

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091824\
 Data File : BE101359.D
 Acq On : 18 Sep 2024 12:21
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 18 13:28:43 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	7.576	152	155022	20.000	ng	0.00
21) Naphthalene-d8	10.344	136	761198	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	570003	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	1361167	20.000	ng	0.00
76) Chrysene-d12	21.084	240	1565078	20.000	ng	0.00
86) Perylene-d12	23.370	264	1872927	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	780873	88.072	ng	0.00
7) Phenol-d6	6.948	99	1058563	84.220	ng	0.00
23) Nitrobenzene-d5	8.787	82	750719	62.525	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	867893	90.526	ng	0.00
45) 2-Fluorobiphenyl	12.806	172	2102379	63.737	ng	0.00
79) Terphenyl-d14	19.515	244	3948456	55.940	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.229	88	24801	7.346	ng	94
3) Pyridine	3.781	79	9449	0.972	ng	# 89
4) n-Nitrosodimethylamine	3.628	42	22717	6.502	ng	# 88
6) Aniline	7.018	93	97661	9.261	ng	97
8) 2-Chlorophenol	7.218	128	80815	7.585	ng	98
9) Benzaldehyde	6.789	77	59510	10.302	ng	98
10) Phenol	6.977	94	91234	6.604	ng	96
11) bis(2-Chloroethyl)ether	7.018	93	97661	8.353	ng	# 31
12) 1,3-Dichlorobenzene	7.459	146	86105	7.520	ng	98
13) 1,4-Dichlorobenzene	7.612	146	87710	7.518	ng	99
14) 1,2-Dichlorobenzene	7.935	146	83829	7.251	ng	98
15) Benzyl Alcohol	7.923	79	60069	8.026	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.076	45	116486	7.905	ng	99
17) 2-Methylphenol	8.158	107	61901	6.762	ng	97
18) Hexachloroethane	8.634	117	27274	7.149	ng	97
19) n-Nitroso-di-n-propyla...	8.381	70	62440	7.039	ng	94
20) 3+4-Methylphenols	8.499	107	82239	6.385	ng	98
22) Acetophenone	8.434	105	131163	7.431	ng	# 98
24) Nitrobenzene	8.828	77	92383	7.207	ng	97
25) Isophorone	9.280	82	181923	7.401	ng	99
26) 2-Nitrophenol	9.515	139	39182	6.477	ng	97
27) 2,4-Dimethylphenol	9.633	122	42048	5.414	ng	96
28) bis(2-Chloroethoxy)met...	9.786	93	109497	7.365	ng	98
29) 2,4-Dichlorophenol	10.062	162	73951	6.953	ng	98
30) 1,2,4-Trichlorobenzene	10.185	180	83456	7.260	ng	98
31) Naphthalene	10.391	128	284804	7.415	ng	99
32) Benzoic acid	9.833	122	44884	11.935	ng	98
33) 4-Chloroaniline	10.620	127	106366	7.239	ng	99
34) Hexachlorobutadiene	10.638	225	47571	7.123	ng	97
35) Caprolactam	11.407	113	25435	5.920	ng	97
36) 4-Chloro-3-methylphenol	11.789	107	83822	6.670	ng	98
37) 2-Methylnaphthalene	11.977	142	205504	7.316	ng	97
38) 1-Methylnaphthalene	12.206	142	195281	6.930	ng	99
40) 1,2,4,5-Tetrachloroben...	12.336	216	100732	7.336	ng	99
41) Hexachlorocyclopentadiene	12.318	237	54037	11.977	ng	98
43) 2,4,6-Trichlorophenol	12.659	196	65151	6.700	ng	98

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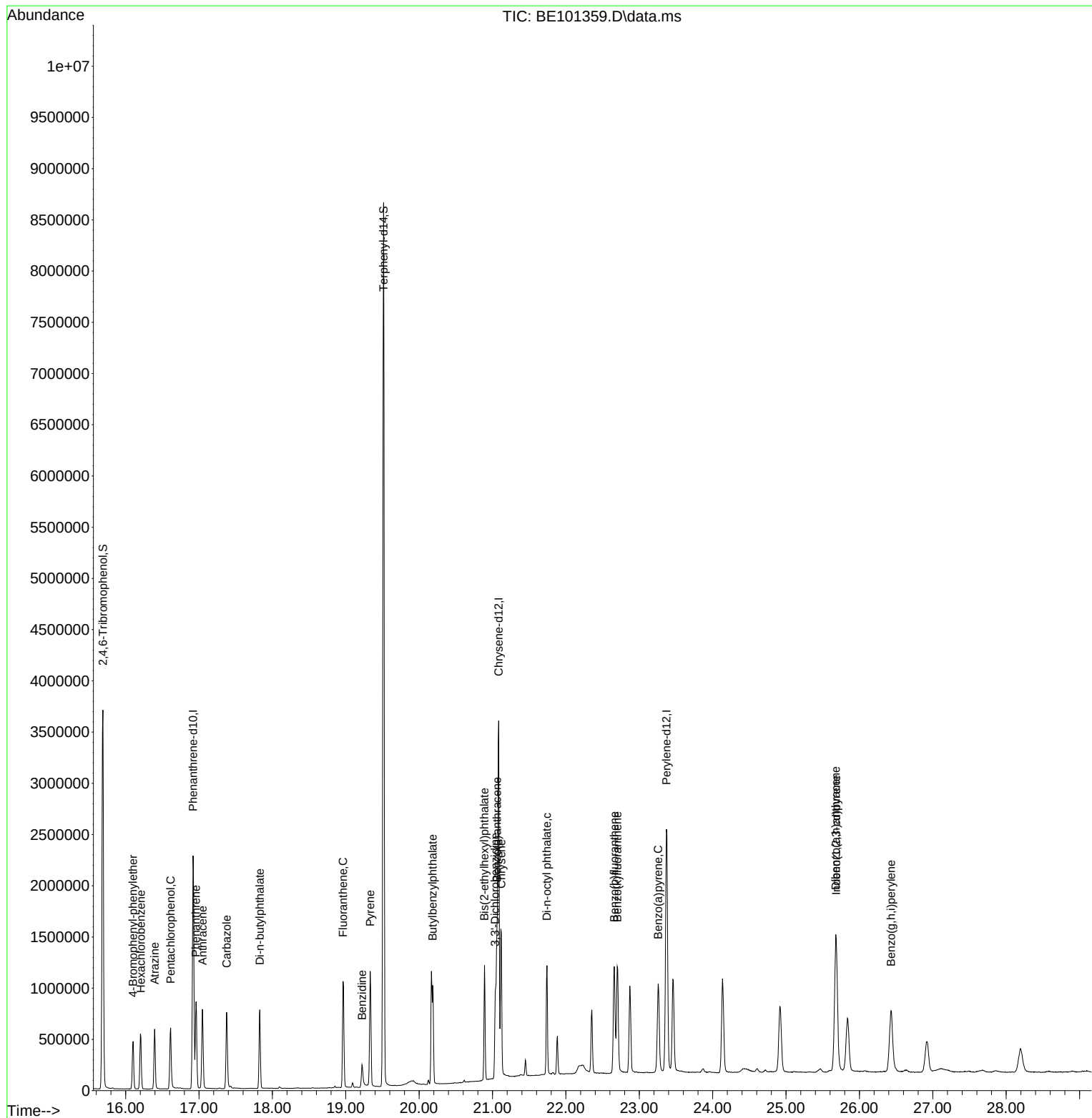
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	70924	6.464	ng	98
46) 1,1'-Biphenyl	13.011	154	292840	7.581	ng	98
47) 2-Chloronaphthalene	13.058	162	216362	7.121	ng	98
48) 2-Nitroaniline	13.387	65	51292	6.274	ng	95
49) Acenaphthylene	13.916	152	355017	7.830	ng	98
50) Dimethylphthalate	13.687	163	310215	7.542	ng	99
51) 2,6-Dinitrotoluene	13.822	165	59489	6.463	ng	99
52) Acenaphthene	14.245	154	213985	7.160	ng	97
53) 3-Nitroaniline	14.233	138	60602	6.400	ng	98
54) 2,4-Dinitrophenol	14.368	184	32418	5.916	ng	94
55) Dibenzofuran	14.586	168	359571	7.617	ng	98
56) 4-Nitrophenol	14.651	139	48464	6.157	ng	95
57) 2,4-Dinitrotoluene	14.604	165	78637	6.276	ng	# 86
58) Fluorene	15.226	166	298345	7.501	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.856	232	74861	7.215	ng	98
60) Diethylphthalate	15.015	149	325966	7.639	ng	98
61) 4-Chlorophenyl-phenyle...	15.215	204	143325	7.346	ng	97
62) 4-Nitroaniline	15.420	138	61124	6.194	ng	99
63) Azobenzene	15.508	77	276451	7.581	ng	97
65) 4,6-Dinitro-2-methylph...	15.350	198	56739	7.341	ng	94
66) n-Nitrosodiphenylamine	15.461	169	266973	7.358	ng	98
67) 4-Bromophenyl-phenylether	16.102	248	99014	7.002	ng	100
68) Hexachlorobenzene	16.208	284	124493	6.812	ng	95
69) Atrazine	16.396	200	101094	8.438	ng	98
70) Pentachlorophenol	16.613	266	124300	11.384	ng	99
71) Phenanthrene	16.960	178	509179	7.876	ng	97
72) Anthracene	17.048	178	477646	7.593	ng	97
73) Carbazole	17.377	167	489018	7.585	ng	97
74) Di-n-butylphthalate	17.829	149	573947	8.108	ng	# 95
75) Fluoranthene	18.963	202	630188	8.097	ng	95
77) Benzidine	19.222	184	169713	6.534	ng	99
78) Pyrene	19.333	202	680741	7.821	ng	93
80) Butylbenzylphthalate	20.185	149	288547	7.488	ng	97
81) Benzo(a)anthracene	21.061	228	726762	8.269	ng	91
82) 3,3'-Dichlorobenzidine	21.037	252	258502	7.506	ng	97
83) Chrysene	21.119	228	709978	8.409	ng	91
84) Bis(2-ethylhexyl)phtha...	20.890	149	385095	7.557	ng	94
85) Di-n-octyl phthalate	21.742	149	671148	8.069	ng	99
87) Indeno(1,2,3-cd)pyrene	25.685	276	977433	7.921	ng	98
88) Benzo(b)fluoranthene	22.659	252	781473	8.056	ng	95
89) Benzo(k)fluoranthene	22.700	252	748026	8.170	ng	95
90) Benzo(a)pyrene	23.258	252	692744	8.092	ng	96
91) Dibenzo(a,h)anthracene	25.679	278	801216	7.756	ng	98
92) Benzo(g,h,i)perylene	26.431	276	752346	7.172	ng	98

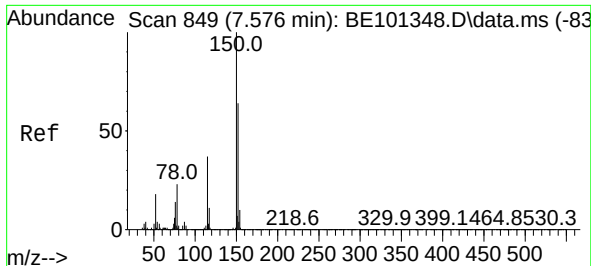
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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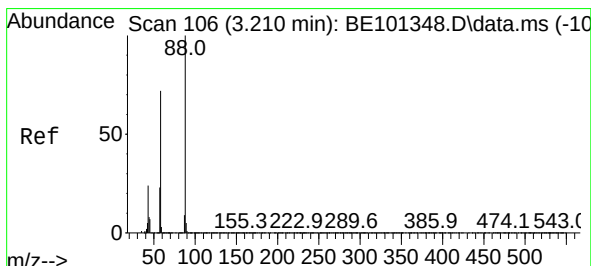
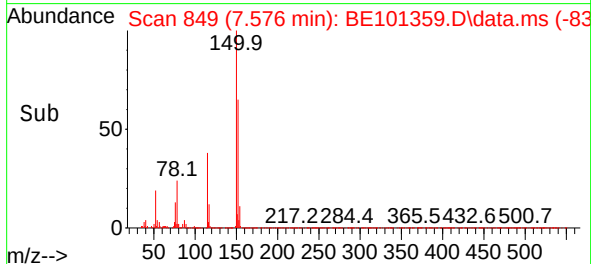
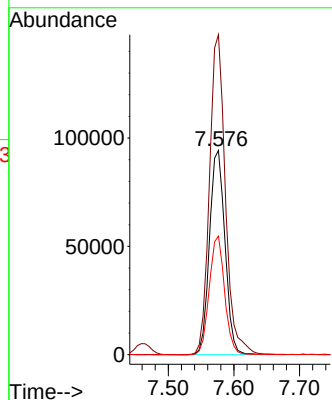
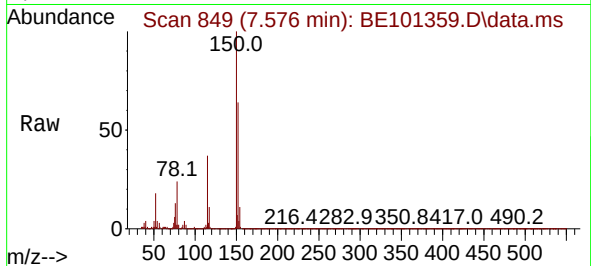




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.576 min Scan# 849
Delta R.T. 0.000 min
Lab File: BE101359.D
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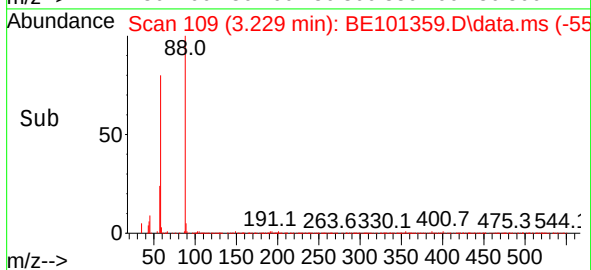
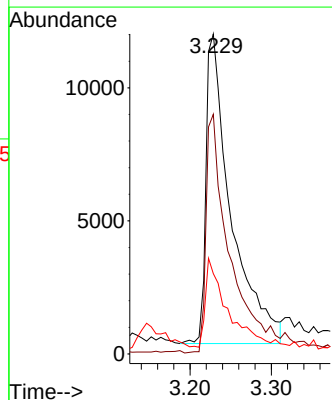
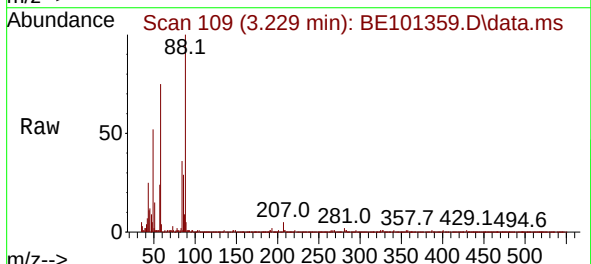
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

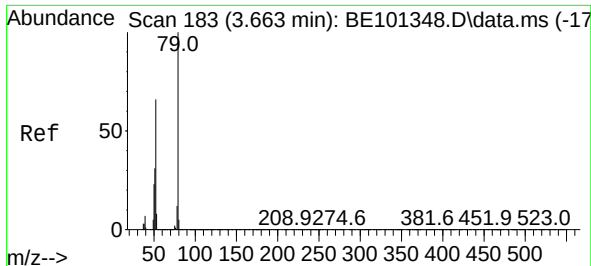
Tgt Ion:152 Resp: 155022
Ion Ratio Lower Upper
152 100
150 156.6 125.9 188.9
115 58.2 46.9 70.3



#2
1,4-Dioxane
Concen: 7.346 ng
RT: 3.229 min Scan# 109
Delta R.T. 0.018 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion: 88 Resp: 24801
Ion Ratio Lower Upper
88 100
58 79.1 58.8 88.2
43 25.4 19.4 29.2





#3

Pyridine

Concen: 0.972 ng

RT: 3.781 min Scan# 20

Delta R.T. 0.118 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

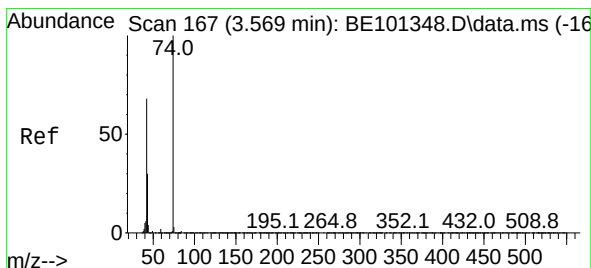
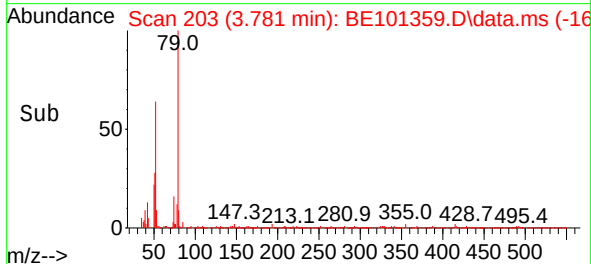
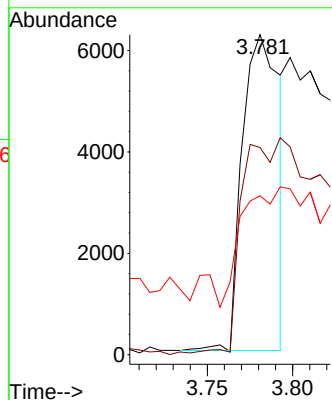
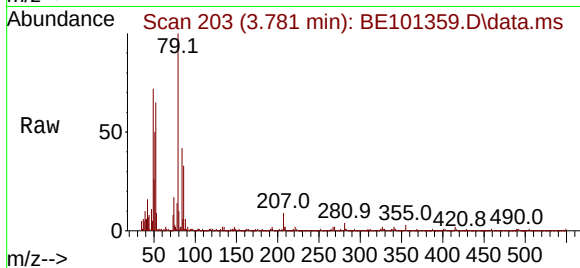
Tgt Ion: 79 Resp: 9449

Ion Ratio Lower Upper

79 100

52 64.7 52.6 78.8

51 49.7 26.2 39.2#



#4

n-Nitrosodimethylamine

Concen: 6.502 ng

RT: 3.628 min Scan# 177

Delta R.T. 0.059 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

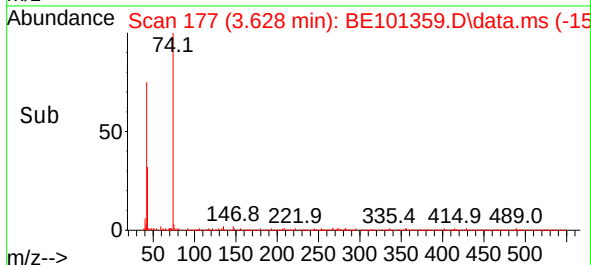
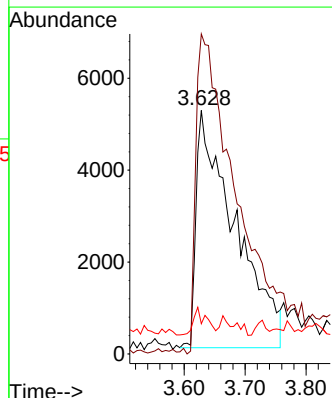
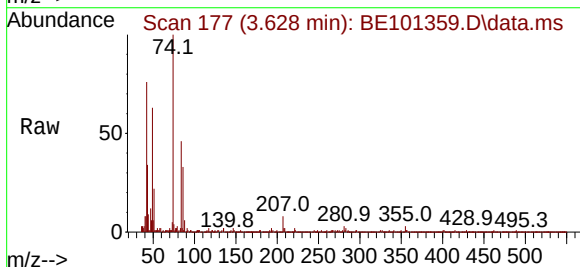
Tgt Ion: 42 Resp: 22717

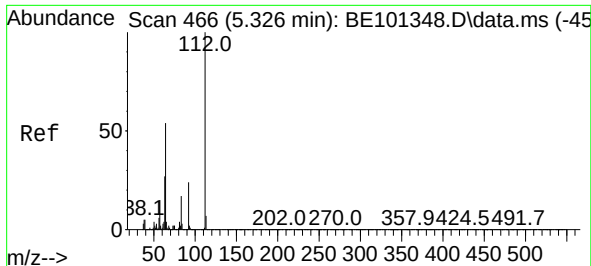
Ion Ratio Lower Upper

42 100

74 131.4 117.0 175.4

44 12.4 5.9 8.9#

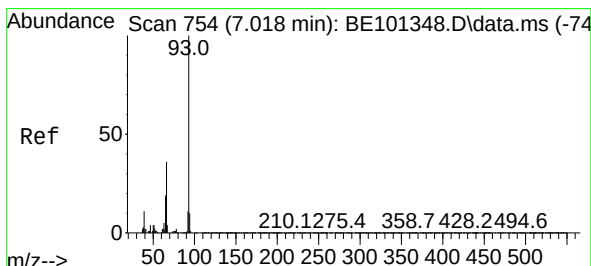
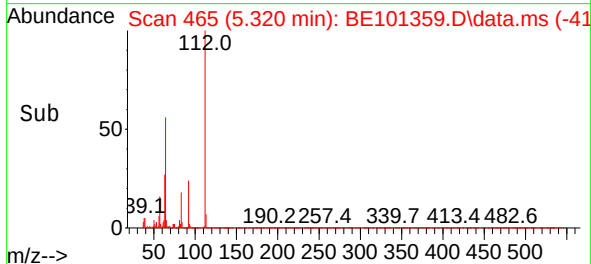
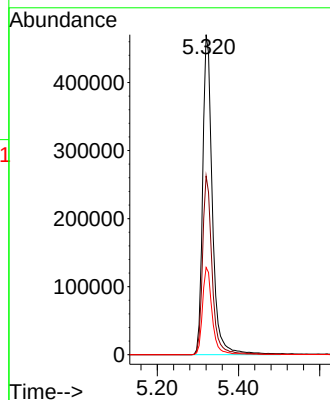
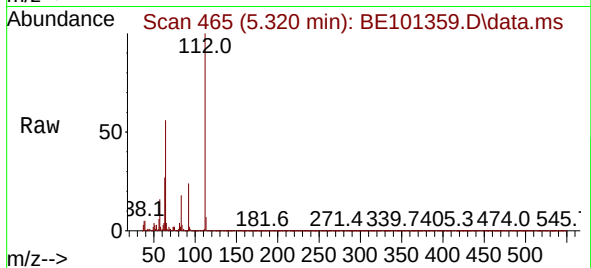




#5
2-Fluorophenol
Concen: 88.072 ng
RT: 5.320 min Scan# 466
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

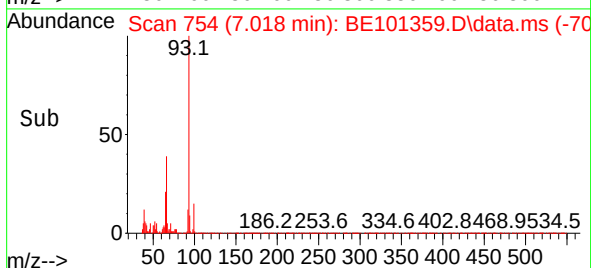
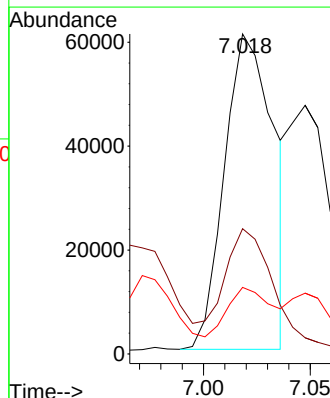
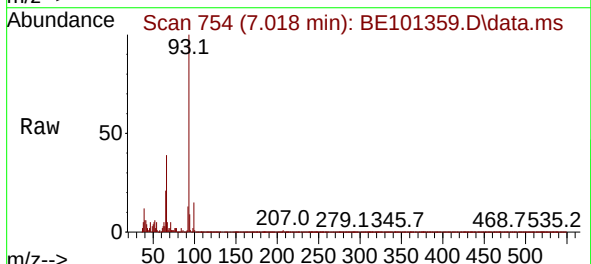
Instrument :
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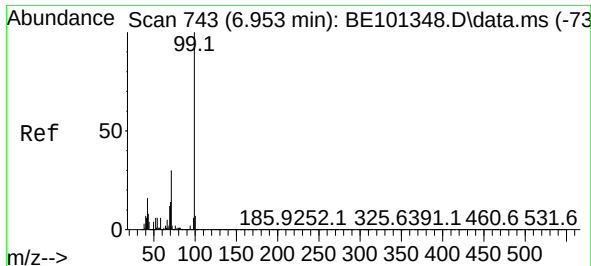
Tgt Ion:112 Resp: 780873
Ion Ratio Lower Upper
112 100
64 55.8 42.8 64.2
63 27.3 21.3 31.9



#6
Aniline
Concen: 9.261 ng
RT: 7.018 min Scan# 754
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion: 93 Resp: 97661
Ion Ratio Lower Upper
93 100
66 39.1 30.0 45.0
65 20.8 15.8 23.8





#7

Phenol-d6

Concen: 84.220 ng

RT: 6.948 min Scan# 743

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

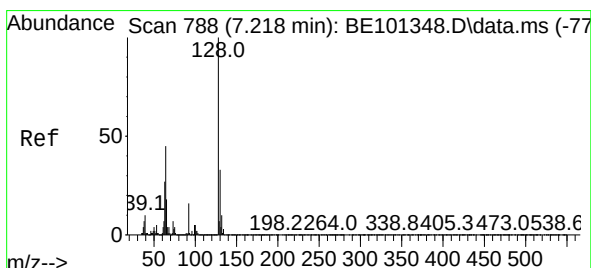
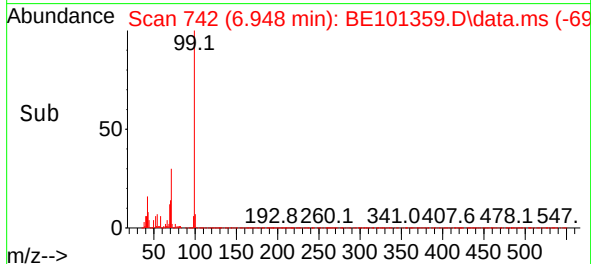
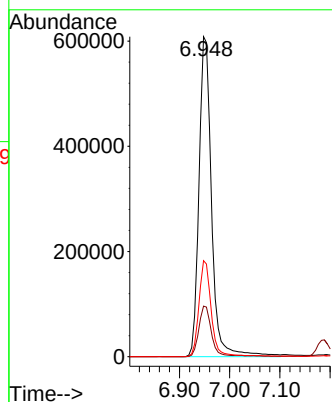
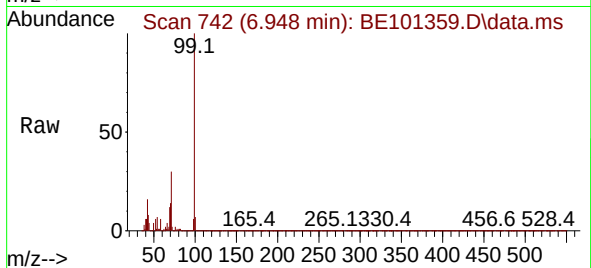
BNA_E

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Tgt Ion: 99 Resp: 1058563

Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.8	19.2
71	30.0	23.8	35.6



#8

2-Chlorophenol

Concen: 7.585 ng

RT: 7.218 min Scan# 788

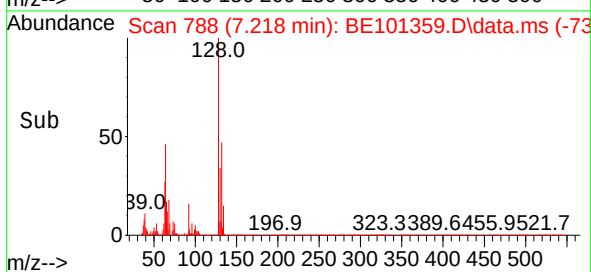
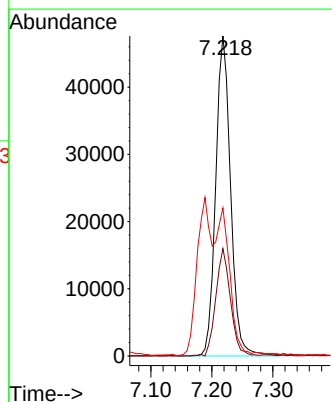
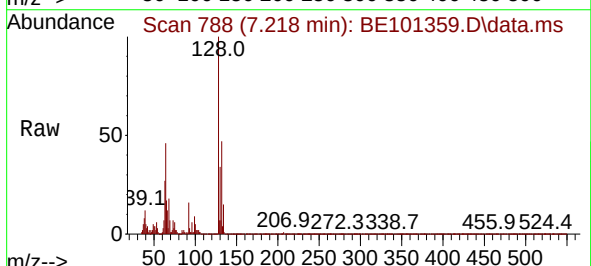
Delta R.T. 0.001 min

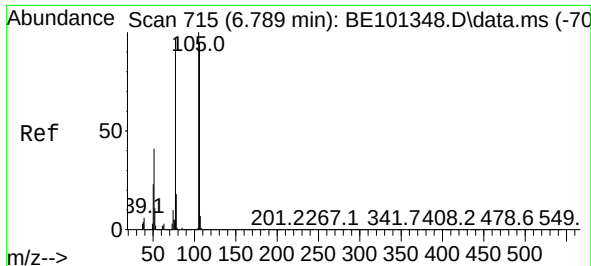
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Tgt Ion:128 Resp: 80815

Ion	Ratio	Lower	Upper
128	100		
130	33.6	12.8	52.8
64	46.3	24.9	64.9





#9

Benzaldehyde

Concen: 10.302 ng

RT: 6.789 min Scan# 715

Delta R.T. 0.001 min

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ClientSampleId :

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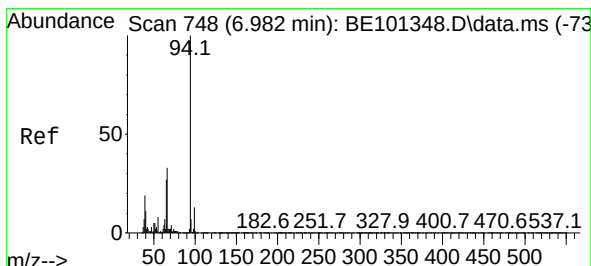
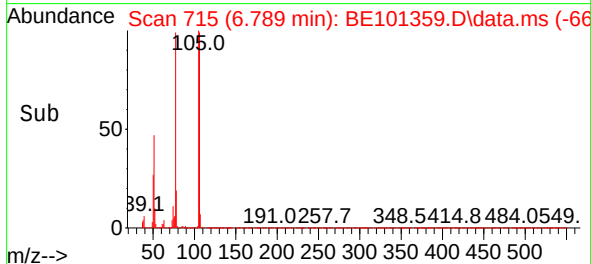
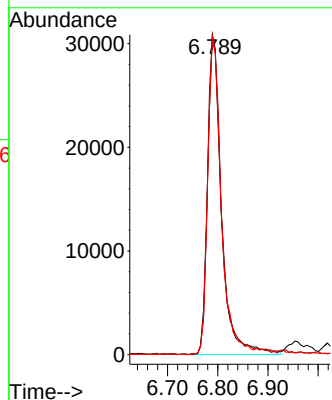
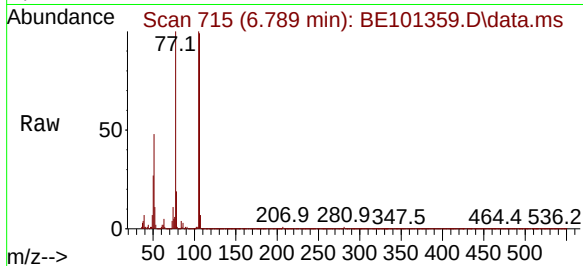
Tgt Ion: 77 Resp: 59510

Ion Ratio Lower Upper

77 100

105 100.2 82.8 122.8

106 99.2 77.9 117.9



#10

Phenol

Concen: 6.604 ng

RT: 6.977 min Scan# 747

Delta R.T. -0.005 min

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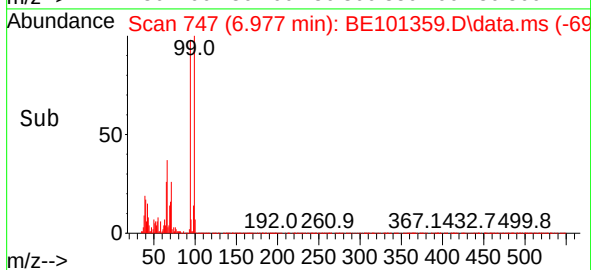
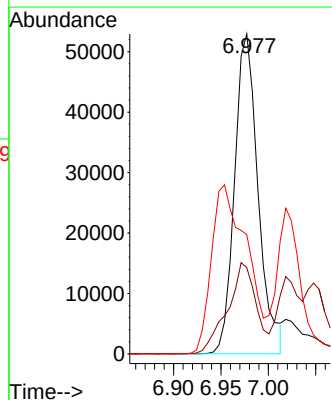
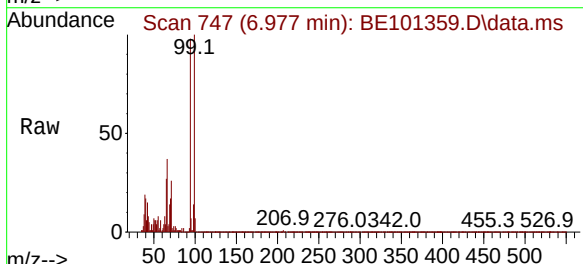
Tgt Ion: 94 Resp: 91234

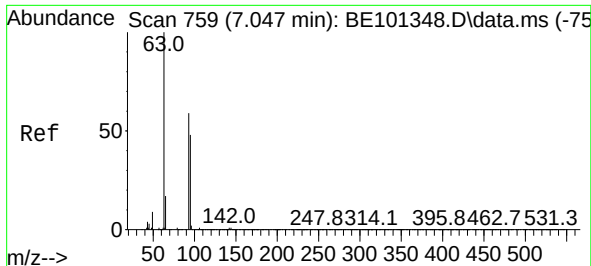
Ion Ratio Lower Upper

94 100

65 27.0 7.1 47.1

66 37.3 13.1 53.1

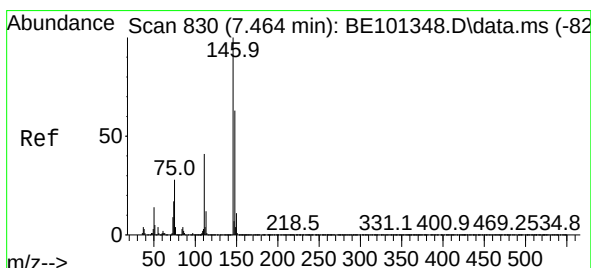
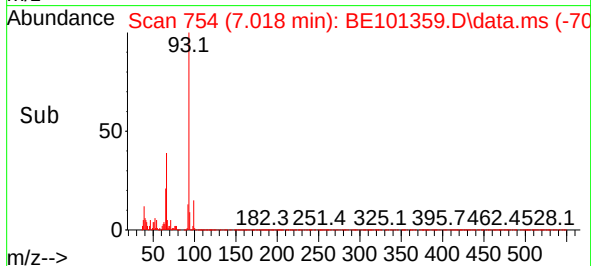
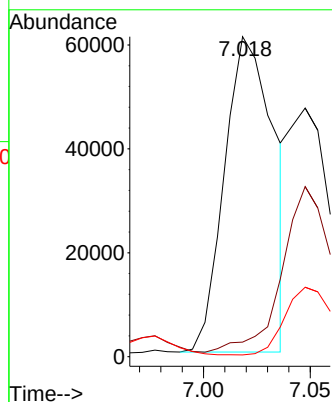
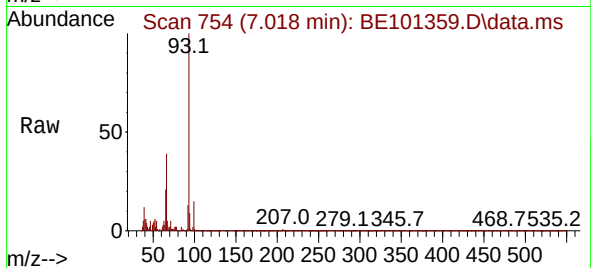




#11
bis(2-Chloroethyl)ether
Concen: 8.353 ng
RT: 7.018 min Scan# 754
Delta R.T. -0.029 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

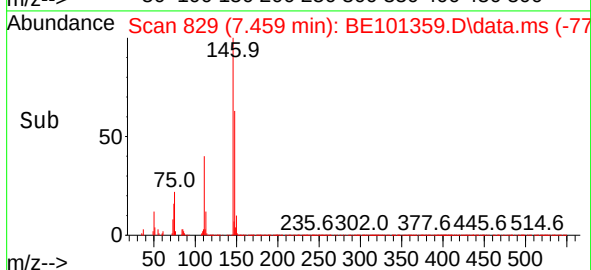
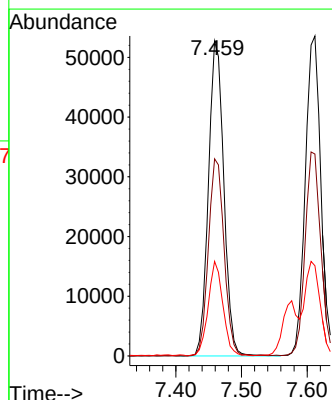
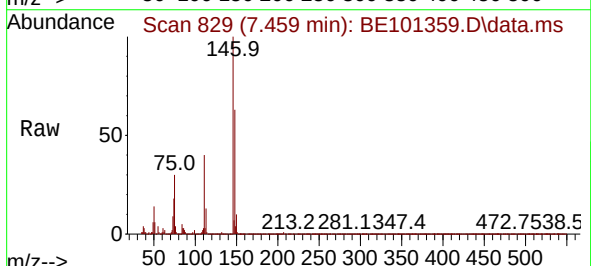
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

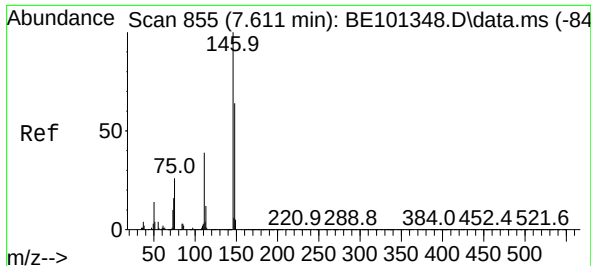
Tgt Ion: 93 Resp: 97661
Ion Ratio Lower Upper
93 100
63 4.5 43.7 83.7#
95 0.5 8.7 48.7#



#12
1,3-Dichlorobenzene
Concen: 7.520 ng
RT: 7.459 min Scan# 829
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion: 146 Resp: 86105
Ion Ratio Lower Upper
146 100
148 62.6 50.8 76.2
75 30.0 22.1 33.1

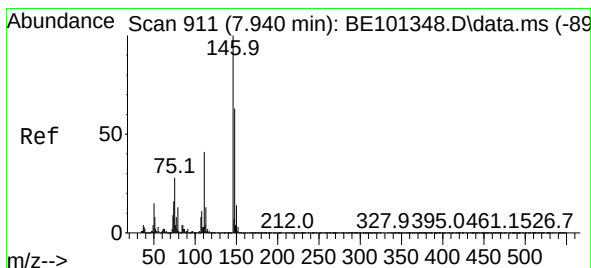
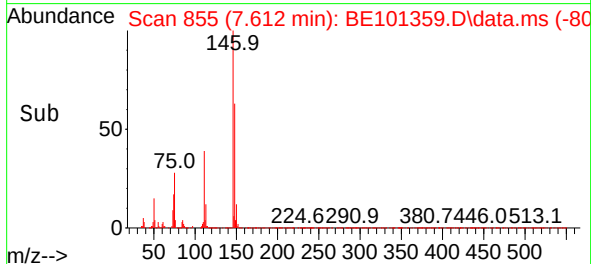
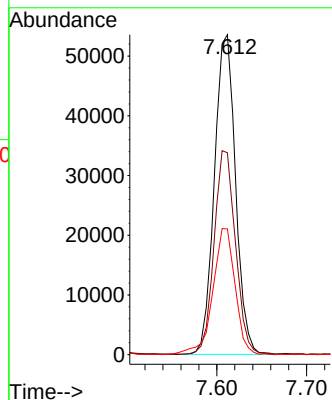
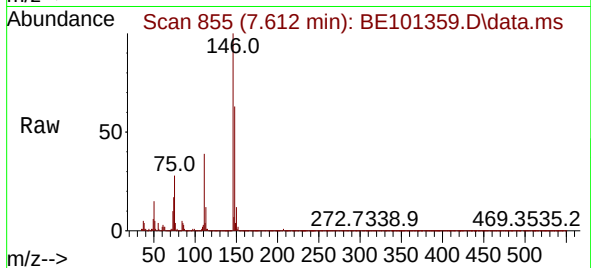




#13
1,4-Dichlorobenzene
Concen: 7.518 ng
RT: 7.612 min Scan# 855
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

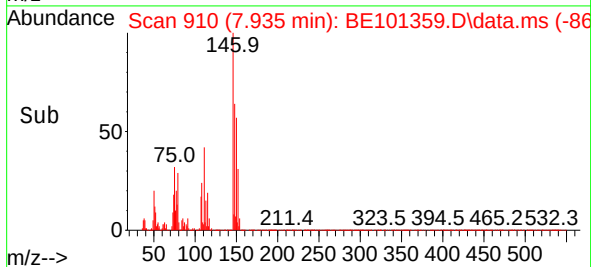
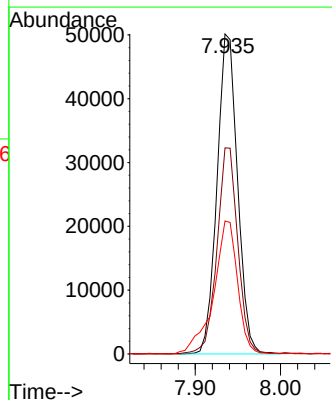
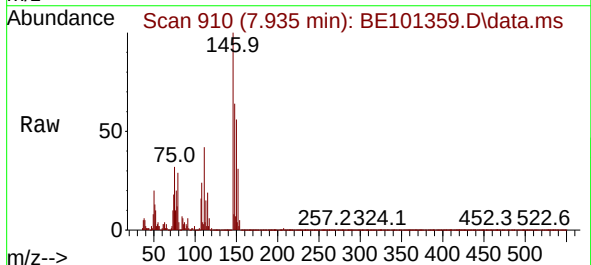
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

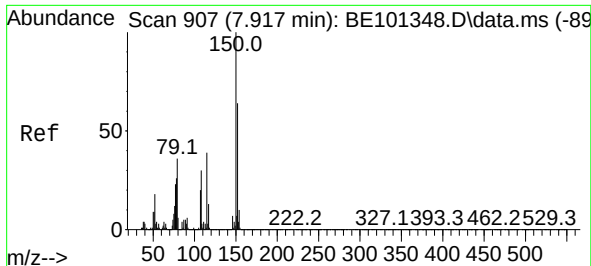
Tgt Ion:146 Resp: 87710
Ion Ratio Lower Upper
146 100
148 63.1 51.1 76.7
111 39.3 31.1 46.7



#14
1,2-Dichlorobenzene
Concen: 7.251 ng
RT: 7.935 min Scan# 910
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:146 Resp: 83829
Ion Ratio Lower Upper
146 100
148 64.4 50.4 75.6
111 41.6 32.6 48.8

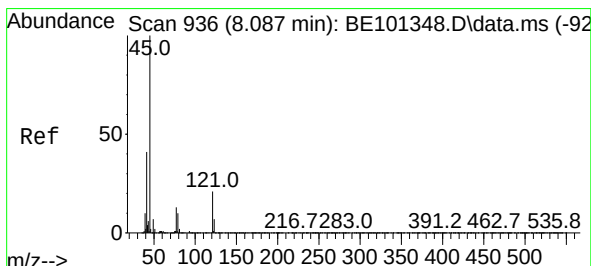
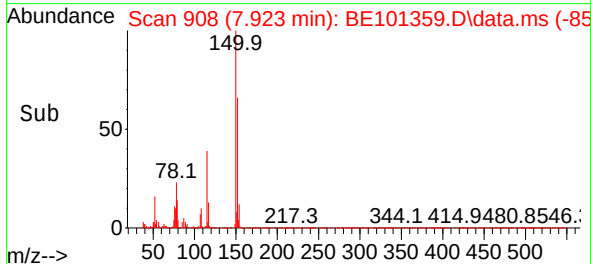
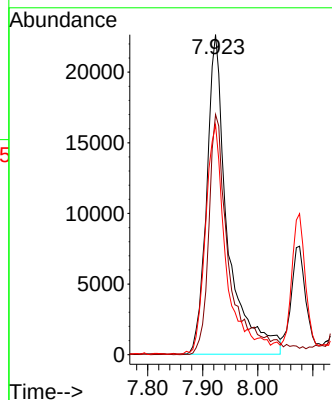
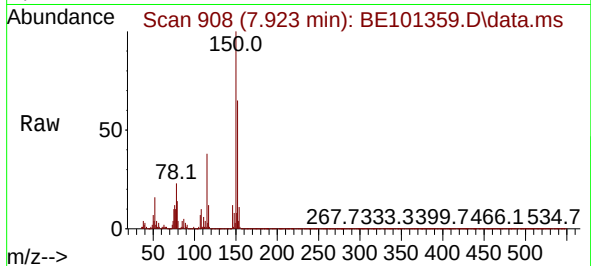




#15
Benzyl Alcohol
Concen: 8.026 ng
RT: 7.923 min Scan# 907
Delta R.T. 0.006 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

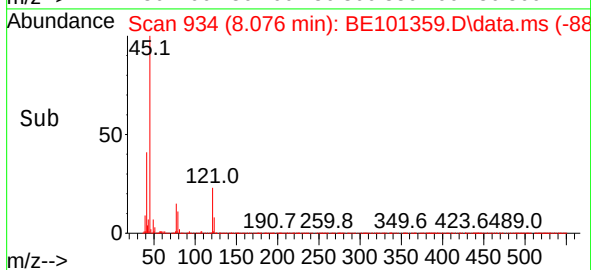
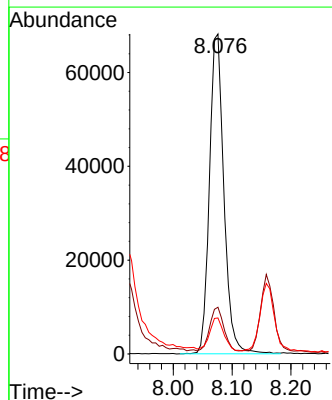
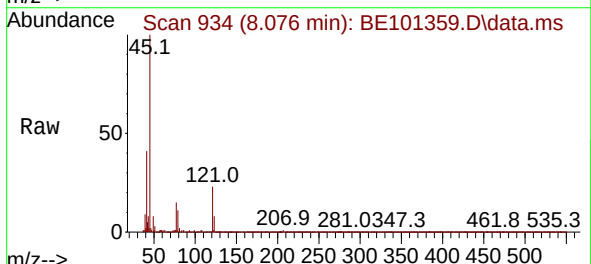
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

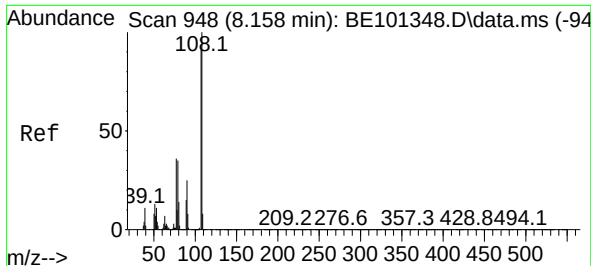
Tgt Ion: 79 Resp: 60069
Ion Ratio Lower Upper
79 100
108 75.0 66.0 99.0
77 71.8 51.0 76.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.905 ng
RT: 8.076 min Scan# 934
Delta R.T. -0.011 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion: 45 Resp: 116486
Ion Ratio Lower Upper
45 100
77 14.6 0.0 34.3
79 11.3 0.0 31.6

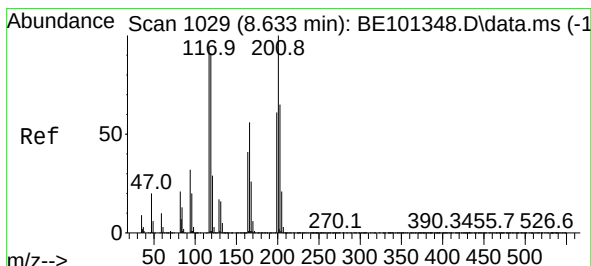
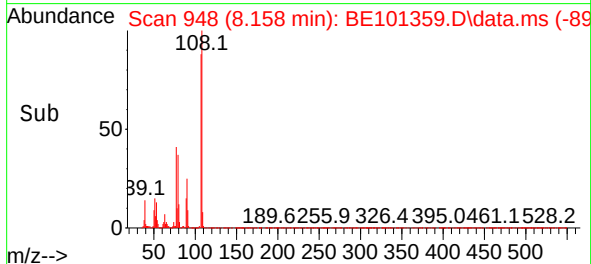
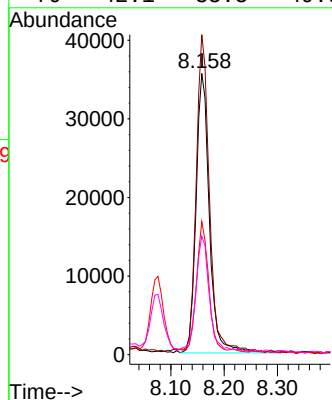
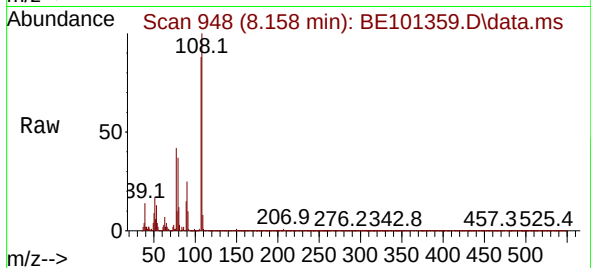




#17
2-Methylphenol
Concen: 6.762 ng
RT: 8.158 min Scan# 948
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

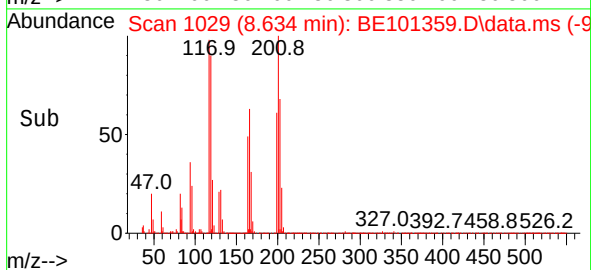
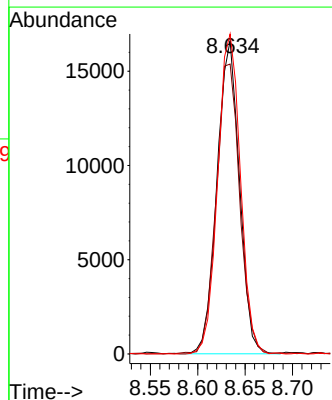
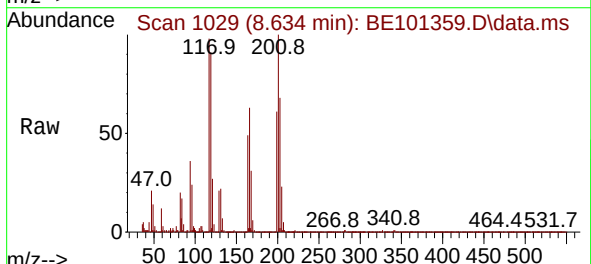
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

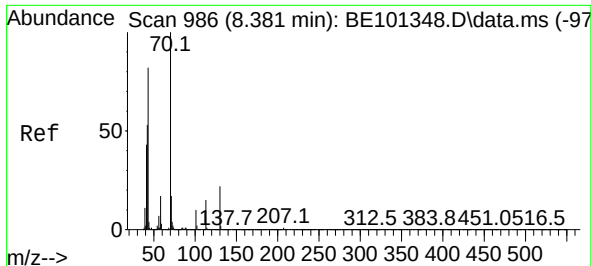
Tgt Ion:	107	Resp:	61901
Ion Ratio	Lower	Upper	
107	100		
108	113.7	88.2	132.2
77	47.3	34.9	52.3
79	42.1	33.3	49.9



#18
Hexachloroethane
Concen: 7.149 ng
RT: 8.634 min Scan# 1029
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:	117	Resp:	27274
Ion Ratio	Lower	Upper	
117	100		
119	92.5	77.4	116.2
201	104.6	84.8	127.2

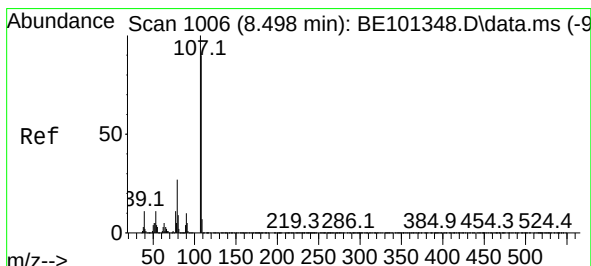
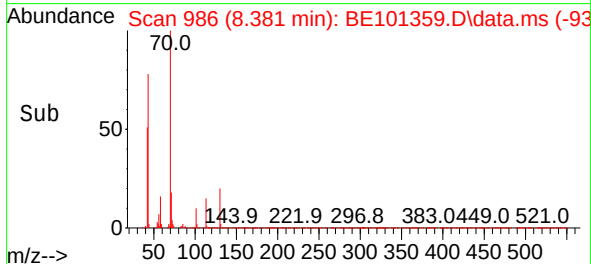
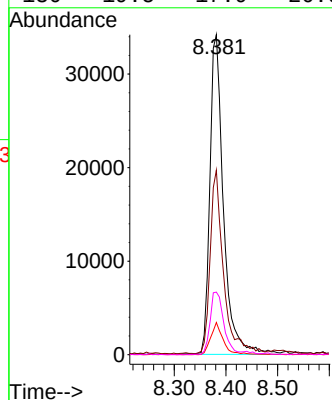
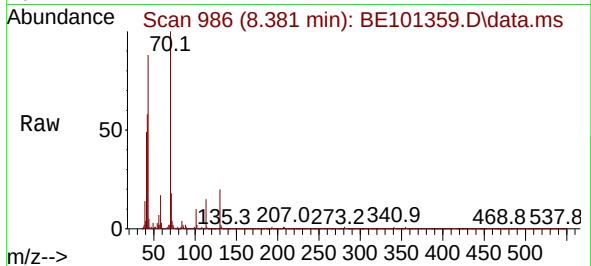




#19
n-Nitroso-di-n-propylamine
Concen: 7.039 ng
RT: 8.381 min Scan# 986
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

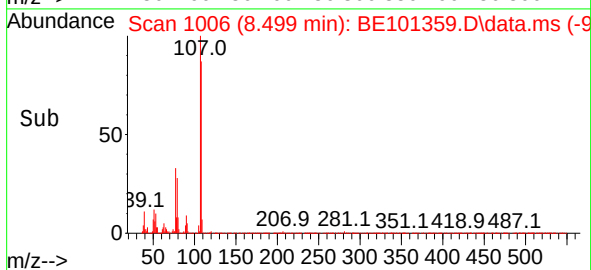
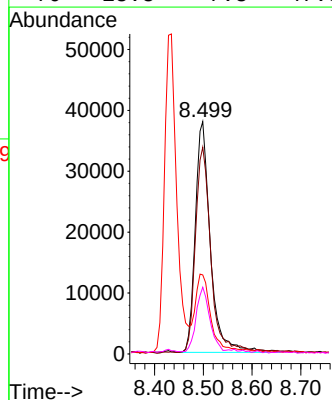
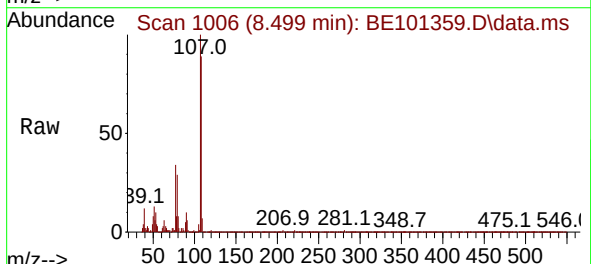
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

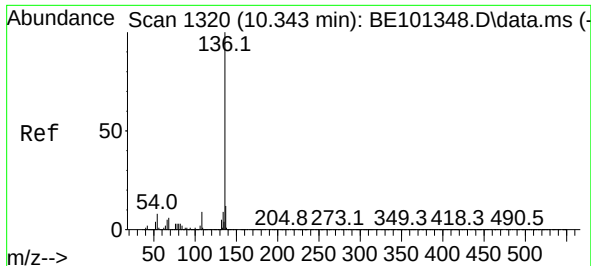
Tgt Ion:	70	Resp:	62440
Ion	Ratio	Lower	Upper
70	100		
42	57.6	42.5	63.7
101	10.0	7.8	11.6
130	19.5	17.9	26.9



#20
3+4-Methylphenols
Concen: 6.385 ng
RT: 8.499 min Scan# 1006
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:	107	Resp:	82239
Ion	Ratio	Lower	Upper
107	100		
108	89.0	70.4	110.4
77	34.0	12.5	52.5
79	28.8	7.3	47.3

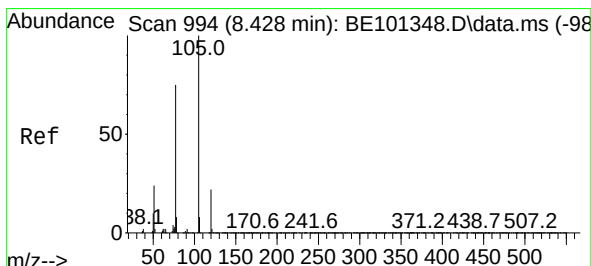
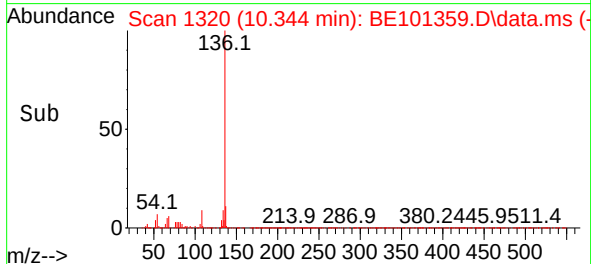
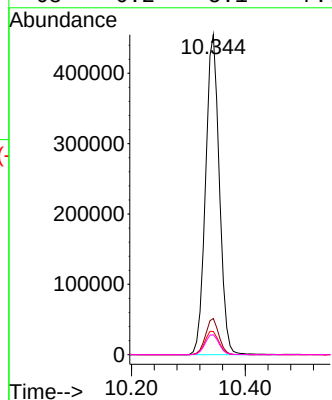
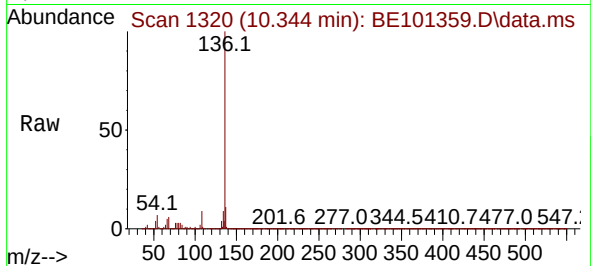




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.344 min Scan# 1320
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

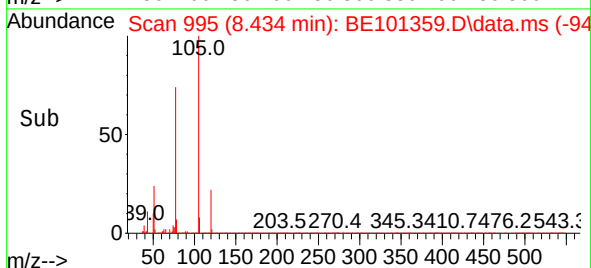
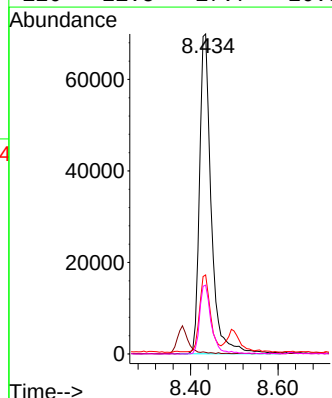
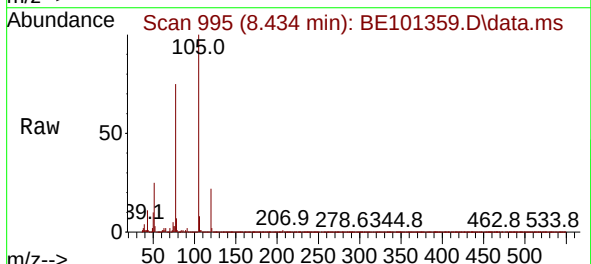
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

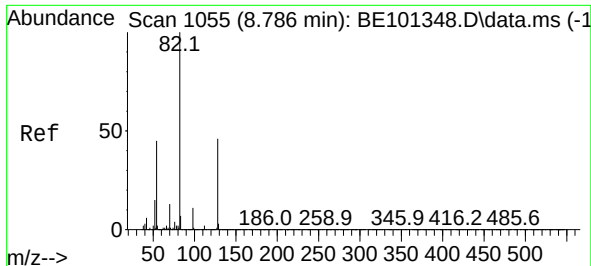
Tgt Ion:	136	Resp:	761198
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	7.3	6.1	9.1
68	6.2	5.1	7.7



#22
Acetophenone
Concen: 7.431 ng
RT: 8.434 min Scan# 995
Delta R.T. 0.006 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:	105	Resp:	131163
Ion	Ratio	Lower	Upper
105	100		
71	0.5	0.1	0.1#
51	24.7	19.0	28.4
120	21.5	17.7	26.5





#23

Nitrobenzene-d5

Concen: 62.525 ng

RT: 8.787 min Scan# 1055

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

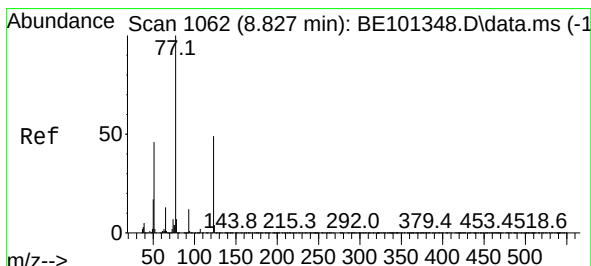
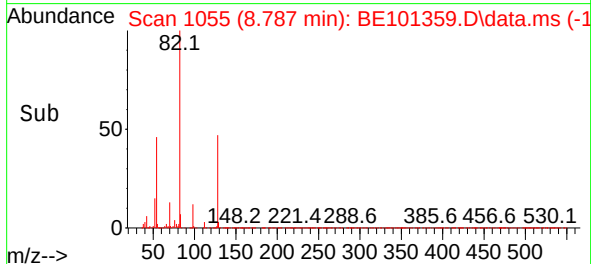
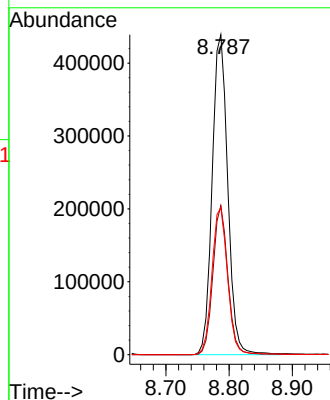
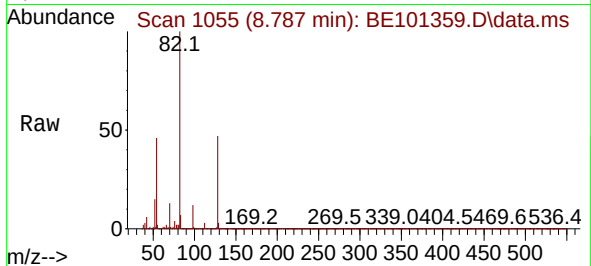
Tgt Ion: 82 Resp: 750719

Ion Ratio Lower Upper

82 100

128 46.6 36.8 55.2

54 45.9 36.2 54.4



#24

Nitrobenzene

Concen: 7.207 ng

RT: 8.828 min Scan# 1062

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

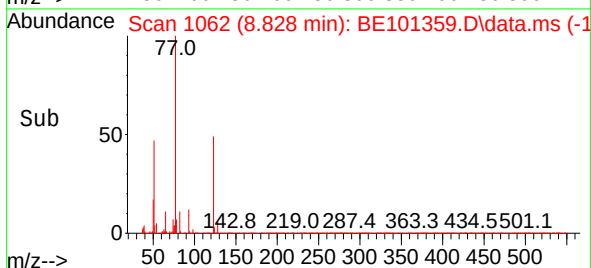
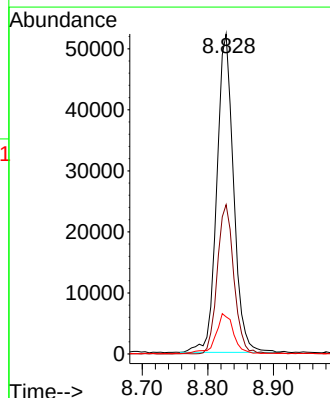
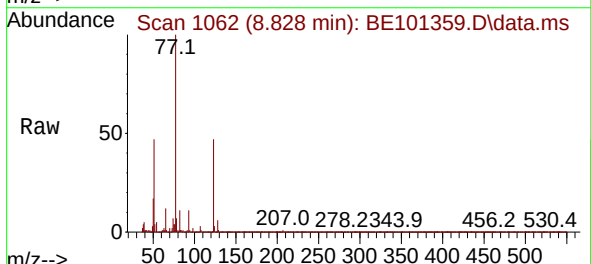
Tgt Ion: 77 Resp: 92383

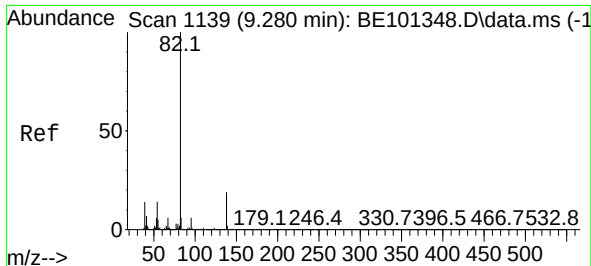
Ion Ratio Lower Upper

77 100

123 46.7 39.0 58.4

65 11.6 10.2 15.4





#25

Isophorone

Concen: 7.401 ng

RT: 9.280 min Scan# 1139

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

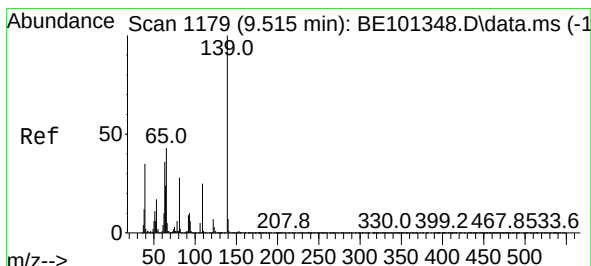
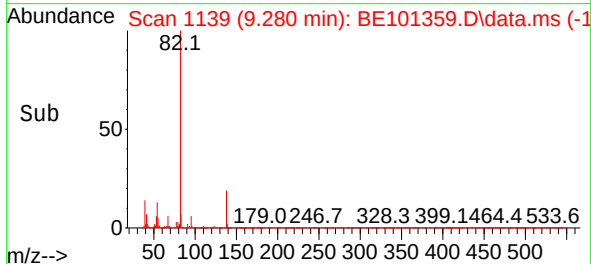
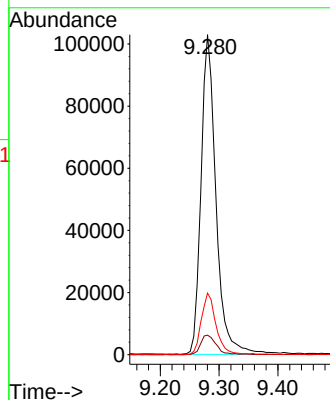
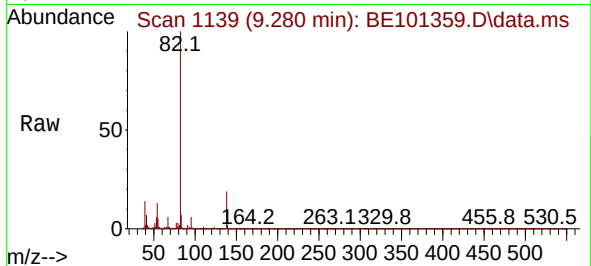
Tgt Ion: 82 Resp: 181923

Ion Ratio Lower Upper

82 100

95 6.1 5.2 7.8

138 19.3 15.0 22.6



#26

2-Nitrophenol

Concen: 6.477 ng

RT: 9.515 min Scan# 1179

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

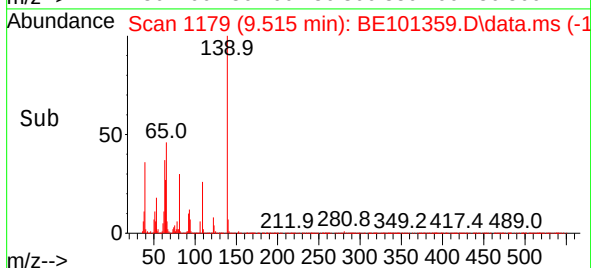
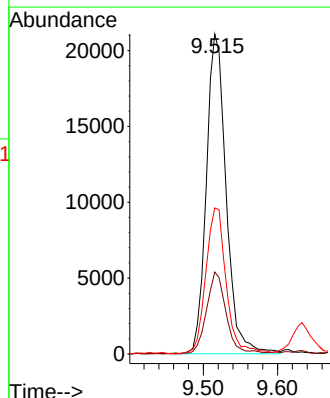
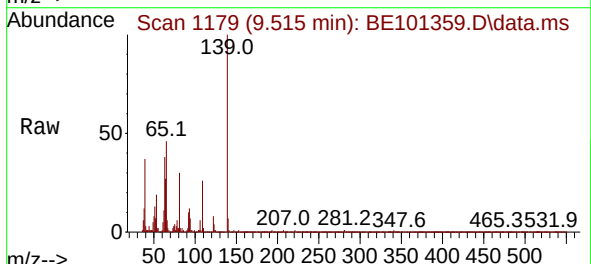
Tgt Ion:139 Resp: 39182

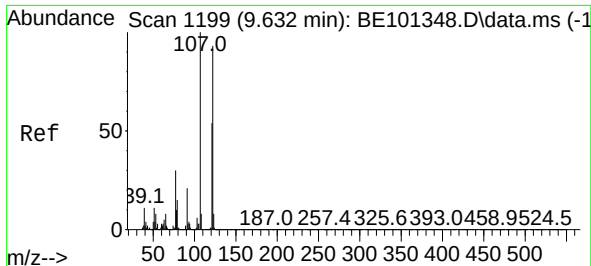
Ion Ratio Lower Upper

139 100

109 25.6 19.8 29.6

65 45.7 34.6 52.0

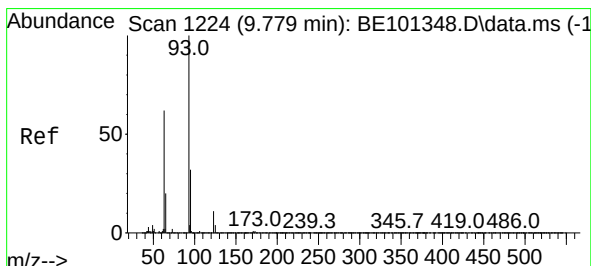
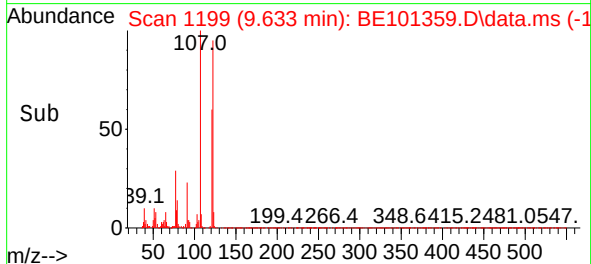
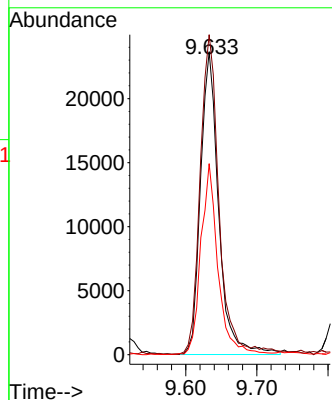
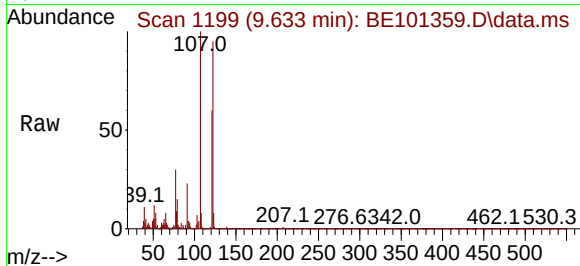




#27
2,4-Dimethylphenol
Concen: 5.414 ng
RT: 9.633 min Scan# 1199
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

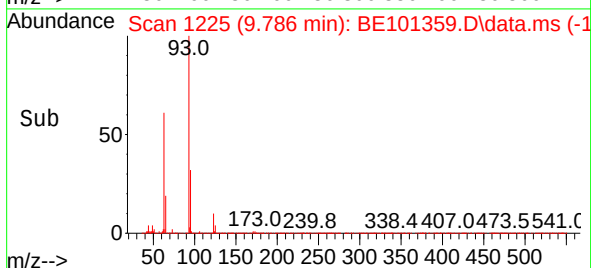
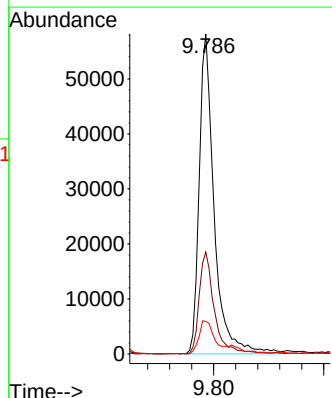
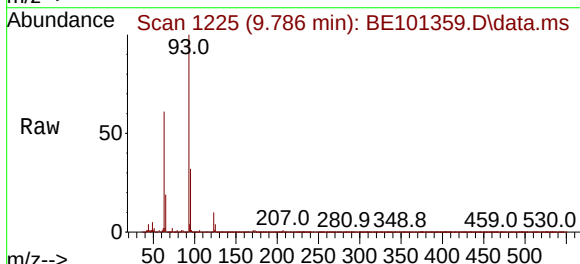
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

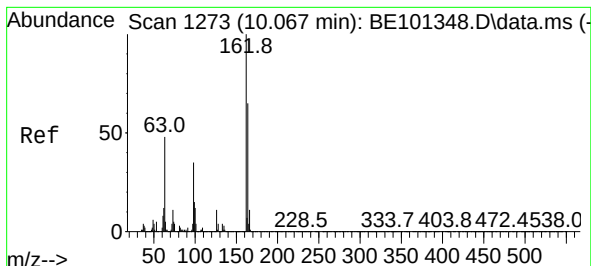
Tgt Ion:122 Resp: 42048
Ion Ratio Lower Upper
122 100
107 105.6 86.4 129.6
121 63.0 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 7.365 ng
RT: 9.786 min Scan# 1225
Delta R.T. 0.006 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion: 93 Resp: 109497
Ion Ratio Lower Upper
93 100
95 31.8 26.0 39.0
123 10.2 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 6.953 ng

RT: 10.062 min Scan# 1273

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

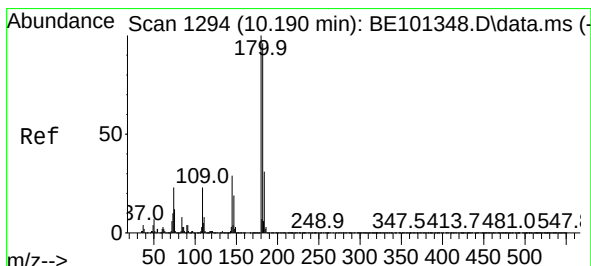
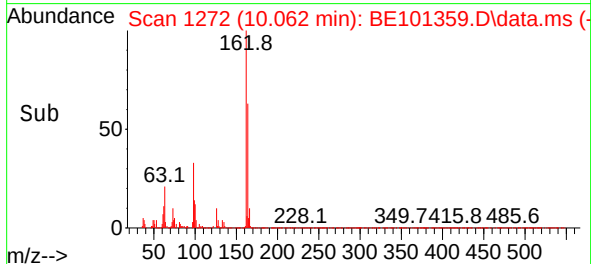
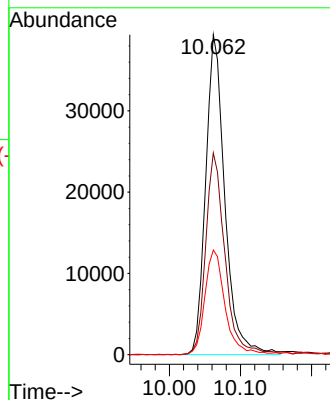
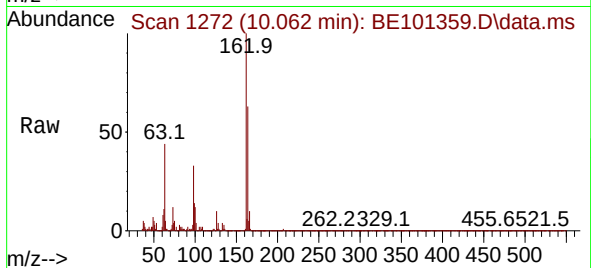
Tgt Ion:162 Resp: 73951

Ion Ratio Lower Upper

162 100

164 63.1 44.6 84.6

98 32.7 14.7 54.7



#30

1,2,4-Trichlorobenzene

Concen: 7.260 ng

RT: 10.185 min Scan# 1293

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

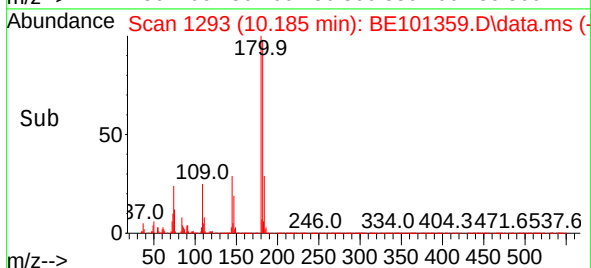
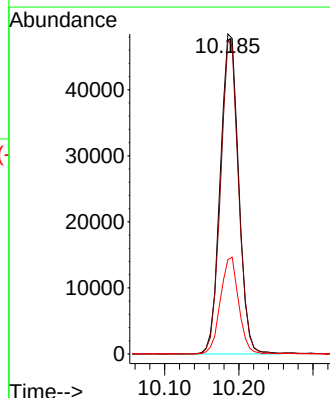
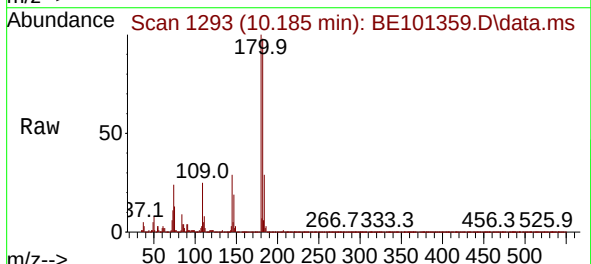
Tgt Ion:180 Resp: 83456

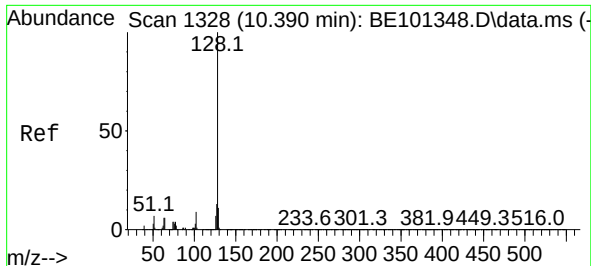
Ion Ratio Lower Upper

180 100

182 98.0 76.6 114.8

145 29.5 23.5 35.3

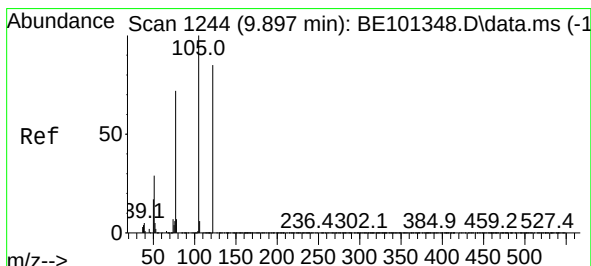
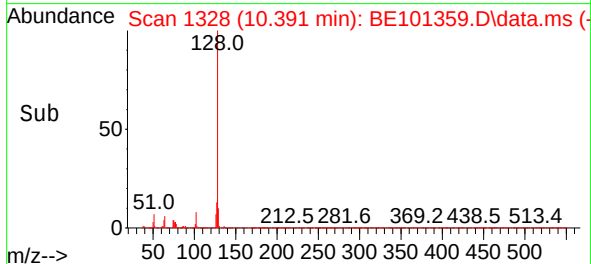
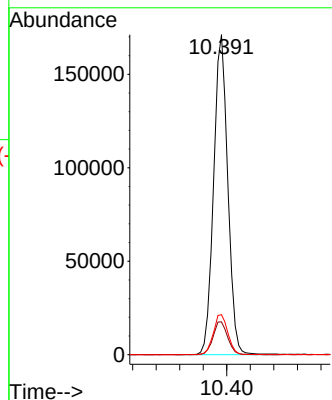
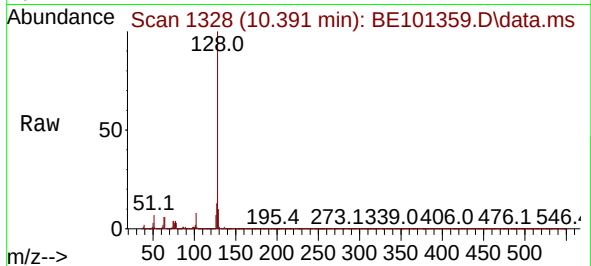




#31
Naphthalene
Concen: 7.415 ng
RT: 10.391 min Scan# 1238
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

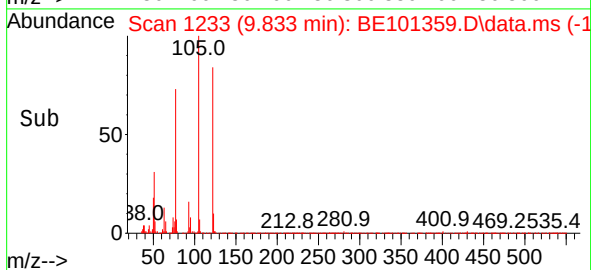
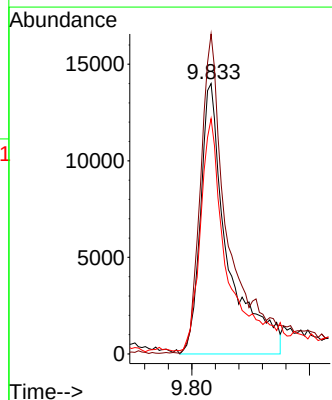
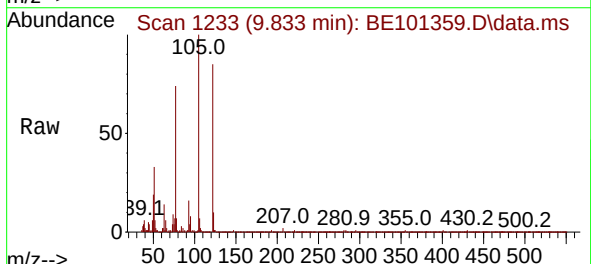
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

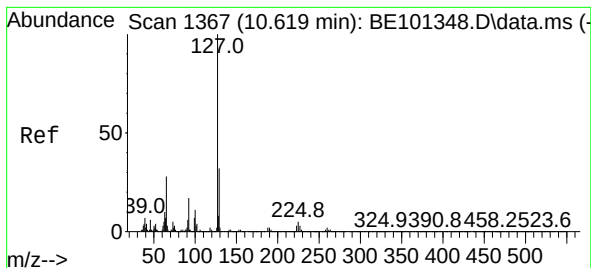
Tgt Ion:128 Resp: 284804
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 12.5 10.3 15.5



#32
Benzoic acid
Concen: 11.935 ng
RT: 9.833 min Scan# 1233
Delta R.T. -0.064 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:122 Resp: 44884
Ion Ratio Lower Upper
122 100
105 118.3 96.7 136.7
77 87.0 64.8 104.8





#33

4-Chloroaniline

Concen: 7.239 ng

RT: 10.620 min Scan# 1367

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:127 Resp: 106366

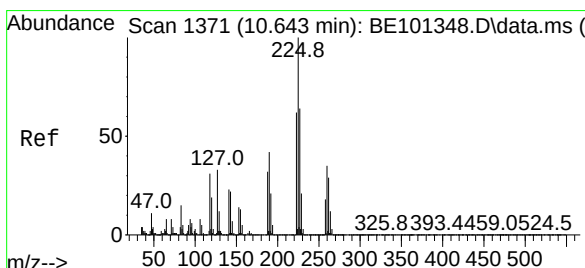
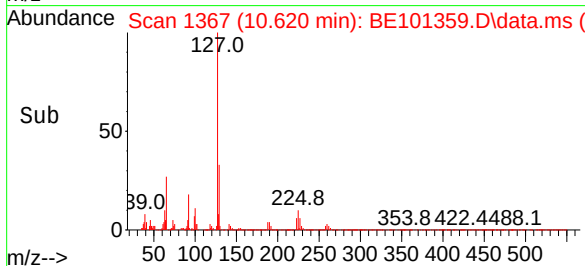
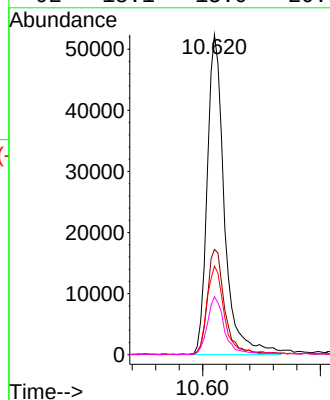
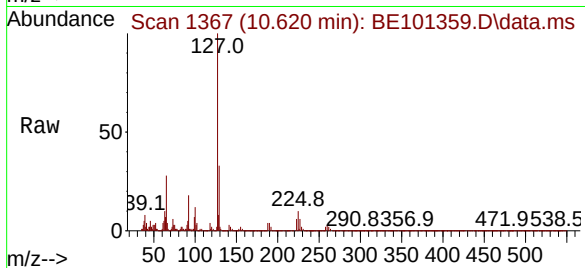
Ion Ratio Lower Upper

127 100

129 32.9 25.8 38.8

65 27.7 22.5 33.7

92 18.1 13.9 20.9



#34

Hexachlorobutadiene

Concen: 7.123 ng

RT: 10.638 min Scan# 1370

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

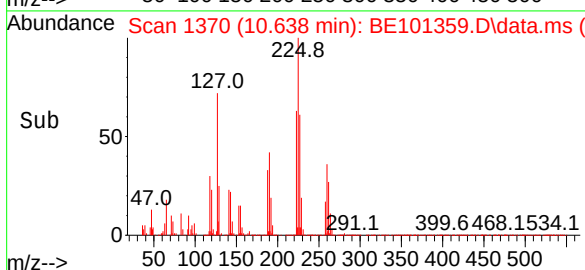
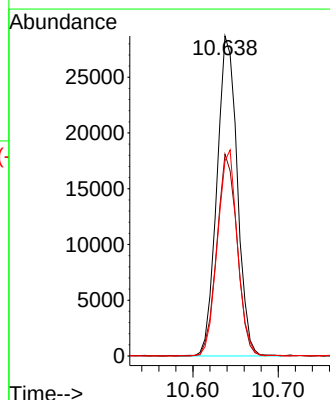
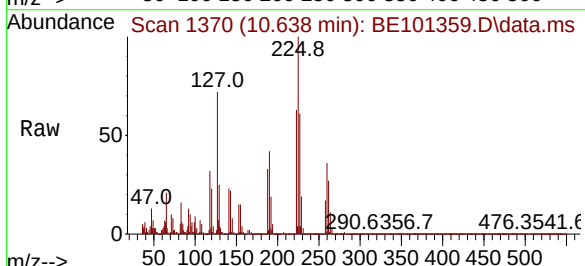
Tgt Ion:225 Resp: 47571

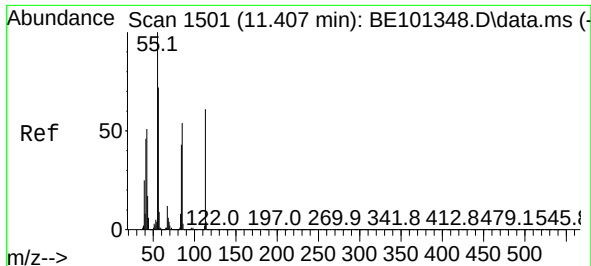
Ion Ratio Lower Upper

225 100

223 63.1 49.8 74.8

227 61.0 51.3 76.9

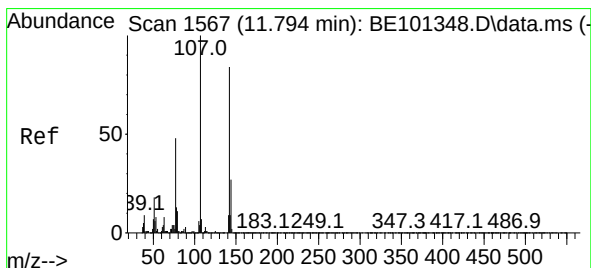
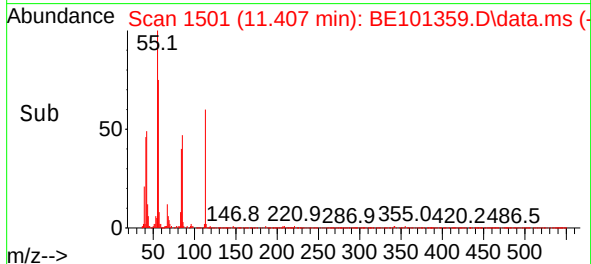
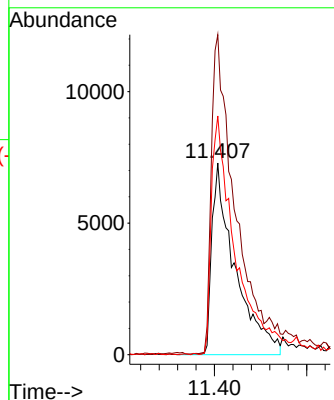
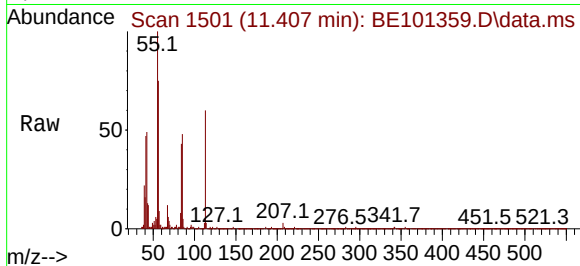




#35
Caprolactam
Concen: 5.920 ng
RT: 11.407 min Scan# 1501
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

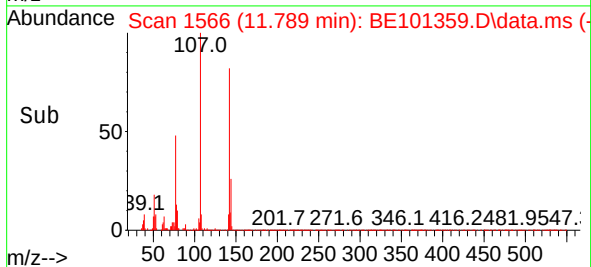
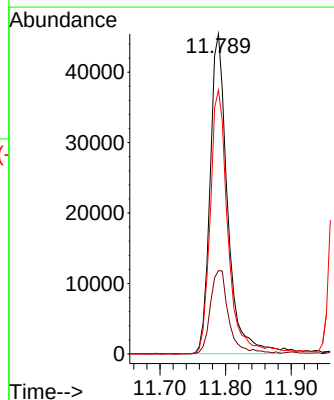
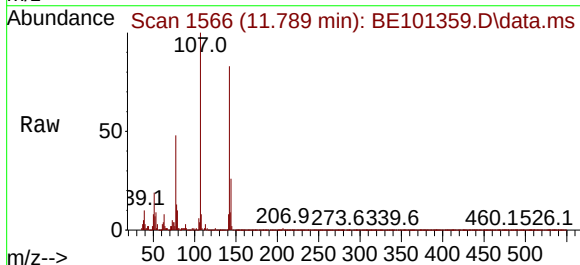
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

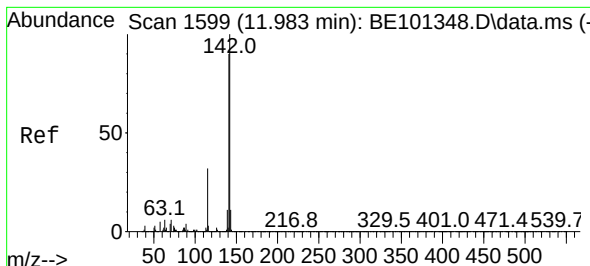
Tgt Ion:	113	Resp:	25435
Ion	Ratio	Lower	Upper
113	100		
55	166.9	144.8	184.8
56	124.5	99.3	139.3



#36
4-Chloro-3-methylphenol
Concen: 6.670 ng
RT: 11.789 min Scan# 1566
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:	107	Resp:	83822
Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.9	32.9
142	82.5	67.4	101.2





#37

2-Methylnaphthalene

Concen: 7.316 ng

RT: 11.977 min Scan# 1599

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

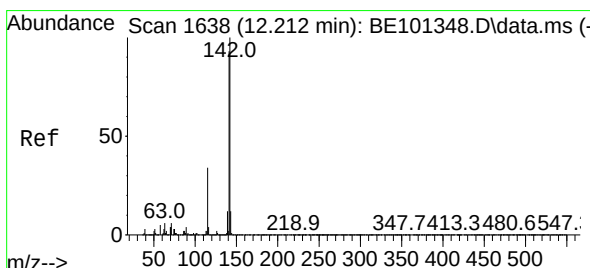
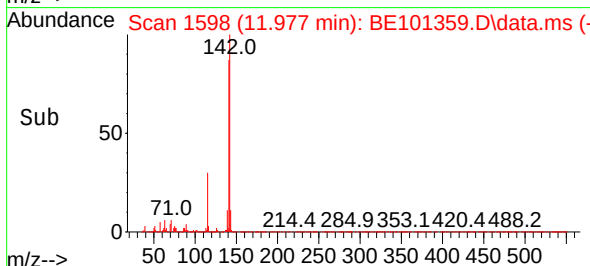
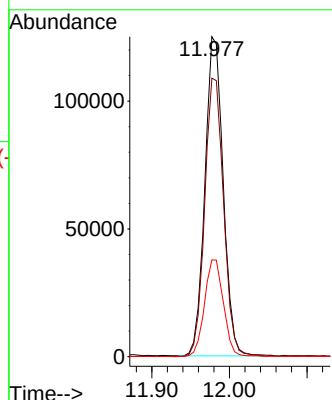
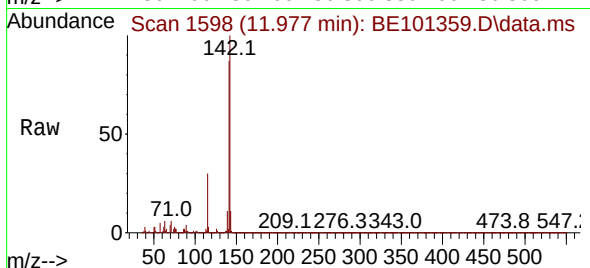
Tgt Ion:142 Resp: 205504

Ion Ratio Lower Upper

142 100

141 87.1 71.8 107.6

115 30.2 25.6 38.4



#38

1-Methylnaphthalene

Concen: 6.930 ng

RT: 12.206 min Scan# 1637

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

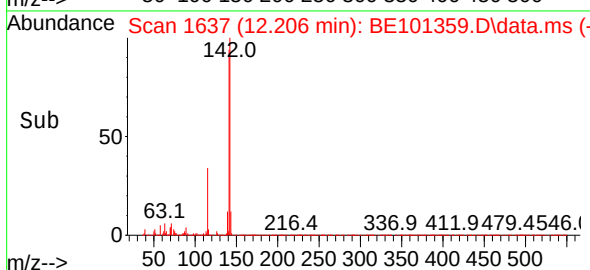
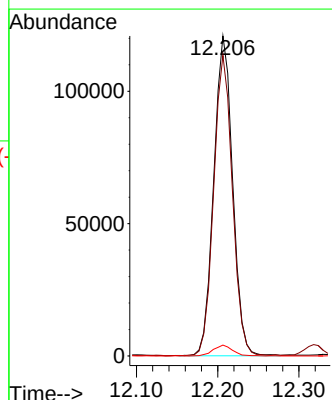
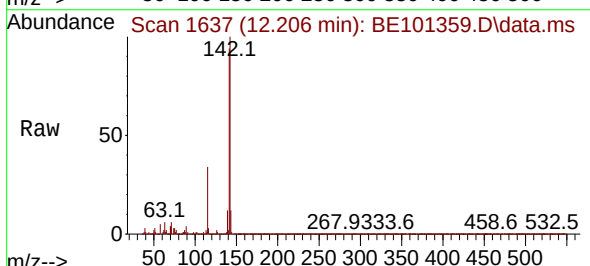
Tgt Ion:142 Resp: 195281

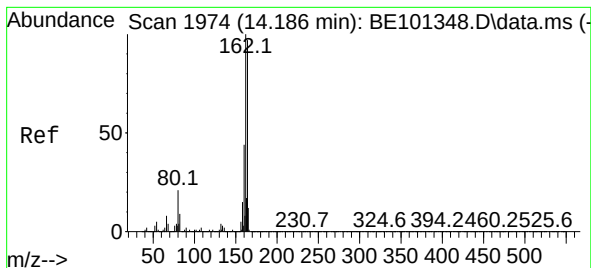
Ion Ratio Lower Upper

142 100

141 93.9 74.3 111.5

116 3.4 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.180 min Scan# 1

Delta R.T. -0.006 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

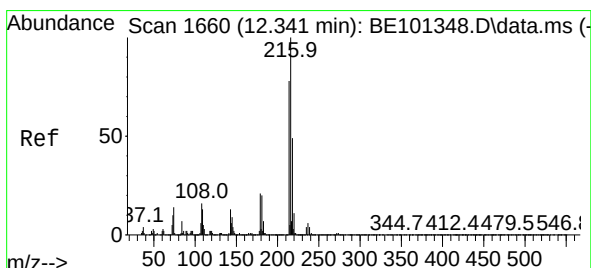
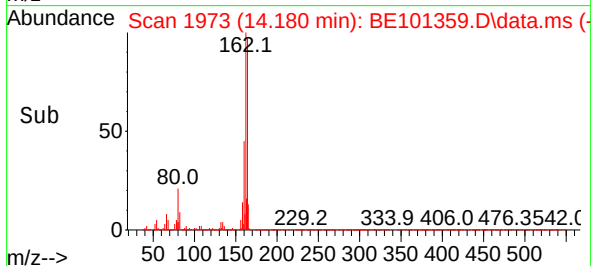
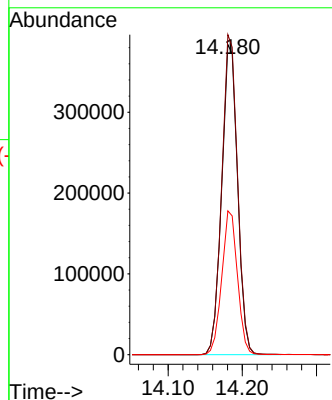
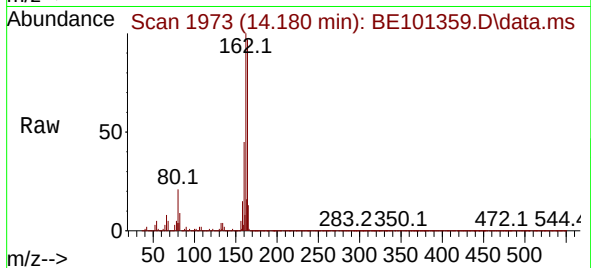
Tgt Ion:164 Resp: 570003

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

160 46.4 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.336 ng

RT: 12.336 min Scan# 1659

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:216 Resp: 100732

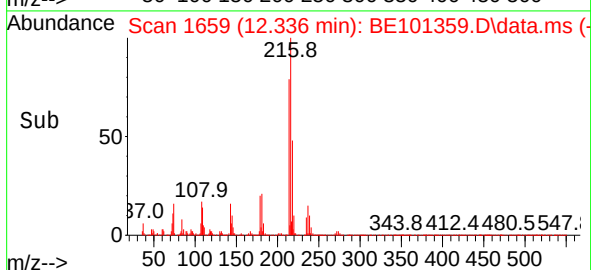
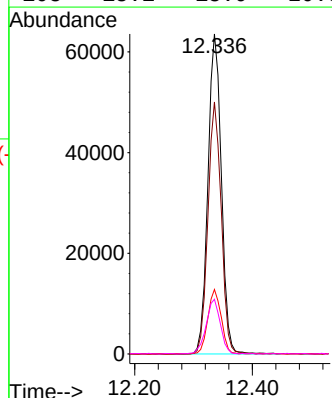
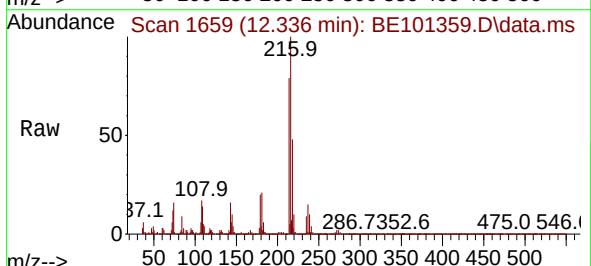
Ion Ratio Lower Upper

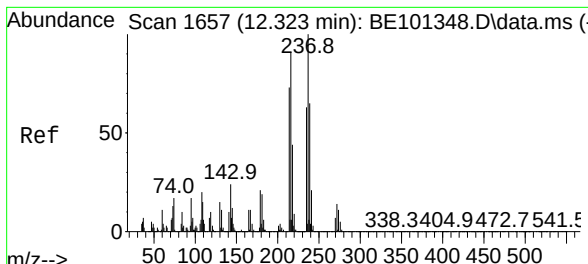
216 100

214 77.8 62.6 94.0

179 20.0 16.9 25.3

108 18.1 13.9 20.9

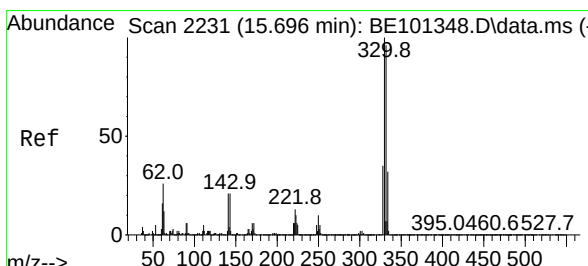
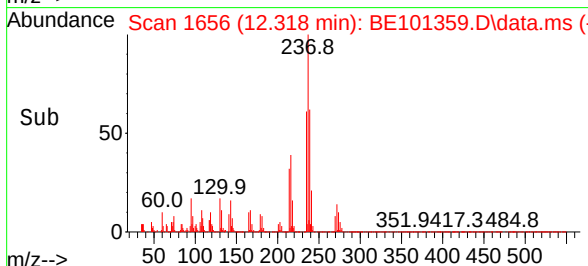
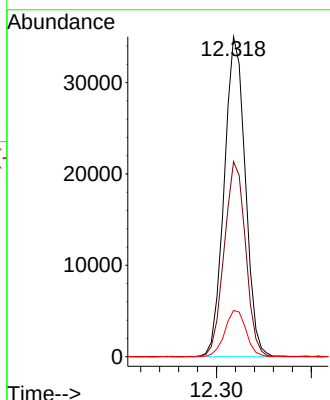
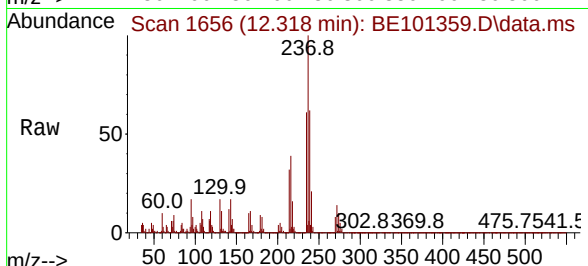




#41
 Hexachlorocyclopentadiene
 Concen: 11.977 ng
 RT: 12.318 min Scan# 1656
 Delta R.T. -0.005 min
 Lab File: BE101359.D
 Acq: 18 Sep 2024 12:21

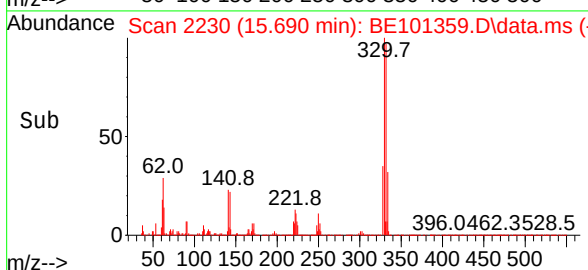
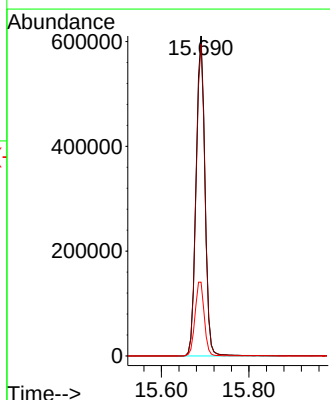
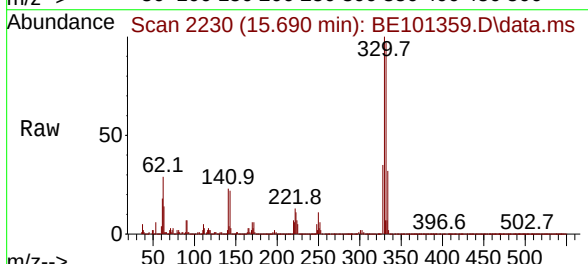
Instrument : BNA_E
 ClientSampleId : LOQ-SOIL-02-QT2-2024

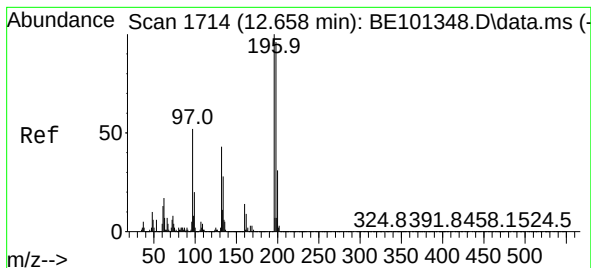
Tgt Ion:	237	Resp:	54037
Ion Ratio	Lower	Upper	
237	100		
235	61.0	42.9	82.9
272	14.5	0.0	34.0



#42
 2,4,6-Tribromophenol
 Concen: 90.526 ng
 RT: 15.690 min Scan# 2230
 Delta R.T. -0.005 min
 Lab File: BE101359.D
 Acq: 18 Sep 2024 12:21

Tgt Ion:	330	Resp:	867893
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.8	116.8
141	23.9	19.1	28.7





#43

2,4,6-Trichlorophenol

Concen: 6.700 ng

RT: 12.659 min Scan# 1

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

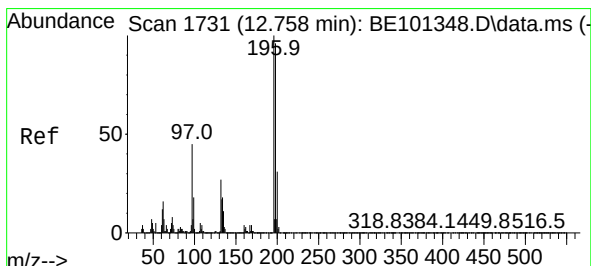
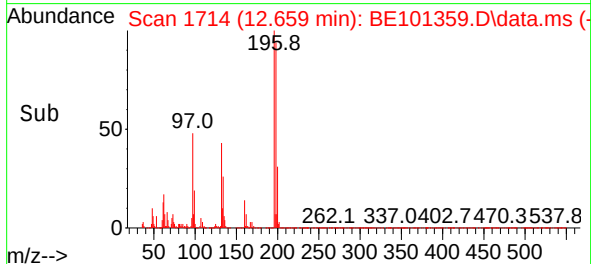
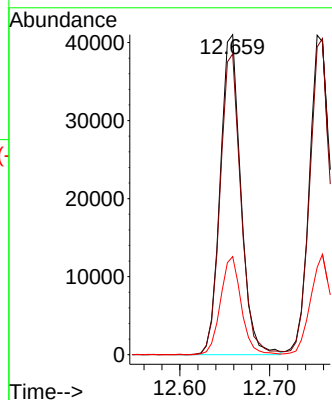
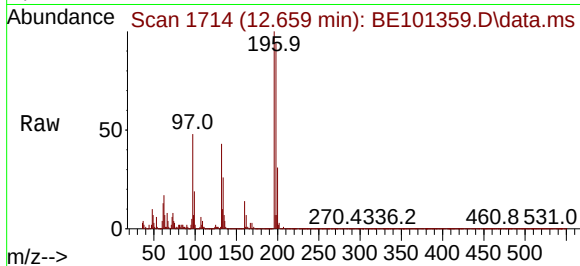
Tgt Ion:196 Resp: 65151

Ion Ratio Lower Upper

196 100

198 94.0 76.8 115.2

200 30.7 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 6.464 ng

RT: 12.753 min Scan# 1730

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:196 Resp: 70924

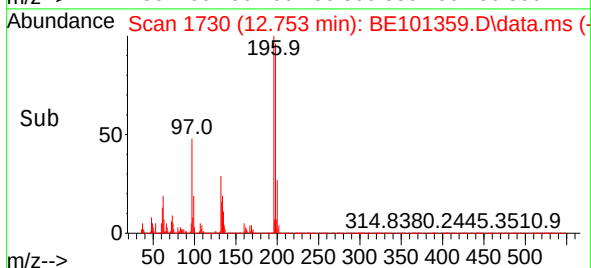
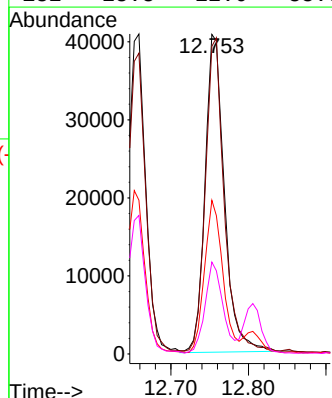
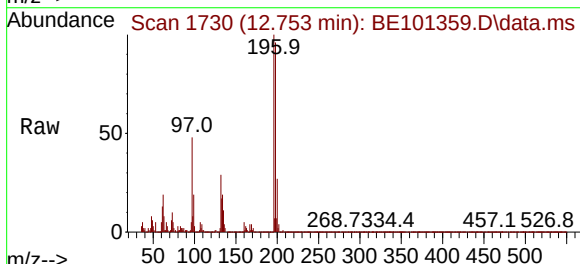
Ion Ratio Lower Upper

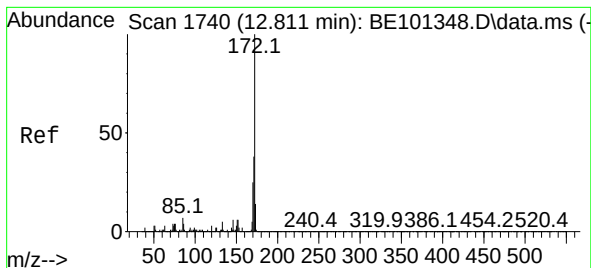
196 100

198 96.3 76.9 115.3

97 48.1 36.2 54.2

132 28.8 22.0 33.0





#45

2-Fluorobiphenyl

Concen: 63.737 ng

RT: 12.806 min Scan# 1739

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

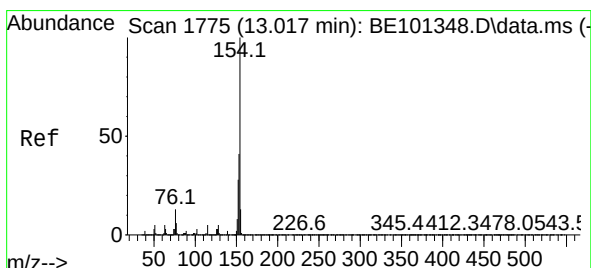
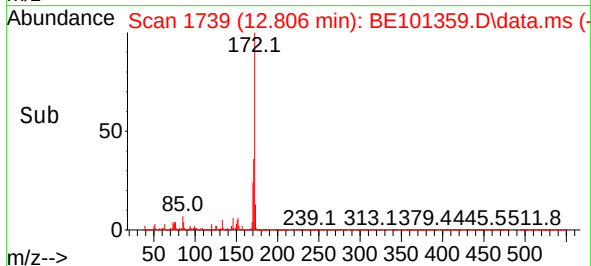
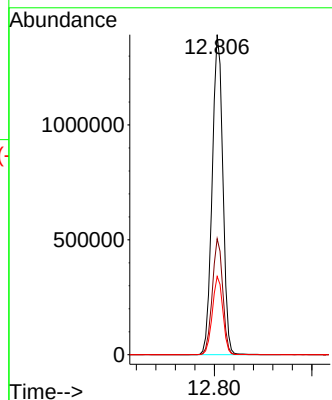
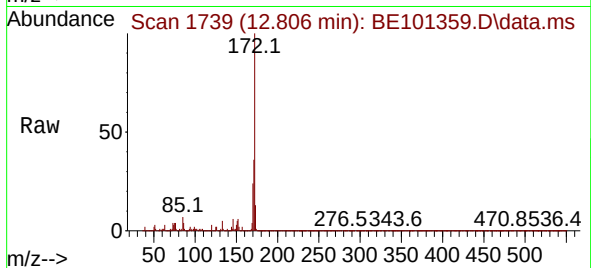
Tgt Ion:172 Resp: 2102379

Ion Ratio Lower Upper

172 100

171 36.3 30.2 45.2

170 24.5 20.2 30.4



#46

1,1'-Biphenyl

Concen: 7.581 ng

RT: 13.011 min Scan# 1774

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

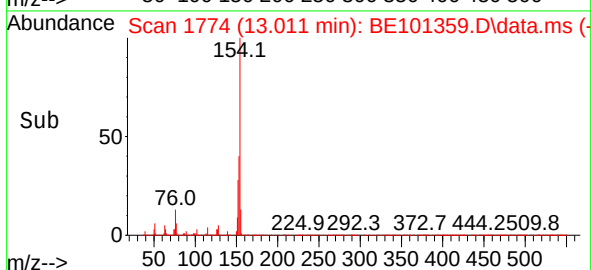
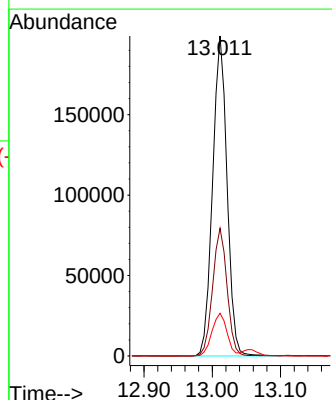
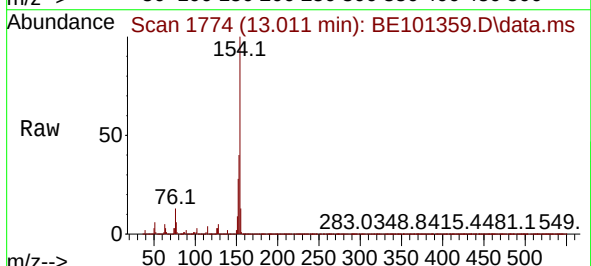
Tgt Ion:154 Resp: 292840

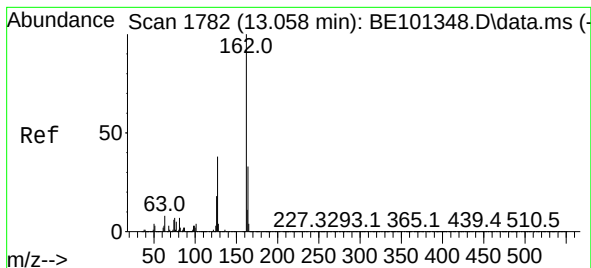
Ion Ratio Lower Upper

154 100

153 39.9 21.2 61.2

76 13.3 0.0 33.4





#47

2-Chloronaphthalene

Concen: 7.121 ng

RT: 13.058 min Scan# 1

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

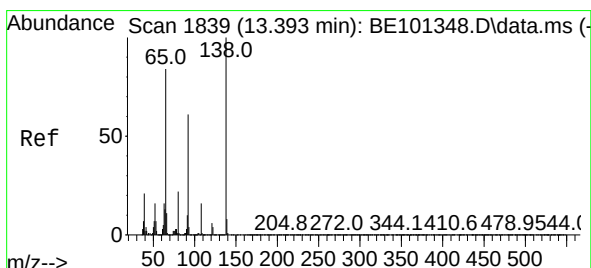
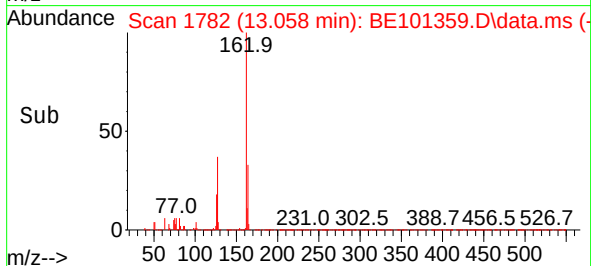
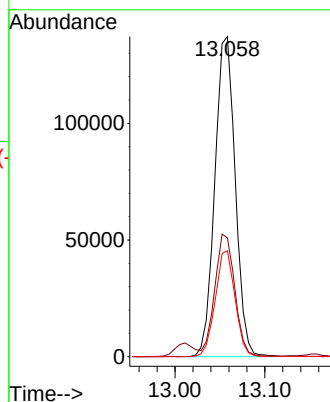
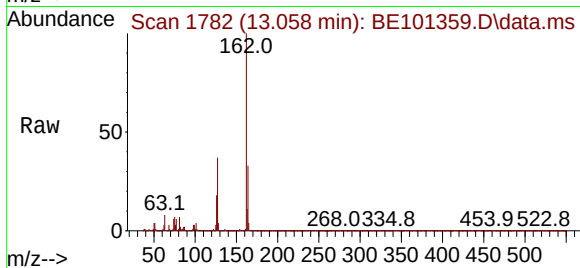
Tgt Ion:162 Resp: 216362

Ion Ratio Lower Upper

162 100

127 37.2 31.2 46.8

164 33.1 26.2 39.2



#48

2-Nitroaniline

Concen: 6.274 ng

RT: 13.387 min Scan# 1838

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

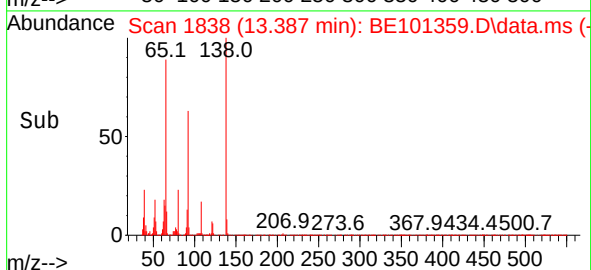
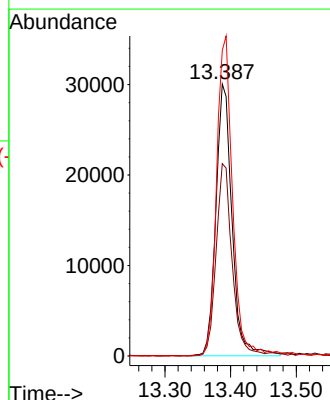
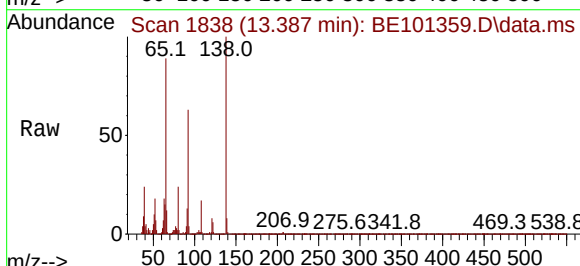
Tgt Ion: 65 Resp: 51292

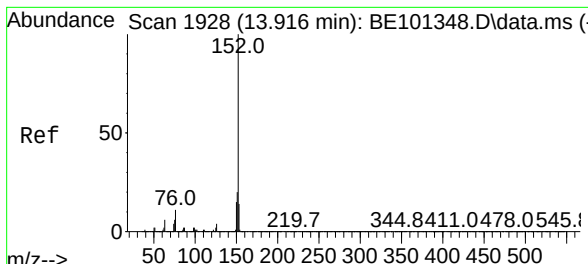
Ion Ratio Lower Upper

65 100

92 70.7 58.3 87.5

138 112.3 95.0 142.4

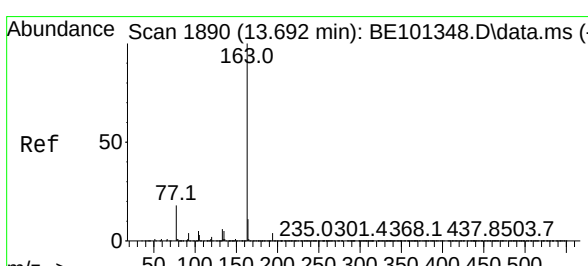
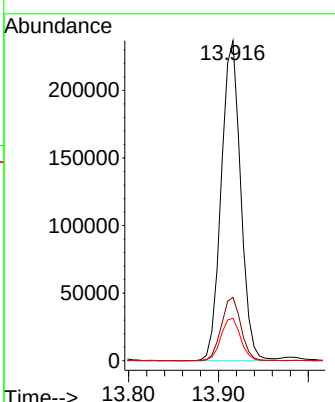
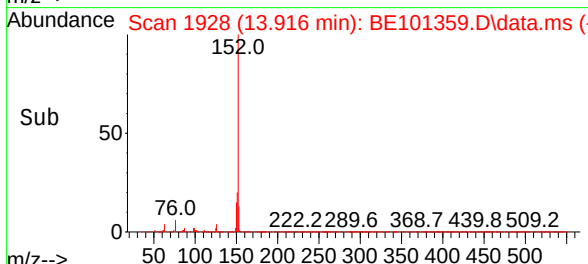
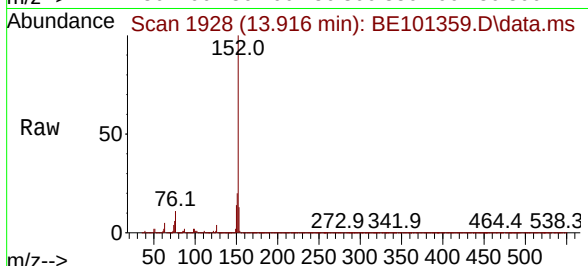




#49
 Acenaphthylene
 Concen: 7.830 ng
 RT: 13.916 min Scan# 1928
 Delta R.T. 0.001 min
 Lab File: BE101359.D
 Acq: 18 Sep 2024 12:21

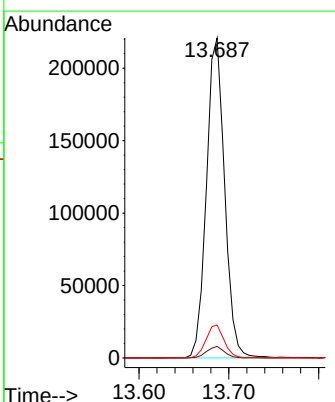
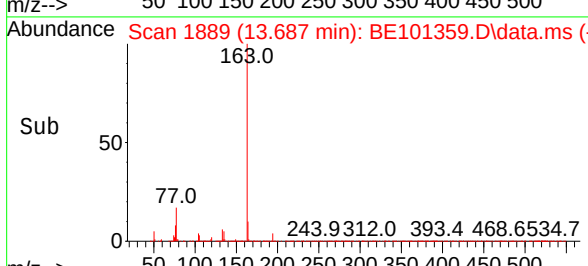
Instrument : BNA_E
 ClientSampleId : LOQ-SOIL-02-QT2-2024

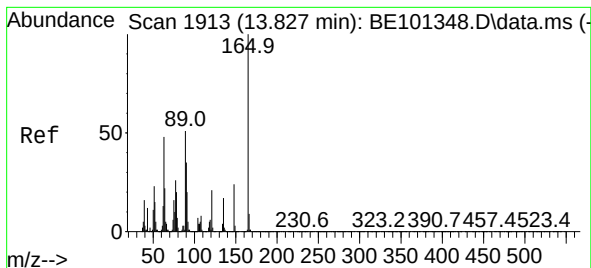
Tgt Ion:	152	Resp:	355017
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.4	24.6
153	13.3	11.1	16.7



#50
 Dimethylphthalate
 Concen: 7.542 ng
 RT: 13.687 min Scan# 1889
 Delta R.T. -0.005 min
 Lab File: BE101359.D
 Acq: 18 Sep 2024 12:21

Tgt Ion:	163	Resp:	310215
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.0	4.4
164	10.3	8.5	12.7





#51

2,6-Dinitrotoluene

Concen: 6.463 ng

RT: 13.822 min Scan# 1913

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

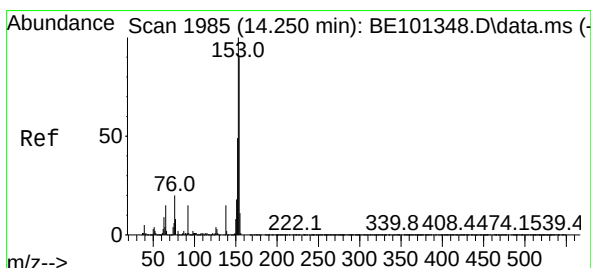
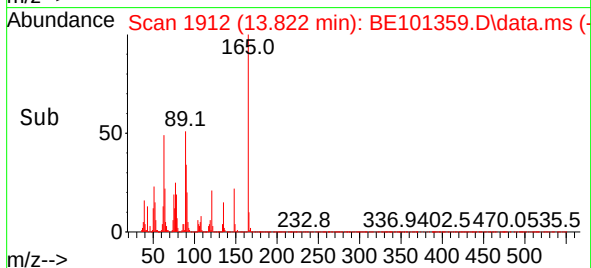
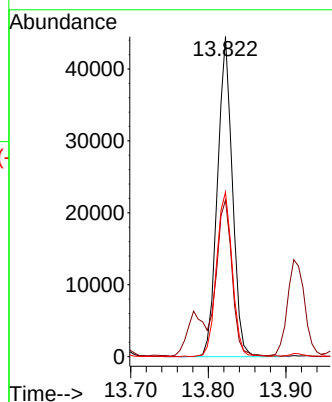
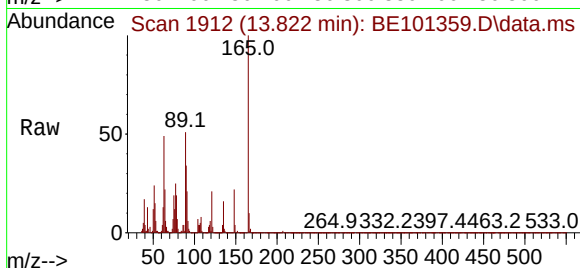
Tgt Ion:165 Resp: 59489

Ion Ratio Lower Upper

165 100

63 48.9 38.5 57.7

89 51.4 40.5 60.7



#52

Acenaphthene

Concen: 7.160 ng

RT: 14.245 min Scan# 1984

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

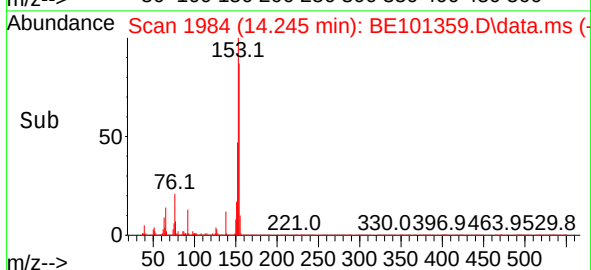
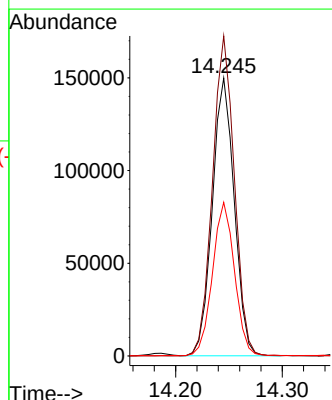
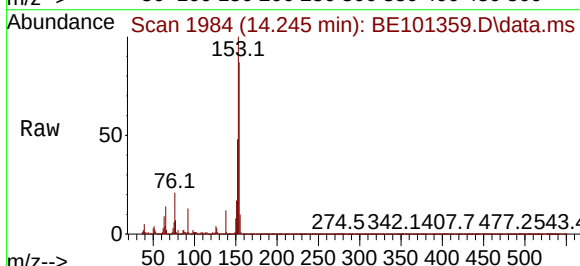
Tgt Ion:154 Resp: 213985

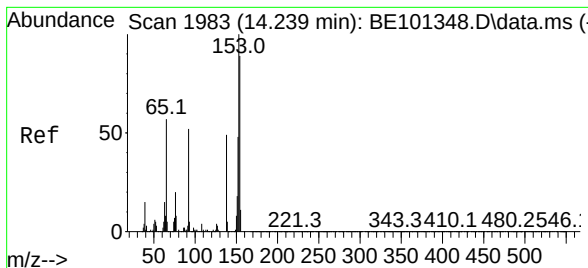
Ion Ratio Lower Upper

154 100

153 115.1 88.8 133.2

152 55.3 43.2 64.8





#53

3-Nitroaniline

Concen: 6.400 ng

RT: 14.233 min Scan# 10

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

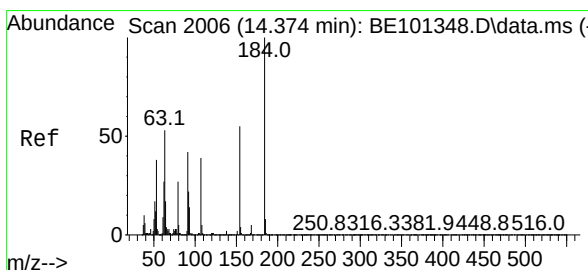
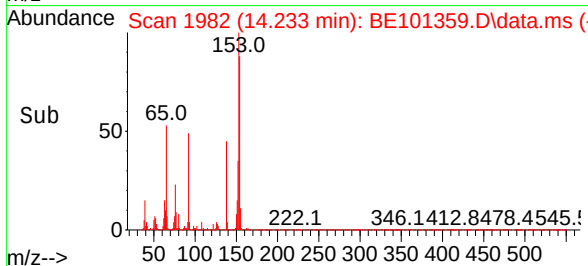
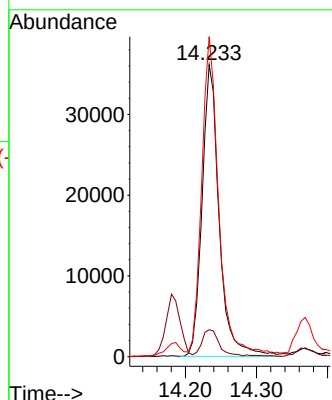
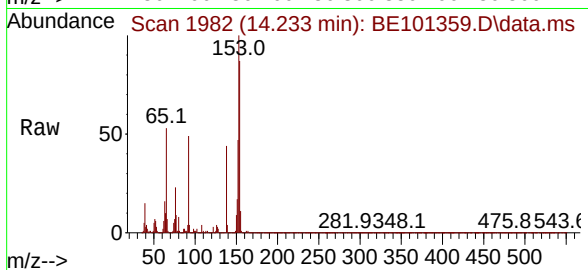
Tgt Ion:138 Resp: 60602

Ion Ratio Lower Upper

138 100

108 9.2 7.2 10.8

92 109.6 85.7 128.5



#54

2,4-Dinitrophenol

Concen: 5.916 ng

RT: 14.368 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

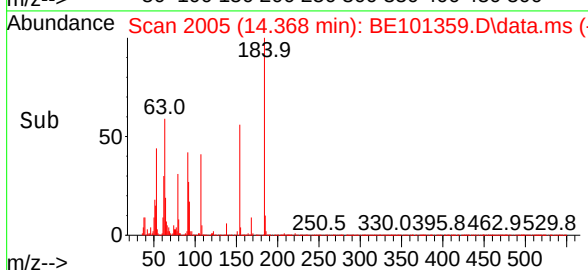
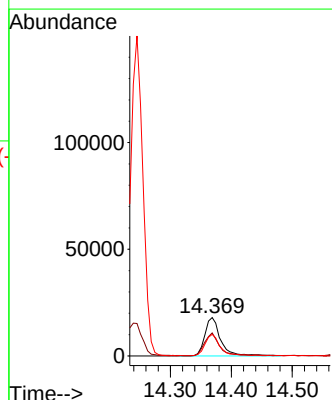
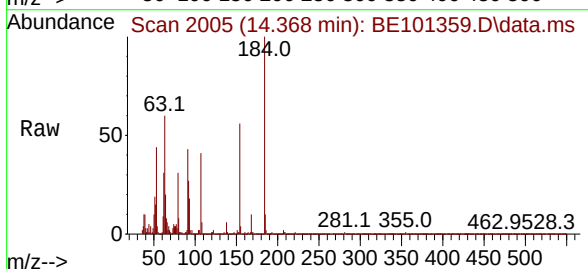
Tgt Ion:184 Resp: 32418

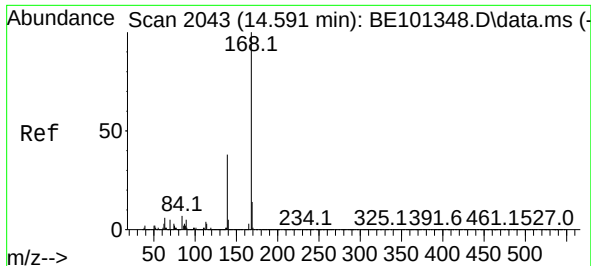
Ion Ratio Lower Upper

184 100

63 60.2 42.5 63.7

154 56.4 44.2 66.2





#55

Dibenzenofuran

Concen: 7.617 ng

RT: 14.586 min Scan# 2042

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

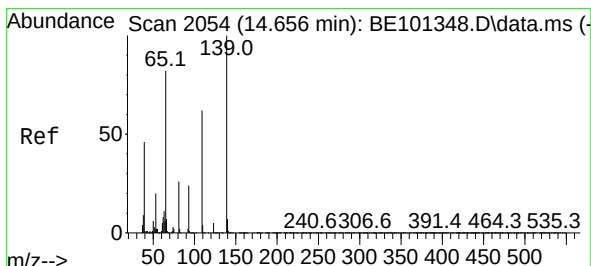
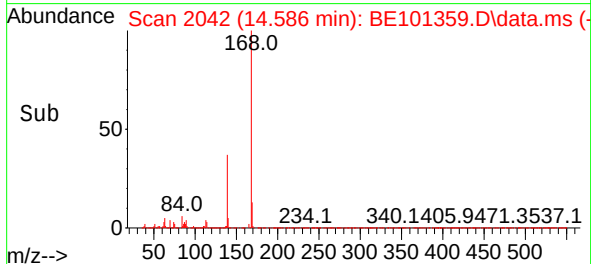
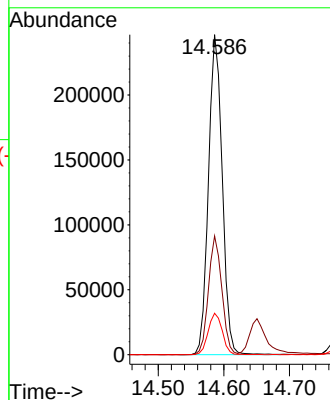
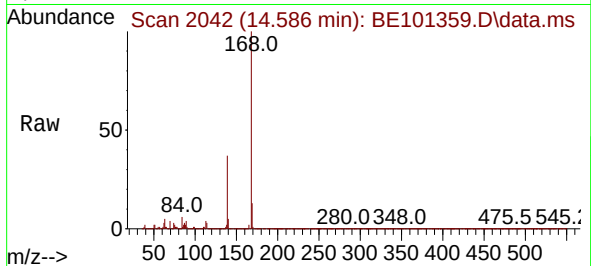
Tgt Ion:168 Resp: 359571

Ion Ratio Lower Upper

168 100

139 37.1 30.5 45.7

169 12.9 11.4 17.2



#56

4-Nitrophenol

Concen: 6.157 ng

RT: 14.651 min Scan# 2053

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

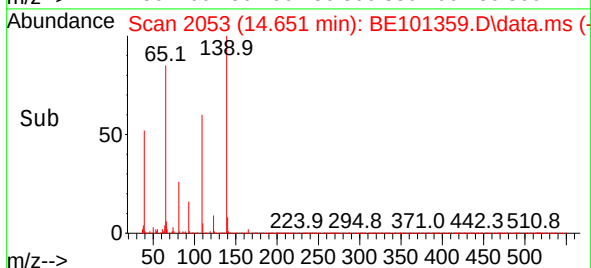
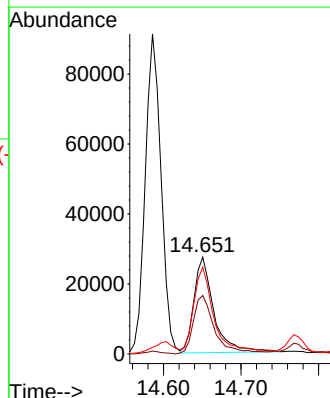
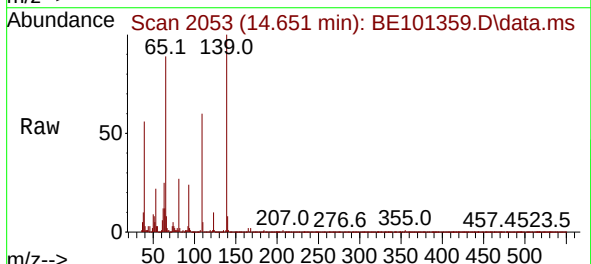
Tgt Ion:139 Resp: 48464

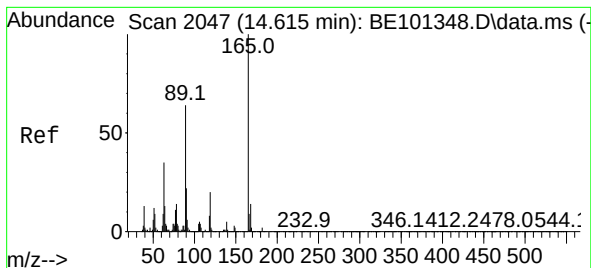
Ion Ratio Lower Upper

139 100

109 60.3 41.9 81.9

65 89.5 63.0 103.0





#57

2,4-Dinitrotoluene

Concen: 6.276 ng

RT: 14.604 min Scan# 2045

Delta R.T. -0.011 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:165 Resp: 78637

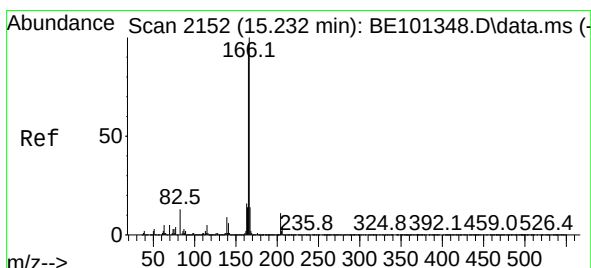
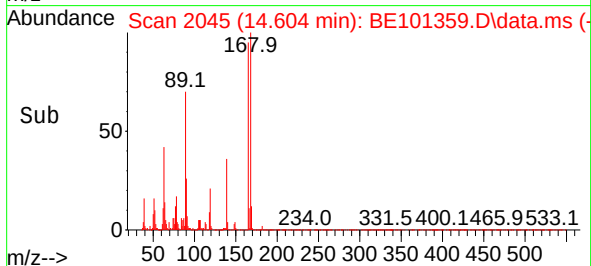
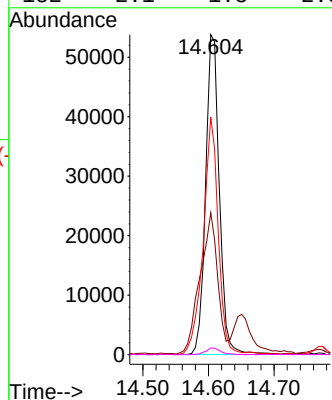
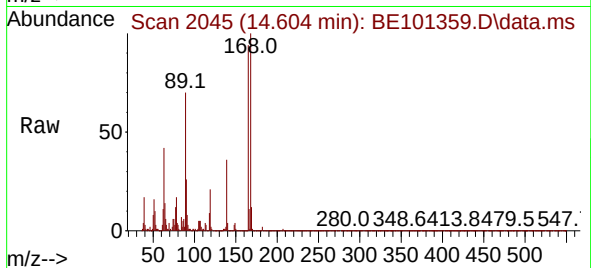
Ion Ratio Lower Upper

165 100

63 44.3 28.4 42.6#

89 74.2 51.0 76.4

182 2.1 1.8 2.8



#58

Fluorene

Concen: 7.501 ng

RT: 15.226 min Scan# 2151

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

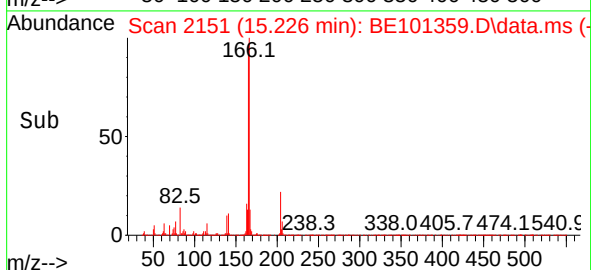
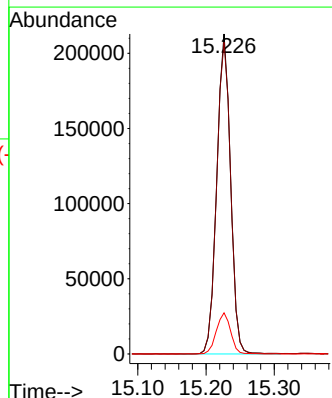
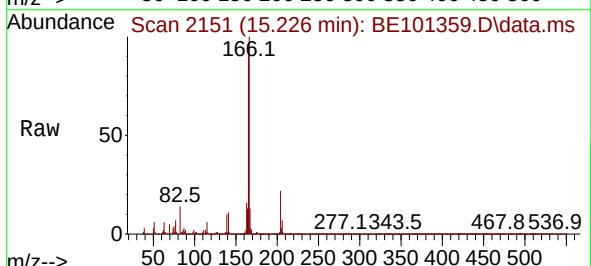
Tgt Ion:166 Resp: 298345

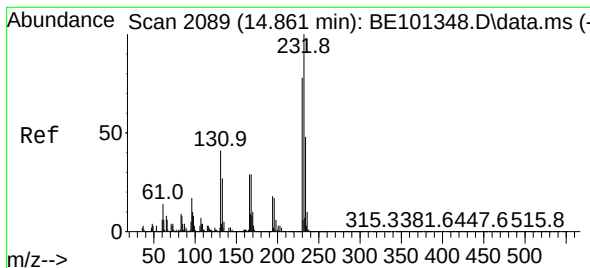
Ion Ratio Lower Upper

166 100

165 97.4 77.8 116.8

167 12.9 11.0 16.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.215 ng

RT: 14.856 min Scan# 2089

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:232 Resp: 74861

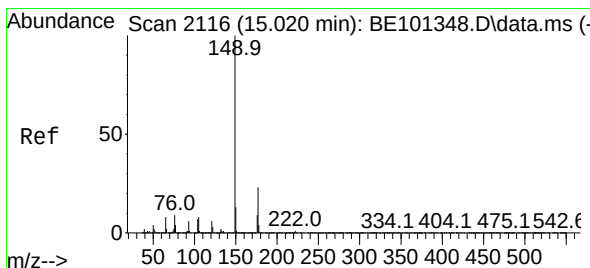
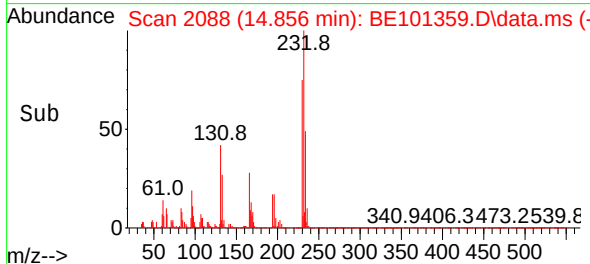
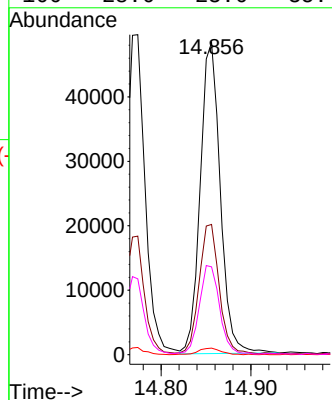
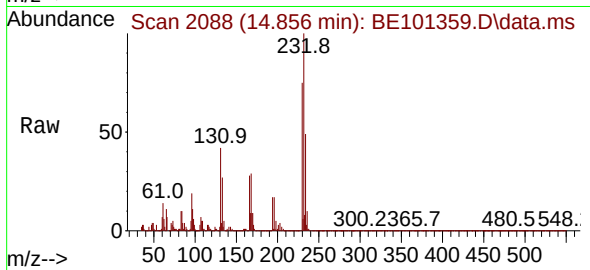
Ion Ratio Lower Upper

232 100

131 41.8 34.2 51.4

130 2.4 1.8 2.6

166 28.6 23.6 35.4



#60

Diethylphthalate

Concen: 7.639 ng

RT: 15.015 min Scan# 2115

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

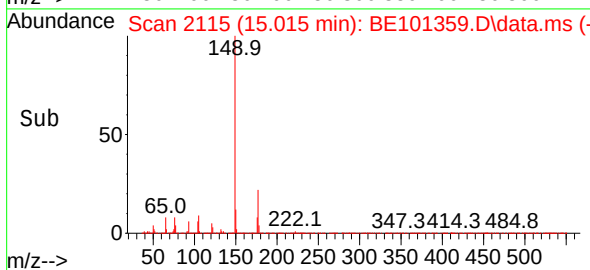
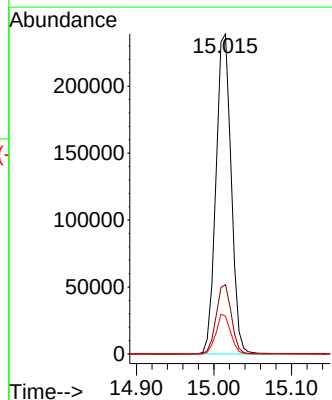
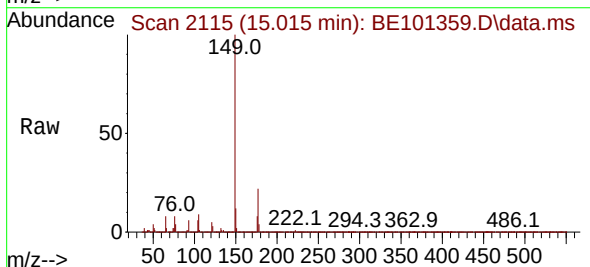
Tgt Ion:149 Resp: 325966

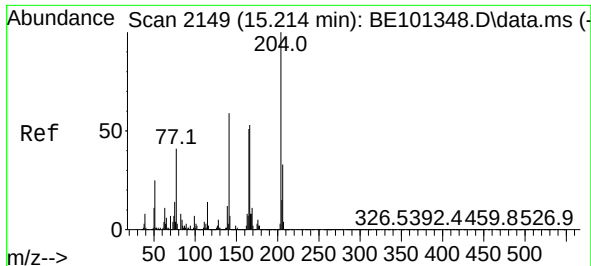
Ion Ratio Lower Upper

149 100

177 21.7 18.4 27.6

150 11.8 10.0 15.0

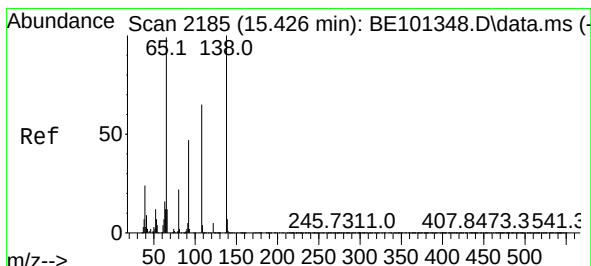
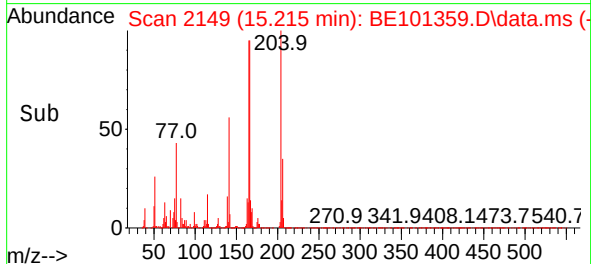
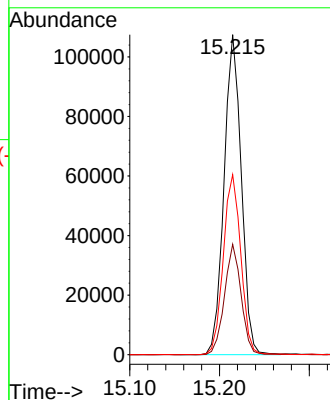
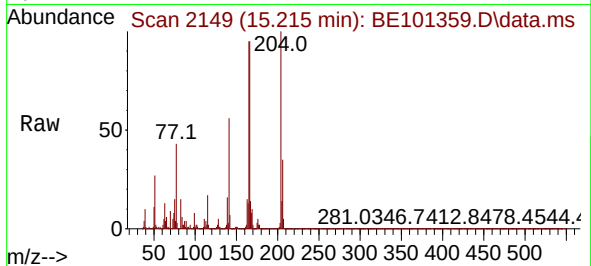




#61
4-Chlorophenyl-phenylether
Concen: 7.346 ng
RT: 15.215 min Scan# 2149
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

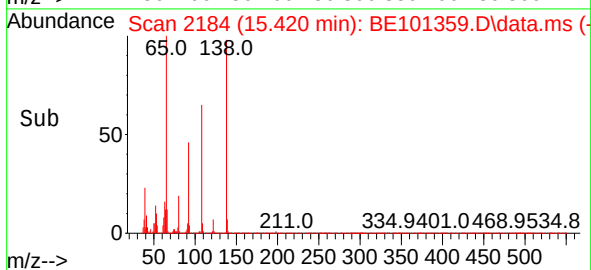
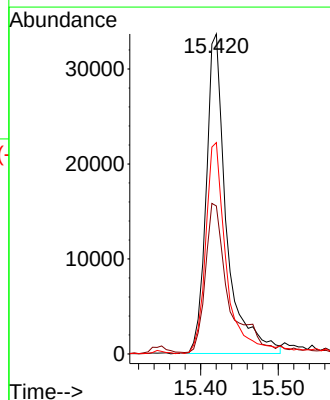
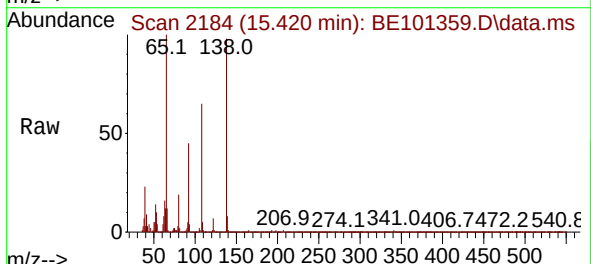
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

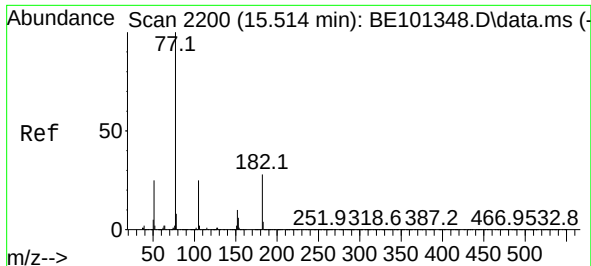
Tgt Ion:204 Resp: 143325
Ion Ratio Lower Upper
204 100
206 34.5 26.2 39.2
141 56.3 47.2 70.8



#62
4-Nitroaniline
Concen: 6.194 ng
RT: 15.420 min Scan# 2184
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:138 Resp: 61124
Ion Ratio Lower Upper
138 100
92 46.3 26.8 66.8
108 66.0 44.7 84.7

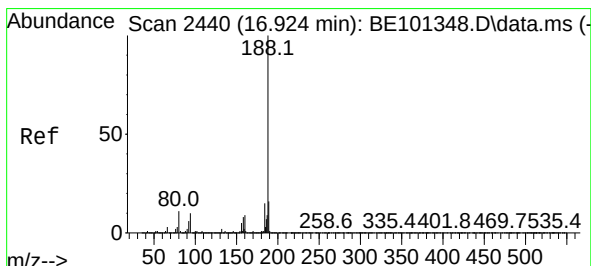
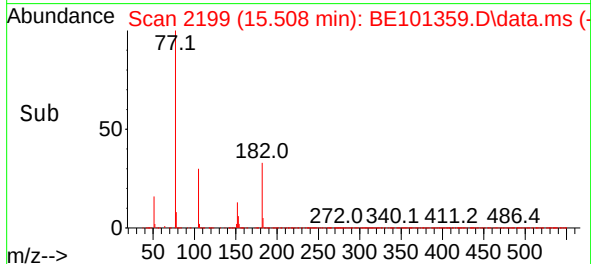
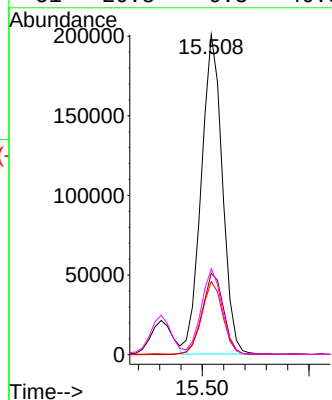
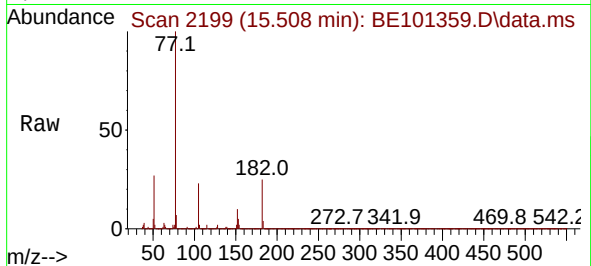




#63
Azobenzene
Concen: 7.581 ng
RT: 15.508 min Scan# 21
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

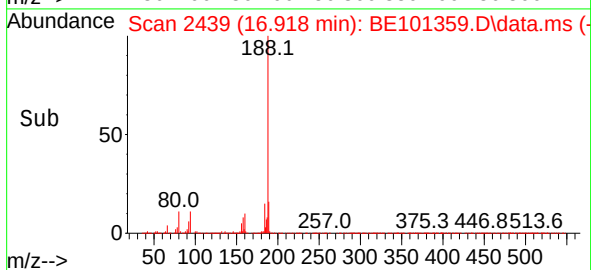
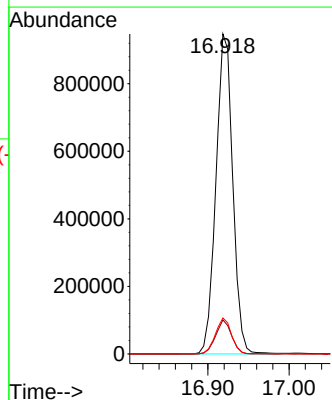
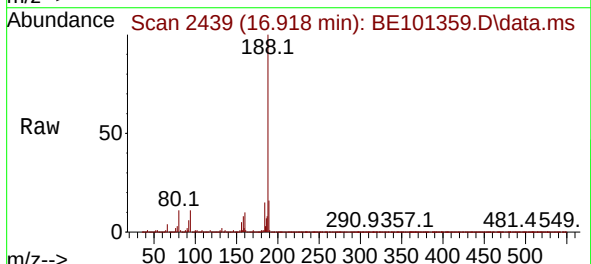
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

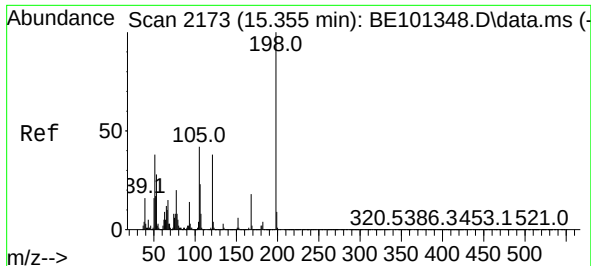
Tgt Ion: 77	Resp: 276451
Ion Ratio	Lower Upper
77 100	
182 25.5	7.8 47.8
105 22.9	4.3 44.3
51 26.8	6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.918 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:188	Resp: 1361167		
Ion Ratio	Lower	Upper	
188 100			
94 10.7	8.2	12.2	
80 11.3	8.6	13.0	





#65

4,6-Dinitro-2-methylphenol

Concen: 7.341 ng

RT: 15.350 min Scan# 2173

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

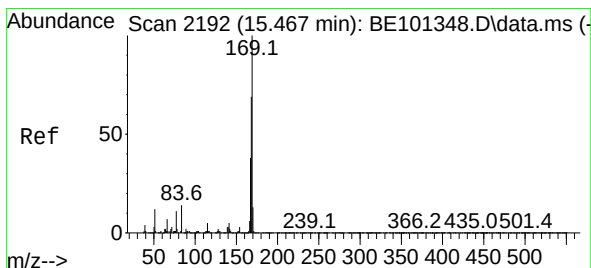
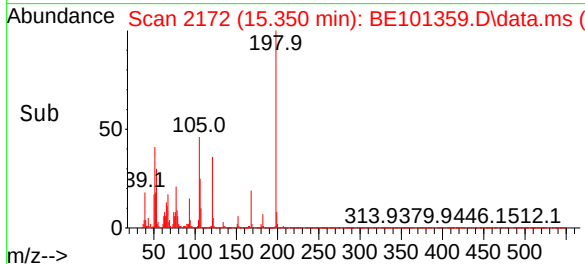
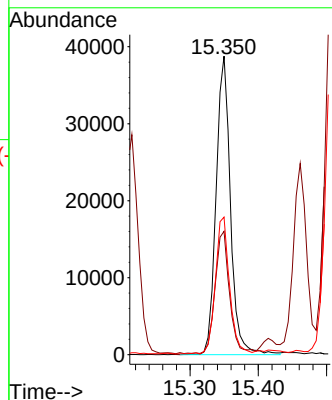
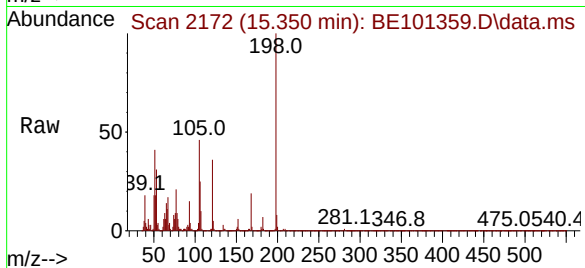
Tgt Ion:198 Resp: 56739

Ion Ratio Lower Upper

198 100

51 41.3 18.1 58.1

105 46.1 22.0 62.0



#66

n-Nitrosodiphenylamine

Concen: 7.358 ng

RT: 15.461 min Scan# 2191

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

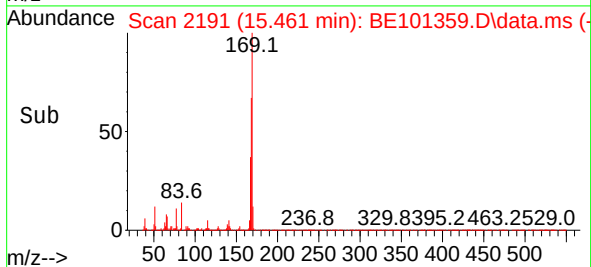
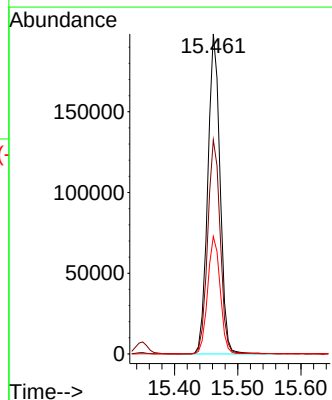
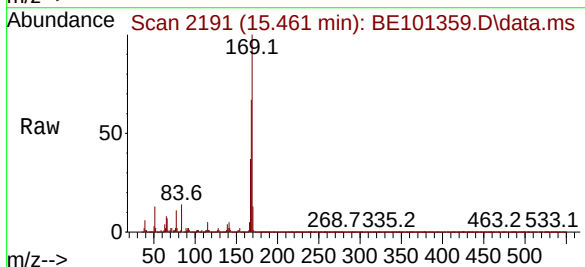
Tgt Ion:169 Resp: 266973

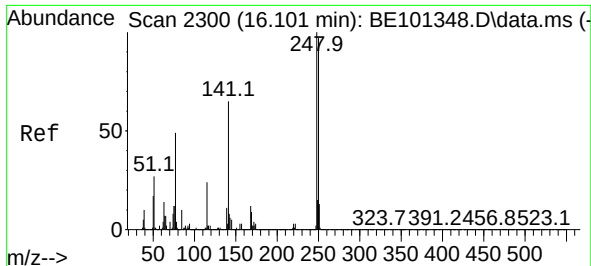
Ion Ratio Lower Upper

169 100

168 66.9 55.1 82.7

167 36.7 30.5 45.7

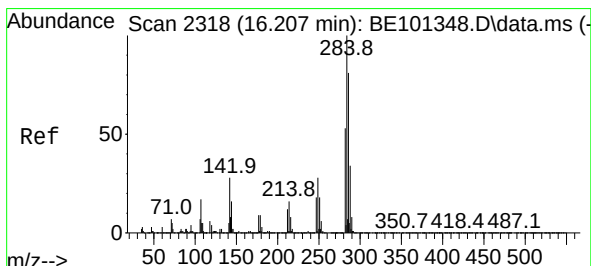
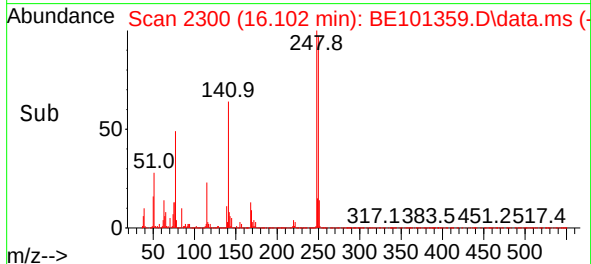
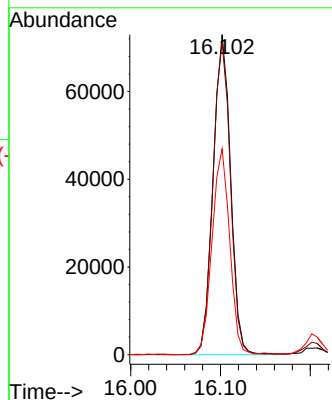
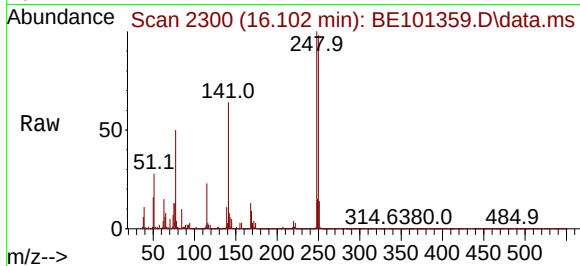




#67
4-Bromophenyl-phenylether
Concen: 7.002 ng
RT: 16.102 min Scan# 2300
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

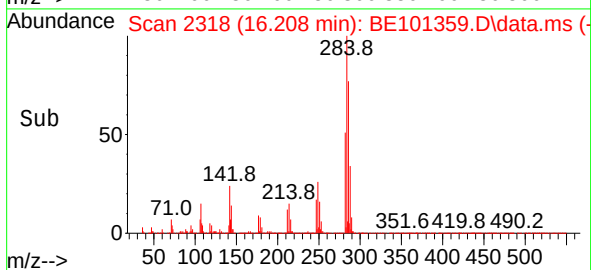
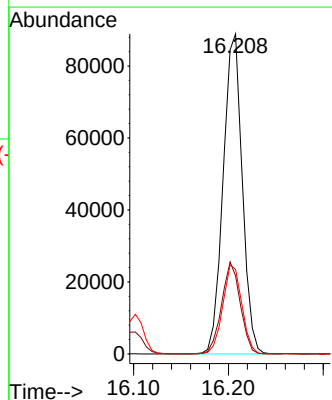
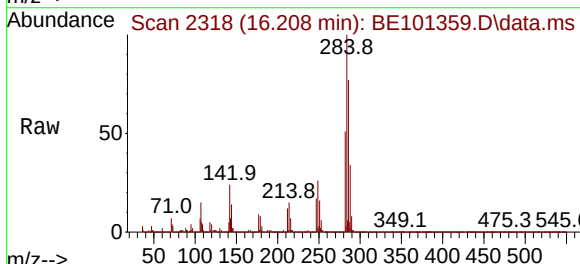
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

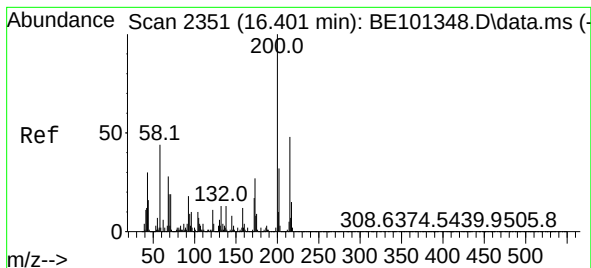
Tgt Ion:248 Resp: 99014
Ion Ratio Lower Upper
248 100
250 97.5 77.7 116.5
141 64.4 51.8 77.8



#68
Hexachlorobenzene
Concen: 6.812 ng
RT: 16.208 min Scan# 2318
Delta R.T. 0.001 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:284 Resp: 124493
Ion Ratio Lower Upper
284 100
142 24.4 22.1 33.1
249 26.4 22.7 34.1





#69

Atrazine

Concen: 8.438 ng

RT: 16.396 min Scan# 2350

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

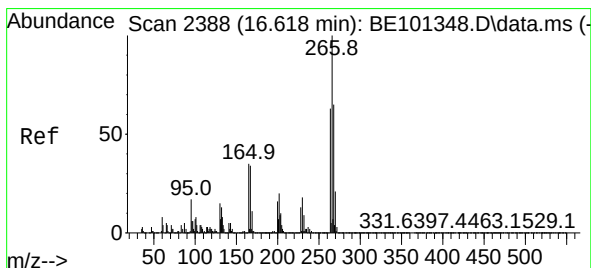
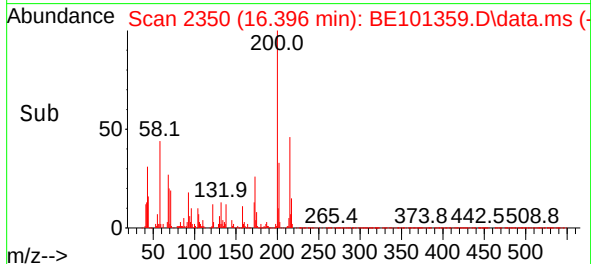
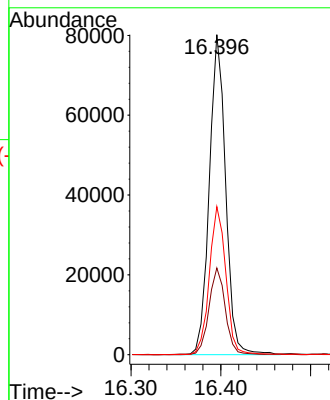
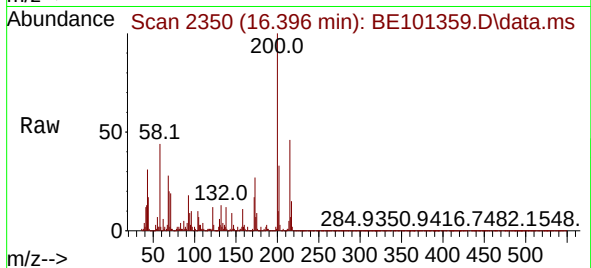
Tgt Ion:200 Resp: 101094

Ion Ratio Lower Upper

200 100

173 27.1 6.9 46.9

215 46.2 27.8 67.8



#70

Pentachlorophenol

Concen: 11.384 ng

RT: 16.613 min Scan# 2387

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

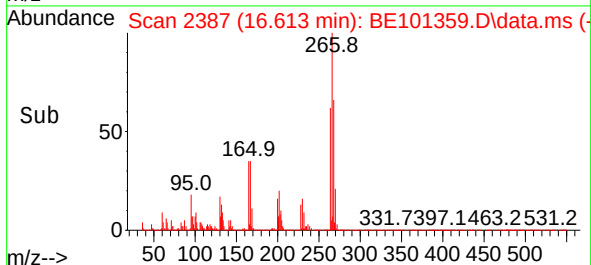
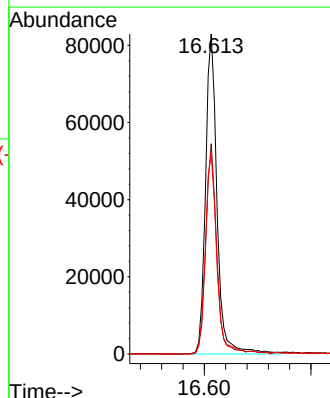
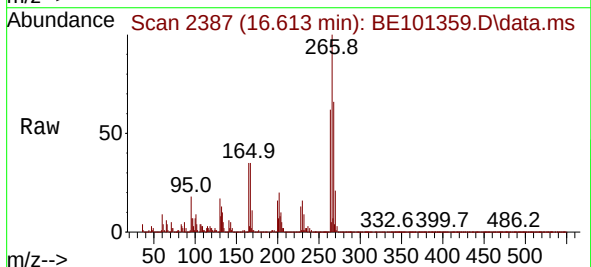
Tgt Ion:266 Resp: 124300

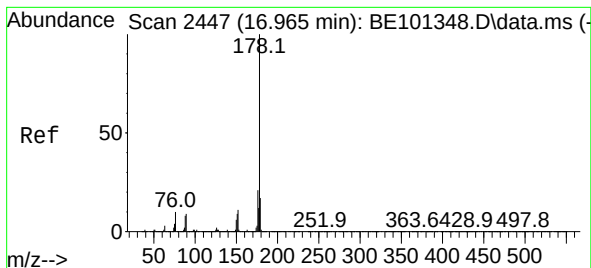
Ion Ratio Lower Upper

266 100

268 65.7 52.2 78.4

264 62.3 50.5 75.7





#71

Phenanthrene

Concen: 7.876 ng

RT: 16.960 min Scan# 2446

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

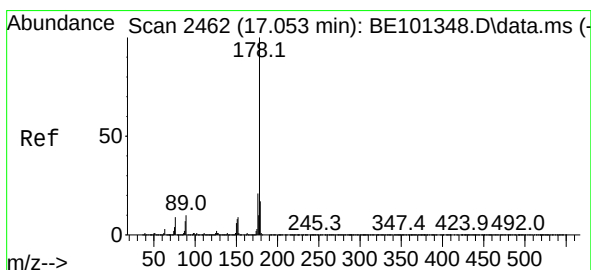
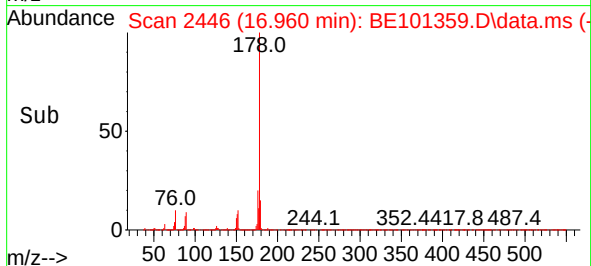
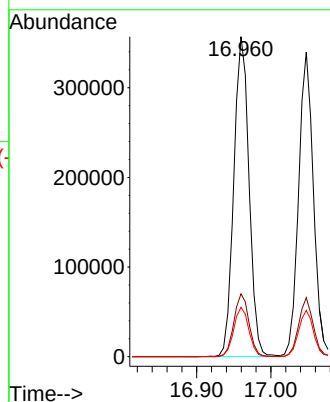
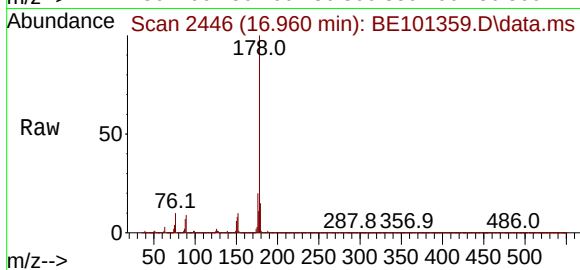
Tgt Ion:178 Resp: 509179

Ion Ratio Lower Upper

178 100

176 19.7 16.8 25.2

179 15.4 13.3 19.9



#72

Anthracene

Concen: 7.593 ng

RT: 17.048 min Scan# 2461

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

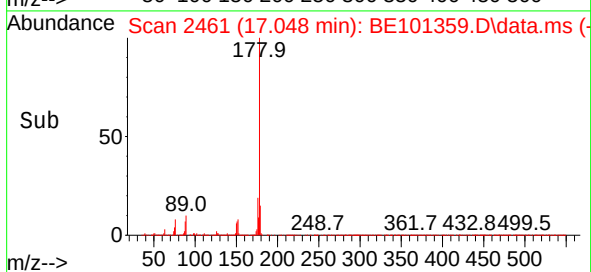
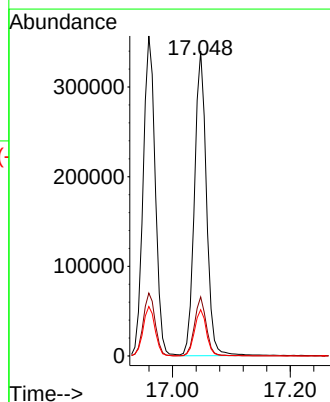
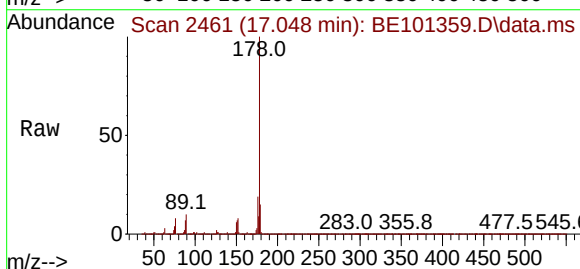
Tgt Ion:178 Resp: 477646

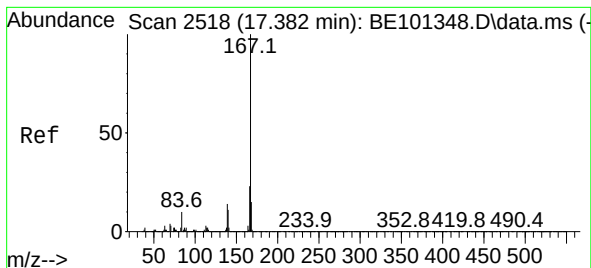
Ion Ratio Lower Upper

178 100

176 19.4 16.4 24.6

179 15.2 13.4 20.0





#73

Carbazole

Concen: 7.585 ng

RT: 17.377 min Scan# 2517

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

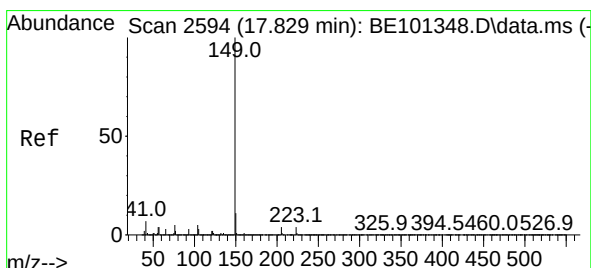
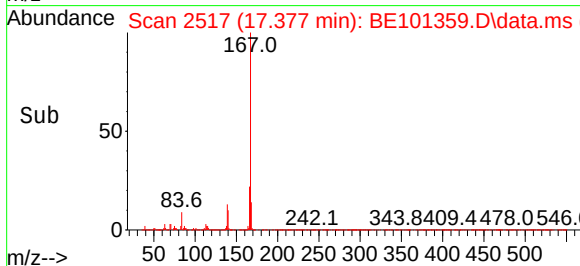
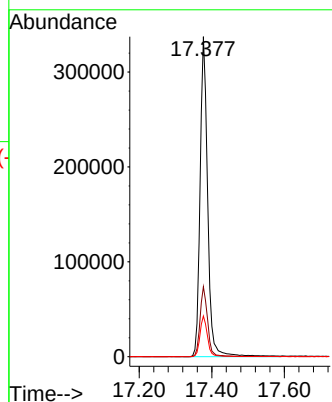
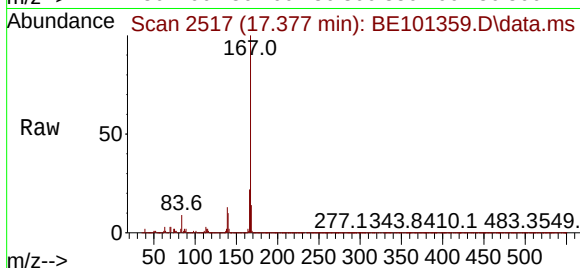
Tgt Ion:167 Resp: 489018

Ion Ratio Lower Upper

167 100

166 21.8 18.4 27.6

139 12.7 11.1 16.7



#74

Di-n-butylphthalate

Concen: 8.108 ng

RT: 17.829 min Scan# 2594

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

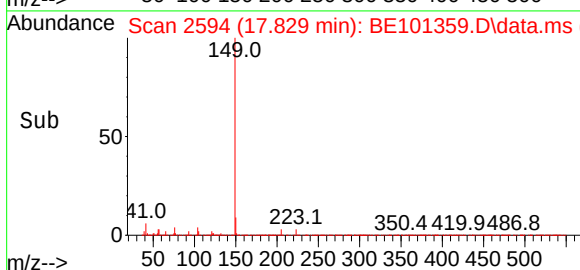
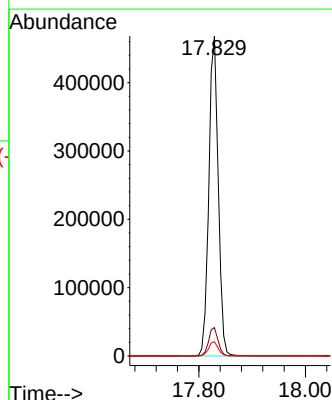
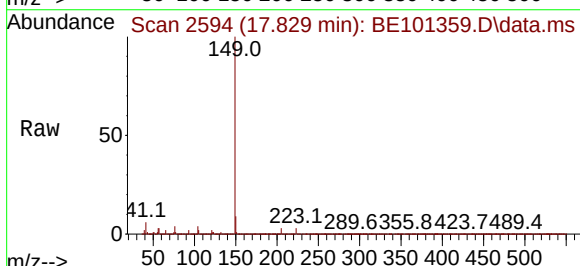
Tgt Ion:149 Resp: 573947

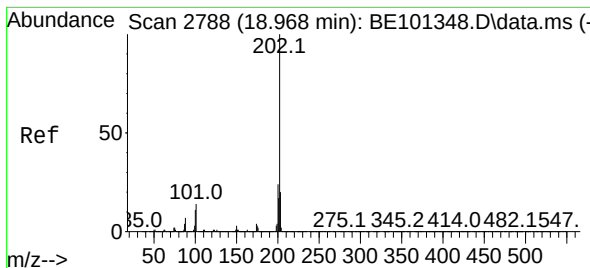
Ion Ratio Lower Upper

149 100

150 8.8 9.0 13.6#

104 4.5 4.4 6.6





#75

Fluoranthene

Concen: 8.097 ng

RT: 18.963 min Scan# 21

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

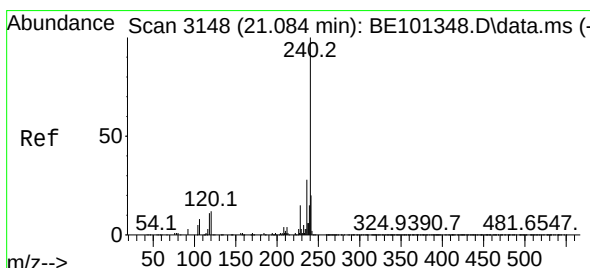
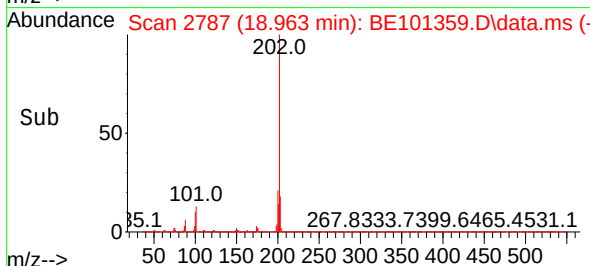
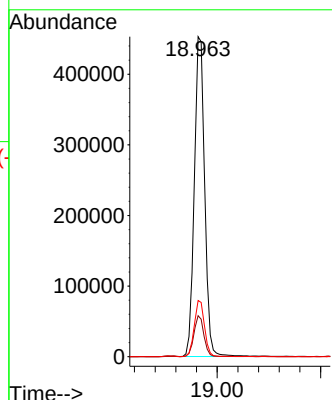
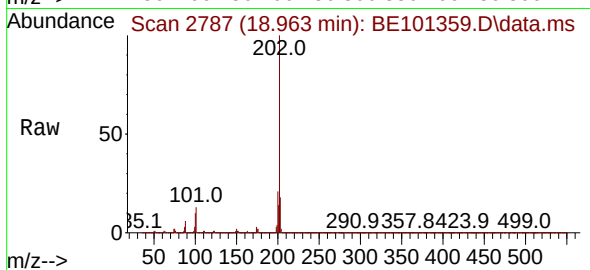
Tgt Ion:202 Resp: 630188

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.2

203 17.6 0.4 40.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.084 min Scan# 3148

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

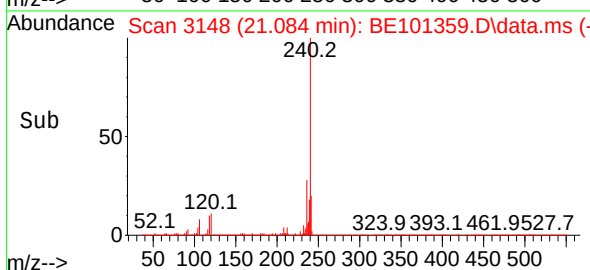
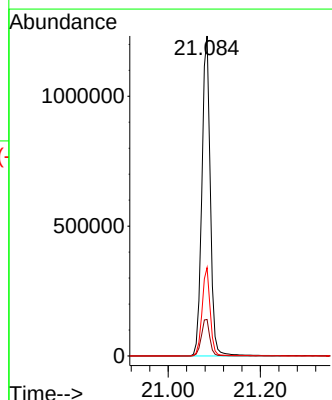
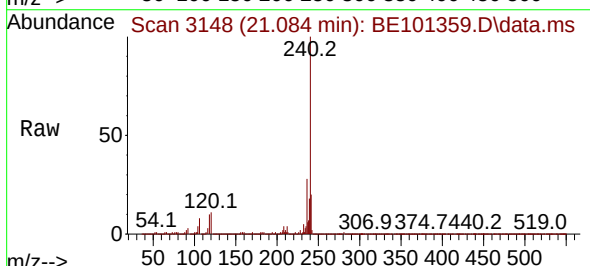
Tgt Ion:240 Resp: 1565078

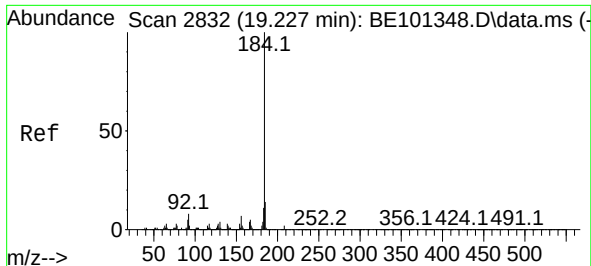
Ion Ratio Lower Upper

240 100

120 11.4 9.8 14.8

236 27.6 22.1 33.1

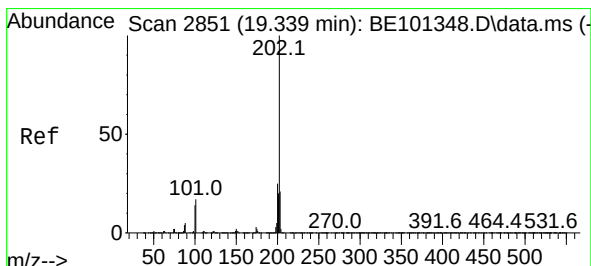
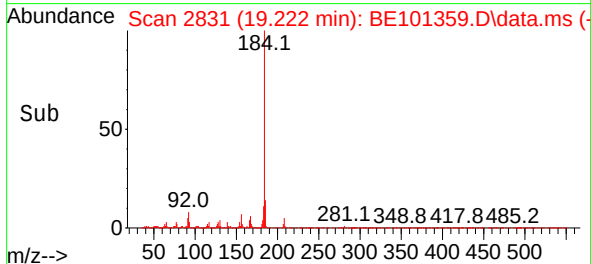
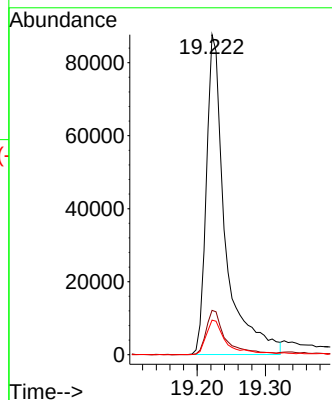
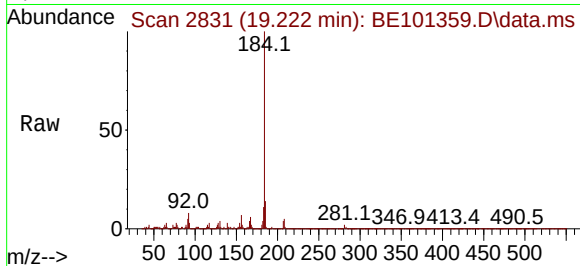




#77
Benzidine
Concen: 6.534 ng
RT: 19.222 min Scan# 2831
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

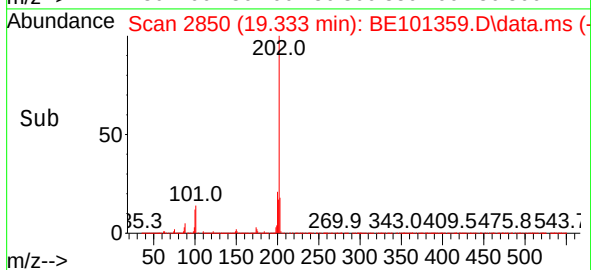
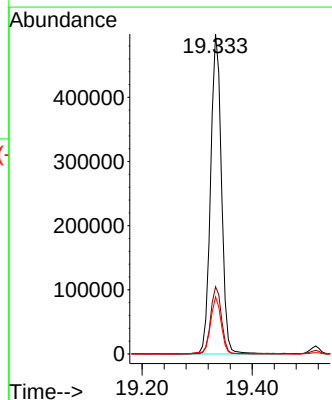
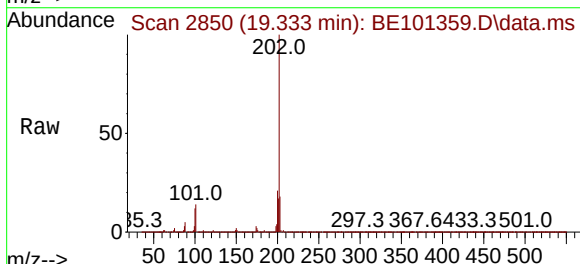
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

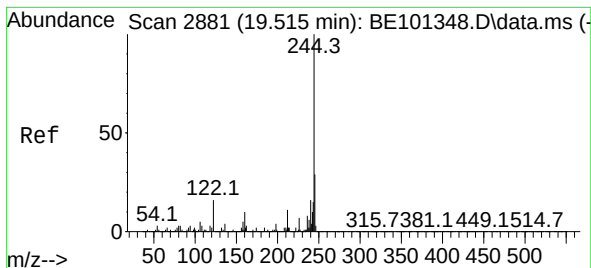
Tgt Ion:184 Resp: 169713
Ion Ratio Lower Upper
184 100
185 13.9 11.4 17.2
183 10.8 9.1 13.7



#78
Pyrene
Concen: 7.821 ng
RT: 19.333 min Scan# 2850
Delta R.T. -0.005 min
Lab File: BE101359.D
Acq: 18 Sep 2024 12:21

Tgt Ion:202 Resp: 680741
Ion Ratio Lower Upper
202 100
200 21.0 20.2 30.2
203 17.9 16.6 25.0





#79

Terphenyl-d14

Concen: 55.940 ng

RT: 19.515 min Scan# 2881

Delta R.T. 0.000 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

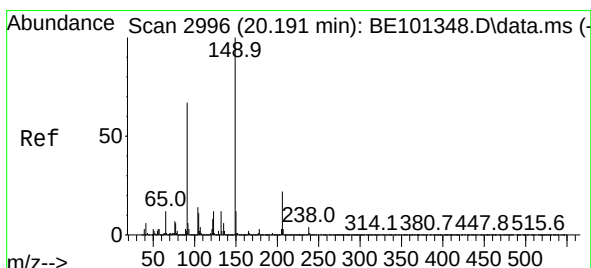
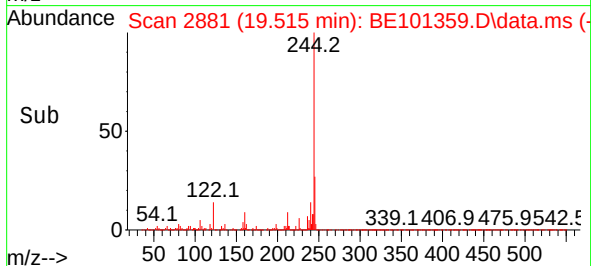
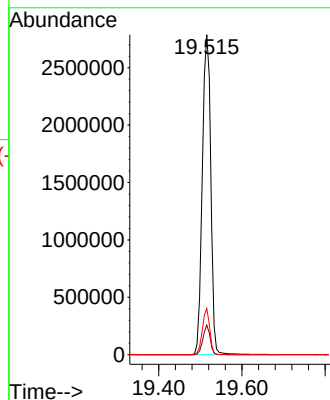
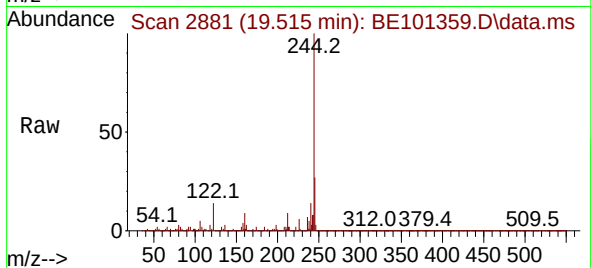
Tgt Ion:244 Resp: 3948456

Ion Ratio Lower Upper

244 100

212 9.2 8.5 12.7

122 14.5 13.1 19.7



#80

Butylbenzylphthalate

Concen: 7.488 ng

RT: 20.185 min Scan# 2995

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

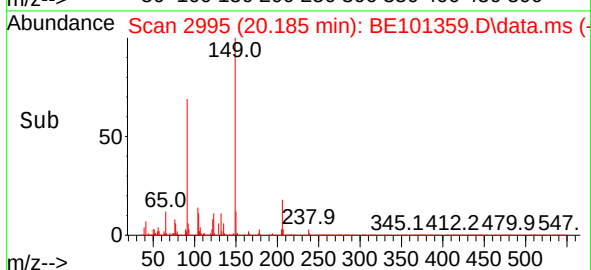
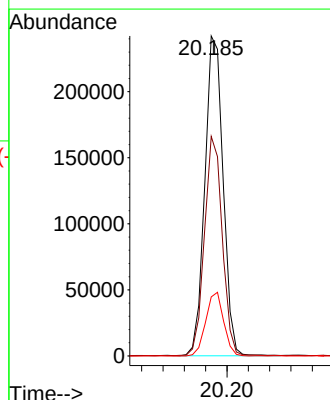
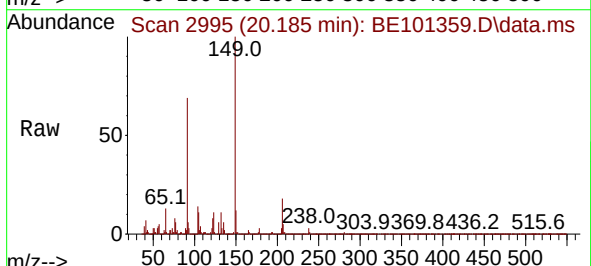
Tgt Ion:149 Resp: 288547

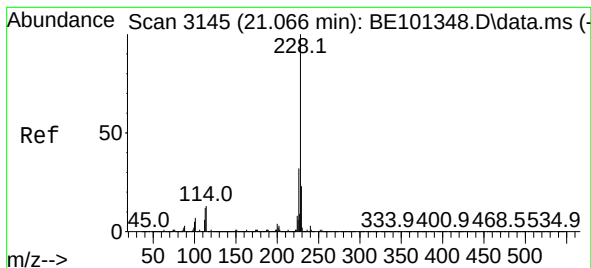
Ion Ratio Lower Upper

149 100

91 68.6 53.4 80.2

206 18.4 17.4 26.0





#81

Benzo(a)anthracene

Concen: 8.269 ng

RT: 21.061 min Scan# 3144

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

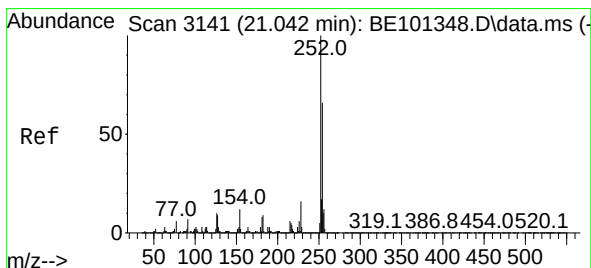
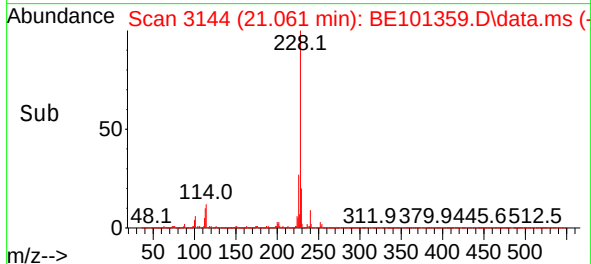
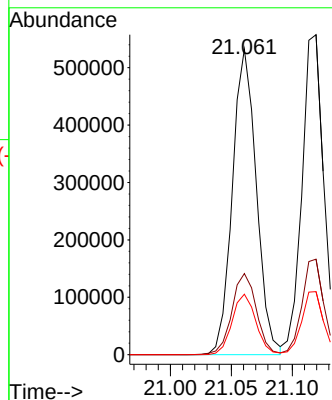
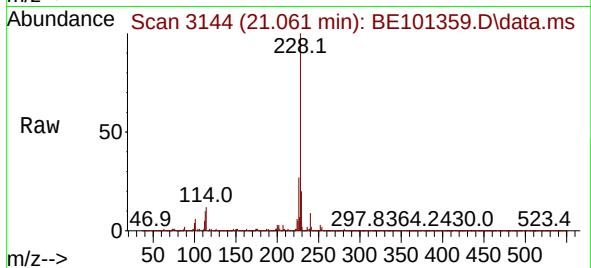
Tgt Ion:228 Resp: 726762

Ion Ratio Lower Upper

228 100

226 26.6 25.7 38.5

229 19.8 18.6 28.0



#82

3,3'-Dichlorobenzidine

Concen: 7.506 ng

RT: 21.037 min Scan# 3140

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

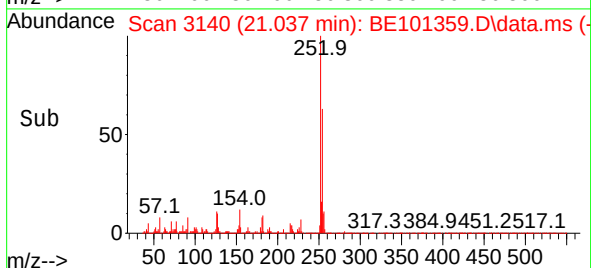
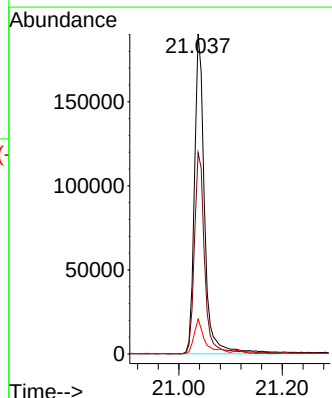
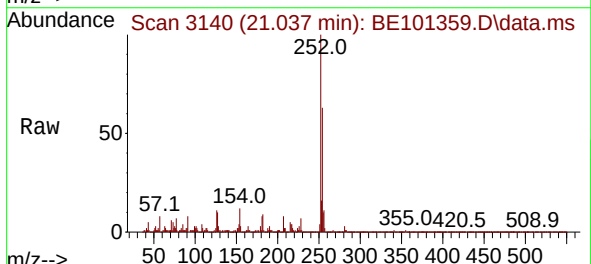
Tgt Ion:252 Resp: 258502

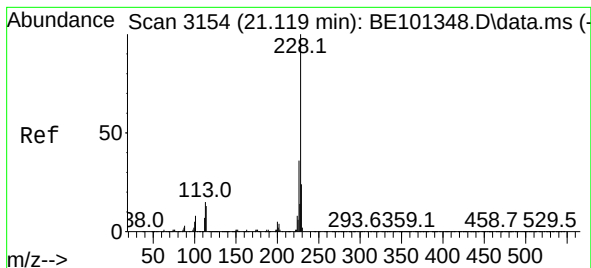
Ion Ratio Lower Upper

252 100

254 62.9 52.5 78.7

126 10.9 8.0 12.0





#83

Chrysene

Concen: 8.409 ng

RT: 21.119 min Scan# 3154

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

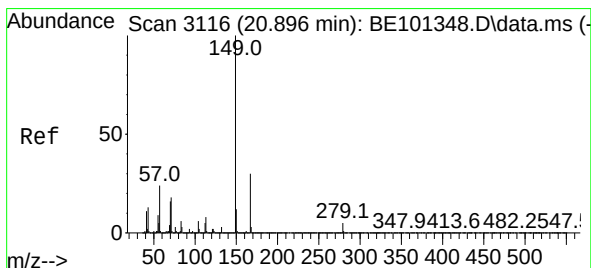
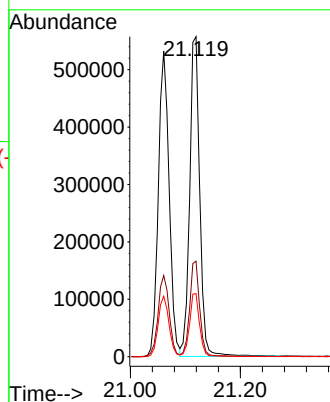
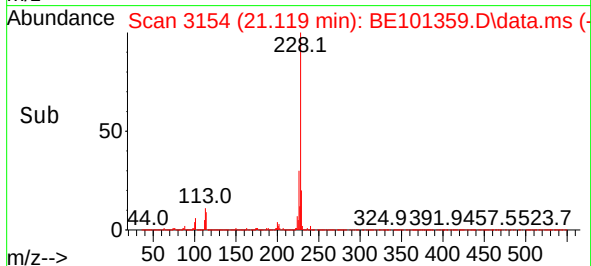
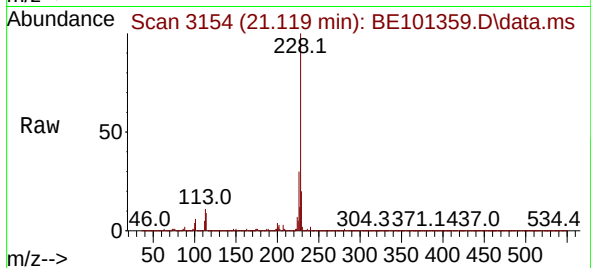
Tgt Ion:228 Resp: 709978

Ion Ratio Lower Upper

228 100

226 29.8 28.4 42.6

229 19.7 19.0 28.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.557 ng

RT: 20.890 min Scan# 3115

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

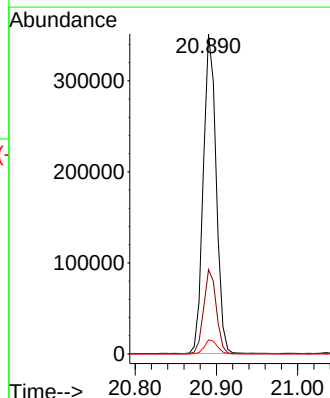
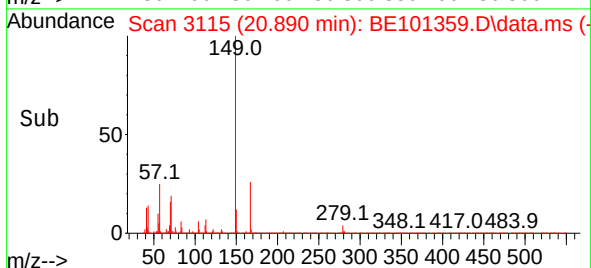
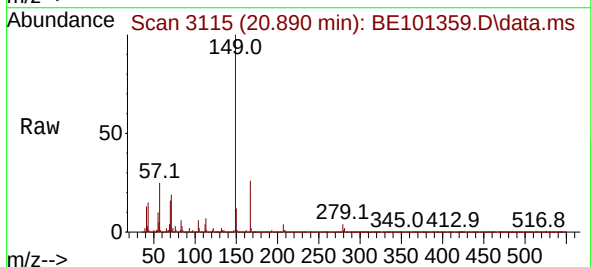
Tgt Ion:149 Resp: 385095

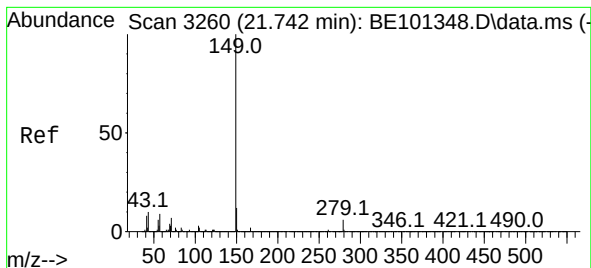
Ion Ratio Lower Upper

149 100

167 26.3 23.9 35.9

279 4.4 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 8.069 ng

RT: 21.742 min Scan# 31

Delta R.T. 0.001 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

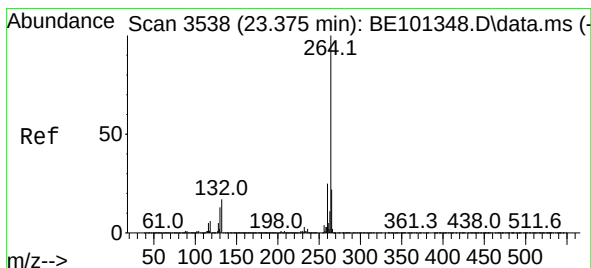
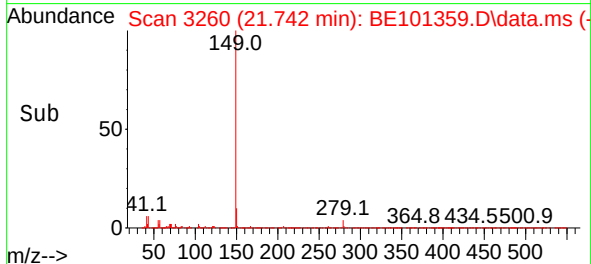
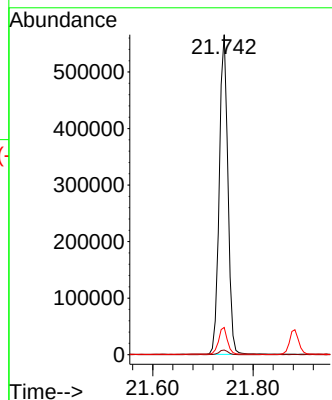
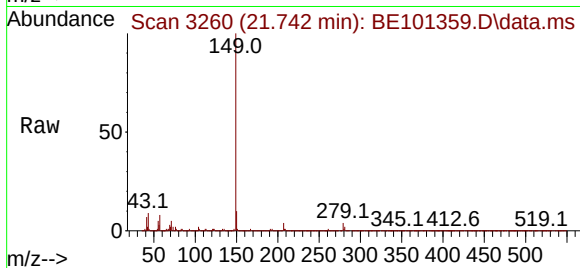
Tgt Ion:149 Resp: 671148

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.2

43 8.6 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.370 min Scan# 3537

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

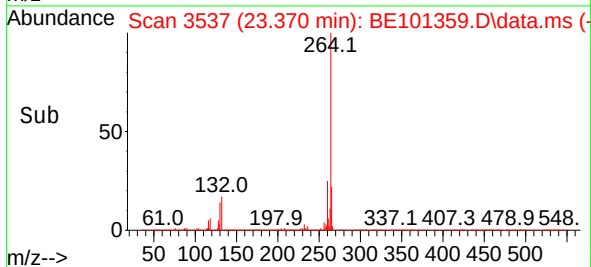
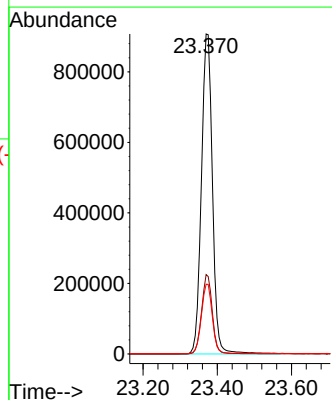
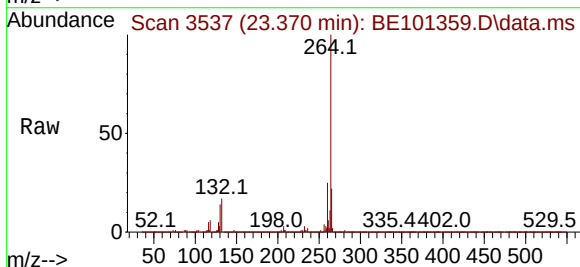
Tgt Ion:264 Resp: 1872927

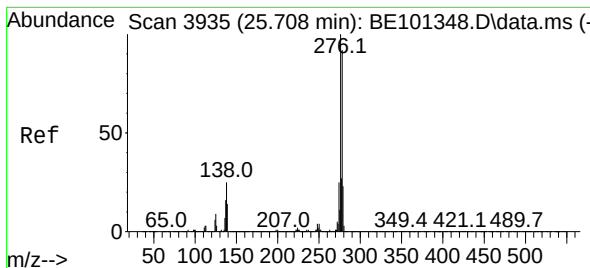
Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.6

265 21.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.921 ng

RT: 25.685 min Scan# 3935

Delta R.T. -0.023 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

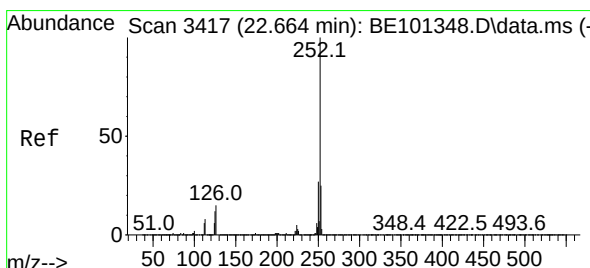
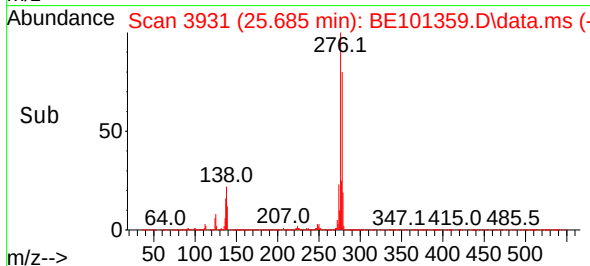
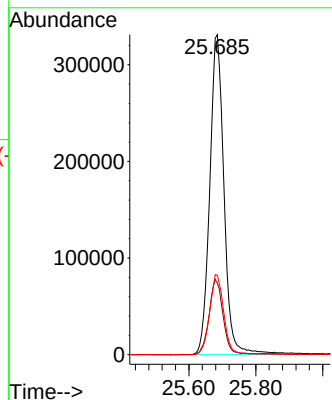
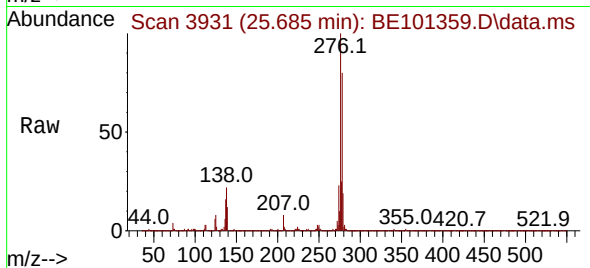
Tgt Ion:276 Resp: 977433

Ion Ratio Lower Upper

276 100

138 22.7 19.2 28.8

277 24.8 20.8 31.2



#88

Benzo(b)fluoranthene

Concen: 8.056 ng

RT: 22.659 min Scan# 3416

Delta R.T. -0.005 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

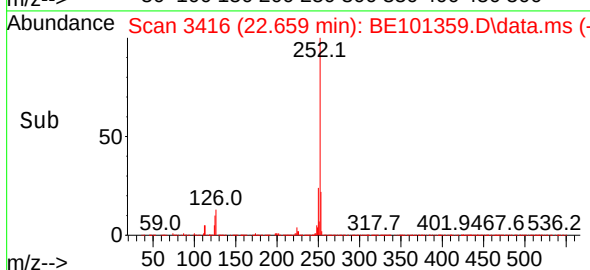
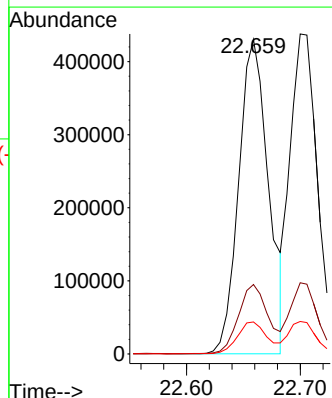
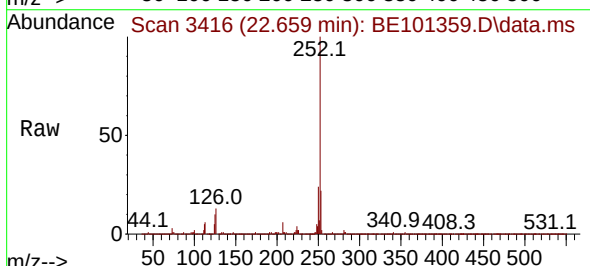
Tgt Ion:252 Resp: 781473

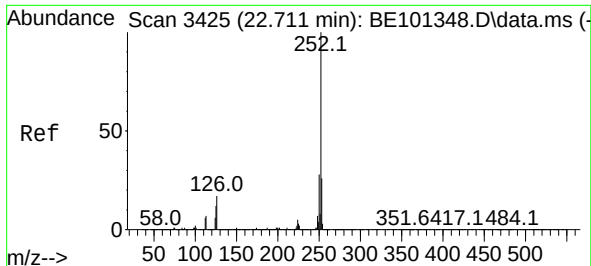
Ion Ratio Lower Upper

252 100

253 22.1 20.2 30.2

125 10.2 9.4 14.0





#89

Benzo(k)fluoranthene

Concen: 8.170 ng

RT: 22.700 min Scan# 34

Delta R.T. -0.011 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

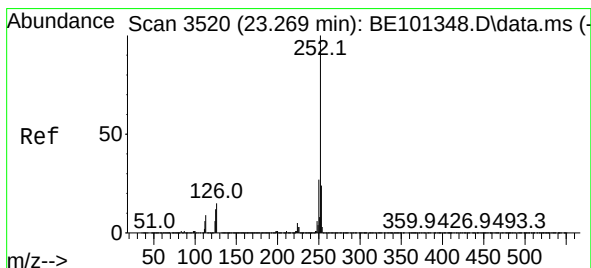
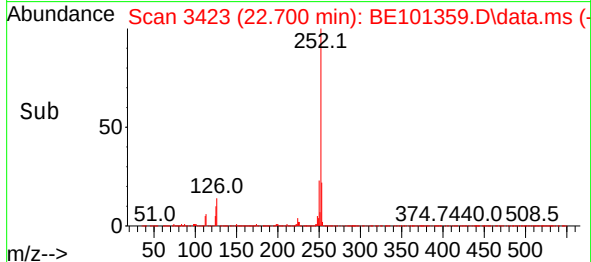
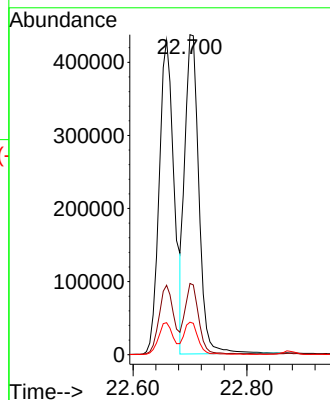
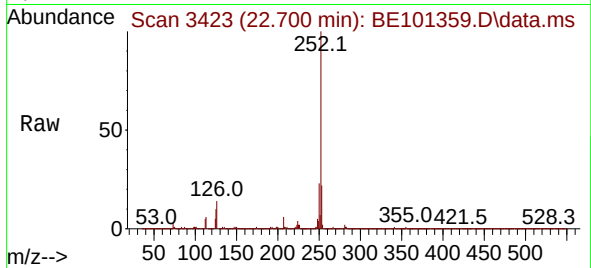
Tgt Ion:252 Resp: 748026

Ion Ratio Lower Upper

252 100

253 22.3 20.2 30.4

125 10.2 9.4 14.0



#90

Benzo(a)pyrene

Concen: 8.092 ng

RT: 23.258 min Scan# 3518

Delta R.T. -0.011 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

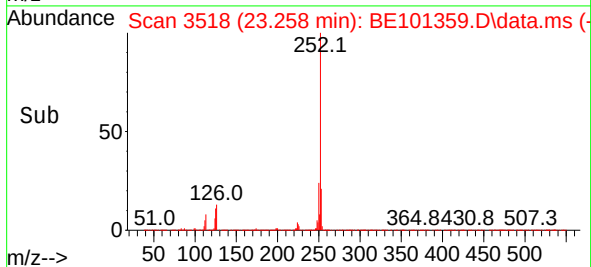
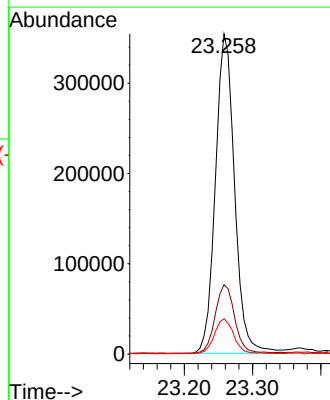
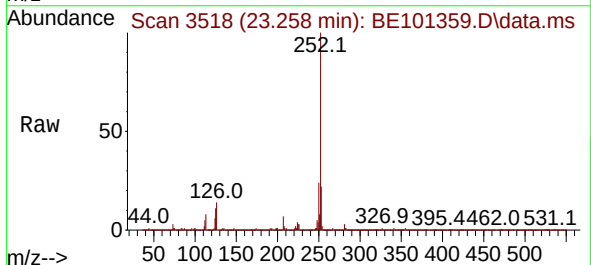
Tgt Ion:252 Resp: 692744

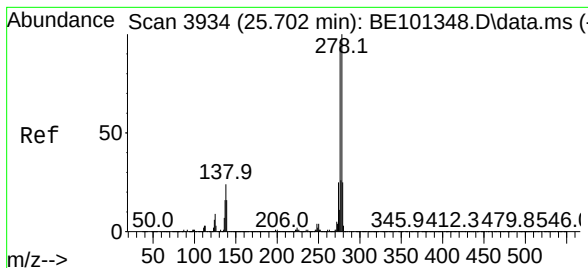
Ion Ratio Lower Upper

252 100

253 21.7 19.0 28.6

125 11.0 9.6 14.4





#91

Dibenzo(a,h)anthracene

Concen: 7.756 ng

RT: 25.679 min Scan# 3930

Delta R.T. -0.023 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

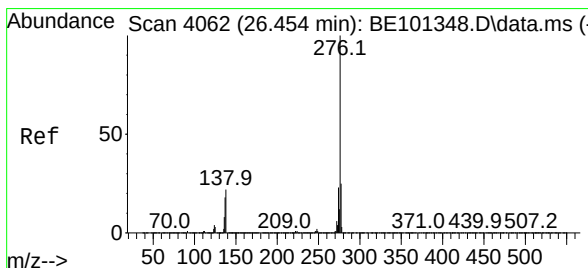
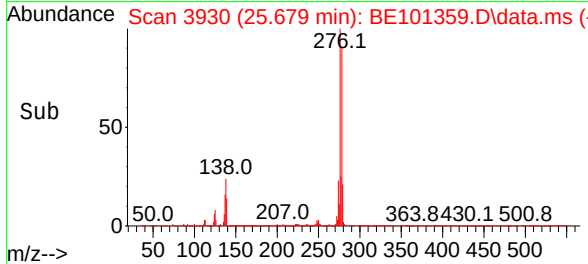
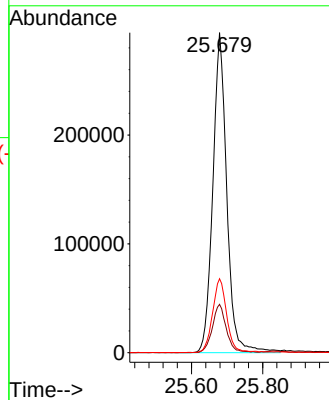
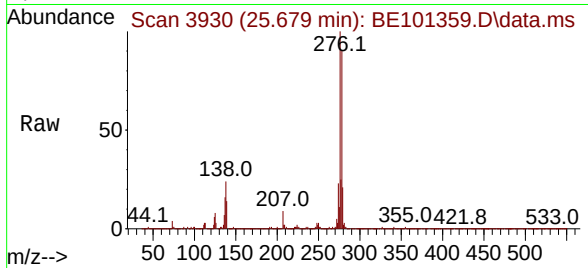
Tgt Ion:278 Resp: 801216

Ion Ratio Lower Upper

278 100

139 15.1 12.4 18.6

279 23.1 19.8 29.8



#92

Benzo(g,h,i)perylene

Concen: 7.172 ng

RT: 26.431 min Scan# 4058

Delta R.T. -0.023 min

Lab File: BE101359.D

Acq: 18 Sep 2024 12:21

Tgt Ion:276 Resp: 752346

Ion Ratio Lower Upper

276 100

277 23.8 19.8 29.8

138 20.4 17.4 26.0

