

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091824\
 Data File : BE101360.D
 Acq On : 18 Sep 2024 13:00
 Operator : RC/JU
 Sample : P2403-02
 Misc : LOQ-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Sep 18 14:54:45 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	7.577	152	304720	20.000	ng	0.00
21) Naphthalene-d8	10.344	136	1539971	20.000	ng	0.00
39) Acenaphthene-d10	14.187	164	1107256	20.000	ng	0.00
64) Phenanthrene-d10	16.925	188	2497577	20.000	ng	0.00
76) Chrysene-d12	21.084	240	2754819	20.000	ng	0.00
86) Perylene-d12	23.376	264	3348774	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	1720676	98.730	ng	0.00
7) Phenol-d6	6.954	99	2498460	101.126	ng	0.00
23) Nitrobenzene-d5	8.787	82	1760009	72.457	ng	0.00
42) 2,4,6-Tribromophenol	15.697	330	1951766	104.801	ng	0.00
45) 2-Fluorobiphenyl	12.812	172	4179891	65.234	ng	0.00
79) Terphenyl-d14	19.521	244	5976196	48.102	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.217	88	54155	8.160	ng	99
3) Pyridine	3.716	79	96229	5.034	ng	# 93
4) n-Nitrosodimethylamine	3.599	42	59270	8.630	ng	# 97
6) Aniline	7.019	93	244286	11.785	ng	97
8) 2-Chlorophenol	7.218	128	182919	8.735	ng	99
9) Benzaldehyde	6.789	77	137745	12.131	ng	99
10) Phenol	6.977	94	236543	8.710	ng	94
11) bis(2-Chloroethyl)ether	7.048	93	171367	7.456	ng	97
12) 1,3-Dichlorobenzene	7.459	146	184777	8.210	ng	98
13) 1,4-Dichlorobenzene	7.606	146	190866	8.323	ng	99
14) 1,2-Dichlorobenzene	7.941	146	188315	8.287	ng	99
15) Benzyl Alcohol	7.917	79	145150	9.867	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.070	45	264842	9.143	ng	99
17) 2-Methylphenol	8.158	107	138571	7.701	ng	99
18) Hexachloroethane	8.634	117	63216	8.429	ng	97
19) n-Nitroso-di-n-propyla...	8.376	70	155942	8.943	ng	97
20) 3+4-Methylphenols	8.499	107	189450	7.483	ng	100
22) Acetophenone	8.429	105	313392	8.776	ng	# 99
24) Nitrobenzene	8.828	77	222521	8.581	ng	100
25) Isophorone	9.281	82	448734	9.024	ng	99
26) 2-Nitrophenol	9.516	139	105205	8.596	ng	98
27) 2,4-Dimethylphenol	9.633	122	57821	3.680	ng	98
28) bis(2-Chloroethoxy)met...	9.780	93	260505	8.661	ng	98
29) 2,4-Dichlorophenol	10.062	162	178469	8.294	ng	99
30) 1,2,4-Trichlorobenzene	10.185	180	194381	8.359	ng	99
31) Naphthalene	10.391	128	653052	8.405	ng	99
32) Benzoic acid	9.862	122	145973	14.725	ng	97
33) 4-Chloroaniline	10.614	127	261941	8.811	ng	99
34) Hexachlorobutadiene	10.638	225	108741	8.049	ng	97
35) Caprolactam	11.419	113	72563	8.348	ng	97
36) 4-Chloro-3-methylphenol	11.789	107	201298	7.917	ng	100
37) 2-Methylnaphthalene	11.983	142	477706	8.406	ng	98
38) 1-Methylnaphthalene	12.207	142	456533	8.008	ng	98
40) 1,2,4,5-Tetrachloroben...	12.336	216	230022	8.624	ng	100
41) Hexachlorocyclopentadiene	12.318	237	36151	4.125	ng	98
43) 2,4,6-Trichlorophenol	12.659	196	156622	8.291	ng	98

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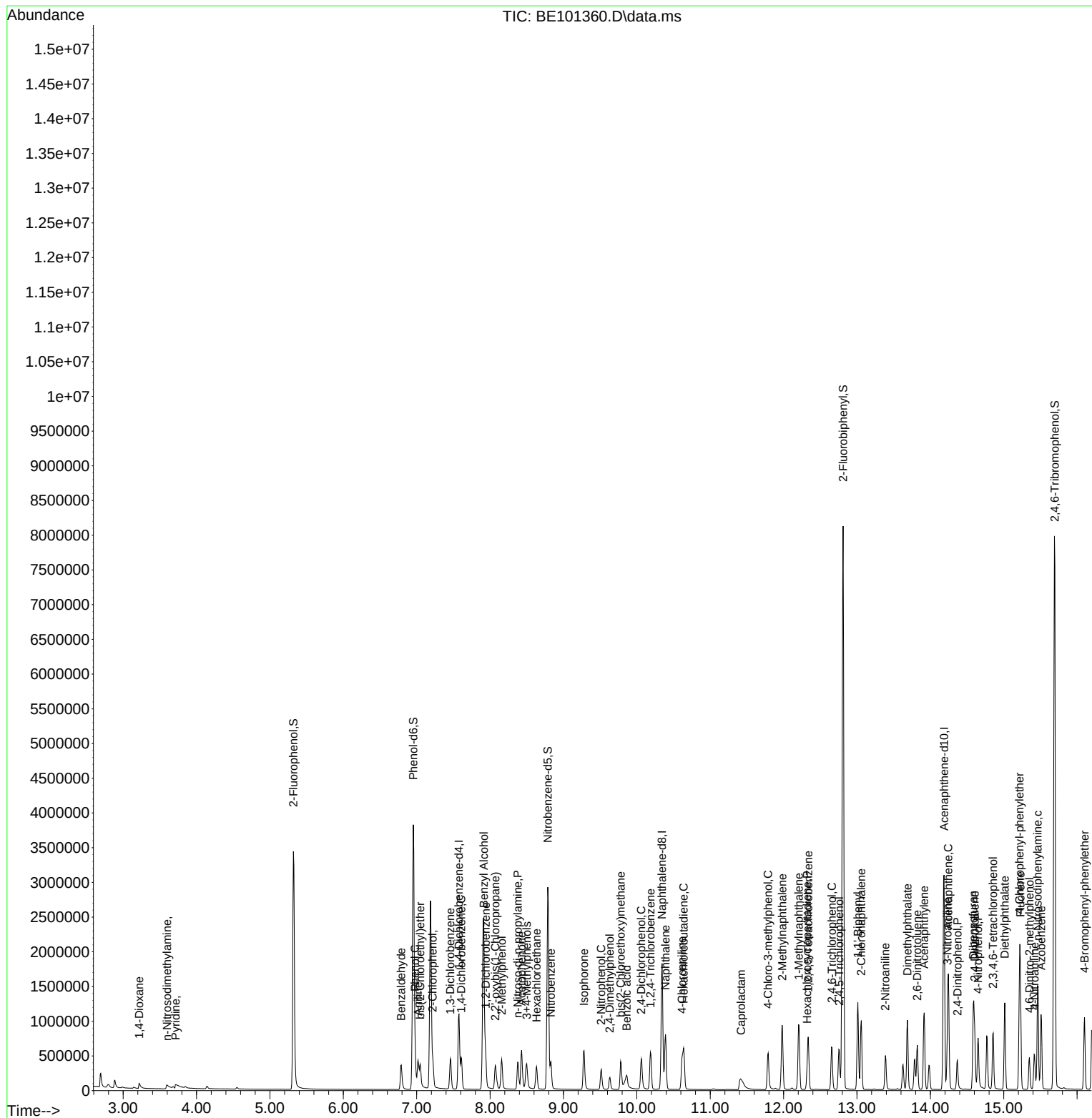
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.759	196	174464	8.186	ng	99
46) 1,1'-Biphenyl	13.011	154	663796	8.847	ng	99
47) 2-Chloronaphthalene	13.058	162	497687	8.432	ng	98
48) 2-Nitroaniline	13.387	65	133170	8.386	ng	99
49) Acenaphthylene	13.916	152	815324	9.258	ng	98
50) Dimethylphthalate	13.687	163	679383	8.503	ng	99
51) 2,6-Dinitrotoluene	13.822	165	141956	7.939	ng	98
52) Acenaphthene	14.245	154	488151	8.408	ng	98
53) 3-Nitroaniline	14.234	138	153340	8.337	ng	98
54) 2,4-Dinitrophenol	14.369	184	98485	9.253	ng	95
55) Dibenzofuran	14.586	168	803295	8.760	ng	98
56) 4-Nitrophenol	14.651	139	227550	14.881	ng	100
57) 2,4-Dinitrotoluene	14.604	165	192015	7.888	ng	# 90
58) Fluorene	15.227	166	660717	8.551	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.856	232	175138	8.689	ng	100
60) Diethylphthalate	15.015	149	717461	8.655	ng	98
61) 4-Chlorophenyl-phenylether	15.215	204	319595	8.432	ng	98
62) 4-Nitroaniline	15.420	138	158951	8.292	ng	98
63) Azobenzene	15.509	77	628601	8.874	ng	96
65) 4,6-Dinitro-2-methylph...	15.350	198	106116	7.482	ng	99
66) n-Nitrosodiphenylamine	15.462	169	578174	8.685	ng	99
67) 4-Bromophenyl-phenylether	16.102	248	217865	8.397	ng	98
68) Hexachlorobenzene	16.202	284	275937	8.229	ng	98
69) Atrazine	16.396	200	230223	10.472	ng	99
70) Pentachlorophenol	16.613	266	271325	13.542	ng	99
71) Phenanthrene	16.960	178	1097745	9.254	ng	97
72) Anthracene	17.048	178	1003156	8.690	ng	98
73) Carbazole	17.377	167	1061254	8.972	ng	98
74) Di-n-butylphthalate	17.829	149	1307334	10.065	ng	# 95
75) Fluoranthene	18.969	202	1351687	9.466	ng	94
77) Benzidine	19.222	184	258594	5.656	ng	99
78) Pyrene	19.333	202	1428915	9.326	ng	93
80) Butylbenzylphthalate	20.191	149	640922	9.450	ng	97
81) Benzo(a)anthracene	21.061	228	1538555	9.945	ng	93
82) 3,3'-Dichlorobenzidine	21.037	252	568978	9.386	ng	99
83) Chrysene	21.120	228	1472027	9.905	ng	92
84) Bis(2-ethylhexyl)phtha...	20.890	149	902002	10.056	ng	# 95
85) Di-n-octyl phthalate	21.742	149	1517454	10.364	ng	99
87) Indeno(1,2,3-cd)pyrene	25.691	276	2100665	9.521	ng	98
88) Benzo(b)fluoranthene	22.659	252	1646672	9.494	ng	95
89) Benzo(k)fluoranthene	22.706	252	1595237	9.745	ng	95
90) Benzo(a)pyrene	23.258	252	1473040	9.624	ng	98
91) Dibenzo(a,h)anthracene	25.685	278	1749702	9.472	ng	99
92) Benzo(g,h,i)perylene	26.437	276	1629288	8.687	ng	98

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

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ClientSampleId :
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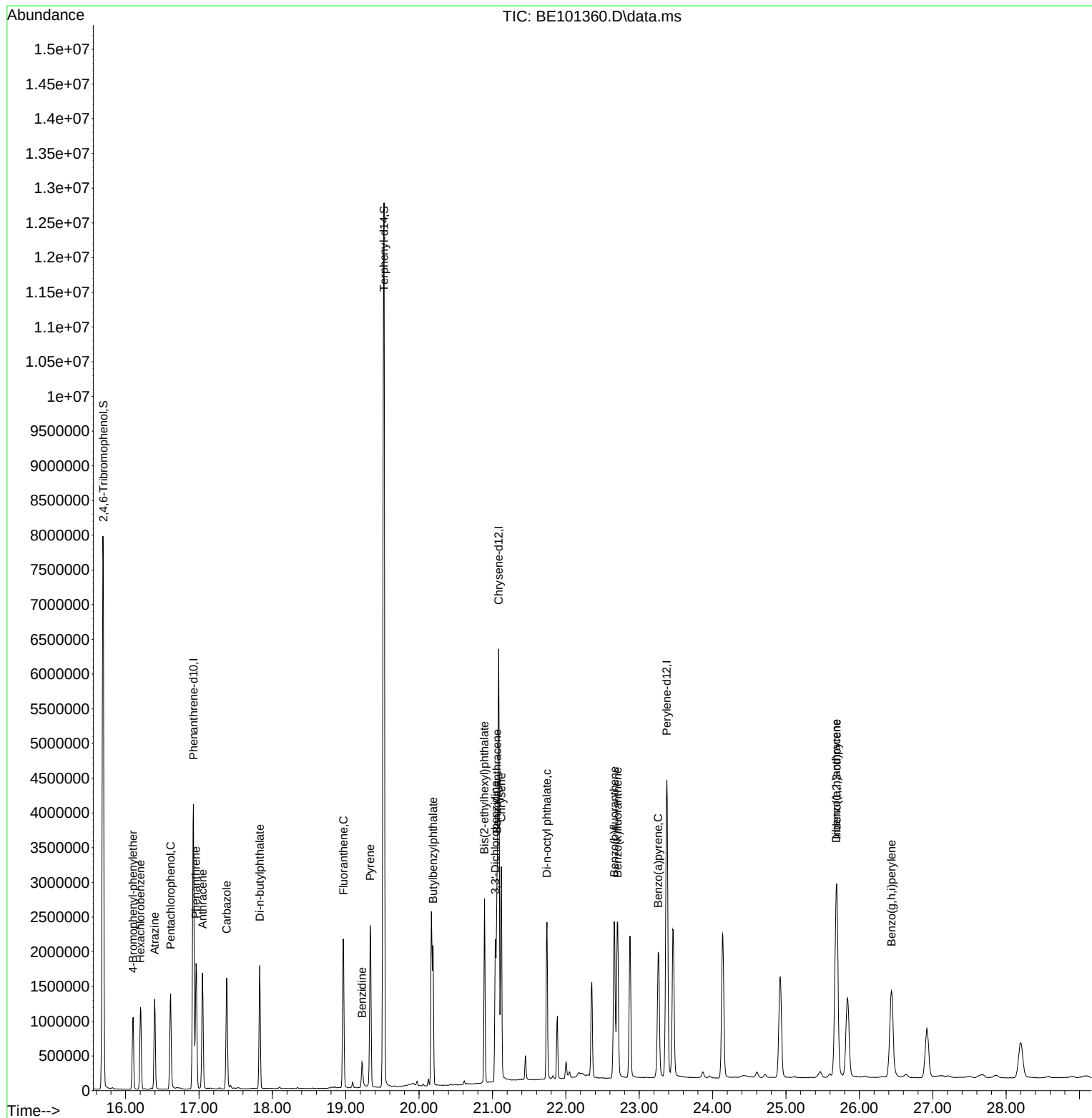
Quant Time: Sep 18 14:54:45 2024
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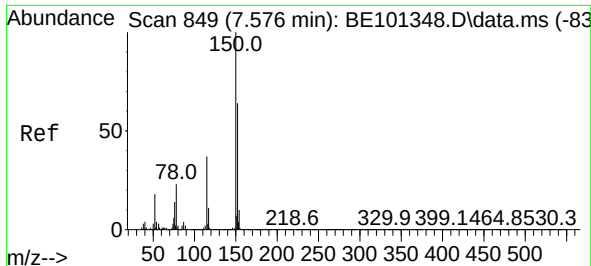


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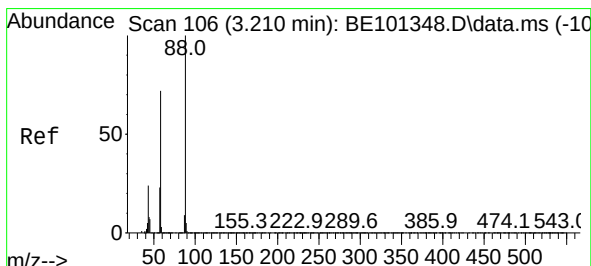
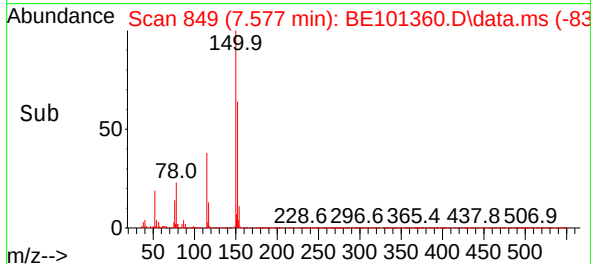
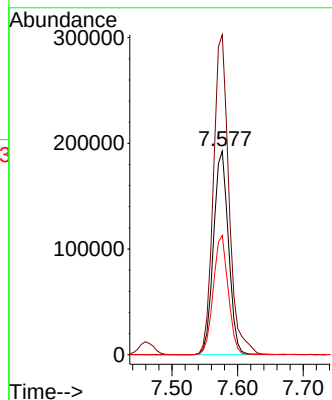
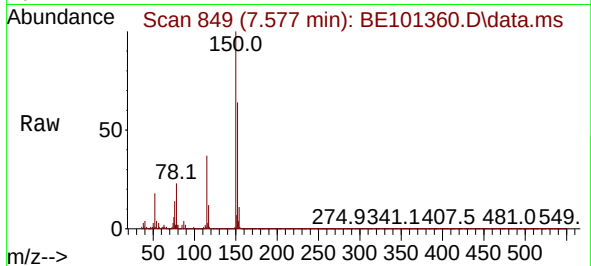




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.577 min Scan# 849
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

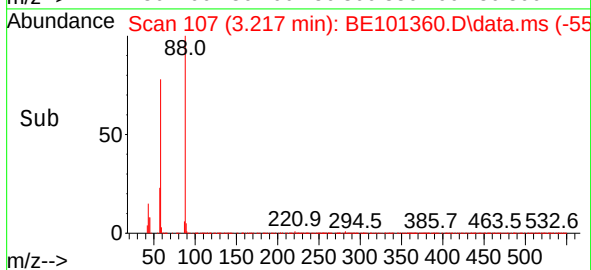
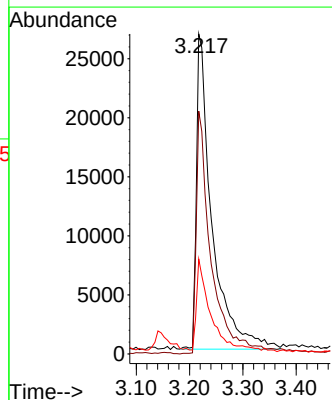
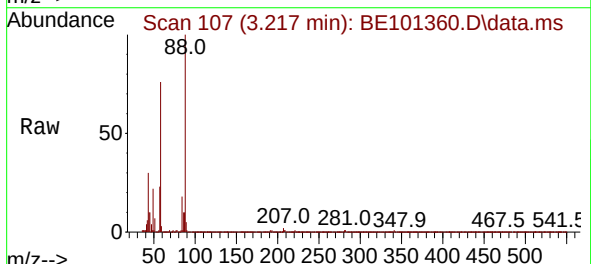
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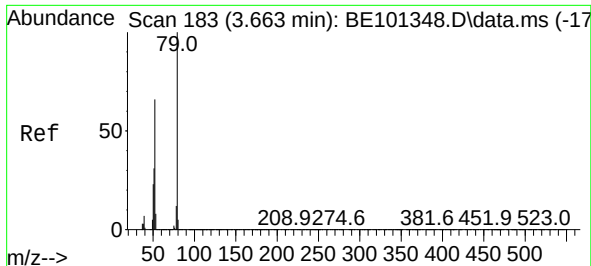
Tgt Ion:152 Resp: 304720
Ion Ratio Lower Upper
152 100
150 157.3 125.9 188.9
115 58.7 46.9 70.3



#2
1,4-Dioxane
Concen: 8.160 ng
RT: 3.217 min Scan# 107
Delta R.T. 0.007 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion: 88 Resp: 54155
Ion Ratio Lower Upper
88 100
58 72.8 58.8 88.2
43 25.2 19.4 29.2

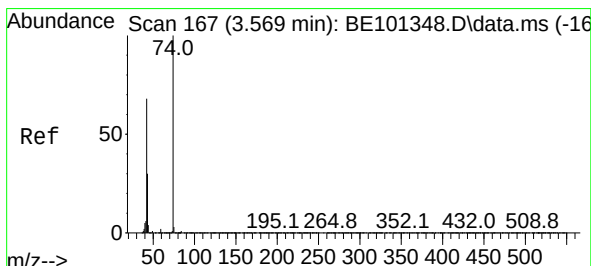
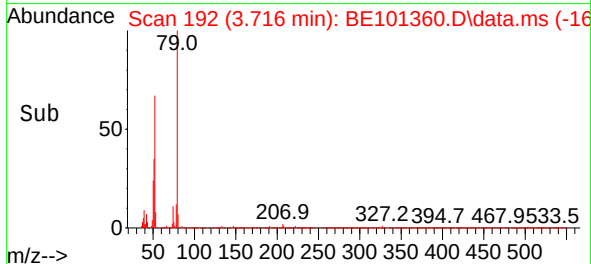
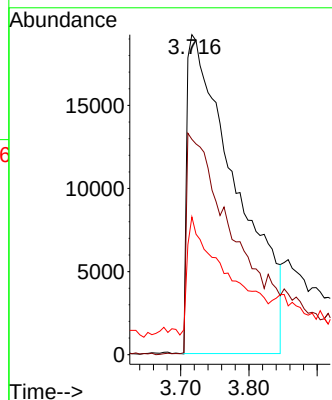
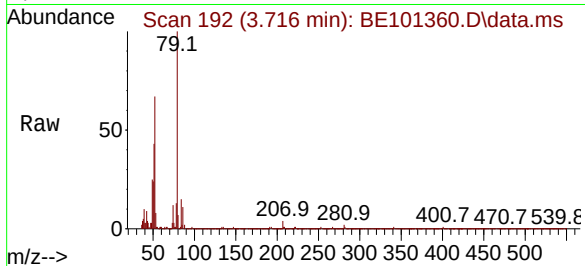




#3
Pyridine
Concen: 5.034 ng
RT: 3.716 min Scan# 110
Delta R.T. 0.054 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

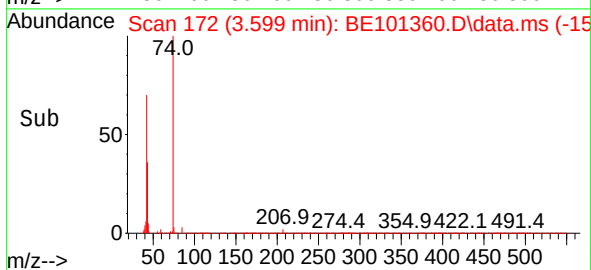
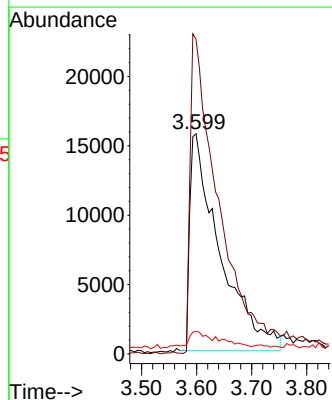
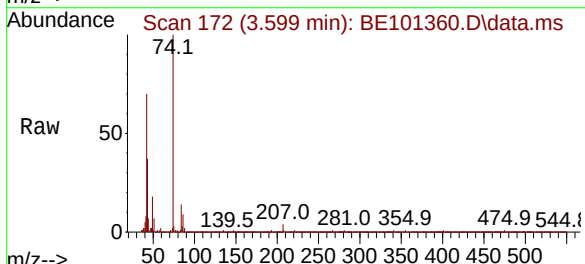
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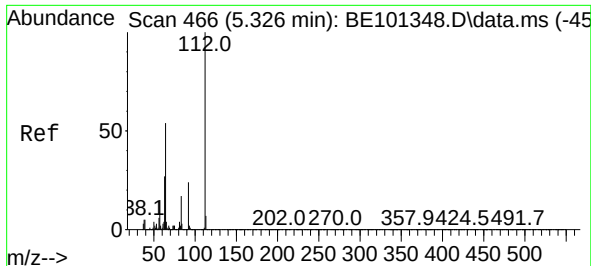
Tgt Ion: 79 Resp: 96229
Ion Ratio Lower Upper
79 100
52 67.3 52.6 78.8
51 43.0 26.2 39.2#



#4
n-Nitrosodimethylamine
Concen: 8.630 ng
RT: 3.599 min Scan# 172
Delta R.T. 0.030 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion: 42 Resp: 59270
Ion Ratio Lower Upper
42 100
74 142.9 117.0 175.4
44 10.2 5.9 8.9#

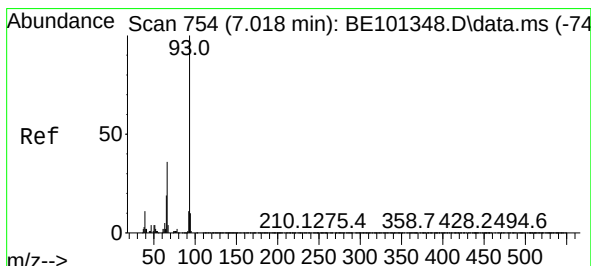
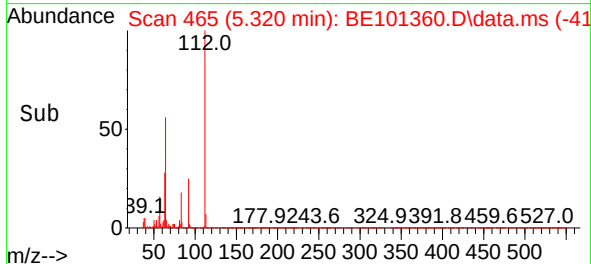
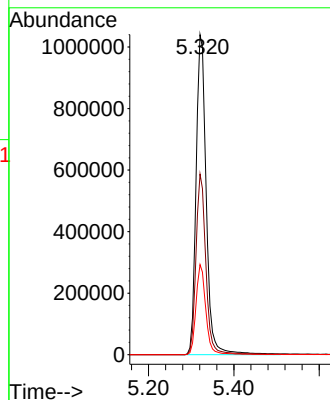
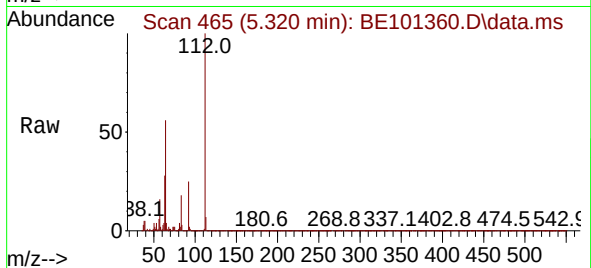




#5
2-Fluorophenol
Concen: 98.730 ng
RT: 5.320 min Scan# 466
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

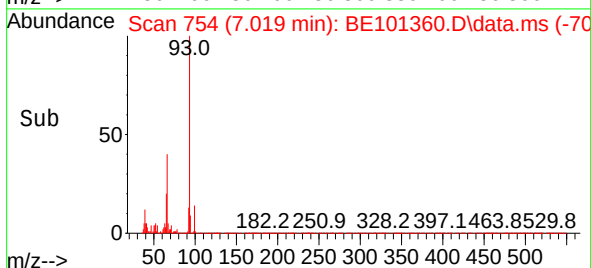
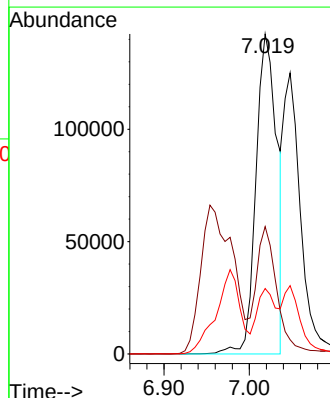
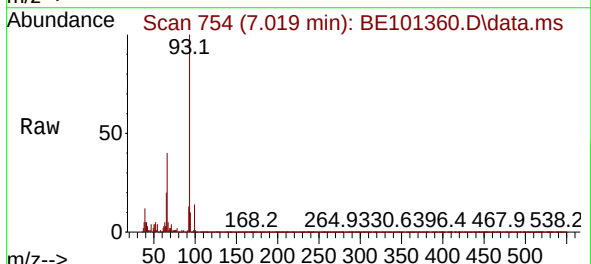
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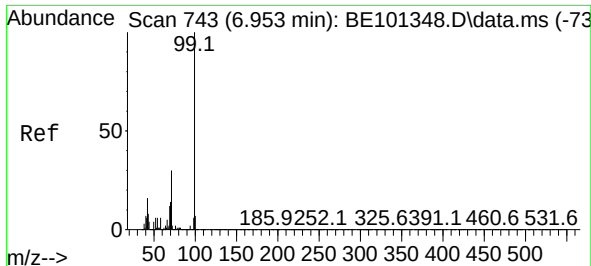
Tgt Ion:112 Resp: 1720676
Ion Ratio Lower Upper
112 100
64 56.4 42.8 64.2
63 28.2 21.3 31.9



#6
Aniline
Concen: 11.785 ng
RT: 7.019 min Scan# 754
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion: 93 Resp: 244286
Ion Ratio Lower Upper
93 100
66 39.8 30.0 45.0
65 20.5 15.8 23.8

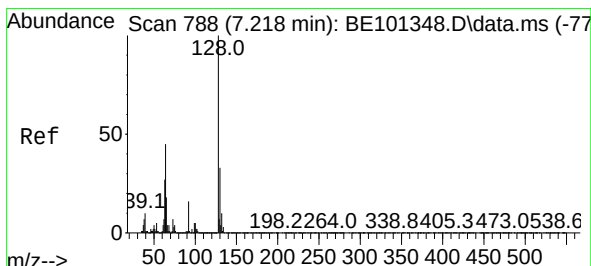
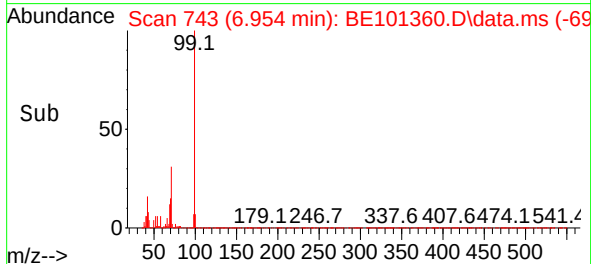
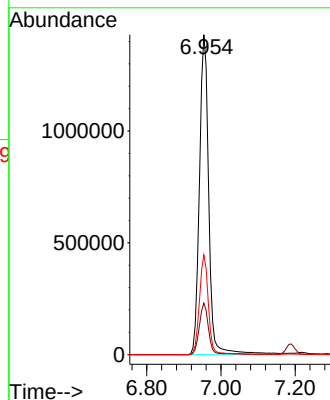
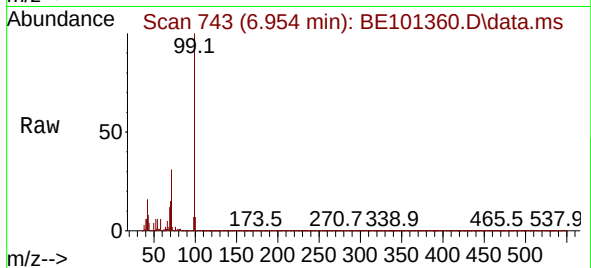




#7
Phenol-d6
Concen: 101.126 ng
RT: 6.954 min Scan# 743
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

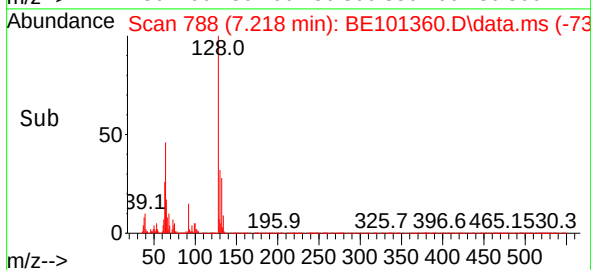
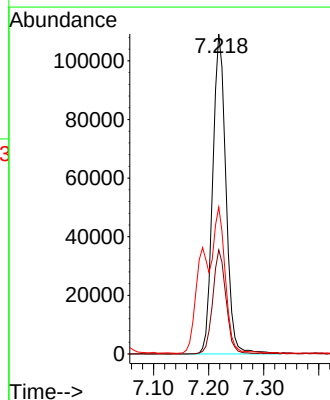
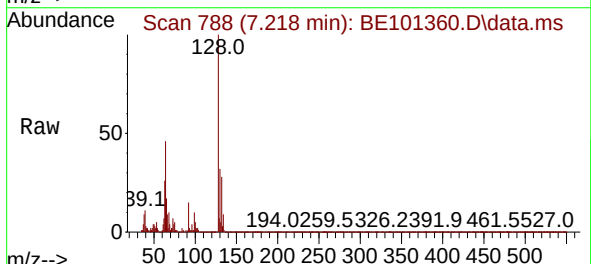
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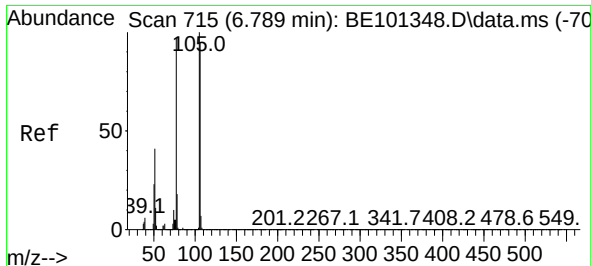
Tgt Ion: 99 Resp: 2498460
Ion Ratio Lower Upper
99 100
42 16.1 12.8 19.2
71 31.2 23.8 35.6



#8
2-Chlorophenol
Concen: 8.735 ng
RT: 7.218 min Scan# 788
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion: 128 Resp: 182919
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 45.9 24.9 64.9





#9

Benzaldehyde

Concen: 12.131 ng

RT: 6.789 min Scan# 715

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

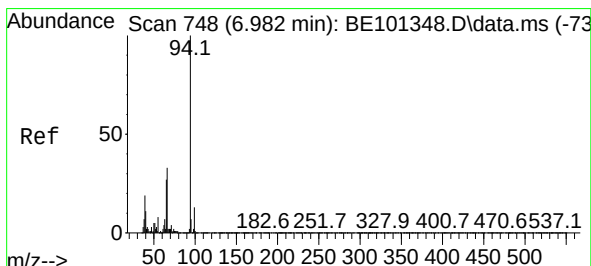
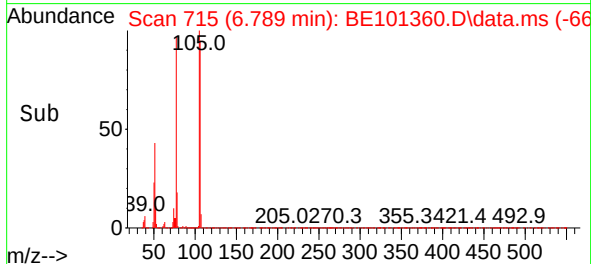
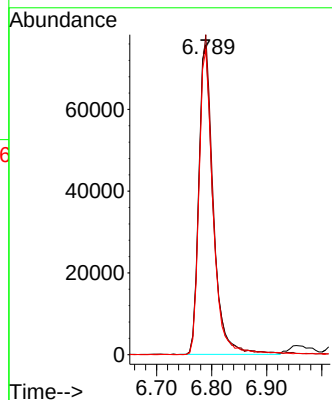
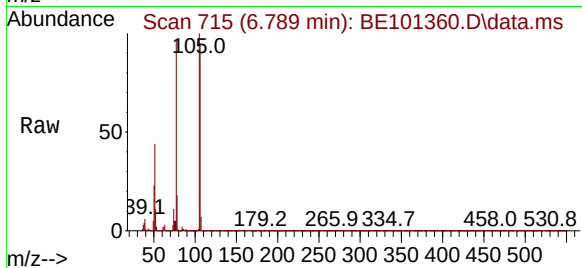
Tgt Ion: 77 Resp: 137745

Ion Ratio Lower Upper

77 100

105 103.4 82.8 122.8

106 98.6 77.9 117.9



#10

Phenol

Concen: 8.710 ng

RT: 6.977 min Scan# 747

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

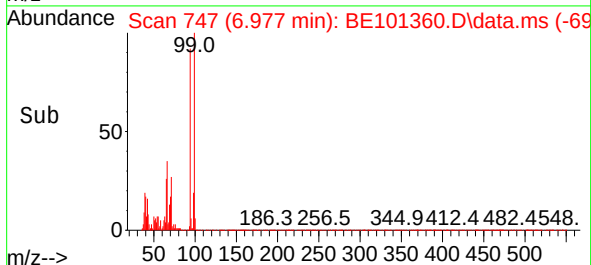
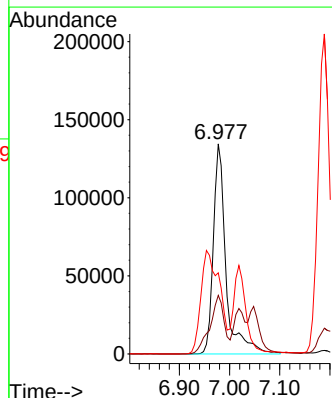
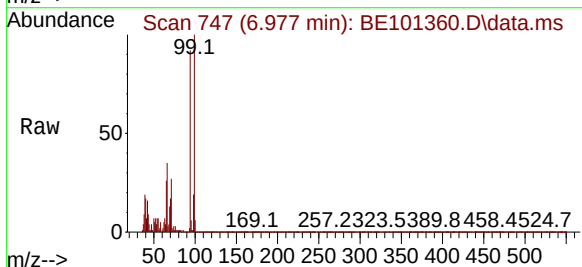
Tgt Ion: 94 Resp: 236543

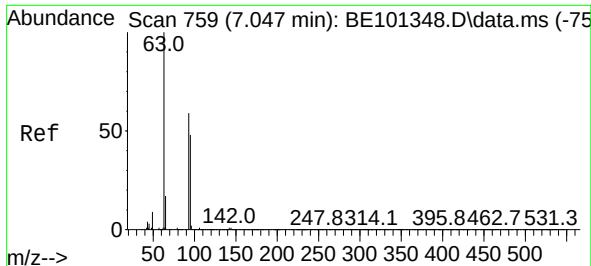
Ion Ratio Lower Upper

94 100

65 27.9 7.1 47.1

66 38.6 13.1 53.1





#11

bis(2-Chloroethyl)ether

Concen: 7.456 ng

RT: 7.048 min Scan# 70

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

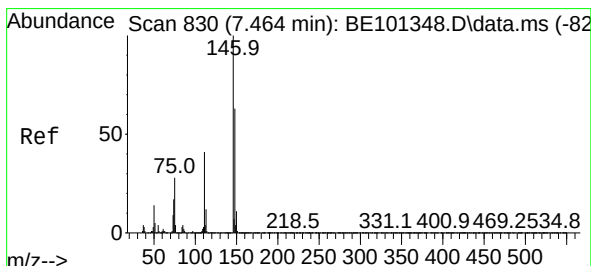
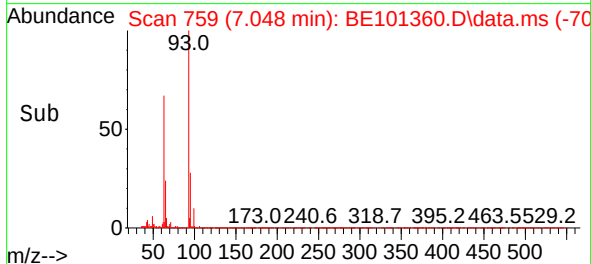
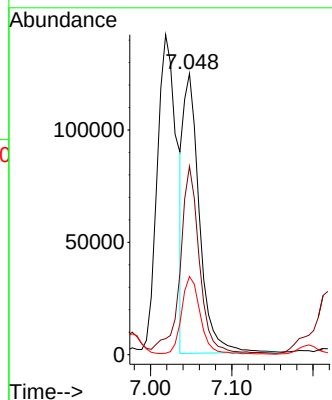
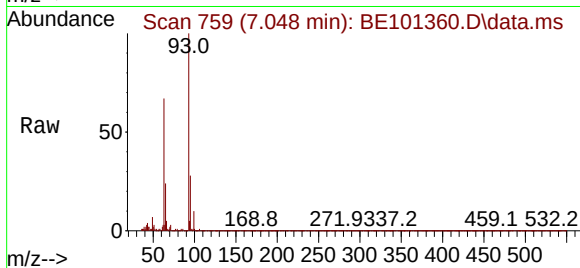
Tgt Ion: 93 Resp: 171367

Ion Ratio Lower Upper

93 100

63 67.0 43.7 83.7

95 27.8 8.7 48.7



#12

1,3-Dichlorobenzene

Concen: 8.210 ng

RT: 7.459 min Scan# 829

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

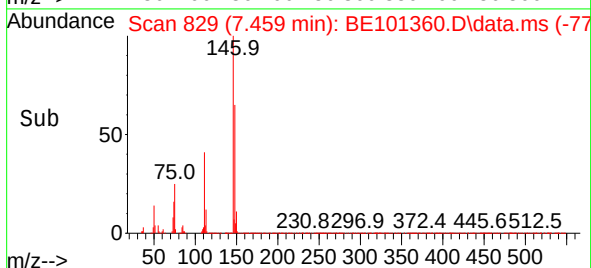
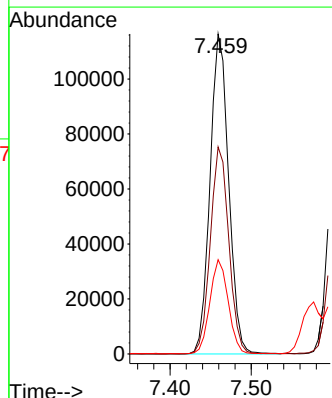
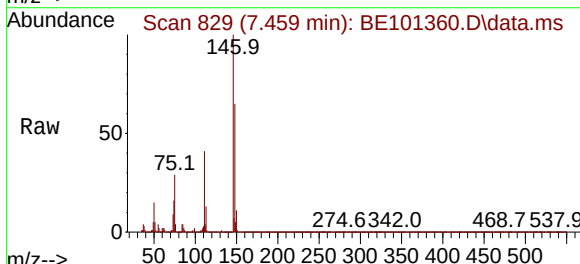
Tgt Ion:146 Resp: 184777

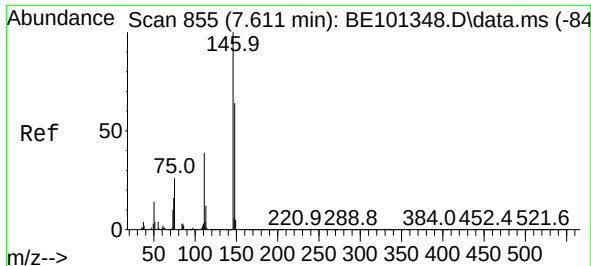
Ion Ratio Lower Upper

146 100

148 64.7 50.8 76.2

75 29.4 22.1 33.1





#13

1,4-Dichlorobenzene

Concen: 8.323 ng

RT: 7.606 min Scan# 855

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

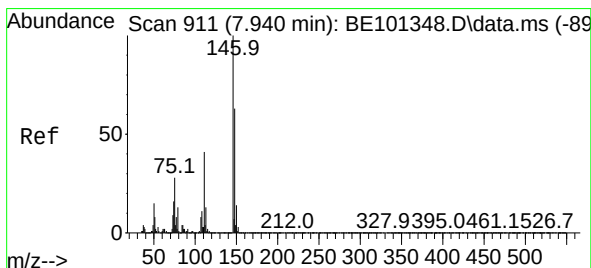
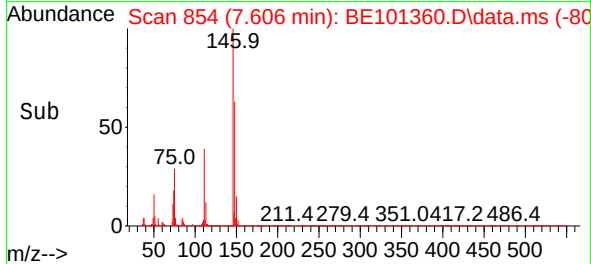
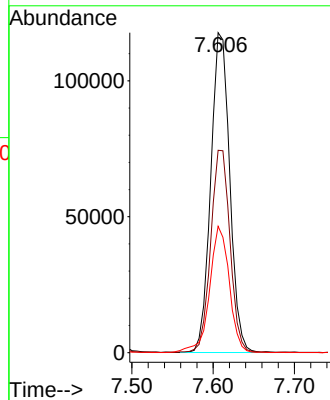
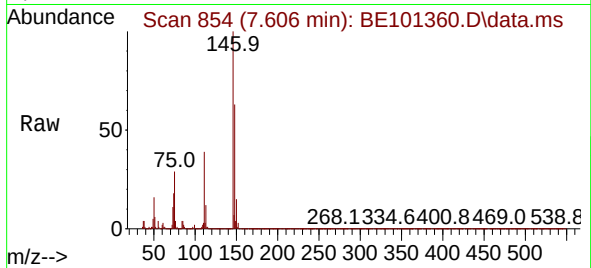
Tgt Ion:146 Resp: 190866

Ion Ratio Lower Upper

146 100

148 63.3 51.1 76.7

111 39.5 31.1 46.7



#14

1,2-Dichlorobenzene

Concen: 8.287 ng

RT: 7.941 min Scan# 911

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

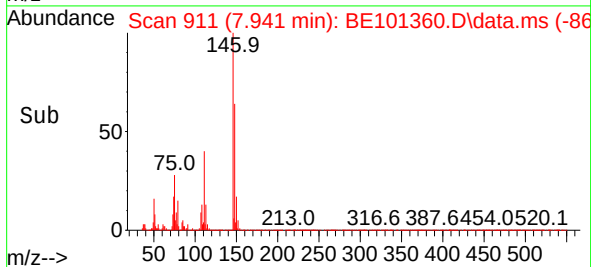
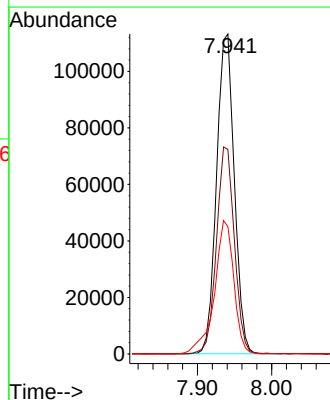
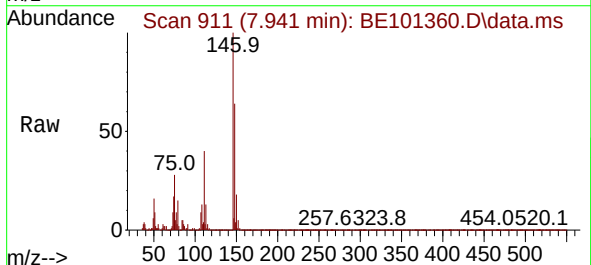
Tgt Ion:146 Resp: 188315

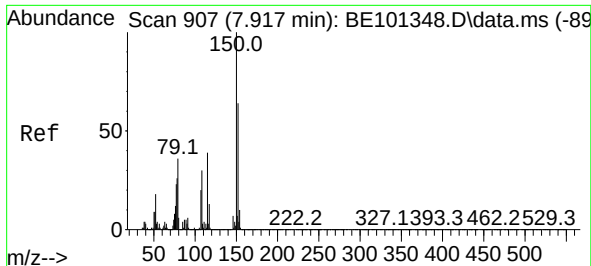
Ion Ratio Lower Upper

146 100

148 63.9 50.4 75.6

111 39.8 32.6 48.8

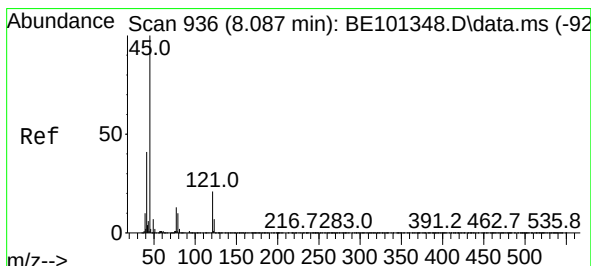
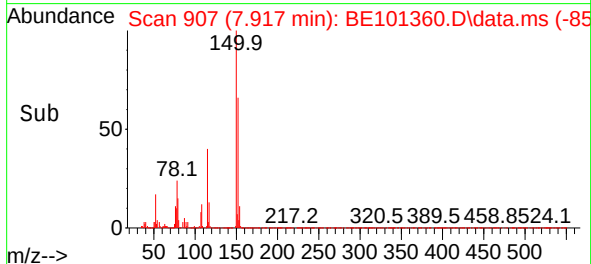
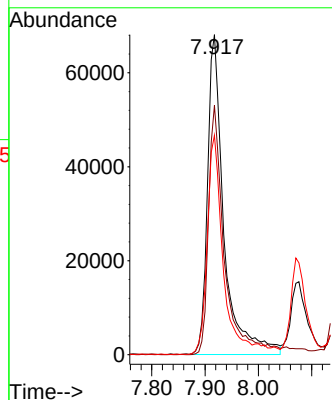
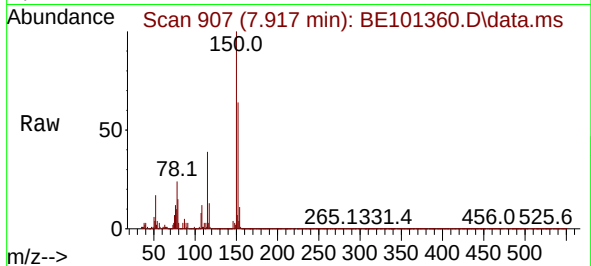




#15
Benzyl Alcohol
Concen: 9.867 ng
RT: 7.917 min Scan# 907
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

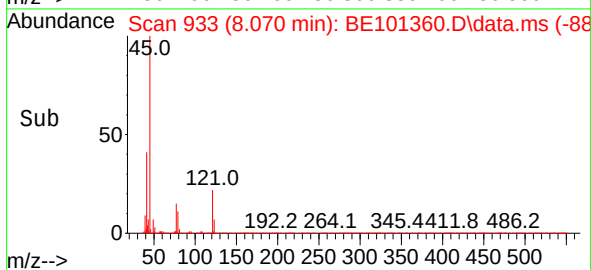
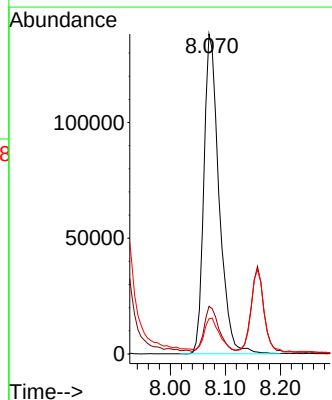
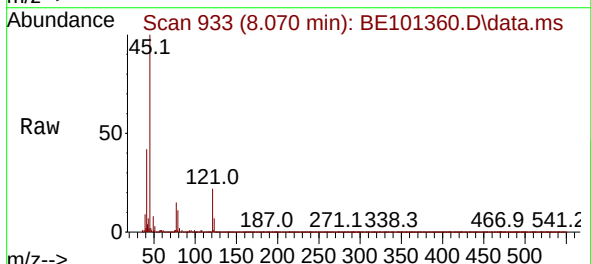
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

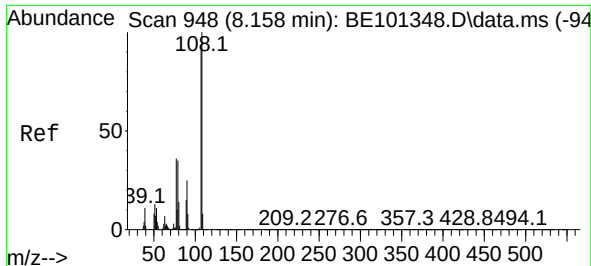
Tgt Ion: 79 Resp: 145150
Ion Ratio Lower Upper
79 100
108 77.9 66.0 99.0
77 68.5 51.0 76.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.143 ng
RT: 8.070 min Scan# 933
Delta R.T. -0.017 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion: 45 Resp: 264842
Ion Ratio Lower Upper
45 100
77 14.9 0.0 34.3
79 11.0 0.0 31.6

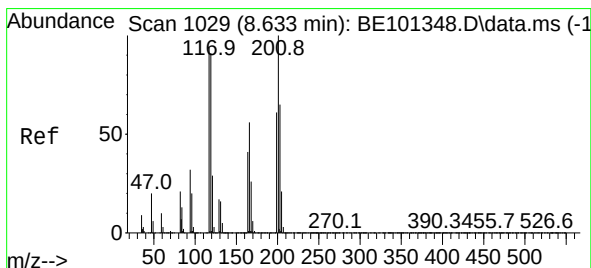
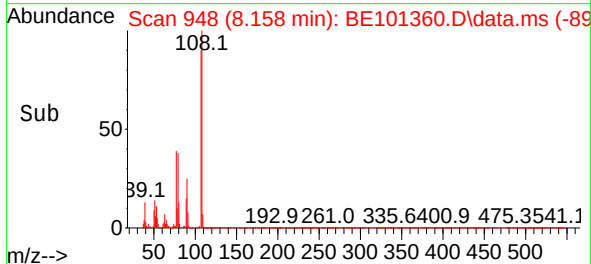
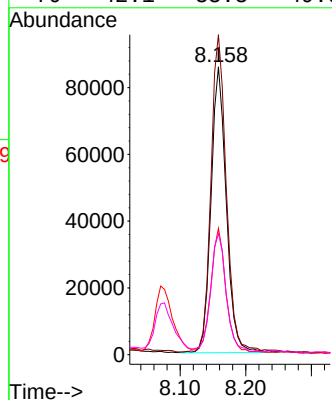
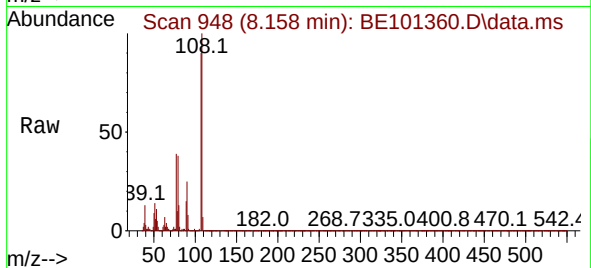




#17
2-Methylphenol
Concen: 7.701 ng
RT: 8.158 min Scan# 948
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

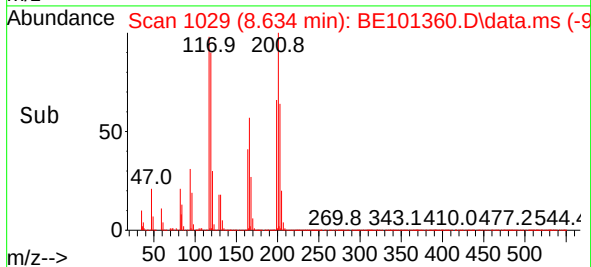
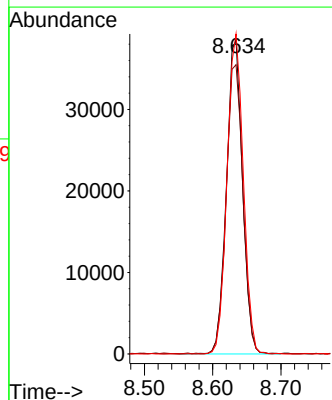
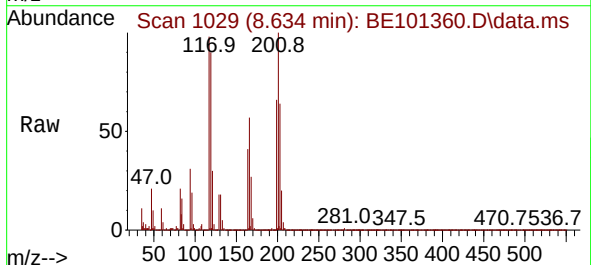
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

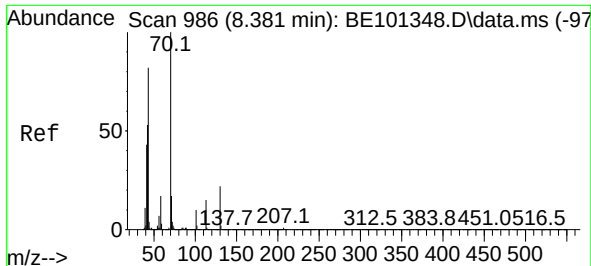
Tgt Ion:	107	Resp:	138571
Ion	Ratio	Lower	Upper
107	100		
108	111.2	88.2	132.2
77	43.9	34.9	52.3
79	42.1	33.3	49.9



#18
Hexachloroethane
Concen: 8.429 ng
RT: 8.634 min Scan# 1029
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:	117	Resp:	63216
Ion	Ratio	Lower	Upper
117	100		
119	92.2	77.4	116.2
201	103.6	84.8	127.2





#19

n-Nitroso-di-n-propylamine

Concen: 8.943 ng

RT: 8.376 min Scan# 9

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 70 Resp: 155942

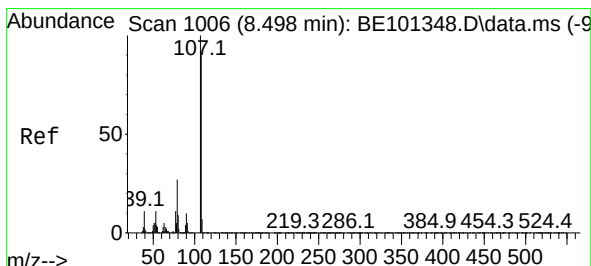
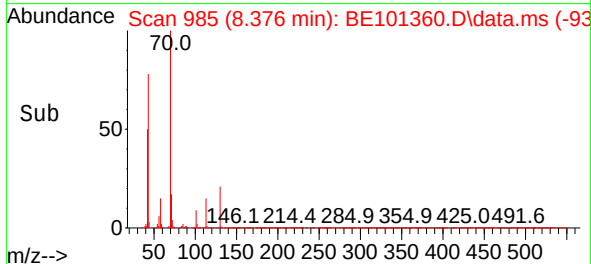
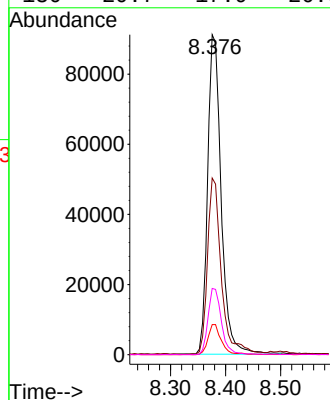
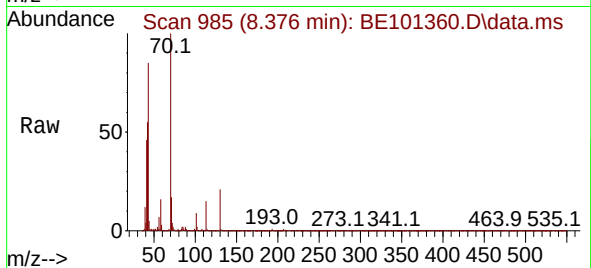
Ion Ratio Lower Upper

70 100

42 55.2 42.5 63.7

101 9.4 7.8 11.6

130 20.7 17.9 26.9



#20

3+4-Methylphenols

Concen: 7.483 ng

RT: 8.499 min Scan# 1006

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Tgt Ion:107 Resp: 189450

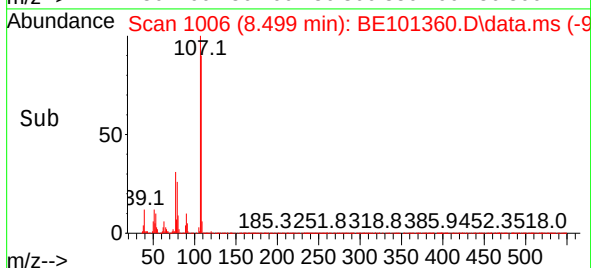
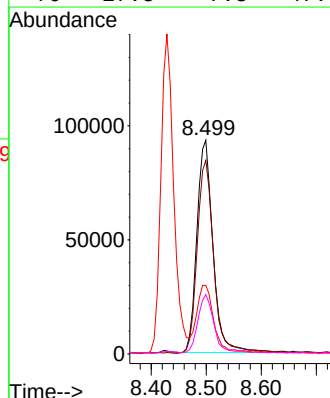
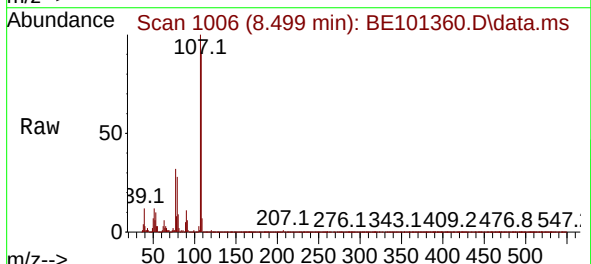
Ion Ratio Lower Upper

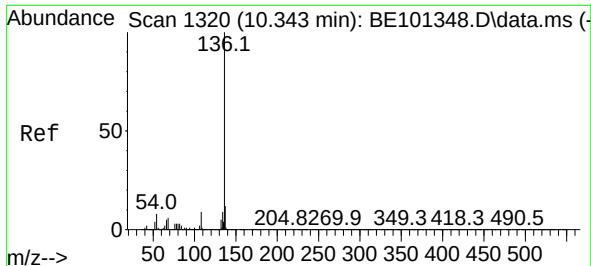
107 100

108 90.5 70.4 110.4

77 32.1 12.5 52.5

79 27.8 7.3 47.3

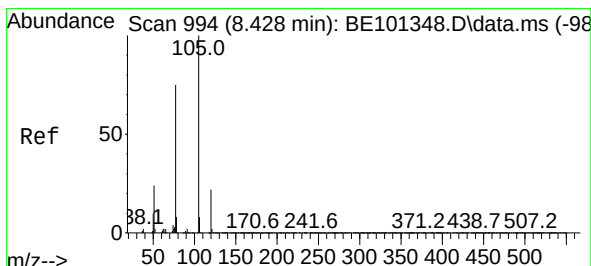
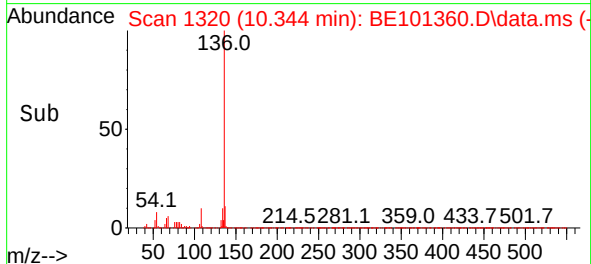
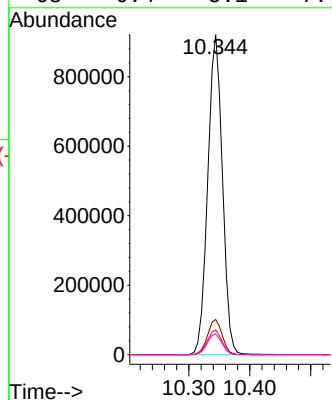
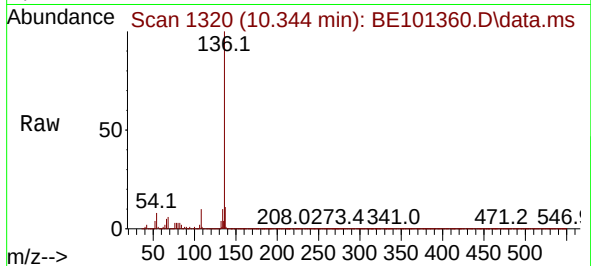




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.344 min Scan# 1320
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

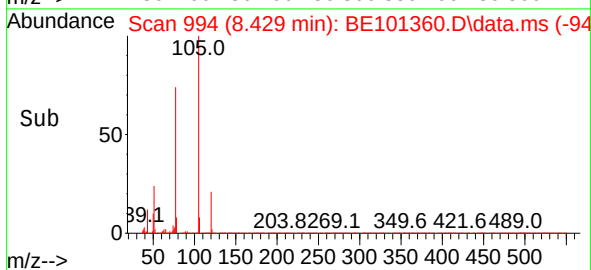
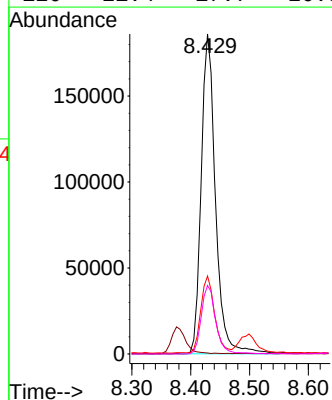
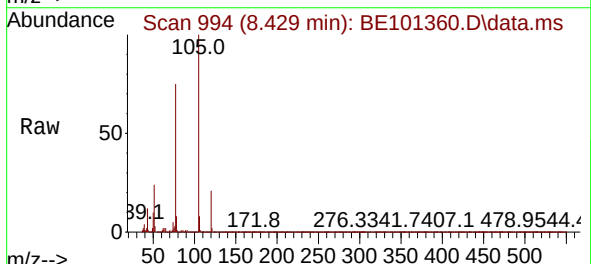
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

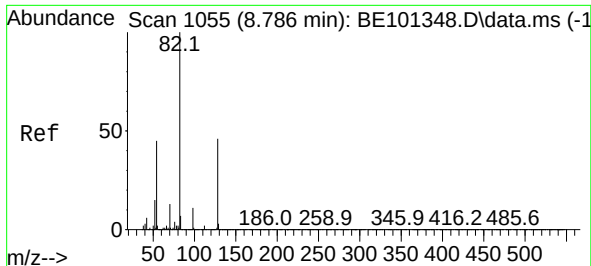
Tgt Ion:136 Resp: 1539971
Ion Ratio Lower Upper
136 100
137 11.0 9.3 13.9
54 7.7 6.1 9.1
68 6.4 5.1 7.7



#22
Acetophenone
Concen: 8.776 ng
RT: 8.429 min Scan# 994
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:105 Resp: 313392
Ion Ratio Lower Upper
105 100
71 0.3 0.1 0.1#
51 24.3 19.0 28.4
120 21.4 17.7 26.5





#23

Nitrobenzene-d5

Concen: 72.457 ng

RT: 8.787 min Scan# 1055

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

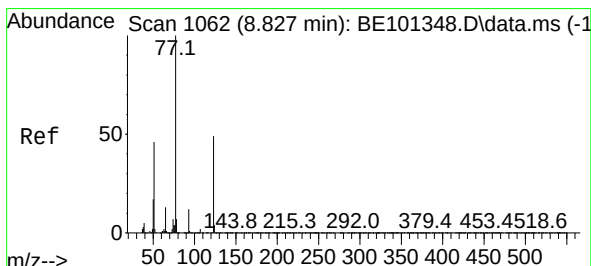
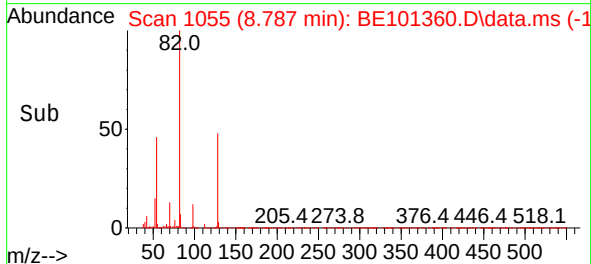
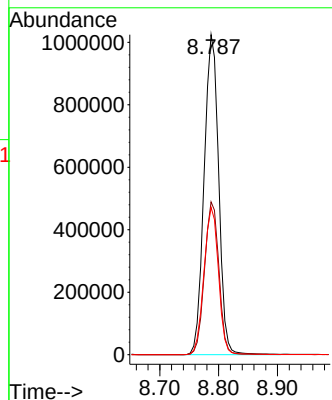
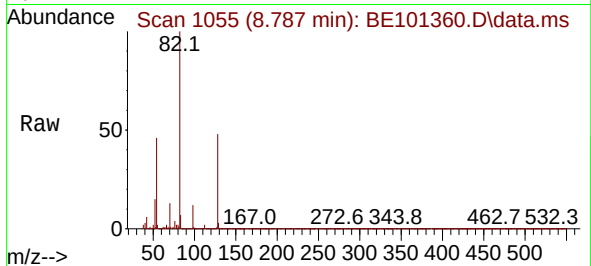
Tgt Ion: 82 Resp: 1760009

Ion Ratio Lower Upper

82 100

128 47.8 36.8 55.2

54 46.0 36.2 54.4



#24

Nitrobenzene

Concen: 8.581 ng

RT: 8.828 min Scan# 1062

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

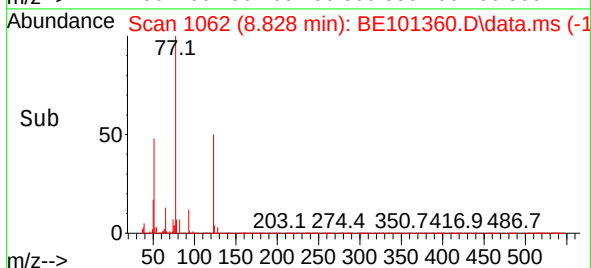
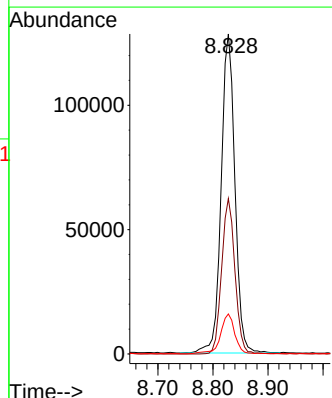
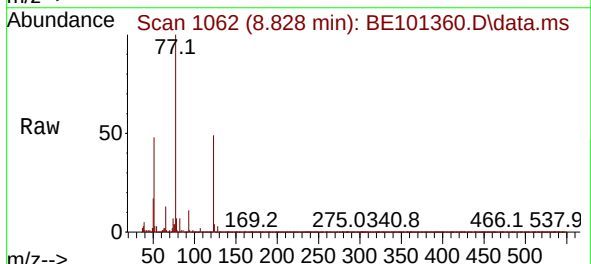
Tgt Ion: 77 Resp: 222521

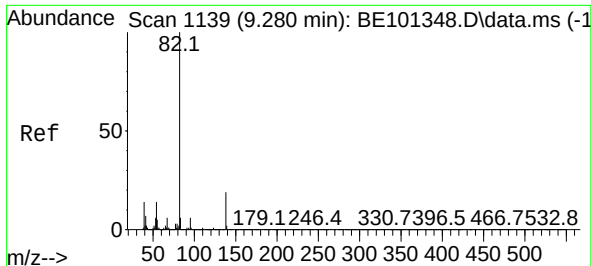
Ion Ratio Lower Upper

77 100

123 48.6 39.0 58.4

65 12.5 10.2 15.4

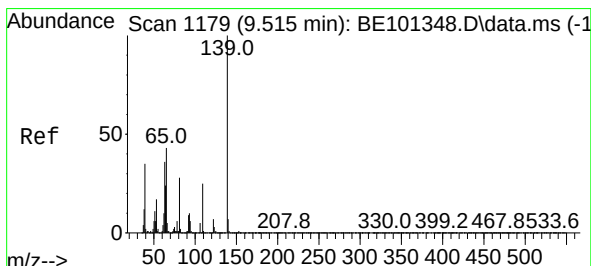
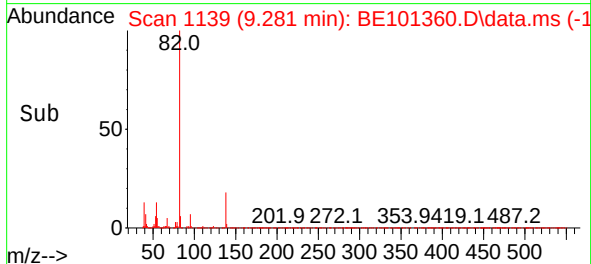
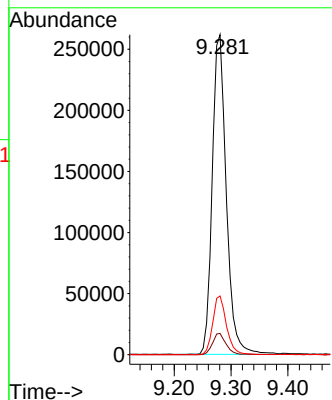
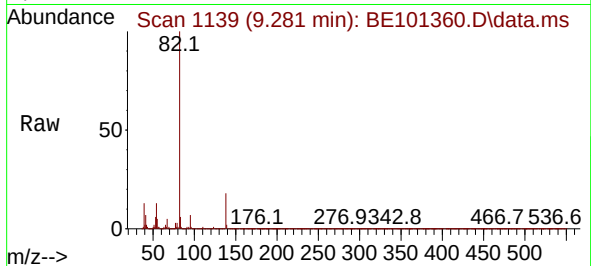




#25
Isophorone
Concen: 9.024 ng
RT: 9.281 min Scan# 1139
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

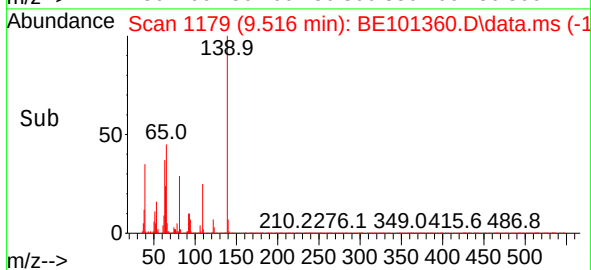
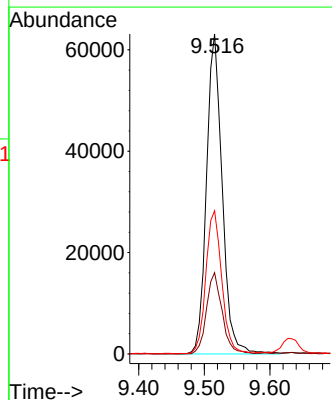
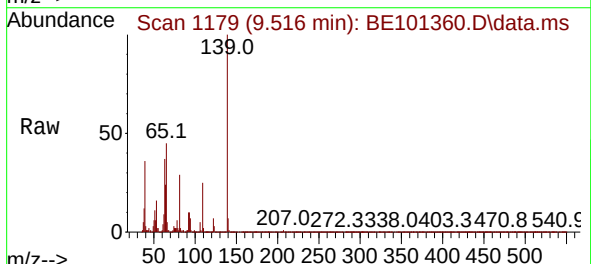
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

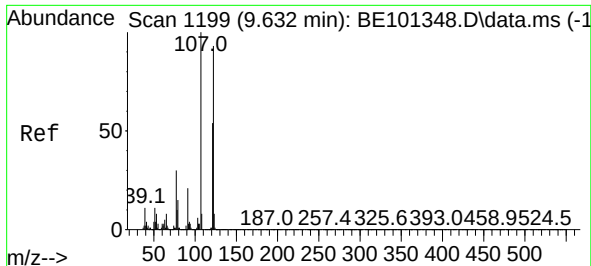
Tgt Ion: 82 Resp: 448734
Ion Ratio Lower Upper
82 100
95 6.6 5.2 7.8
138 18.3 15.0 22.6



#26
2-Nitrophenol
Concen: 8.596 ng
RT: 9.516 min Scan# 1179
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:139 Resp: 105205
Ion Ratio Lower Upper
139 100
109 25.4 19.8 29.6
65 44.7 34.6 52.0

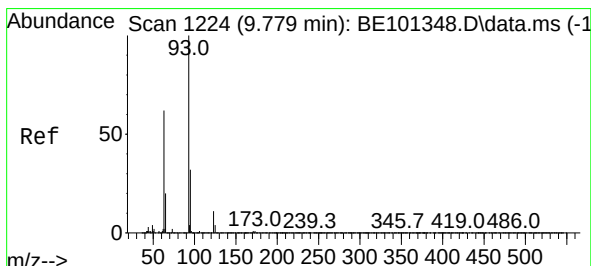
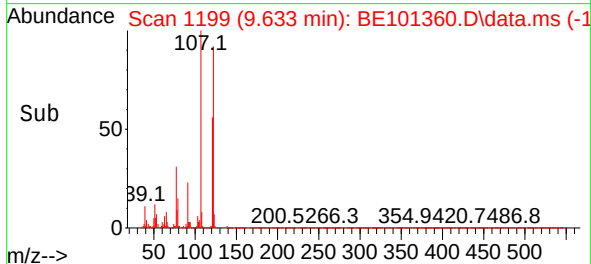
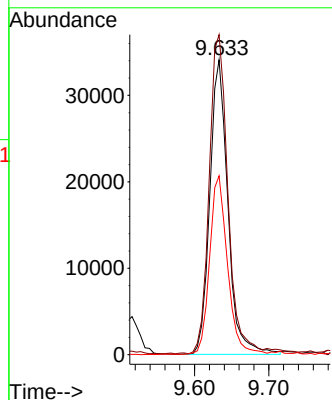
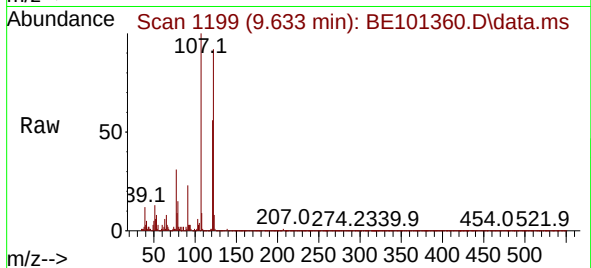




#27
2,4-Dimethylphenol
Concen: 3.680 ng
RT: 9.633 min Scan# 1199
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

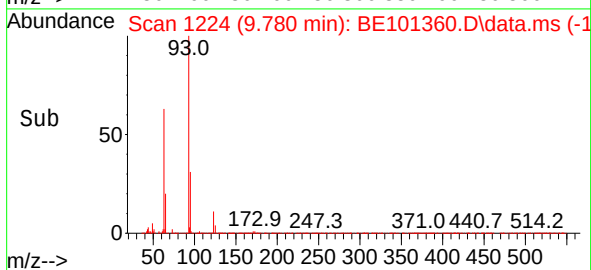
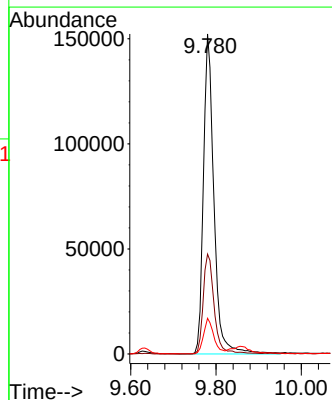
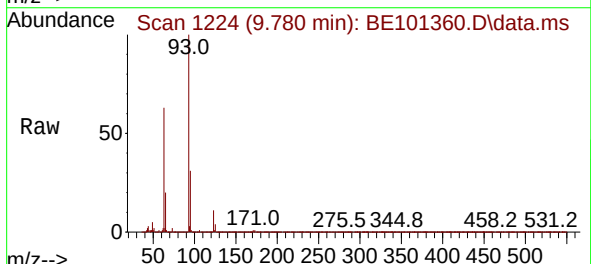
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

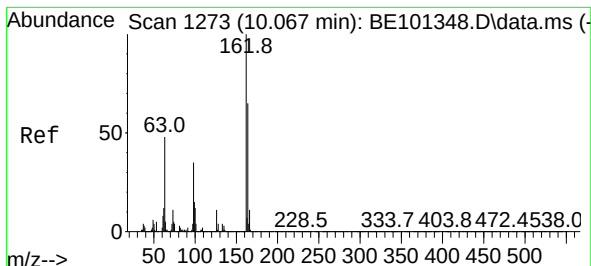
Tgt Ion:122 Resp: 57821
Ion Ratio Lower Upper
122 100
107 108.5 86.4 129.6
121 60.7 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 8.661 ng
RT: 9.780 min Scan# 1224
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion: 93 Resp: 260505
Ion Ratio Lower Upper
93 100
95 31.2 26.0 39.0
123 11.2 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 8.294 ng

RT: 10.062 min Scan# 1272

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

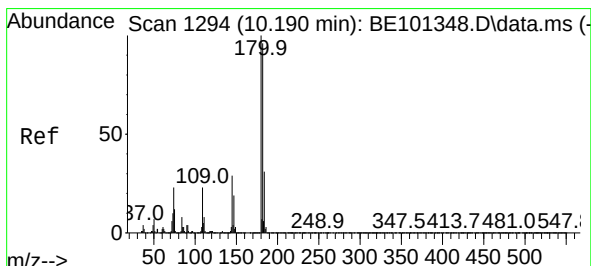
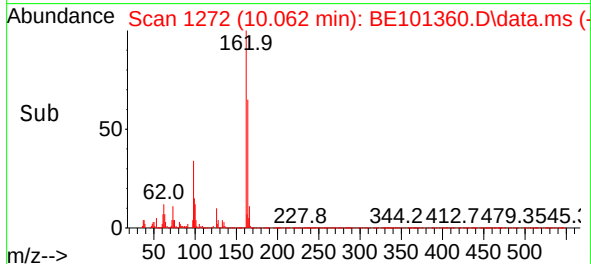
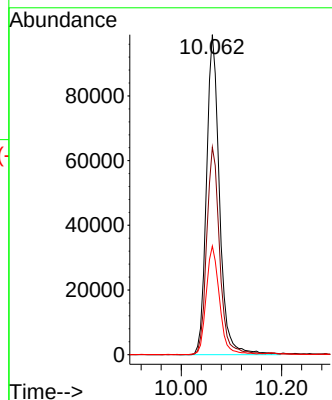
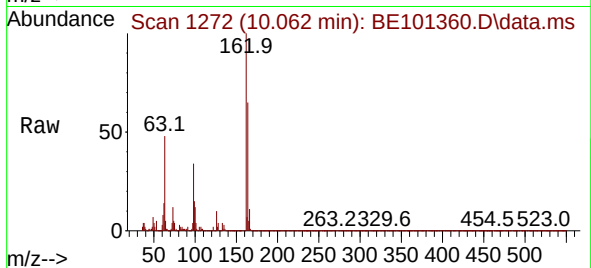
Tgt Ion:162 Resp: 178469

Ion Ratio Lower Upper

162 100

164 64.8 44.6 84.6

98 33.9 14.7 54.7



#30

1,2,4-Trichlorobenzene

Concen: 8.359 ng

RT: 10.185 min Scan# 1293

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

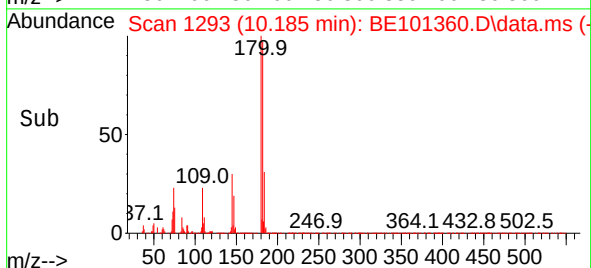
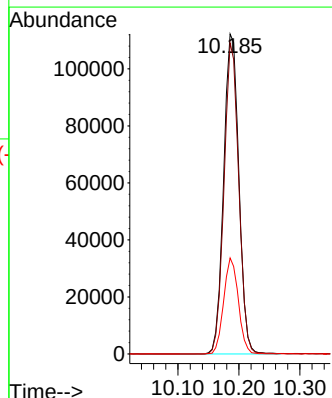
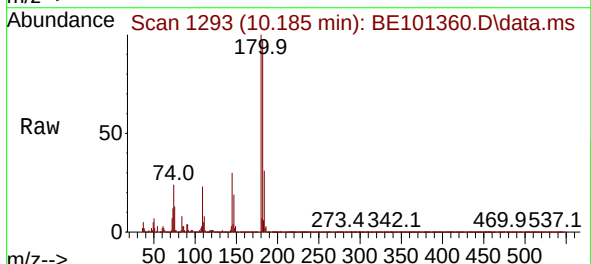
Tgt Ion:180 Resp: 194381

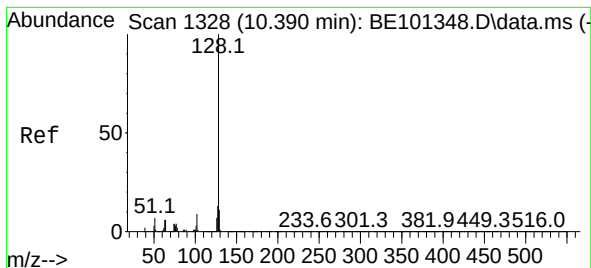
Ion Ratio Lower Upper

180 100

182 97.1 76.6 114.8

145 30.0 23.5 35.3





#31

Naphthalene

Concen: 8.405 ng

RT: 10.391 min Scan# 1328

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

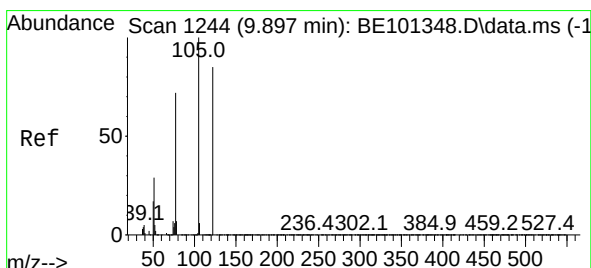
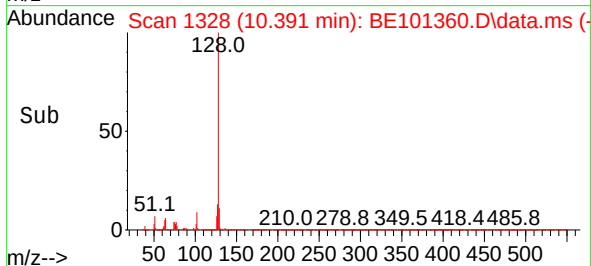
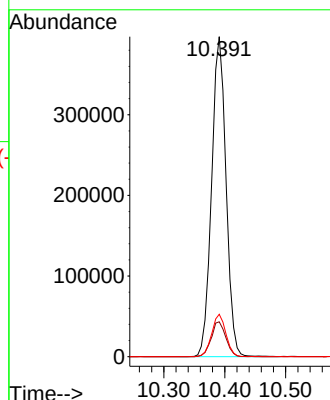
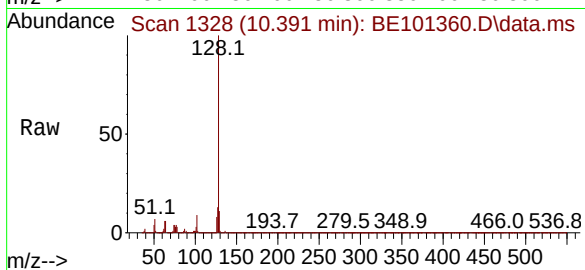
Tgt Ion:128 Resp: 653052

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.2 10.3 15.5



#32

Benzoic acid

Concen: 14.725 ng

RT: 9.862 min Scan# 1238

Delta R.T. -0.035 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

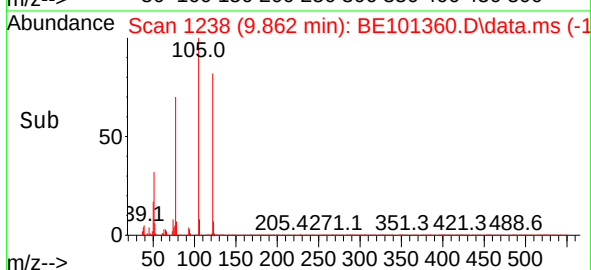
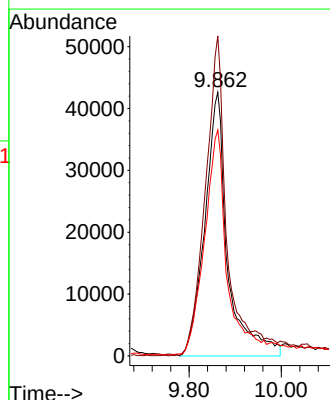
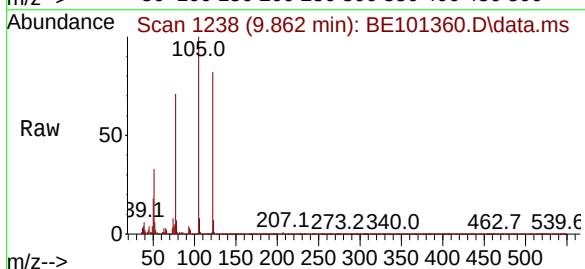
Tgt Ion:122 Resp: 145973

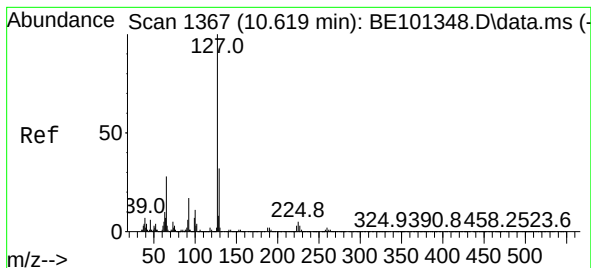
Ion Ratio Lower Upper

122 100

105 121.4 96.7 136.7

77 85.7 64.8 104.8





#33

4-Chloroaniline

Concen: 8.811 ng

RT: 10.614 min Scan# 1366

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:127 Resp: 261941

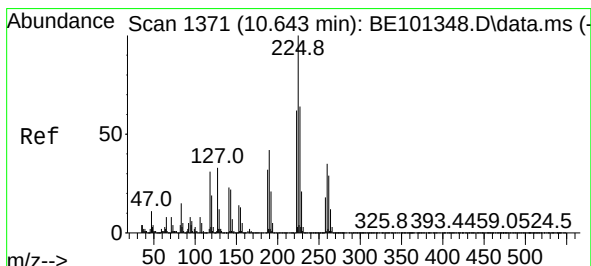
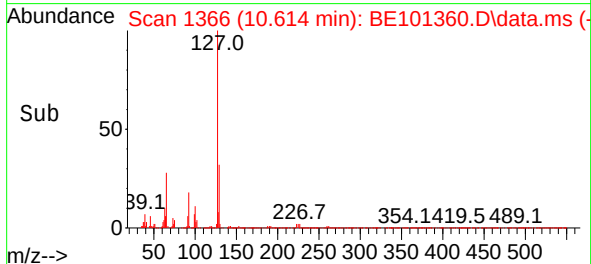
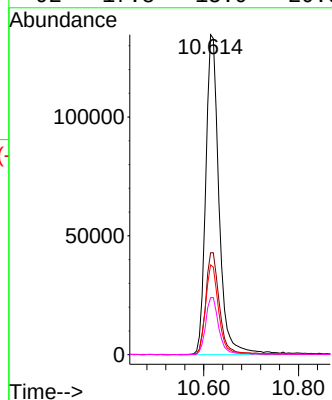
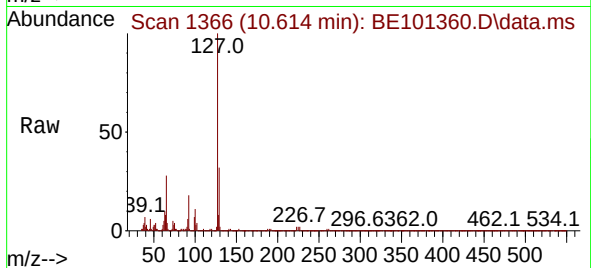
Ion Ratio Lower Upper

127 100

129 31.9 25.8 38.8

65 28.0 22.5 33.7

92 17.8 13.9 20.9



#34

Hexachlorobutadiene

Concen: 8.049 ng

RT: 10.638 min Scan# 1370

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

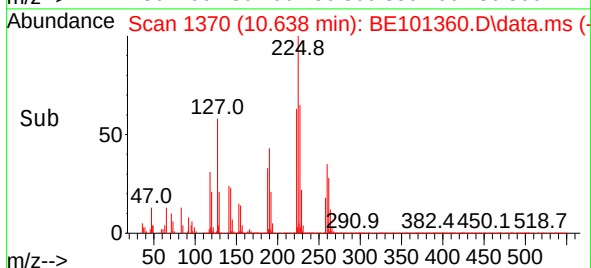
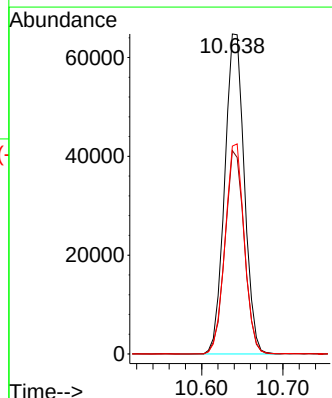
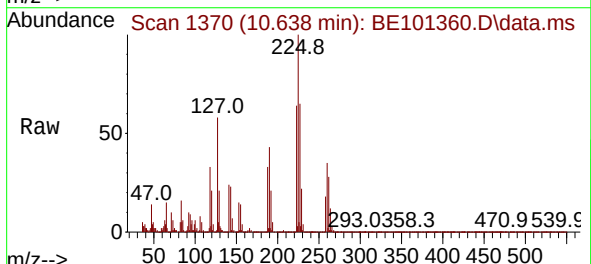
Tgt Ion:225 Resp: 108741

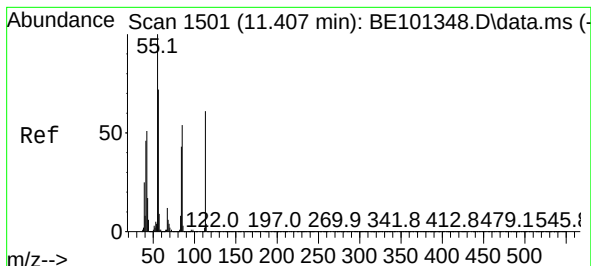
Ion Ratio Lower Upper

225 100

223 63.5 49.8 74.8

227 67.7 51.3 76.9





#35

Caprolactam

Concen: 8.348 ng

RT: 11.419 min Scan# 1503

Delta R.T. 0.013 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

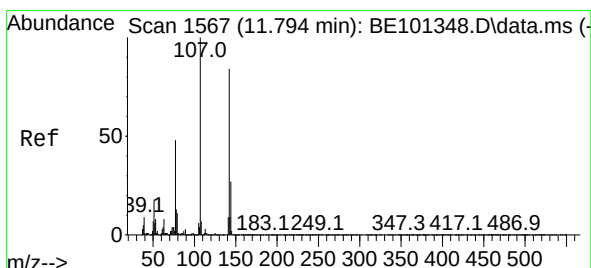
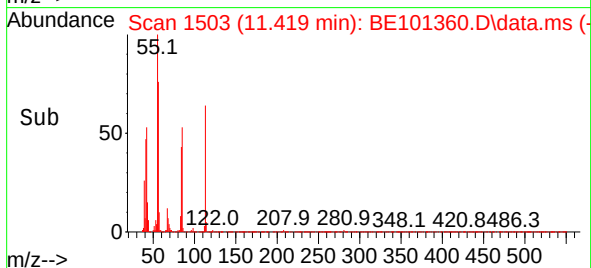
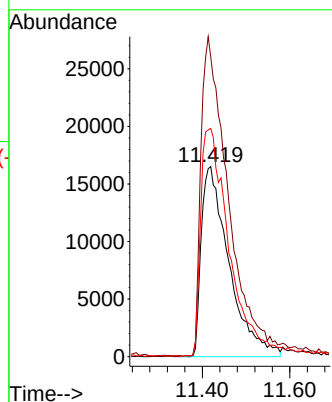
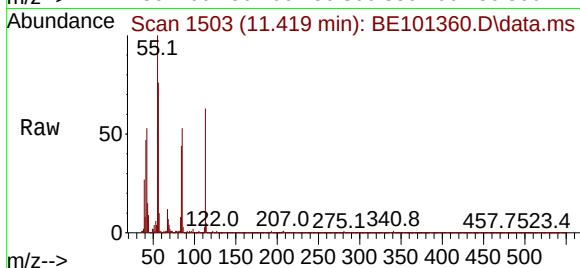
Tgt Ion:113 Resp: 72563

Ion Ratio Lower Upper

113 100

55 157.6 144.8 184.8

56 120.2 99.3 139.3



#36

4-Chloro-3-methylphenol

Concen: 7.917 ng

RT: 11.789 min Scan# 1566

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

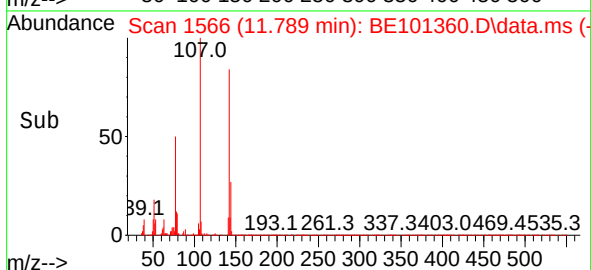
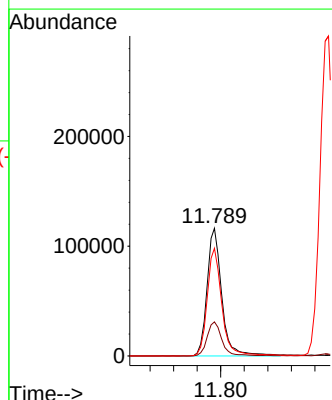
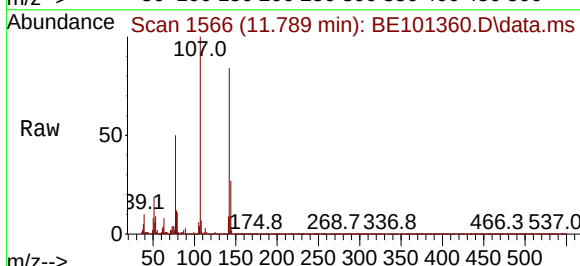
Tgt Ion:107 Resp: 201298

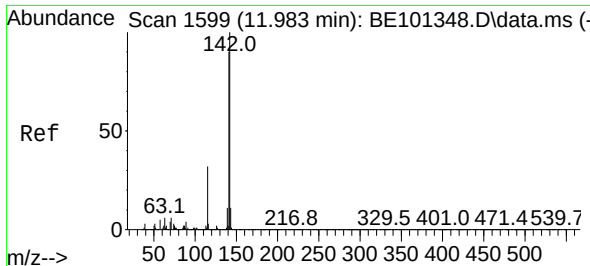
Ion Ratio Lower Upper

107 100

144 26.7 21.9 32.9

142 84.3 67.4 101.2

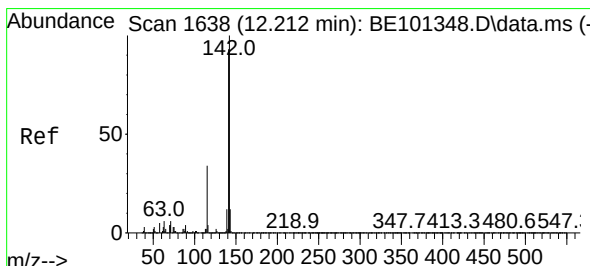
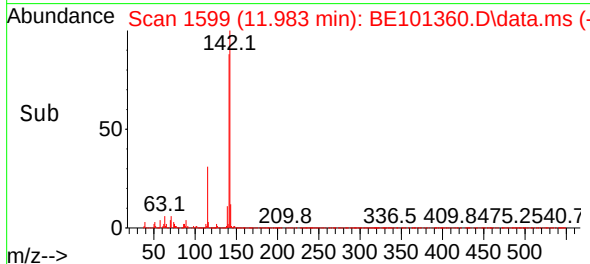
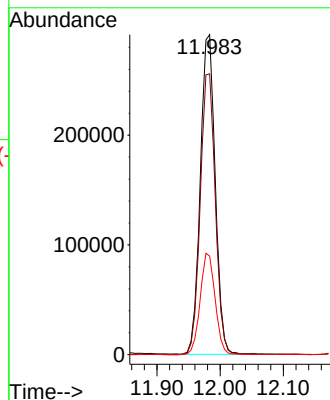
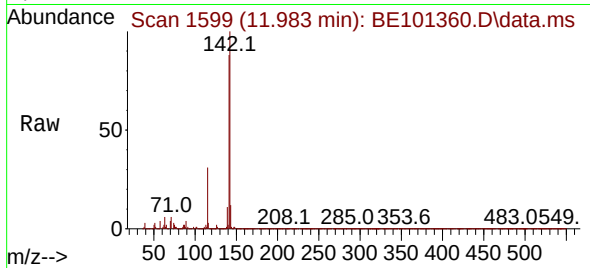




#37
2-Methylnaphthalene
Concen: 8.406 ng
RT: 11.983 min Scan# 1599
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

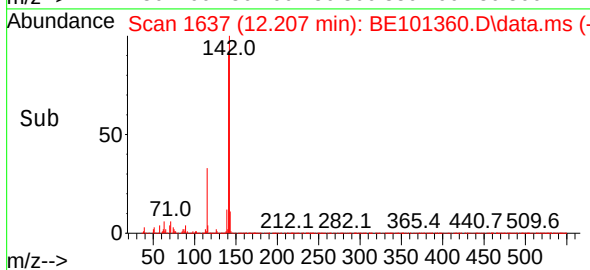
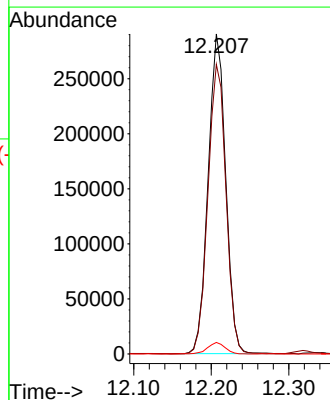
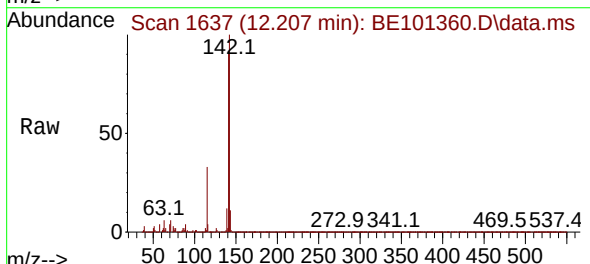
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

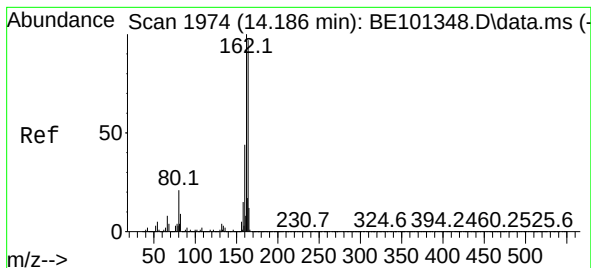
Tgt Ion:142 Resp: 477706
Ion Ratio Lower Upper
142 100
141 87.8 71.8 107.6
115 30.8 25.6 38.4



#38
1-Methylnaphthalene
Concen: 8.008 ng
RT: 12.207 min Scan# 1637
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:142 Resp: 456533
Ion Ratio Lower Upper
142 100
141 90.5 74.3 111.5
116 3.6 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.187 min Scan# 1

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

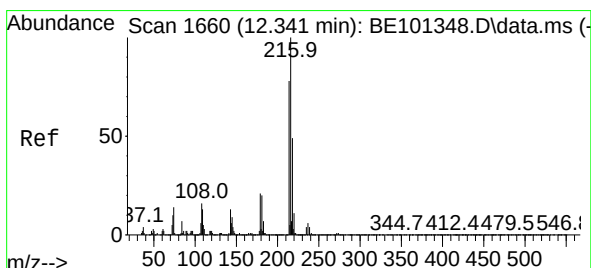
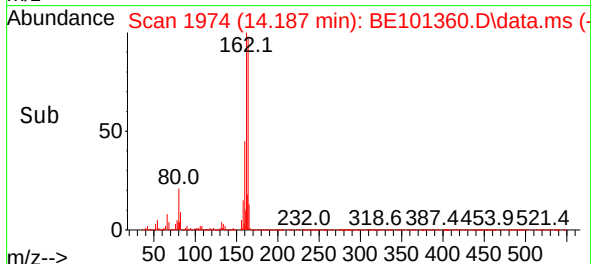
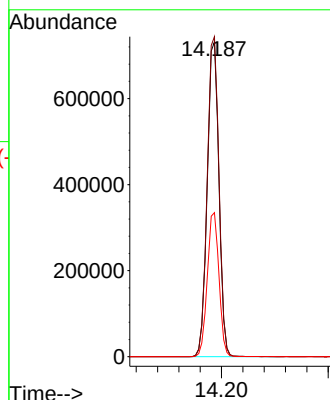
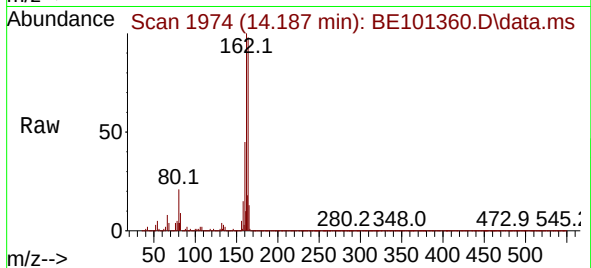
Tgt Ion:164 Resp: 1107256

Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

160 45.8 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.624 ng

RT: 12.336 min Scan# 1659

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Tgt Ion:216 Resp: 230022

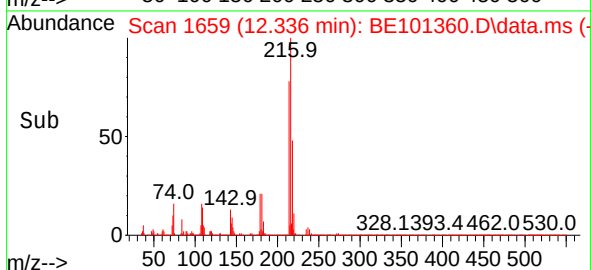
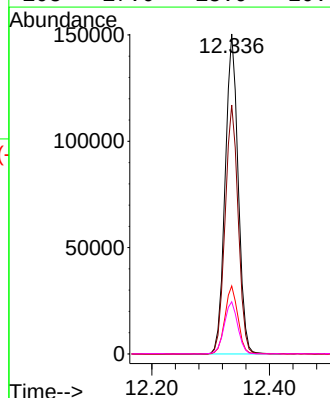
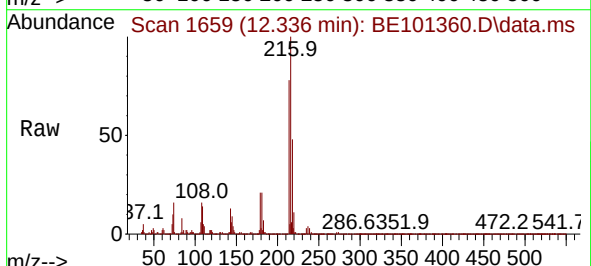
Ion Ratio Lower Upper

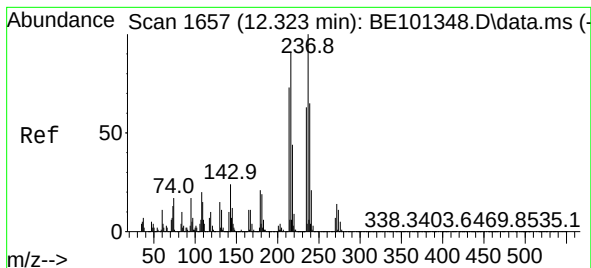
216 100

214 78.5 62.6 94.0

179 21.1 16.9 25.3

108 17.0 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 4.125 ng

RT: 12.318 min Scan# 1656

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

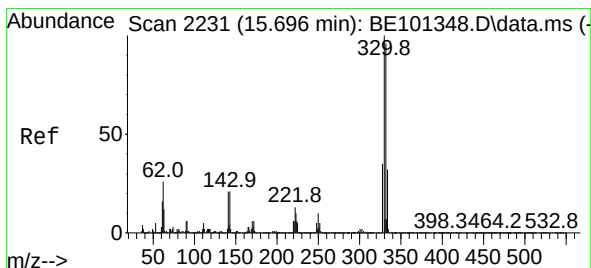
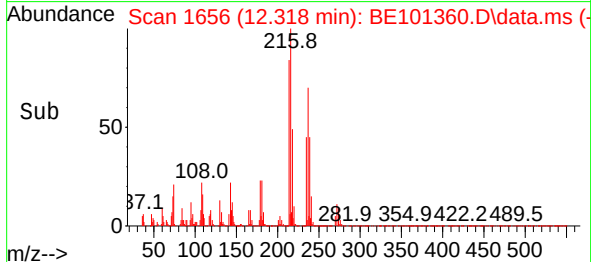
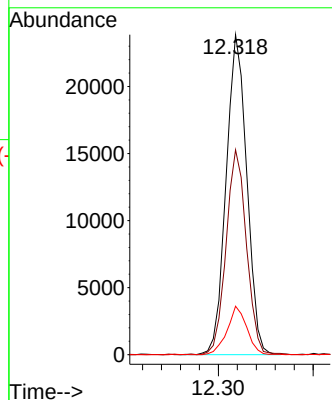
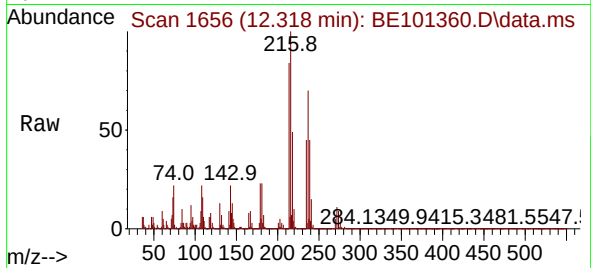
Tgt Ion:237 Resp: 36151

Ion Ratio Lower Upper

237 100

235 64.0 42.9 82.9

272 15.2 0.0 34.0



#42

2,4,6-Tribromophenol

Concen: 104.801 ng

RT: 15.697 min Scan# 2231

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

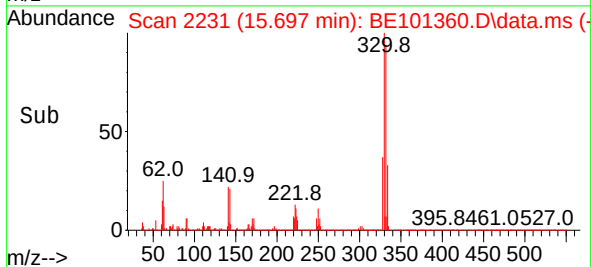
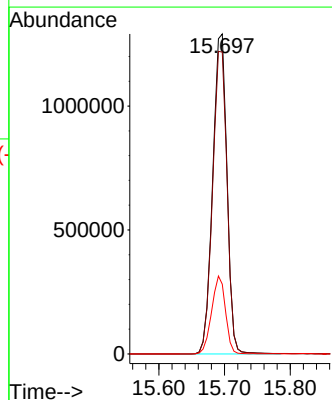
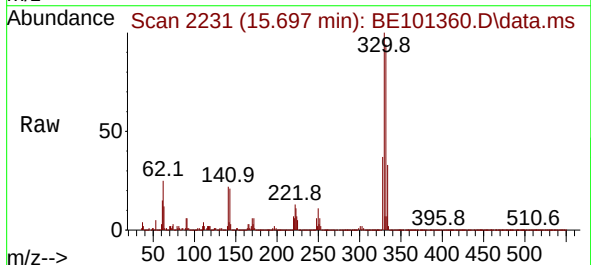
Tgt Ion:330 Resp: 1951766

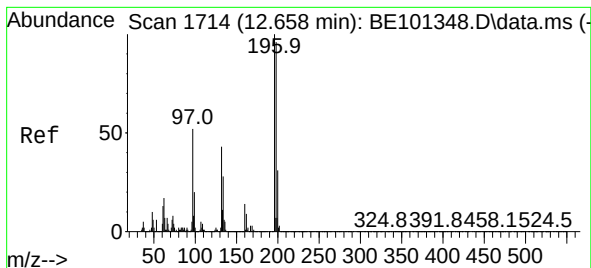
Ion Ratio Lower Upper

330 100

332 96.3 77.8 116.8

141 23.7 19.1 28.7





#43

2,4,6-Trichlorophenol

Concen: 8.291 ng

RT: 12.659 min Scan# 1714

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

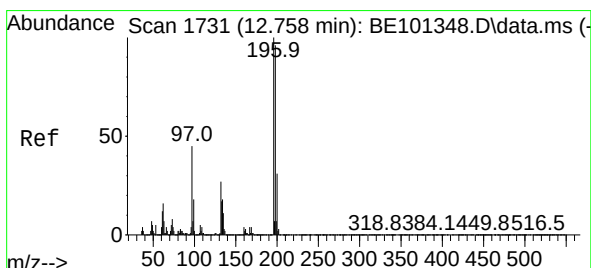
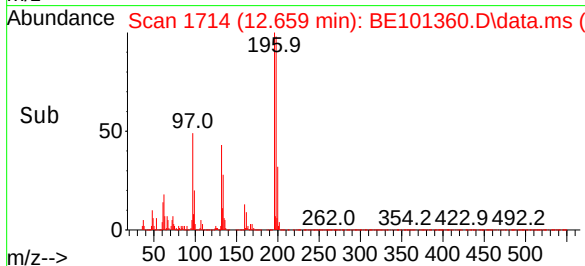
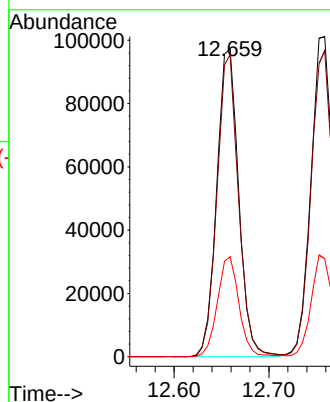
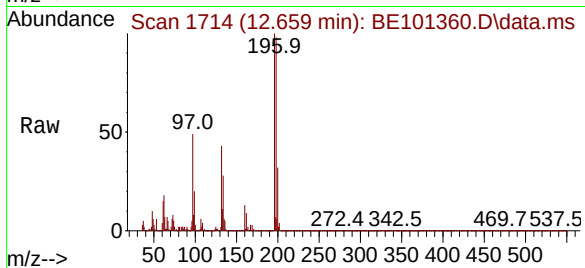
Tgt Ion:196 Resp: 156622

Ion Ratio Lower Upper

196 100

198 98.0 76.8 115.2

200 32.5 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 8.186 ng

RT: 12.759 min Scan# 1731

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Tgt Ion:196 Resp: 174464

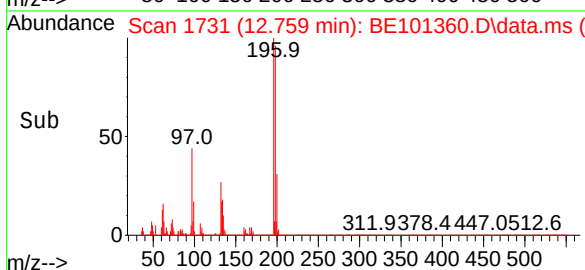
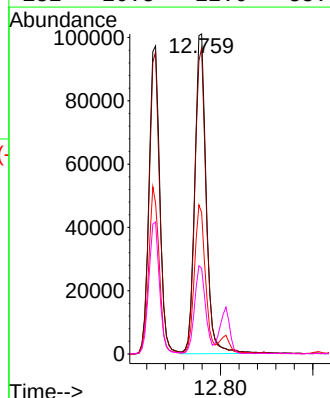
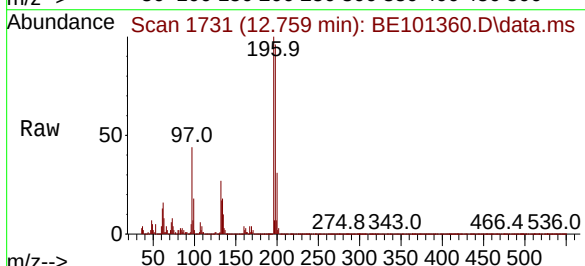
Ion Ratio Lower Upper

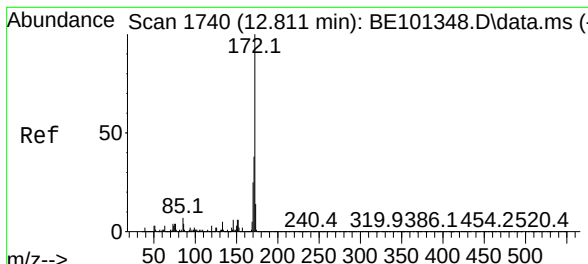
196 100

198 95.6 76.9 115.3

97 44.1 36.2 54.2

132 26.8 22.0 33.0



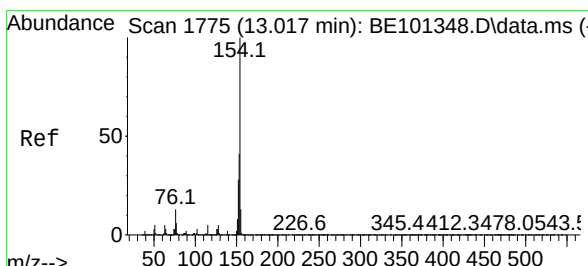
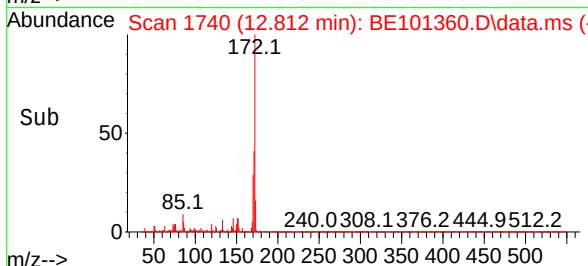
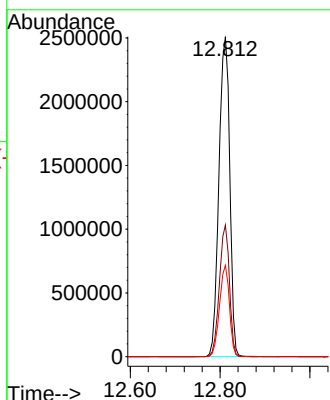
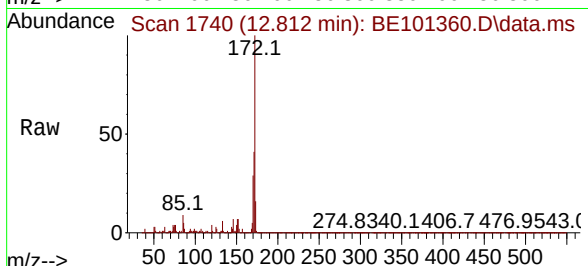


#45
2-Fluorobiphenyl
Concen: 65.234 ng
RT: 12.812 min Scan# 1740
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

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

Tgt Ion:172 Resp: 4179891

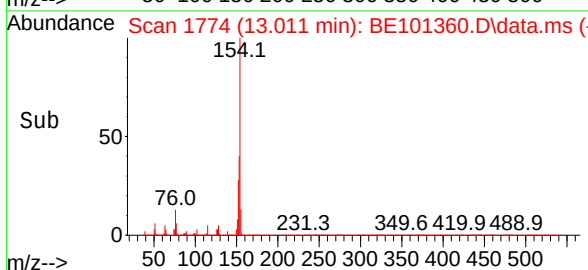
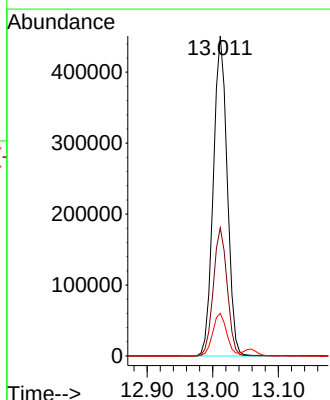
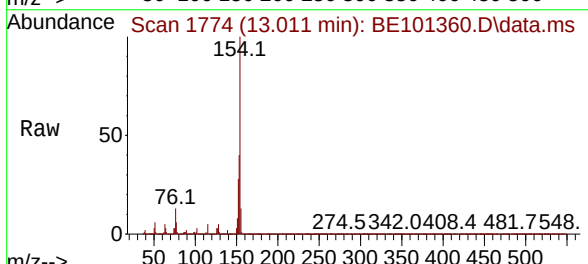
Ion	Ratio	Lower	Upper
172	100		
171	41.2	30.2	45.2
170	28.5	20.2	30.4

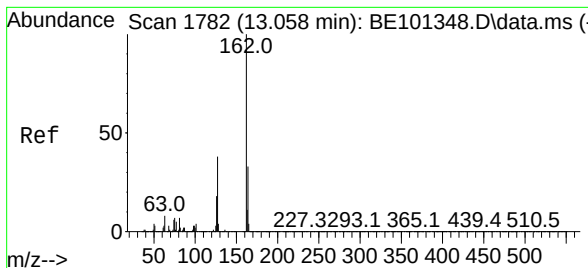


#46
1,1'-Biphenyl
Concen: 8.847 ng
RT: 13.011 min Scan# 1774
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:154 Resp: 663796

Ion	Ratio	Lower	Upper
154	100		
153	40.1	21.2	61.2
76	13.3	0.0	33.4





#47

2-Chloronaphthalene

Concen: 8.432 ng

RT: 13.058 min Scan# 1782

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

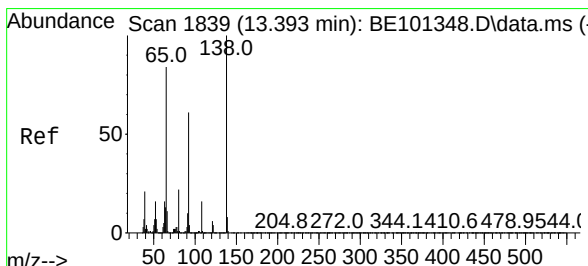
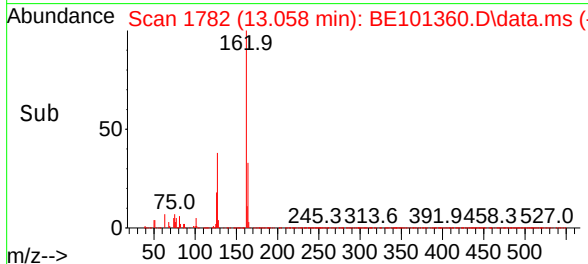
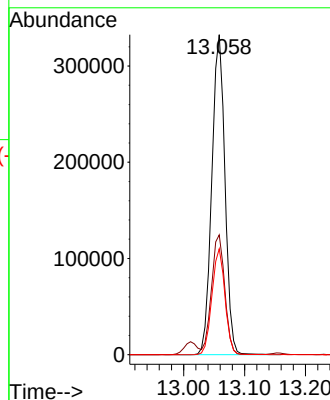
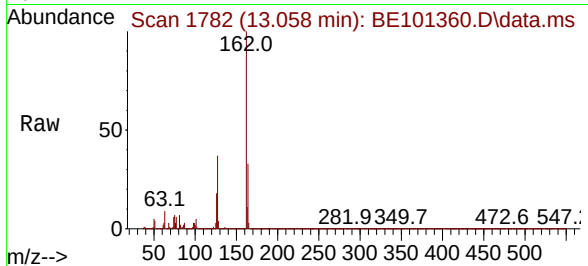
Tgt Ion:162 Resp: 497687

Ion Ratio Lower Upper

162 100

127 37.4 31.2 46.8

164 33.1 26.2 39.2



#48

2-Nitroaniline

Concen: 8.386 ng

RT: 13.387 min Scan# 1838

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

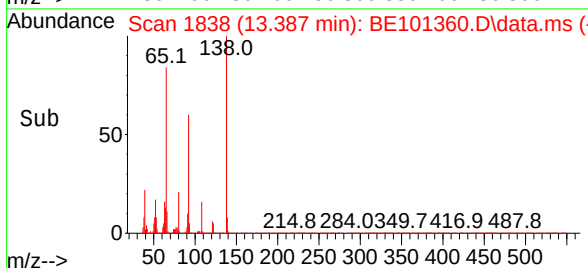
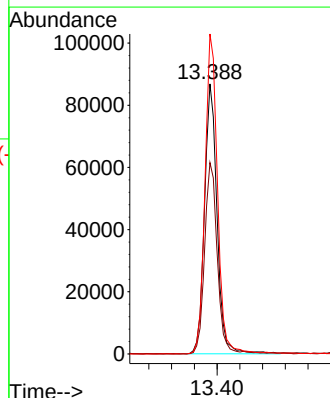
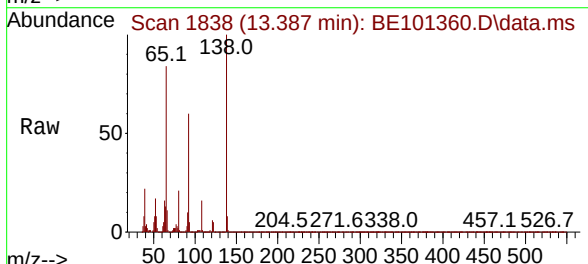
Tgt Ion: 65 Resp: 133170

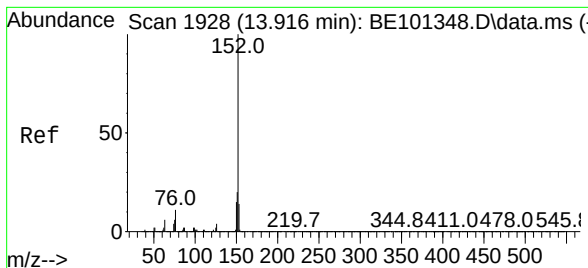
Ion Ratio Lower Upper

65 100

92 70.9 58.3 87.5

138 118.5 95.0 142.4





#49

Acenaphthylene

Concen: 9.258 ng

RT: 13.916 min Scan# 1928

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

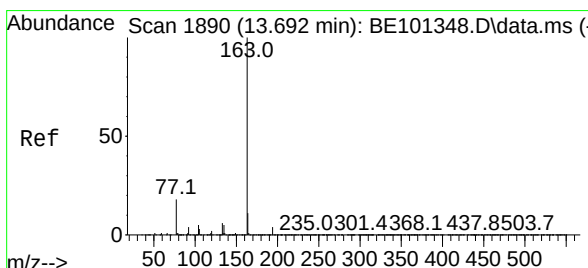
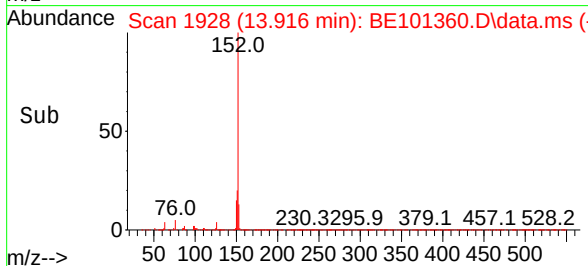
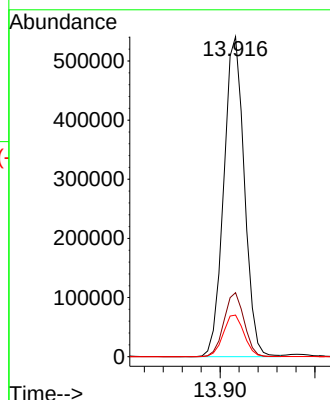
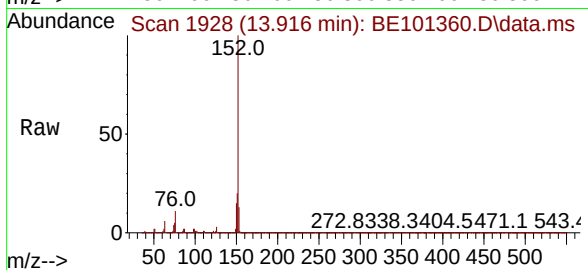
Tgt Ion:152 Resp: 815324

Ion Ratio Lower Upper

152 100

151 20.0 16.4 24.6

153 13.0 11.1 16.7



#50

Dimethylphthalate

Concen: 8.503 ng

RT: 13.687 min Scan# 1889

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

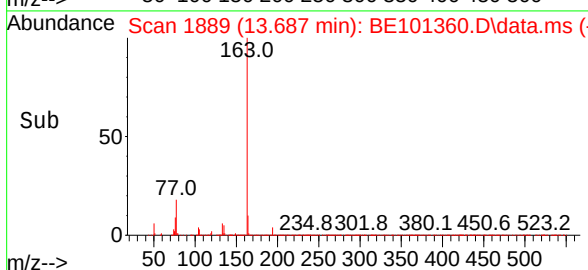
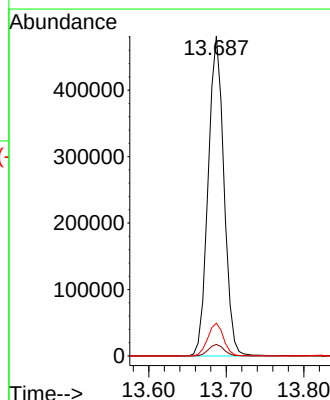
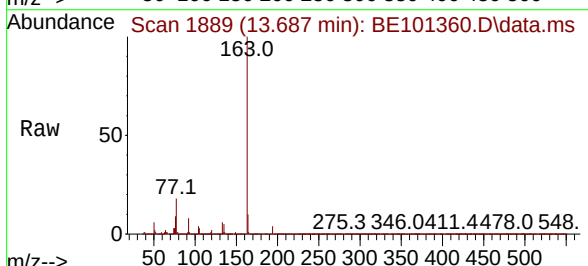
Tgt Ion:163 Resp: 679383

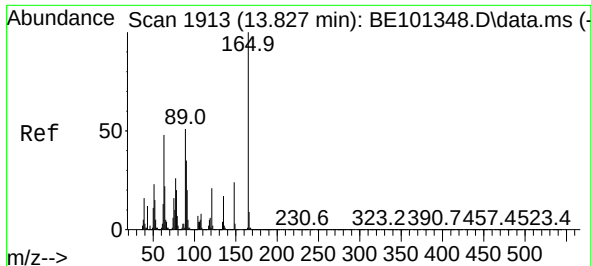
Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

164 10.2 8.5 12.7

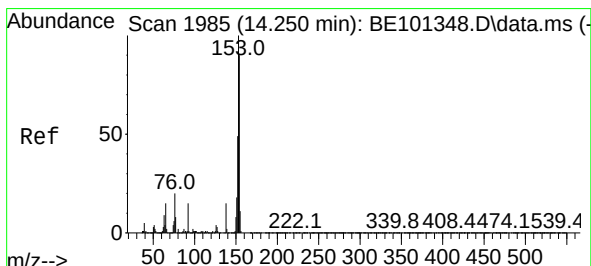
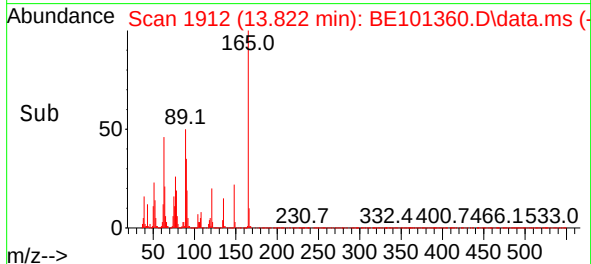
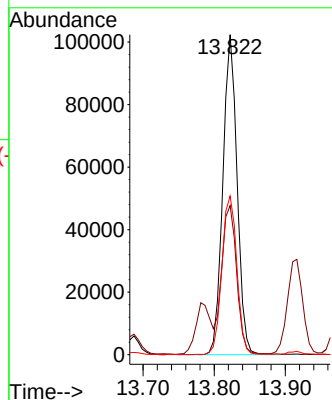
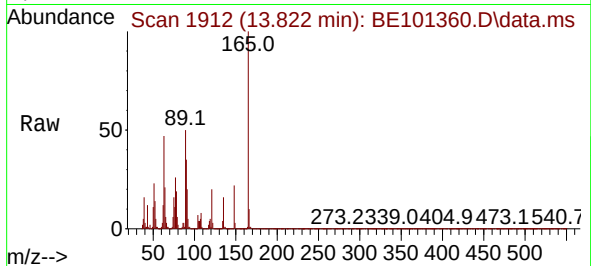




#51
2,6-Dinitrotoluene
Concen: 7.939 ng
RT: 13.822 min Scan# 1912
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

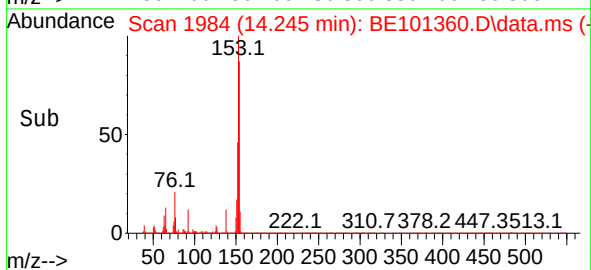
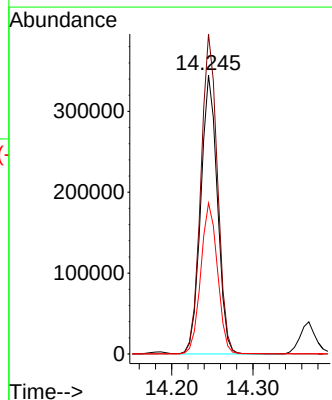
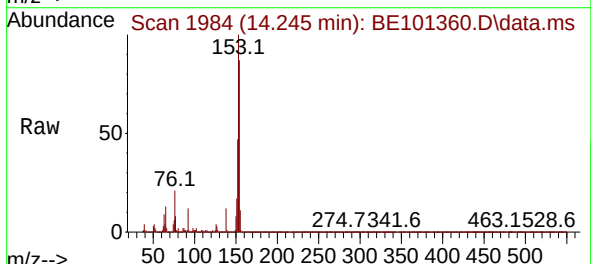
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

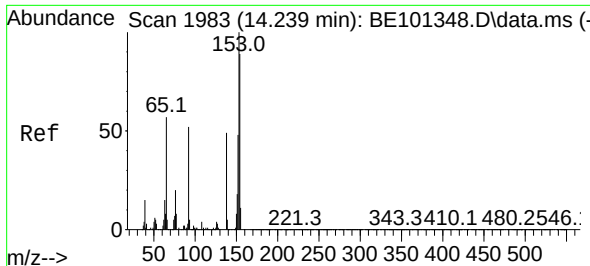
Tgt Ion:165 Resp: 141956
Ion Ratio Lower Upper
165 100
63 46.6 38.5 57.7
89 49.6 40.5 60.7



#52
Acenaphthene
Concen: 8.408 ng
RT: 14.245 min Scan# 1984
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:154 Resp: 488151
Ion Ratio Lower Upper
154 100
153 114.7 88.8 133.2
152 54.1 43.2 64.8

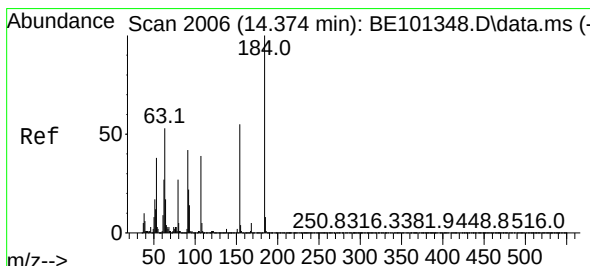
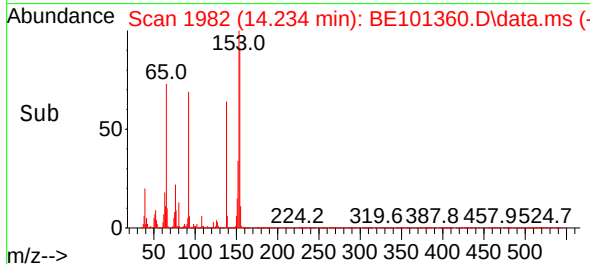
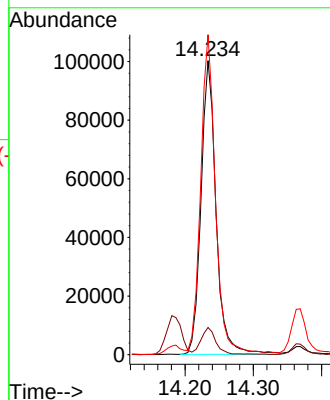
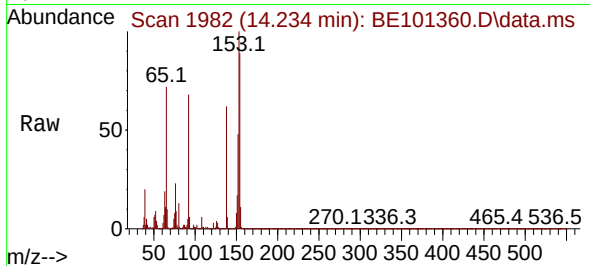




#53
3-Nitroaniline
Concen: 8.337 ng
RT: 14.234 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

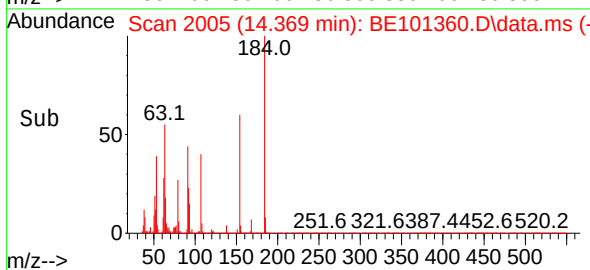
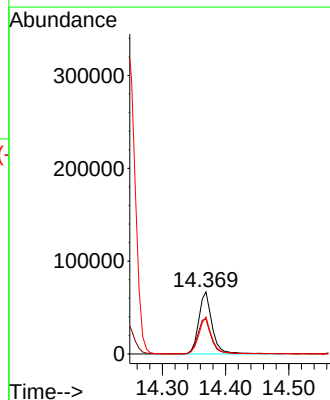
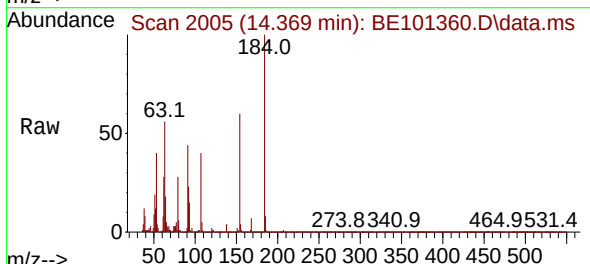
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

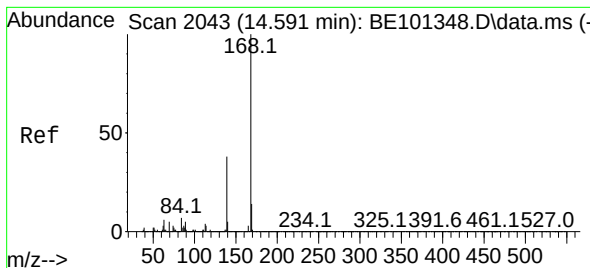
Tgt Ion:138 Resp: 153340
Ion Ratio Lower Upper
138 100
108 9.2 7.2 10.8
92 108.8 85.7 128.5



#54
2,4-Dinitrophenol
Concen: 9.253 ng
RT: 14.369 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:184 Resp: 98485
Ion Ratio Lower Upper
184 100
63 55.9 42.5 63.7
154 59.6 44.2 66.2





#55

Dibenzenofuran

Concen: 8.760 ng

RT: 14.586 min Scan# 2042

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

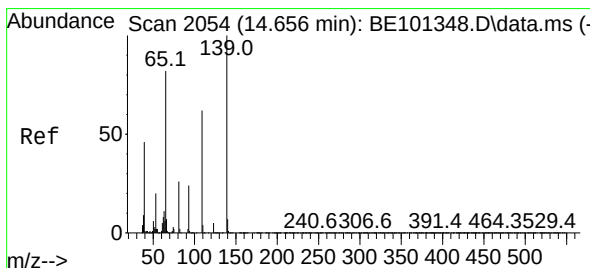
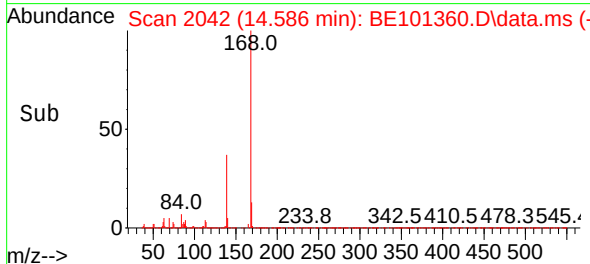
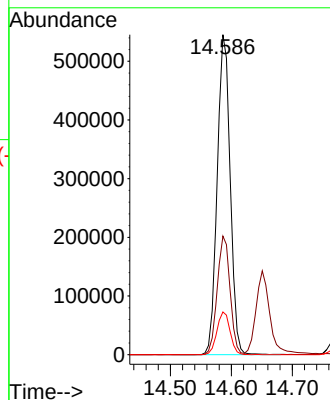
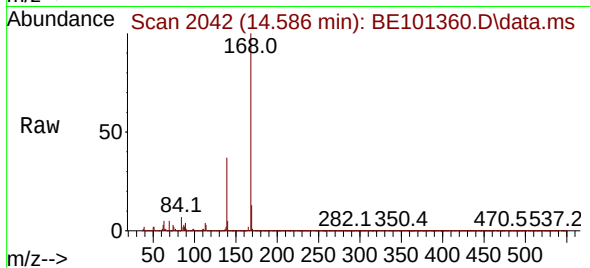
Tgt Ion:168 Resp: 803295

Ion Ratio Lower Upper

168 100

139 37.0 30.5 45.7

169 13.3 11.4 17.2



#56

4-Nitrophenol

Concen: 14.881 ng

RT: 14.651 min Scan# 2053

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

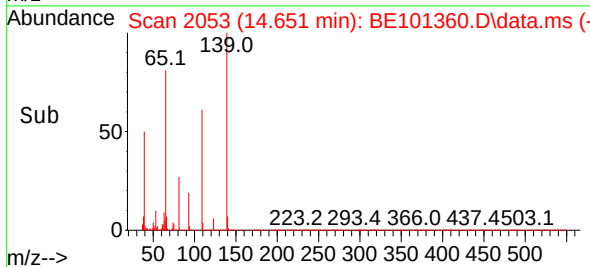
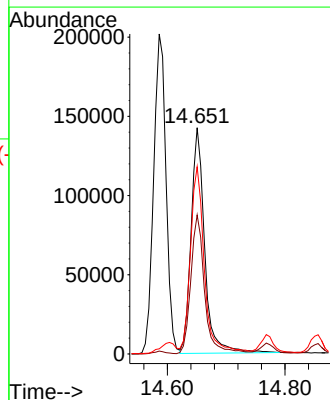
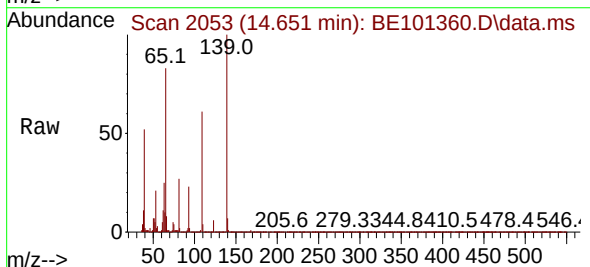
Tgt Ion:139 Resp: 227550

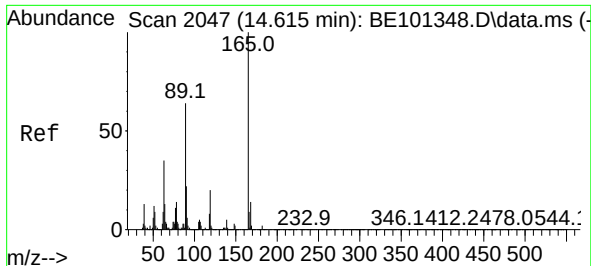
Ion Ratio Lower Upper

139 100

109 61.5 41.9 81.9

65 82.8 63.0 103.0

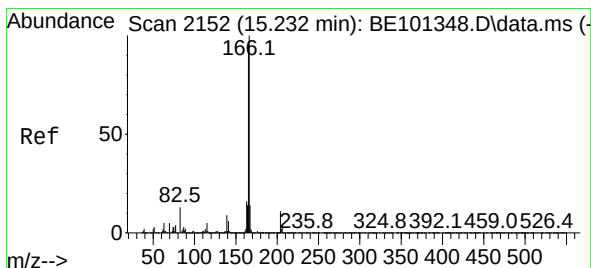
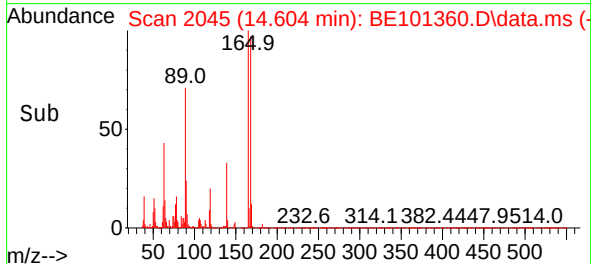
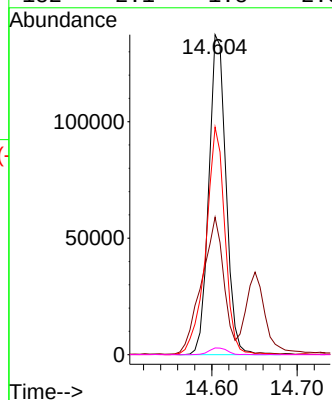
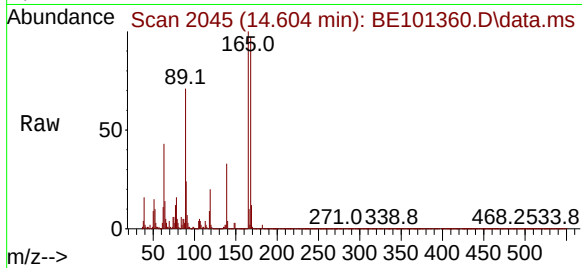




#57
2,4-Dinitrotoluene
Concen: 7.888 ng
RT: 14.604 min Scan# 2045
Delta R.T. -0.011 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

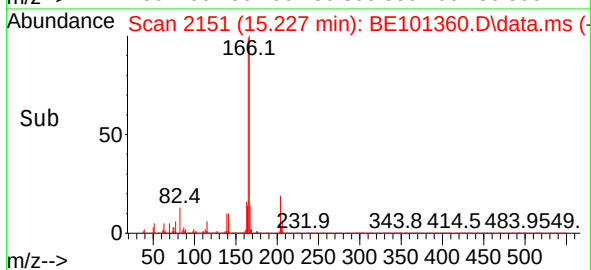
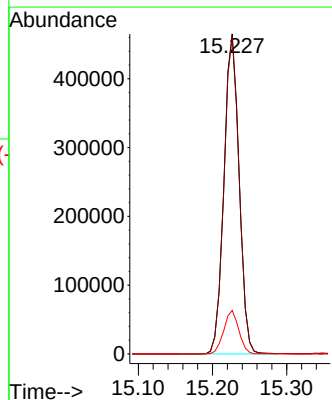
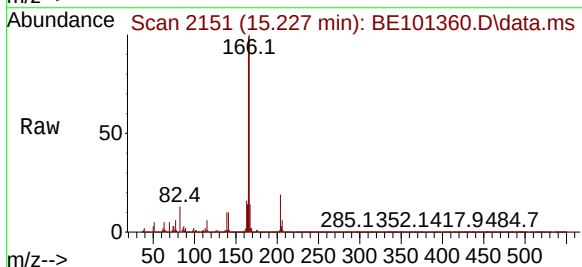
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

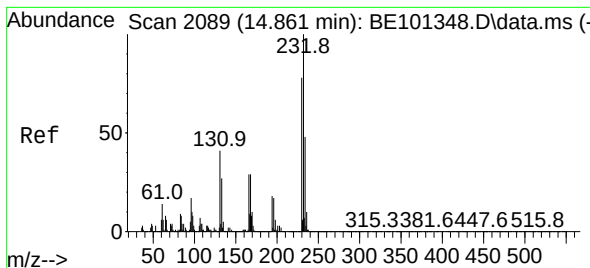
Tgt Ion:165 Resp: 192015
Ion Ratio Lower Upper
165 100
63 42.9 28.4 42.6#
89 71.1 51.0 76.4
182 2.1 1.8 2.8



#58
Fluorene
Concen: 8.551 ng
RT: 15.227 min Scan# 2151
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:166 Resp: 660717
Ion Ratio Lower Upper
166 100
165 99.2 77.8 116.8
167 13.6 11.0 16.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.689 ng

RT: 14.856 min Scan# 2089

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:232 Resp: 175138

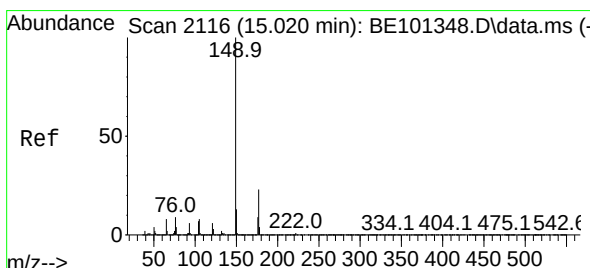
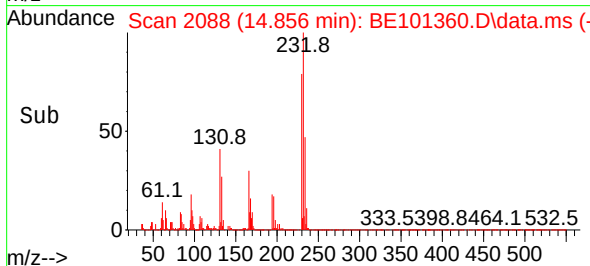
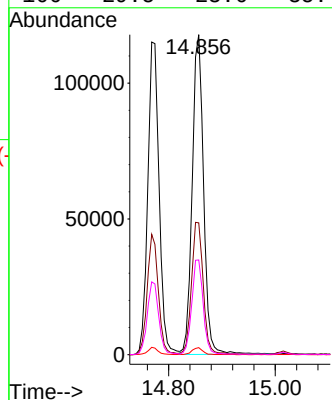
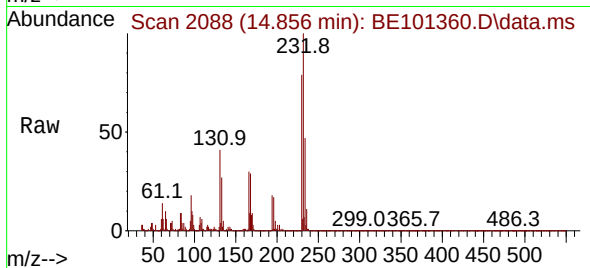
Ion Ratio Lower Upper

232 100

131 42.5 34.2 51.4

130 2.1 1.8 2.6

166 29.5 23.6 35.4



#60

Diethylphthalate

Concen: 8.655 ng

RT: 15.015 min Scan# 2115

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

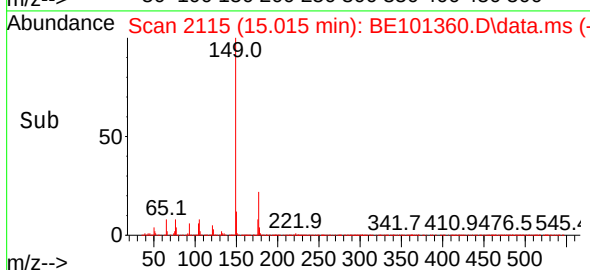
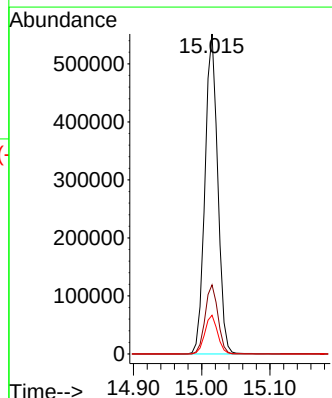
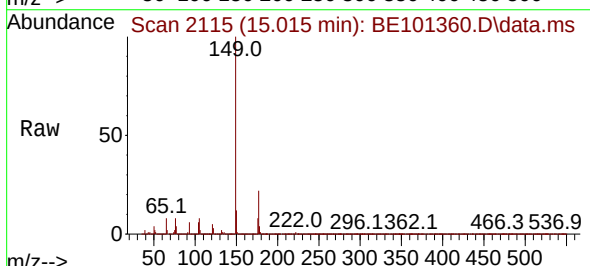
Tgt Ion:149 Resp: 717461

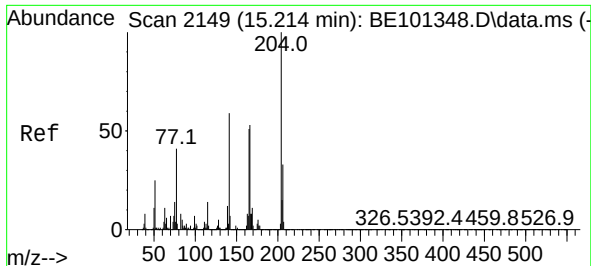
Ion Ratio Lower Upper

149 100

177 21.6 18.4 27.6

150 12.1 10.0 15.0

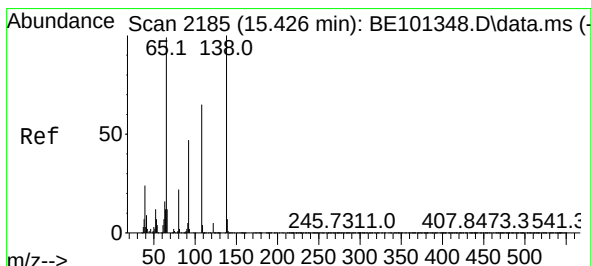
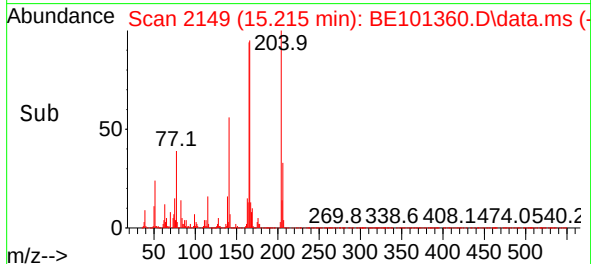
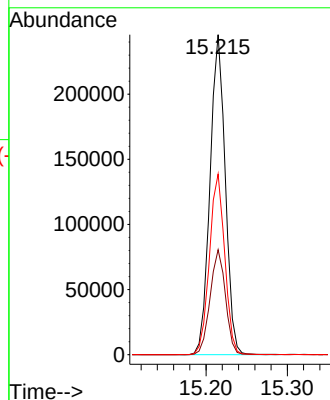
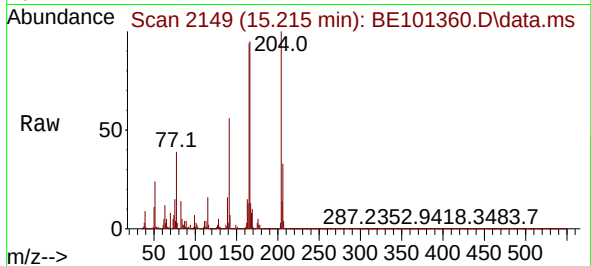




#61
4-Chlorophenyl-phenylether
Concen: 8.432 ng
RT: 15.215 min Scan# 2149
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

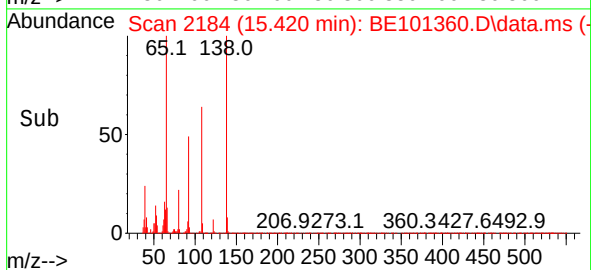
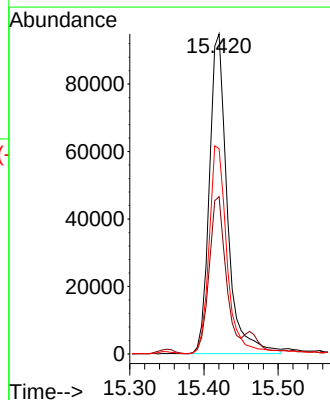
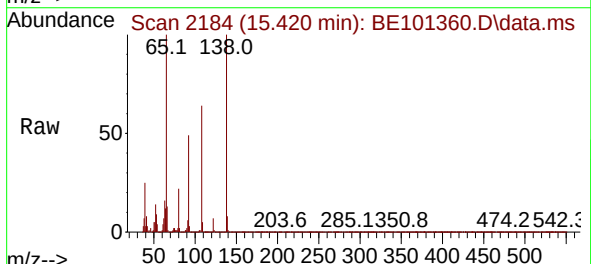
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

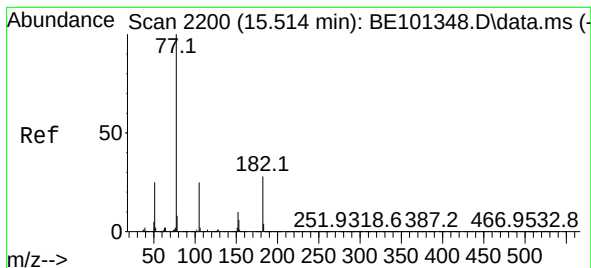
Tgt Ion:204 Resp: 319595
Ion Ratio Lower Upper
204 100
206 32.8 26.2 39.2
141 56.5 47.2 70.8



#62
4-Nitroaniline
Concen: 8.292 ng
RT: 15.420 min Scan# 2184
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:138 Resp: 158951
Ion Ratio Lower Upper
138 100
92 49.2 26.8 66.8
108 64.1 44.7 84.7





#63

Azobenzene

Concen: 8.874 ng

RT: 15.509 min Scan# 2199

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 77 Resp: 628601

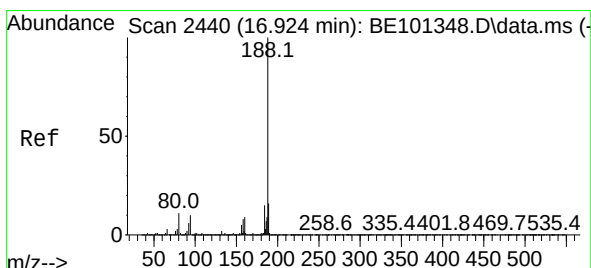
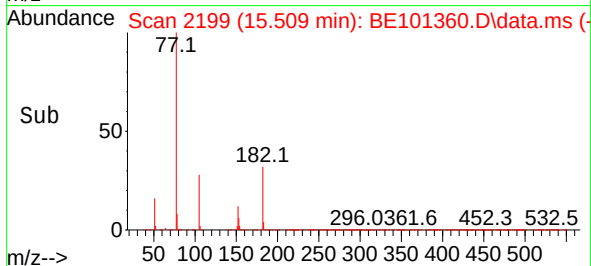
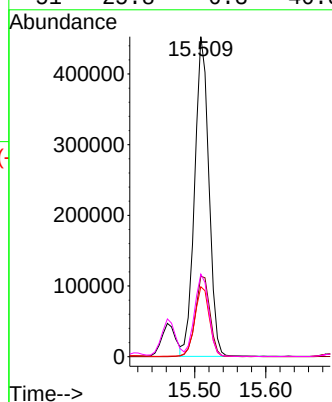
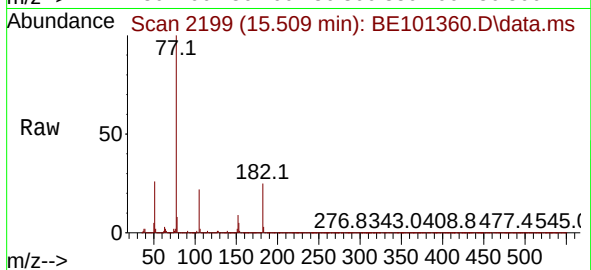
Ion Ratio Lower Upper

77 100

182 25.2 7.8 47.8

105 21.8 4.3 44.3

51 25.8 6.3 46.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.925 min Scan# 2440

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

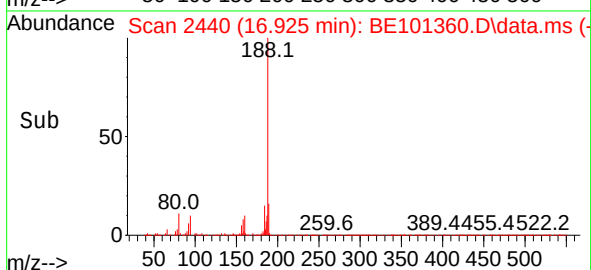
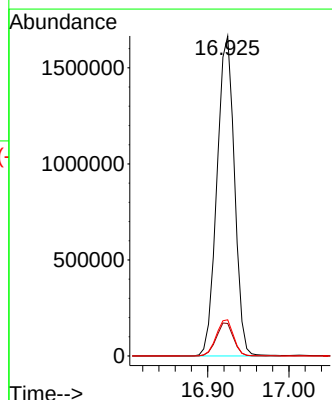
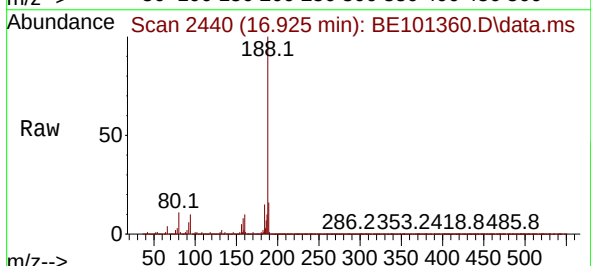
Tgt Ion: 188 Resp: 2497577

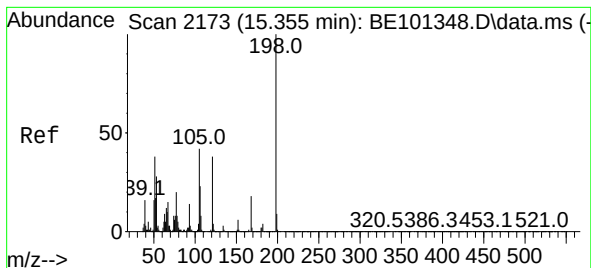
Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

80 11.3 8.6 13.0

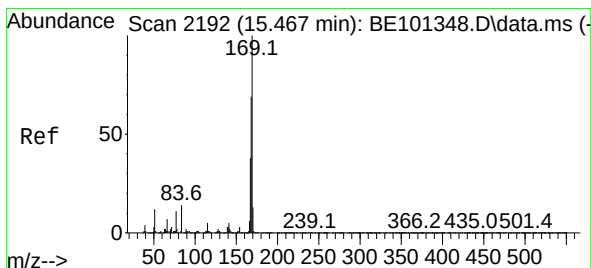
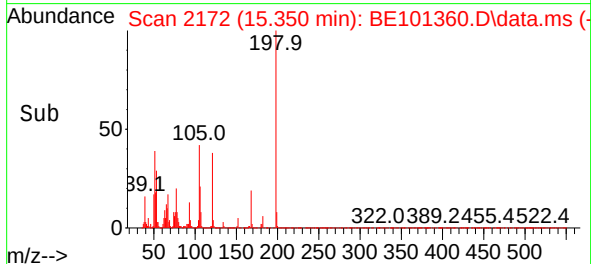
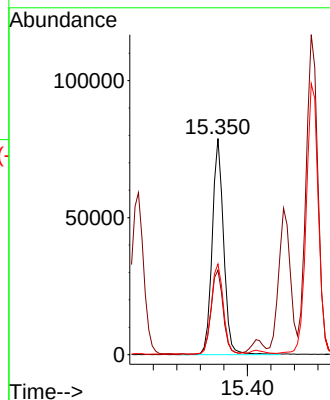
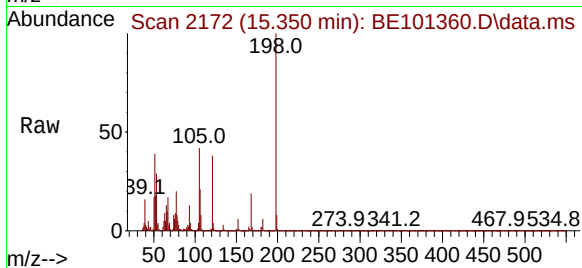




#65
4,6-Dinitro-2-methylphenol
Concen: 7.482 ng
RT: 15.350 min Scan# 2173
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

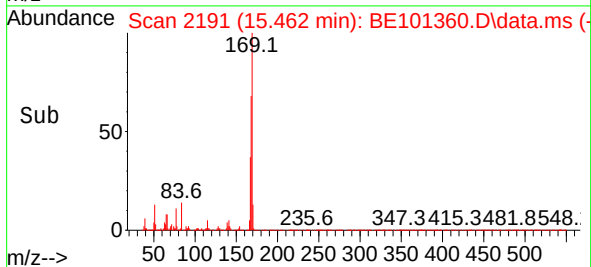
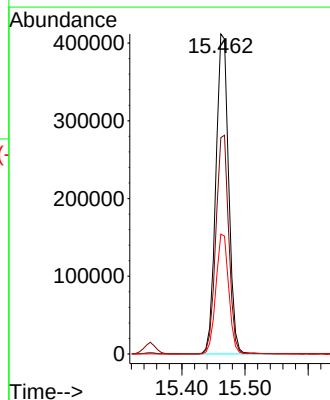
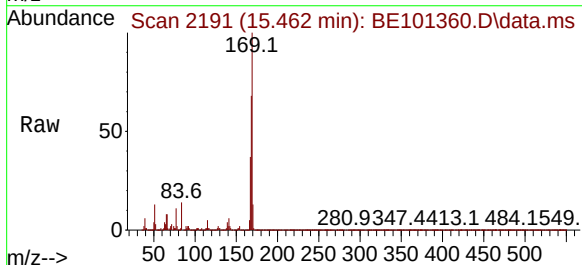
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

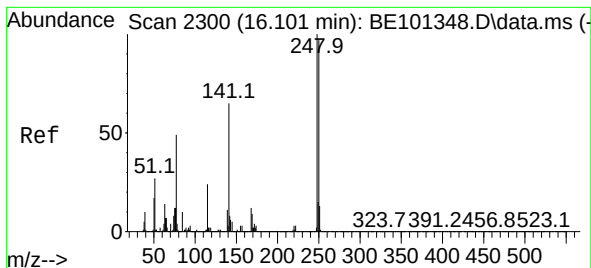
Tgt Ion:198 Resp: 106116
Ion Ratio Lower Upper
198 100
51 39.1 18.1 58.1
105 41.9 22.0 62.0



#66
n-Nitrosodiphenylamine
Concen: 8.685 ng
RT: 15.462 min Scan# 2191
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:169 Resp: 578174
Ion Ratio Lower Upper
169 100
168 67.6 55.1 82.7
167 37.4 30.5 45.7

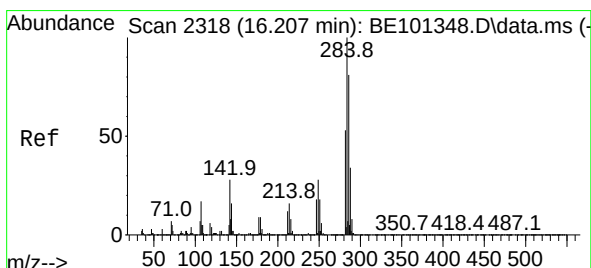
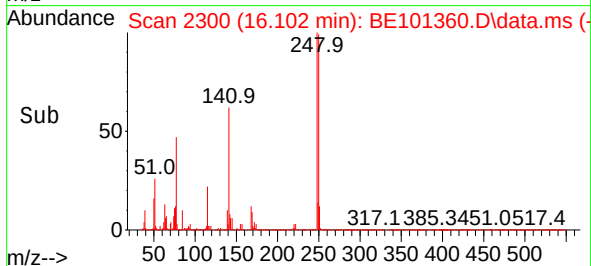
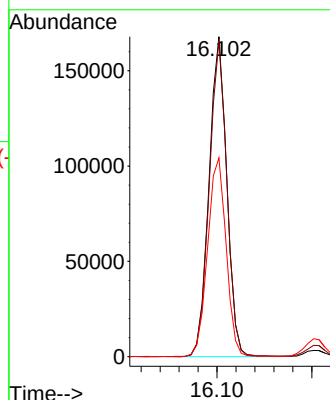
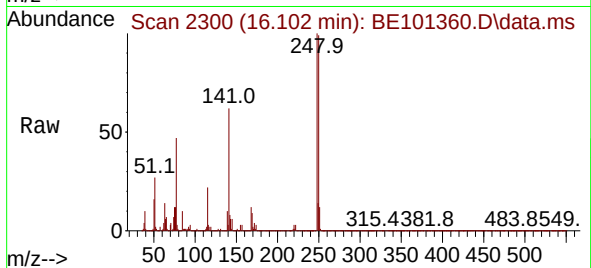




#67
4-Bromophenyl-phenylether
Concen: 8.397 ng
RT: 16.102 min Scan# 2317
Delta R.T. 0.001 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

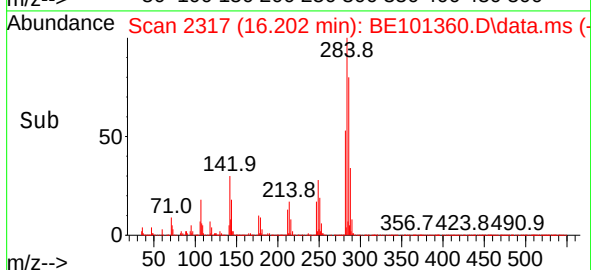
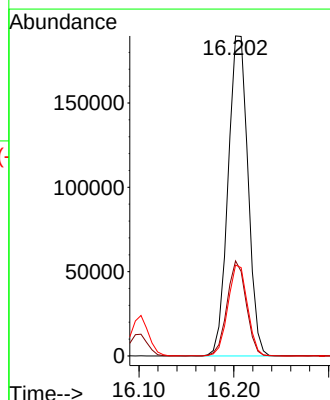
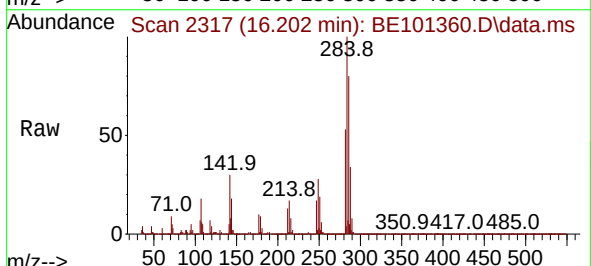
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

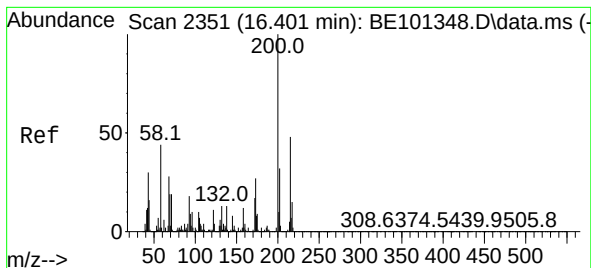
Tgt Ion:248 Resp: 217865
Ion Ratio Lower Upper
248 100
250 98.6 77.7 116.5
141 62.2 51.8 77.8



#68
Hexachlorobenzene
Concen: 8.229 ng
RT: 16.202 min Scan# 2317
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:284 Resp: 275937
Ion Ratio Lower Upper
284 100
142 29.7 22.1 33.1
249 28.4 22.7 34.1





#69

Atrazine

Concen: 10.472 ng

RT: 16.396 min Scan# 2350

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

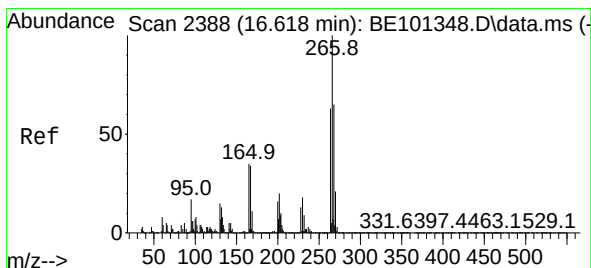
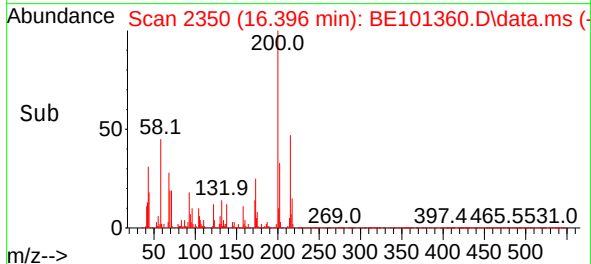
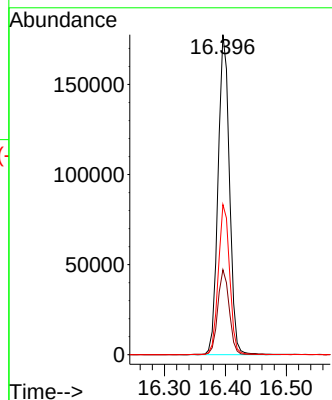
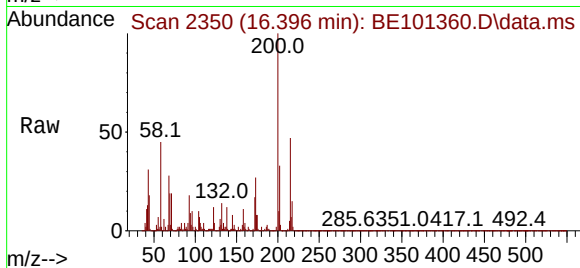
Tgt Ion:200 Resp: 230223

Ion Ratio Lower Upper

200 100

173 26.6 6.9 46.9

215 46.9 27.8 67.8



#70

Pentachlorophenol

Concen: 13.542 ng

RT: 16.613 min Scan# 2387

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

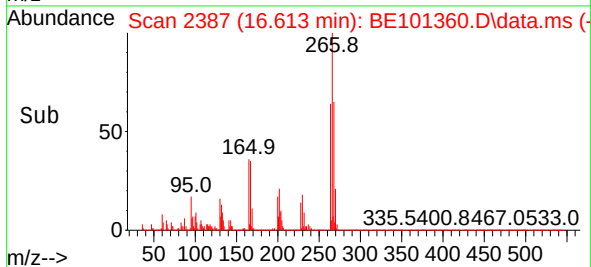
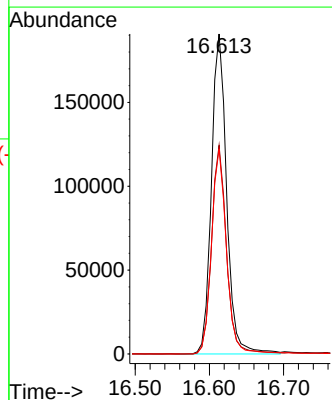
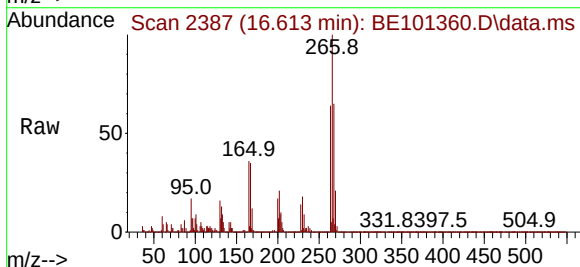
Tgt Ion:266 Resp: 271325

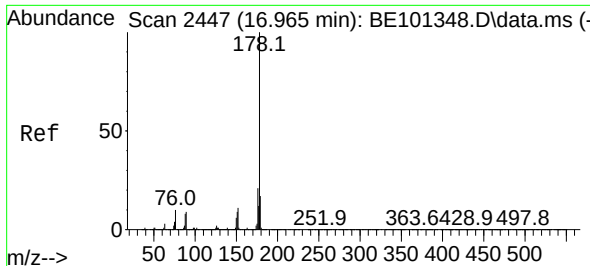
Ion Ratio Lower Upper

266 100

268 65.2 52.2 78.4

264 64.1 50.5 75.7

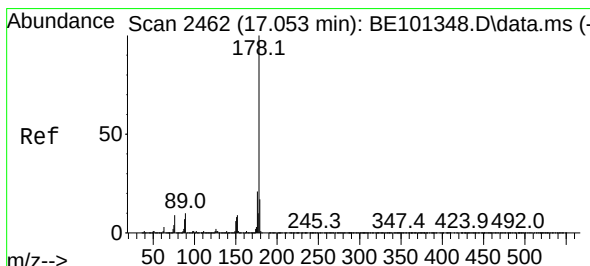
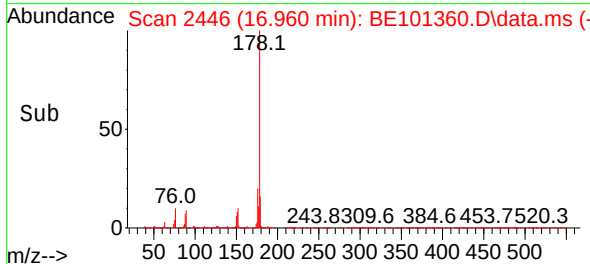
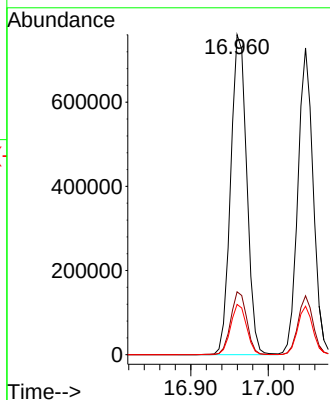
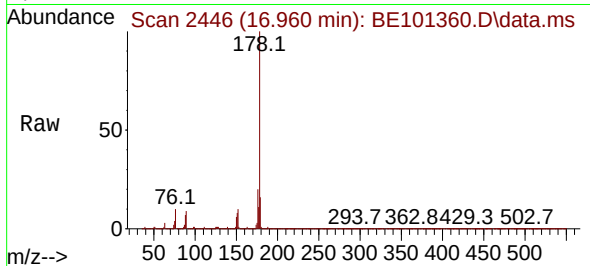




#71
Phenanthrene
Concen: 9.254 ng
RT: 16.960 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

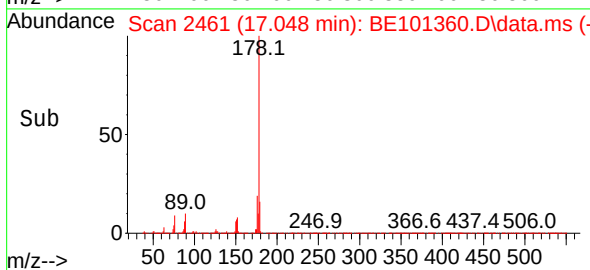
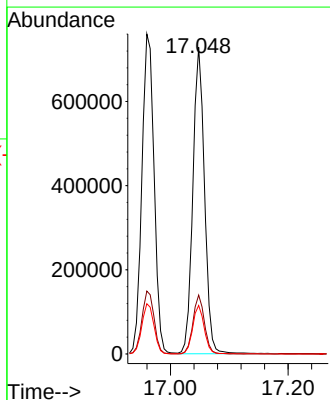
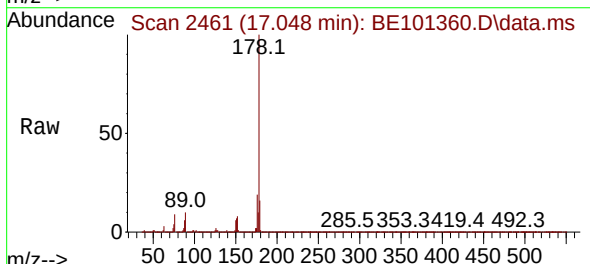
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

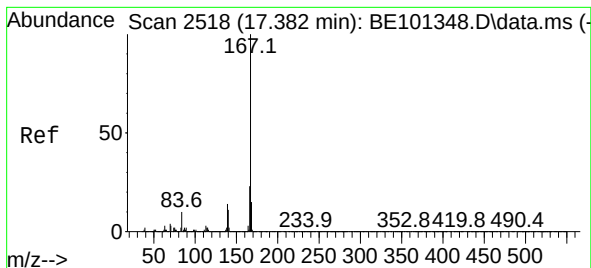
Tgt Ion:178 Resp: 1097745
Ion Ratio Lower Upper
178 100
176 19.7 16.8 25.2
179 15.7 13.3 19.9



#72
Anthracene
Concen: 8.690 ng
RT: 17.048 min Scan# 2461
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:178 Resp: 1003156
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.8 13.4 20.0





#73

Carbazole

Concen: 8.972 ng

RT: 17.377 min Scan# 2517

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

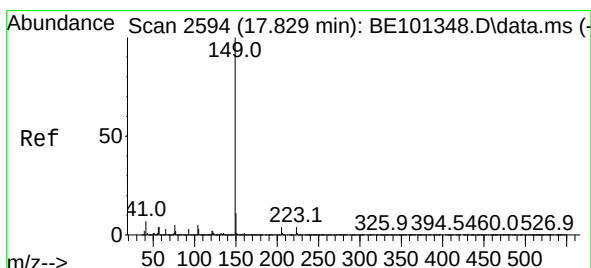
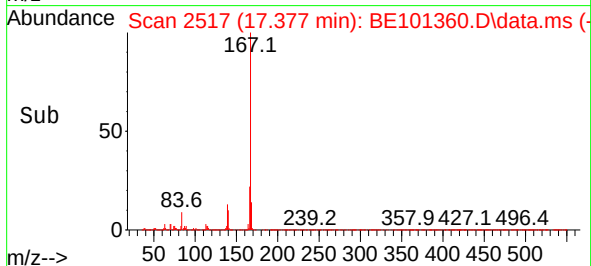
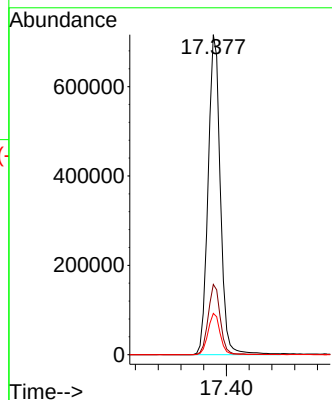
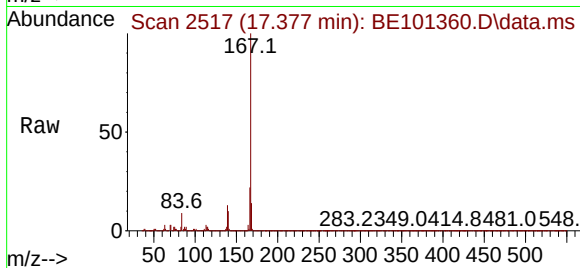
Tgt Ion:167 Resp: 1061254

Ion Ratio Lower Upper

167 100

166 22.0 18.4 27.6

139 12.9 11.1 16.7



#74

Di-n-butylphthalate

Concen: 10.065 ng

RT: 17.829 min Scan# 2594

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

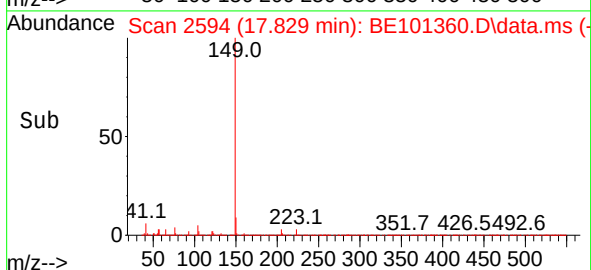
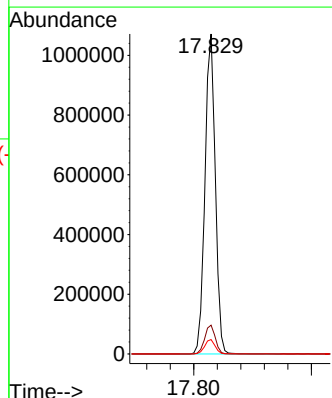
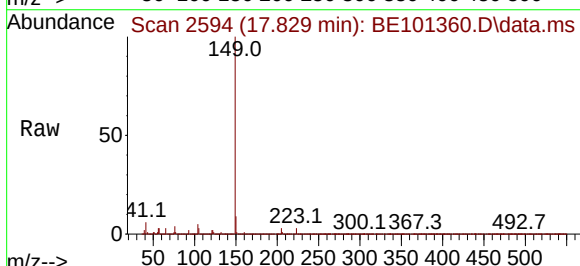
Tgt Ion:149 Resp: 1307334

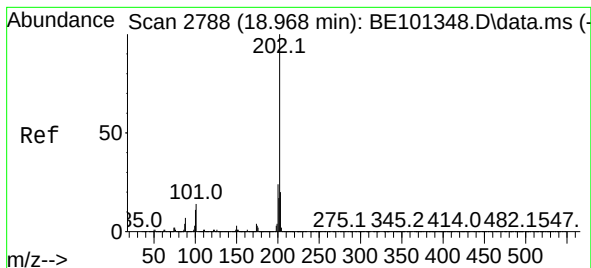
Ion Ratio Lower Upper

149 100

150 9.0 9.0 13.6#

104 4.5 4.4 6.6





#75

Fluoranthene

Concen: 9.466 ng

RT: 18.969 min Scan# 21

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

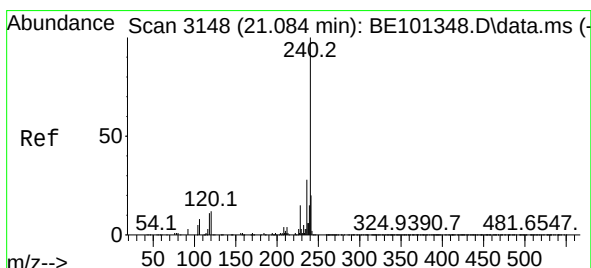
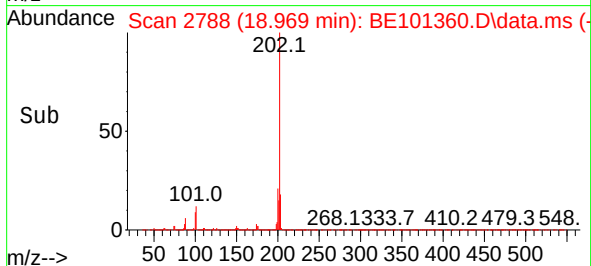
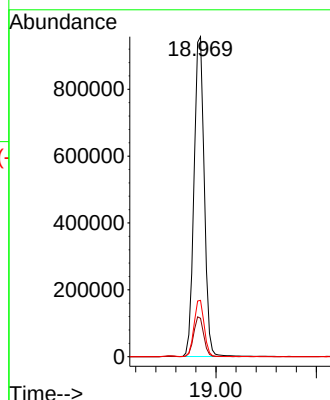
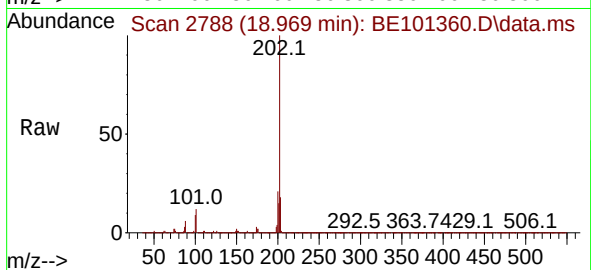
Tgt Ion:202 Resp: 1351687

Ion Ratio Lower Upper

202 100

101 12.0 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: BE101360.D

Acq: 18 Sep 2024 13:00

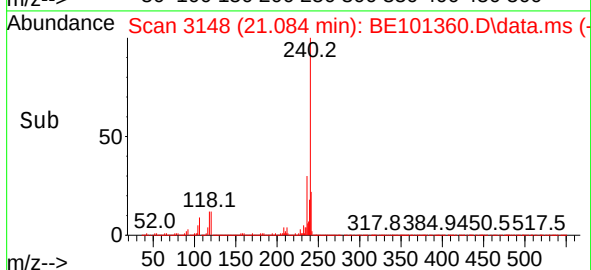
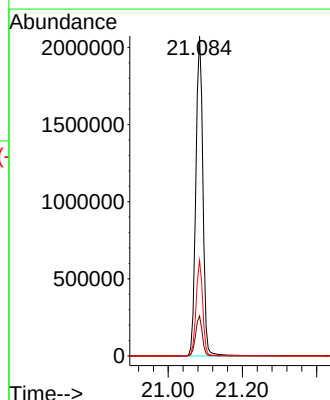
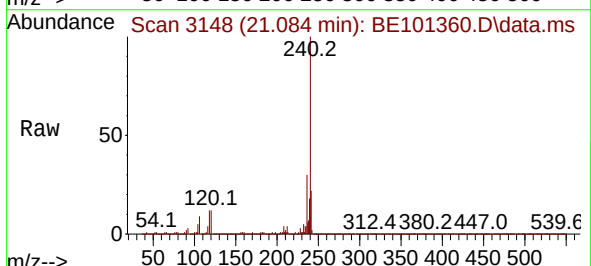
Tgt Ion:240 Resp: 2754819

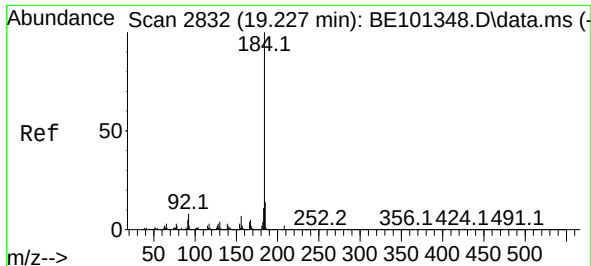
Ion Ratio Lower Upper

240 100

120 12.5 9.8 14.8

236 29.9 22.1 33.1

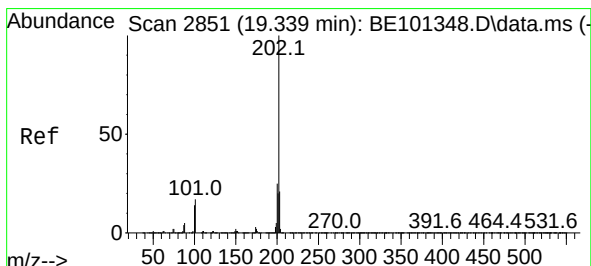
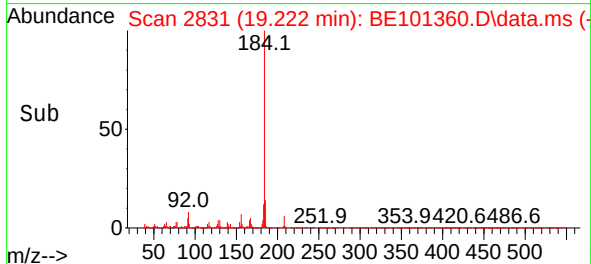
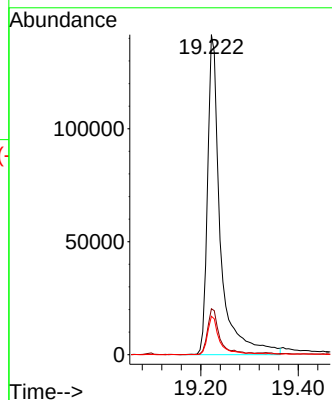
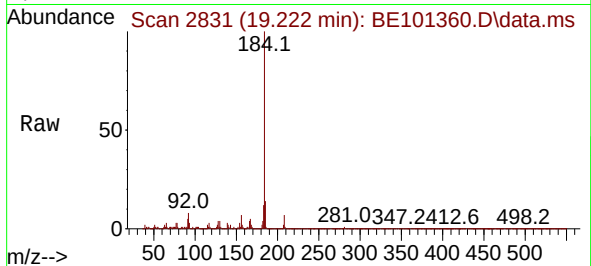




#77
Benzidine
Concen: 5.656 ng
RT: 19.222 min Scan# 2831
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

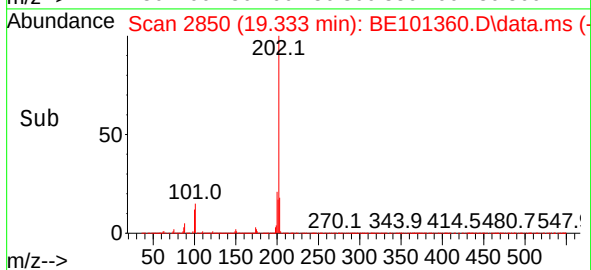
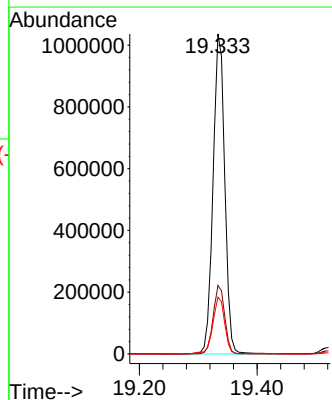
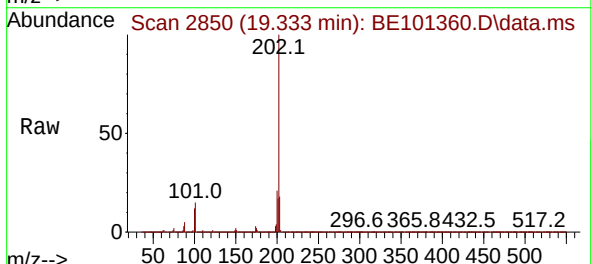
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2024

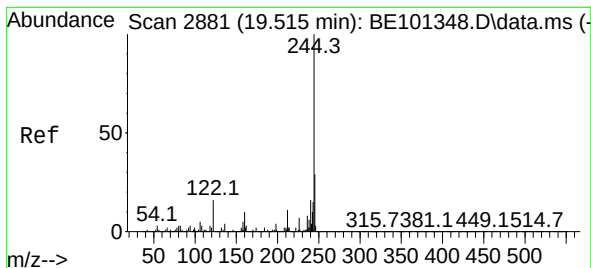
Tgt Ion:184 Resp: 258594
Ion Ratio Lower Upper
184 100
185 14.4 11.4 17.2
183 12.0 9.1 13.7



#78
Pyrene
Concen: 9.326 ng
RT: 19.333 min Scan# 2850
Delta R.T. -0.005 min
Lab File: BE101360.D
Acq: 18 Sep 2024 13:00

Tgt Ion:202 Resp: 1428915
Ion Ratio Lower Upper
202 100
200 21.4 20.2 30.2
203 17.7 16.6 25.0





#79

Terphenyl-d14

Concen: 48.102 ng

RT: 19.521 min Scan# 2881

Delta R.T. 0.006 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

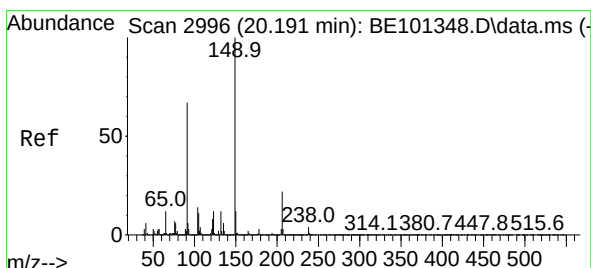
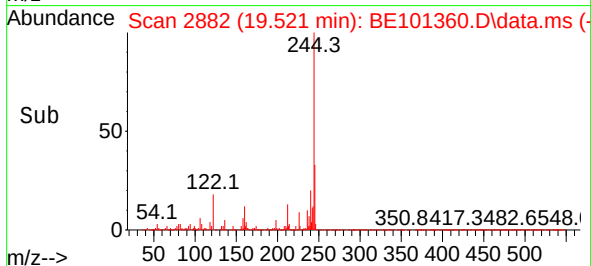
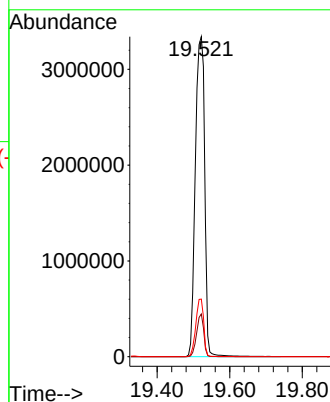
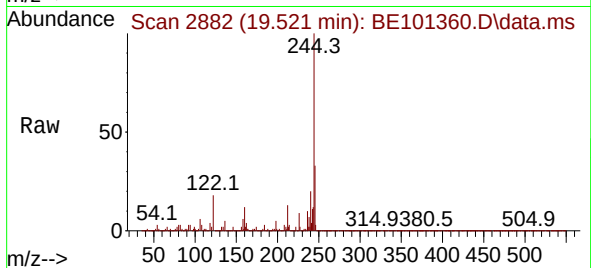
Tgt Ion:244 Resp: 5976196

Ion Ratio Lower Upper

244 100

212 13.4 8.5 12.7#

122 18.0 13.1 19.7



#80

Butylbenzylphthalate

Concen: 9.450 ng

RT: 20.191 min Scan# 2996

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

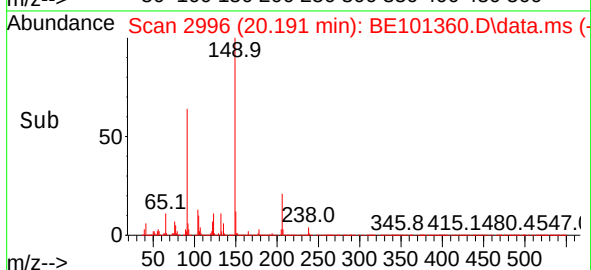
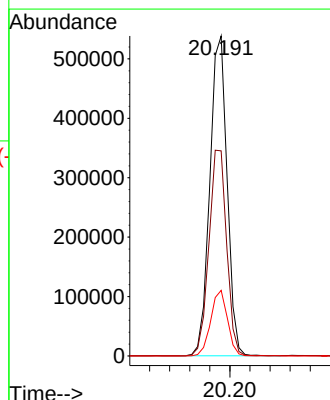
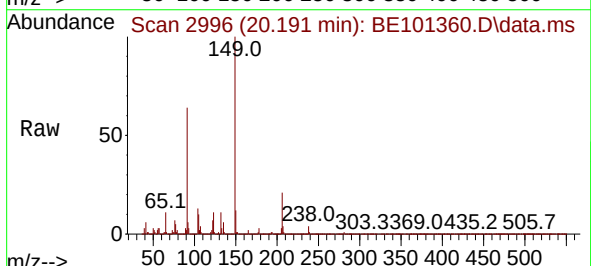
Tgt Ion:149 Resp: 640922

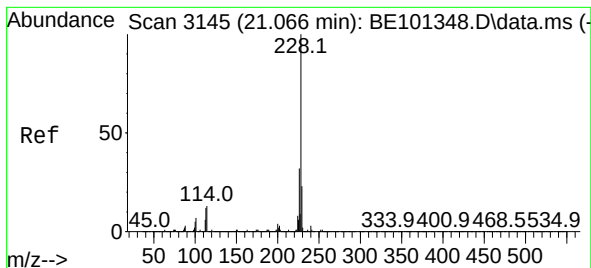
Ion Ratio Lower Upper

149 100

91 64.1 53.4 80.2

206 20.5 17.4 26.0





#81

Benzo(a)anthracene

Concen: 9.945 ng

RT: 21.061 min Scan# 3145

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

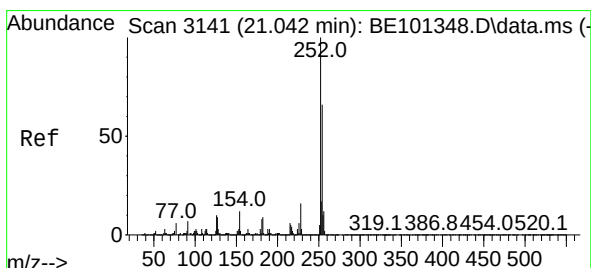
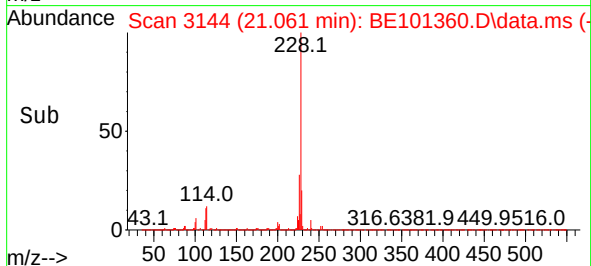
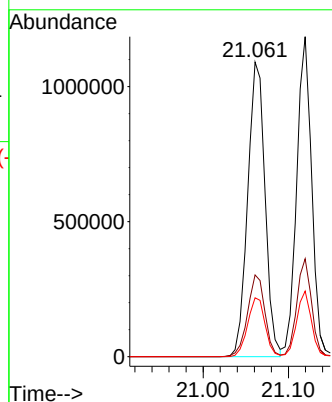
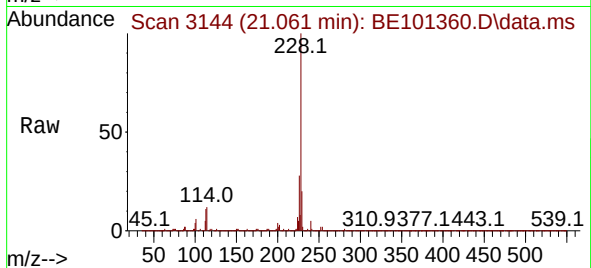
Tgt Ion:228 Resp: 1538555

Ion Ratio Lower Upper

228 100

226 27.8 25.7 38.5

229 20.0 18.6 28.0



#82

3,3'-Dichlorobenzidine

Concen: 9.386 ng

RT: 21.037 min Scan# 3140

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

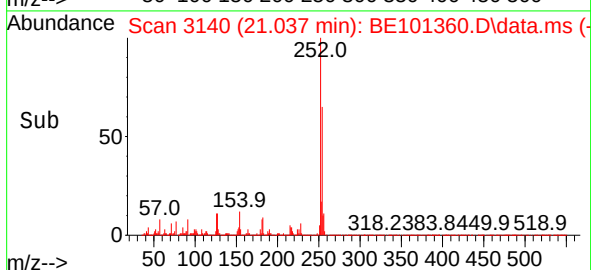
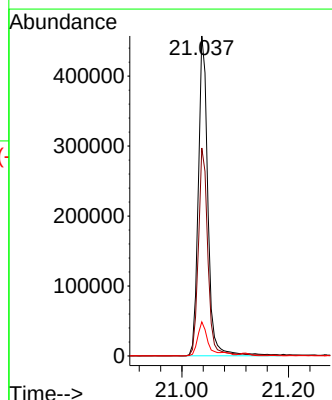
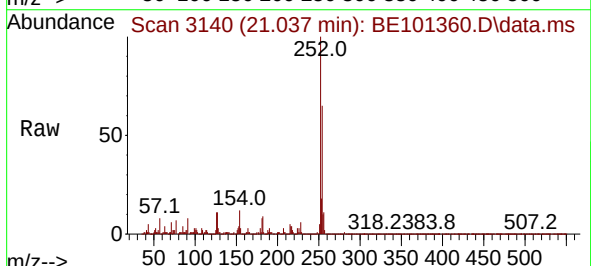
Tgt Ion:252 Resp: 568978

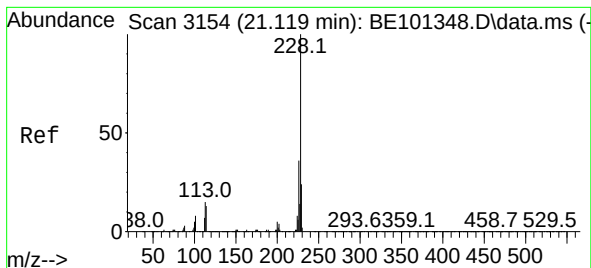
Ion Ratio Lower Upper

252 100

254 65.0 52.5 78.7

126 10.7 8.0 12.0





#83

Chrysene

Concen: 9.905 ng

RT: 21.120 min Scan# 3154

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

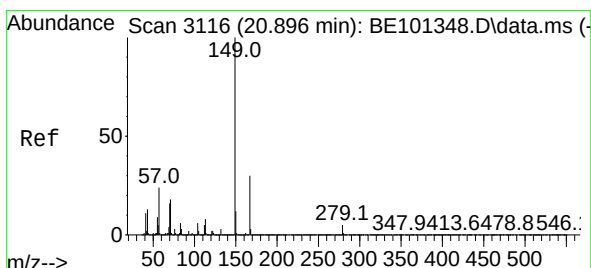
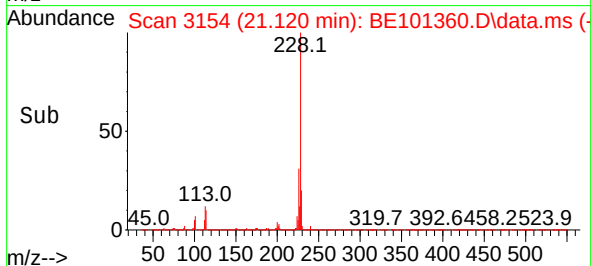
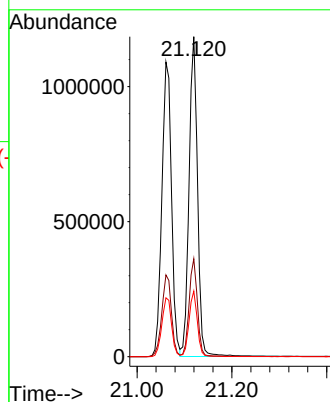
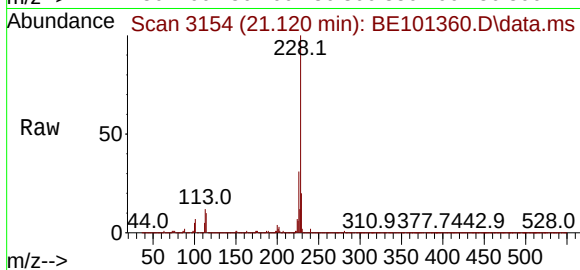
Tgt Ion:228 Resp: 1472027

Ion Ratio Lower Upper

228 100

226 30.6 28.4 42.6

229 20.5 19.0 28.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.056 ng

RT: 20.890 min Scan# 3115

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

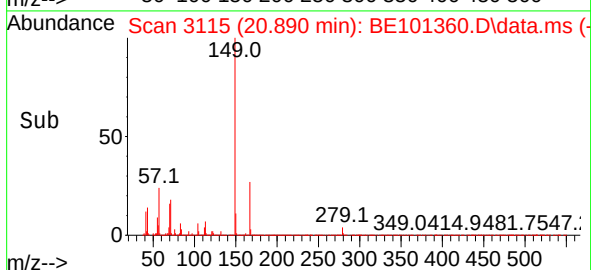
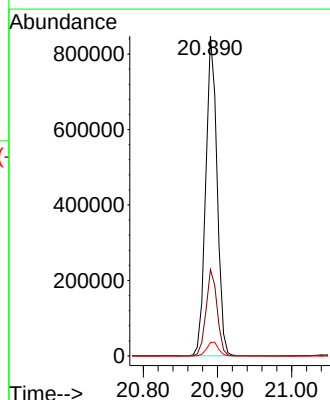
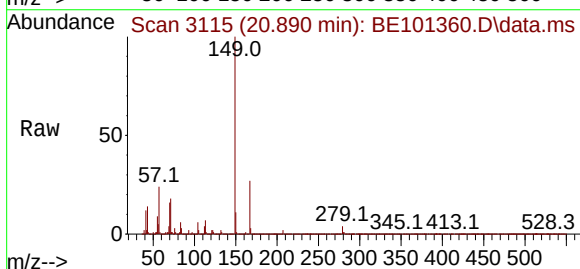
Tgt Ion:149 Resp: 902002

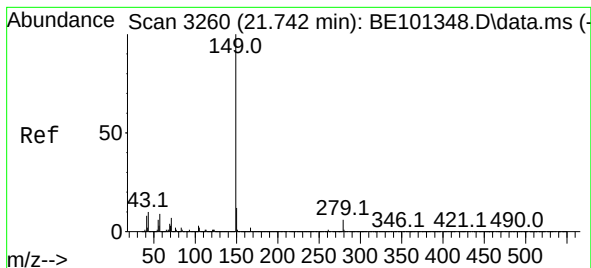
Ion Ratio Lower Upper

149 100

167 27.1 23.9 35.9

279 4.2 4.2 6.4#





#85

Di-n-octyl phthalate

Concen: 10.364 ng

RT: 21.742 min Scan# 3260

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

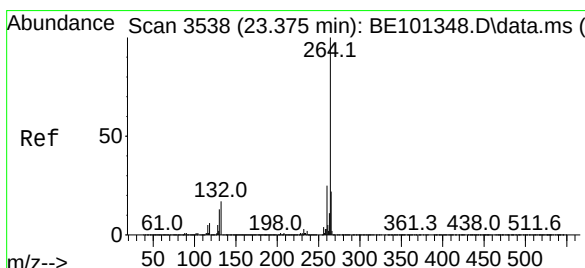
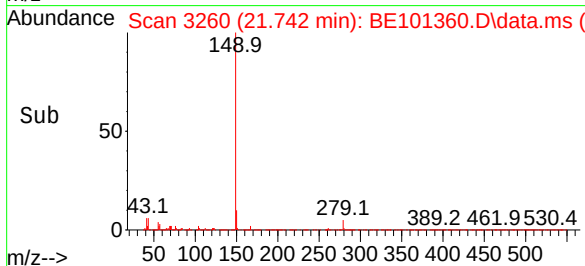
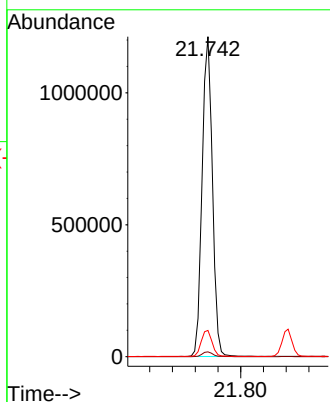
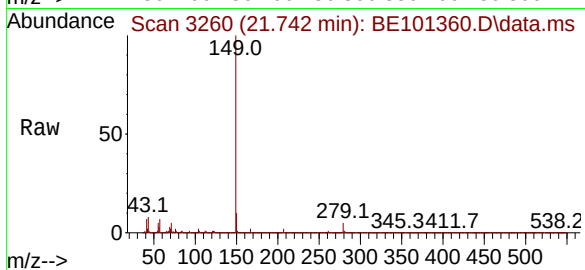
Tgt Ion:149 Resp: 1517454

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.2

43 8.7 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.376 min Scan# 3538

Delta R.T. 0.001 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

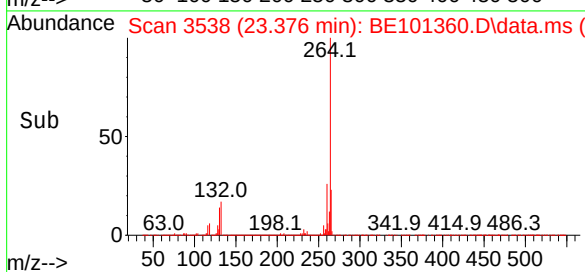
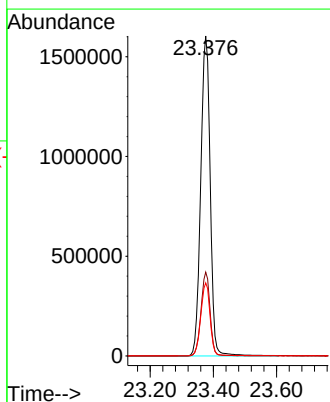
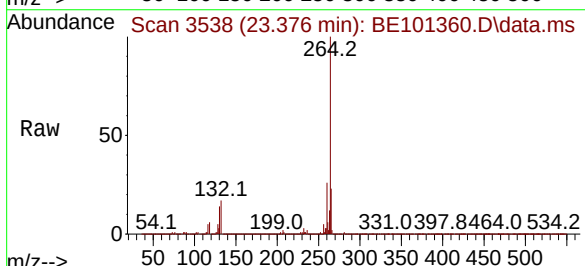
Tgt Ion:264 Resp: 3348774

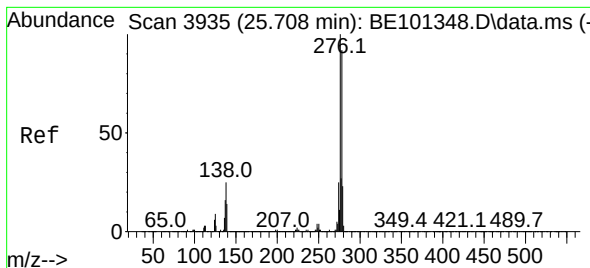
Ion Ratio Lower Upper

264 100

260 26.2 19.8 29.6

265 22.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.521 ng

RT: 25.691 min Scan# 3416

Delta R.T. -0.017 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

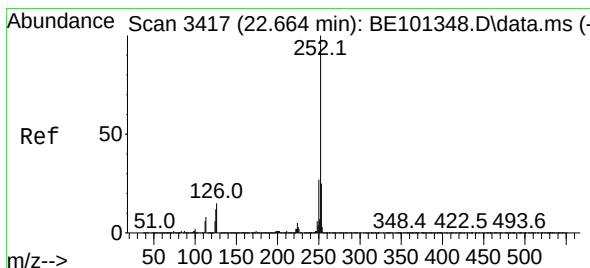
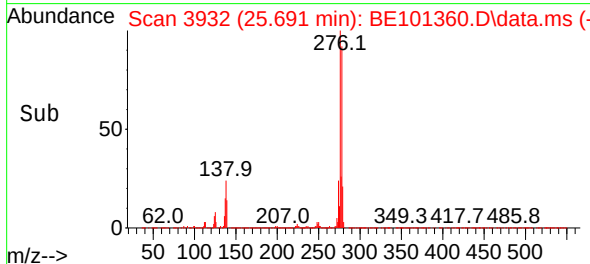
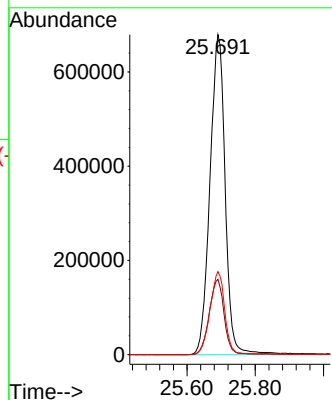
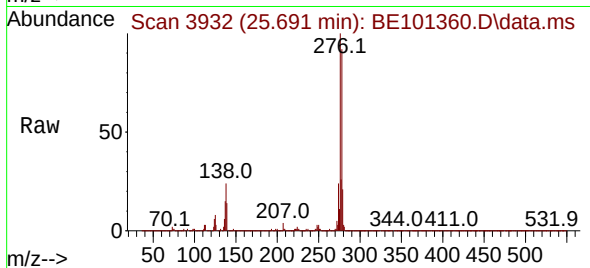
Tgt Ion:276 Resp: 2100665

Ion Ratio Lower Upper

276 100

138 23.0 19.2 28.8

277 25.3 20.8 31.2



#88

Benzo(b)fluoranthene

Concen: 9.494 ng

RT: 22.659 min Scan# 3416

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

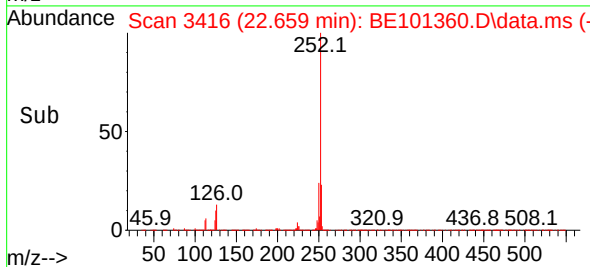
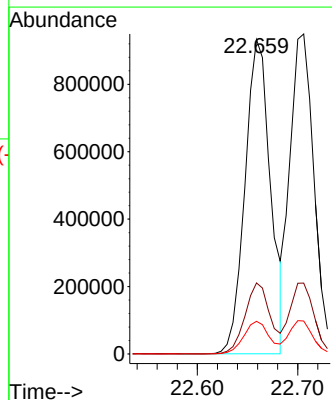
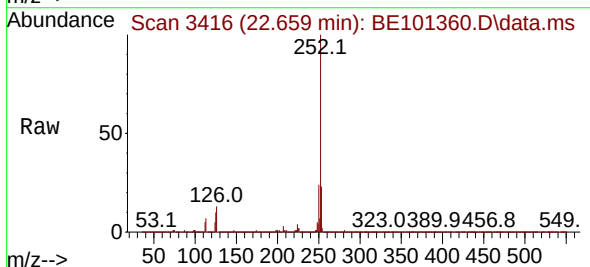
Tgt Ion:252 Resp: 1646672

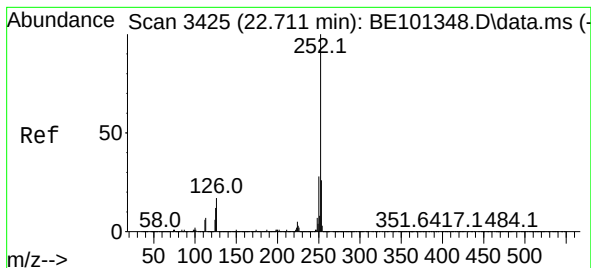
Ion Ratio Lower Upper

252 100

253 22.6 20.2 30.2

125 10.4 9.4 14.0





#89

Benzo(k)fluoranthene

Concen: 9.745 ng

RT: 22.706 min Scan# 3425

Delta R.T. -0.005 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2024

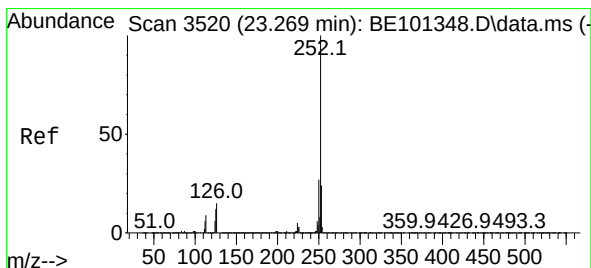
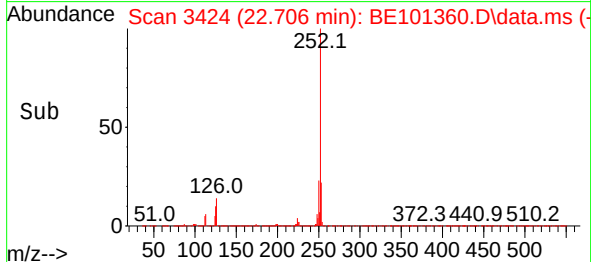
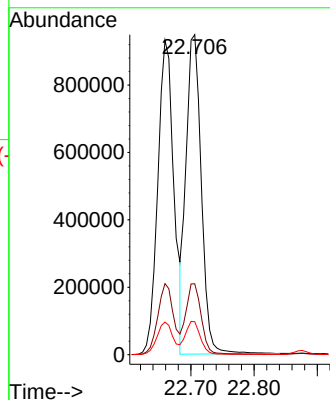
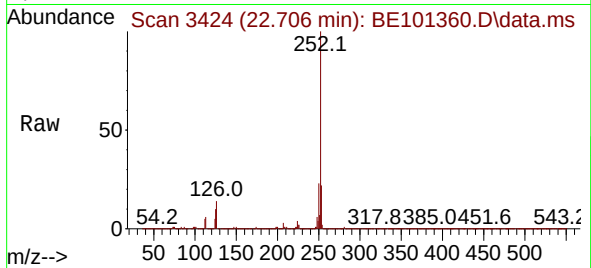
Tgt Ion:252 Resp: 1595237

Ion Ratio Lower Upper

252 100

253 22.1 20.2 30.4

125 10.3 9.4 14.0



#90

Benzo(a)pyrene

Concen: 9.624 ng

RT: 23.258 min Scan# 3518

Delta R.T. -0.011 min

Lab File: BE101360.D

Acq: 18 Sep 2024 13:00

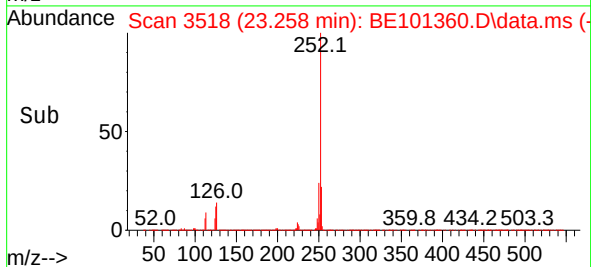
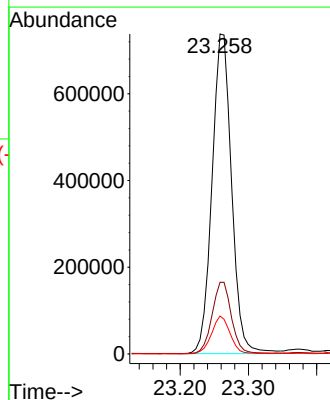
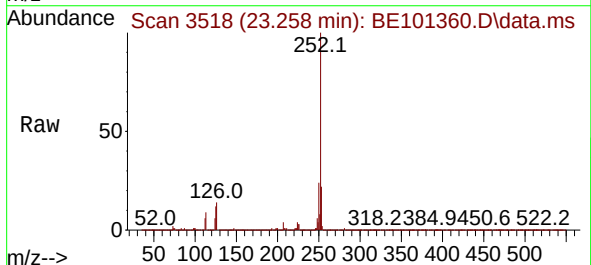
Tgt Ion:252 Resp: 1473040

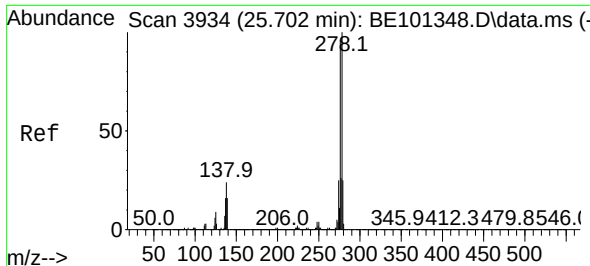
Ion Ratio Lower Upper

252 100

253 22.4 19.0 28.6

125 11.9 9.6 14.4

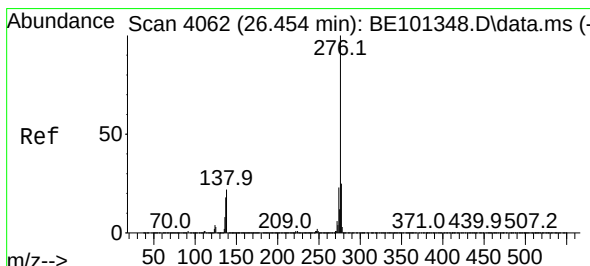
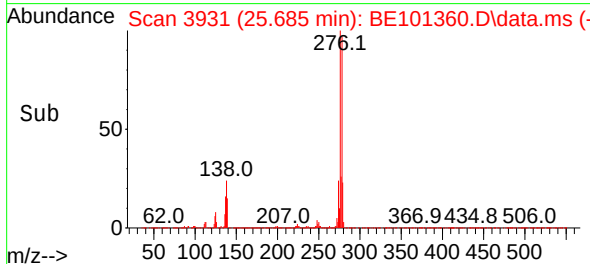
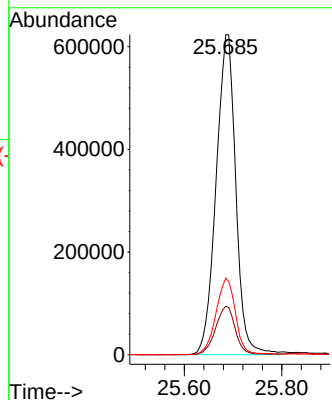
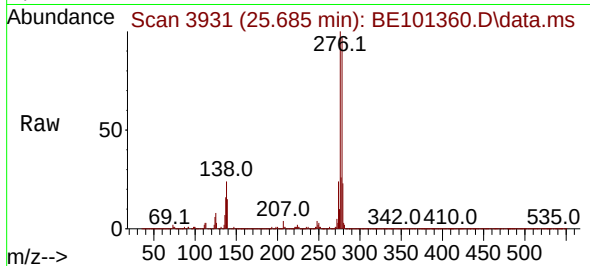




#91
 Dibenzo(a,h)anthracene
 Concen: 9.472 ng
 RT: 25.685 min Scan# 3934
 Delta R.T. -0.017 min
 Lab File: BE101360.D
 Acq: 18 Sep 2024 13:00

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

Tgt Ion: 278 Resp: 1749702
 Ion Ratio Lower Upper
 278 100
 139 15.1 12.4 18.6
 279 23.9 19.8 29.8



#92
 Benzo(g,h,i)perylene
 Concen: 8.687 ng
 RT: 26.437 min Scan# 4059
 Delta R.T. -0.017 min
 Lab File: BE101360.D
 Acq: 18 Sep 2024 13:00

Tgt Ion: 276 Resp: 1629288
 Ion Ratio Lower Upper
 276 100
 277 24.3 19.8 29.8
 138 20.1 17.4 26.0

