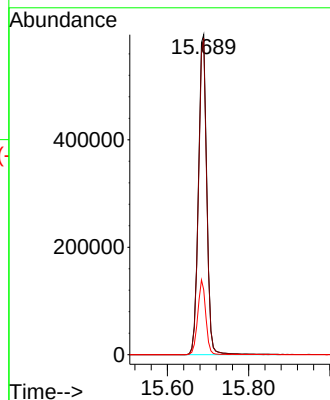
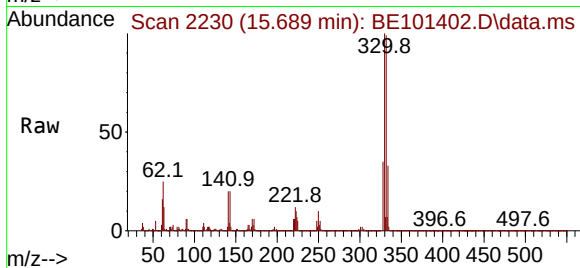
Tgt Ion:330 Resp: 856111

Ion Ratio Lower Upper

330 100

332 97.0 78.2 117.2

141 22.4 18.3 27.5



#43

2,4,6-Trichlorophenol

Concen: 4.096 ng

RT: 12.652 min Scan# 1713

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

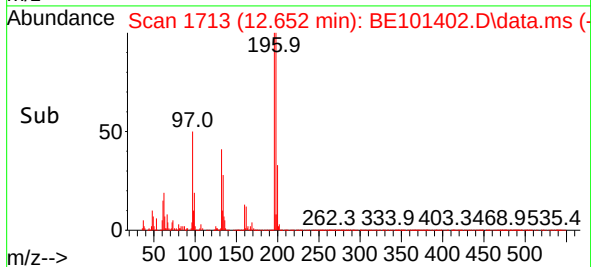
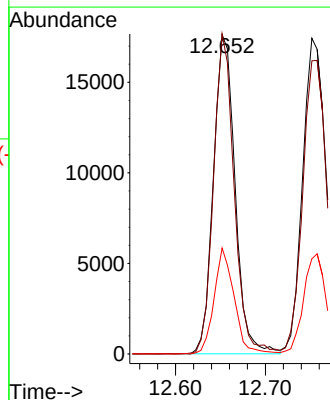
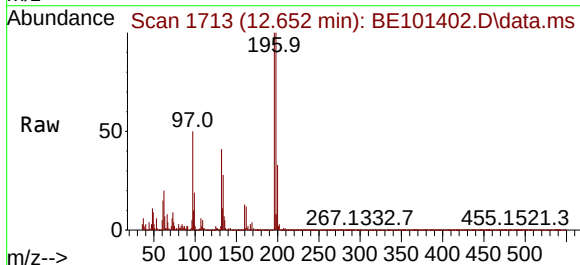
Tgt Ion:196 Resp: 29473

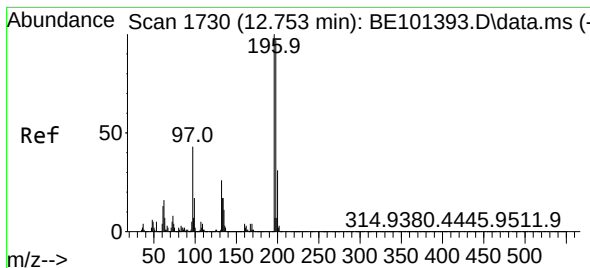
Ion Ratio Lower Upper

196 100

198 100.2 76.6 115.0

200 33.2 24.1 36.1





#44

2,4,5-Trichlorophenol

Concen: 4.006 ng

RT: 12.752 min Scan# 1730

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:196 Resp: 33006

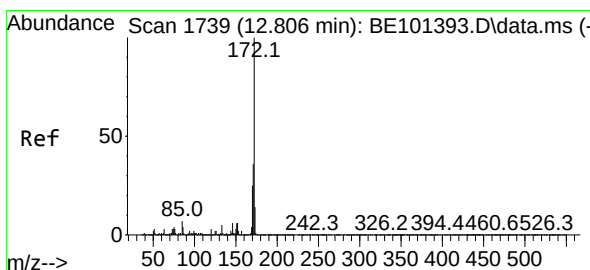
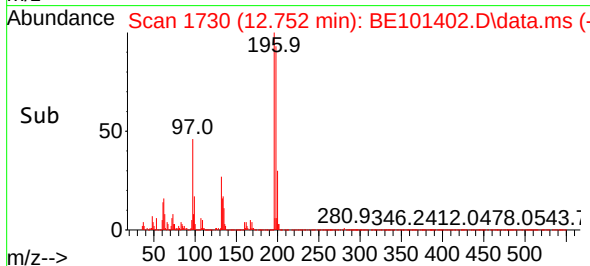
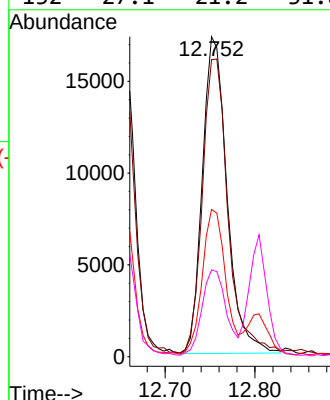
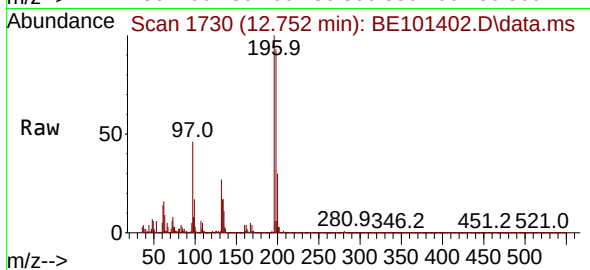
Ion Ratio Lower Upper

196 100

198 92.8 77.4 116.0

97 46.0 34.8 52.2

132 27.1 21.2 31.8



#45

2-Fluorobiphenyl

Concen: 81.520 ng

RT: 12.805 min Scan# 1739

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

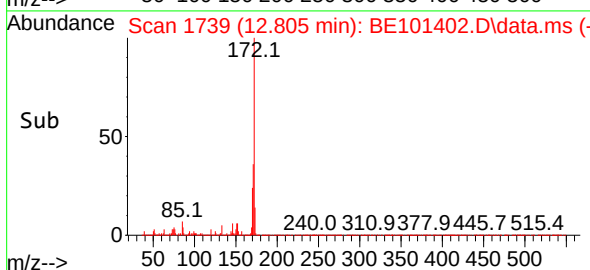
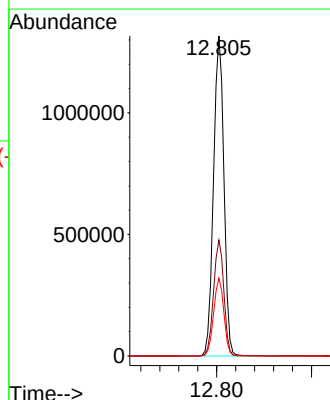
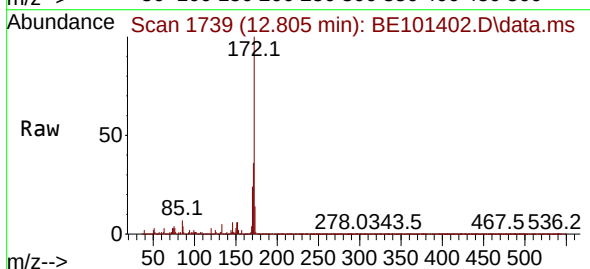
Tgt Ion:172 Resp: 2001423

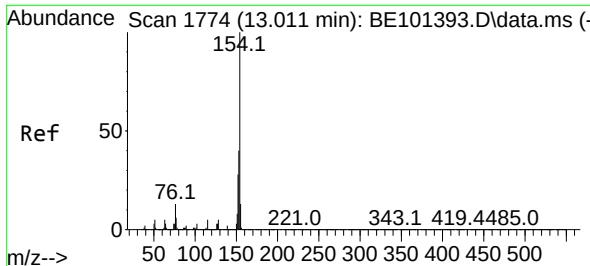
Ion Ratio Lower Upper

172 100

171 36.2 29.2 43.8

170 24.3 19.8 29.6

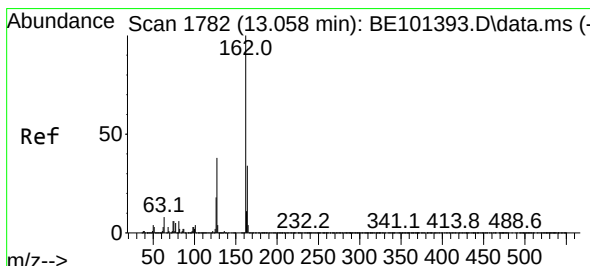
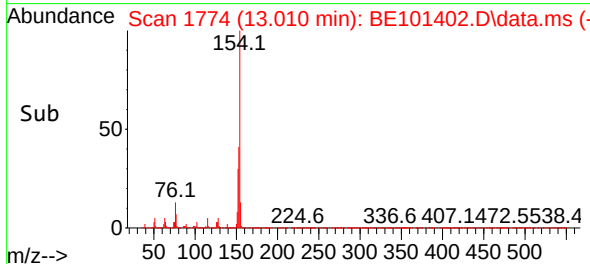
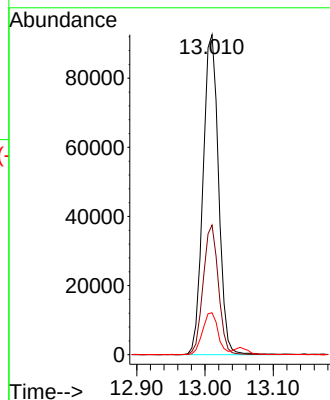
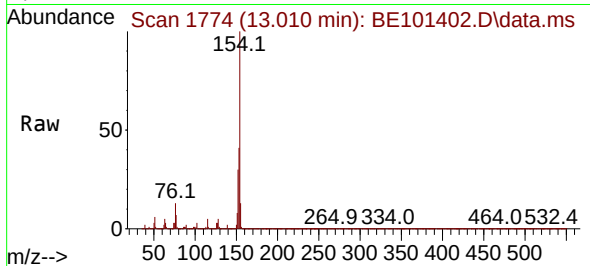




#46
1,1'-Biphenyl
Concen: 5.137 ng
RT: 13.010 min Scan# 1774
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

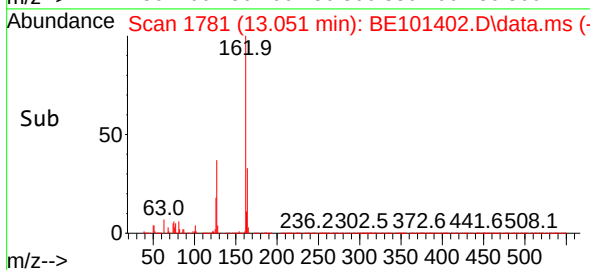
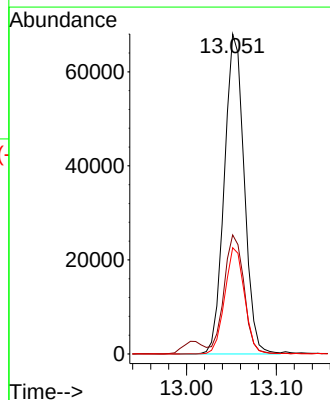
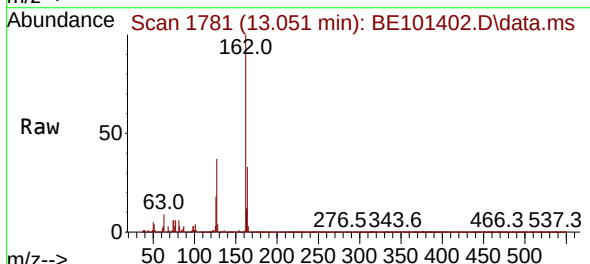
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

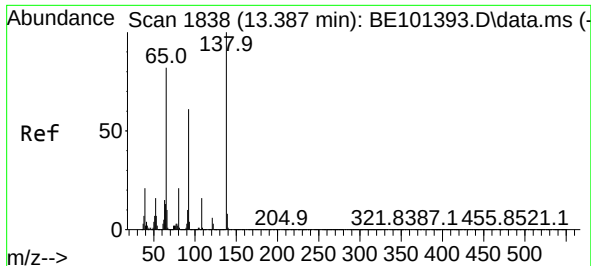
Tgt Ion:154 Resp: 146336
Ion Ratio Lower Upper
154 100
153 40.5 20.3 60.3
76 13.1 0.0 32.6



#47
2-Chloronaphthalene
Concen: 4.645 ng
RT: 13.051 min Scan# 1781
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:162 Resp: 104534
Ion Ratio Lower Upper
162 100
127 37.2 30.4 45.6
164 33.2 27.0 40.6

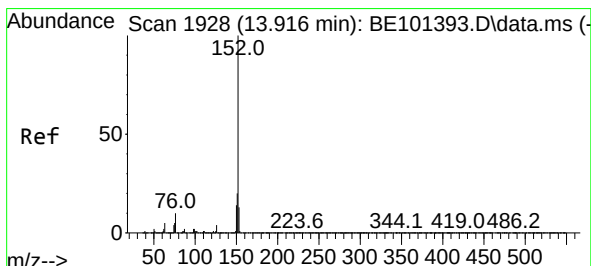
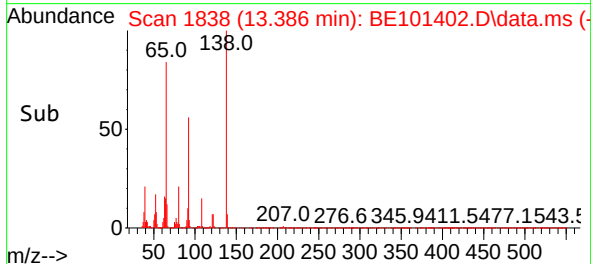
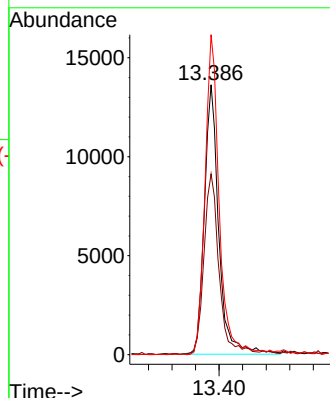
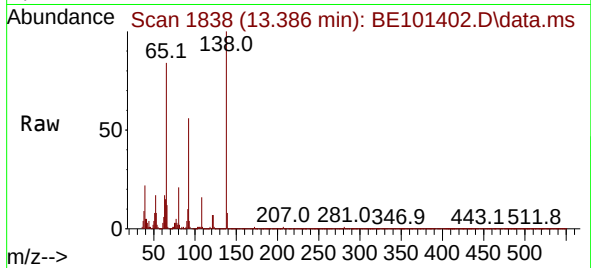




#48
2-Nitroaniline
Concen: 3.811 ng
RT: 13.386 min Scan# 1838
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

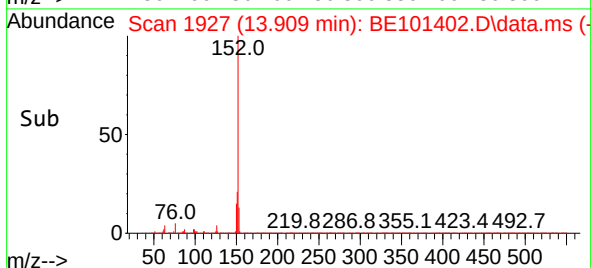
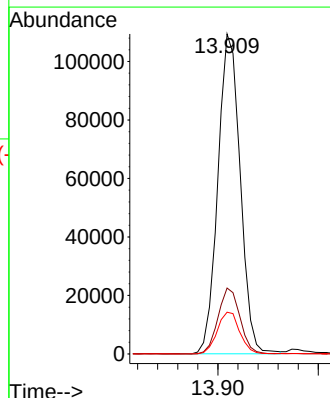
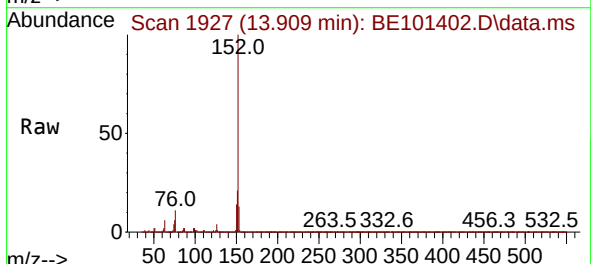
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

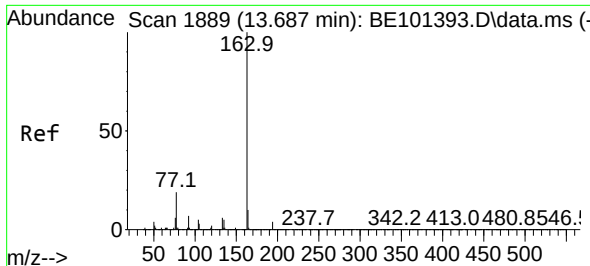
Tgt Ion: 65 Resp: 23080
Ion Ratio Lower Upper
65 100
92 67.0 59.0 88.4
138 118.5 97.4 146.0



#49
Acenaphthylene
Concen: 5.072 ng
RT: 13.909 min Scan# 1927
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion: 152 Resp: 168800
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4
153 13.0 10.5 15.7

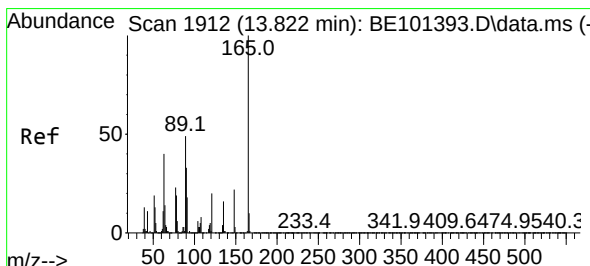
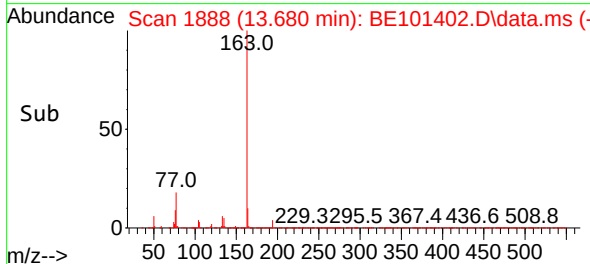
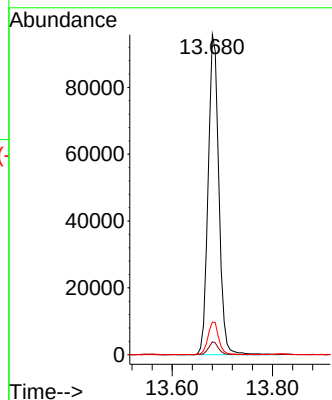
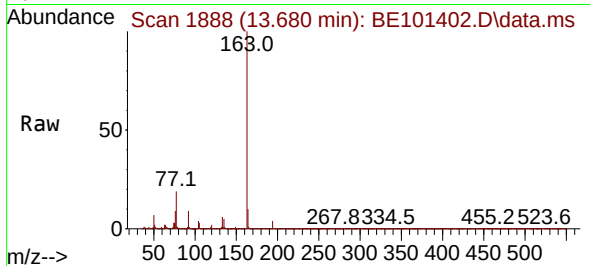




#50
Dimethylphthalate
Concen: 4.822 ng
RT: 13.680 min Scan# 1888
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

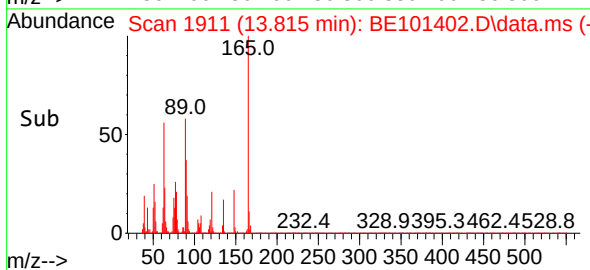
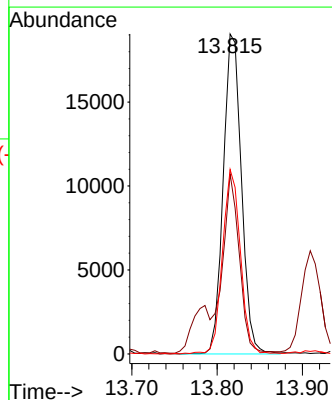
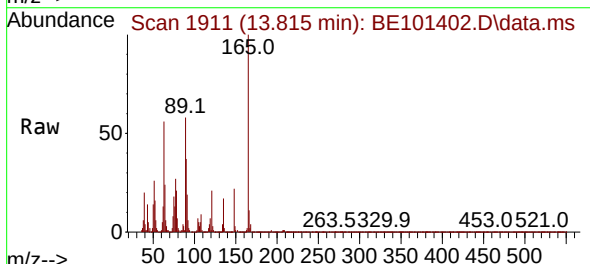
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

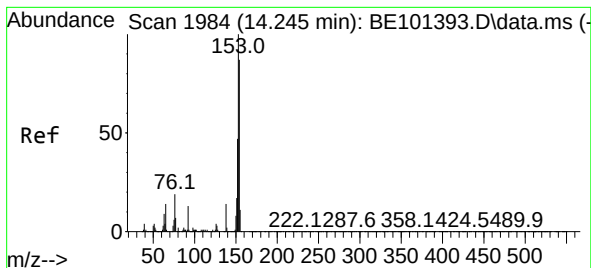
Tgt Ion:163 Resp: 141532
Ion Ratio Lower Upper
163 100
194 4.0 2.9 4.3
164 10.2 8.4 12.6



#51
2,6-Dinitrotoluene
Concen: 4.173 ng
RT: 13.815 min Scan# 1911
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:165 Resp: 28273
Ion Ratio Lower Upper
165 100
63 56.3 38.0 57.0
89 57.6 39.5 59.3





#52

Acenaphthene

Concen: 4.787 ng

RT: 14.244 min Scan# 1984

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

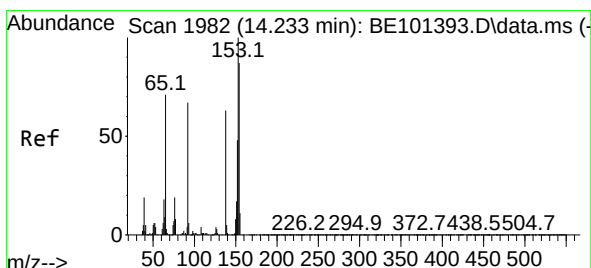
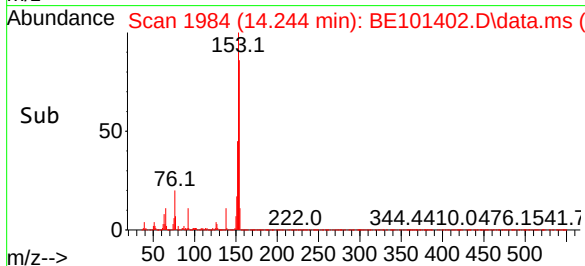
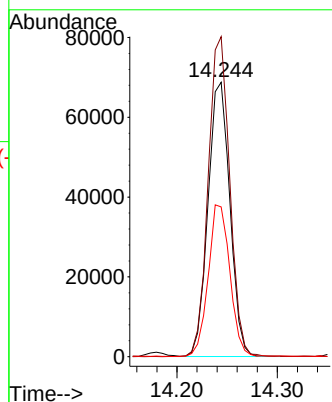
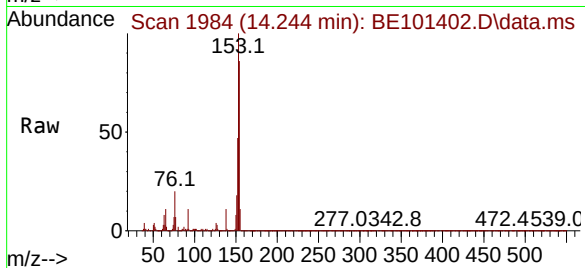
Tgt Ion:154 Resp: 104036

Ion Ratio Lower Upper

154 100

153 116.6 91.8 137.6

152 54.6 43.1 64.7



#53

3-Nitroaniline

Concen: 4.161 ng

RT: 14.232 min Scan# 1982

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

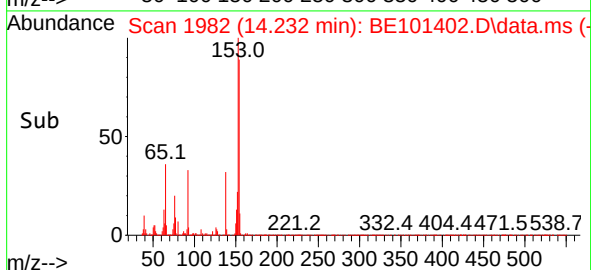
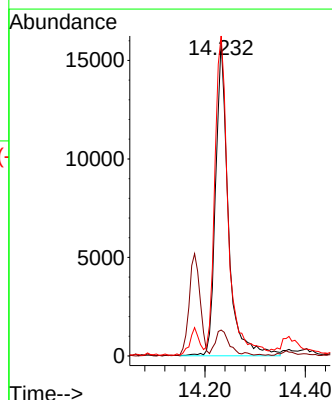
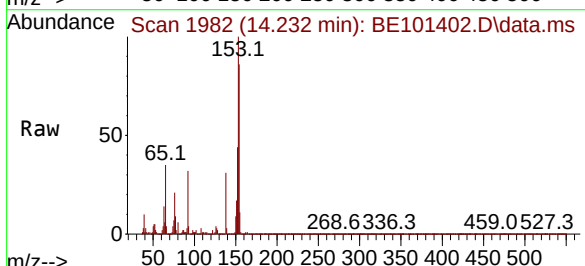
Tgt Ion:138 Resp: 28038

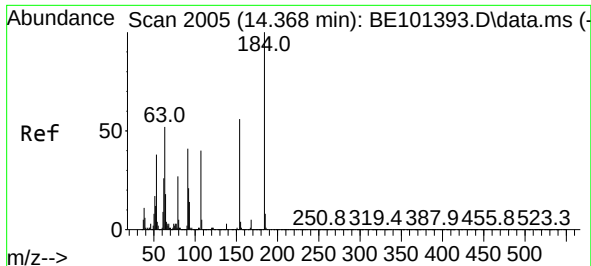
Ion Ratio Lower Upper

138 100

108 8.2 7.1 10.7

92 101.4 84.4 126.6

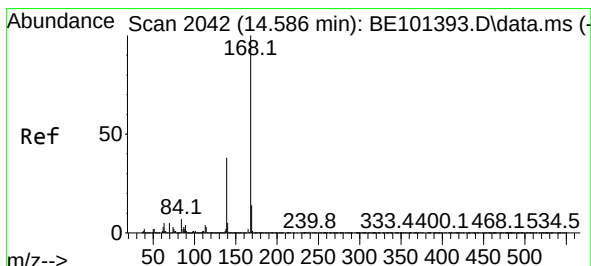
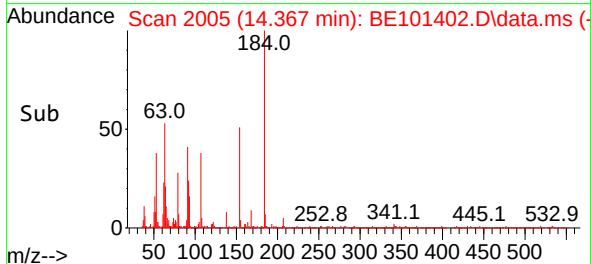
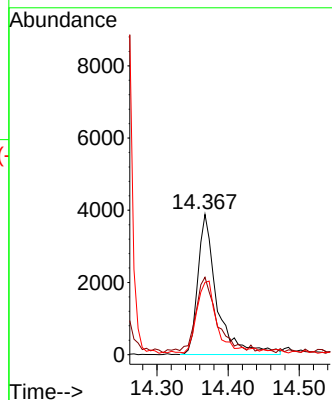
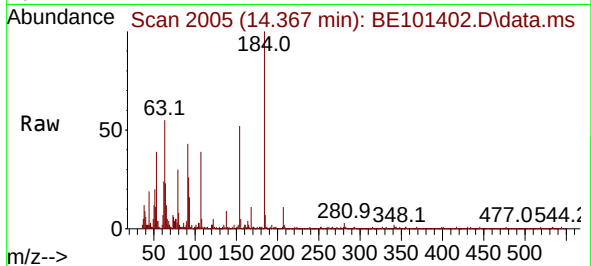




#54
2,4-Dinitrophenol
Concen: 7.020 ng
RT: 14.367 min Scan# 2005
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

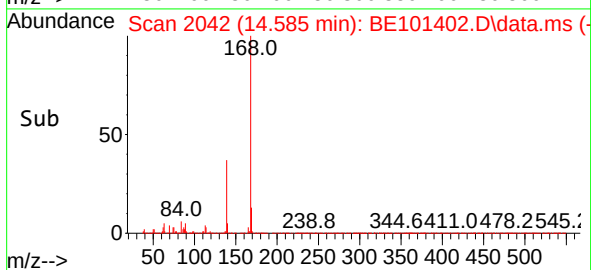
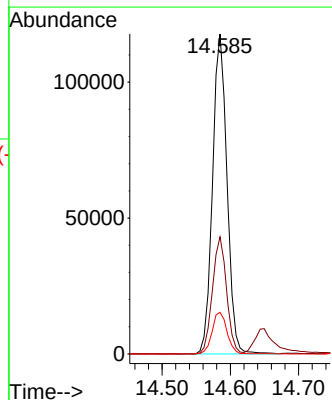
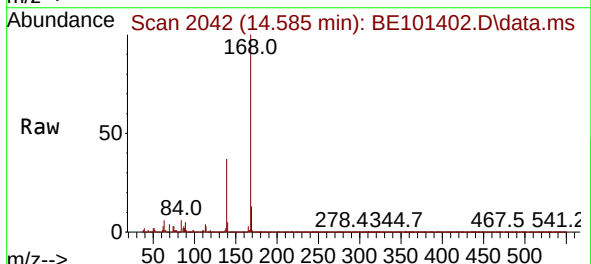
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

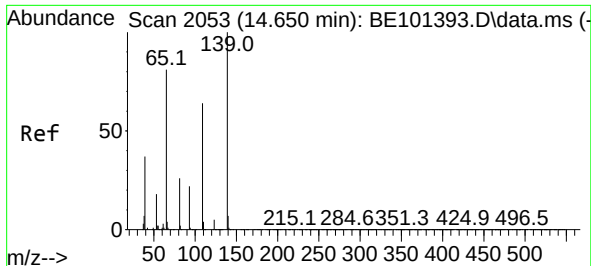
Tgt Ion:184	Resp:	7267
Ion	Ratio	Lower Upper
184	100	
63	55.1	41.8 62.6
154	51.5	44.9 67.3



#55
Dibenzofuran
Concen: 5.009 ng
RT: 14.585 min Scan# 2042
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:168	Resp:	173495
Ion	Ratio	Lower Upper
168	100	
139	36.6	30.2 45.4
169	13.0	11.0 16.4

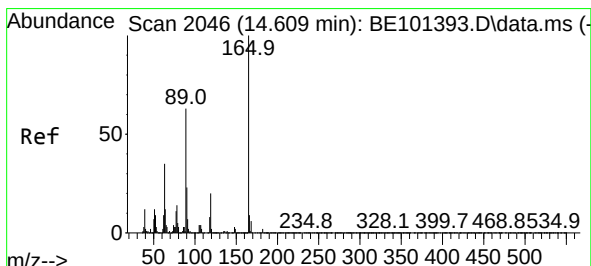
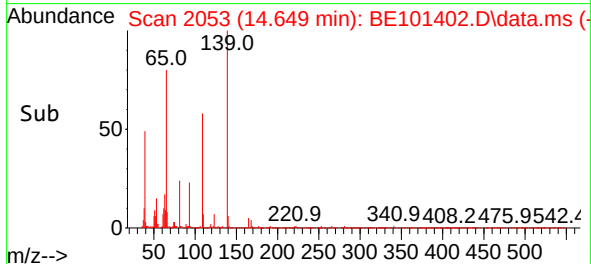
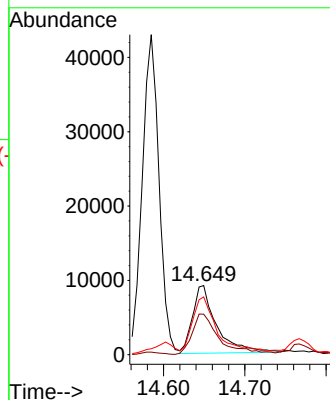
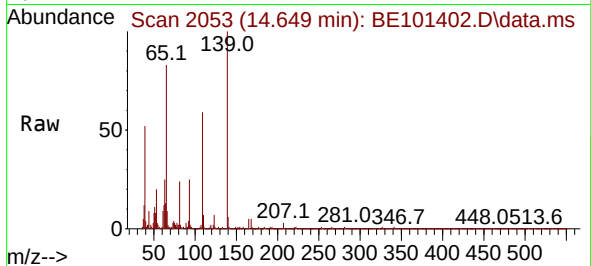




#56
4-Nitrophenol
Concen: 3.011 ng
RT: 14.649 min Scan# 2053
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

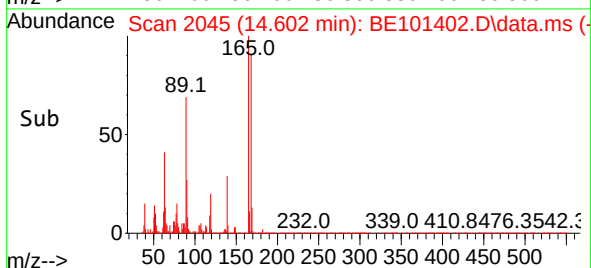
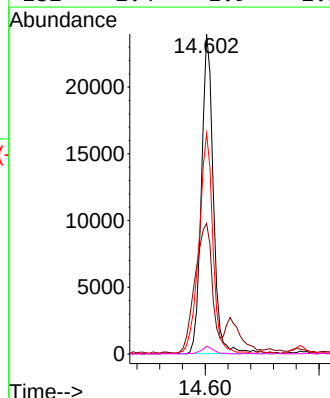
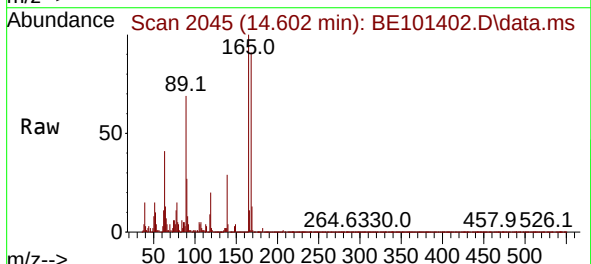
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

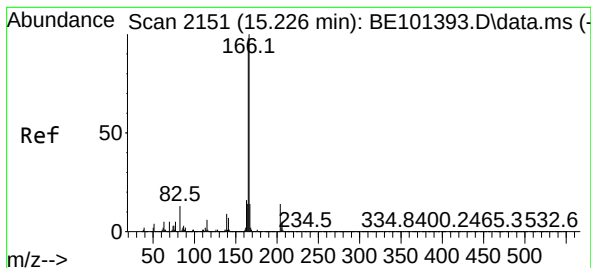
Tgt Ion:	139	Resp:	18580
Ion	Ratio	Lower	Upper
139	100		
109	58.7	42.4	82.4
65	83.5	63.4	103.4



#57
2,4-Dinitrotoluene
Concen: 3.740 ng
RT: 14.602 min Scan# 2045
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:	165	Resp:	34890
Ion	Ratio	Lower	Upper
165	100		
63	40.8	28.6	42.8
89	68.9	50.8	76.2
182	2.4	1.9	2.9





#58

Fluorene

Concen: 4.812 ng

RT: 15.225 min Scan# 2151

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

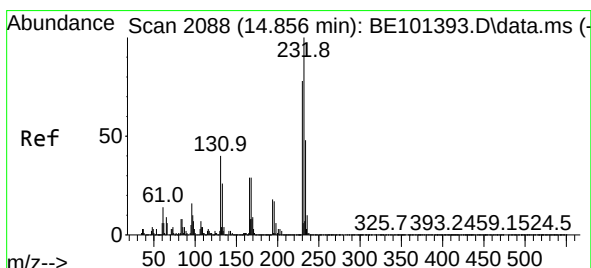
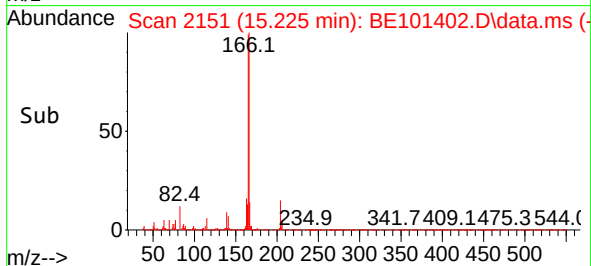
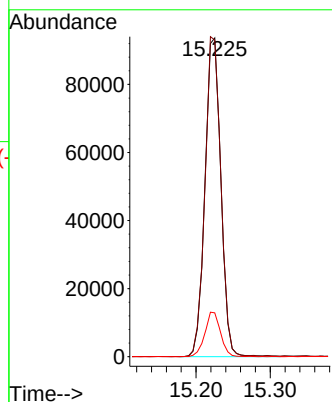
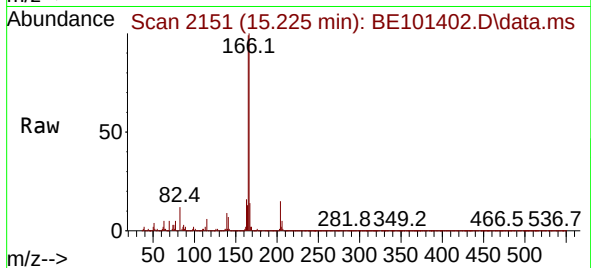
Tgt Ion:166 Resp: 139429

Ion Ratio Lower Upper

166 100

165 99.4 78.7 118.1

167 13.8 11.0 16.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 4.561 ng

RT: 14.849 min Scan# 2087

Delta R.T. -0.007 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Tgt Ion:232 Resp: 34725

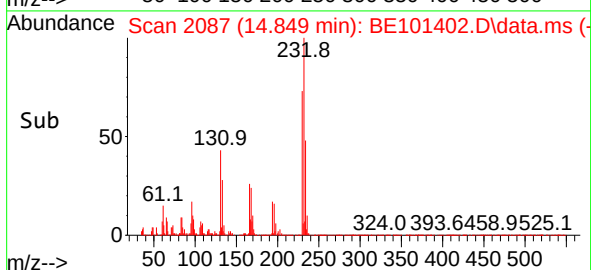
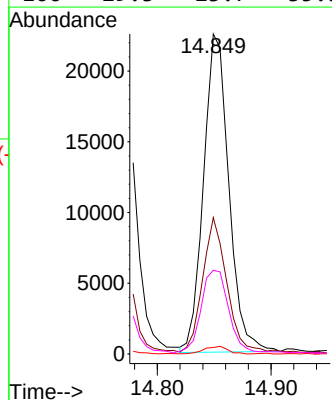
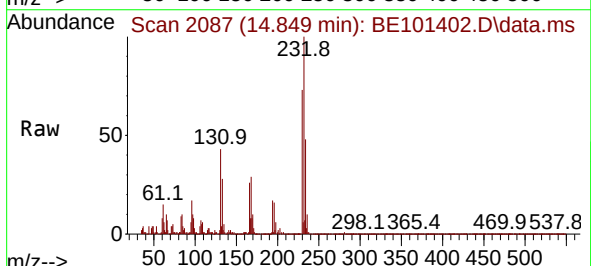
Ion Ratio Lower Upper

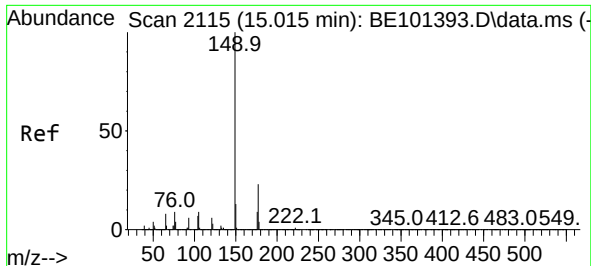
232 100

131 41.8 33.5 50.3

130 2.2 1.6 2.4

166 29.3 23.7 35.5

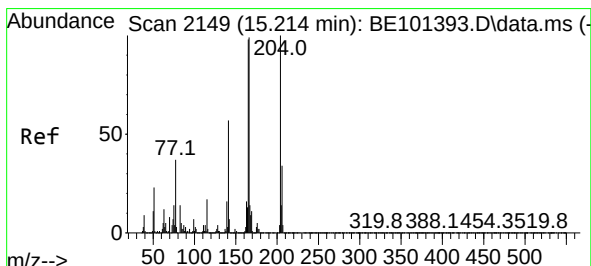
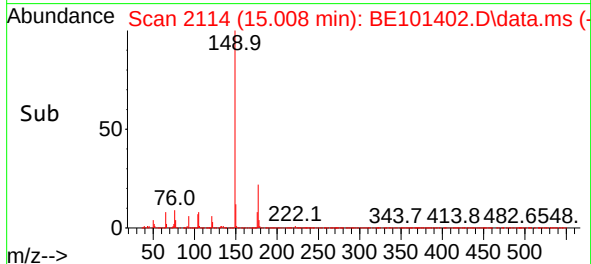
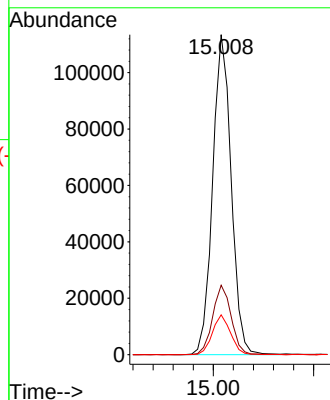
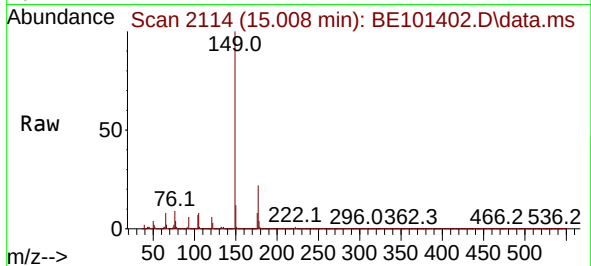




#60
Diethylphthalate
Concen: 4.740 ng
RT: 15.008 min Scan# 2114
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

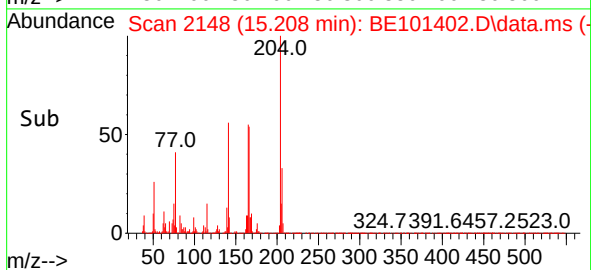
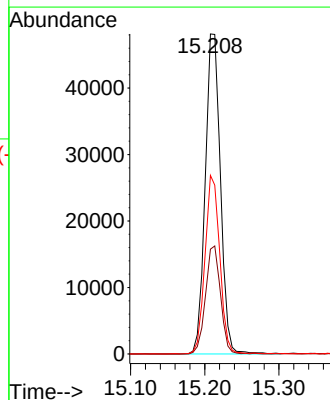
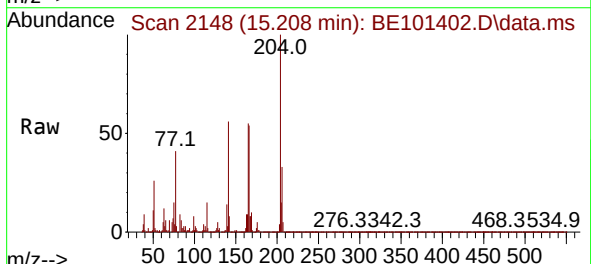
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

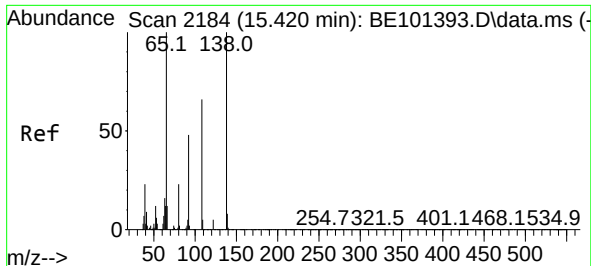
Tgt Ion:149 Resp: 145499
Ion Ratio Lower Upper
149 100
177 21.7 18.0 27.0
150 12.4 10.3 15.5



#61
4-Chlorophenyl-phenylether
Concen: 4.782 ng
RT: 15.208 min Scan# 2148
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:204 Resp: 68759
Ion Ratio Lower Upper
204 100
206 32.7 26.9 40.3
141 55.8 45.9 68.9

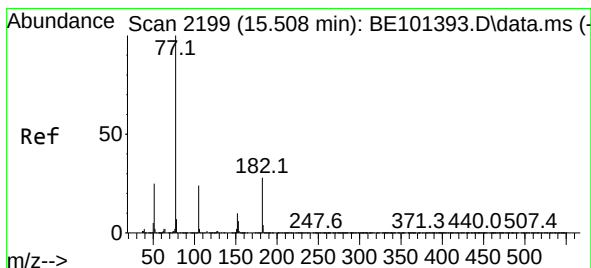
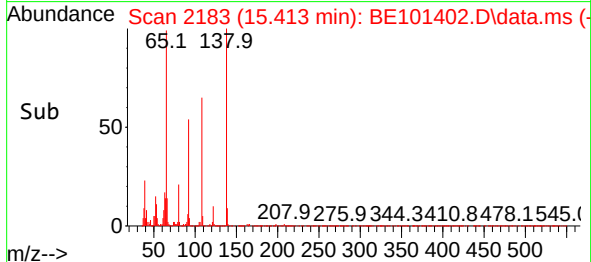
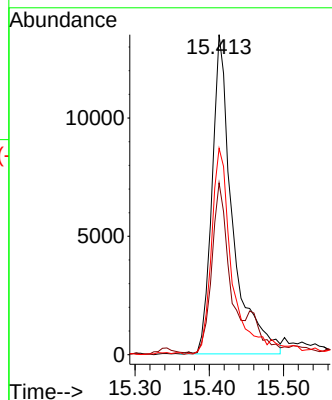
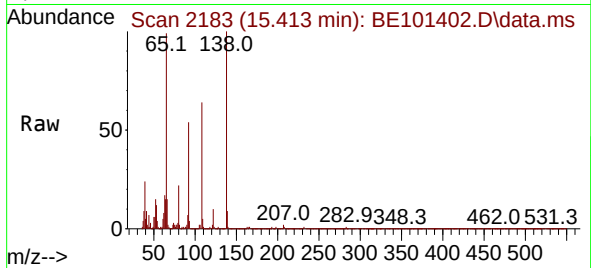




#62
4-Nitroaniline
Concen: 3.464 ng
RT: 15.413 min Scan# 2183
Delta R.T. -0.007 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

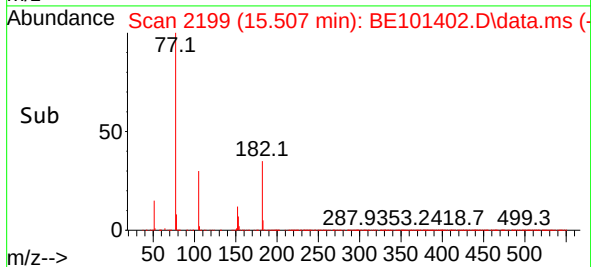
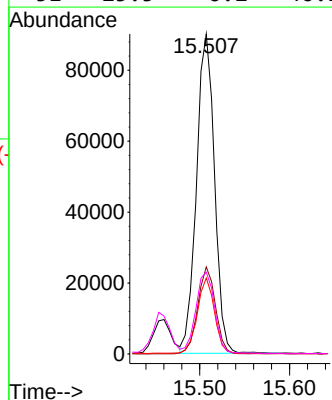
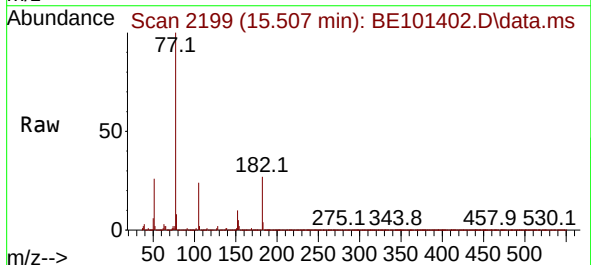
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

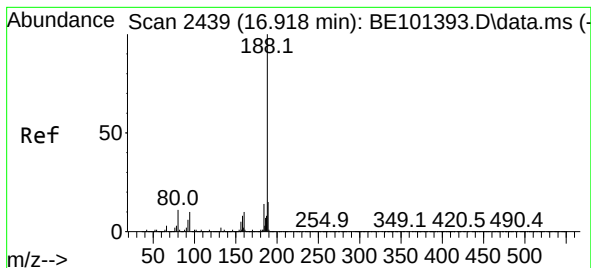
Tgt Ion:	138	Resp:	25971
Ion	Ratio	Lower	Upper
138	100		
92	53.7	28.7	68.7
108	64.5	46.5	86.5



#63
Azobenzene
Concen: 4.755 ng
RT: 15.507 min Scan# 2199
Delta R.T. -0.001 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:	77	Resp:	125476
Ion	Ratio	Lower	Upper
77	100		
182	27.2	7.6	47.6
105	23.7	3.2	43.2
51	25.5	6.2	46.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.917 min Scan# 2439

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

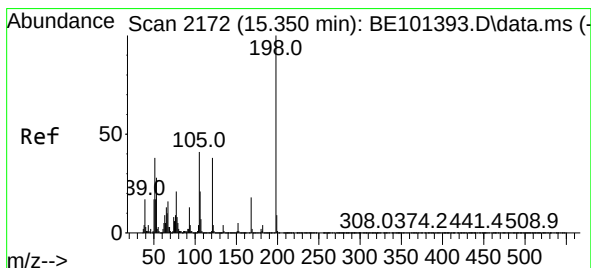
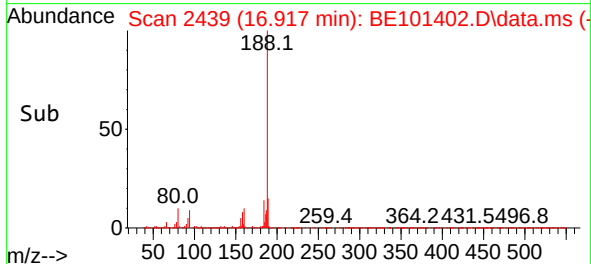
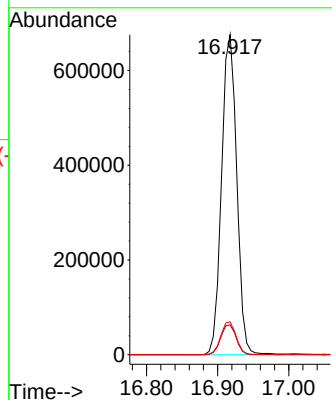
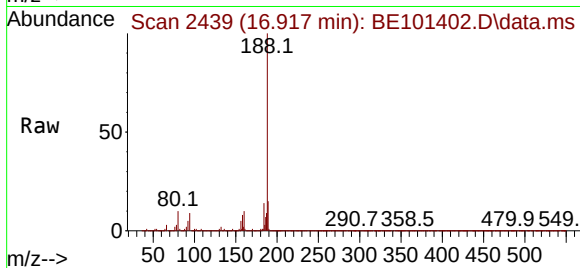
Tgt Ion:188 Resp: 997574

Ion Ratio Lower Upper

188 100

94 9.3 7.8 11.8

80 10.2 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 2.443 ng

RT: 15.343 min Scan# 2171

Delta R.T. -0.007 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

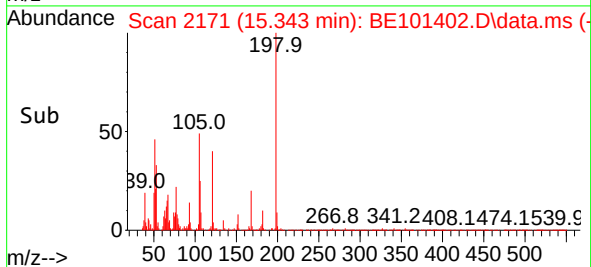
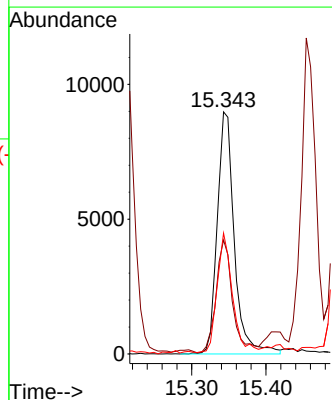
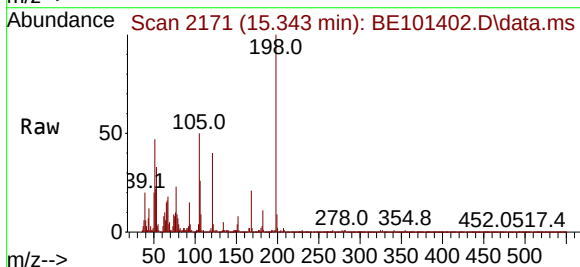
Tgt Ion:198 Resp: 14319

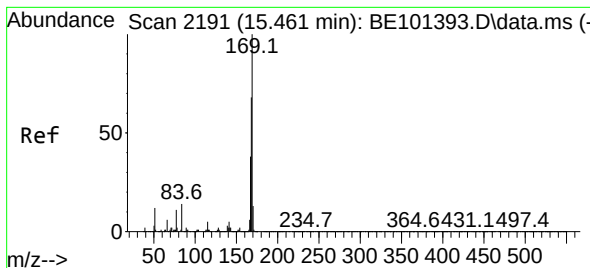
Ion Ratio Lower Upper

198 100

51 47.1 18.2 58.2

105 49.9 21.5 61.5





#66

n-Nitrosodiphenylamine

Concen: 4.780 ng

RT: 15.460 min Scan# 2191

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

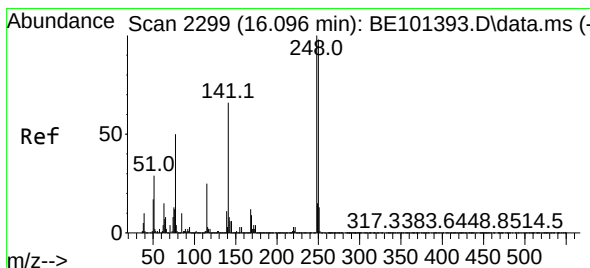
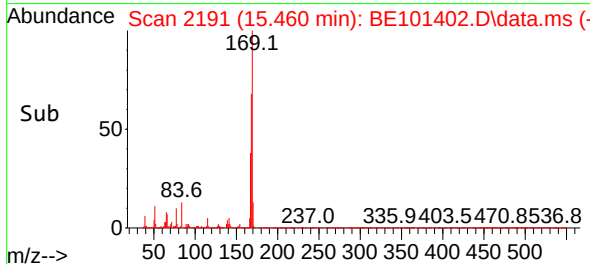
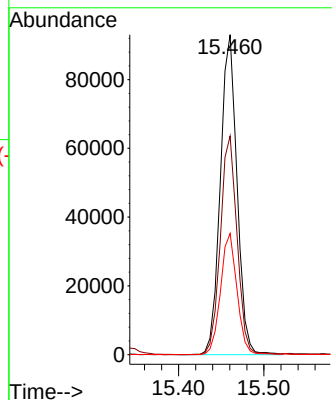
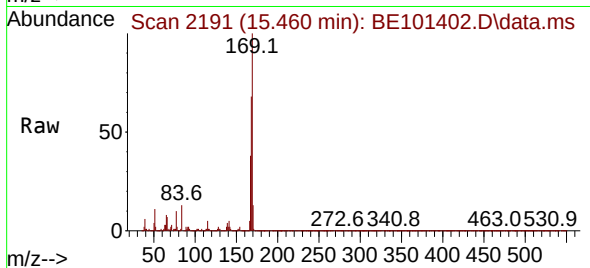
Tgt Ion:169 Resp: 126454

Ion Ratio Lower Upper

169 100

168 68.4 54.5 81.7

167 37.9 30.4 45.6



#67

4-Bromophenyl-phenylether

Concen: 4.536 ng

RT: 16.101 min Scan# 2300

Delta R.T. 0.005 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

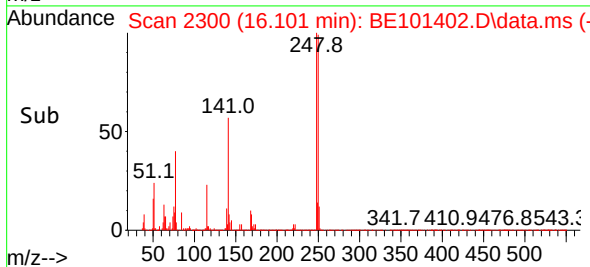
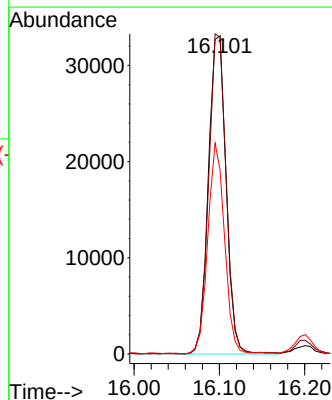
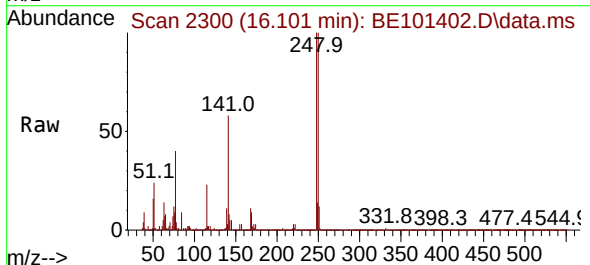
Tgt Ion:248 Resp: 47602

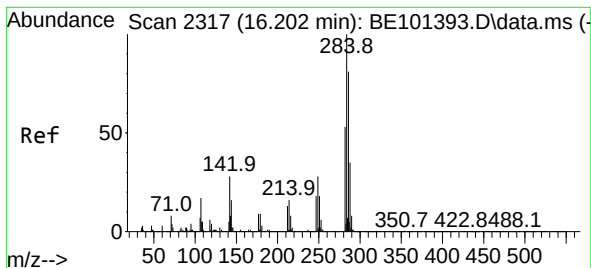
Ion Ratio Lower Upper

248 100

250 99.6 78.2 117.2

141 57.9 53.0 79.4





#68

Hexachlorobenzene

Concen: 4.562 ng

RT: 16.201 min Scan# 21

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

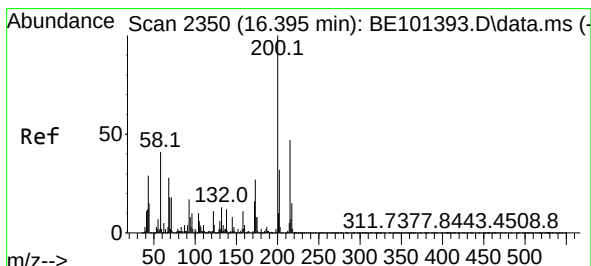
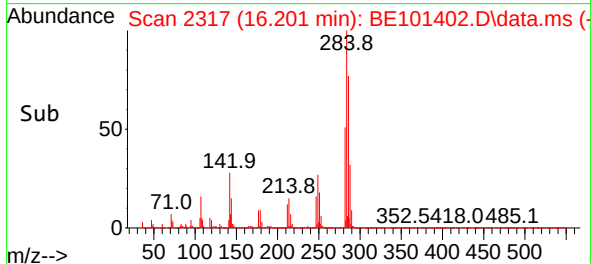
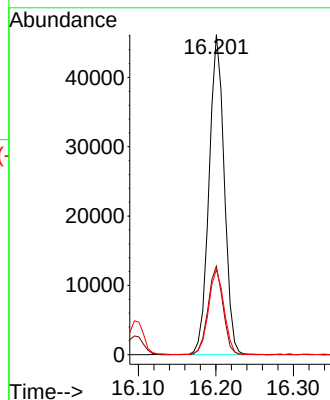
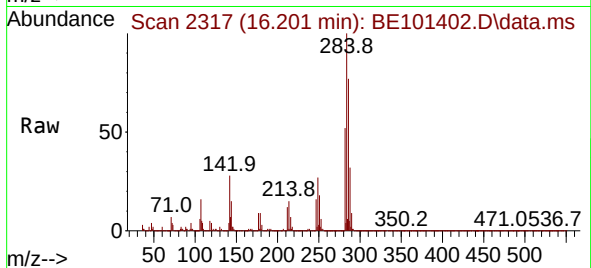
Tgt Ion:284 Resp: 62742

Ion Ratio Lower Upper

284 100

142 27.7 22.2 33.2

249 26.6 22.8 34.2



#69

Atrazine

Concen: 5.622 ng

RT: 16.389 min Scan# 2349

Delta R.T. -0.006 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

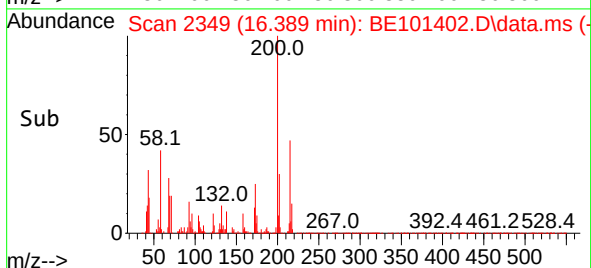
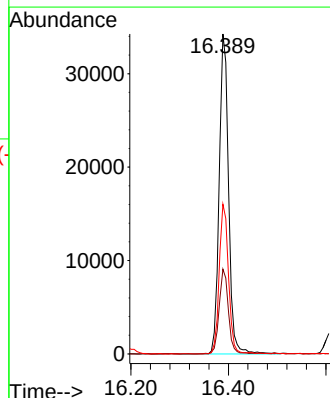
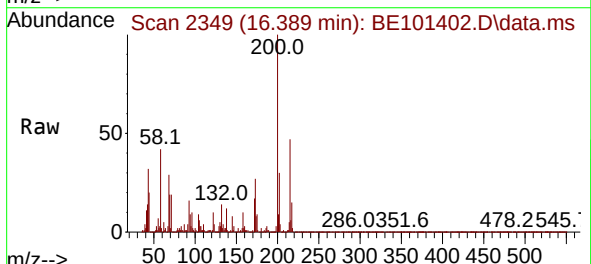
Tgt Ion:200 Resp: 45593

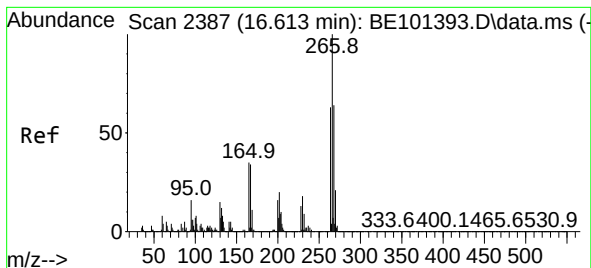
Ion Ratio Lower Upper

200 100

173 26.5 7.0 47.0

215 46.8 27.3 67.3





#70

Pentachlorophenol

Concen: 3.006 ng

RT: 16.606 min Scan# 21

Delta R.T. -0.007 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

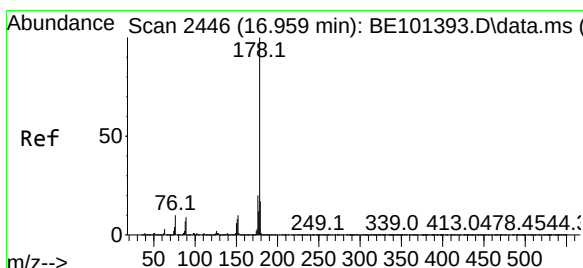
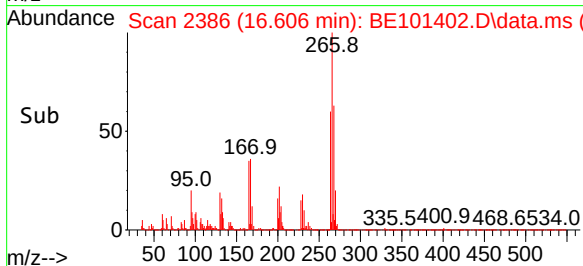
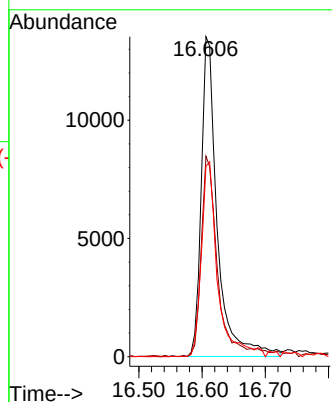
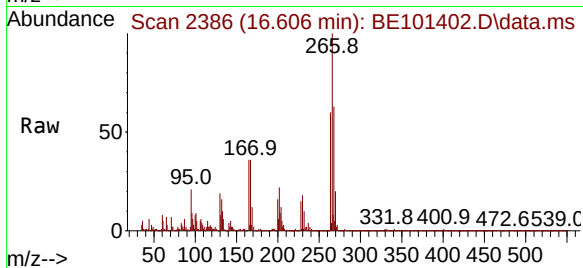
Tgt Ion:266 Resp: 23797

Ion Ratio Lower Upper

266 100

268 67.2 51.5 77.3

264 59.5 50.7 76.1



#71

Phenanthrene

Concen: 5.129 ng

RT: 16.959 min Scan# 2446

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

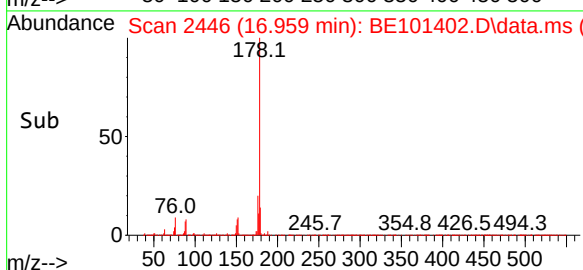
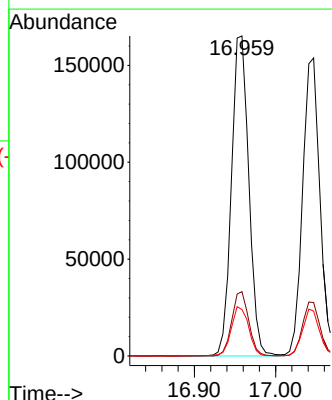
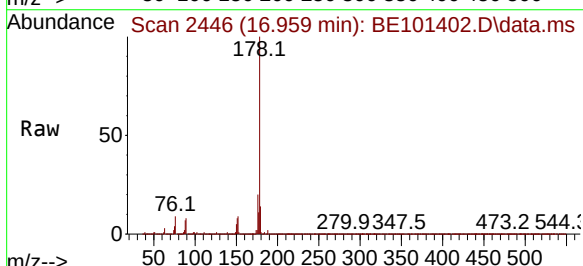
Tgt Ion:178 Resp: 244968

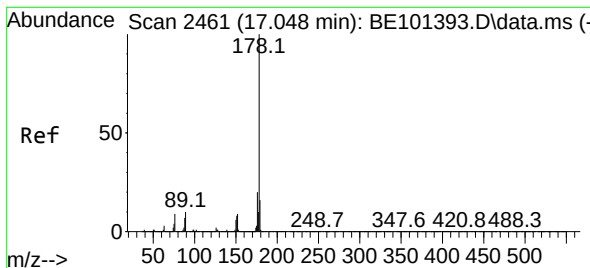
Ion Ratio Lower Upper

178 100

176 20.1 16.4 24.6

179 14.5 13.2 19.8





#72

Anthracene

Concen: 4.945 ng

RT: 17.047 min Scan# 2461

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

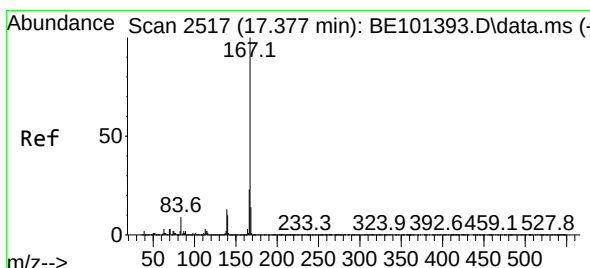
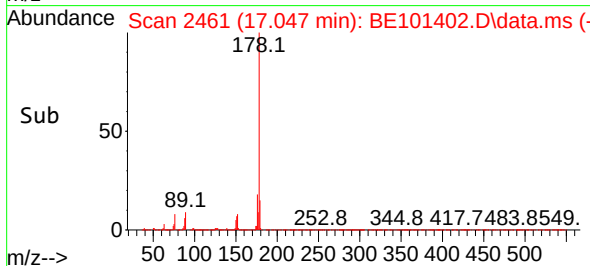
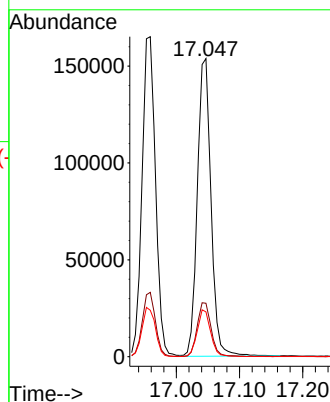
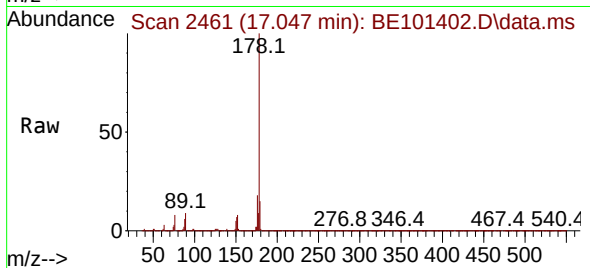
Tgt Ion:178 Resp: 230626

Ion Ratio Lower Upper

178 100

176 17.9 15.9 23.9

179 15.0 13.1 19.7



#73

Carbazole

Concen: 4.845 ng

RT: 17.376 min Scan# 2517

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

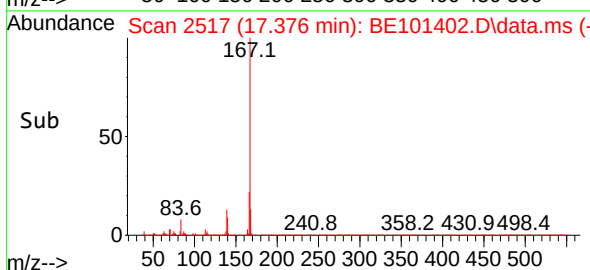
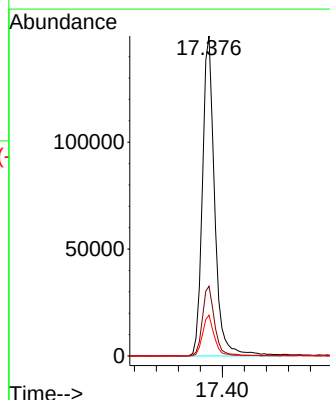
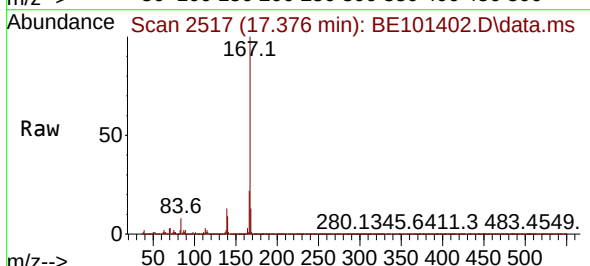
Tgt Ion:167 Resp: 231214

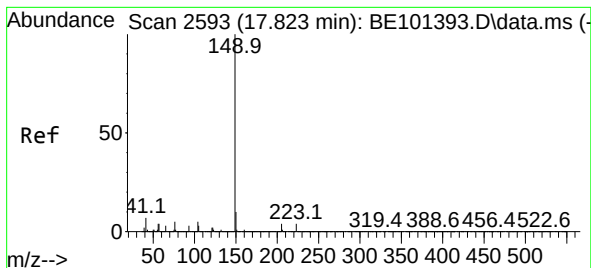
Ion Ratio Lower Upper

167 100

166 21.8 18.3 27.5

139 12.7 10.8 16.2





#74

Di-n-butylphthalate

Concen: 4.596 ng

RT: 17.822 min Scan# 2593

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

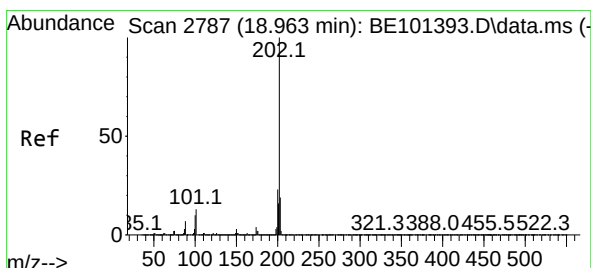
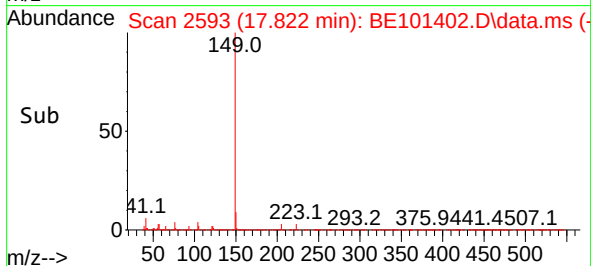
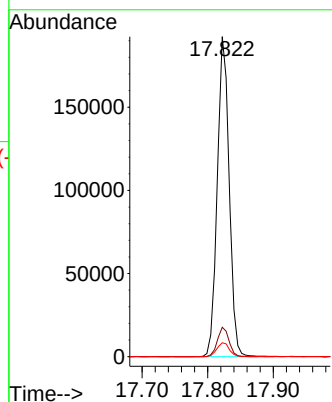
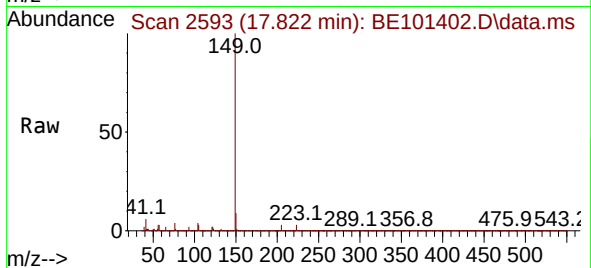
Tgt Ion:149 Resp: 241458

Ion Ratio Lower Upper

149 100

150 9.2 8.2 12.4

104 4.3 3.9 5.9



#75

Fluoranthene

Concen: 5.071 ng

RT: 18.962 min Scan# 2787

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

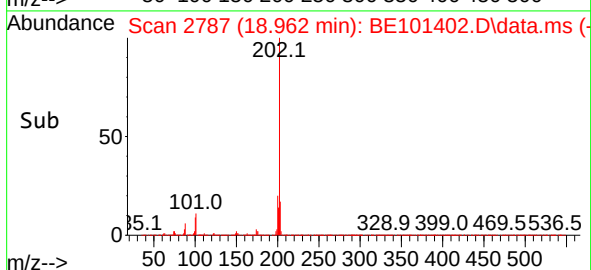
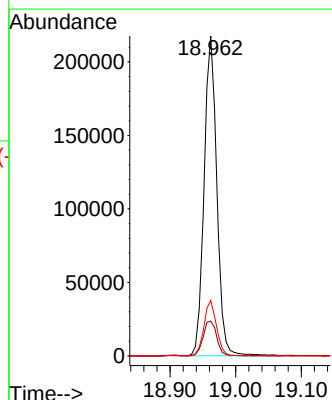
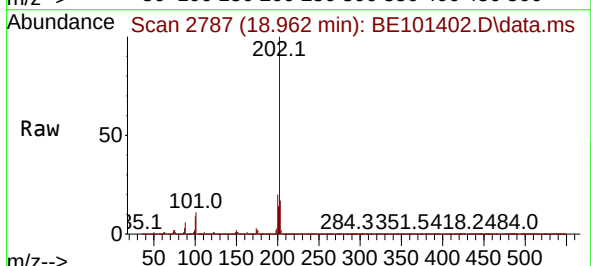
Tgt Ion:202 Resp: 294173

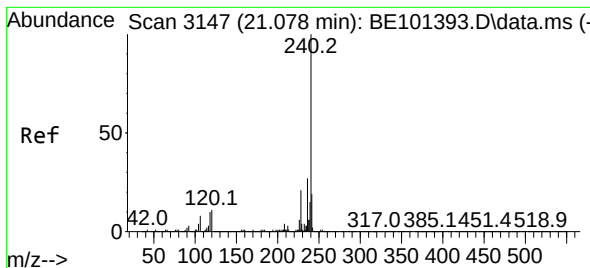
Ion Ratio Lower Upper

202 100

101 10.9 0.0 33.3

203 17.3 0.0 39.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.077 min Scan# 3147

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

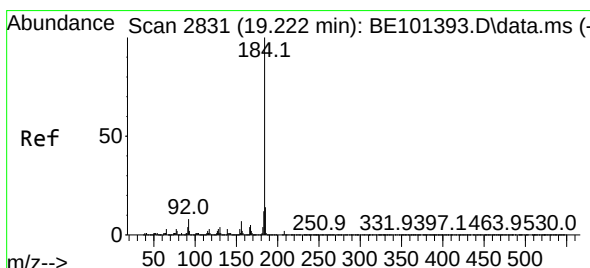
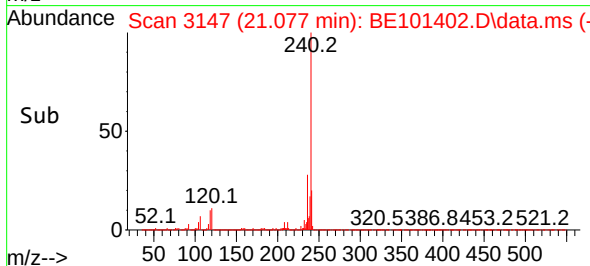
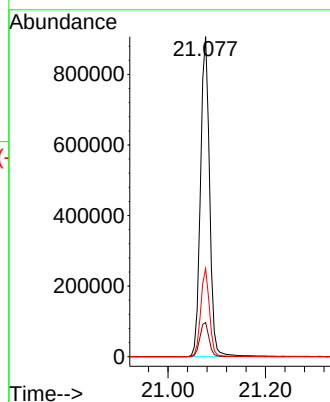
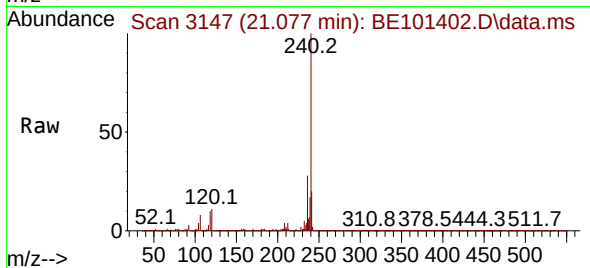
Tgt Ion:240 Resp: 1180653

Ion Ratio Lower Upper

240 100

120 10.6 9.0 13.4

236 27.5 21.4 32.0



#77

Benzidine

Concen: 4.526 ng

RT: 19.221 min Scan# 2831

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

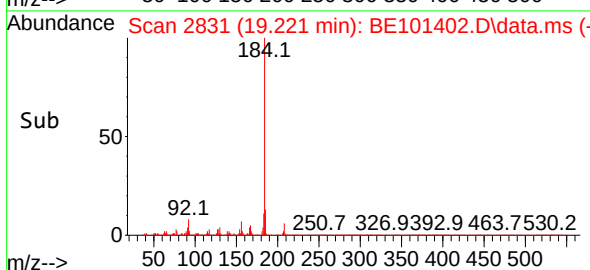
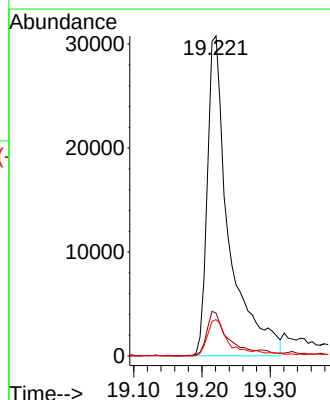
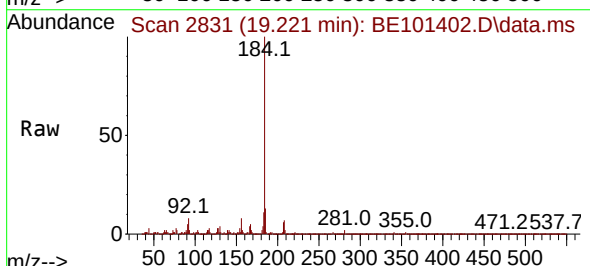
Tgt Ion:184 Resp: 67817

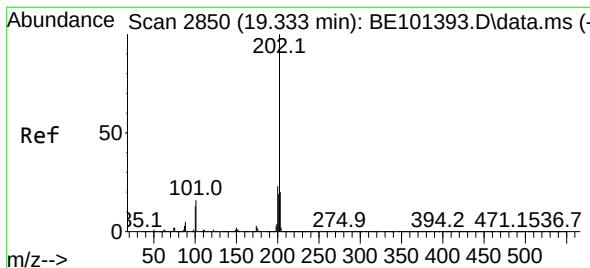
Ion Ratio Lower Upper

184 100

185 13.4 11.5 17.3

183 11.3 9.3 13.9





#78

Pyrene

Concen: 4.889 ng

RT: 19.332 min Scan# 2850

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

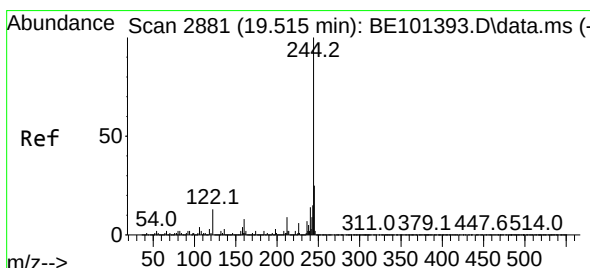
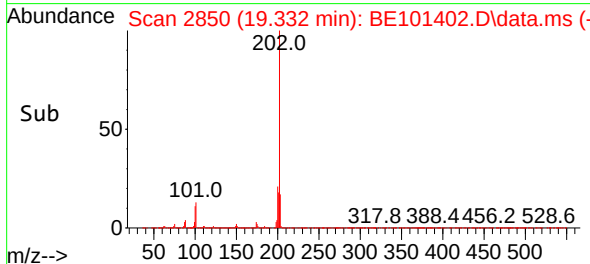
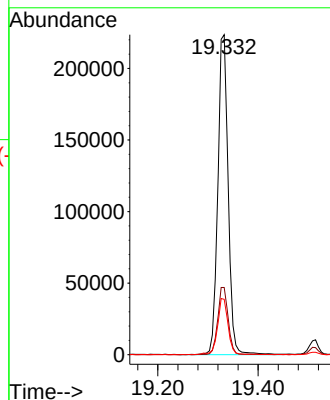
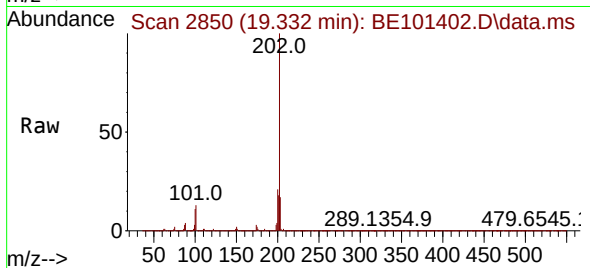
Tgt Ion:202 Resp: 317456

Ion Ratio Lower Upper

202 100

200 21.0 18.6 28.0

203 17.3 15.6 23.4



#79

Terphenyl-d14

Concen: 73.795 ng

RT: 19.514 min Scan# 2881

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

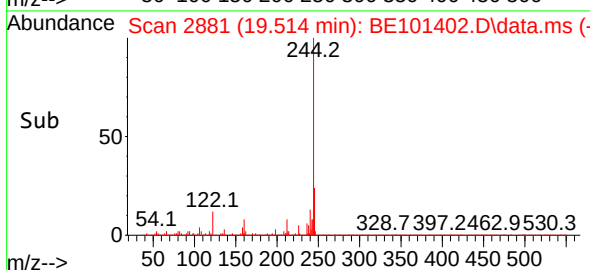
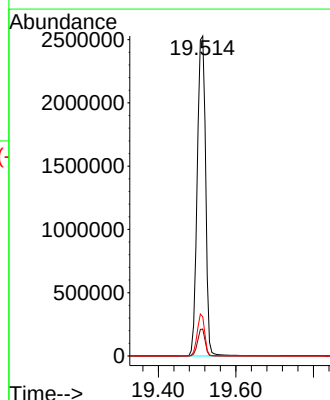
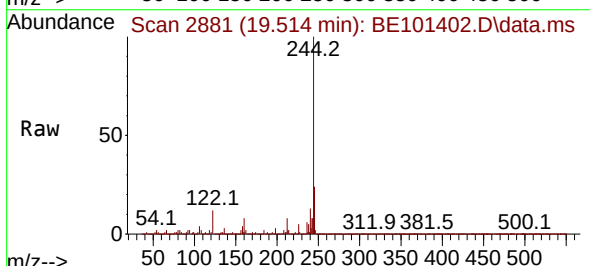
Tgt Ion:244 Resp: 3785541

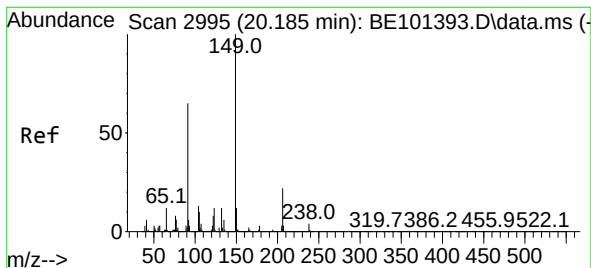
Ion Ratio Lower Upper

244 100

212 8.4 7.2 10.8

122 12.2 10.4 15.6





#80

Butylbenzylphthalate

Concen: 4.359 ng

RT: 20.184 min Scan# 2995

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

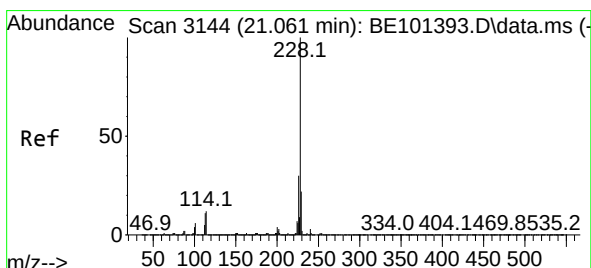
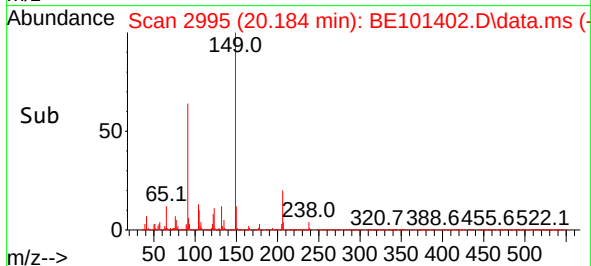
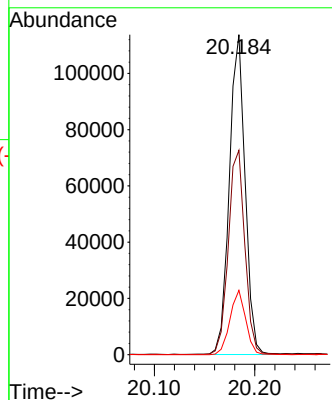
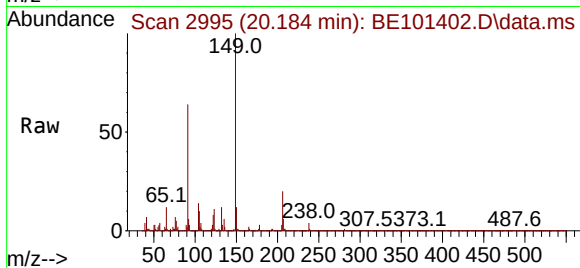
Tgt Ion:149 Resp: 124074

Ion Ratio Lower Upper

149 100

91 63.9 51.8 77.8

206 20.1 17.4 26.2



#81

Benzo(a)anthracene

Concen: 5.283 ng

RT: 21.054 min Scan# 3143

Delta R.T. -0.007 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

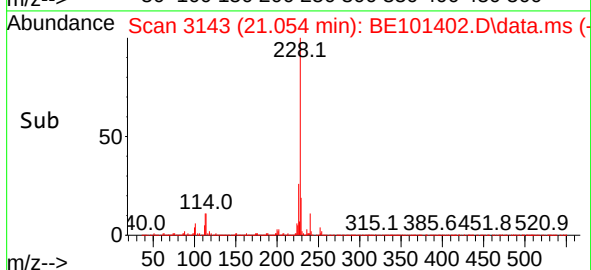
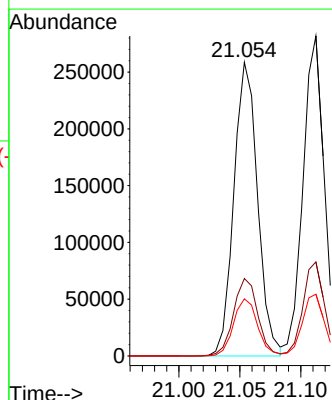
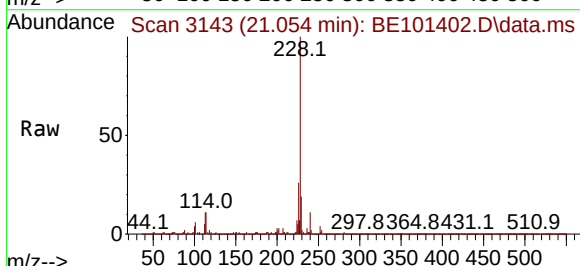
Tgt Ion:228 Resp: 350556

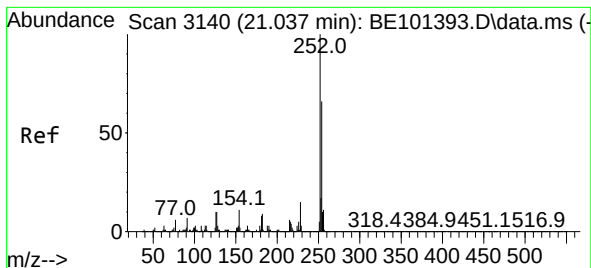
Ion Ratio Lower Upper

228 100

226 26.4 24.1 36.1

229 19.4 17.3 25.9





#82

3,3'-Dichlorobenzidine

Concen: 4.348 ng

RT: 21.036 min Scan# 3140

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

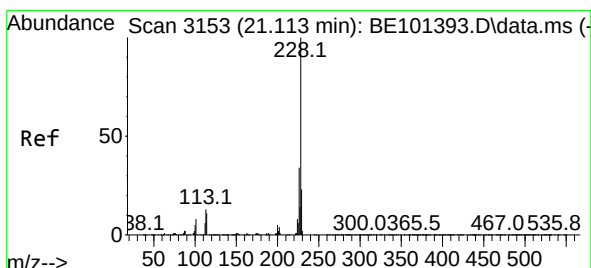
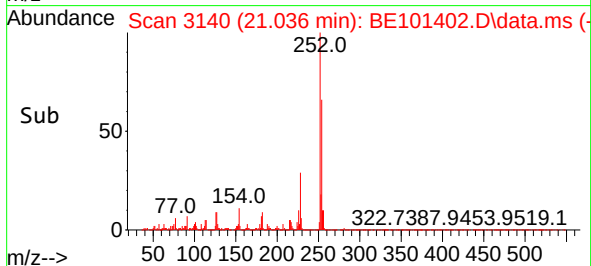
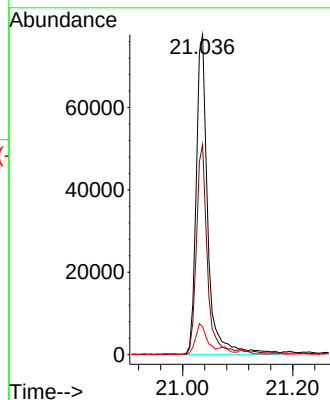
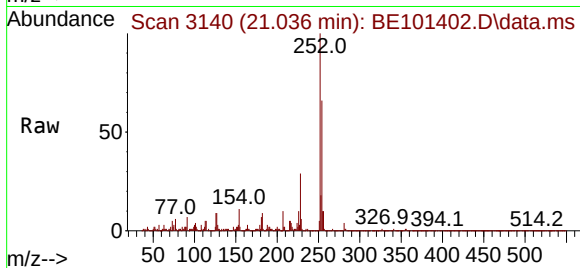
Tgt Ion:252 Resp: 113016

Ion Ratio Lower Upper

252 100

254 65.7 52.6 78.8

126 8.8 7.7 11.5



#83

Chrysene

Concen: 5.417 ng

RT: 21.112 min Scan# 3153

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

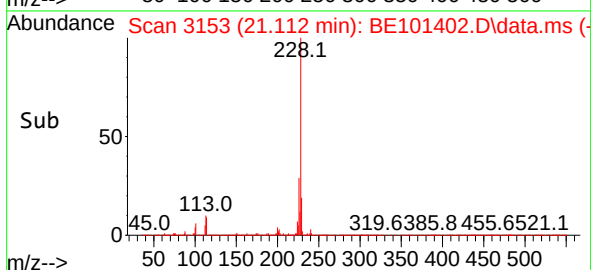
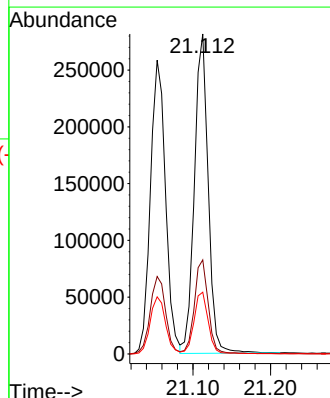
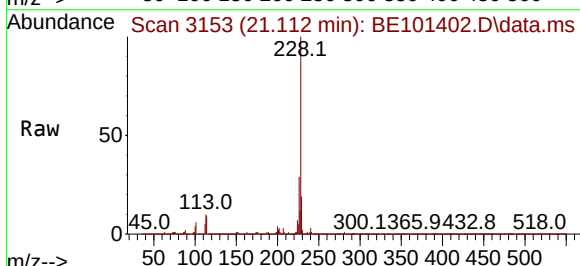
Tgt Ion:228 Resp: 347547

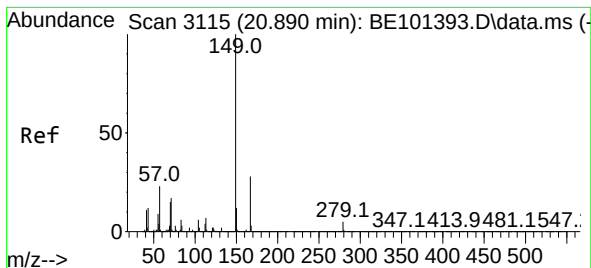
Ion Ratio Lower Upper

228 100

226 29.4 27.2 40.8

229 19.3 18.0 27.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.199 ng

RT: 20.889 min Scan# 3115

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

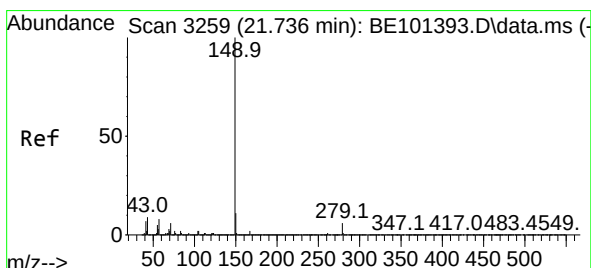
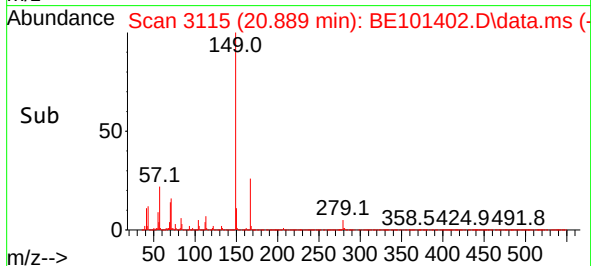
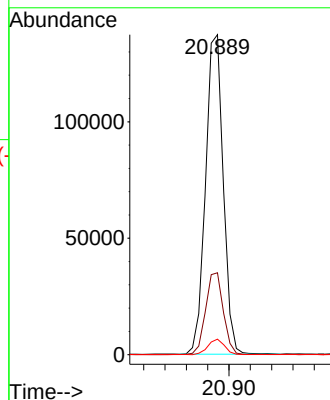
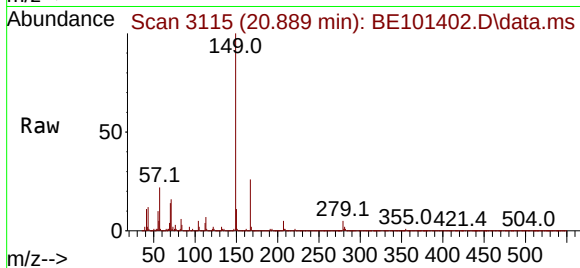
Tgt Ion:149 Resp: 158770

Ion Ratio Lower Upper

149 100

167 25.6 22.7 34.1

279 4.9 4.3 6.5



#85

Di-n-octyl phthalate

Concen: 4.497 ng

RT: 21.735 min Scan# 3259

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

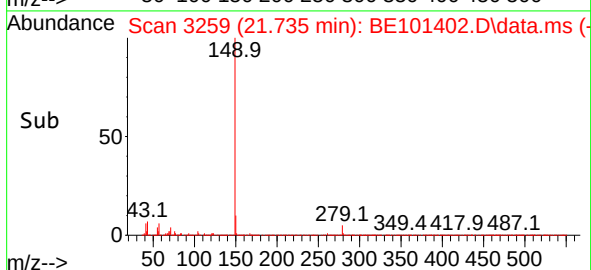
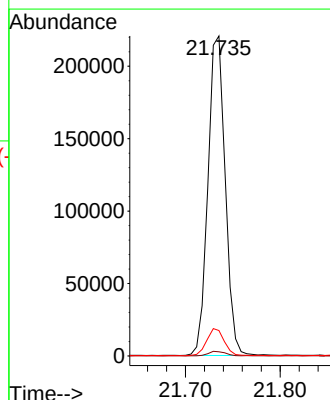
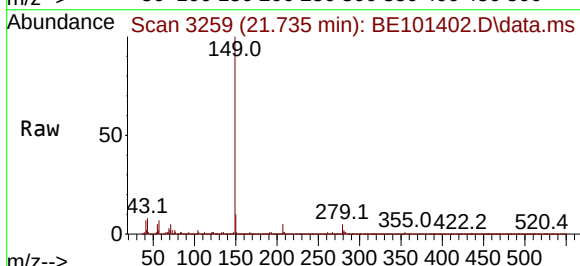
Tgt Ion:149 Resp: 279069

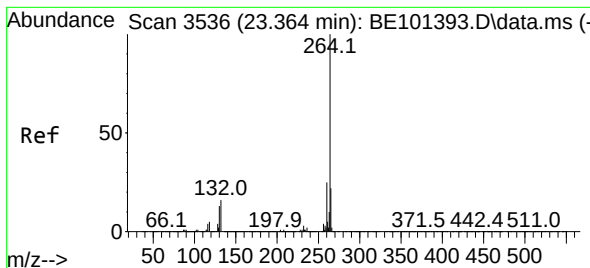
Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 8.6 7.0 10.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.363 min Scan# 31

Delta R.T. -0.001 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

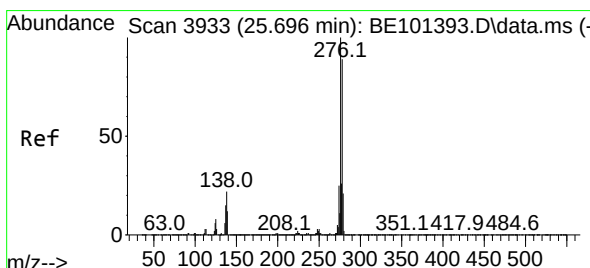
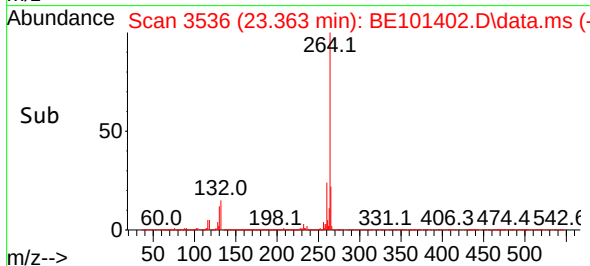
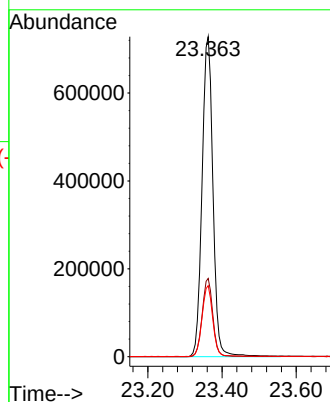
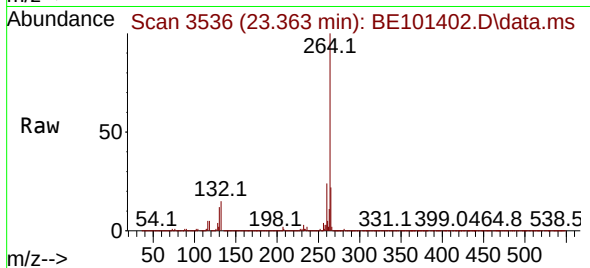
Tgt Ion:264 Resp: 1483151

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.8

265 22.2 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.954 ng

RT: 25.666 min Scan# 3928

Delta R.T. -0.030 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

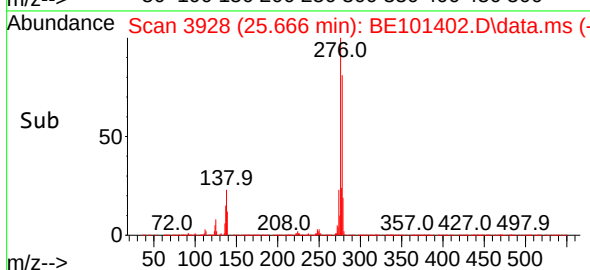
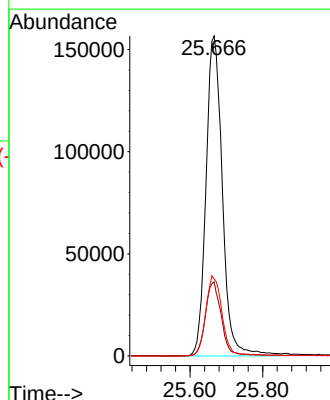
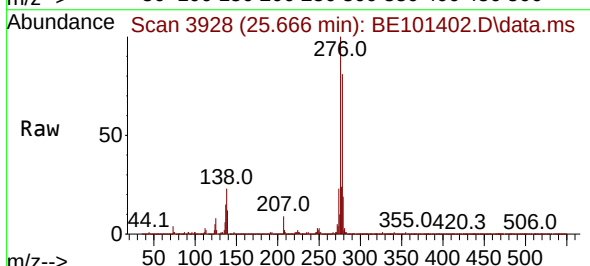
Tgt Ion:276 Resp: 491709

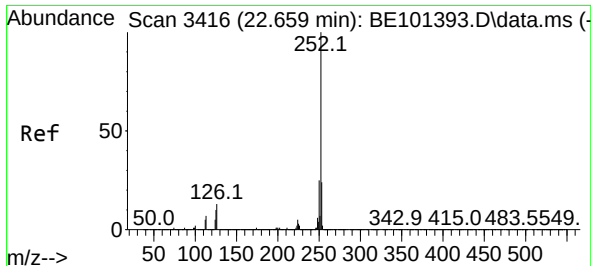
Ion Ratio Lower Upper

276 100

138 22.4 17.8 26.8

277 24.8 20.5 30.7

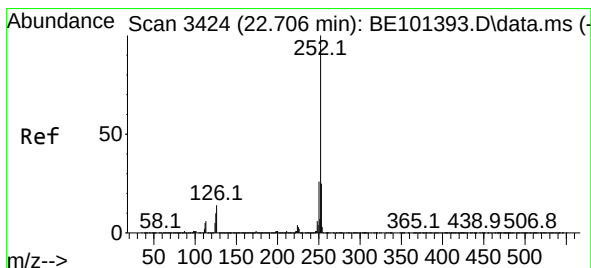
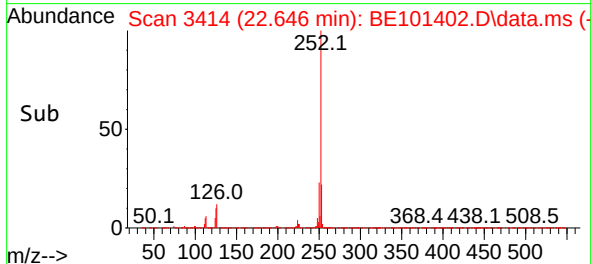
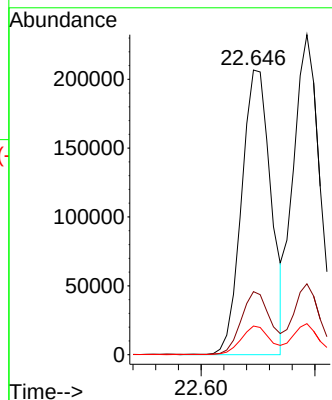
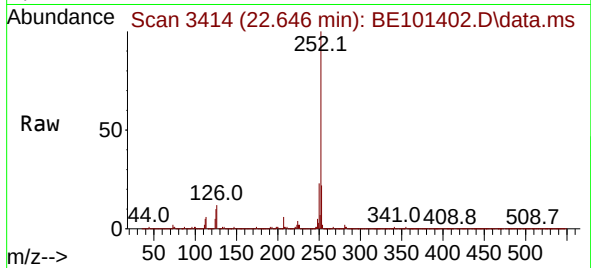




#88
Benzo(b)fluoranthene
Concen: 4.826 ng
RT: 22.646 min Scan# 3416
Delta R.T. -0.013 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

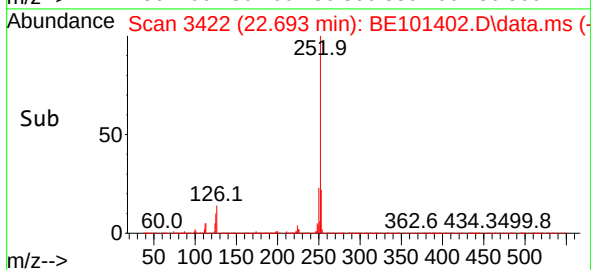
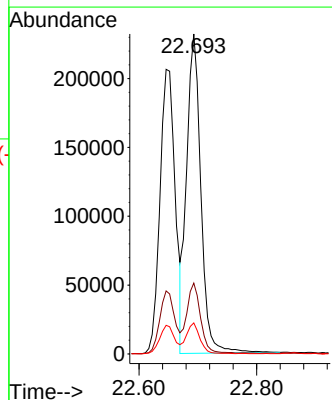
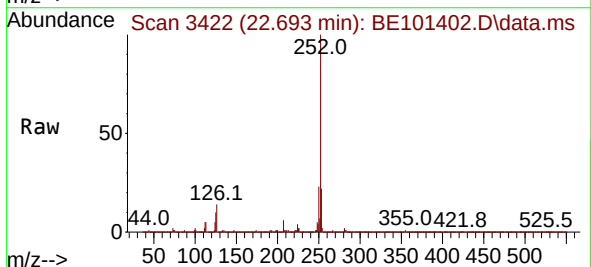
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT4-2024

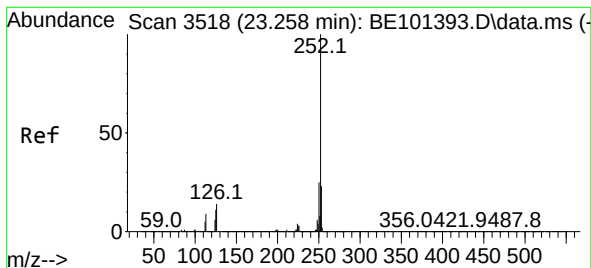
Tgt Ion:252 Resp: 373051
Ion Ratio Lower Upper
252 100
253 22.1 19.0 28.6
125 10.1 8.2 12.2



#89
Benzo(k)fluoranthene
Concen: 5.407 ng
RT: 22.693 min Scan# 3422
Delta R.T. -0.013 min
Lab File: BE101402.D
Acq: 29 Oct 2024 12:06

Tgt Ion:252 Resp: 390474
Ion Ratio Lower Upper
252 100
253 22.2 19.4 29.2
125 9.7 8.2 12.2





#90

Benzo(a)pyrene

Concen: 5.087 ng

RT: 23.251 min Scan# 3518

Delta R.T. -0.007 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT4-2024

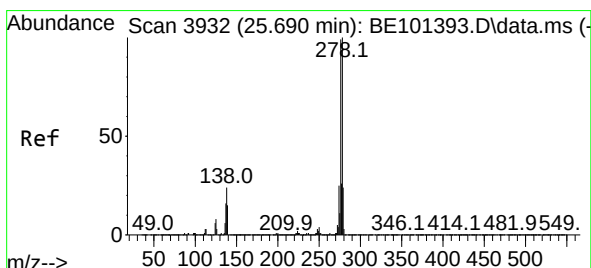
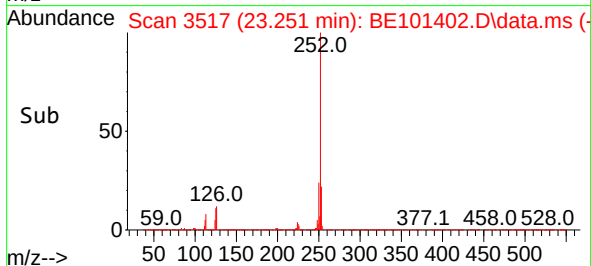
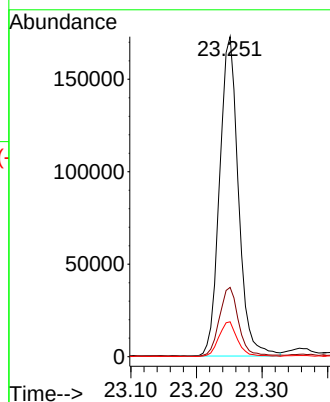
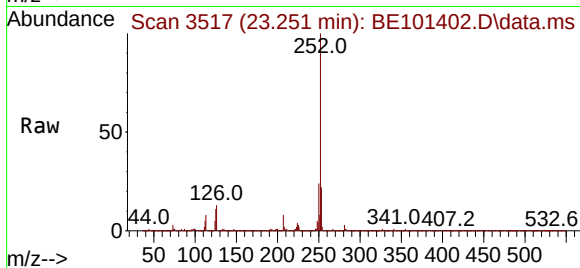
Tgt Ion:252 Resp: 343864

Ion Ratio Lower Upper

252 100

253 21.7 18.4 27.6

125 10.9 9.0 13.6



#91

Dibenzo(a,h)anthracene

Concen: 4.905 ng

RT: 25.660 min Scan# 3927

Delta R.T. -0.030 min

Lab File: BE101402.D

Acq: 29 Oct 2024 12:06

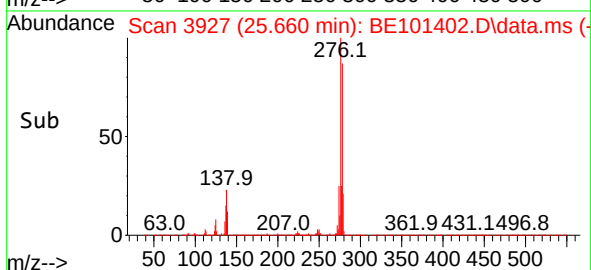
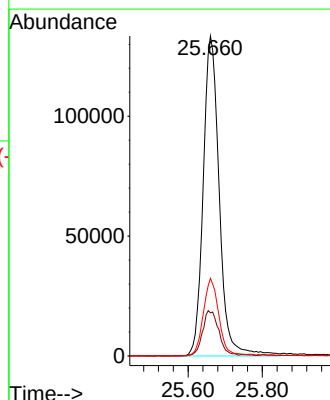
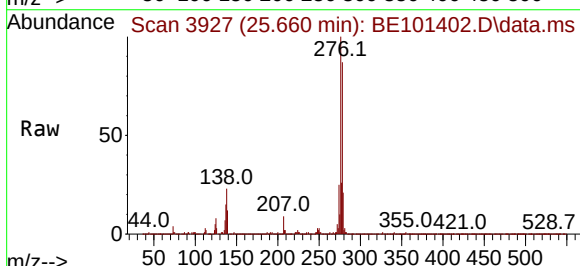
Tgt Ion:278 Resp: 402283

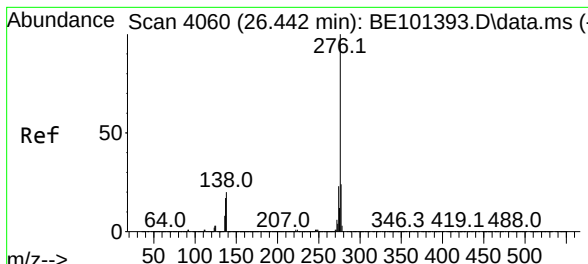
Ion Ratio Lower Upper

278 100

139 13.5 11.9 17.9

279 24.2 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 4.510 ng
 RT: 26.412 min Scan# 40
 Delta R.T. -0.030 min
 Lab File: BE101402.D
 Acq: 29 Oct 2024 12:06

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

Tgt Ion: 276 Resp: 381131

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.2
138	19.6	15.8	23.6

