

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091824\
 Data File : BE101357.D
 Acq On : 18 Sep 2024 11:09
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-5 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Quant Time: Sep 18 13:15:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE091724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 17 16:03:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.575	152	189270	20.000	ng	0.00
21) Naphthalene-d8	10.343	136	937630	20.000	ng	0.00
39) Acenaphthene-d10	14.185	164	691430	20.000	ng	0.00
64) Phenanthrene-d10	16.923	188	1655965	20.000	ng	0.00
76) Chrysene-d12	21.083	240	1916083	20.000	ng	0.00
86) Perylene-d12	23.380	264	2307618	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	1064466	98.334	ng	0.00
7) Phenol-d6	6.953	99	1447259	94.310	ng	0.00
23) Nitrobenzene-d5	8.786	82	1143456	77.315	ng	0.00
42) 2,4,6-Tribromophenol	15.695	330	1226324	105.449	ng	0.00
45) 2-Fluorobiphenyl	12.810	172	3104161	77.581	ng	0.00
79) Terphenyl-d14	19.520	244	5173834	59.873	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.228	88	20810	5.049	ng	98
4) n-Nitrosodimethylamine	3.633	42	10726	2.514	ng	# 83
6) Aniline	7.023	93	83875	6.515	ng	100
8) 2-Chlorophenol	7.217	128	68781	5.288	ng	95
9) Benzaldehyde	6.794	77	51006	7.232	ng	95
10) Phenol	6.976	94	75945	4.502	ng	90
11) bis(2-Chloroethyl)ether	7.023	93	83875	5.876	ng	# 33
12) 1,3-Dichlorobenzene	7.458	146	74170	5.305	ng	99
13) 1,4-Dichlorobenzene	7.605	146	76070	5.341	ng	98
14) 1,2-Dichlorobenzene	7.940	146	73229	5.188	ng	98
15) Benzyl Alcohol	7.922	79	52059	5.697	ng	90
16) 2,2'-oxybis(1-Chloropr...	8.075	45	101761	5.656	ng	99
17) 2-Methylphenol	8.163	107	51170	4.578	ng	96
18) Hexachloroethane	8.633	117	23796	5.108	ng	98
19) n-Nitroso-di-n-propyla...	8.380	70	56043	5.174	ng	95
20) 3+4-Methylphenols	8.498	107	68494	4.355	ng	96
22) Acetophenone	8.433	105	114740	5.277	ng	# 99
24) Nitrobenzene	8.827	77	83582	5.293	ng	98
25) Isophorone	9.279	82	158833	5.246	ng	98
26) 2-Nitrophenol	9.520	139	34182	4.587	ng	99
27) 2,4-Dimethylphenol	9.632	122	29882	3.124	ng	92
28) bis(2-Chloroethoxy)met...	9.790	93	94946	5.184	ng	99
29) 2,4-Dichlorophenol	10.067	162	64880	4.952	ng	97
30) 1,2,4-Trichlorobenzene	10.190	180	74709	5.277	ng	98
31) Naphthalene	10.390	128	249669	5.277	ng	100
32) Benzoic acid	9.820	122	13497	8.465	ng	91
33) 4-Chloroaniline	10.625	127	91481	5.054	ng	98
34) Hexachlorobutadiene	10.642	225	41744	5.075	ng	96
35) Caprolactam	11.406	113	21790	4.117	ng	95
36) 4-Chloro-3-methylphenol	11.794	107	69360	4.481	ng	96
37) 2-Methylnaphthalene	11.982	142	182910	5.286	ng	100
38) 1-Methylnaphthalene	12.211	142	176371	5.081	ng	100
40) 1,2,4,5-Tetrachloroben...	12.335	216	90800	5.451	ng	100
41) Hexachlorocyclopentadiene	12.323	237	14426	2.636	ng	94
43) 2,4,6-Trichlorophenol	12.658	196	56278	4.771	ng	99
44) 2,4,5-Trichlorophenol	12.758	196	63162	4.746	ng	99

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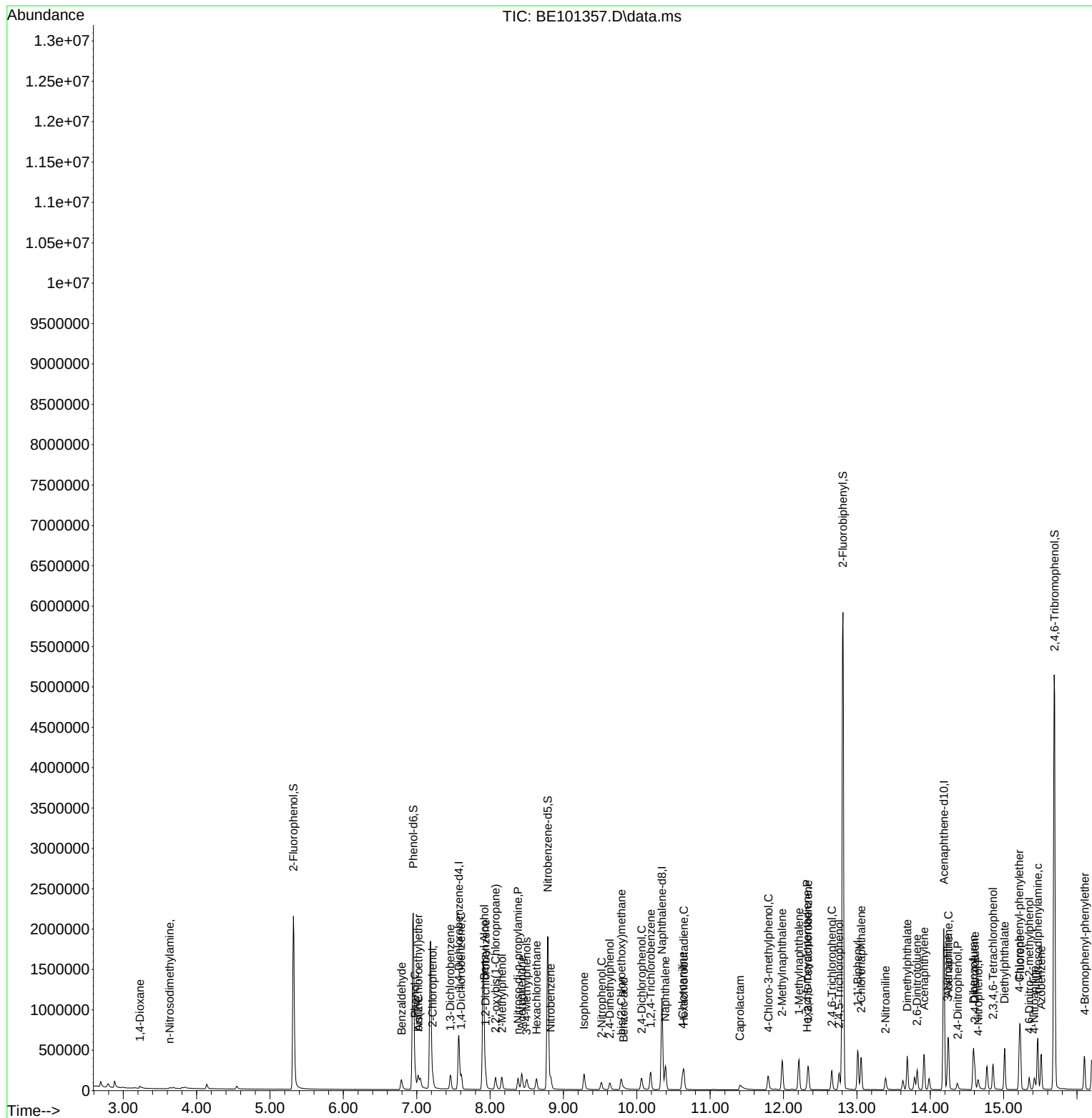
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.010	154	266063	5.678	ng	100
47) 2-Chloronaphthalene	13.057	162	194903	5.288	ng	99
48) 2-Nitroaniline	13.392	65	40128	4.047	ng	96
49) Acenaphthylene	13.915	152	316027	5.746	ng	97
50) Dimethylphthalate	13.686	163	276771	5.547	ng	99
51) 2,6-Dinitrotoluene	13.821	165	52000	4.657	ng	95
52) Acenaphthene	14.250	154	192911	5.321	ng	96
53) 3-Nitroaniline	14.238	138	49604	4.319	ng	97
54) 2,4-Dinitrophenol	14.373	184	19739	2.970	ng	98
55) Dibenzofuran	14.591	168	326134	5.695	ng	96
56) 4-Nitrophenol	14.655	139	37421	3.919	ng	99
57) 2,4-Dinitrotoluene	14.608	165	65088	4.282	ng	87
58) Fluorene	15.225	166	266491	5.523	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.855	232	65423	5.198	ng	100
60) Diethylphthalate	15.014	149	289879	5.600	ng	98
61) 4-Chlorophenyl-phenyle...	15.214	204	128784	5.441	ng	99
62) 4-Nitroaniline	15.419	138	49618	4.145	ng	92
63) Azobenzene	15.513	77	247893	5.604	ng	96
65) 4,6-Dinitro-2-methylph...	15.349	198	32627	3.470	ng	96
66) n-Nitrosodiphenylamine	15.466	169	234363	5.310	ng	100
67) 4-Bromophenyl-phenylether	16.107	248	87973	5.114	ng	96
68) Hexachlorobenzene	16.206	284	114407	5.146	ng	97
69) Atrazine	16.400	200	88523	6.073	ng	99
70) Pentachlorophenol	16.612	266	51536	3.880	ng	98
71) Phenanthrene	16.964	178	458019	5.824	ng	96
72) Anthracene	17.047	178	409929	5.356	ng	96
73) Carbazole	17.382	167	430848	5.493	ng	98
74) Di-n-butylphthalate	17.828	149	519903	6.037	ng	# 95
75) Fluoranthene	18.968	202	567364	5.992	ng	95
77) Benzidine	19.227	184	78295	2.462	ng	99
78) Pyrene	19.338	202	605591	5.683	ng	92
80) Butylbenzylphthalate	20.190	149	262381	5.562	ng	99
81) Benzo(a)anthracene	21.060	228	658292	6.118	ng	92
82) 3,3'-Dichlorobenzidine	21.042	252	209216	4.962	ng	99
83) Chrysene	21.118	228	639955	6.191	ng	91
84) Bis(2-ethylhexyl)phtha...	20.895	149	376220	6.031	ng	# 94
85) Di-n-octyl phthalate	21.741	149	610689	5.997	ng	99
87) Indeno(1,2,3-cd)pyrene	25.689	276	876050	5.762	ng	98
88) Benzo(b)fluoranthene	22.658	252	684436	5.727	ng	94
89) Benzo(k)fluoranthene	22.705	252	702375	6.227	ng	94
90) Benzo(a)pyrene	23.263	252	622595	5.903	ng	97
91) Dibenzo(a,h)anthracene	25.684	278	732462	5.754	ng	98
92) Benzo(g,h,i)perylene	26.436	276	688794	5.329	ng	97

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

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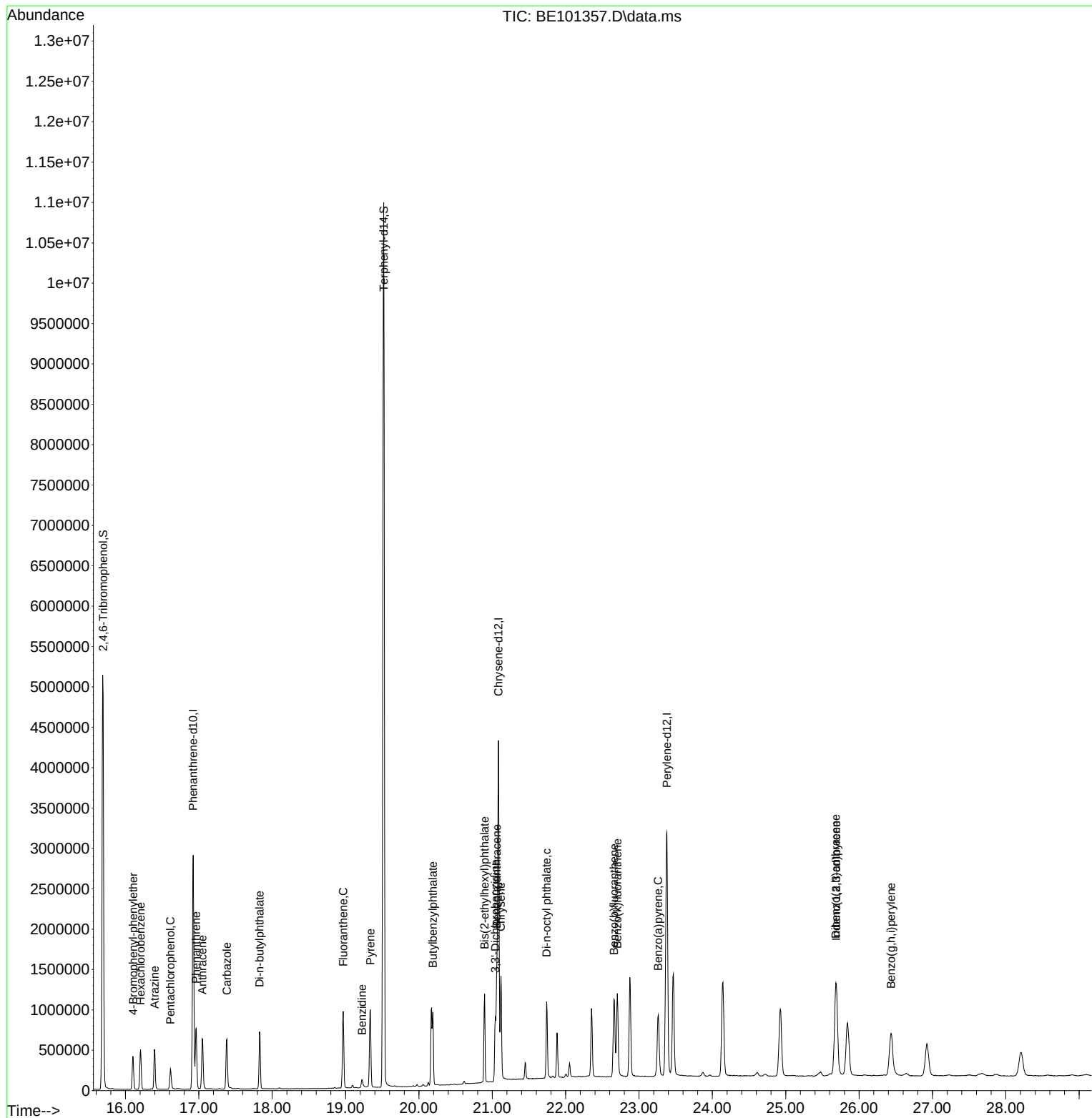
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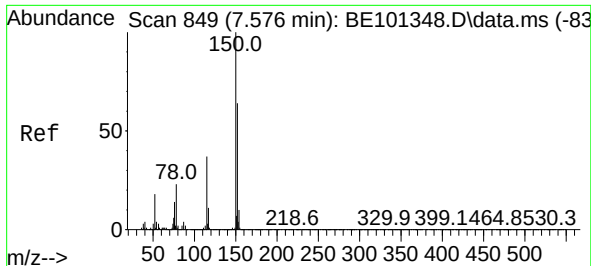


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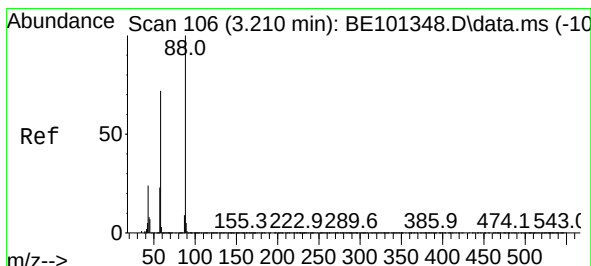
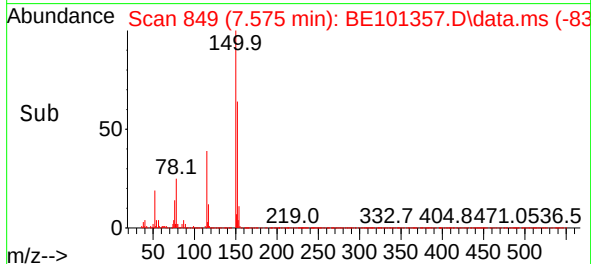
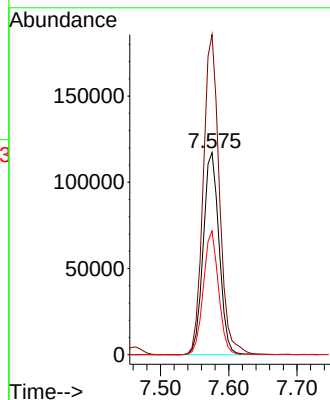
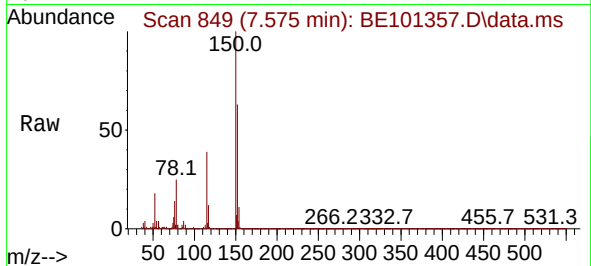




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.575 min Scan# 849
Delta R.T. -0.001 min
Lab File: BE101357.D
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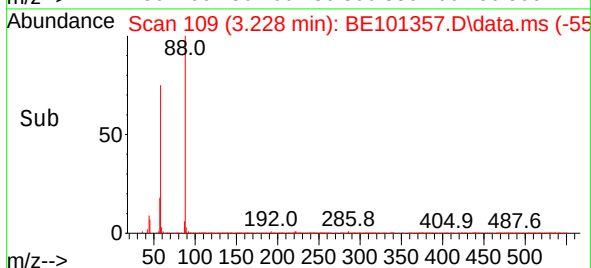
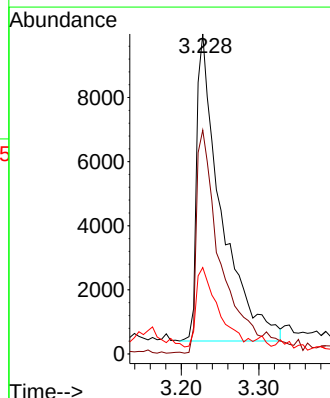
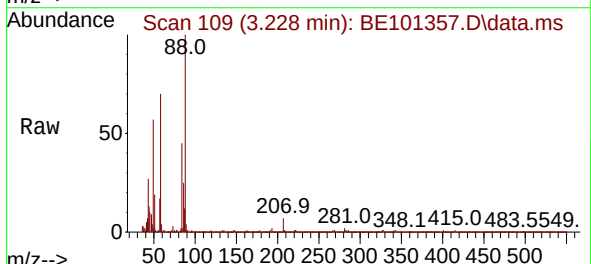
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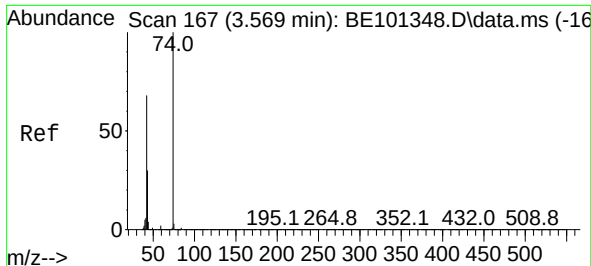
Tgt Ion:152 Resp: 189270
Ion Ratio Lower Upper
152 100
150 158.3 125.9 188.9
115 61.2 46.9 70.3



#2
1,4-Dioxane
Concen: 5.049 ng
RT: 3.228 min Scan# 109
Delta R.T. 0.017 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion: 88 Resp: 20810
Ion Ratio Lower Upper
88 100
58 70.8 58.8 88.2
43 24.3 19.4 29.2





#4

n-Nitrosodimethylamine

Concen: 2.514 ng

RT: 3.633 min Scan# 1

Delta R.T. 0.064 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

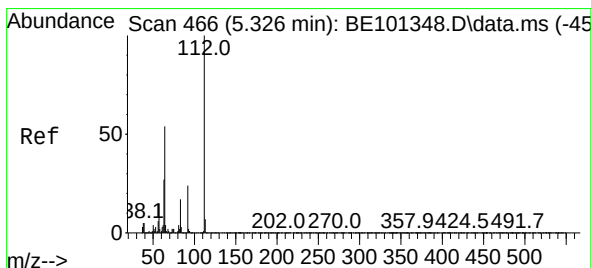
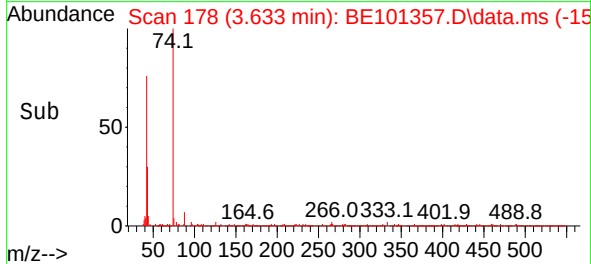
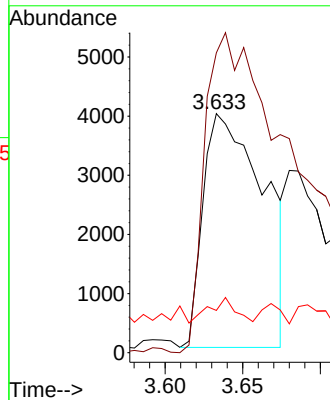
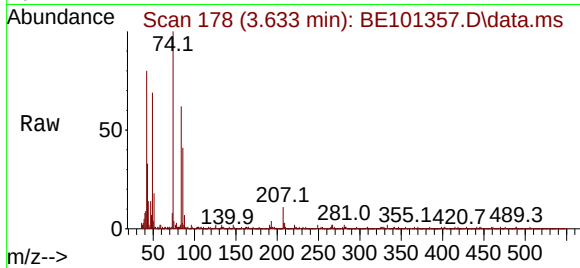
Tgt Ion: 42 Resp: 10726

Ion Ratio Lower Upper

42 100

74 125.5 117.0 175.4

44 17.7 5.9 8.9#



#5

2-Fluorophenol

Concen: 98.334 ng

RT: 5.319 min Scan# 465

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

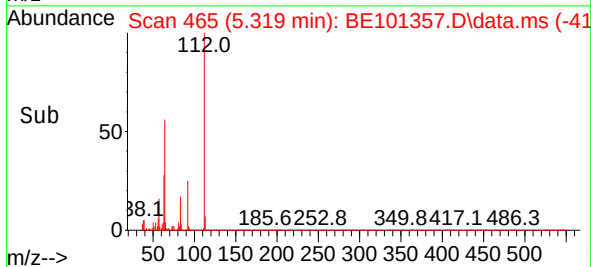
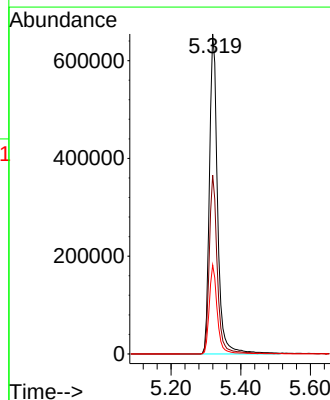
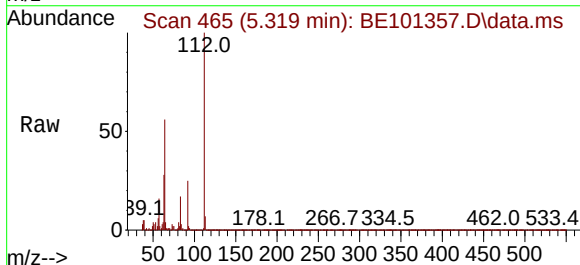
Tgt Ion: 112 Resp: 1064466

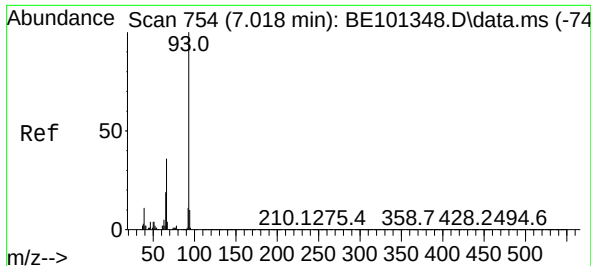
Ion Ratio Lower Upper

112 100

64 55.9 42.8 64.2

63 27.8 21.3 31.9





#6

Aniline

Concen: 6.515 ng

RT: 7.023 min Scan# 755

Delta R.T. 0.005 min

Lab File: BE101357.D

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Instrument :

BNA_E

ClientSampleId :

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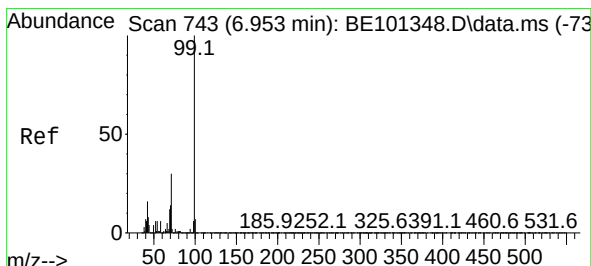
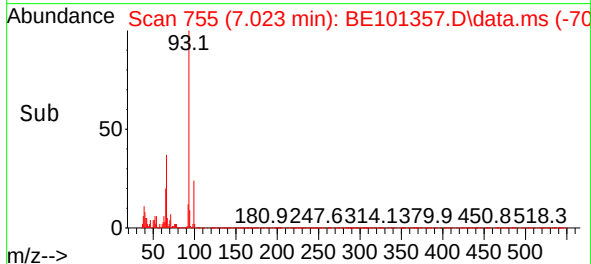
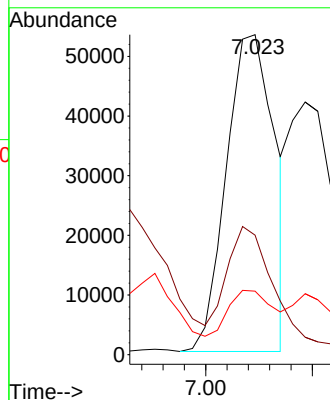
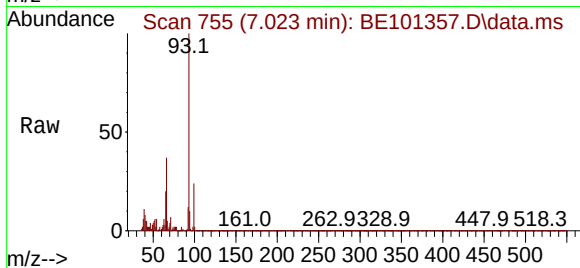
Tgt Ion: 93 Resp: 83875

Ion Ratio Lower Upper

93 100

66 37.4 30.0 45.0

65 19.9 15.8 23.8



#7

Phenol-d6

Concen: 94.310 ng

RT: 6.953 min Scan# 743

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

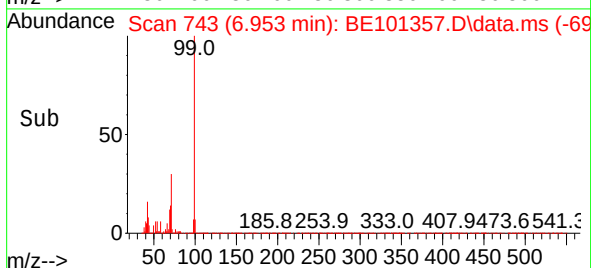
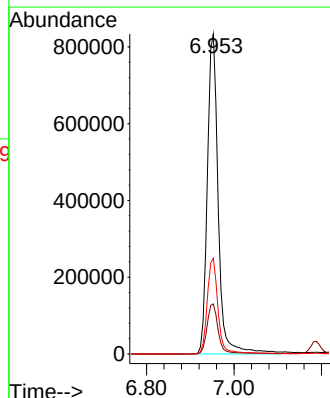
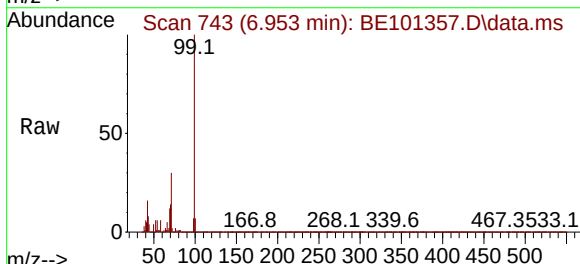
Tgt Ion: 99 Resp: 1447259

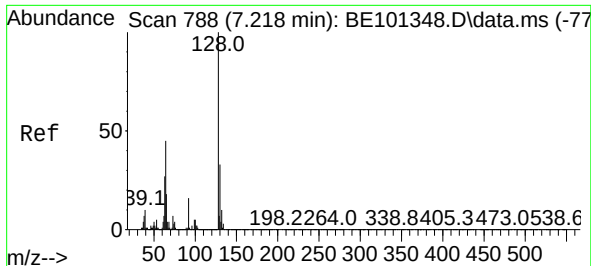
Ion Ratio Lower Upper

99 100

42 15.6 12.8 19.2

71 29.9 23.8 35.6

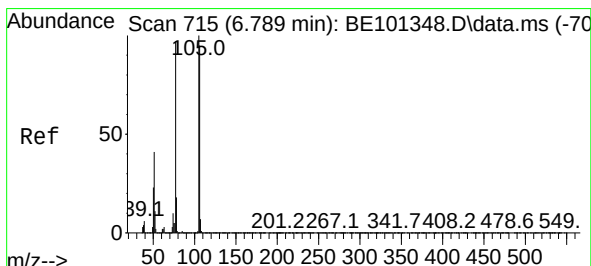
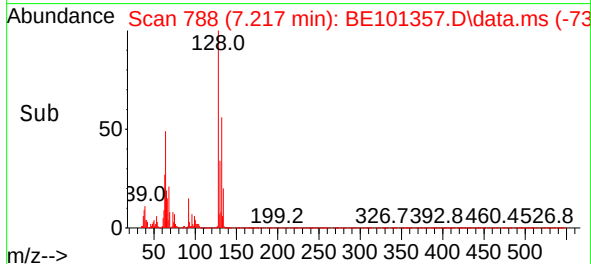
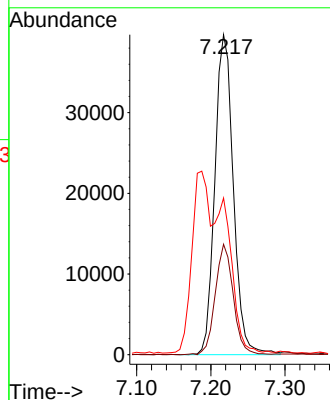
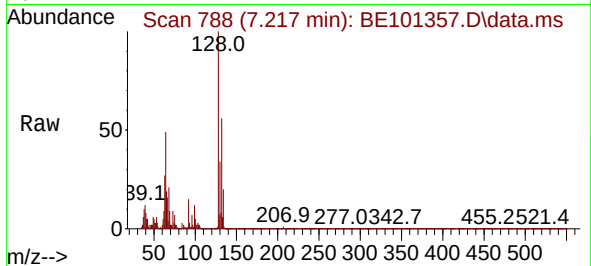




#8
2-Chlorophenol
Concen: 5.288 ng
RT: 7.217 min Scan# 716
Delta R.T. -0.000 min
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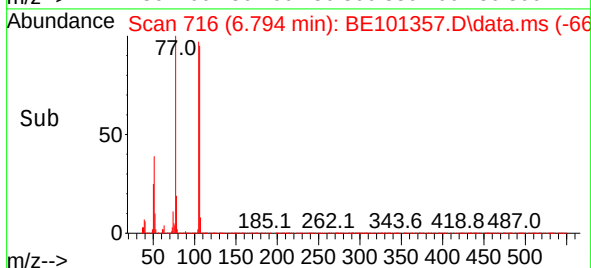
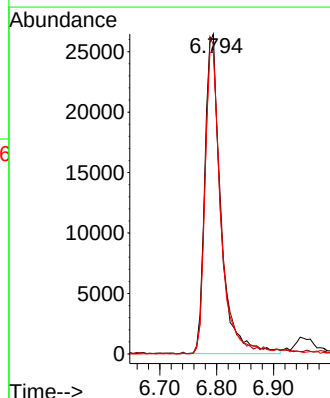
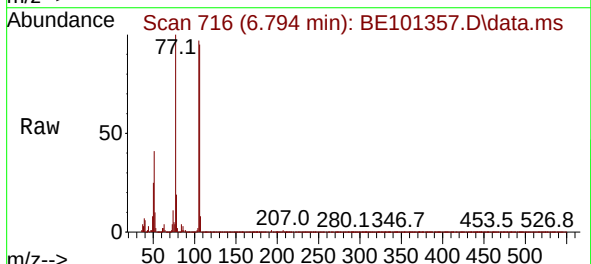
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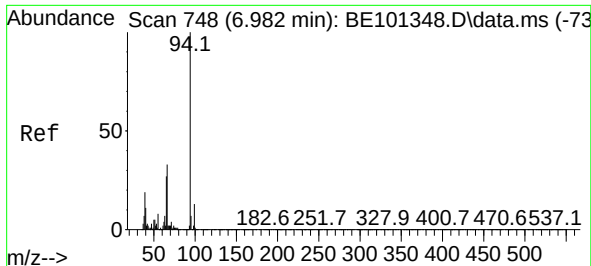
Tgt Ion:	128	Resp:	68781
Ion	Ratio	Lower	Upper
128	100		
130	34.5	12.8	52.8
64	48.9	24.9	64.9



#9
Benzaldehyde
Concen: 7.232 ng
RT: 6.794 min Scan# 716
Delta R.T. 0.005 min
Lab File: BE101357.D
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Tgt Ion:	77	Resp:	51006
Ion	Ratio	Lower	Upper
77	100		
105	96.7	82.8	122.8
106	94.8	77.9	117.9

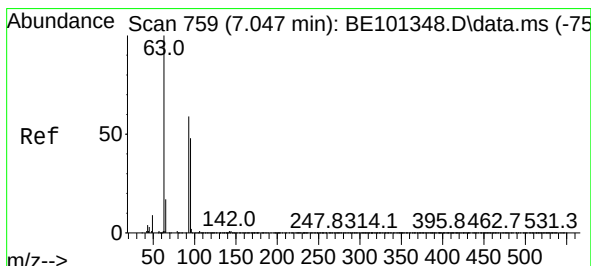
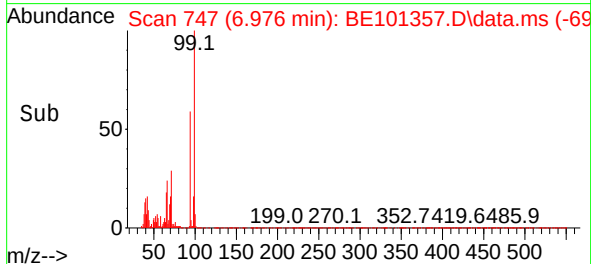
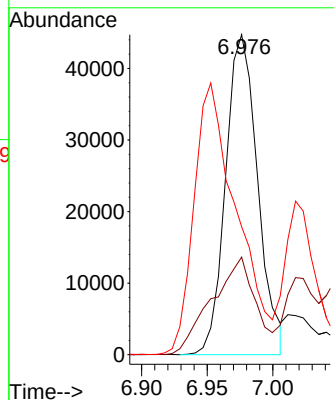
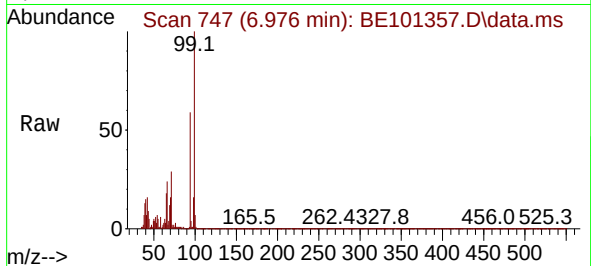




#10
Phenol
Concen: 4.502 ng
RT: 6.976 min Scan# 748
Delta R.T. -0.006 min
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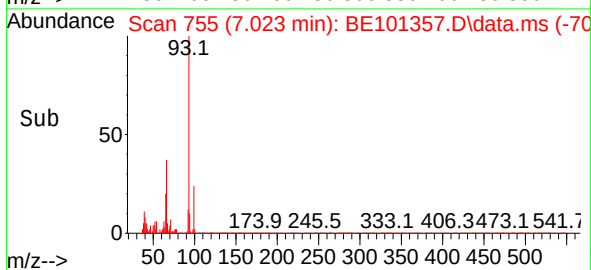
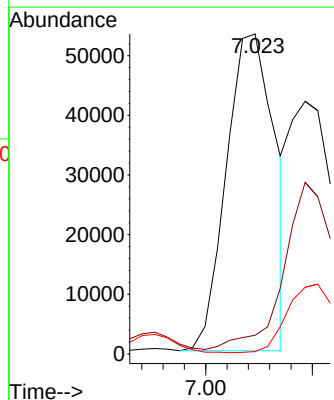
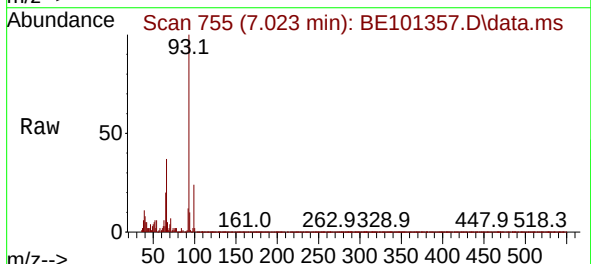
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

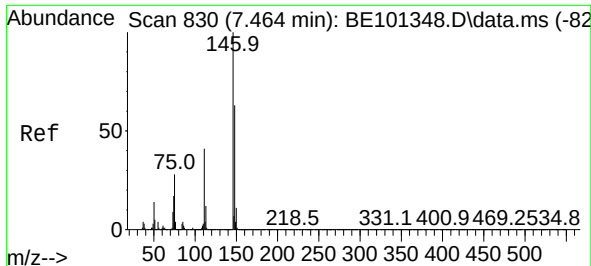
Tgt Ion: 94 Resp: 75945
Ion Ratio Lower Upper
94 100
65 30.5 7.1 47.1
66 40.0 13.1 53.1



#11
bis(2-Chloroethyl)ether
Concen: 5.876 ng
RT: 7.023 min Scan# 755
Delta R.T. -0.024 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion: 93 Resp: 83875
Ion Ratio Lower Upper
93 100
63 5.8 43.7 83.7#
95 0.8 8.7 48.7#

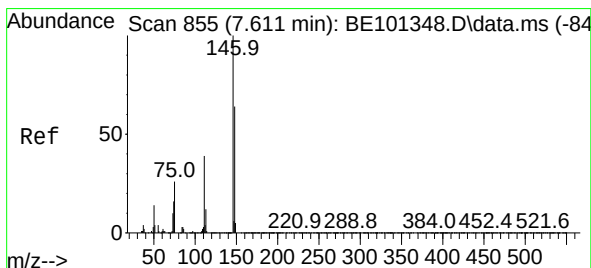
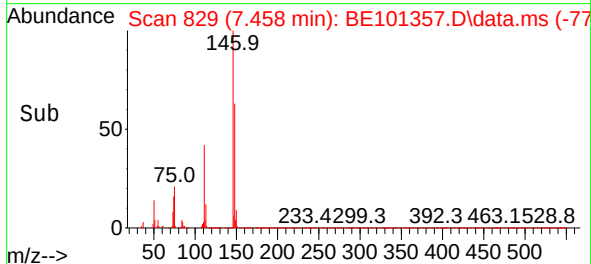
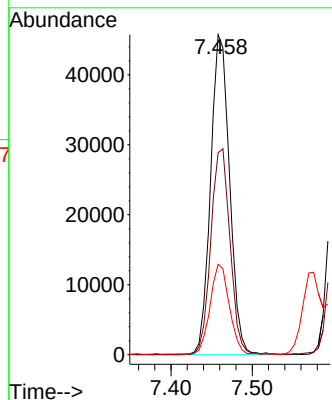
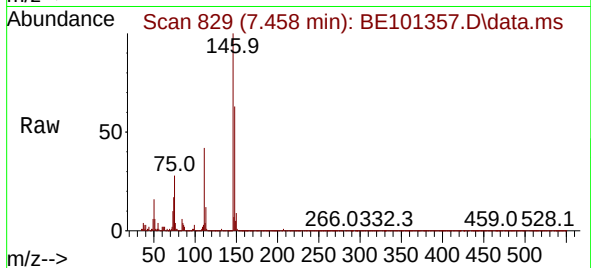




#12
1,3-Dichlorobenzene
Concen: 5.305 ng
RT: 7.458 min Scan# 81
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

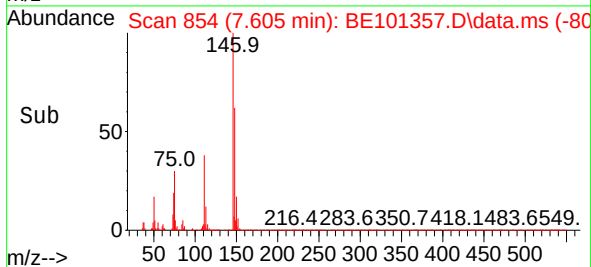
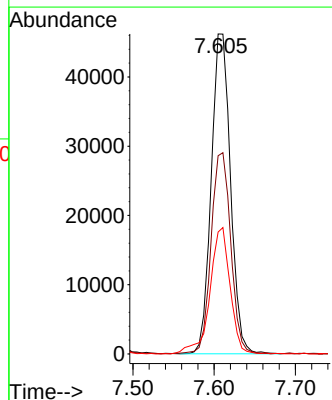
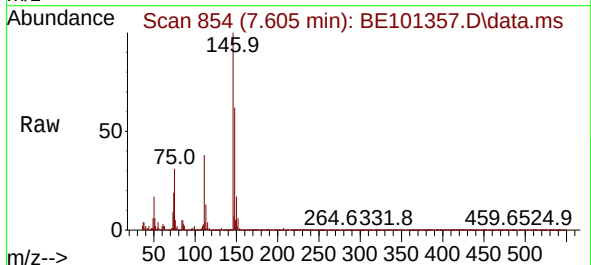
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

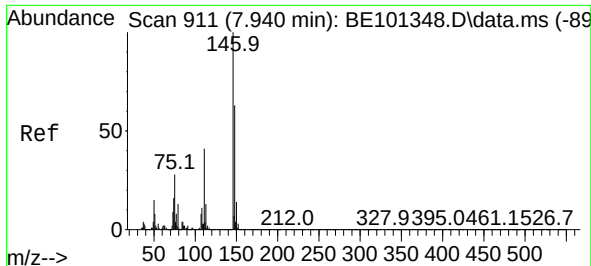
Tgt Ion:146 Resp: 74170
Ion Ratio Lower Upper
146 100
148 63.1 50.8 76.2
75 28.3 22.1 33.1



#13
1,4-Dichlorobenzene
Concen: 5.341 ng
RT: 7.605 min Scan# 854
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:146 Resp: 76070
Ion Ratio Lower Upper
146 100
148 61.9 51.1 76.7
111 38.1 31.1 46.7

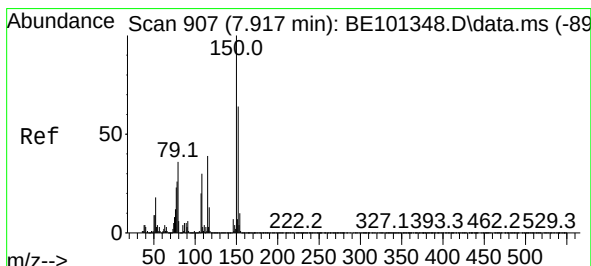
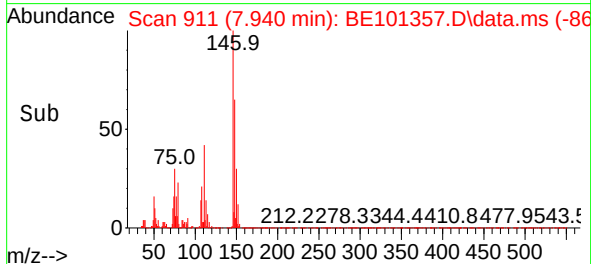
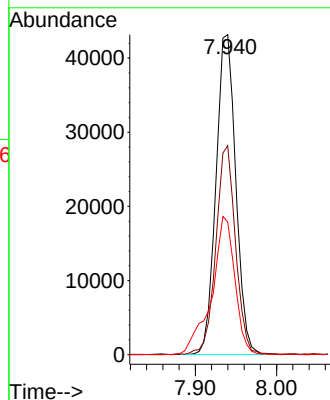
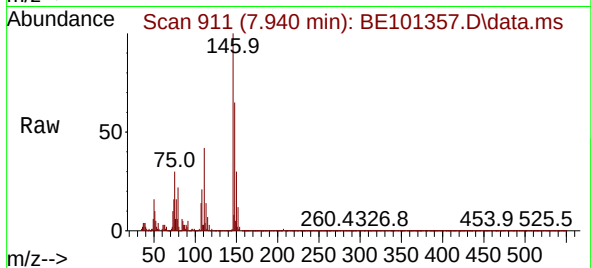




#14
1,2-Dichlorobenzene
Concen: 5.188 ng
RT: 7.940 min Scan# 911
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

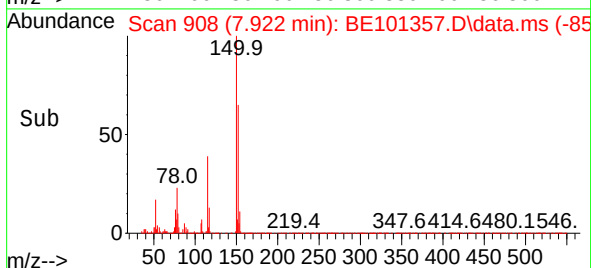
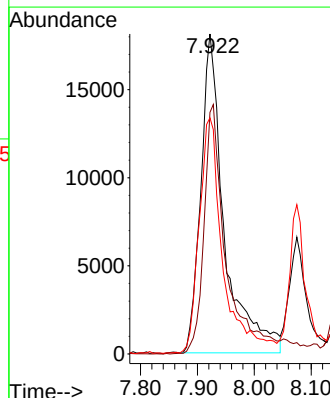
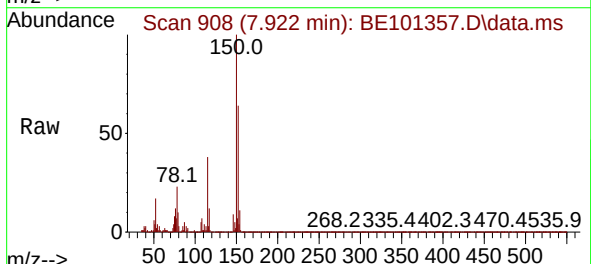
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

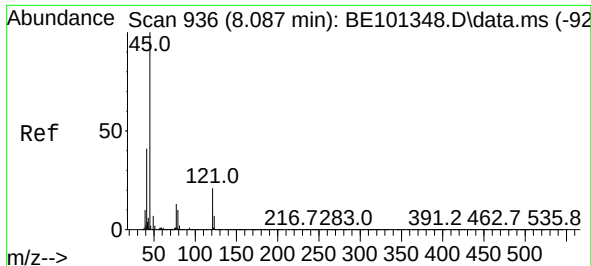
Tgt Ion:146 Resp: 73229
Ion Ratio Lower Upper
146 100
148 65.3 50.4 75.6
111 41.5 32.6 48.8



#15
Benzyl Alcohol
Concen: 5.697 ng
RT: 7.922 min Scan# 908
Delta R.T. 0.005 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion: 79 Resp: 52059
Ion Ratio Lower Upper
79 100
108 75.5 66.0 99.0
77 73.8 51.0 76.6

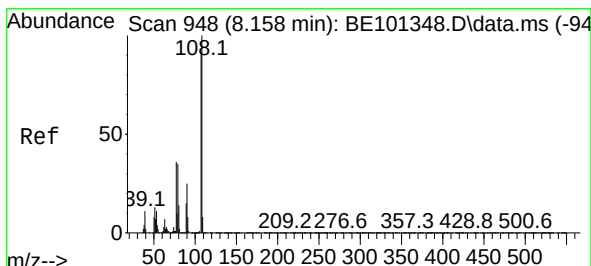
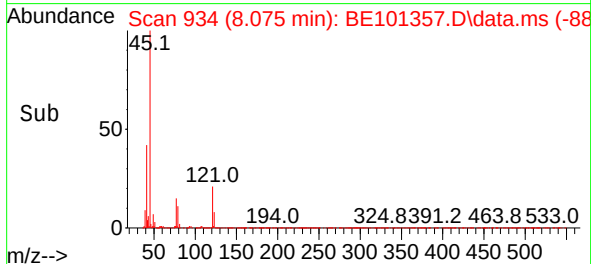
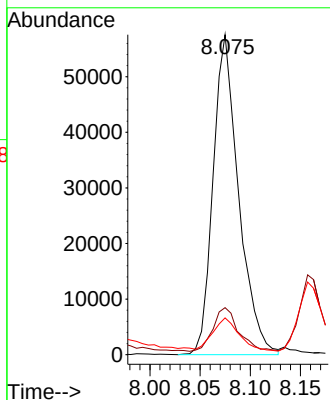
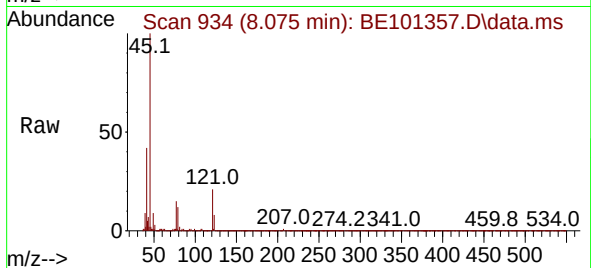




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.656 ng
RT: 8.075 min Scan# 948
Delta R.T. -0.012 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

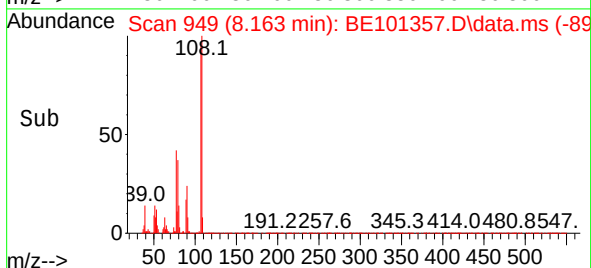
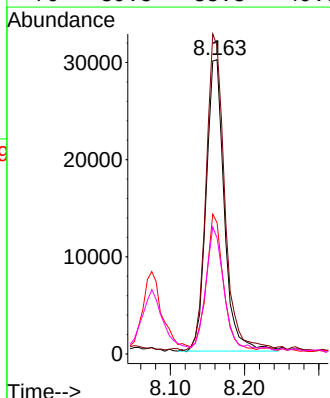
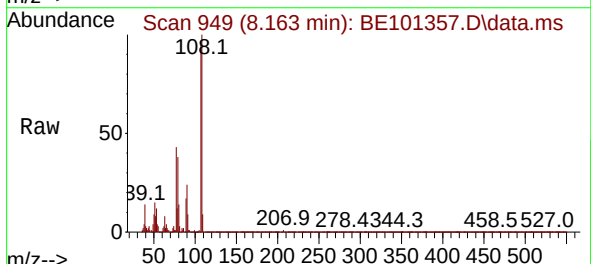
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

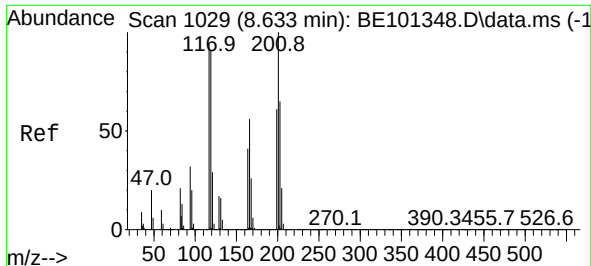
Tgt Ion: 45 Resp: 101761
Ion Ratio Lower Upper
45 100
77 14.7 0.0 34.3
79 11.5 0.0 31.6



#17
2-Methylphenol
Concen: 4.578 ng
RT: 8.163 min Scan# 949
Delta R.T. 0.005 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:107 Resp: 51170
Ion Ratio Lower Upper
107 100
108 104.7 88.2 132.2
77 44.6 34.9 52.3
79 39.5 33.3 49.9

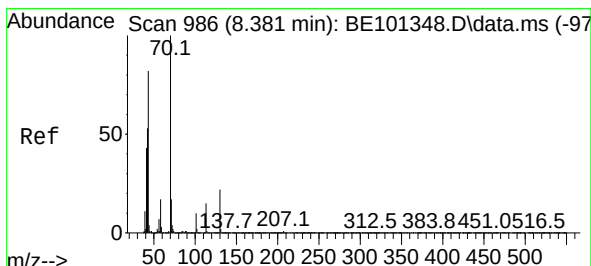
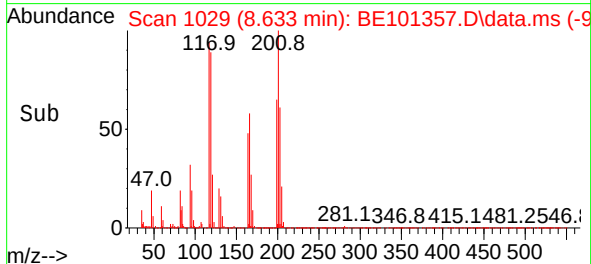
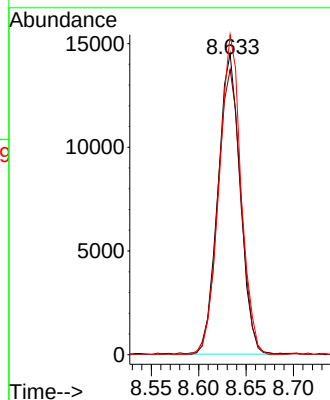
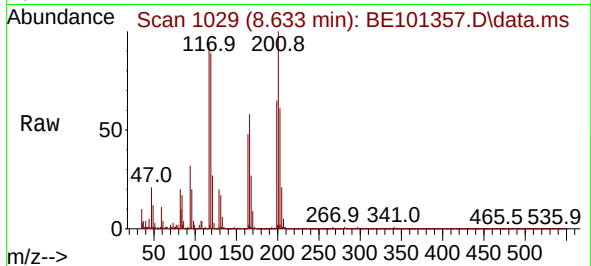




#18
Hexachloroethane
Concen: 5.108 ng
RT: 8.633 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

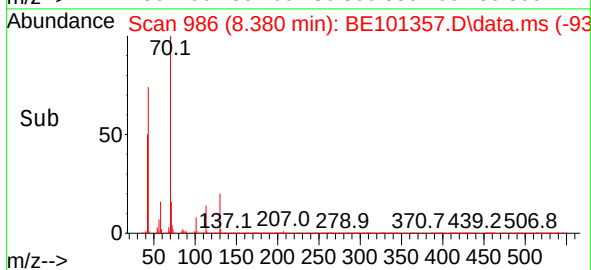
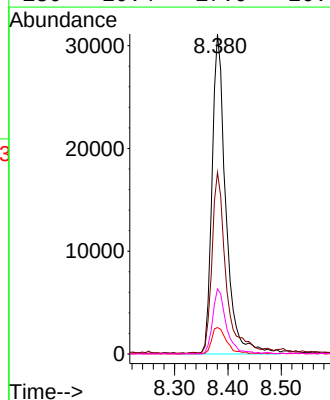
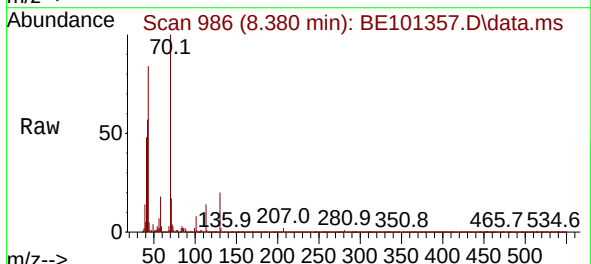
Instrument : BNA_E
ClientSampleId : LOQ-SOIL-02-QT2-2024

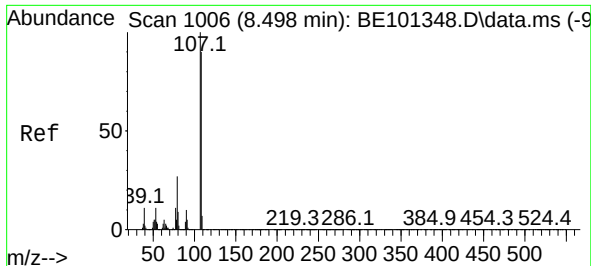
Tgt Ion:117 Resp: 23796
Ion Ratio Lower Upper
117 100
119 94.9 77.4 116.2
201 108.0 84.8 127.2



#19
n-Nitroso-di-n-propylamine
Concen: 5.174 ng
RT: 8.380 min Scan# 986
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion: 70 Resp: 56043
Ion Ratio Lower Upper
70 100
42 56.7 42.5 63.7
101 8.2 7.8 11.6
130 20.4 17.9 26.9





#20

3+4-Methylphenols

Concen: 4.355 ng

RT: 8.498 min Scan# 1

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:107 Resp: 68494

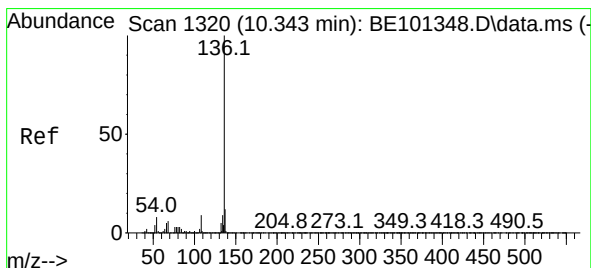
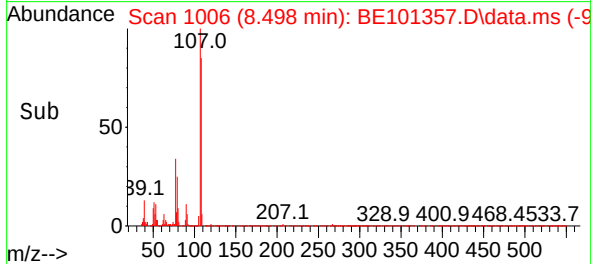
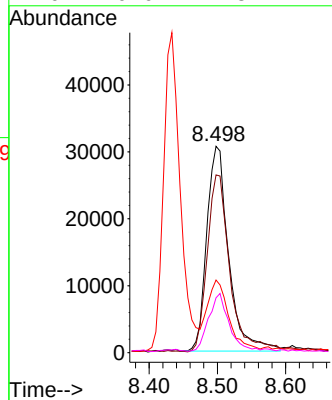
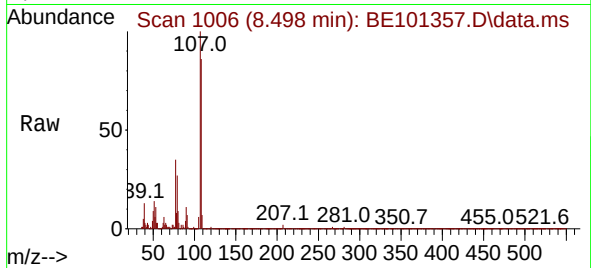
Ion Ratio Lower Upper

107 100

108 86.1 70.4 110.4

77 35.2 12.5 52.5

79 26.6 7.3 47.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.343 min Scan# 1320

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion:136 Resp: 937630

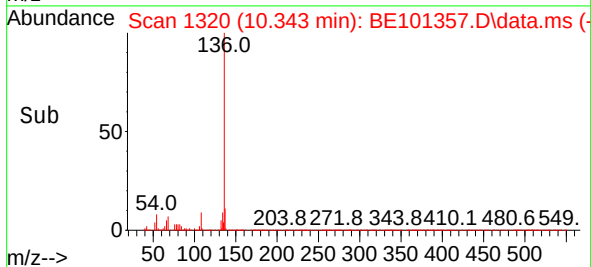
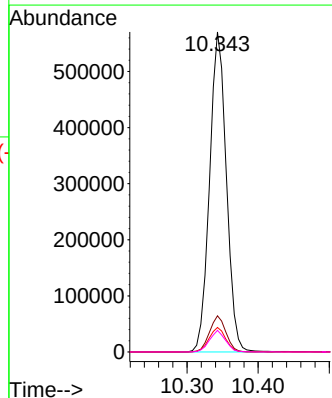
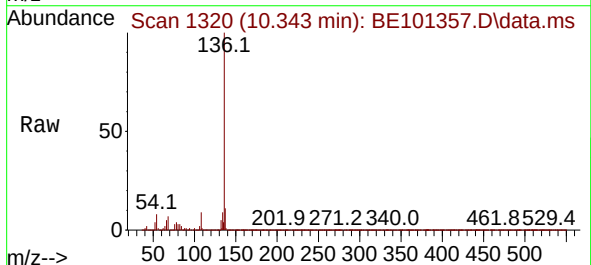
Ion Ratio Lower Upper

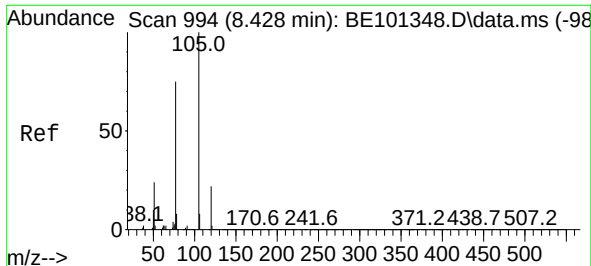
136 100

137 11.3 9.3 13.9

54 7.7 6.1 9.1

68 6.8 5.1 7.7

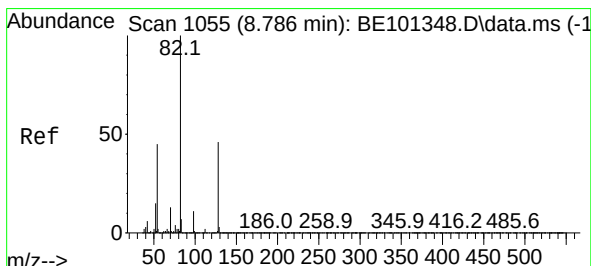
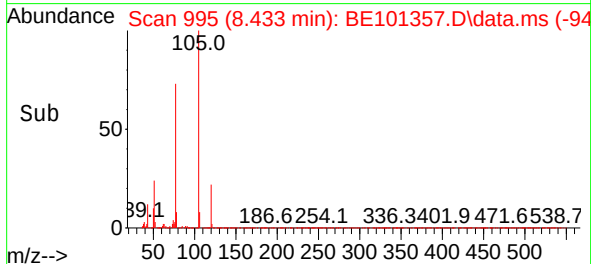
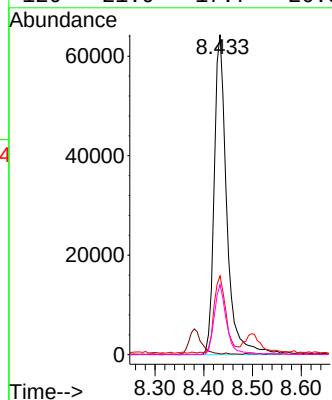
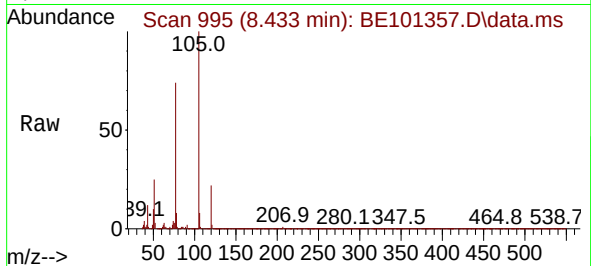




#22
Acetophenone
Concen: 5.277 ng
RT: 8.433 min Scan# 994
Delta R.T. 0.005 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

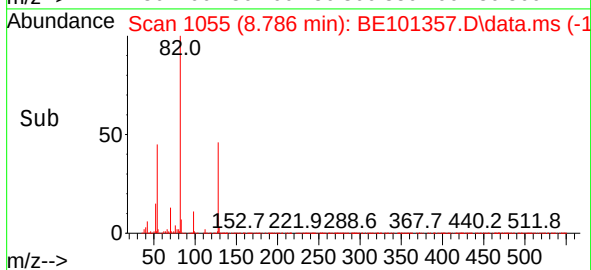
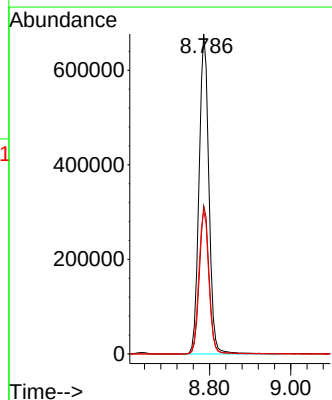
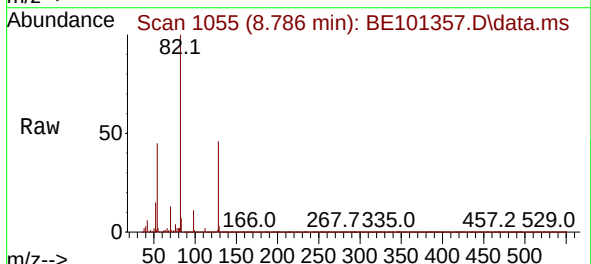
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

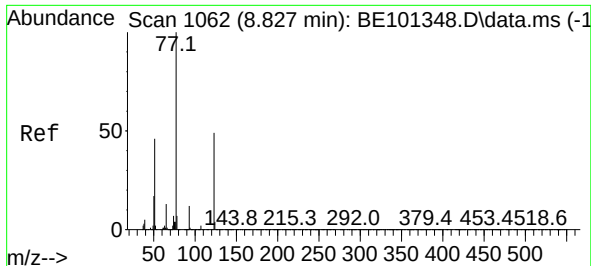
Tgt Ion:	105	Resp:	114740
Ion	Ratio	Lower	Upper
105	100		
71	0.3	0.1	0.1#
51	24.6	19.0	28.4
120	21.9	17.7	26.5



#23
Nitrobenzene-d5
Concen: 77.315 ng
RT: 8.786 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:	82	Resp:	1143456
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.8	55.2
54	44.8	36.2	54.4

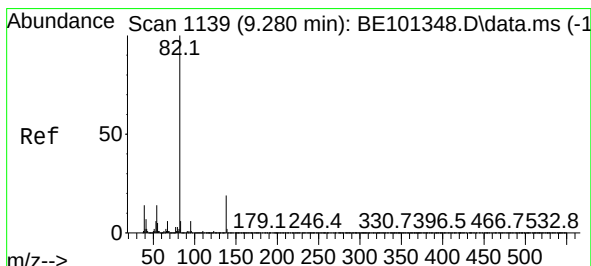
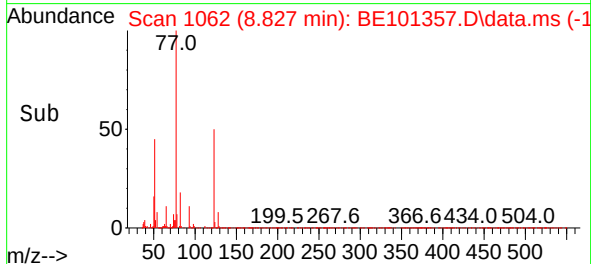
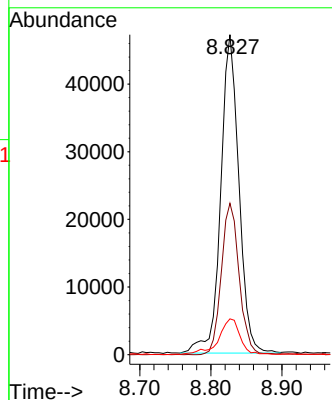
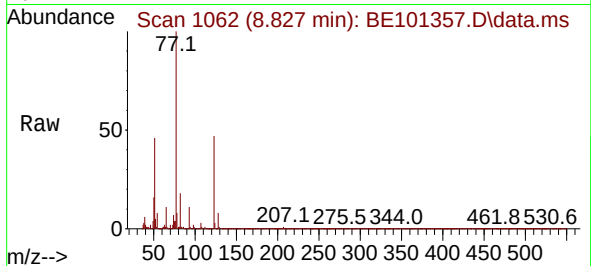




#24
Nitrobenzene
Concen: 5.293 ng
RT: 8.827 min Scan# 1062
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

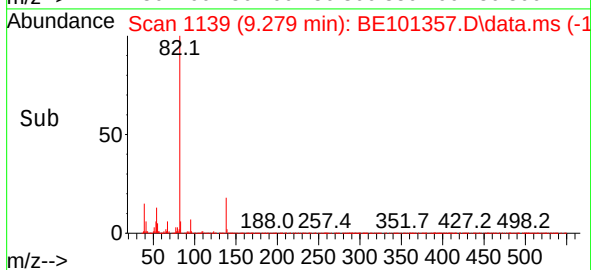
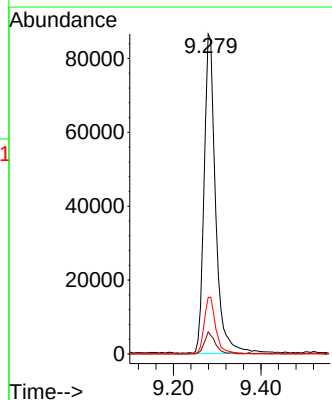
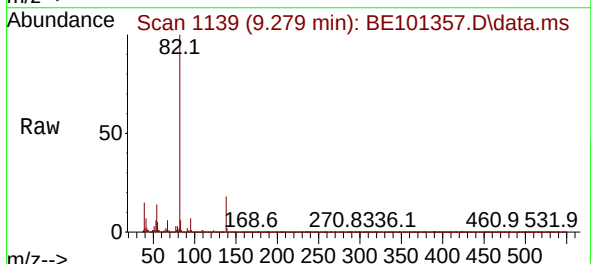
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

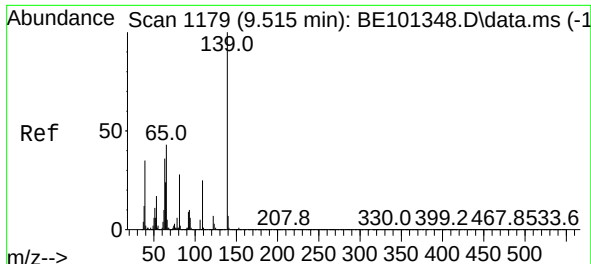
Tgt Ion: 77 Resp: 83582
Ion Ratio Lower Upper
77 100
123 47.3 39.0 58.4
65 11.2 10.2 15.4



#25
Isophorone
Concen: 5.246 ng
RT: 9.279 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion: 82 Resp: 158833
Ion Ratio Lower Upper
82 100
95 6.9 5.2 7.8
138 17.7 15.0 22.6





#26

2-Nitrophenol

Concen: 4.587 ng

RT: 9.520 min Scan# 1180

Delta R.T. 0.005 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

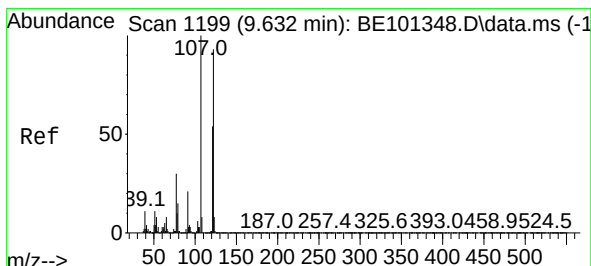
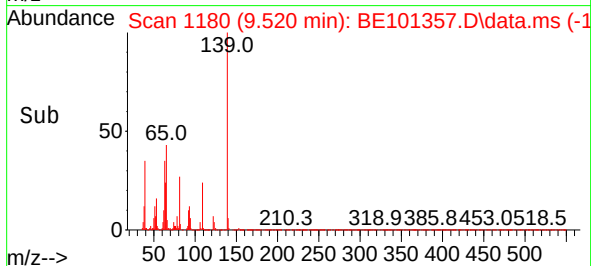
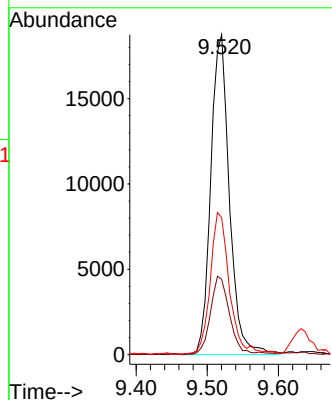
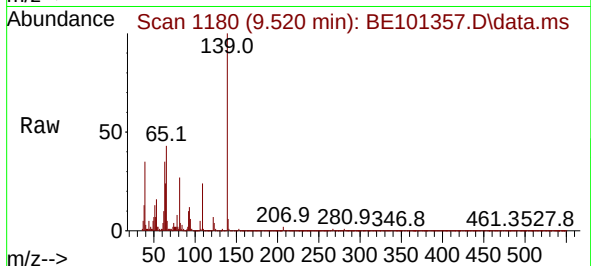
Tgt Ion:139 Resp: 34182

Ion Ratio Lower Upper

139 100

109 23.6 19.8 29.6

65 42.9 34.6 52.0



#27

2,4-Dimethylphenol

Concen: 3.124 ng

RT: 9.632 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

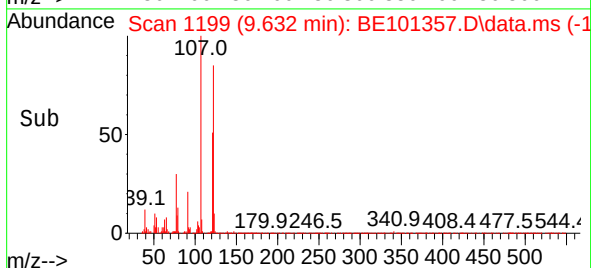
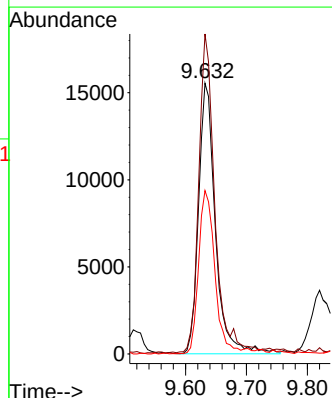
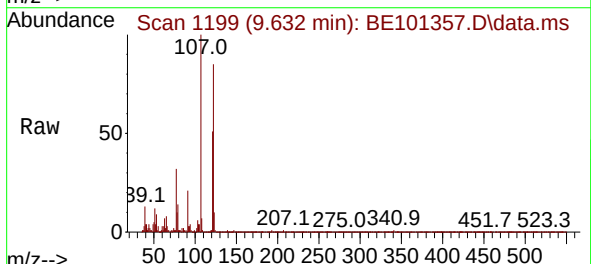
Tgt Ion:122 Resp: 29882

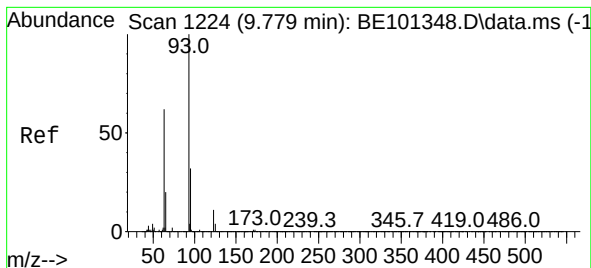
Ion Ratio Lower Upper

122 100

107 118.2 86.4 129.6

121 60.3 46.3 69.5

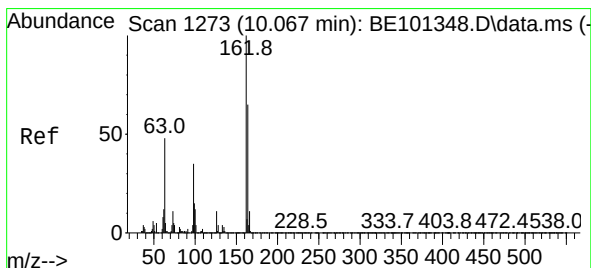
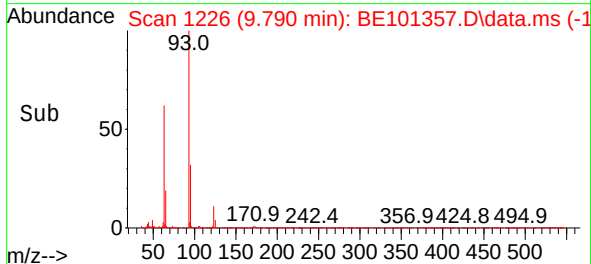
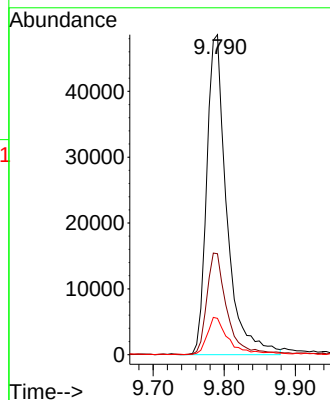
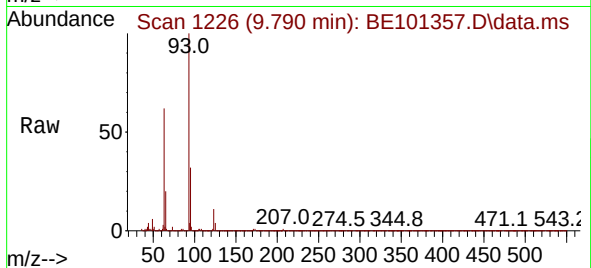




#28
bis(2-Chloroethoxy)methane
Concen: 5.184 ng
RT: 9.790 min Scan# 1224
Delta R.T. 0.011 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

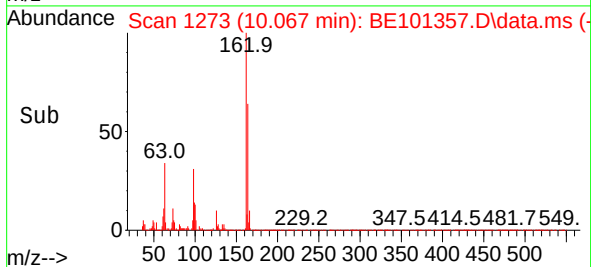
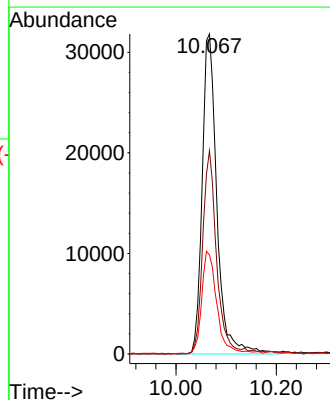
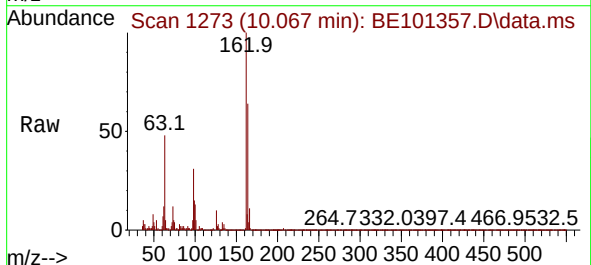
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

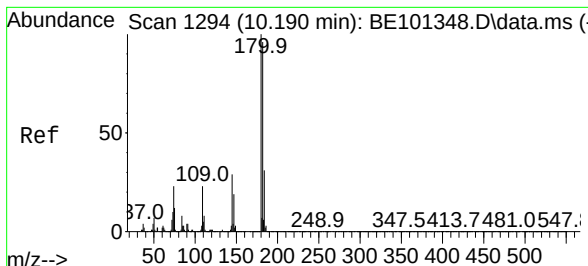
Tgt Ion: 93 Resp: 94946
Ion Ratio Lower Upper
93 100
95 31.6 26.0 39.0
123 11.3 9.0 13.4



#29
2,4-Dichlorophenol
Concen: 4.952 ng
RT: 10.067 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion: 162 Resp: 64880
Ion Ratio Lower Upper
162 100
164 63.5 44.6 84.6
98 31.0 14.7 54.7





#30

1,2,4-Trichlorobenzene

Concen: 5.277 ng

RT: 10.190 min Scan# 1294

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

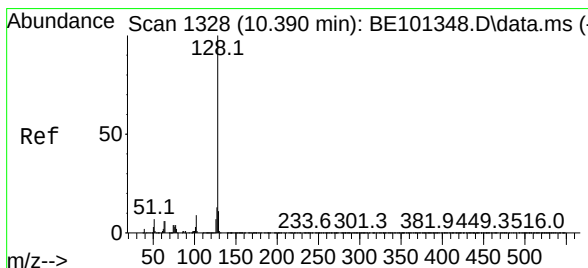
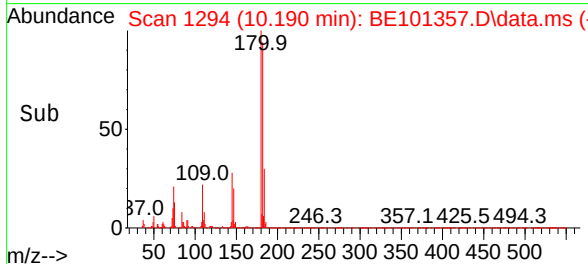
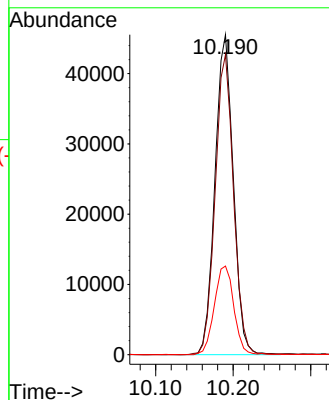
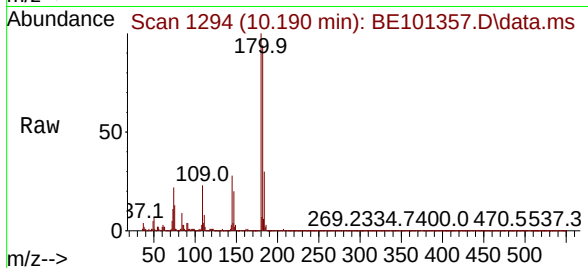
Tgt Ion:180 Resp: 74709

Ion Ratio Lower Upper

180 100

182 93.8 76.6 114.8

145 27.7 23.5 35.3



#31

Naphthalene

Concen: 5.277 ng

RT: 10.390 min Scan# 1328

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

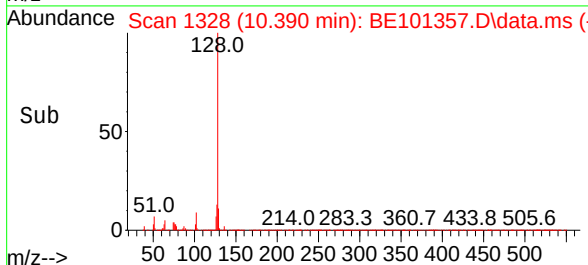
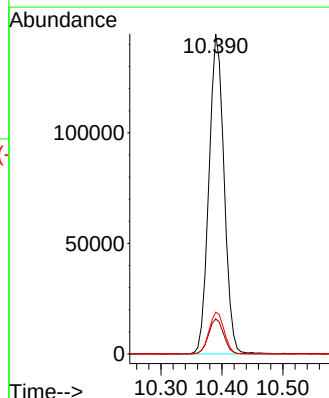
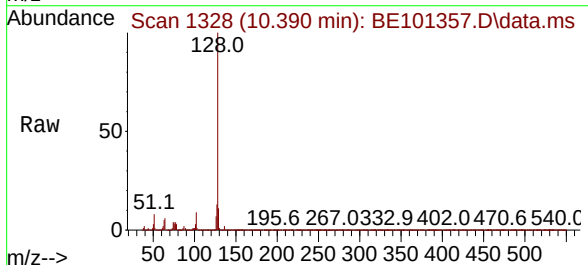
Tgt Ion:128 Resp: 249669

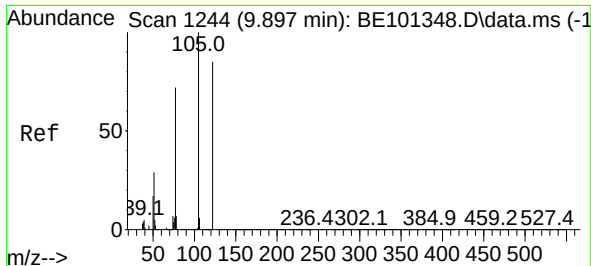
Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.1 10.3 15.5

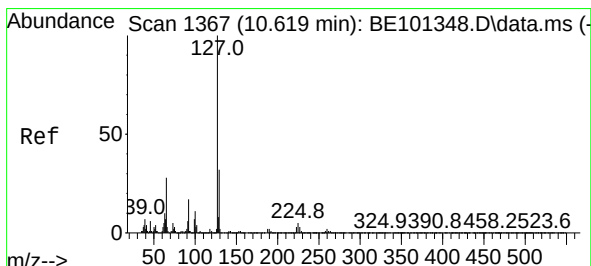
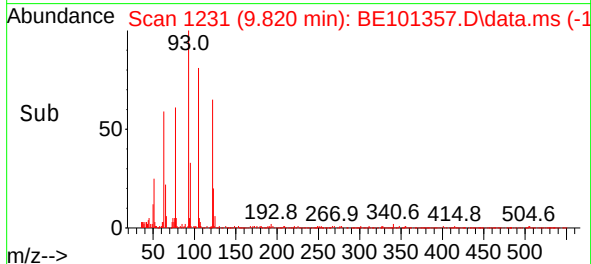
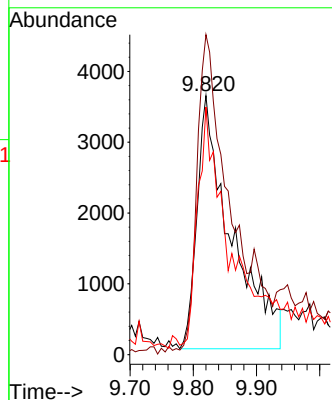
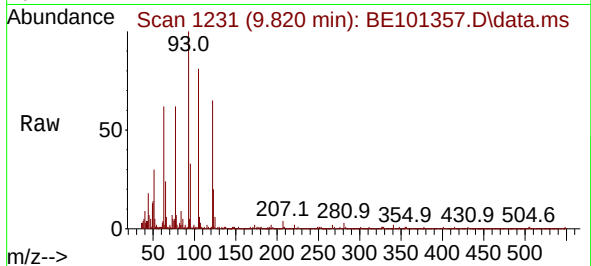




#32
Benzoic acid
Concen: 8.465 ng
RT: 9.820 min Scan# 1231
Delta R.T. -0.077 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

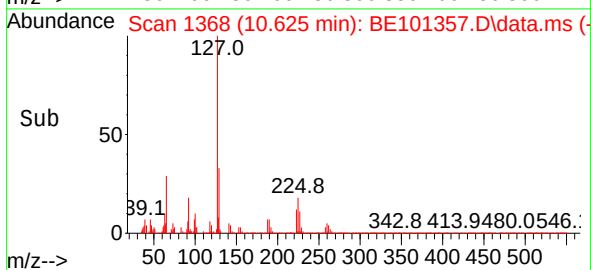
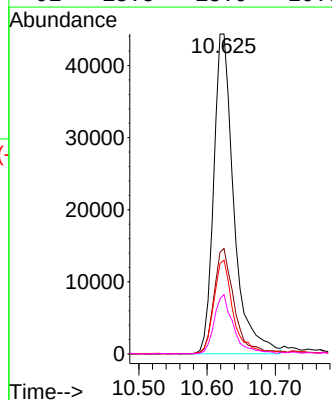
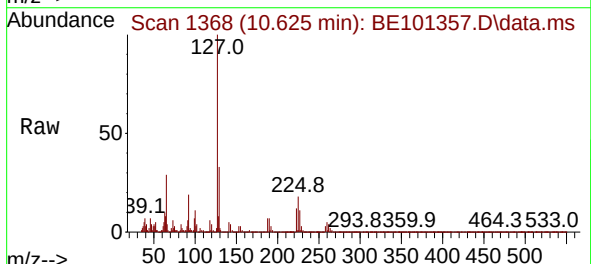
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

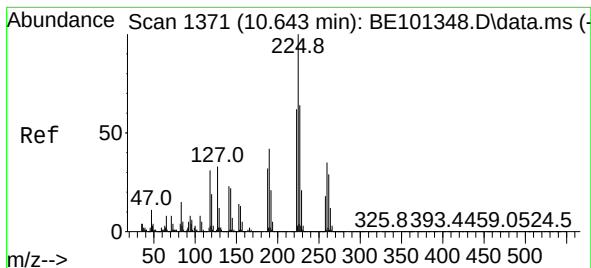
Tgt Ion:122 Resp: 13497
Ion Ratio Lower Upper
122 100
105 123.5 96.7 136.7
77 95.6 64.8 104.8



#33
4-Chloroaniline
Concen: 5.054 ng
RT: 10.625 min Scan# 1368
Delta R.T. 0.005 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:127 Resp: 91481
Ion Ratio Lower Upper
127 100
129 32.9 25.8 38.8
65 29.3 22.5 33.7
92 18.5 13.9 20.9





#34

Hexachlorobutadiene

Concen: 5.075 ng

RT: 10.642 min Scan# 1371

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

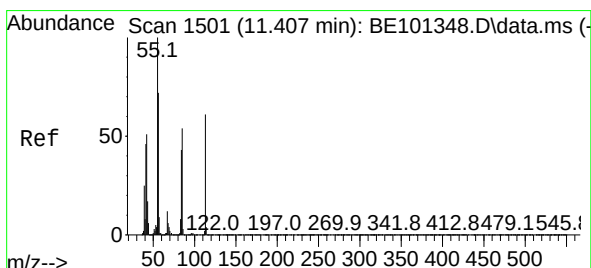
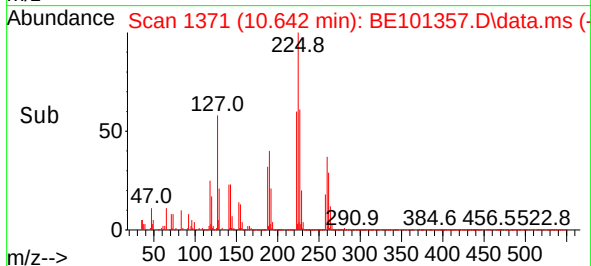
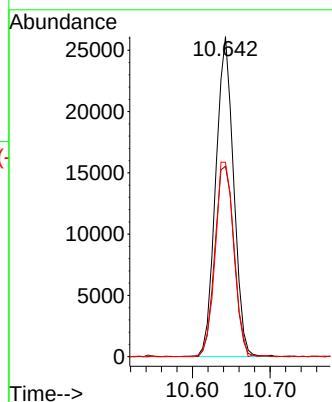
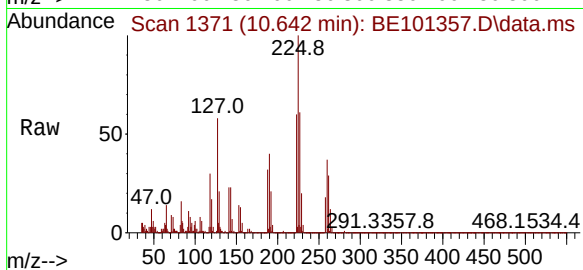
Tgt Ion:225 Resp: 41744

Ion Ratio Lower Upper

225 100

223 59.5 49.8 74.8

227 60.7 51.3 76.9



#35

Caprolactam

Concen: 4.117 ng

RT: 11.406 min Scan# 1501

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

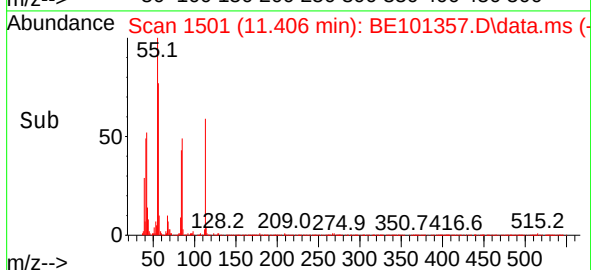
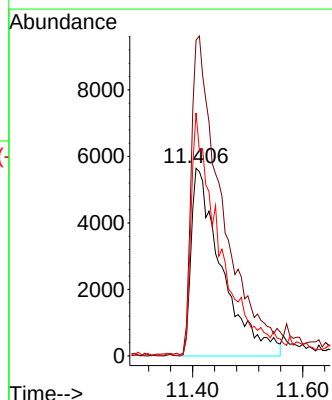
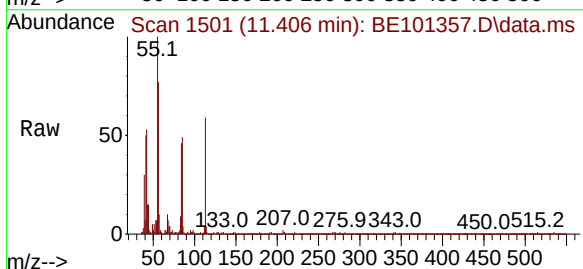
Tgt Ion:113 Resp: 21790

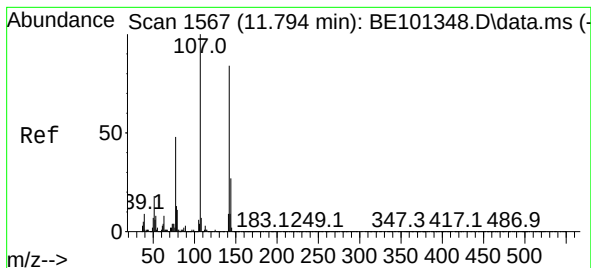
Ion Ratio Lower Upper

113 100

55 168.2 144.8 184.8

56 129.5 99.3 139.3

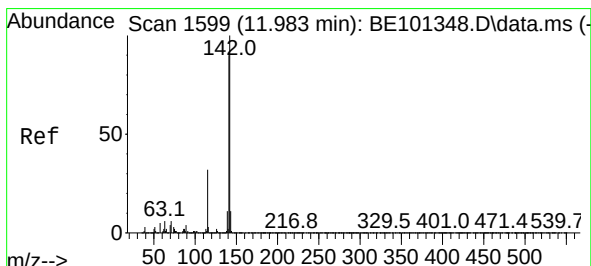
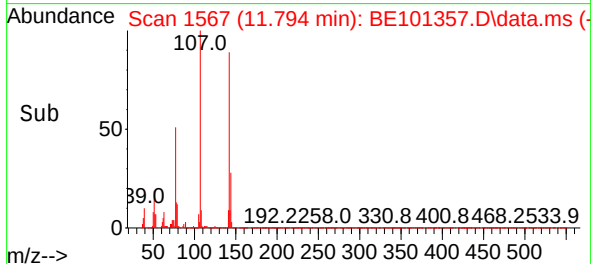
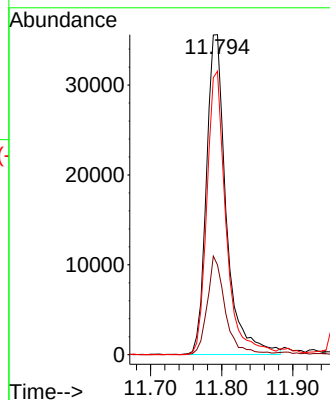
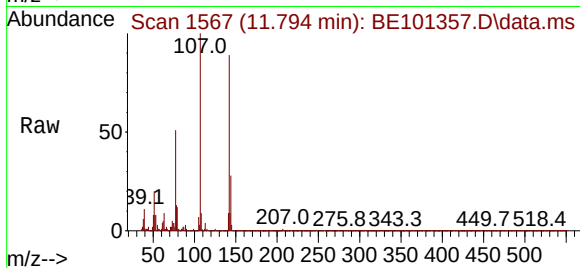




#36
4-Chloro-3-methylphenol
Concen: 4.481 ng
RT: 11.794 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

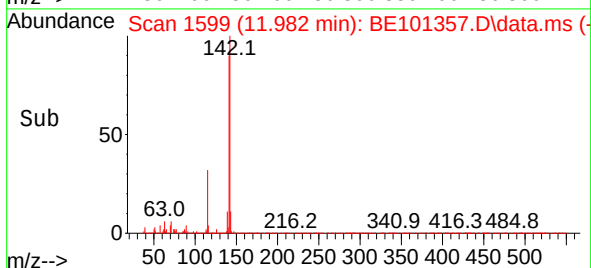
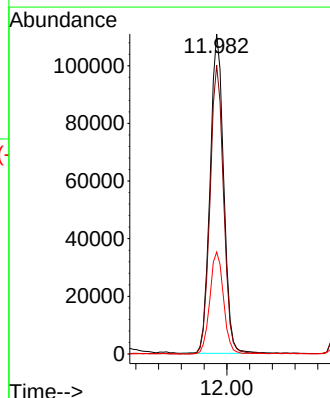
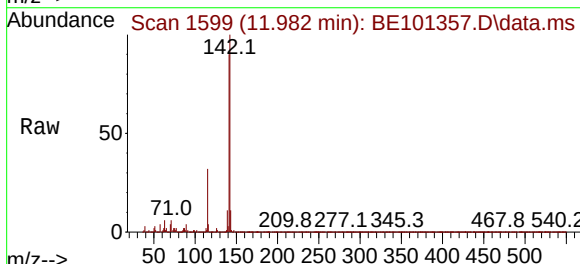
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

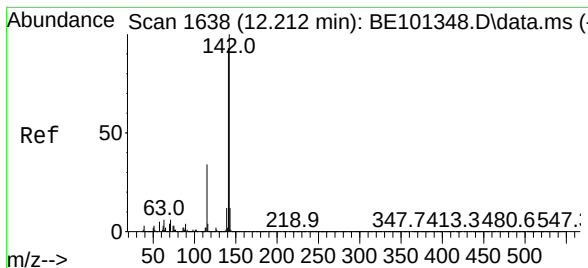
Tgt Ion:107 Resp: 69360
Ion Ratio Lower Upper
107 100
144 28.1 21.9 32.9
142 88.6 67.4 101.2



#37
2-Methylnaphthalene
Concen: 5.286 ng
RT: 11.982 min Scan# 1599
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:142 Resp: 182910
Ion Ratio Lower Upper
142 100
141 90.2 71.8 107.6
115 31.9 25.6 38.4





#38

1-Methylnaphthalene

Concen: 5.081 ng

RT: 12.211 min Scan# 1638

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

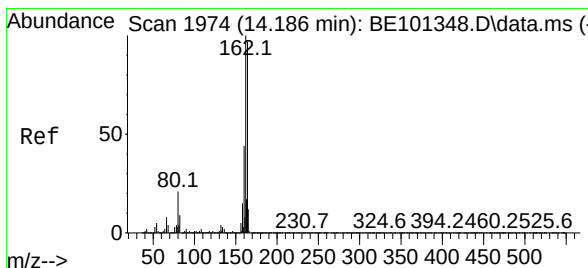
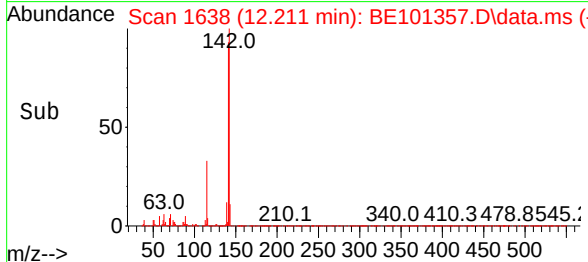
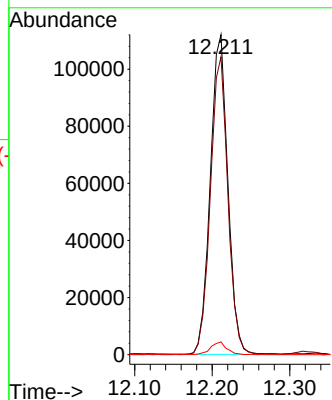
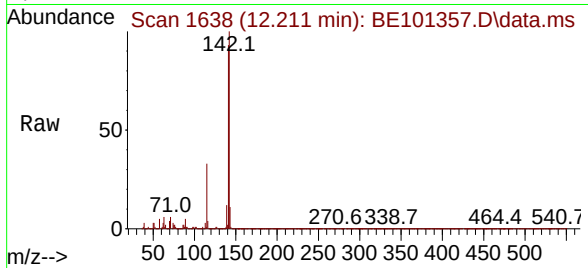
Tgt Ion:142 Resp: 176371

Ion Ratio Lower Upper

142 100

141 93.1 74.3 111.5

116 4.0 2.9 4.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.185 min Scan# 1974

Delta R.T. -0.001 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

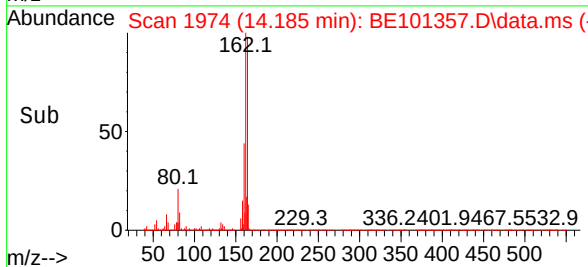
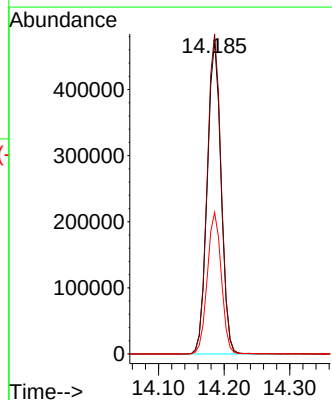
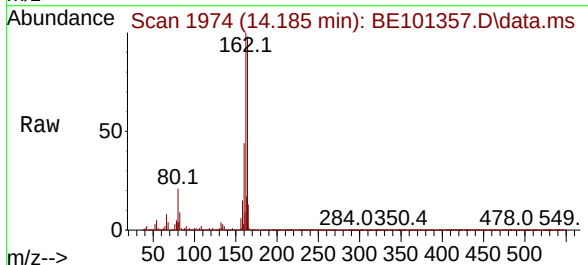
Tgt Ion:164 Resp: 691430

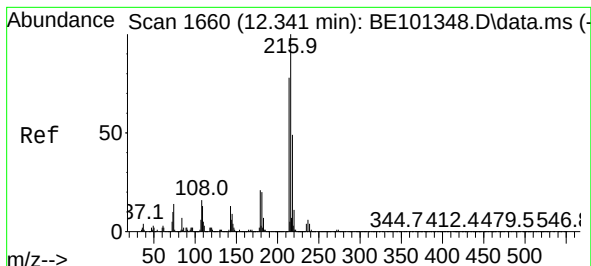
Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

160 45.2 36.1 54.1





#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.451 ng

RT: 12.335 min Scan# 1659

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:216 Resp: 90800

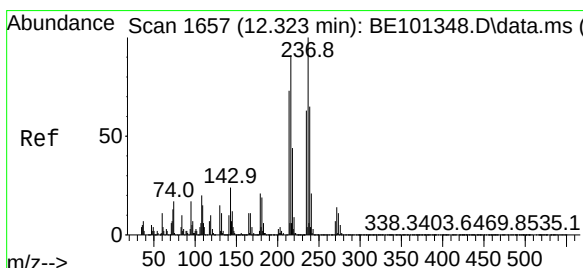
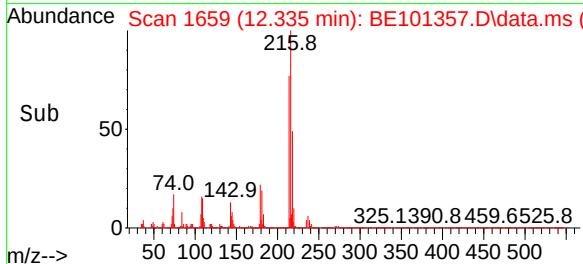
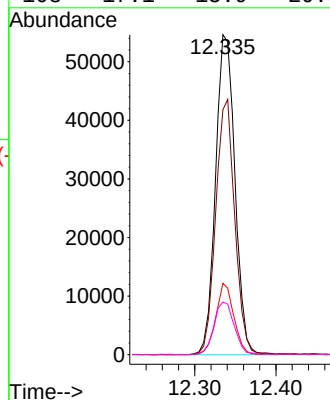
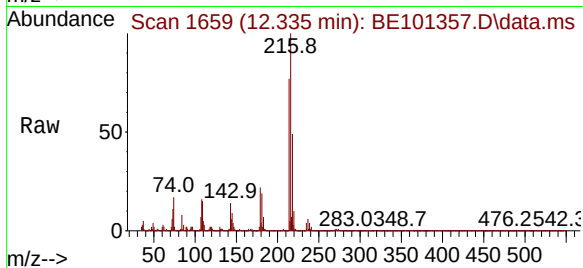
Ion Ratio Lower Upper

216 100

214 78.3 62.6 94.0

179 20.8 16.9 25.3

108 17.1 13.9 20.9



#41

Hexachlorocyclopentadiene

Concen: 2.636 ng

RT: 12.323 min Scan# 1657

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

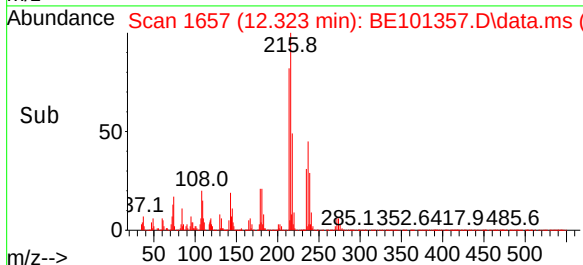
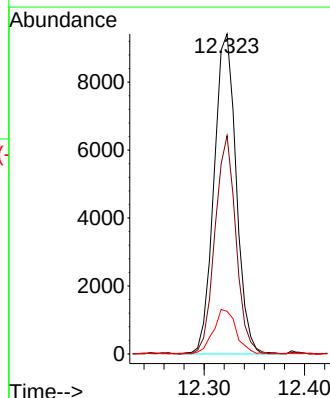
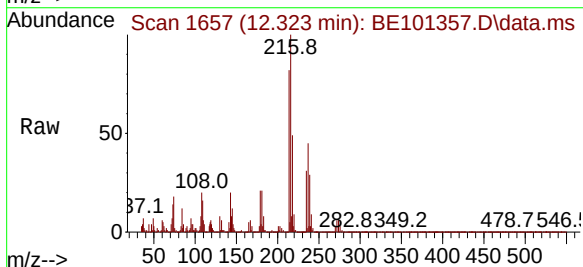
Tgt Ion:237 Resp: 14426

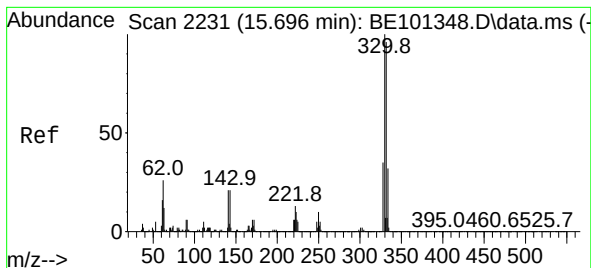
Ion Ratio Lower Upper

237 100

235 68.2 42.9 82.9

272 13.3 0.0 34.0





#42

2,4,6-Tribromophenol

Concen: 105.449 ng

RT: 15.695 min Scan# 2231

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

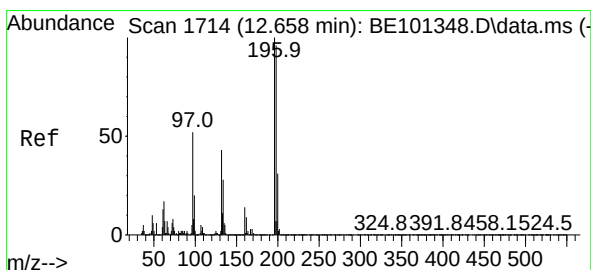
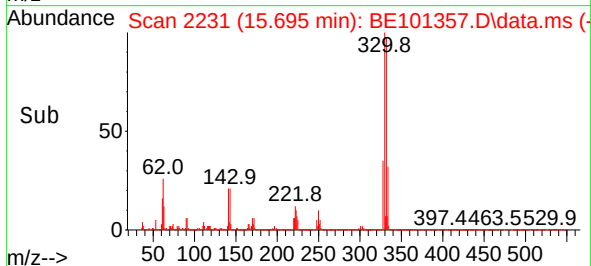
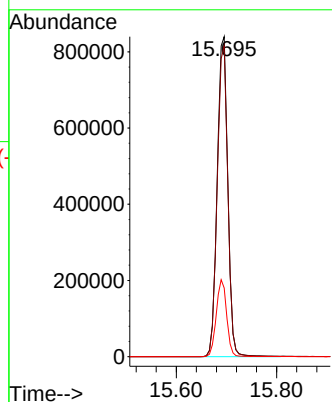
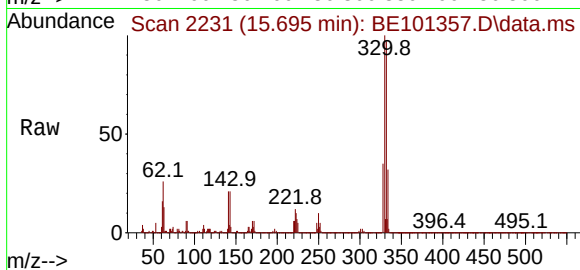
Tgt Ion:330 Resp: 1226324

Ion Ratio Lower Upper

330 100

332 97.2 77.8 116.8

141 23.7 19.1 28.7



#43

2,4,6-Trichlorophenol

Concen: 4.771 ng

RT: 12.658 min Scan# 1714

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

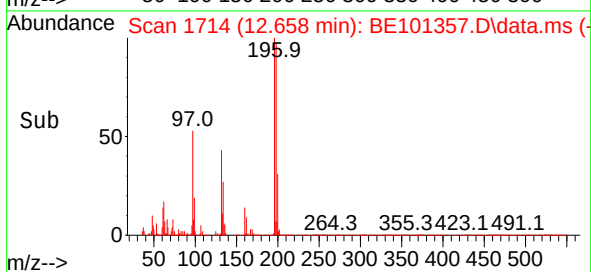
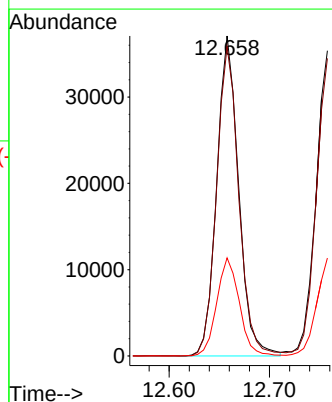
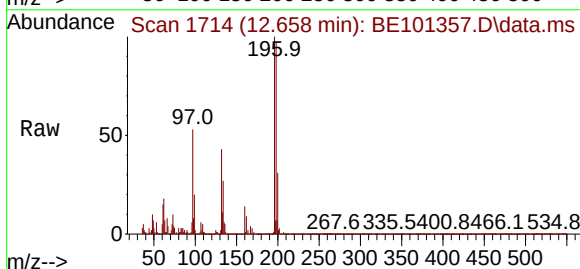
Tgt Ion:196 Resp: 56278

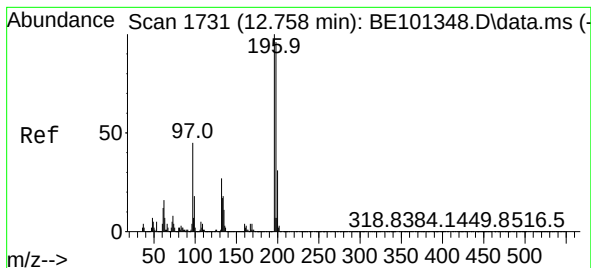
Ion Ratio Lower Upper

196 100

198 96.7 76.8 115.2

200 30.7 25.0 37.4





#44

2,4,5-Trichlorophenol

Concen: 4.746 ng

RT: 12.758 min Scan# 1

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:196 Resp: 63162

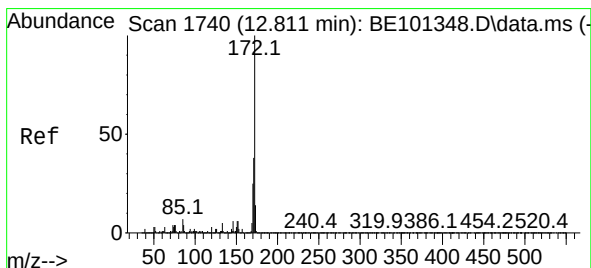
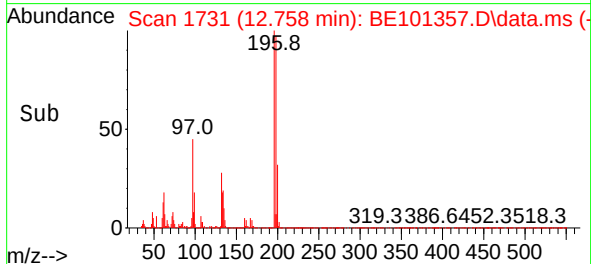
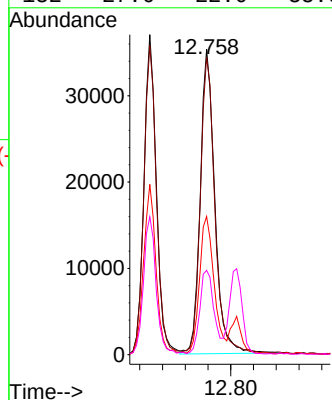
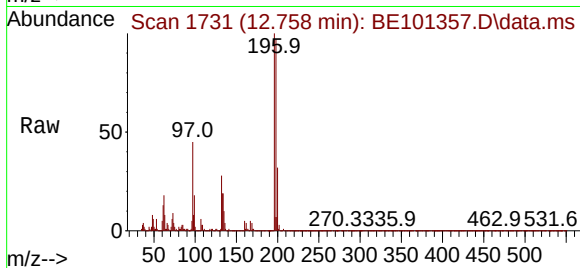
Ion Ratio Lower Upper

196 100

198 97.4 76.9 115.3

97 45.3 36.2 54.2

132 27.6 22.0 33.0



#45

2-Fluorobiphenyl

Concen: 77.581 ng

RT: 12.810 min Scan# 1740

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

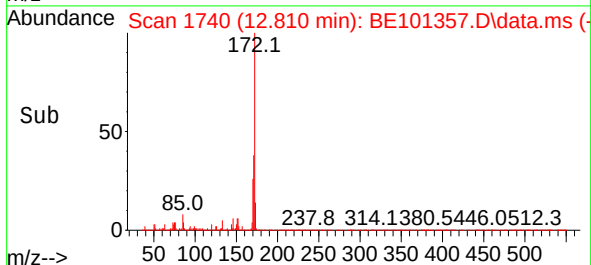
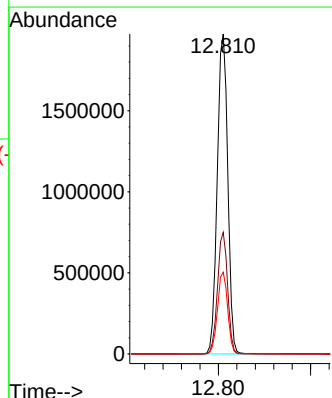
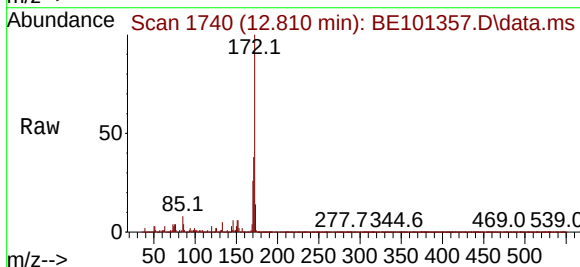
Tgt Ion:172 Resp: 3104161

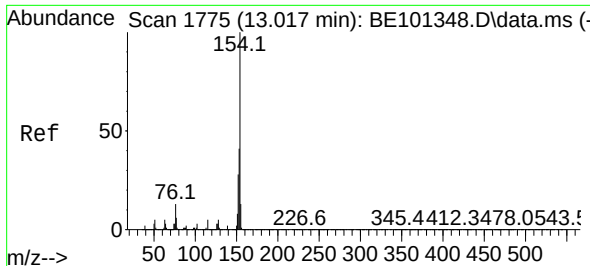
Ion Ratio Lower Upper

172 100

171 38.0 30.2 45.2

170 25.6 20.2 30.4

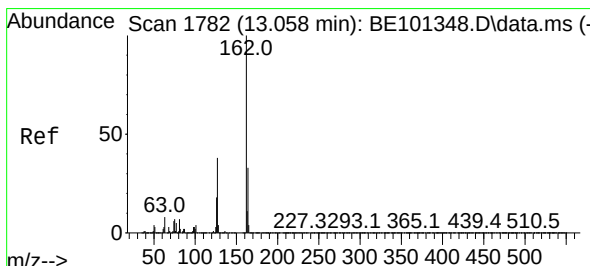
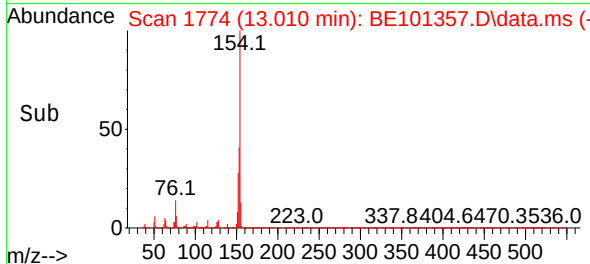
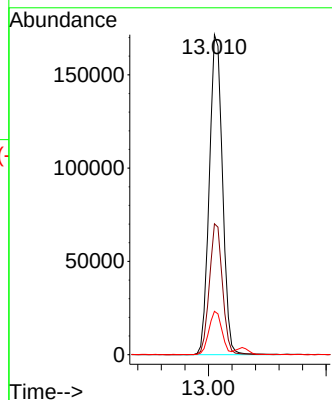
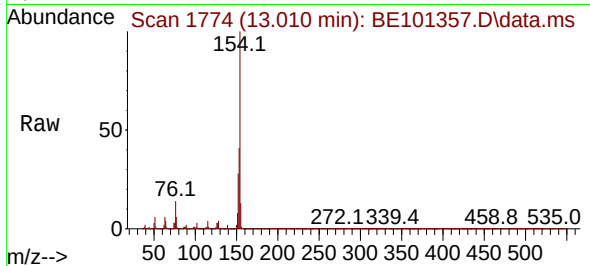




#46
1,1'-Biphenyl
Concen: 5.678 ng
RT: 13.010 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

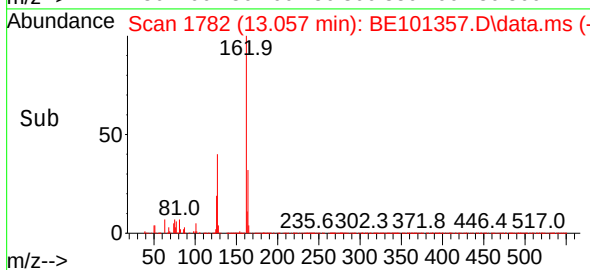
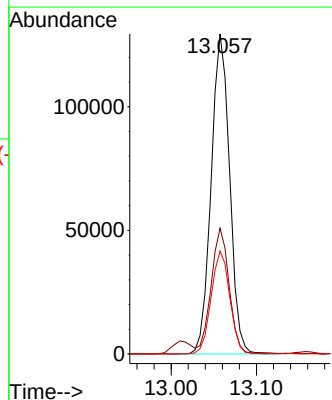
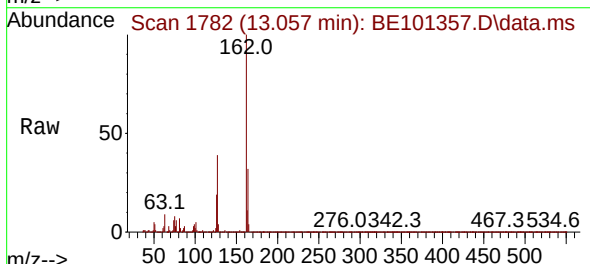
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

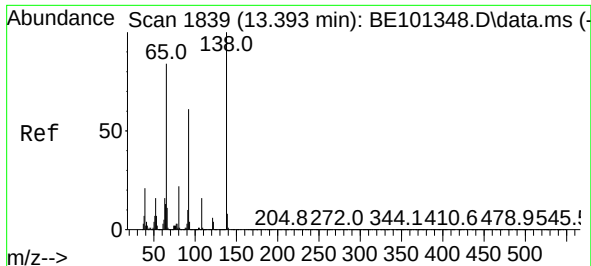
Tgt Ion:154 Resp: 266063
Ion Ratio Lower Upper
154 100
153 40.9 21.2 61.2
76 13.5 0.0 33.4



#47
2-Chloronaphthalene
Concen: 5.288 ng
RT: 13.057 min Scan# 1782
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:162 Resp: 194903
Ion Ratio Lower Upper
162 100
127 39.3 31.2 46.8
164 32.2 26.2 39.2





#48

2-Nitroaniline

Concen: 4.047 ng

RT: 13.392 min Scan# 1839

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

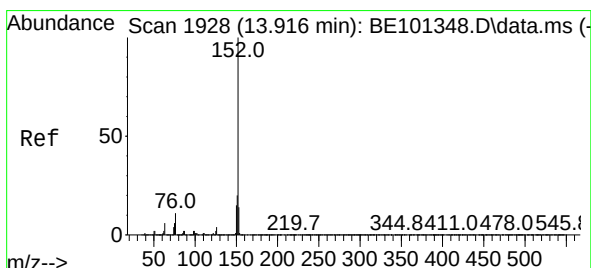
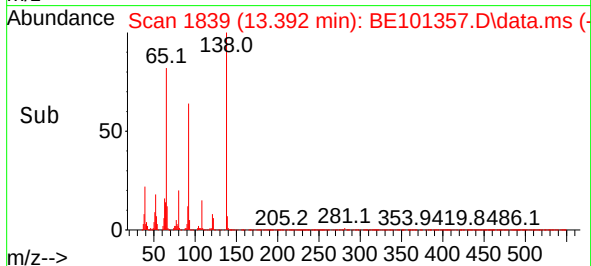
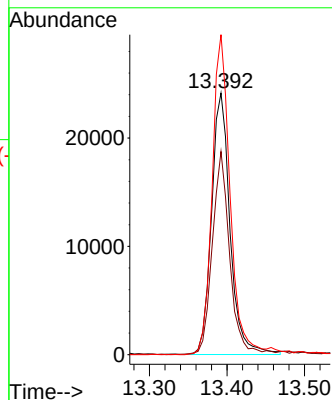
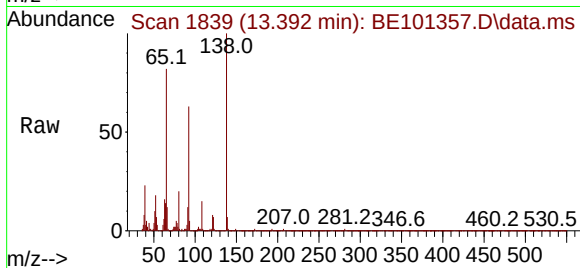
Tgt Ion: 65 Resp: 40128

Ion Ratio Lower Upper

65 100

92 77.7 58.3 87.5

138 122.3 95.0 142.4



#49

Acenaphthylene

Concen: 5.746 ng

RT: 13.915 min Scan# 1928

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

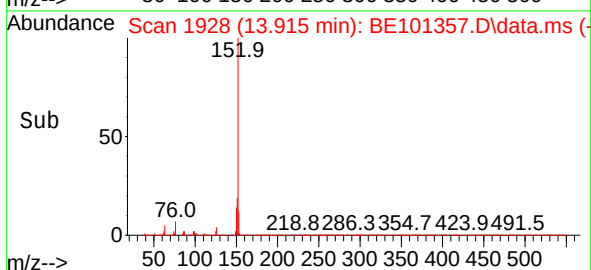
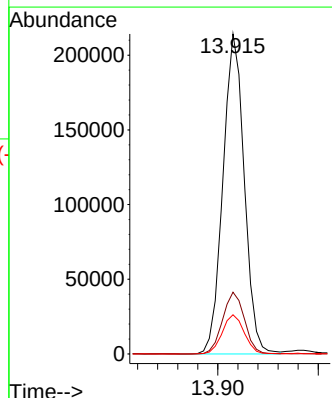
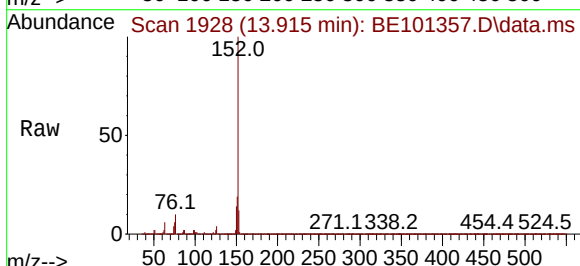
Tgt Ion: 152 Resp: 316027

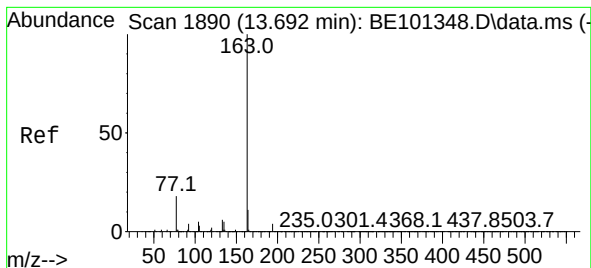
Ion Ratio Lower Upper

152 100

151 19.3 16.4 24.6

153 12.2 11.1 16.7





#50

Dimethylphthalate

Concen: 5.547 ng

RT: 13.686 min Scan# 1889

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

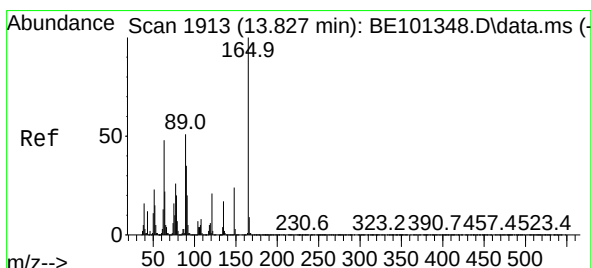
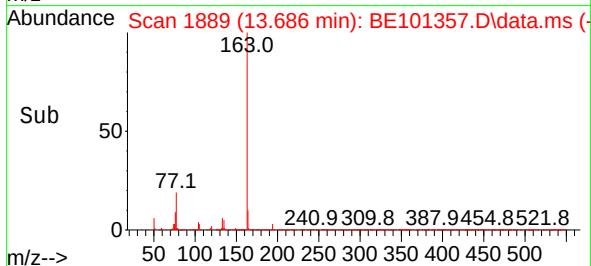
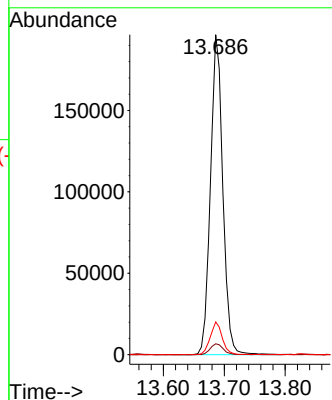
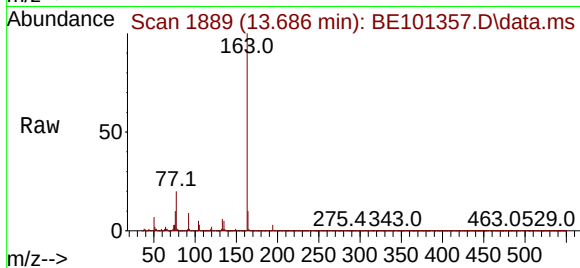
Tgt Ion:163 Resp: 276771

Ion Ratio Lower Upper

163 100

194 3.4 3.0 4.4

164 10.3 8.5 12.7



#51

2,6-Dinitrotoluene

Concen: 4.657 ng

RT: 13.821 min Scan# 1912

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

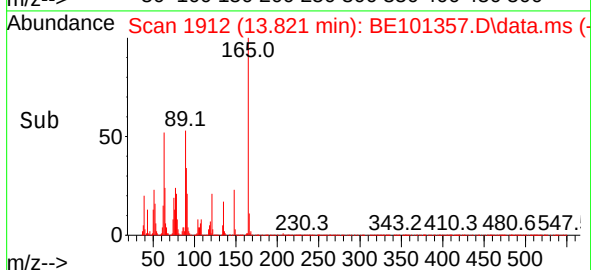
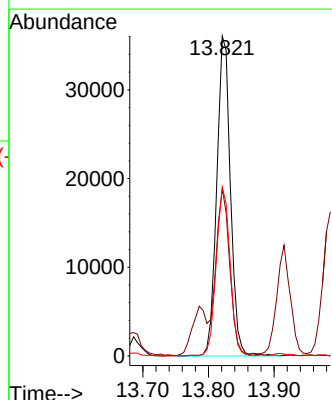
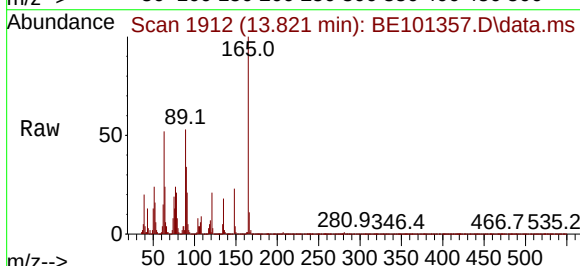
Tgt Ion:165 Resp: 52000

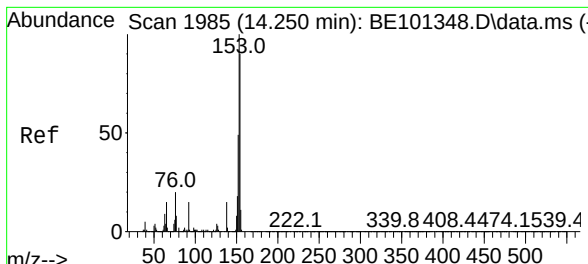
Ion Ratio Lower Upper

165 100

63 52.3 38.5 57.7

89 52.8 40.5 60.7



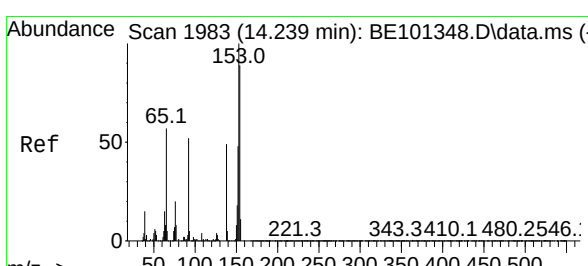
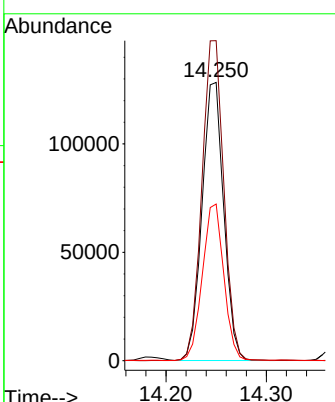
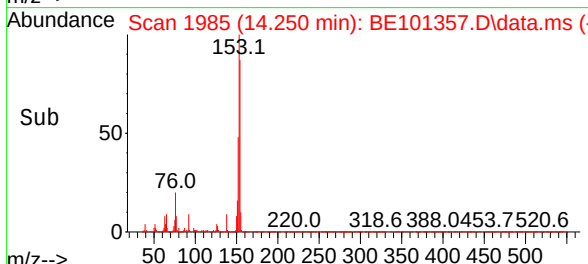
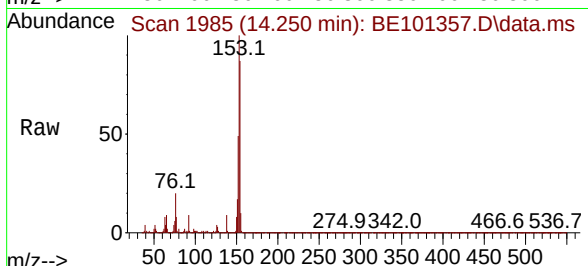


#52
 Acenaphthene
 Concen: 5.321 ng
 RT: 14.250 min Scan# 1985
 Delta R.T. -0.000 min
 Lab File: BE101357.D
 Acq: 18 Sep 2024 11:09

Instrument : BNA_E
 ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion:154 Resp: 192911

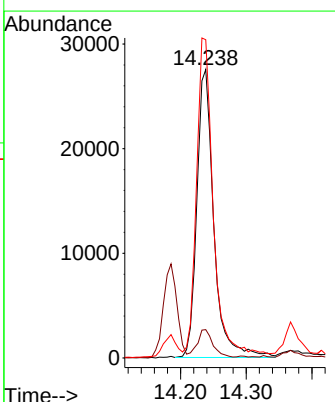
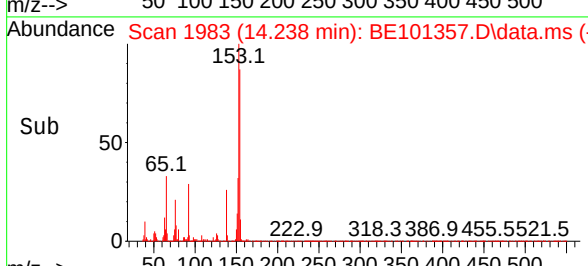
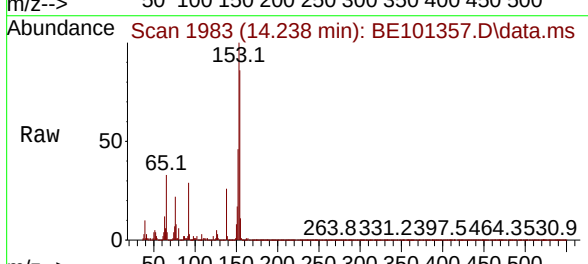
Ion	Ratio	Lower	Upper
154	100		
153	115.0	88.8	133.2
152	56.3	43.2	64.8

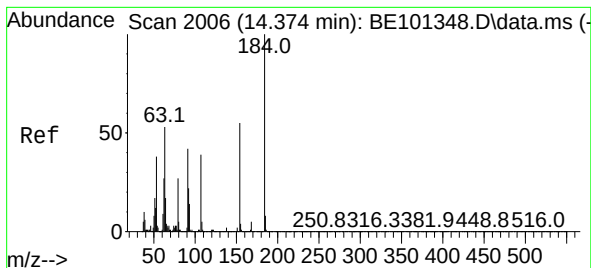


#53
 3-Nitroaniline
 Concen: 4.319 ng
 RT: 14.238 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: BE101357.D
 Acq: 18 Sep 2024 11:09

Tgt Ion:138 Resp: 49604

Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.2	10.8
92	110.3	85.7	128.5





#54

2,4-Dinitrophenol

Concen: 2.970 ng

RT: 14.373 min Scan# 2006

Delta R.T. -0.001 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

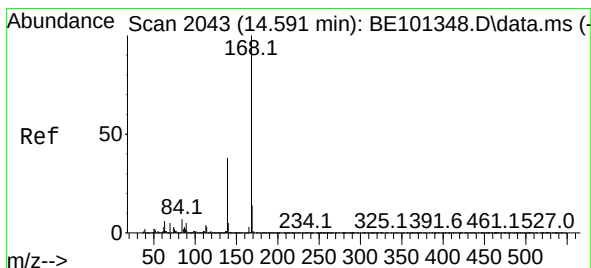
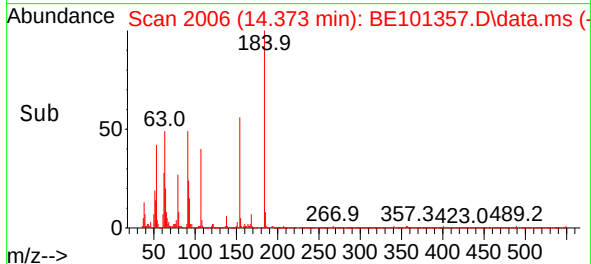
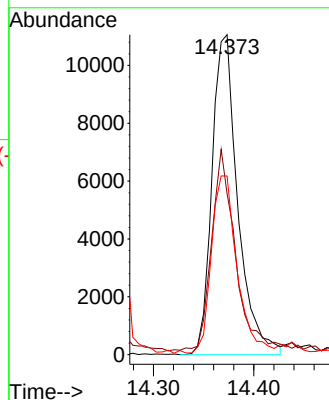
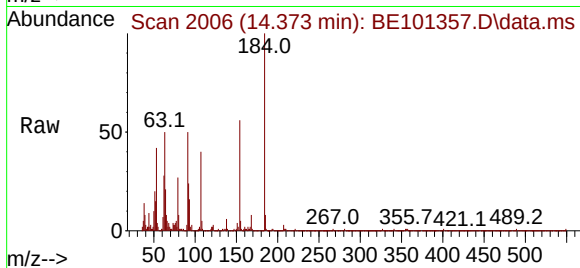
Tgt Ion:184 Resp: 19739

Ion Ratio Lower Upper

184 100

63 50.3 42.5 63.7

154 55.8 44.2 66.2



#55

Dibenzofuran

Concen: 5.695 ng

RT: 14.591 min Scan# 2043

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

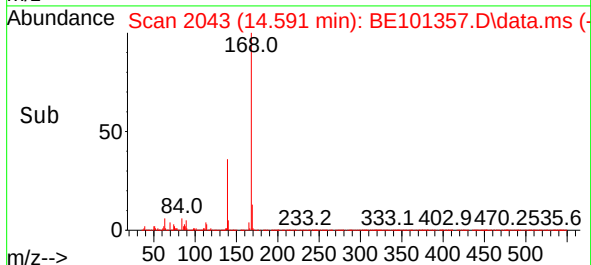
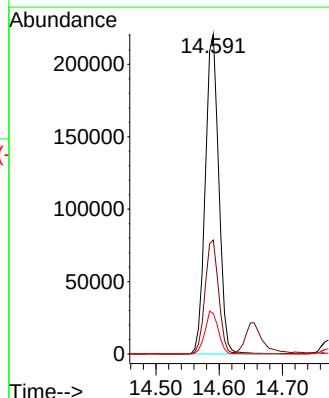
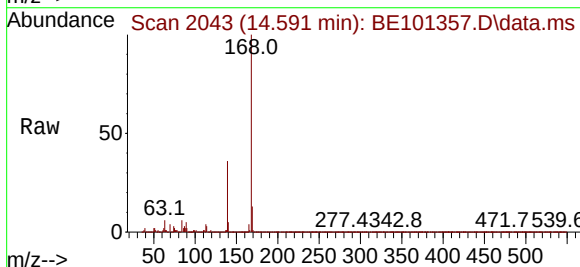
Tgt Ion:168 Resp: 326134

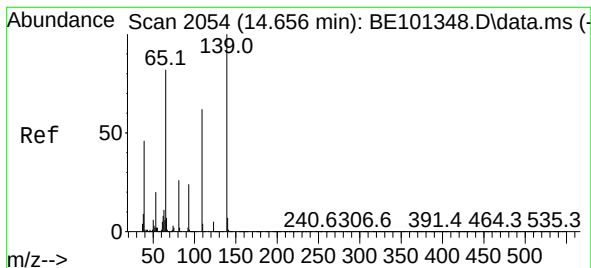
Ion Ratio Lower Upper

168 100

139 35.6 30.5 45.7

169 12.6 11.4 17.2

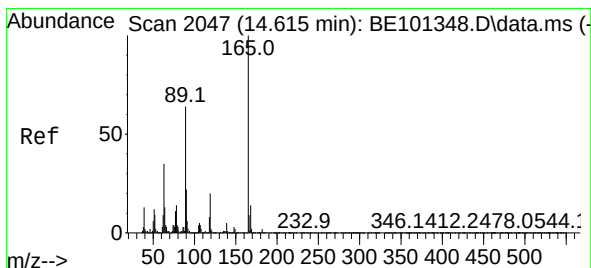
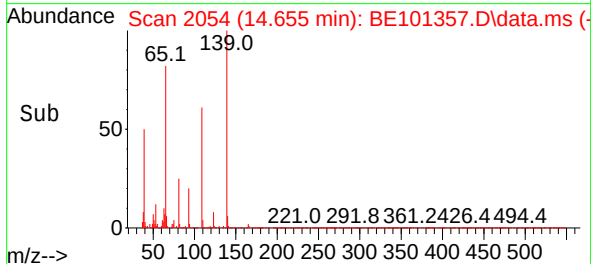
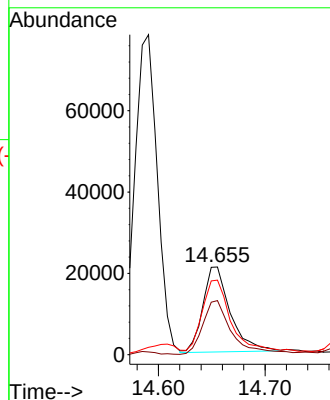
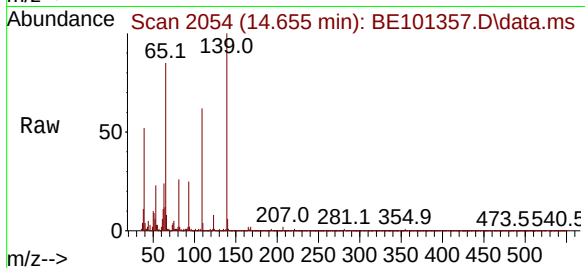




#56
4-Nitrophenol
Concen: 3.919 ng
RT: 14.655 min Scan# 2054
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

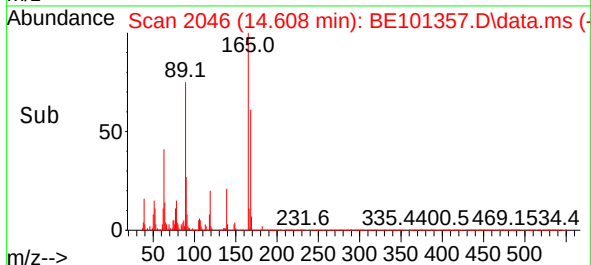
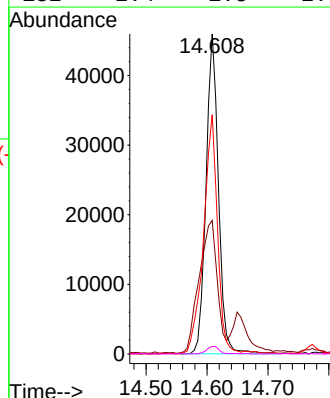
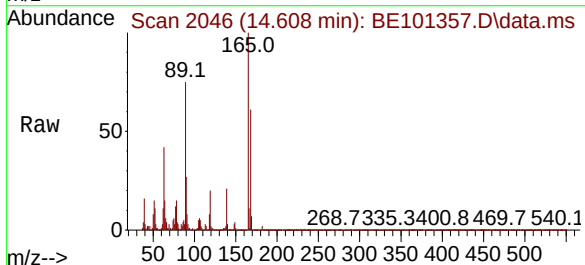
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

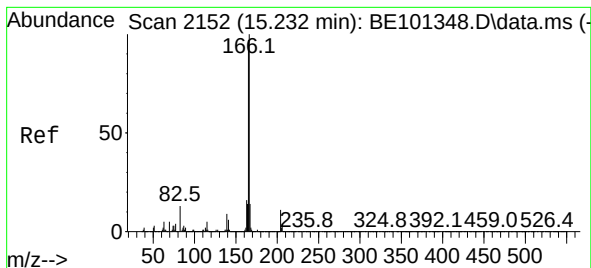
Tgt Ion:139 Resp: 37421
Ion Ratio Lower Upper
139 100
109 61.7 41.9 81.9
65 85.1 63.0 103.0



#57
2,4-Dinitrotoluene
Concen: 4.282 ng
RT: 14.608 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:165 Resp: 65088
Ion Ratio Lower Upper
165 100
63 41.7 28.4 42.6
89 74.7 51.0 76.4
182 2.4 1.8 2.8





#58

Fluorene

Concen: 5.523 ng

RT: 15.225 min Scan# 2152

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

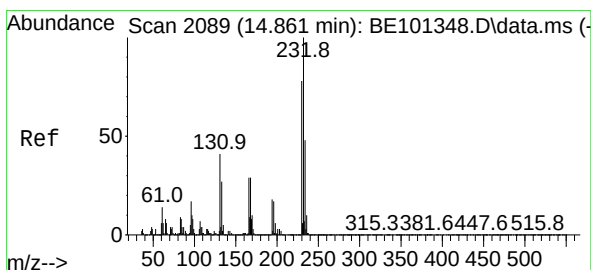
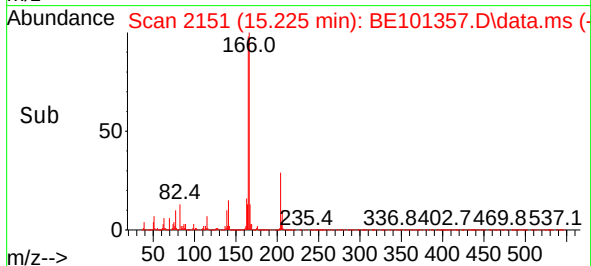
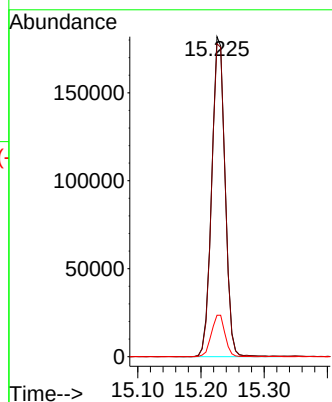
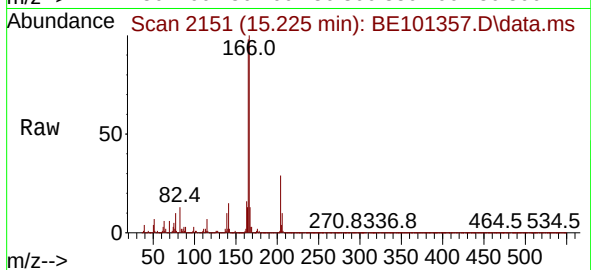
Tgt Ion:166 Resp: 266491

Ion Ratio Lower Upper

166 100

165 97.8 77.8 116.8

167 13.0 11.0 16.6



#59

2,3,4,6-Tetrachlorophenol

Concen: 5.198 ng

RT: 14.855 min Scan# 2088

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion:232 Resp: 65423

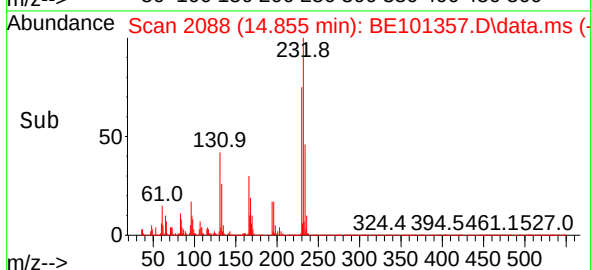
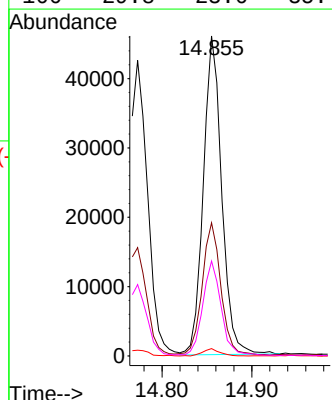
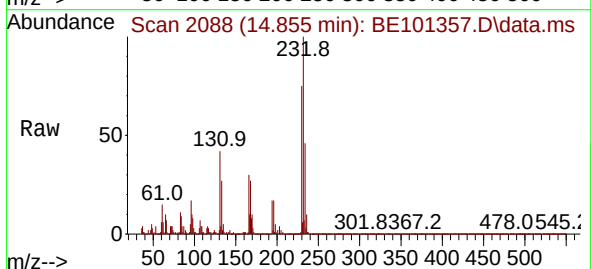
Ion Ratio Lower Upper

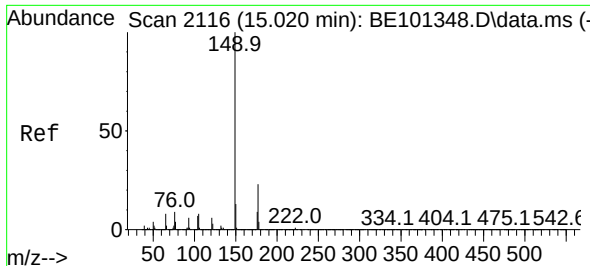
232 100

131 42.6 34.2 51.4

130 2.1 1.8 2.6

166 29.8 23.6 35.4

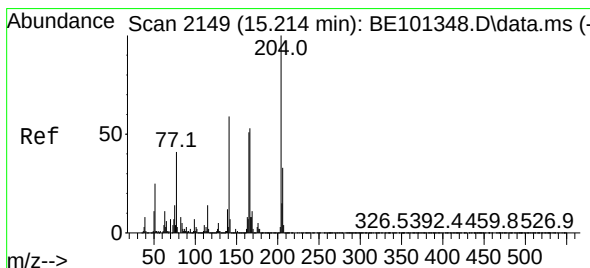
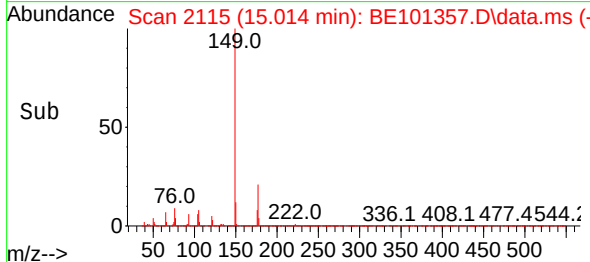
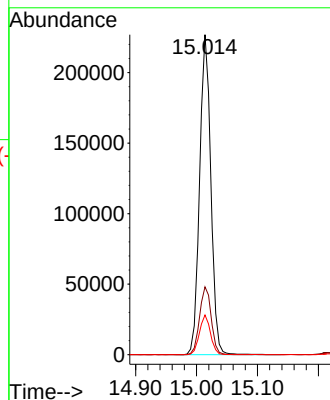
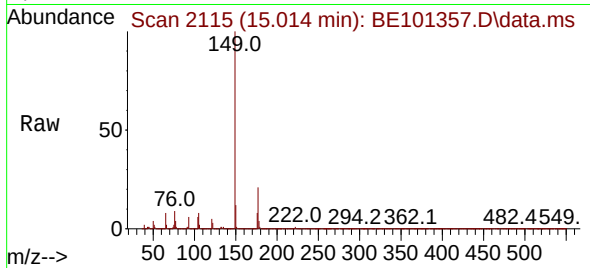




#60
Diethylphthalate
Concen: 5.600 ng
RT: 15.014 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

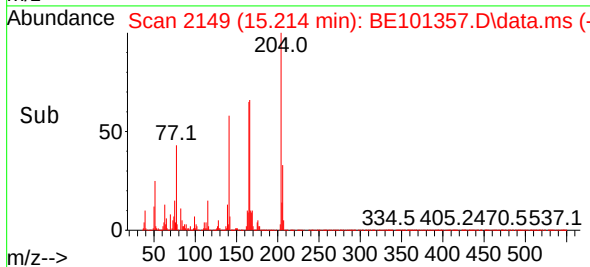
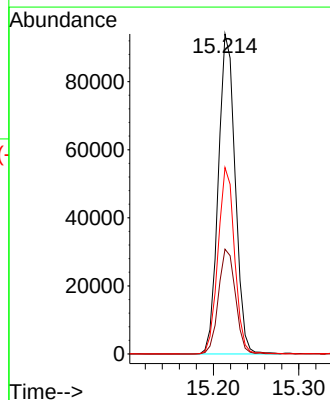
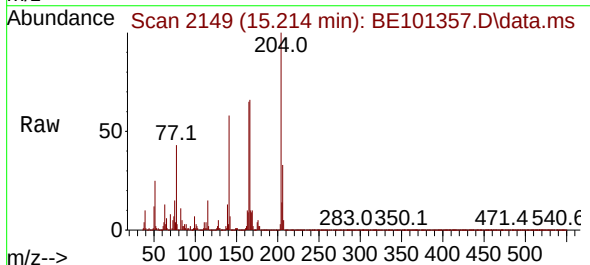
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

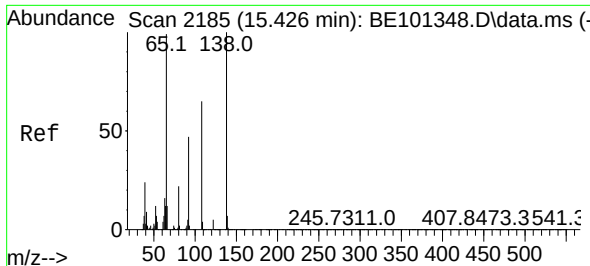
Tgt Ion:149 Resp: 289879
Ion Ratio Lower Upper
149 100
177 21.2 18.4 27.6
150 12.4 10.0 15.0



#61
4-Chlorophenyl-phenylether
Concen: 5.441 ng
RT: 15.214 min Scan# 2149
Delta R.T. -0.000 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:204 Resp: 128784
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.2
141 58.2 47.2 70.8





#62

4-Nitroaniline

Concen: 4.145 ng

RT: 15.419 min Scan# 2185

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

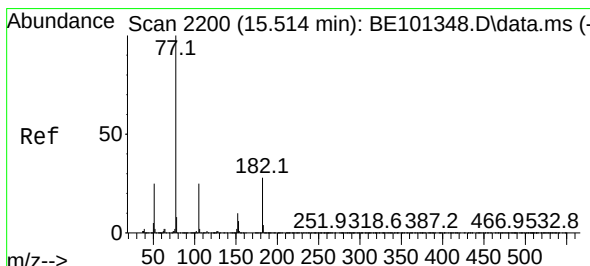
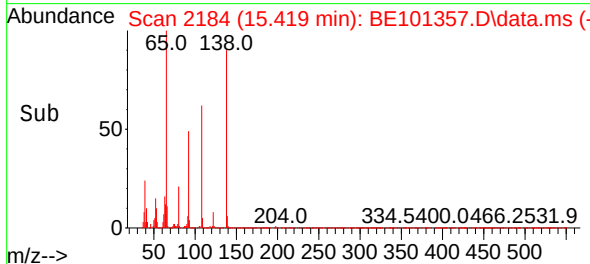
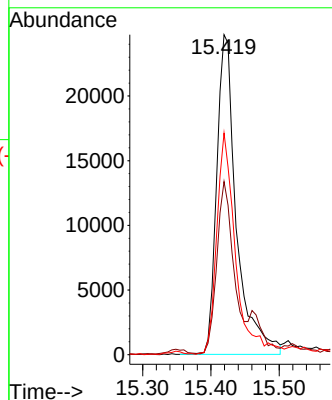
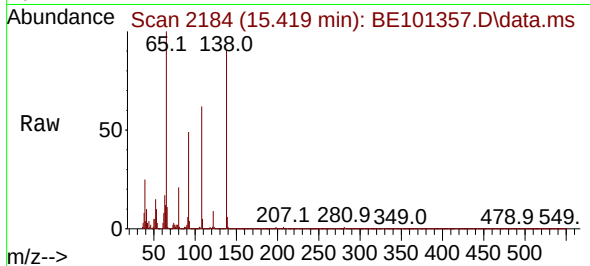
Tgt Ion:138 Resp: 49618

Ion Ratio Lower Upper

138 100

92 54.1 26.8 66.8

108 69.3 44.7 84.7



#63

Azobenzene

Concen: 5.604 ng

RT: 15.513 min Scan# 2200

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Tgt Ion: 77 Resp: 247893

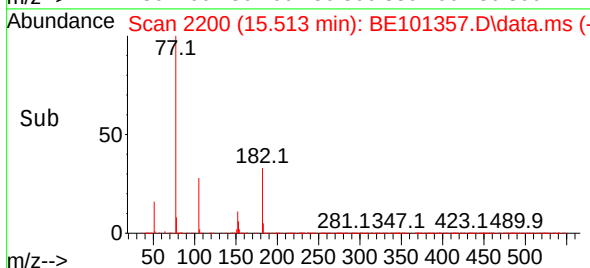
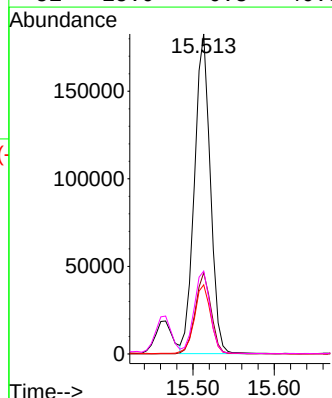
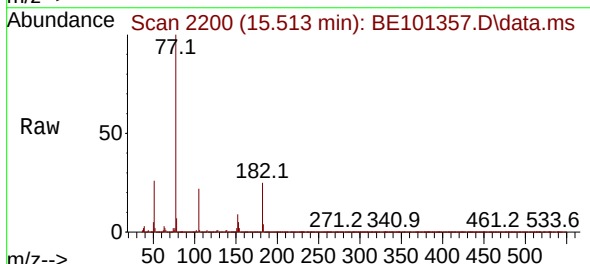
Ion Ratio Lower Upper

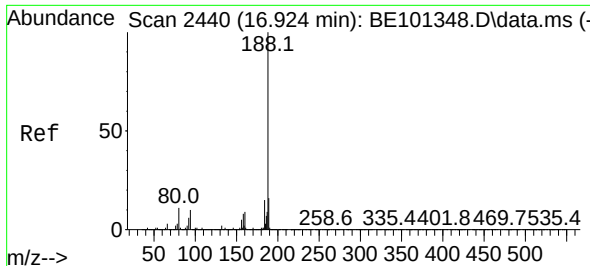
77 100

182 25.4 7.8 47.8

105 21.6 4.3 44.3

51 25.9 6.3 46.3

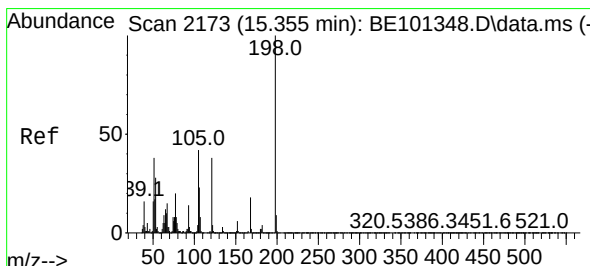
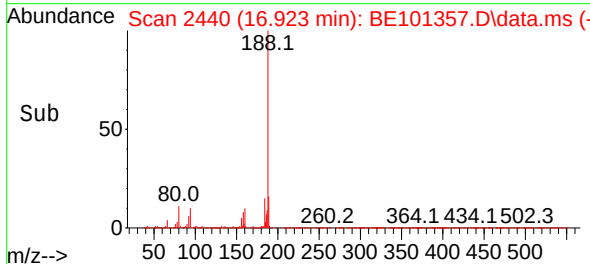
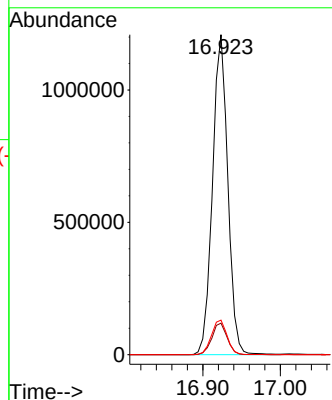
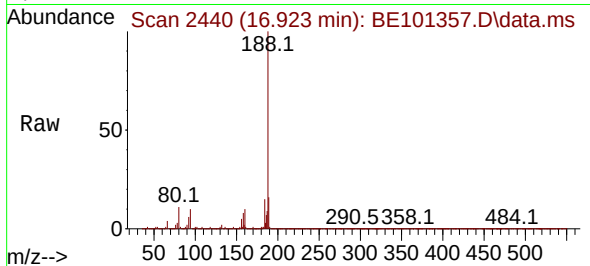




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.923 min Scan# 2440
Delta R.T. -0.001 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

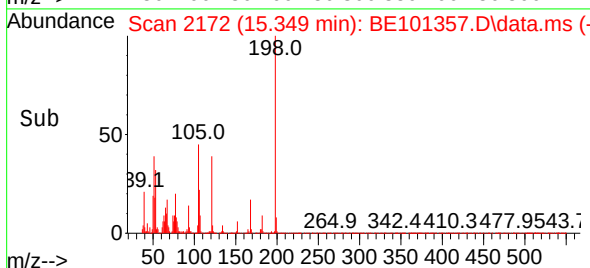
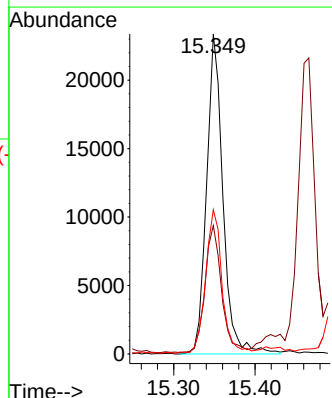
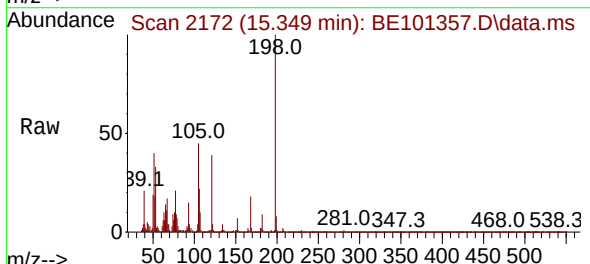
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

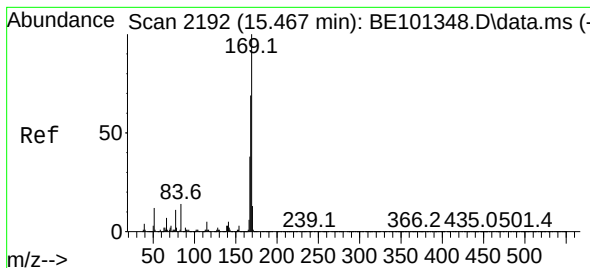
Tgt Ion:188 Resp: 1655965
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.2
80 10.8 8.6 13.0



#65
4,6-Dinitro-2-methylphenol
Concen: 3.470 ng
RT: 15.349 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BE101357.D
Acq: 18 Sep 2024 11:09

Tgt Ion:198 Resp: 32627
Ion Ratio Lower Upper
198 100
51 40.1 18.1 58.1
105 45.0 22.0 62.0





#66

n-Nitrosodiphenylamine

Concen: 5.310 ng

RT: 15.466 min Scan# 2192

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

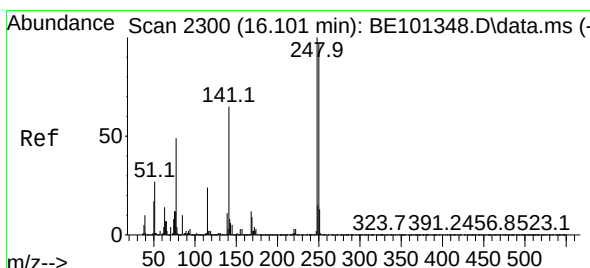
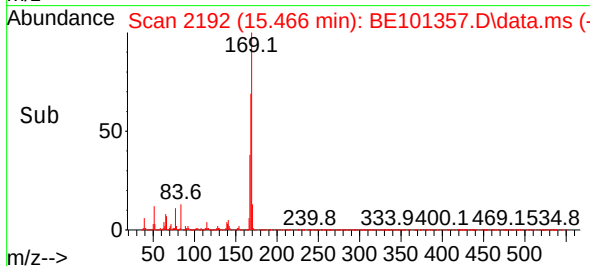
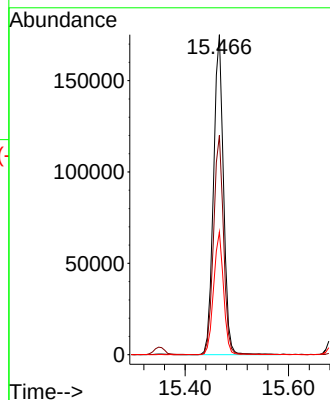
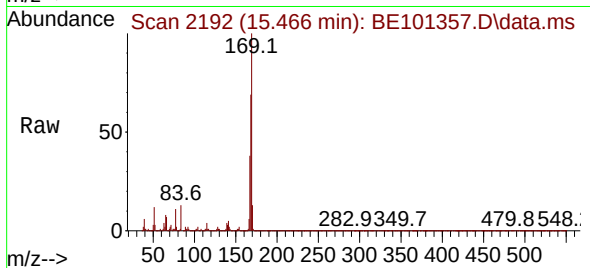
Tgt Ion:169 Resp: 234363

Ion Ratio Lower Upper

169 100

168 68.5 55.1 82.7

167 38.3 30.5 45.7



#67

4-Bromophenyl-phenylether

Concen: 5.114 ng

RT: 16.107 min Scan# 2301

Delta R.T. 0.005 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

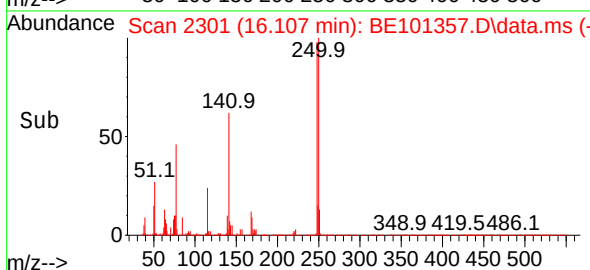
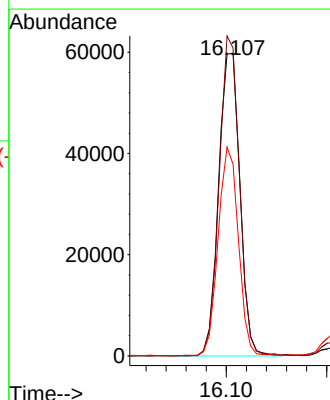
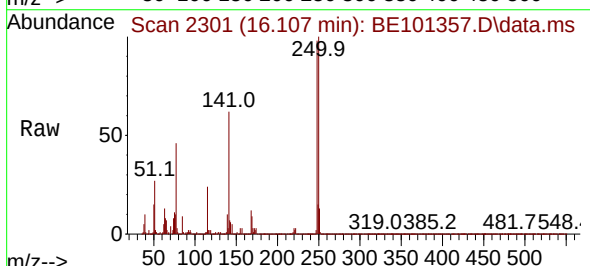
Tgt Ion:248 Resp: 87973

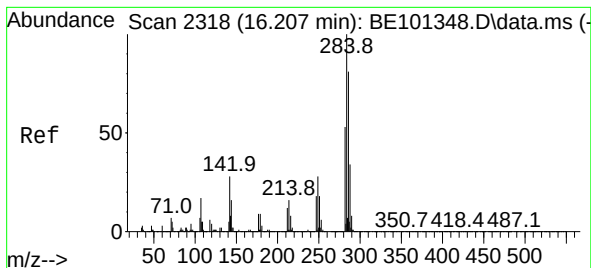
Ion Ratio Lower Upper

248 100

250 101.8 77.7 116.5

141 63.3 51.8 77.8





#68

Hexachlorobenzene

Concen: 5.146 ng

RT: 16.206 min Scan# 2318

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

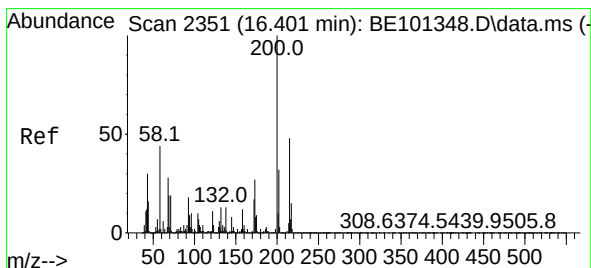
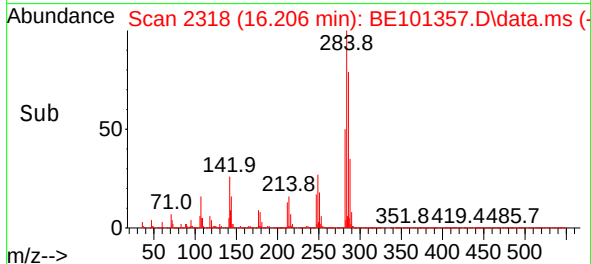
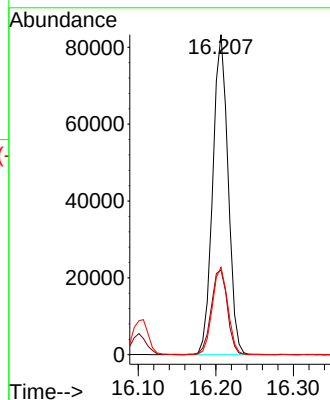
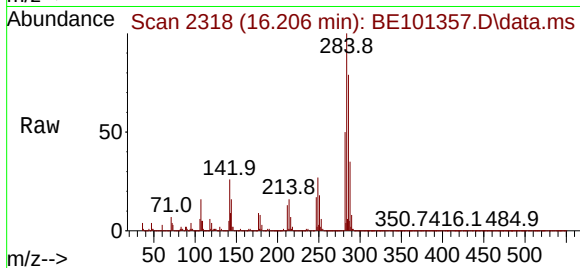
Tgt Ion:284 Resp: 114407

Ion Ratio Lower Upper

284 100

142 26.5 22.1 33.1

249 30.4 22.7 34.1



#69

Atrazine

Concen: 6.073 ng

RT: 16.400 min Scan# 2351

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

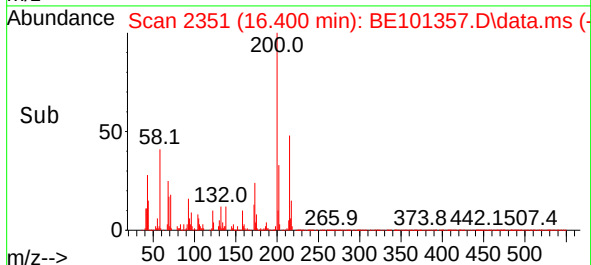
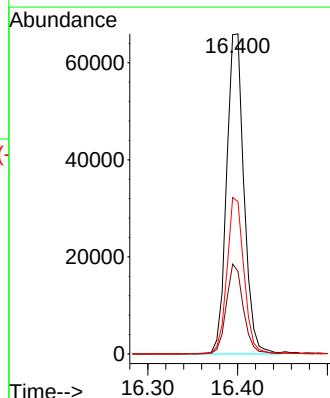
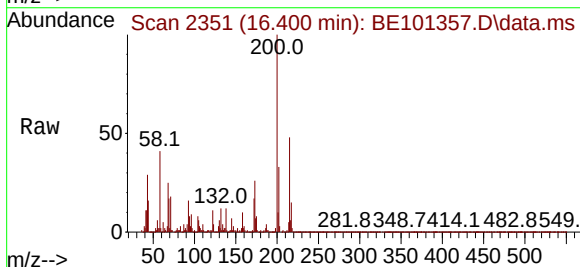
Tgt Ion:200 Resp: 88523

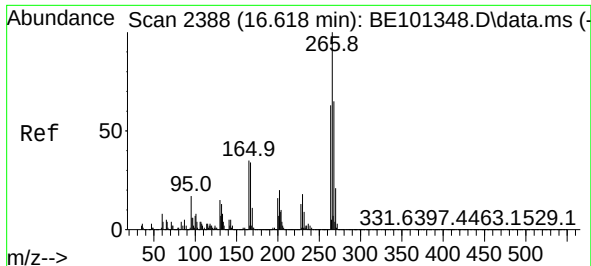
Ion Ratio Lower Upper

200 100

173 25.8 6.9 46.9

215 47.6 27.8 67.8





#70

Pentachlorophenol

Concen: 3.880 ng

RT: 16.612 min Scan# 2412

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

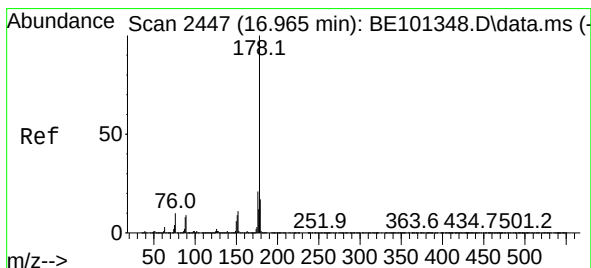
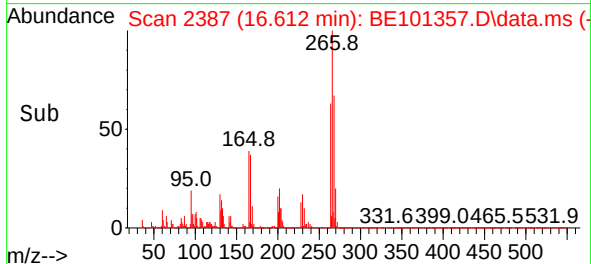
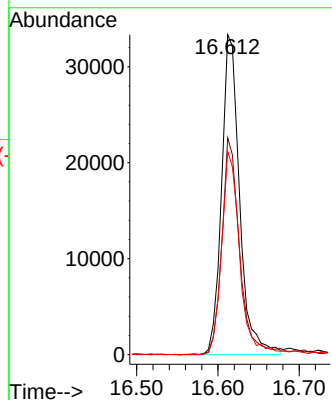
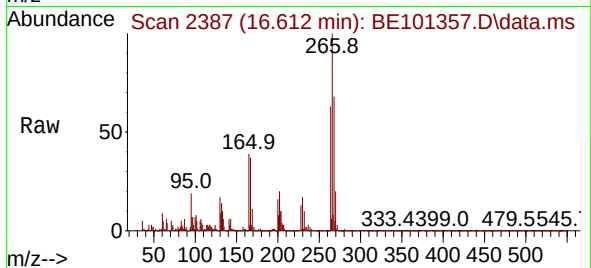
Tgt Ion:266 Resp: 51536

Ion Ratio Lower Upper

266 100

268 67.7 52.2 78.4

264 63.5 50.5 75.7



#71

Phenanthrene

Concen: 5.824 ng

RT: 16.964 min Scan# 2447

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

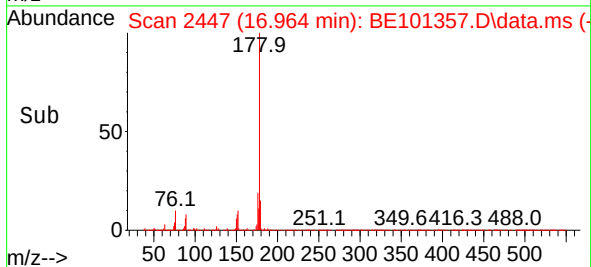
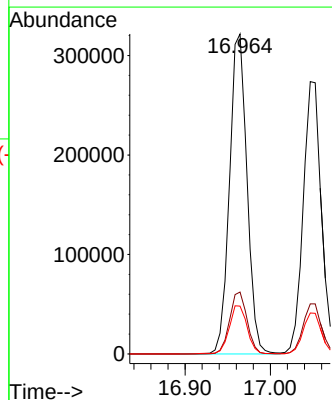
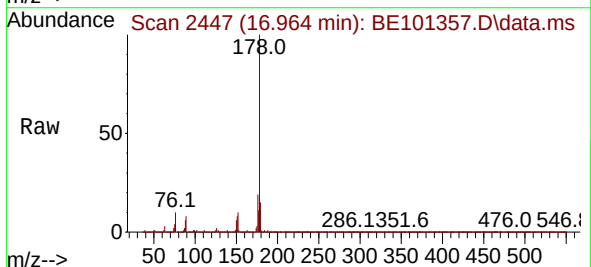
Tgt Ion:178 Resp: 458019

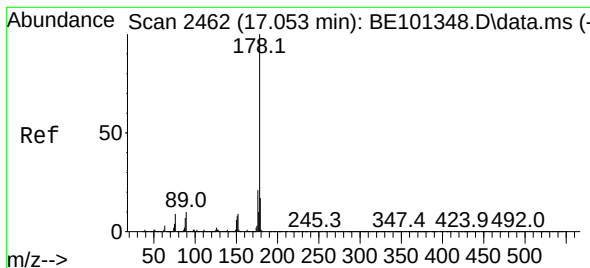
Ion Ratio Lower Upper

178 100

176 19.4 16.8 25.2

179 15.0 13.3 19.9





#72

Anthracene

Concen: 5.356 ng

RT: 17.047 min Scan# 2461

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

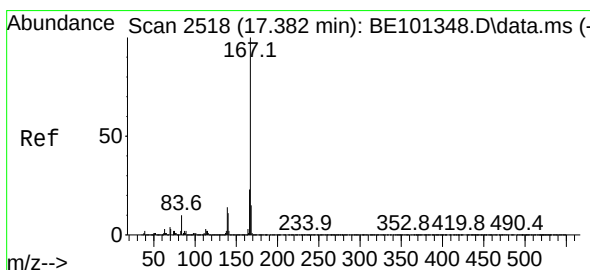
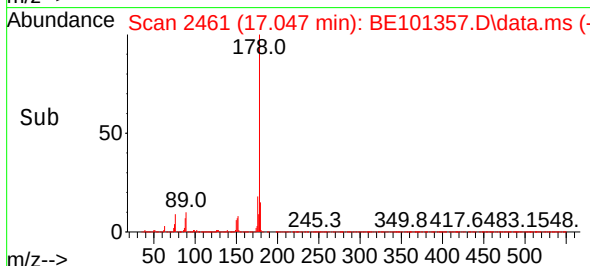
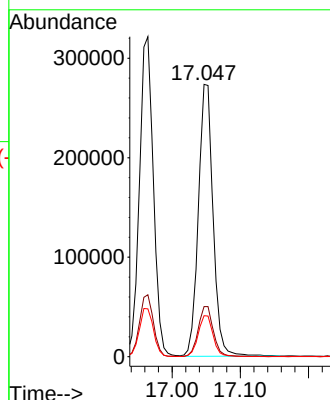
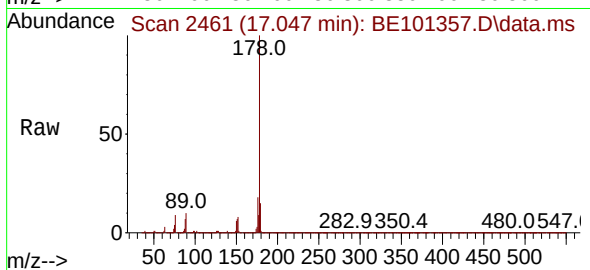
Tgt Ion:178 Resp: 409929

Ion Ratio Lower Upper

178 100

176 18.4 16.4 24.6

179 15.0 13.4 20.0



#73

Carbazole

Concen: 5.493 ng

RT: 17.382 min Scan# 2518

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

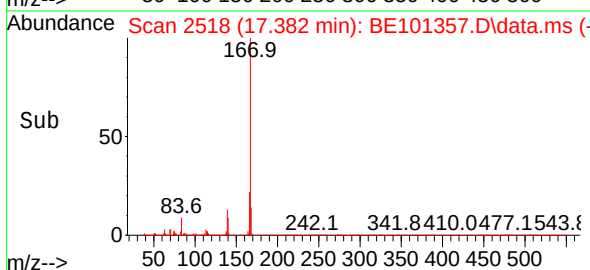
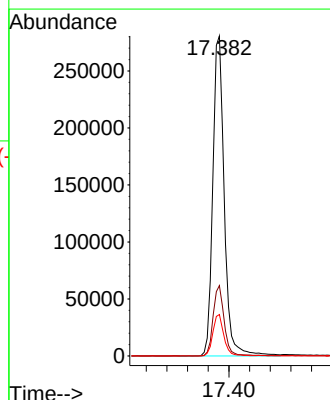
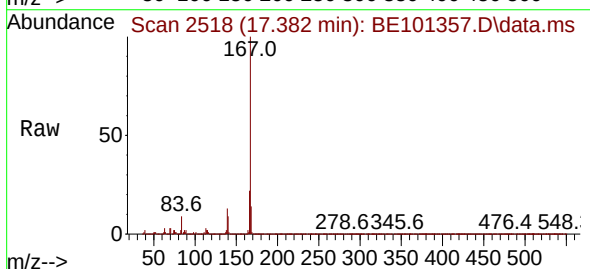
Tgt Ion:167 Resp: 430848

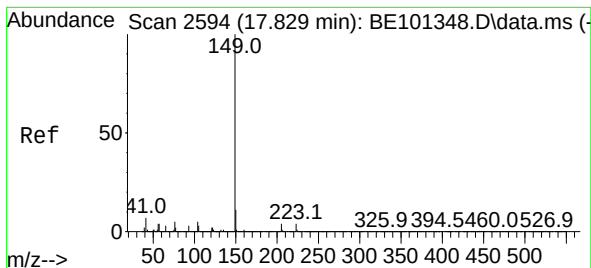
Ion Ratio Lower Upper

167 100

166 22.0 18.4 27.6

139 12.9 11.1 16.7





#74

Di-n-butylphthalate

Concen: 6.037 ng

RT: 17.828 min Scan# 2594

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

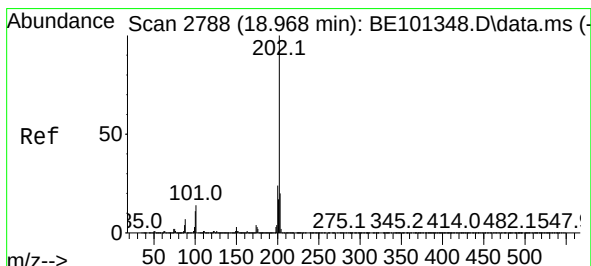
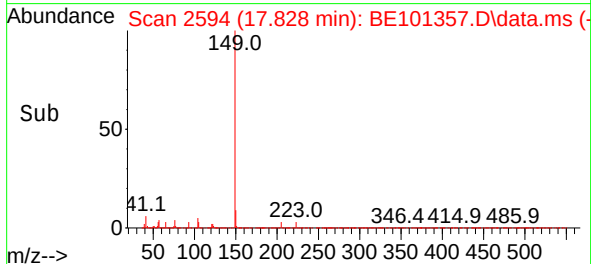
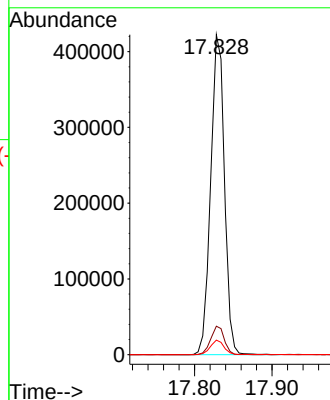
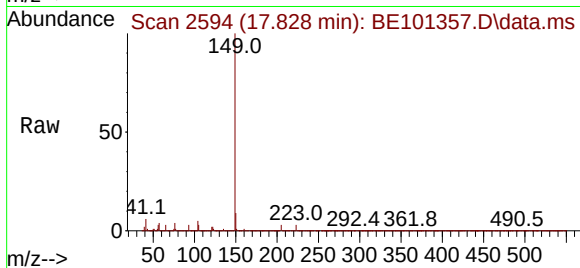
Tgt Ion:149 Resp: 519903

Ion Ratio Lower Upper

149 100

150 8.9 9.0 13.6#

104 4.6 4.4 6.6



#75

Fluoranthene

Concen: 5.992 ng

RT: 18.968 min Scan# 2788

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

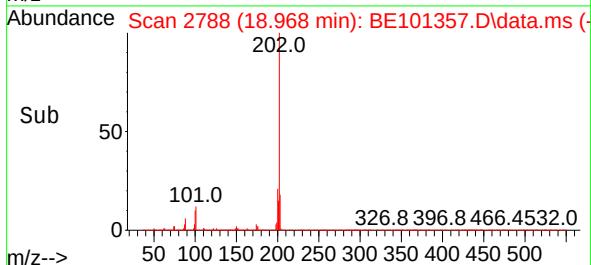
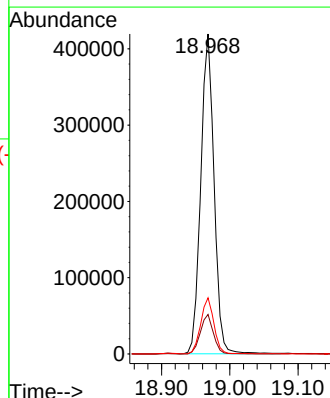
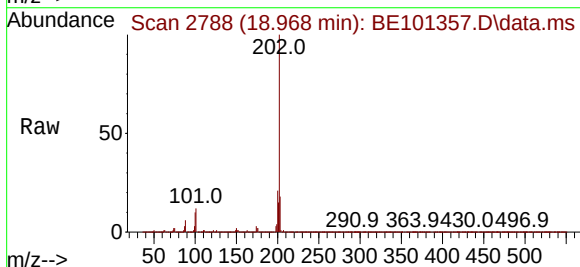
Tgt Ion:202 Resp: 567364

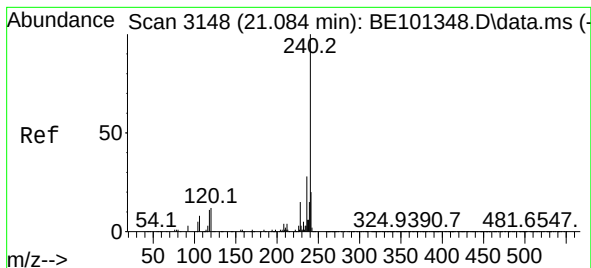
Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.2

203 17.6 0.4 40.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.083 min Scan# 3148

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

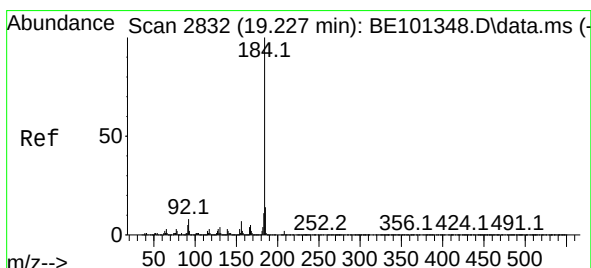
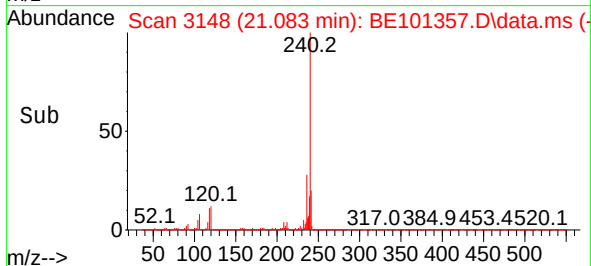
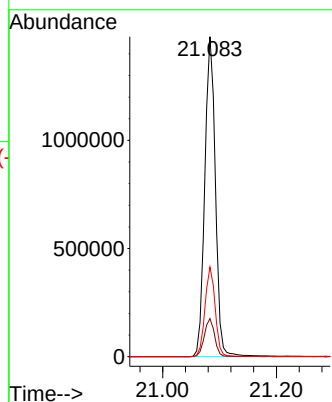
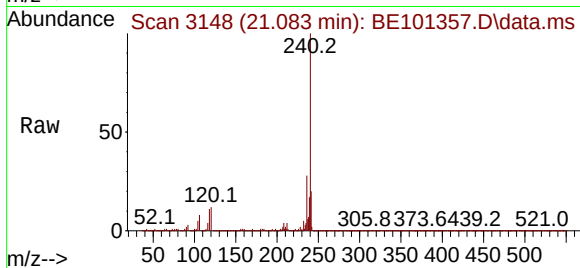
Tgt Ion:240 Resp: 1916083

Ion Ratio Lower Upper

240 100

120 11.9 9.8 14.8

236 28.0 22.1 33.1



#77

Benzidine

Concen: 2.462 ng

RT: 19.227 min Scan# 2832

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

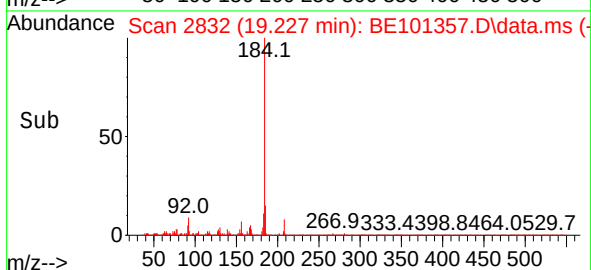
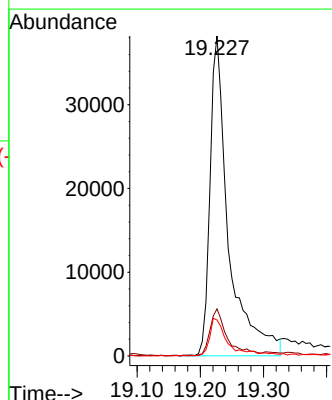
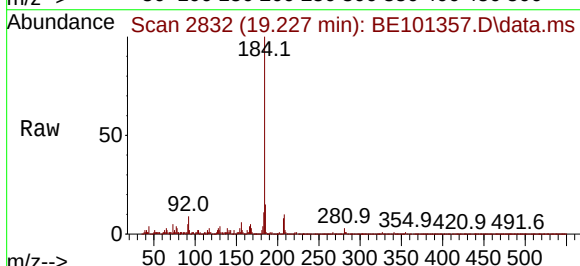
Tgt Ion:184 Resp: 78295

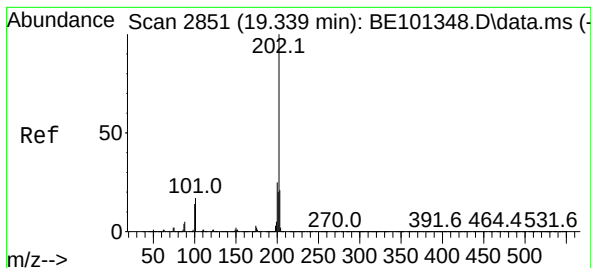
Ion Ratio Lower Upper

184 100

185 14.7 11.4 17.2

183 11.2 9.1 13.7





#78

Pyrene

Concen: 5.683 ng

RT: 19.338 min Scan# 2851

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

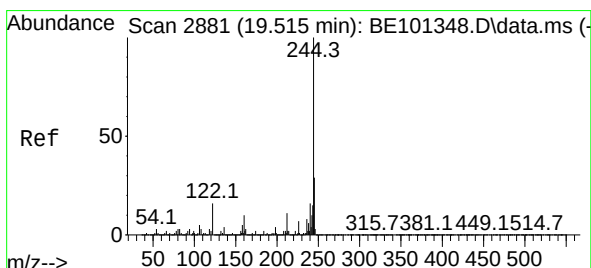
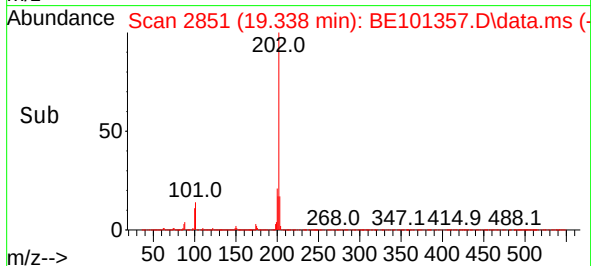
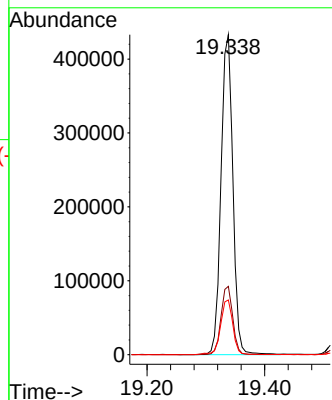
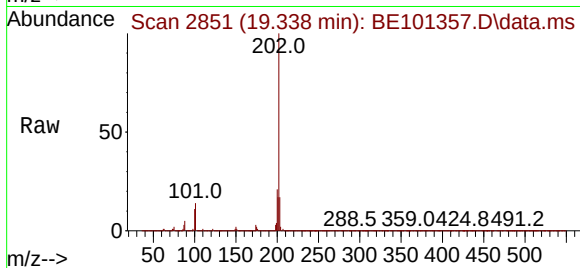
Tgt Ion:202 Resp: 605591

Ion Ratio Lower Upper

202 100

200 21.3 20.2 30.2

203 17.1 16.6 25.0



#79

Terphenyl-d14

Concen: 59.873 ng

RT: 19.520 min Scan# 2882

Delta R.T. 0.005 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

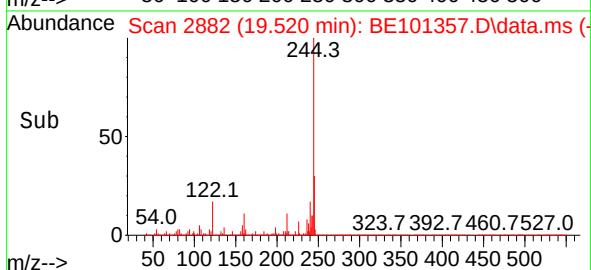
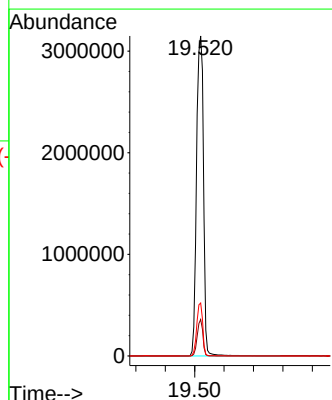
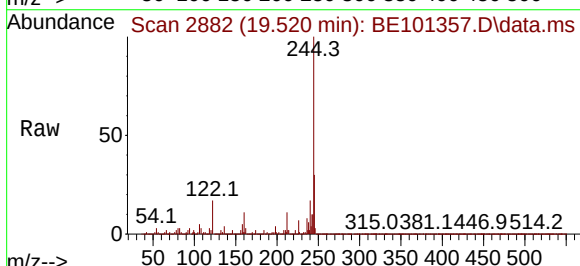
Tgt Ion:244 Resp: 5173834

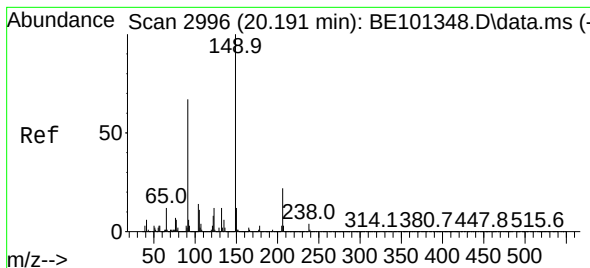
Ion Ratio Lower Upper

244 100

212 11.4 8.5 12.7

122 16.5 13.1 19.7





#80

Butylbenzylphthalate

Concen: 5.562 ng

RT: 20.190 min Scan# 20

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

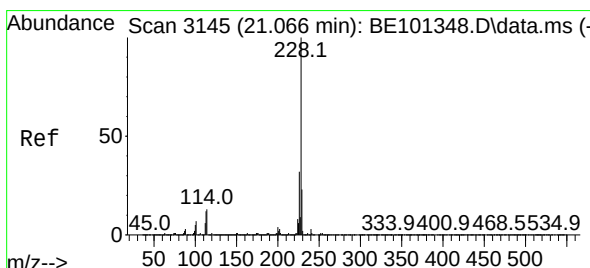
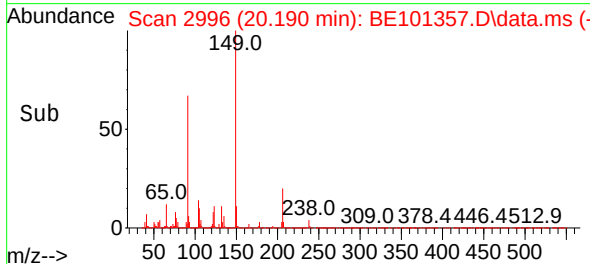
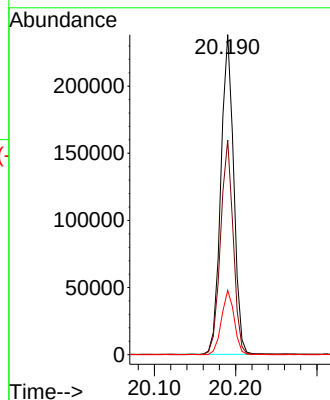
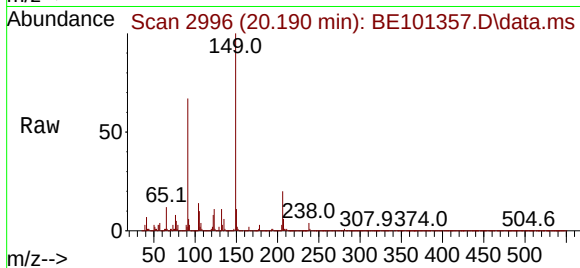
Tgt Ion:149 Resp: 262381

Ion Ratio Lower Upper

149 100

91 67.1 53.4 80.2

206 20.1 17.4 26.0



#81

Benzo(a)anthracene

Concen: 6.118 ng

RT: 21.060 min Scan# 3144

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

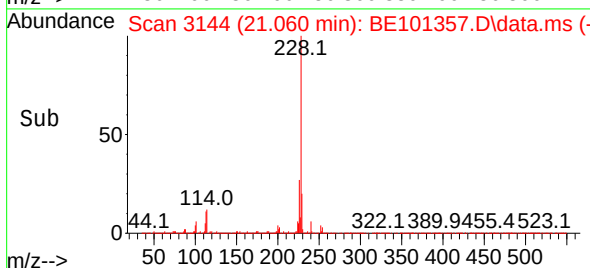
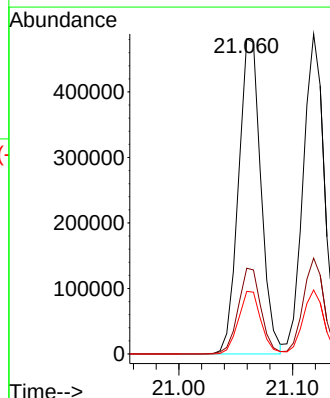
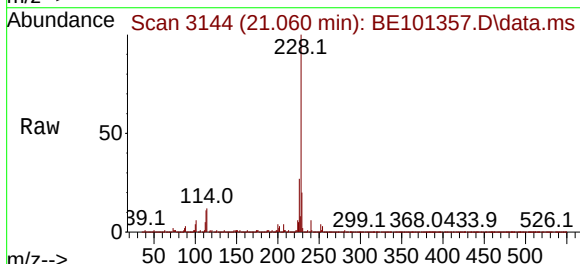
Tgt Ion:228 Resp: 658292

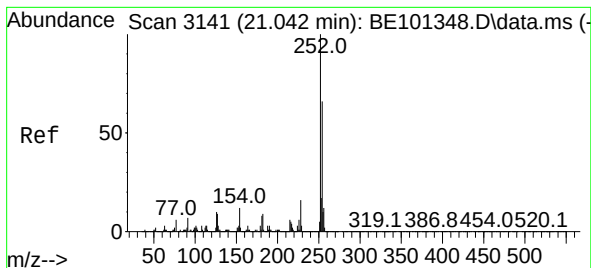
Ion Ratio Lower Upper

228 100

226 27.2 25.7 38.5

229 19.9 18.6 28.0





#82

3,3'-Dichlorobenzidine

Concen: 4.962 ng

RT: 21.042 min Scan# 3141

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

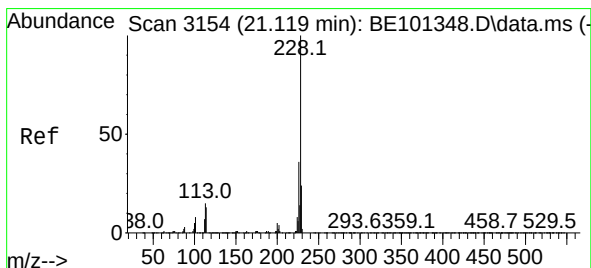
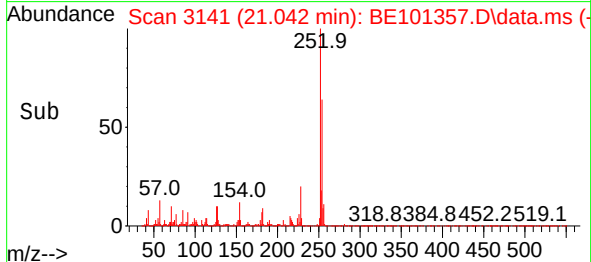
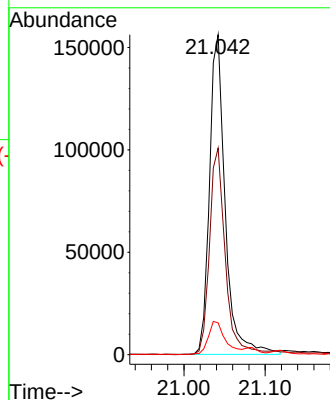
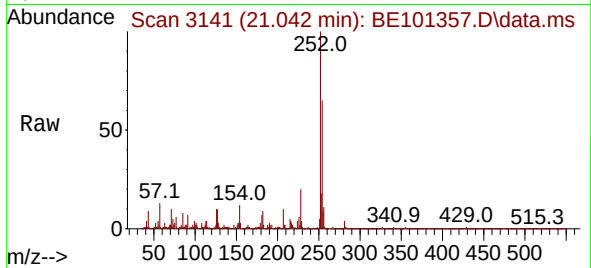
Tgt Ion:252 Resp: 209216

Ion Ratio Lower Upper

252 100

254 64.5 52.5 78.7

126 10.0 8.0 12.0



#83

Chrysene

Concen: 6.191 ng

RT: 21.118 min Scan# 3154

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

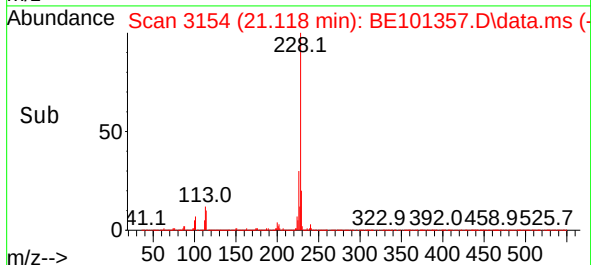
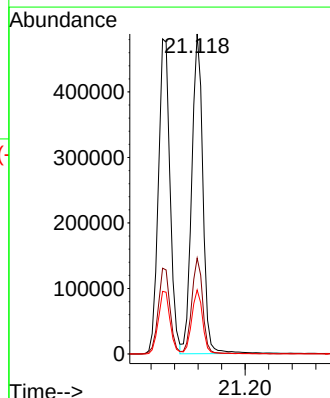
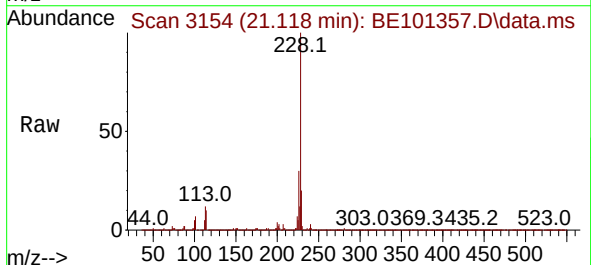
Tgt Ion:228 Resp: 639955

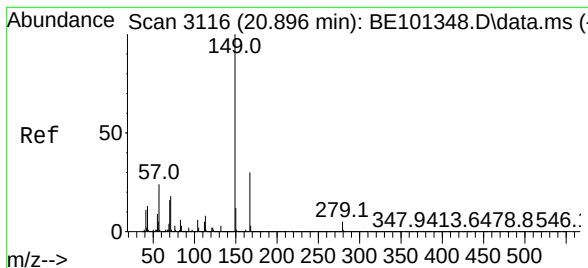
Ion Ratio Lower Upper

228 100

226 30.0 28.4 42.6

229 20.0 19.0 28.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.031 ng

RT: 20.895 min Scan# 3116

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

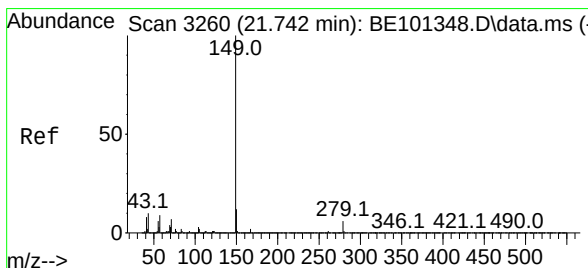
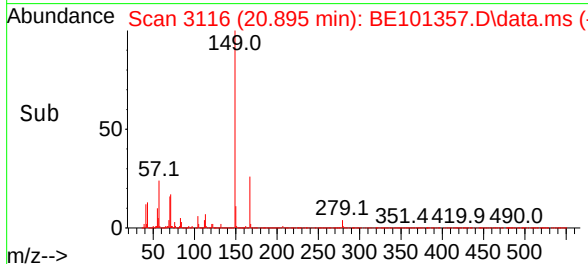
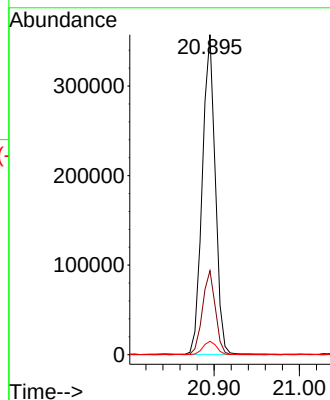
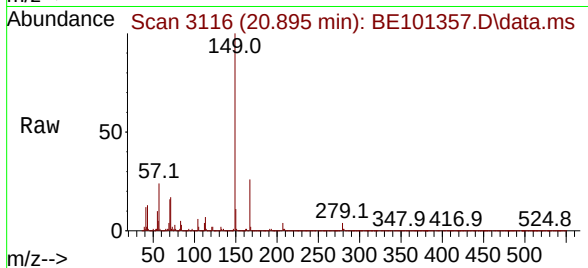
Tgt Ion:149 Resp: 376220

Ion Ratio Lower Upper

149 100

167 26.2 23.9 35.9

279 4.2 4.2 6.4#



#85

Di-n-octyl phthalate

Concen: 5.997 ng

RT: 21.741 min Scan# 3260

Delta R.T. -0.000 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

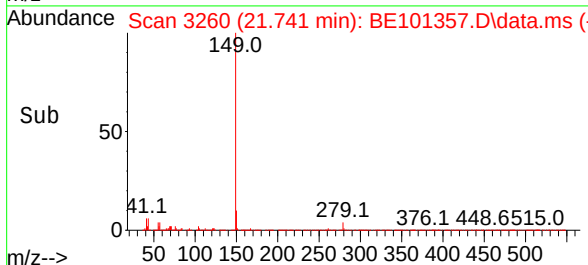
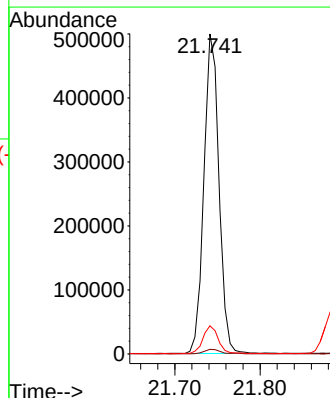
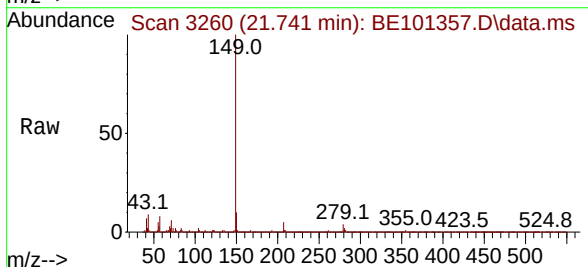
Tgt Ion:149 Resp: 610689

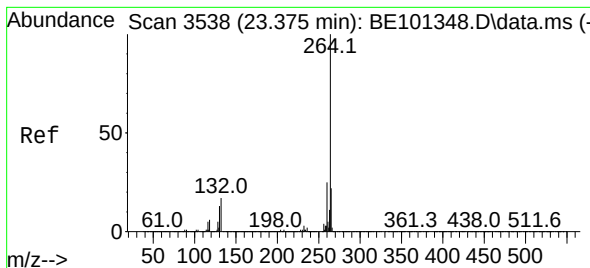
Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.2

43 8.9 7.4 11.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.380 min Scan# 3538

Delta R.T. 0.005 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

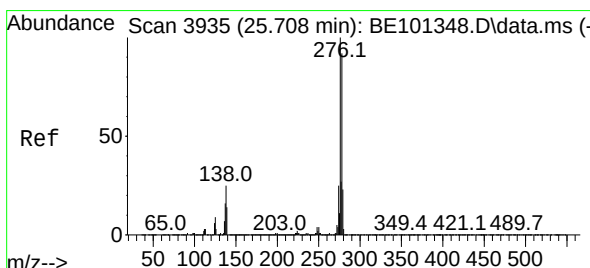
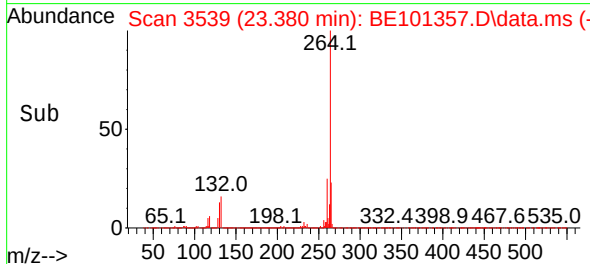
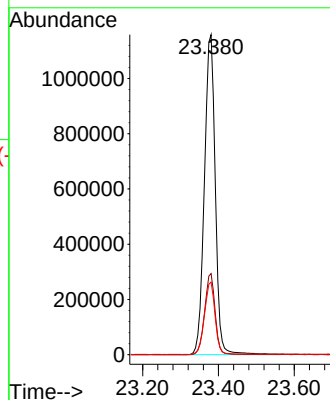
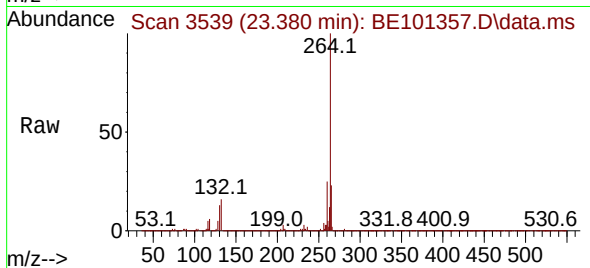
Tgt Ion:264 Resp: 2307618

Ion Ratio Lower Upper

264 100

260 25.4 19.8 29.6

265 22.7 17.8 26.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.762 ng

RT: 25.689 min Scan# 3932

Delta R.T. -0.018 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

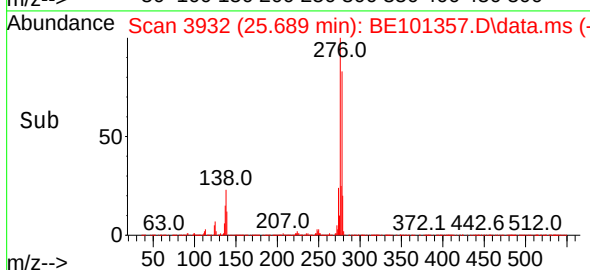
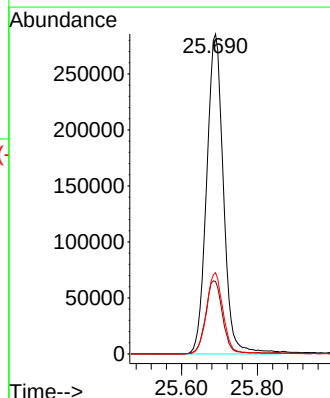
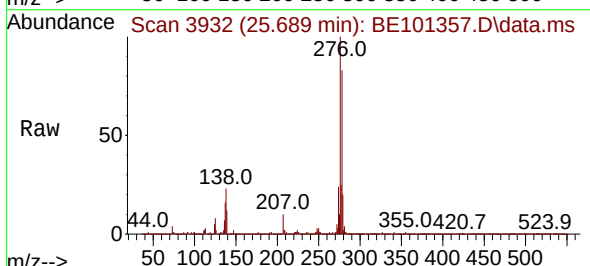
Tgt Ion:276 Resp: 876050

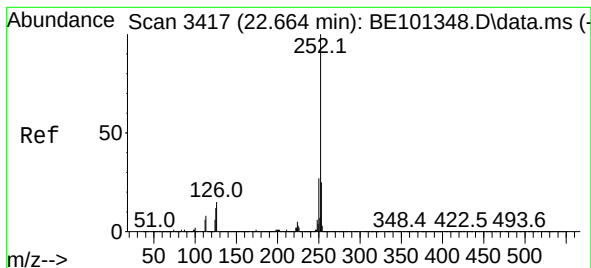
Ion Ratio Lower Upper

276 100

138 22.9 19.2 28.8

277 25.4 20.8 31.2





#88

Benzo(b)fluoranthene

Concen: 5.727 ng

RT: 22.658 min Scan# 3416

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

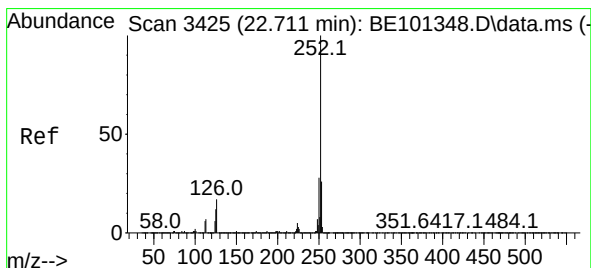
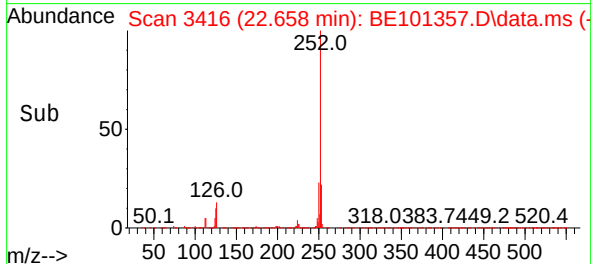
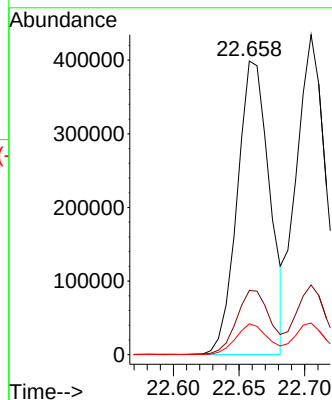
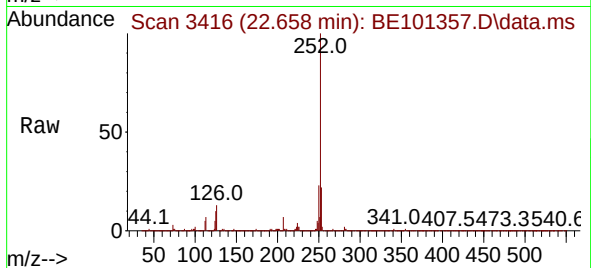
Tgt Ion:252 Resp: 684436

Ion Ratio Lower Upper

252 100

253 21.8 20.2 30.2

125 10.5 9.4 14.0



#89

Benzo(k)fluoranthene

Concen: 6.227 ng

RT: 22.705 min Scan# 3424

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

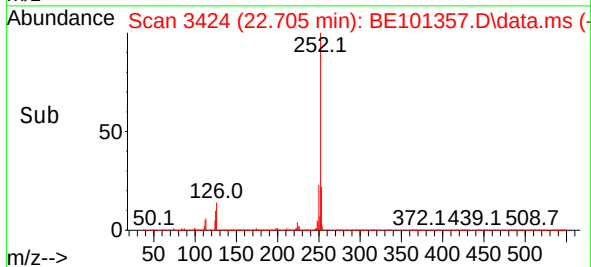
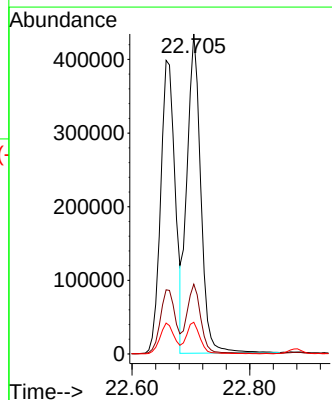
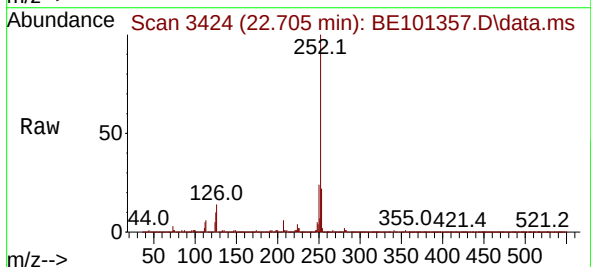
Tgt Ion:252 Resp: 702375

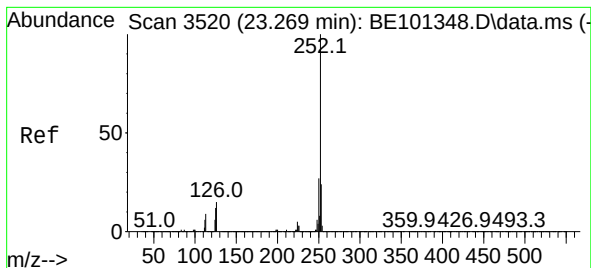
Ion Ratio Lower Upper

252 100

253 21.8 20.2 30.4

125 9.9 9.4 14.0





#90

Benzo(a)pyrene

Concen: 5.903 ng

RT: 23.263 min Scan# 3519

Delta R.T. -0.006 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

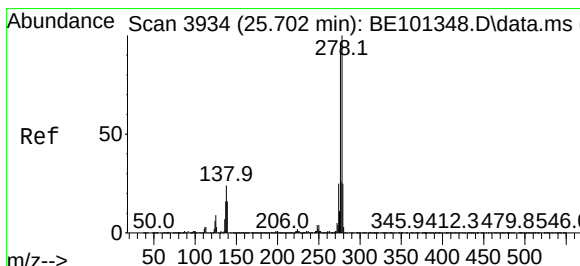
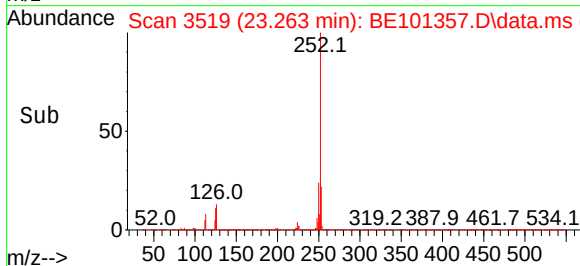
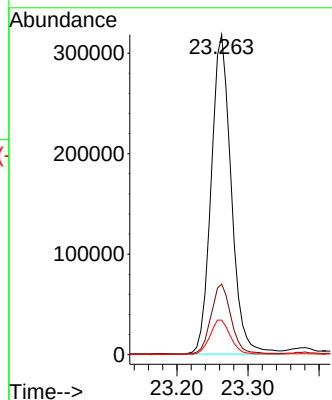
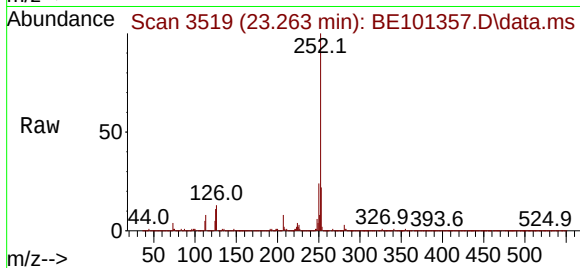
Tgt Ion:252 Resp: 622595

Ion Ratio Lower Upper

252 100

253 22.1 19.0 28.6

125 10.8 9.6 14.4



#91

Dibenzo(a,h)anthracene

Concen: 5.754 ng

RT: 25.684 min Scan# 3931

Delta R.T. -0.018 min

Lab File: BE101357.D

Acq: 18 Sep 2024 11:09

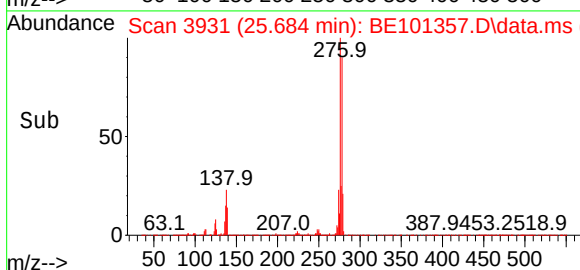
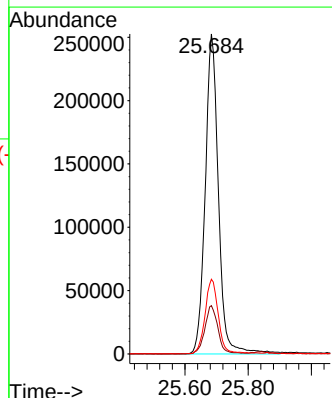
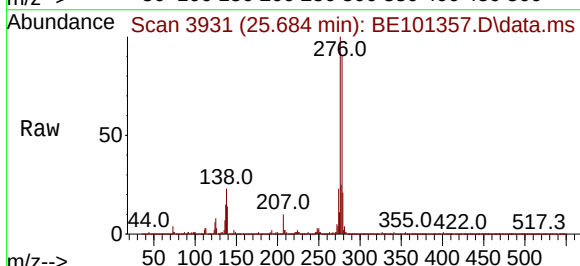
Tgt Ion:278 Resp: 732462

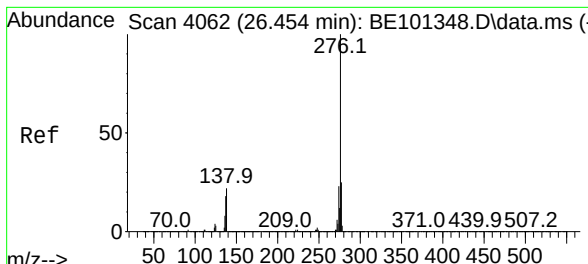
Ion Ratio Lower Upper

278 100

139 15.1 12.4 18.6

279 23.3 19.8 29.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.329 ng
 RT: 26.436 min Scan# 4059
 Delta R.T. -0.018 min
 Lab File: BE101357.D
 Acq: 18 Sep 2024 11:09

Instrument : BNA_E
 ClientSampleId : LOQ-SOIL-02-QT2-2024

Tgt Ion: 276 Resp: 688794

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.8	29.8
138	20.3	17.4	26.0

