

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091824\
 Data File : BE101363.D
 Acq On : 18 Sep 2024 14:47
 Operator : RC/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: Sep 18 16:46:08 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	187751	20.000	ng	0.00
21) Naphthalene-d8	10.344	136	896181	20.000	ng	0.00
39) Acenaphthene-d10	14.181	164	662923	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	1554216	20.000	ng	0.00
76) Chrysene-d12	21.078	240	1790481	20.000	ng	0.00
86) Perylene-d12	23.376	264	2179414	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	1260395	117.375	ng	0.00
7) Phenol-d6	6.954	99	1742897	114.494	ng	0.00
23) Nitrobenzene-d5	8.787	82	1207827	85.445	ng	0.00
42) 2,4,6-Tribromophenol	15.691	330	1405584	126.060	ng	0.00
45) 2-Fluorobiphenyl	12.806	172	3149516	82.100	ng	0.00
79) Terphenyl-d14	19.515	244	4926747	61.013	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.235	88	16464	4.027	ng	99
3) Pyridine	3.646	79	245	0.021	ng	# 1
4) n-Nitrosodimethylamine	3.658	42	10163	2.402	ng	# 77
6) Aniline	7.018	93	59970	4.696	ng	97
8) 2-Chlorophenol	7.218	128	49754	3.856	ng	94
9) Benzaldehyde	6.795	77	37684	5.386	ng	99
10) Phenol	6.977	94	55871	3.339	ng	88
11) bis(2-Chloroethyl)ether	7.018	93	59970	4.235	ng	# 32
12) 1,3-Dichlorobenzene	7.459	146	53598	3.865	ng	98
13) 1,4-Dichlorobenzene	7.606	146	54080	3.827	ng	98
14) 1,2-Dichlorobenzene	7.941	146	52844	3.774	ng	98
15) Benzyl Alcohol	7.923	79	46117	5.088	ng	# 84
16) 2,2'-oxybis(1-Chloropr...	8.070	45	73336	4.109	ng	97
17) 2-Methylphenol	8.158	107	37816	3.411	ng	99
18) Hexachloroethane	8.634	117	17169	3.716	ng	90
19) n-Nitroso-di-n-propyla...	8.381	70	38718	3.604	ng	98
20) 3+4-Methylphenols	8.499	107	49722	3.187	ng	95
22) Acetophenone	8.434	105	80012	3.850	ng	# 97
24) Nitrobenzene	8.828	77	62881	4.167	ng	98
25) Isophorone	9.280	82	110648	3.824	ng	98
26) 2-Nitrophenol	9.515	139	24791	3.481	ng	96
27) 2,4-Dimethylphenol	9.633	122	22553	2.466	ng	95
28) bis(2-Chloroethoxy)met...	9.786	93	68165	3.894	ng	95
29) 2,4-Dichlorophenol	10.062	162	43868	3.503	ng	95
30) 1,2,4-Trichlorobenzene	10.185	180	51750	3.824	ng	99
31) Naphthalene	10.391	128	179160	3.962	ng	100
32) Benzoic acid	9.809	122	8039	8.042	ng	# 85
33) 4-Chloroaniline	10.620	127	66563	3.848	ng	98
34) Hexachlorobutadiene	10.638	225	30349	3.860	ng	94
35) Caprolactam	11.425	113	14277	2.822	ng	92
36) 4-Chloro-3-methylphenol	11.789	107	50244	3.396	ng	96
37) 2-Methylnaphthalene	11.983	142	128888	3.897	ng	96
38) 1-Methylnaphthalene	12.206	142	120257	3.625	ng	96
40) 1,2,4,5-Tetrachloroben...	12.336	216	62174	3.893	ng	100
41) Hexachlorocyclopentadiene	12.318	237	11664	2.223	ng	97
43) 2,4,6-Trichlorophenol	12.659	196	39139	3.461	ng	99

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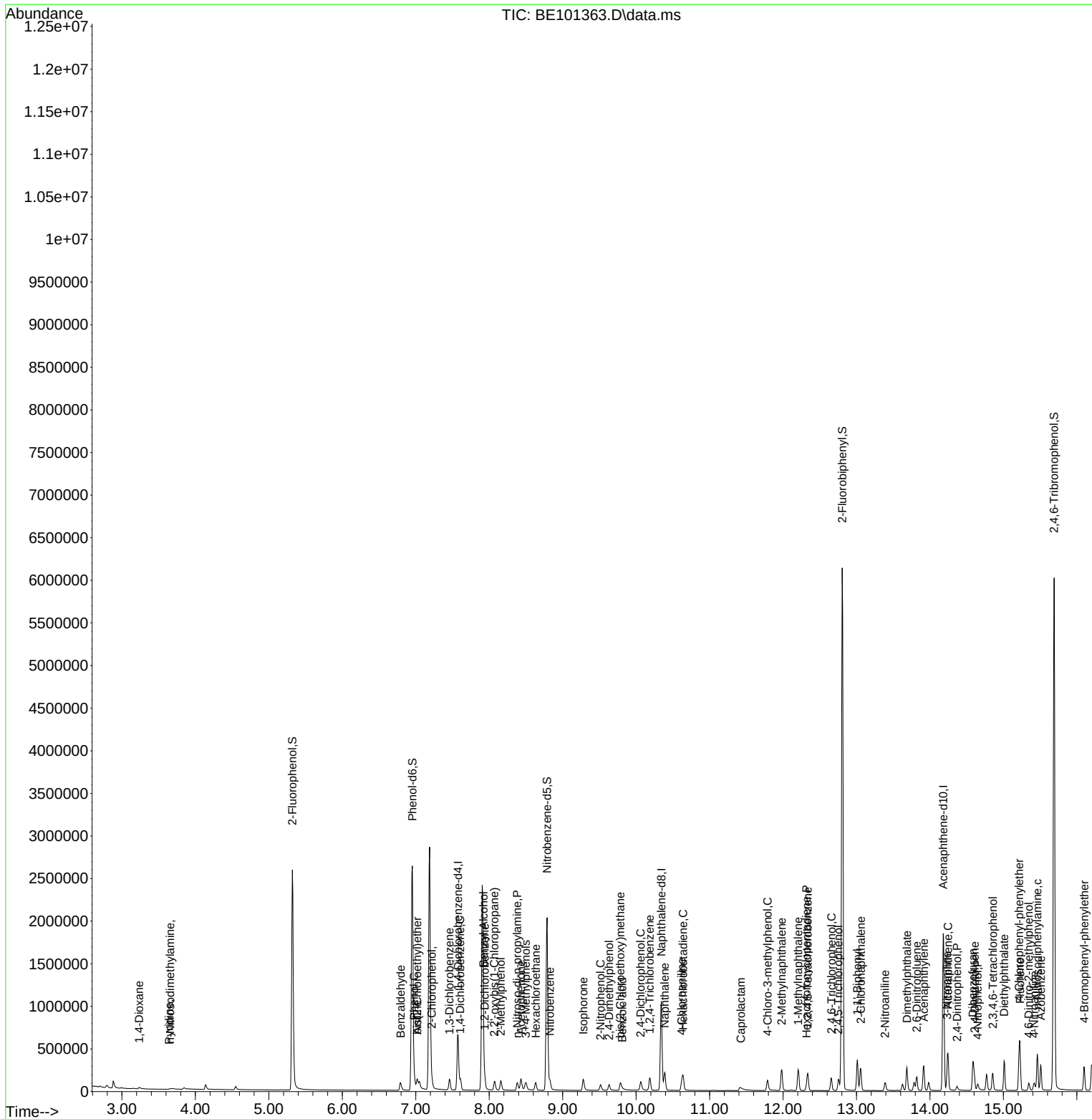
Quant Time: Sep 18 16:46:08 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	42830	3.356	ng	95
46) 1,1'-Biphenyl	13.011	154	188705	4.201	ng	97
47) 2-Chloronaphthalene	13.058	162	134480	3.806	ng	97
48) 2-Nitroaniline	13.387	65	28479	2.995	ng	95
49) Acenaphthylene	13.916	152	214395	4.066	ng	98
50) Dimethylphthalate	13.687	163	188486	3.940	ng	99
51) 2,6-Dinitrotoluene	13.822	165	34691	3.241	ng	97
52) Acenaphthene	14.245	154	132709	3.818	ng	97
53) 3-Nitroaniline	14.233	138	34032	3.090	ng #	88
54) 2,4-Dinitrophenol	14.369	184	12844	2.015	ng	96
55) Dibenzofuran	14.586	168	224148	4.083	ng	96
56) 4-Nitrophenol	14.651	139	25809	2.819	ng	100
57) 2,4-Dinitrotoluene	14.609	165	43003	2.951	ng #	98
58) Fluorene	15.226	166	181085	3.914	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.856	232	43747	3.625	ng	99
60) Diethylphthalate	15.009	149	195735	3.944	ng	98
61) 4-Chlorophenyl-phenyle...	15.215	204	88053	3.880	ng	98
62) 4-Nitroaniline	15.420	138	31891	2.779	ng	97
63) Azobenzene	15.508	77	165920	3.912	ng	97
65) 4,6-Dinitro-2-methylph...	15.344	198	20727	2.349	ng	91
66) n-Nitrosodiphenylamine	15.461	169	159815	3.858	ng	100
67) 4-Bromophenyl-phenylether	16.102	248	59542	3.688	ng	99
68) Hexachlorobenzene	16.202	284	76154	3.649	ng	99
69) Atrazine	16.396	200	60104	4.393	ng	99
70) Pentachlorophenol	16.613	266	36506	2.928	ng	99
71) Phenanthrene	16.960	178	313531	4.247	ng	98
72) Anthracene	17.048	178	277993	3.870	ng	96
73) Carbazole	17.377	167	294241	3.997	ng	98
74) Di-n-butylphthalate	17.829	149	338801	4.192	ng #	95
75) Fluoranthene	18.963	202	379375	4.269	ng	94
77) Benzidine	19.222	184	90639	3.050	ng	99
78) Pyrene	19.333	202	412316	4.140	ng	93
80) Butylbenzylphthalate	20.185	149	171479	3.890	ng	96
81) Benzo(a)anthracene	21.061	228	444058	4.416	ng	91
82) 3,3'-Dichlorobenzidine	21.037	252	148282	3.764	ng	98
83) Chrysene	21.114	228	425128	4.401	ng	91
84) Bis(2-ethylhexyl)phtha...	20.890	149	232336	3.985	ng #	93
85) Di-n-octyl phthalate	21.736	149	415114	4.362	ng	99
87) Indeno(1,2,3-cd)pyrene	25.679	276	579140	4.033	ng	97
88) Benzo(b)fluoranthene	22.659	252	451819	4.003	ng	93
89) Benzo(k)fluoranthene	22.700	252	471083	4.422	ng	93
90) Benzo(a)pyrene	23.258	252	421448	4.231	ng	97
91) Dibenzo(a,h)anthracene	25.673	278	486017	4.043	ng	97
92) Benzo(g,h,i)perylene	26.425	276	451400	3.698	ng	96

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

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LOD-MDL-SOIL-01-QT2-2024

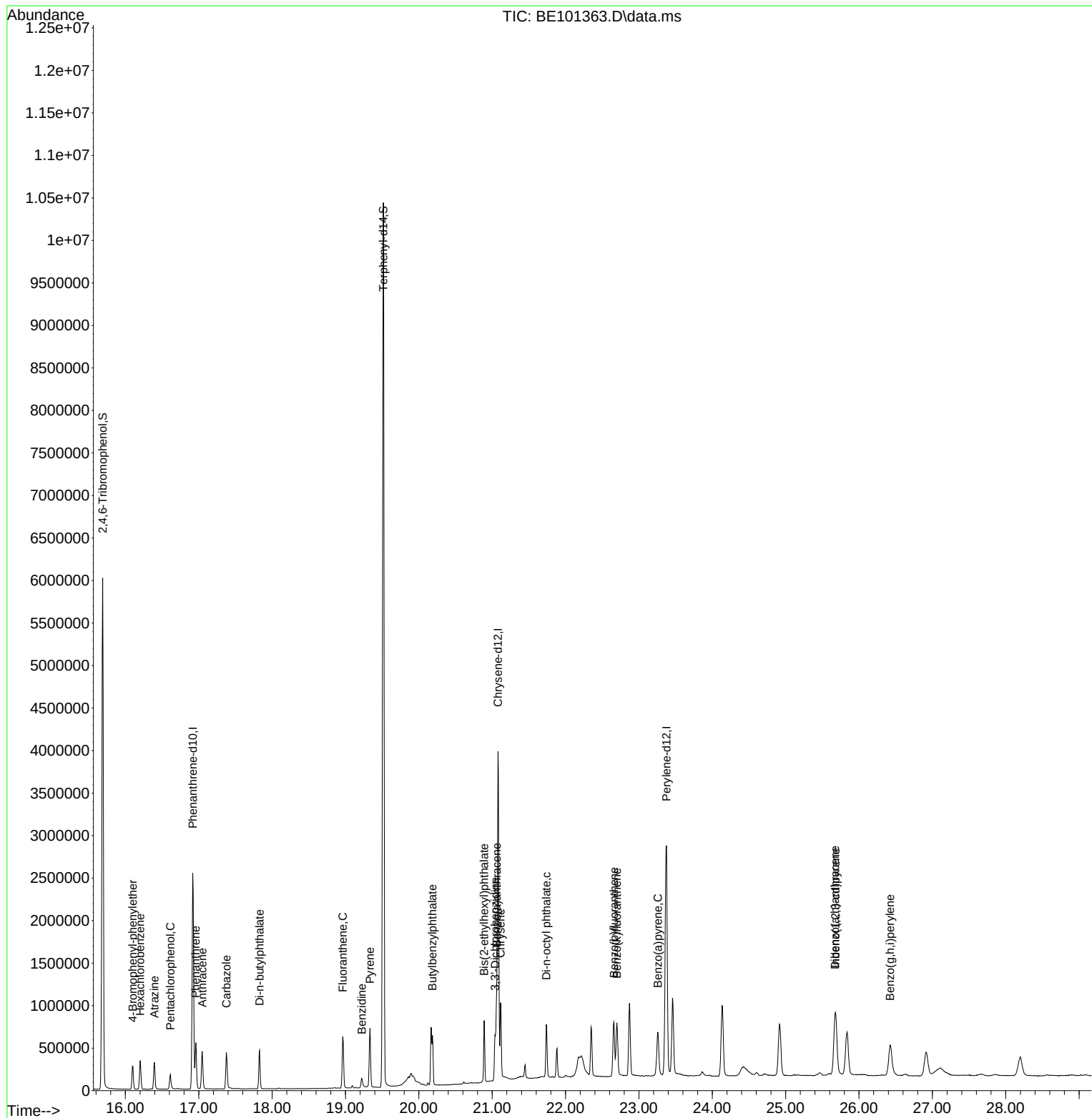
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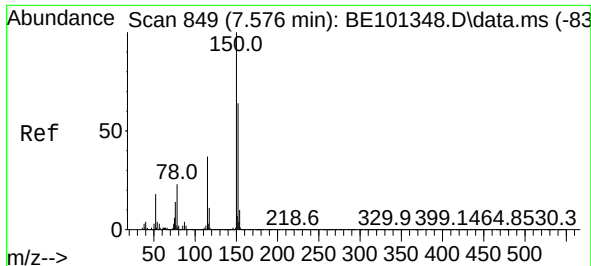


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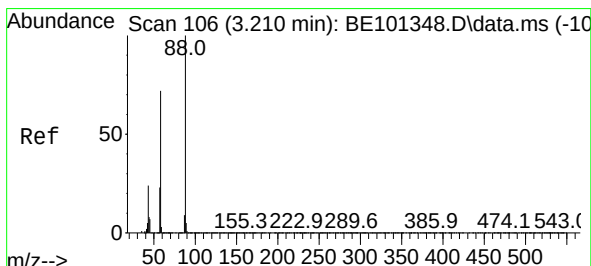
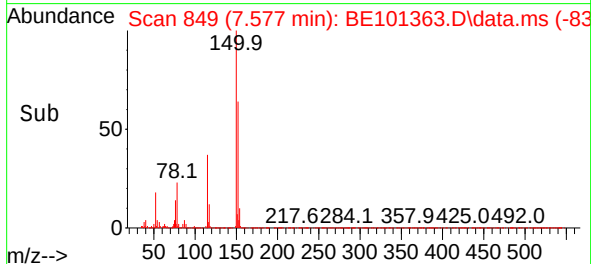
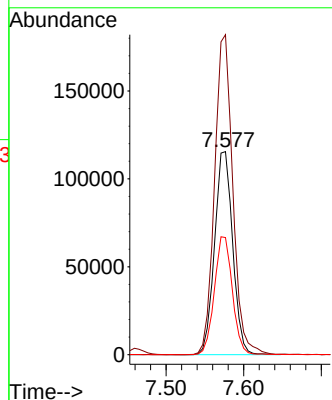
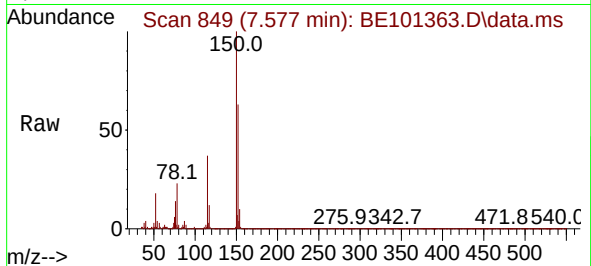




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.577 min Scan# 849
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

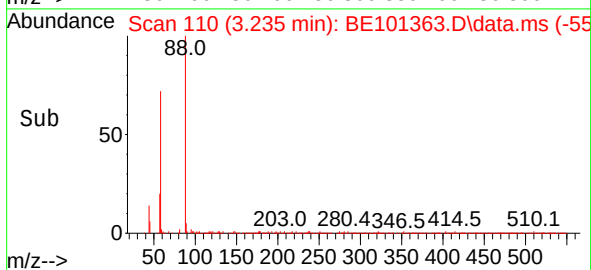
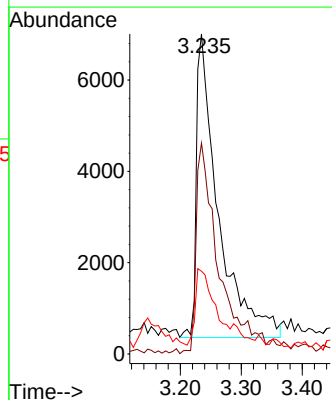
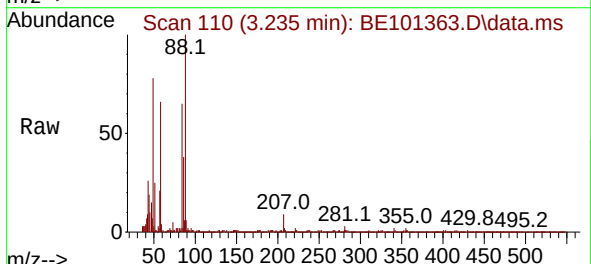
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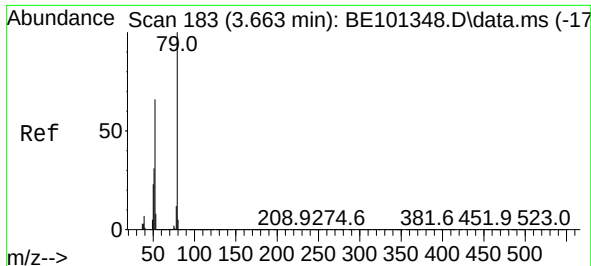
Tgt Ion:152 Resp: 187751
Ion Ratio Lower Upper
152 100
150 157.6 125.9 188.9
115 57.7 46.9 70.3



#2
1,4-Dioxane
Concen: 4.027 ng
RT: 3.235 min Scan# 110
Delta R.T. 0.024 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion: 88 Resp: 16464
Ion Ratio Lower Upper
88 100
58 74.1 58.8 88.2
43 26.1 19.4 29.2





#3

Pyridine

Concen: 0.021 ng

RT: 3.646 min Scan# 11

Delta R.T. -0.017 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

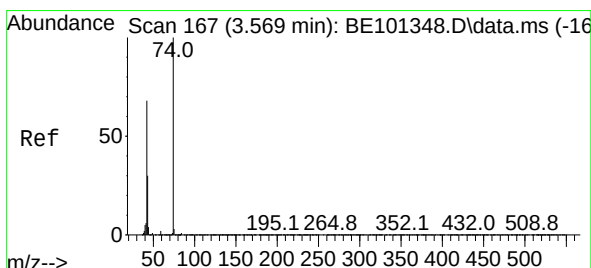
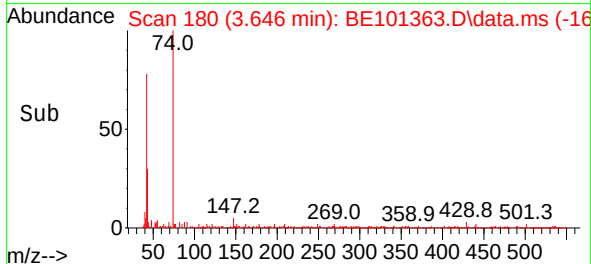
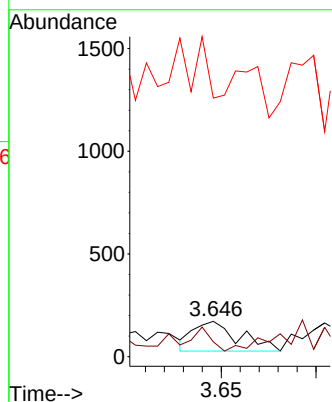
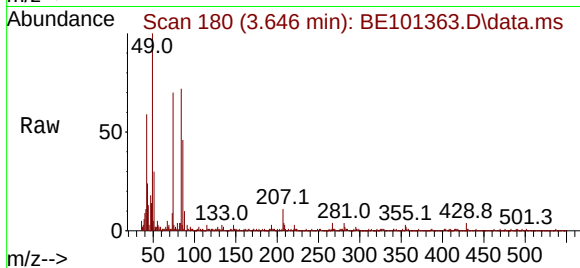
Tgt Ion: 79 Resp: 245

Ion Ratio Lower Upper

79 100

52 41.9 52.6 78.8#

51 732.0 26.2 39.2#



#4

n-Nitrosodimethylamine

Concen: 2.402 ng

RT: 3.658 min Scan# 182

Delta R.T. 0.089 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

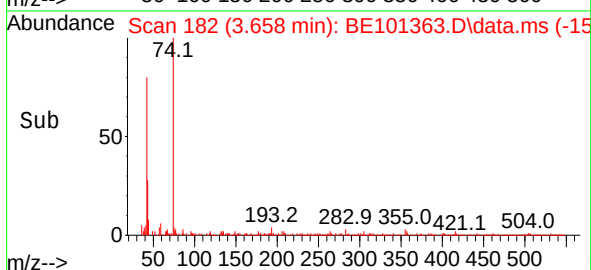
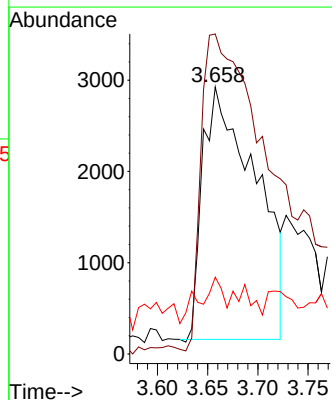
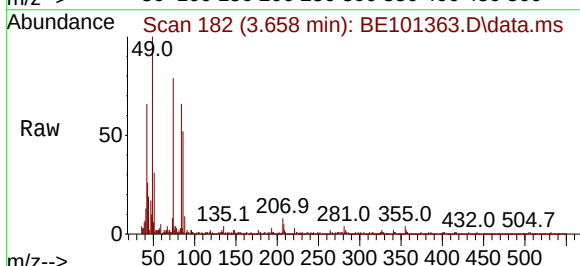
Tgt Ion: 42 Resp: 10163

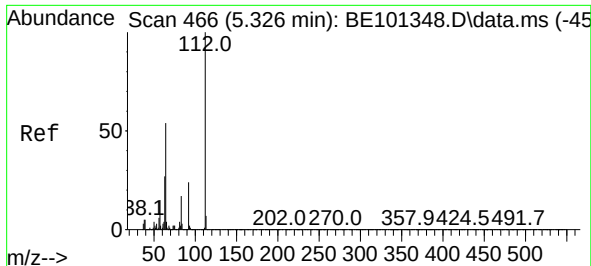
Ion Ratio Lower Upper

42 100

74 119.9 117.0 175.4

44 28.8 5.9 8.9#

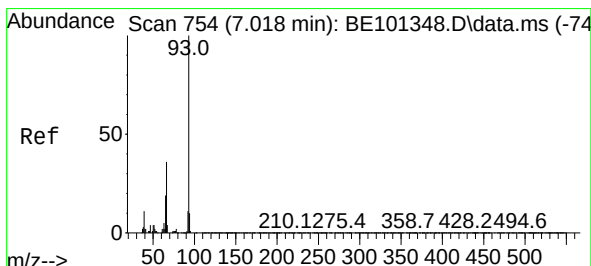
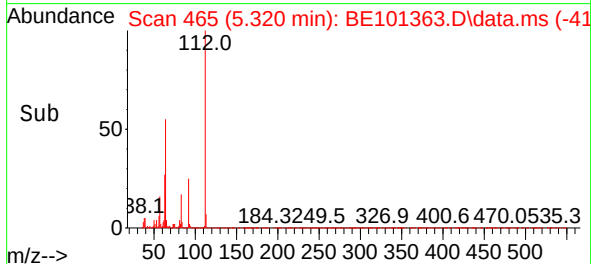
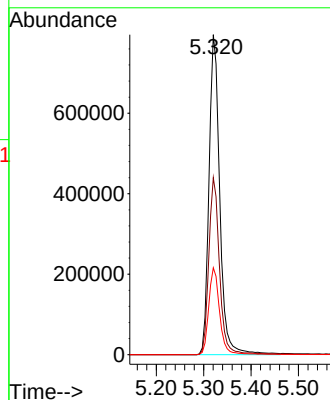
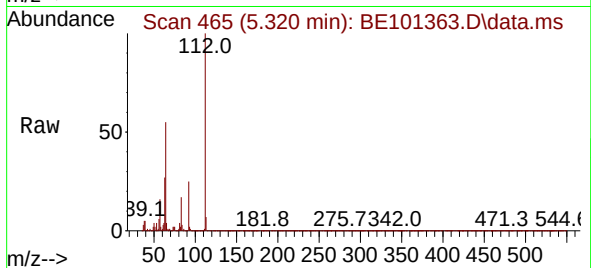




#5
2-Fluorophenol
Concen: 117.375 ng
RT: 5.320 min Scan# 466
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

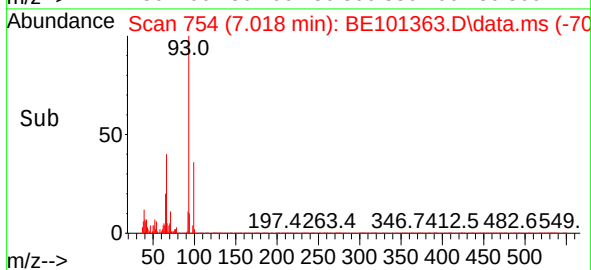
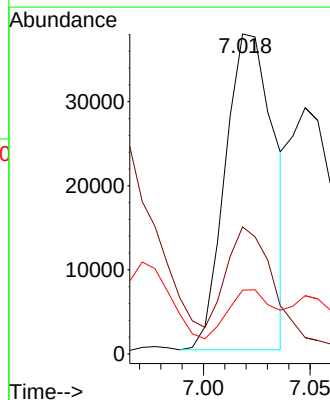
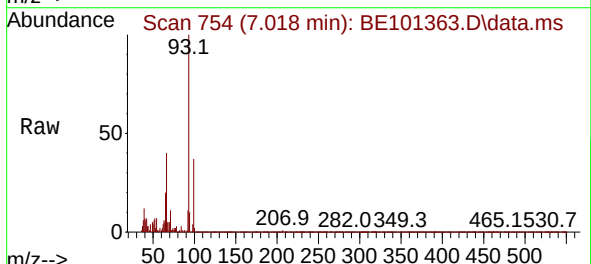
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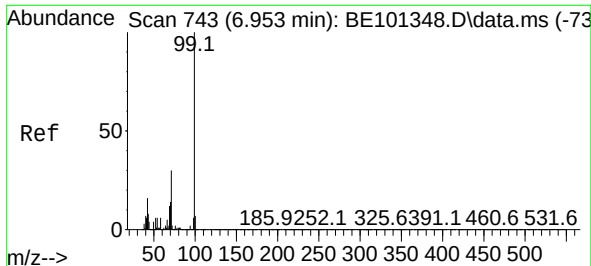
Tgt Ion:112 Resp: 1260395
Ion Ratio Lower Upper
112 100
64 55.3 42.8 64.2
63 27.1 21.3 31.9



#6
Aniline
Concen: 4.696 ng
RT: 7.018 min Scan# 754
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion: 93 Resp: 59970
Ion Ratio Lower Upper
93 100
66 39.7 30.0 45.0
65 20.0 15.8 23.8





#7

Phenol-d6

Concen: 114.494 ng

RT: 6.954 min Scan# 743

Delta R.T. 0.001 min

Lab File: BE101363.D

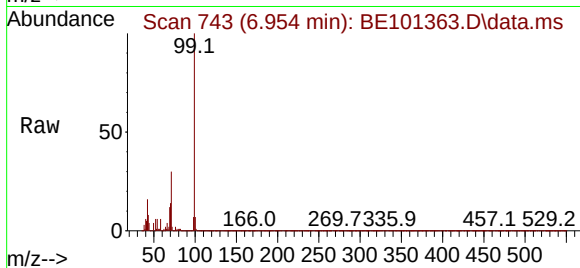
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Instrument :

BNA_E

ClientSampleId :

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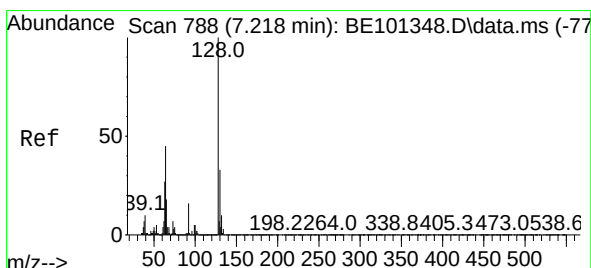
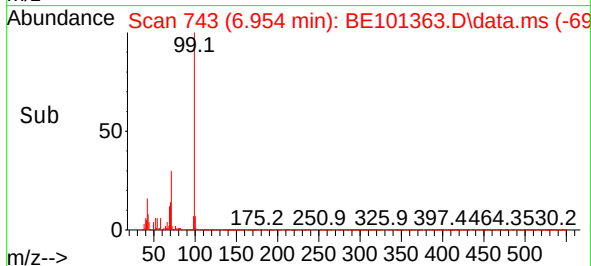
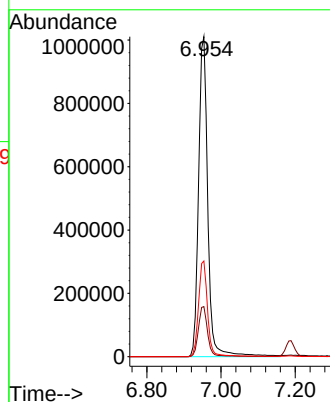
Tgt Ion: 99 Resp: 1742897

Ion Ratio Lower Upper

99 100

42 15.7 12.8 19.2

71 29.9 23.8 35.6



#8

2-Chlorophenol

Concen: 3.856 ng

RT: 7.218 min Scan# 788

Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

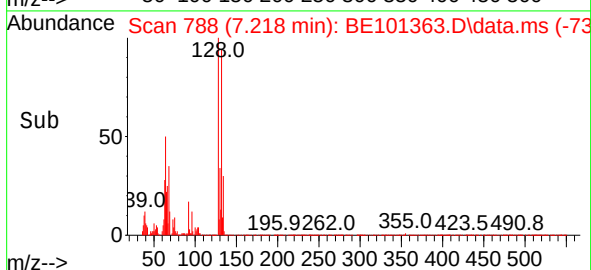
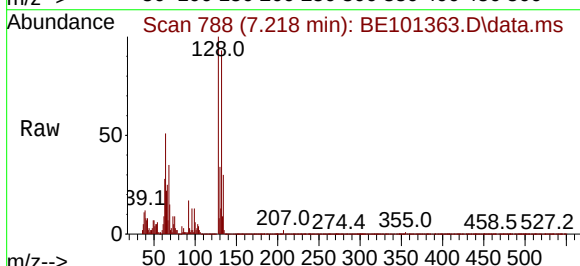
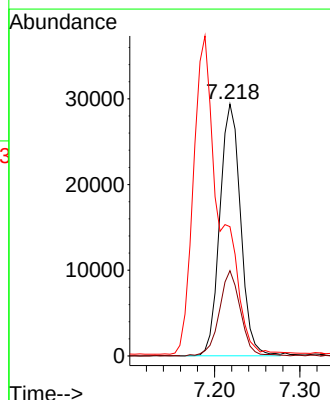
Tgt Ion:128 Resp: 49754

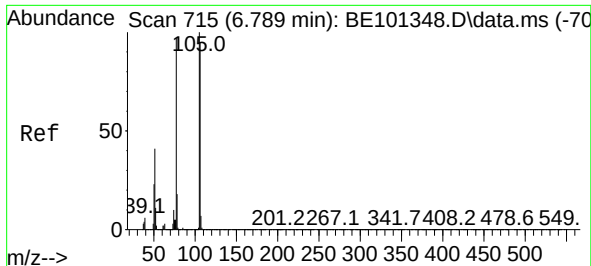
Ion Ratio Lower Upper

128 100

130 33.9 12.8 52.8

64 51.3 24.9 64.9

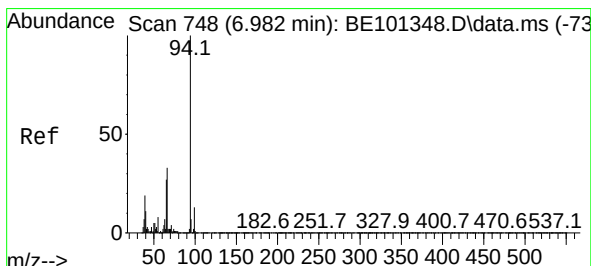
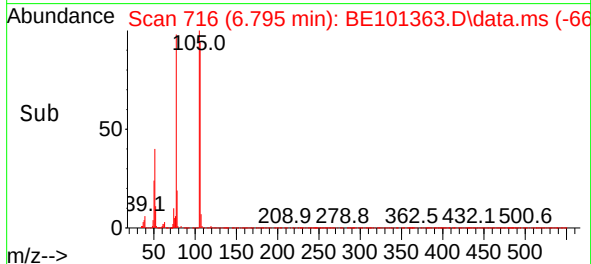
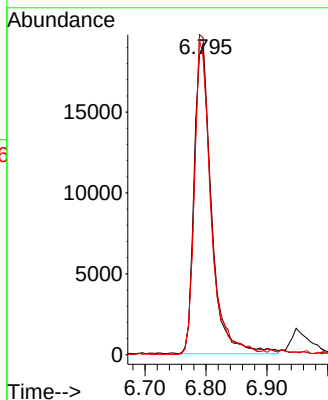
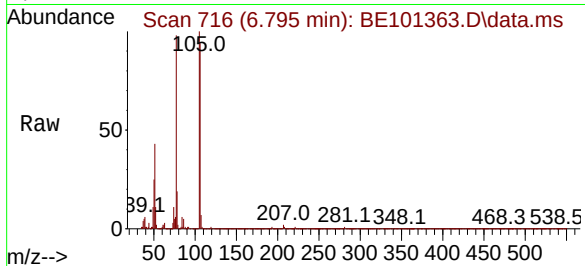




#9
Benzaldehyde
Concen: 5.386 ng
RT: 6.795 min Scan# 715
Delta R.T. 0.006 min
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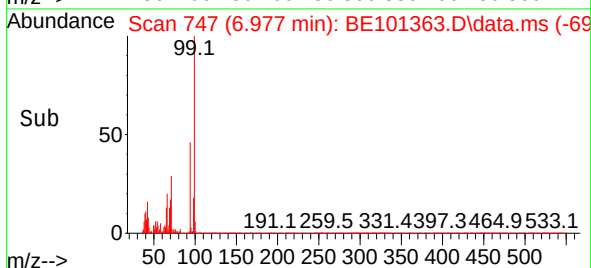
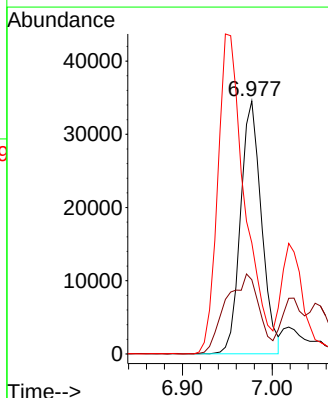
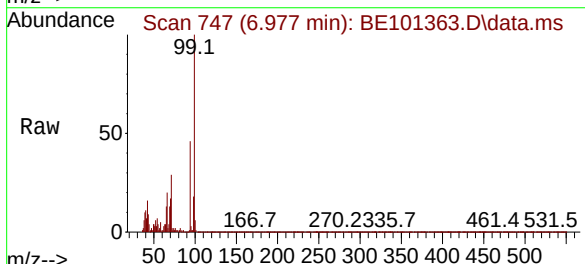
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

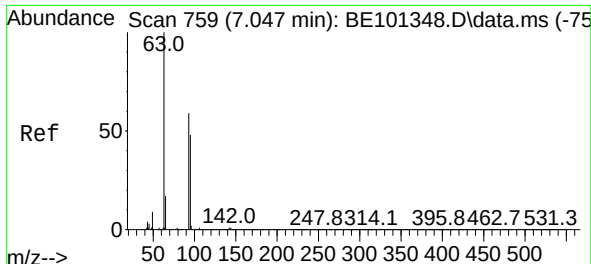
Tgt Ion: 77 Resp: 37684
Ion Ratio Lower Upper
77 100
105 102.3 82.8 122.8
106 96.1 77.9 117.9



#10
Phenol
Concen: 3.339 ng
RT: 6.977 min Scan# 747
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion: 94 Resp: 55871
Ion Ratio Lower Upper
94 100
65 29.4 7.1 47.1
66 43.9 13.1 53.1

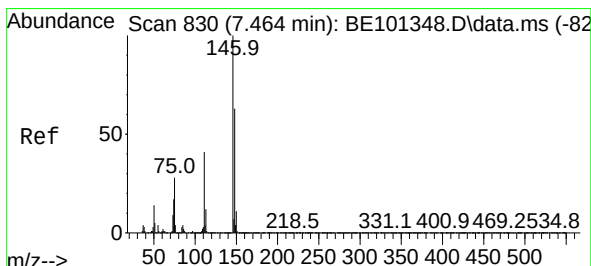
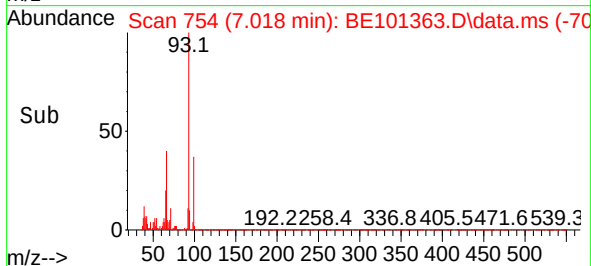
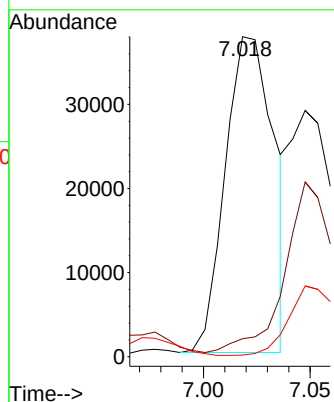
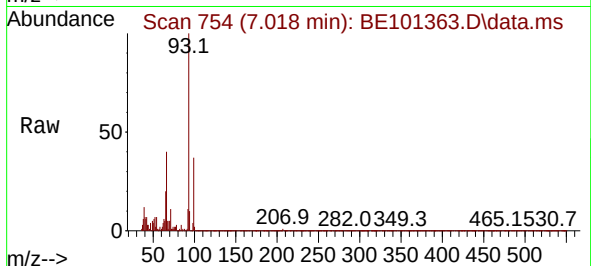




#11
bis(2-Chloroethyl)ether
Concen: 4.235 ng
RT: 7.018 min Scan# 701
Delta R.T. -0.029 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

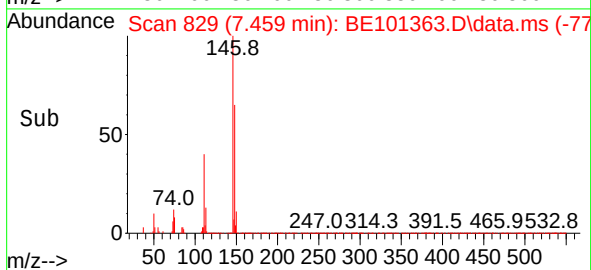
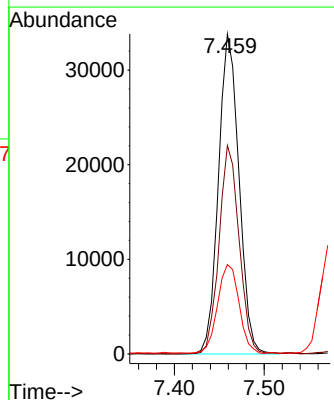
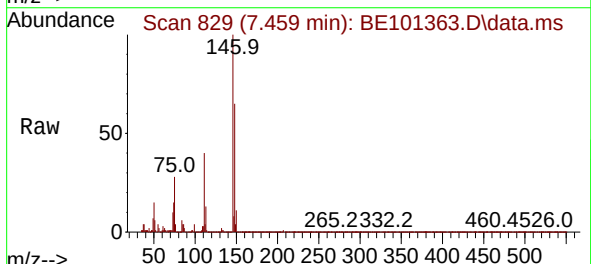
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

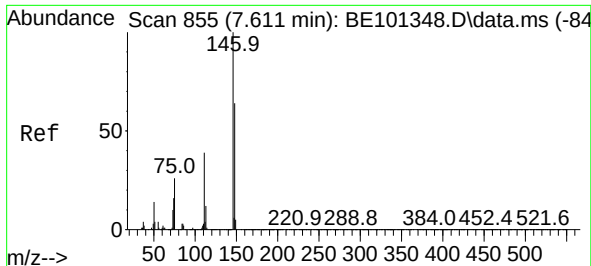
Tgt Ion: 93 Resp: 59970
Ion Ratio Lower Upper
93 100
63 5.6 43.7 83.7#
95 0.5 8.7 48.7#



#12
1,3-Dichlorobenzene
Concen: 3.865 ng
RT: 7.459 min Scan# 829
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:146 Resp: 53598
Ion Ratio Lower Upper
146 100
148 65.2 50.8 76.2
75 27.9 22.1 33.1

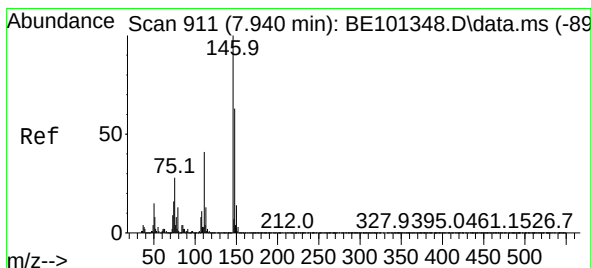
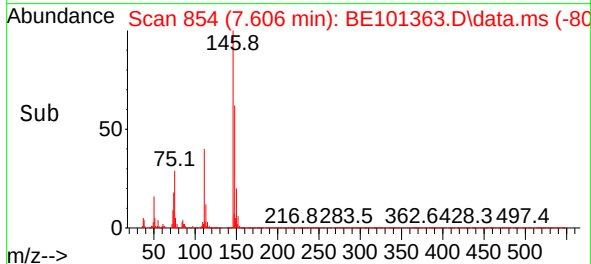
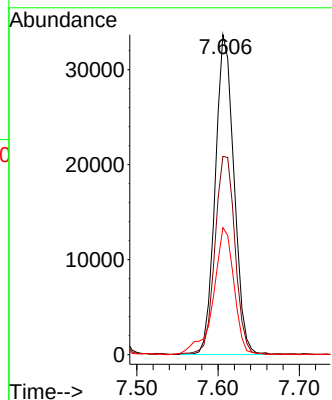
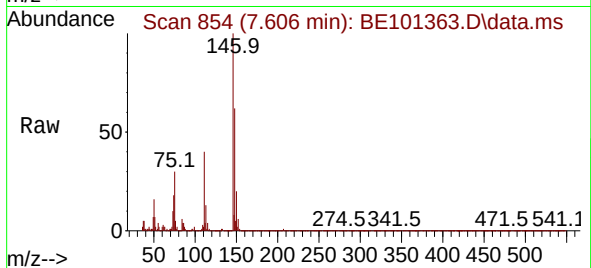




#13
1,4-Dichlorobenzene
Concen: 3.827 ng
RT: 7.606 min Scan# 855
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

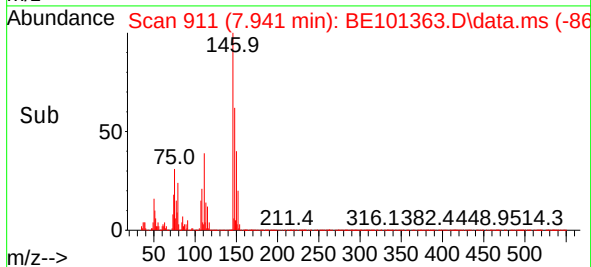
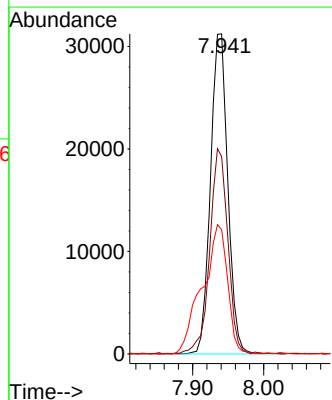
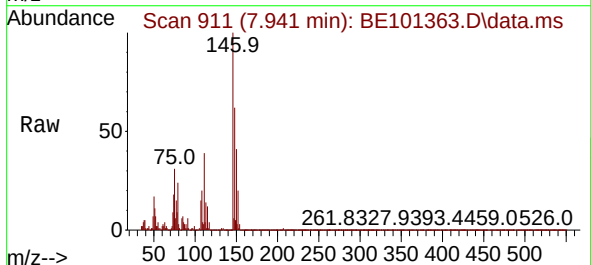
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

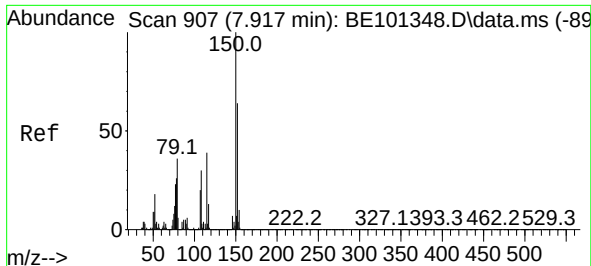
Tgt Ion:146 Resp: 54080
Ion Ratio Lower Upper
146 100
148 62.0 51.1 76.7
111 39.7 31.1 46.7



#14
1,2-Dichlorobenzene
Concen: 3.774 ng
RT: 7.941 min Scan# 911
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:146 Resp: 52844
Ion Ratio Lower Upper
146 100
148 61.7 50.4 75.6
111 38.8 32.6 48.8

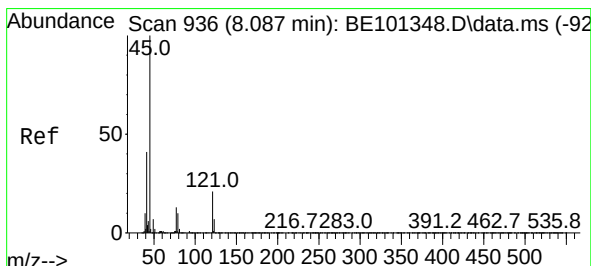
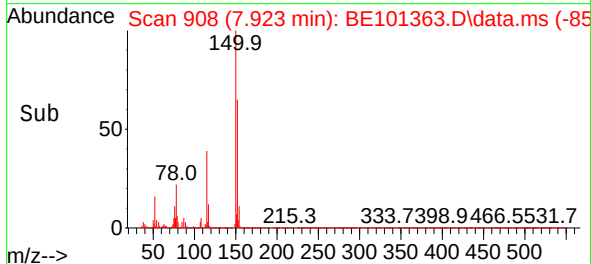
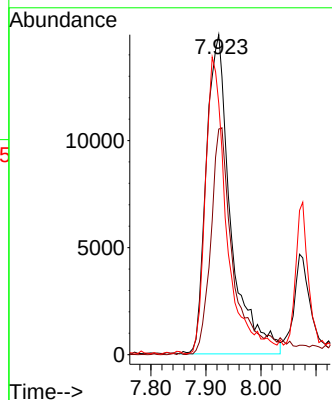
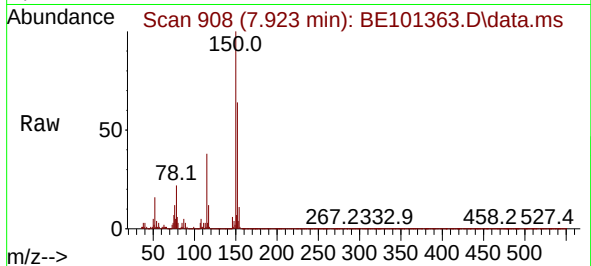




#15
Benzyl Alcohol
Concen: 5.088 ng
RT: 7.923 min Scan# 907
Delta R.T. 0.006 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

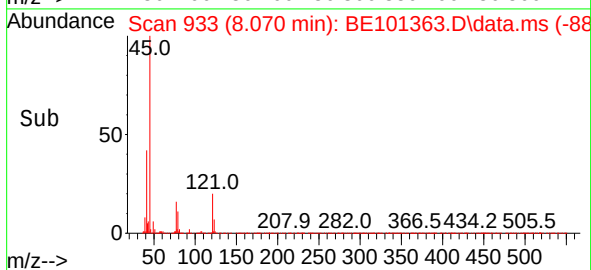
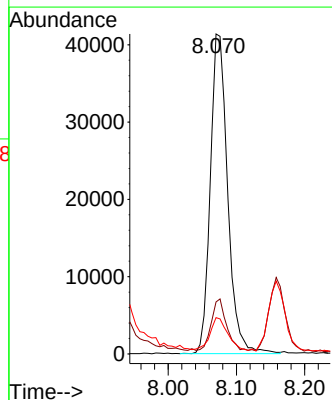
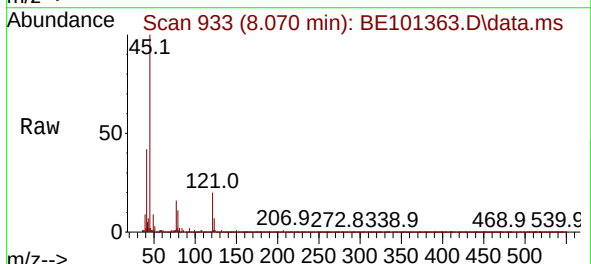
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

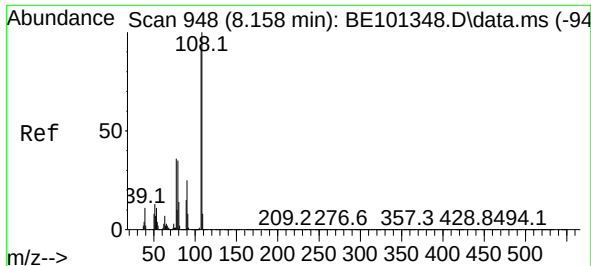
Tgt Ion: 79 Resp: 46117
Ion Ratio Lower Upper
79 100
108 70.5 66.0 99.0
77 78.5 51.0 76.6#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.109 ng
RT: 8.070 min Scan# 933
Delta R.T. -0.017 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion: 45 Resp: 73336
Ion Ratio Lower Upper
45 100
77 16.3 0.0 34.3
79 11.3 0.0 31.6

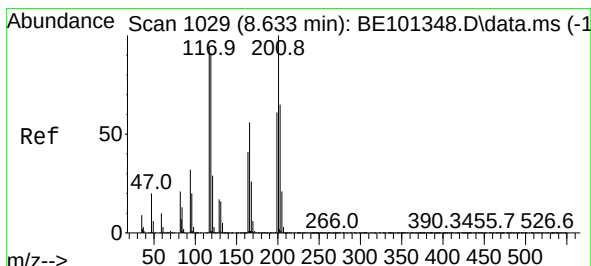
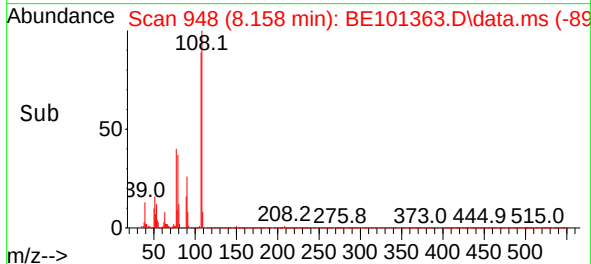
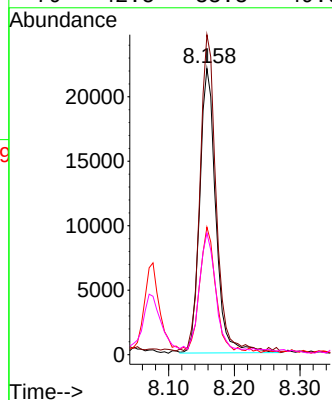
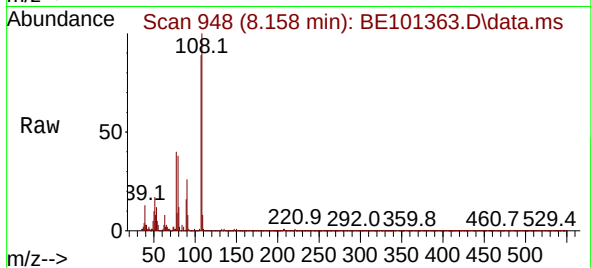




#17
2-Methylphenol
Concen: 3.411 ng
RT: 8.158 min Scan# 948
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

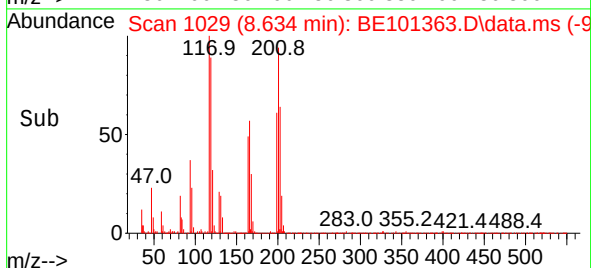
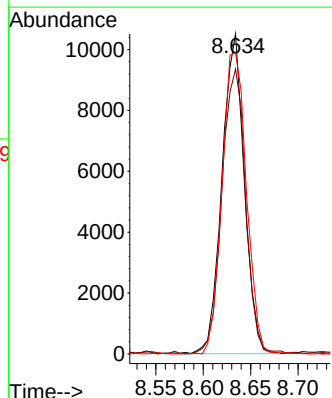
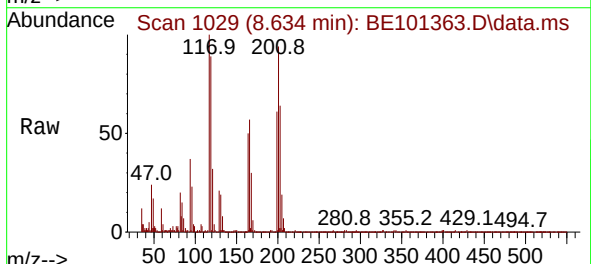
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

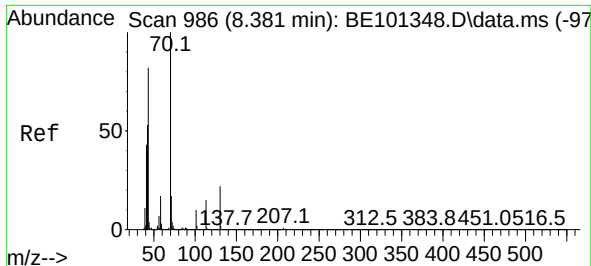
Tgt Ion:	107	Resp:	37816
Ion	Ratio	Lower	Upper
107	100		
108	111.8	88.2	132.2
77	44.6	34.9	52.3
79	42.5	33.3	49.9



#18
Hexachloroethane
Concen: 3.716 ng
RT: 8.634 min Scan# 1029
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:	117	Resp:	17169
Ion	Ratio	Lower	Upper
117	100		
119	89.1	77.4	116.2
201	94.1	84.8	127.2





#19

n-Nitroso-di-n-propylamine

Concen: 3.604 ng

RT: 8.381 min Scan# 986

Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 70 Resp: 38718

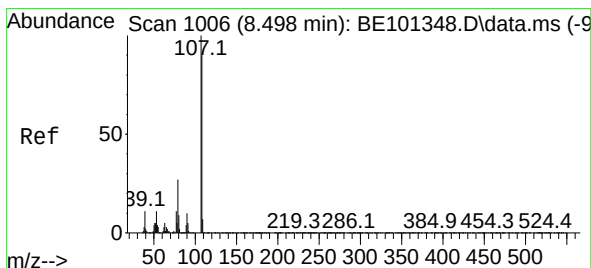
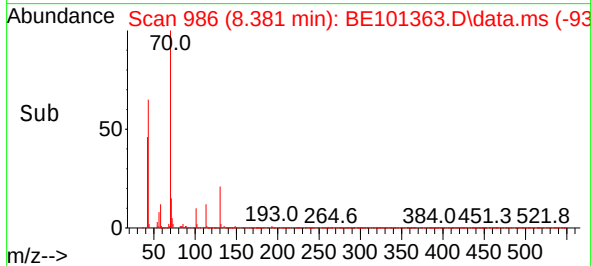
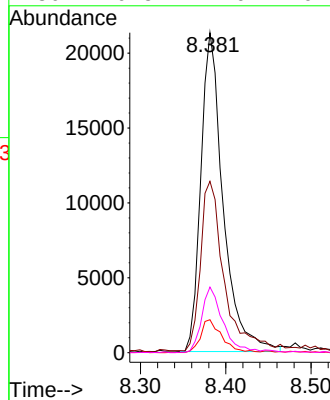
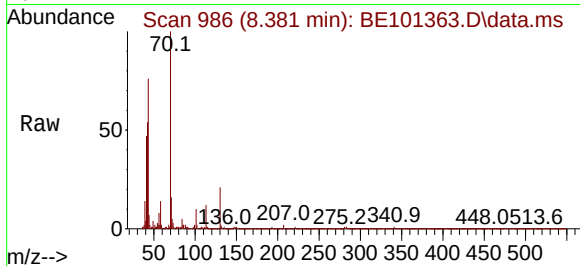
Ion Ratio Lower Upper

70 100

42 53.6 42.5 63.7

101 10.3 7.8 11.6

130 20.5 17.9 26.9



#20

3+4-Methylphenols

Concen: 3.187 ng

RT: 8.499 min Scan# 1006

Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Tgt Ion: 107 Resp: 49722

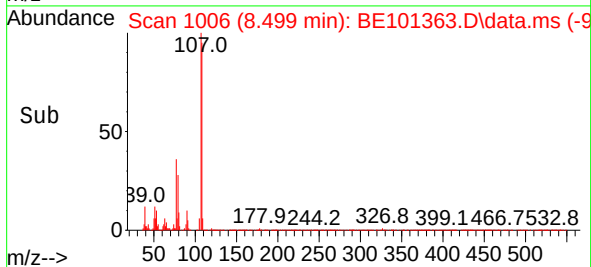
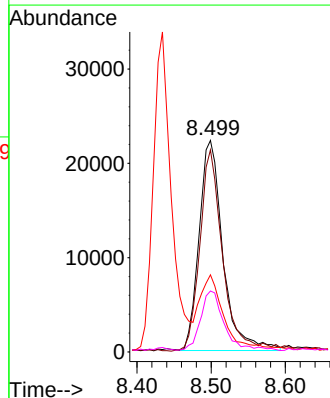
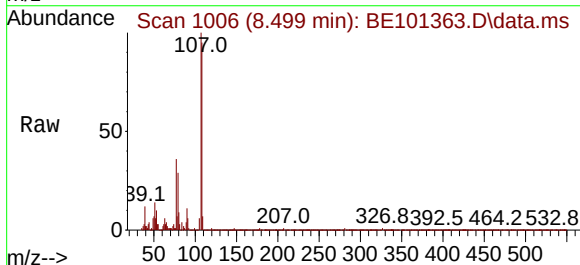
Ion Ratio Lower Upper

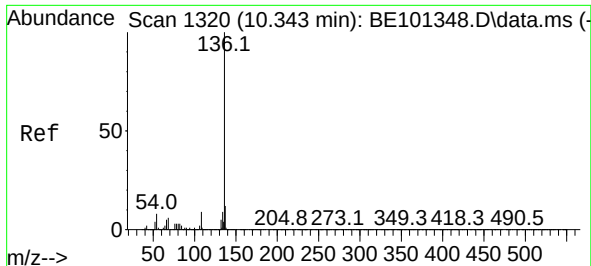
107 100

108 95.5 70.4 110.4

77 36.5 12.5 52.5

79 28.8 7.3 47.3

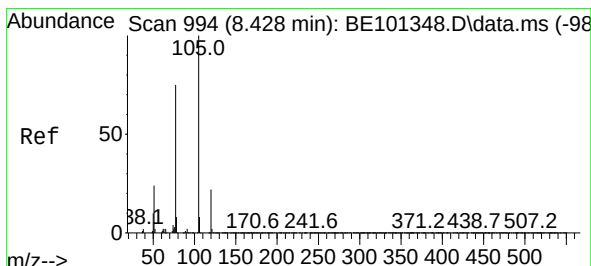
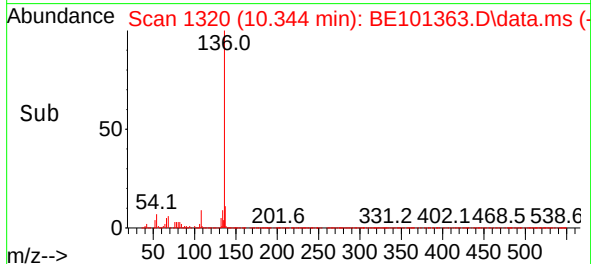
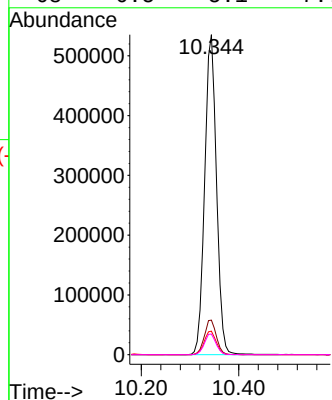
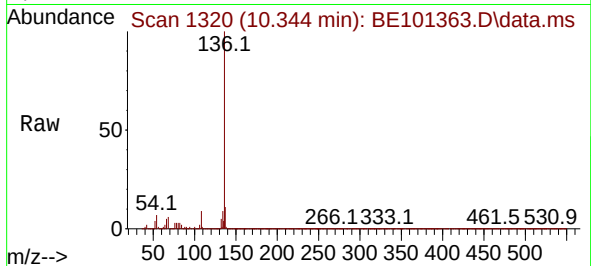




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.344 min Scan# 1320
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

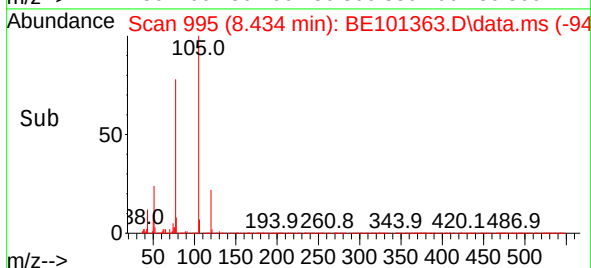
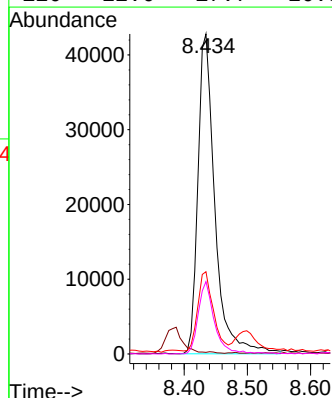
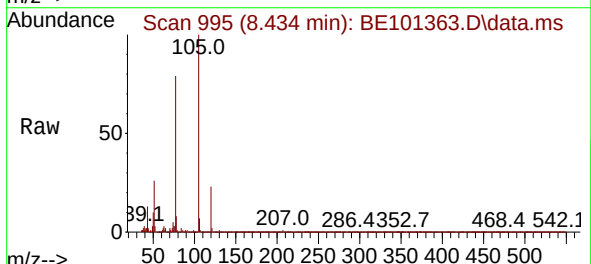
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

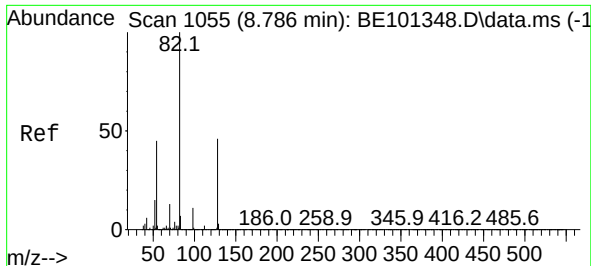
Tgt Ion:	136	Resp:	896181
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	7.3	6.1	9.1
68	6.5	5.1	7.7



#22
Acetophenone
Concen: 3.850 ng
RT: 8.434 min Scan# 995
Delta R.T. 0.006 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:	105	Resp:	80012
Ion	Ratio	Lower	Upper
105	100		
71	0.5	0.1	0.1#
51	25.7	19.0	28.4
120	22.6	17.7	26.5





#23

Nitrobenzene-d5

Concen: 85.445 ng

RT: 8.787 min Scan# 1055

Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

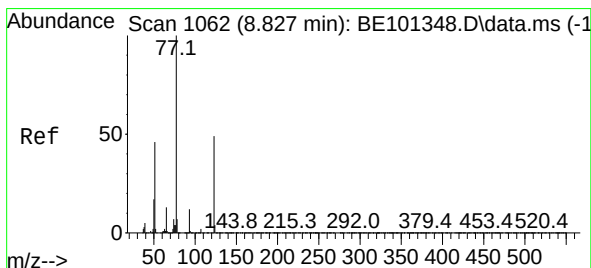
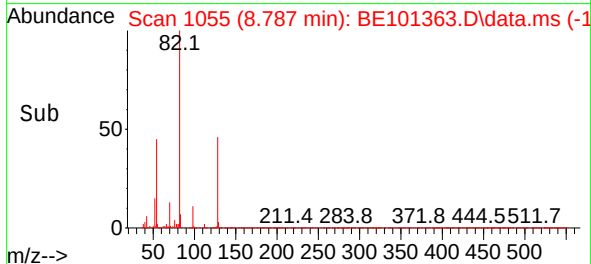
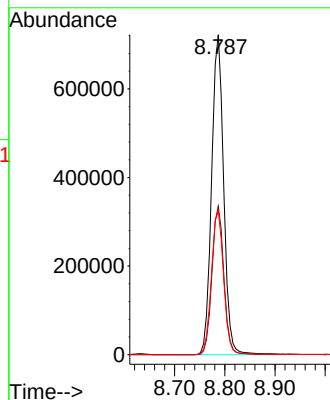
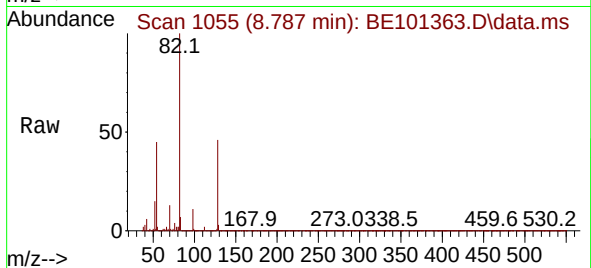
Tgt Ion: 82 Resp: 1207827

Ion Ratio Lower Upper

82 100

128 46.5 36.8 55.2

54 44.9 36.2 54.4



#24

Nitrobenzene

Concen: 4.167 ng

RT: 8.828 min Scan# 1062

Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

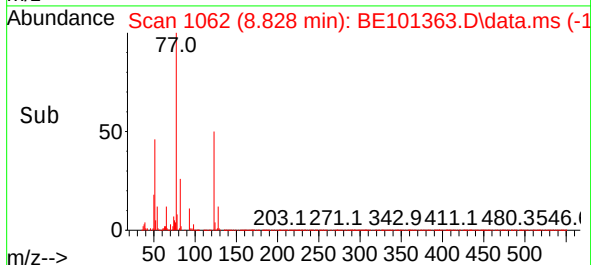
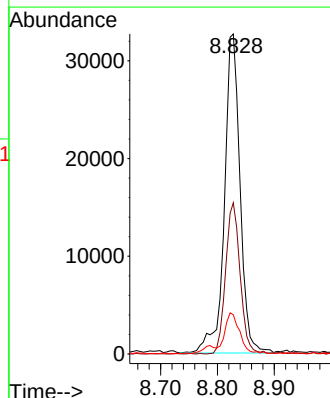
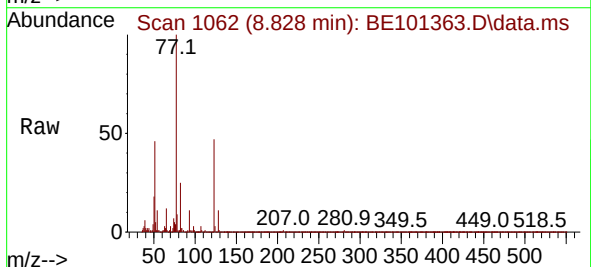
Tgt Ion: 77 Resp: 62881

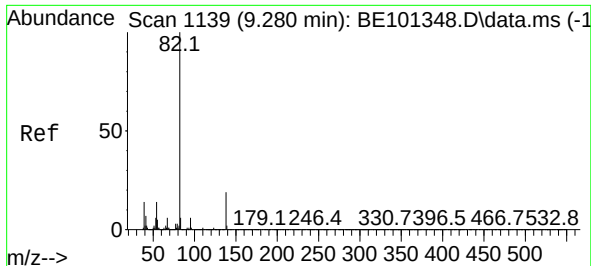
Ion Ratio Lower Upper

77 100

123 47.2 39.0 58.4

65 12.3 10.2 15.4

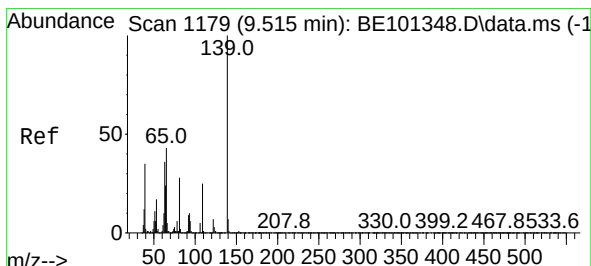
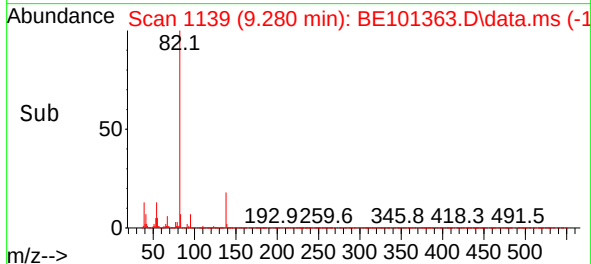
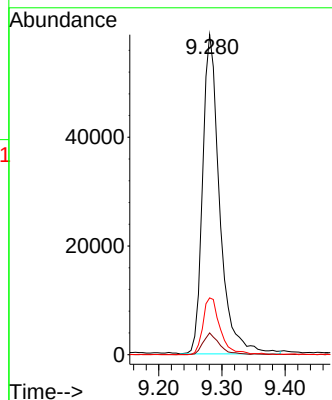
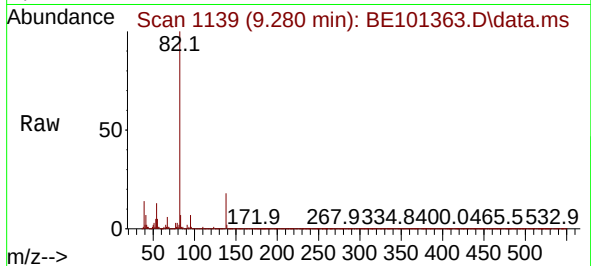




#25
Isophorone
Concen: 3.824 ng
RT: 9.280 min Scan# 1139
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

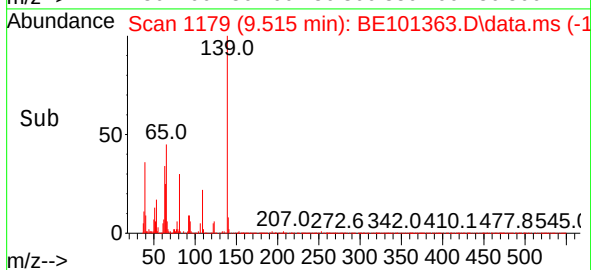
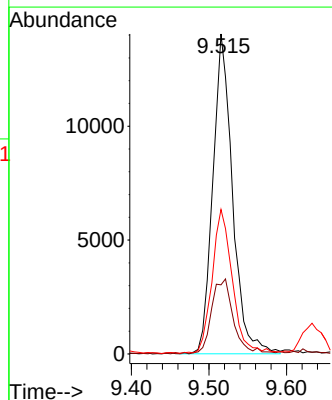
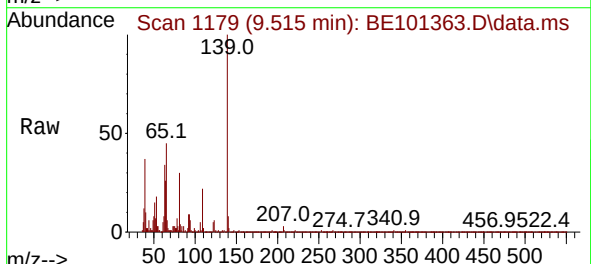
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

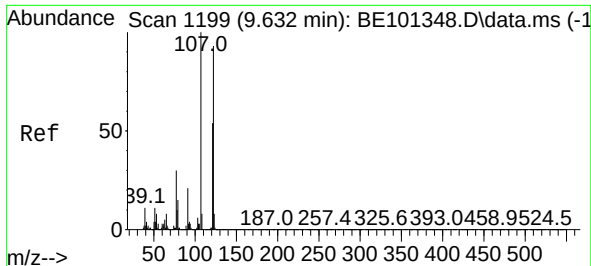
Tgt Ion: 82 Resp: 110648
Ion Ratio Lower Upper
82 100
95 6.8 5.2 7.8
138 17.7 15.0 22.6



#26
2-Nitrophenol
Concen: 3.481 ng
RT: 9.515 min Scan# 1179
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion: 139 Resp: 24791
Ion Ratio Lower Upper
139 100
109 21.6 19.8 29.6
65 45.2 34.6 52.0

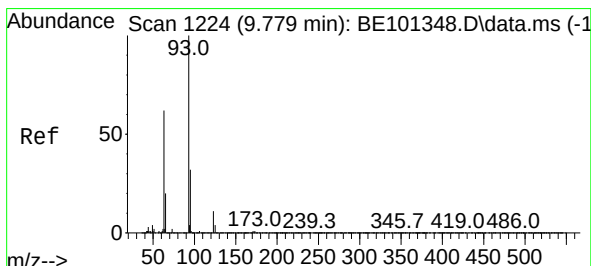
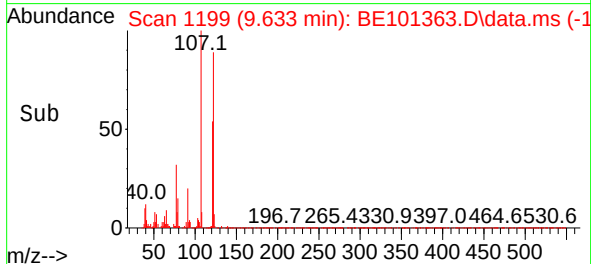
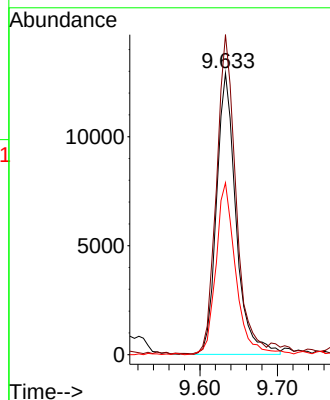
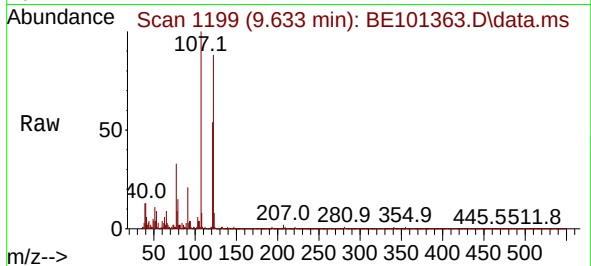




#27
2,4-Dimethylphenol
Concen: 2.466 ng
RT: 9.633 min Scan# 1199
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

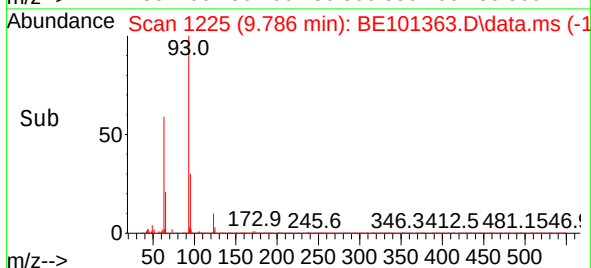
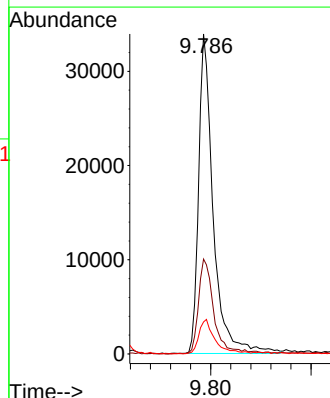
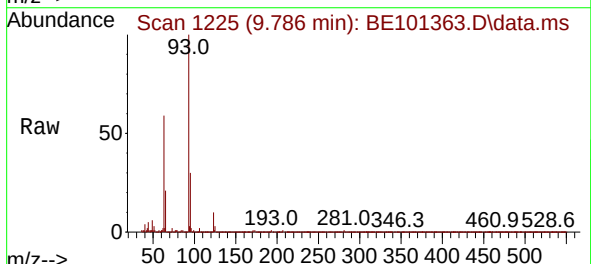
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

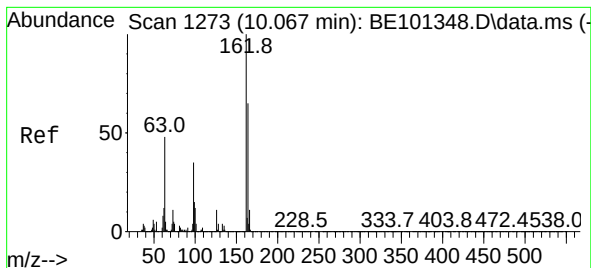
Tgt Ion:122 Resp: 22553
Ion Ratio Lower Upper
122 100
107 113.7 86.4 129.6
121 61.1 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 3.894 ng
RT: 9.786 min Scan# 1225
Delta R.T. 0.006 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion: 93 Resp: 68165
Ion Ratio Lower Upper
93 100
95 29.6 26.0 39.0
123 10.0 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 3.503 ng

RT: 10.062 min Scan# 1272

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

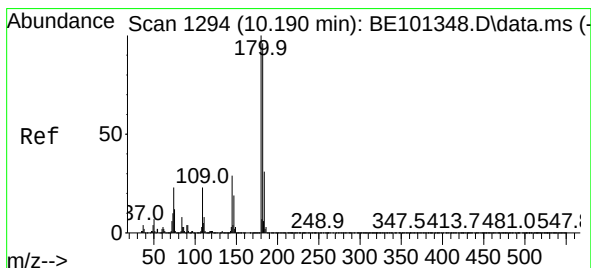
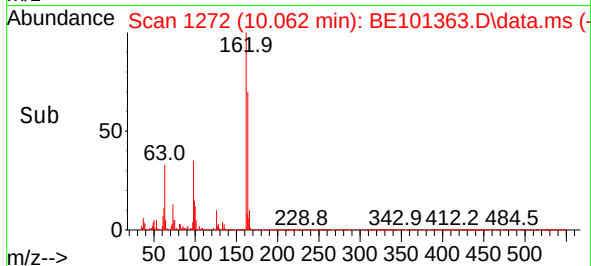
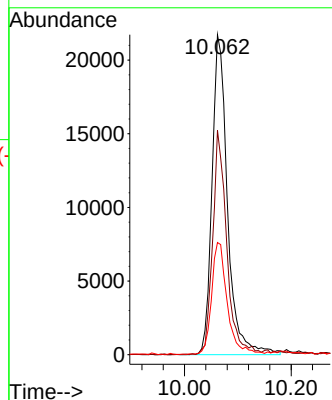
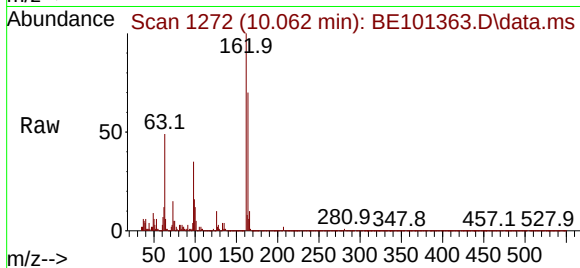
Tgt Ion:162 Resp: 43868

Ion Ratio Lower Upper

162 100

164 70.1 44.6 84.6

98 35.1 14.7 54.7



#30

1,2,4-Trichlorobenzene

Concen: 3.824 ng

RT: 10.185 min Scan# 1293

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

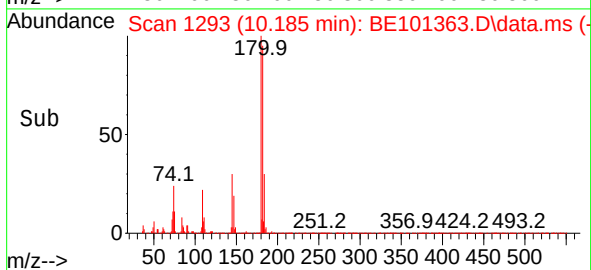
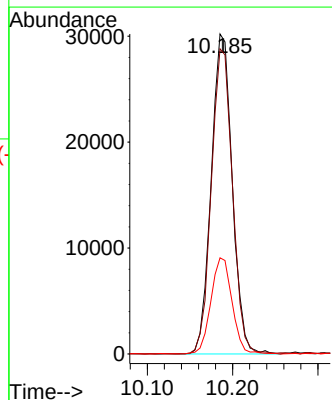
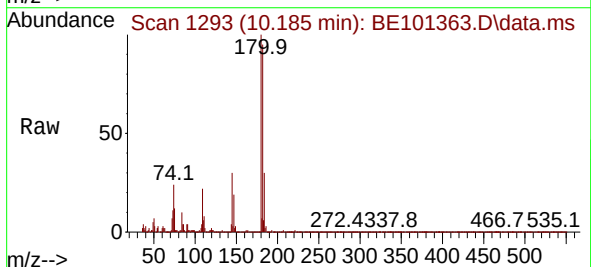
Tgt Ion:180 Resp: 51750

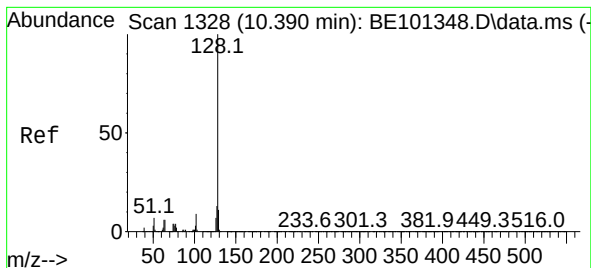
Ion Ratio Lower Upper

180 100

182 95.4 76.6 114.8

145 30.1 23.5 35.3





#31

Naphthalene

Concen: 3.962 ng

RT: 10.391 min Scan# 1328

Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

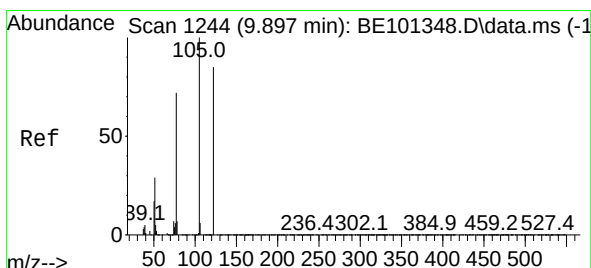
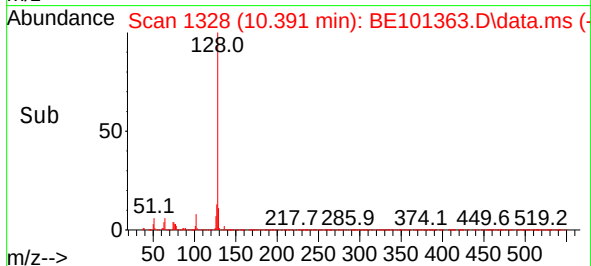
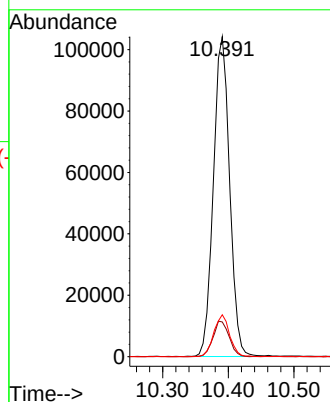
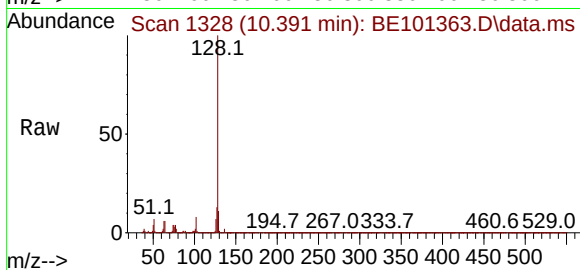
Tgt Ion:128 Resp: 179160

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.1 10.3 15.5



#32

Benzoic acid

Concen: 8.042 ng

RT: 9.809 min Scan# 1229

Delta R.T. -0.088 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

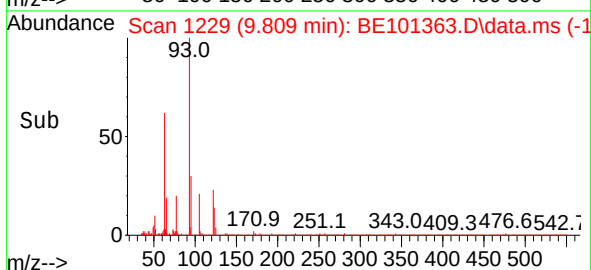
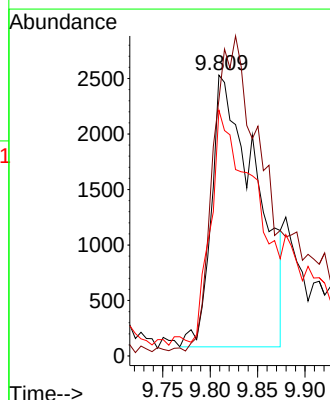
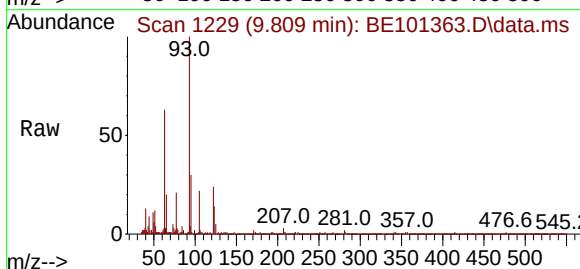
Tgt Ion:122 Resp: 8039

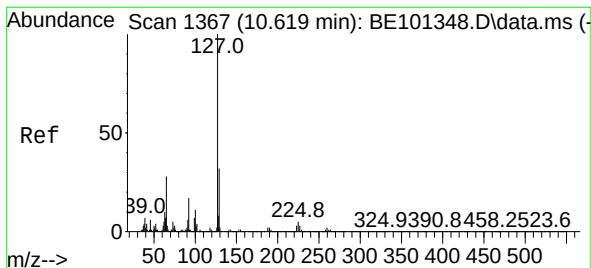
Ion Ratio Lower Upper

122 100

105 91.3 96.7 136.7#

77 87.5 64.8 104.8





#33

4-Chloroaniline

Concen: 3.848 ng

RT: 10.620 min Scan# 1367

Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:127 Resp: 66563

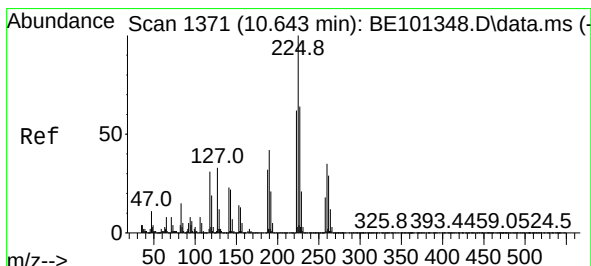
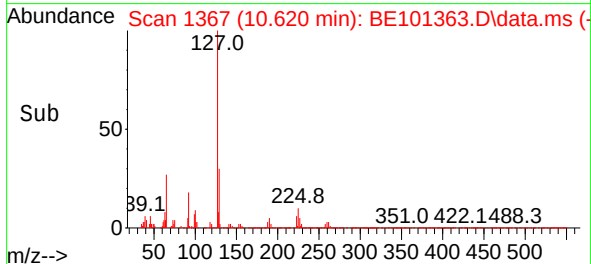
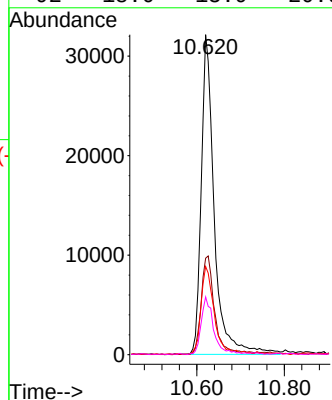
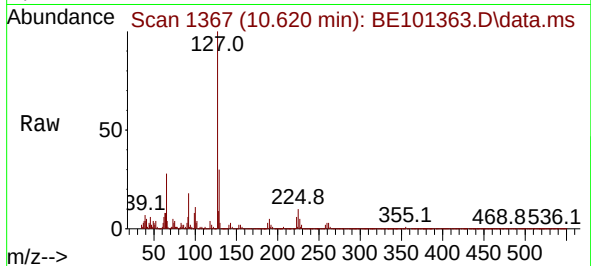
Ion Ratio Lower Upper

127 100

129 30.1 25.8 38.8

65 27.6 22.5 33.7

92 18.0 13.9 20.9



#34

Hexachlorobutadiene

Concen: 3.860 ng

RT: 10.638 min Scan# 1370

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

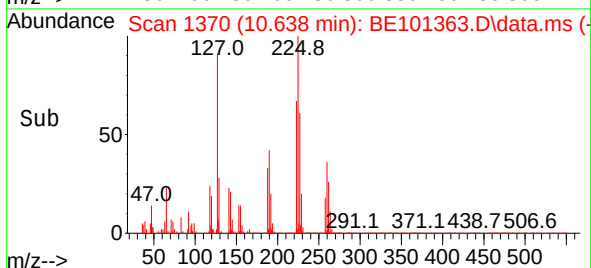
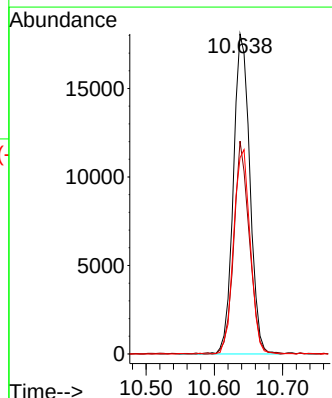
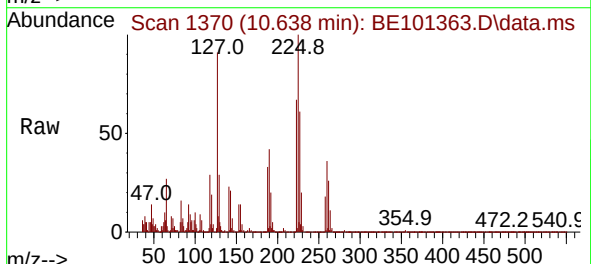
Tgt Ion:225 Resp: 30349

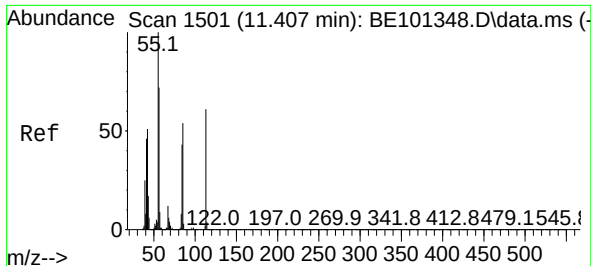
Ion Ratio Lower Upper

225 100

223 68.8 49.8 74.8

227 61.3 51.3 76.9

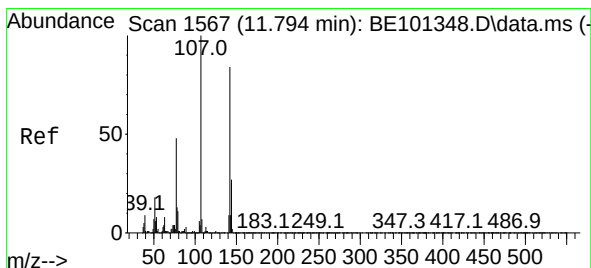
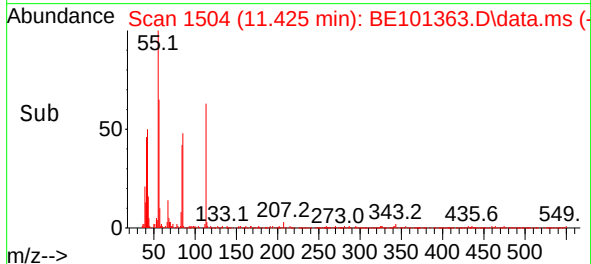
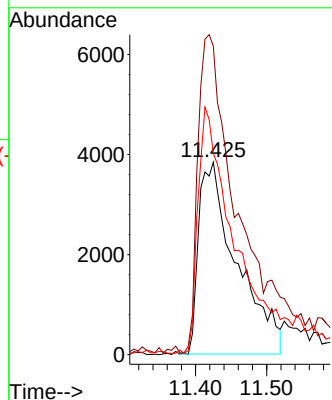
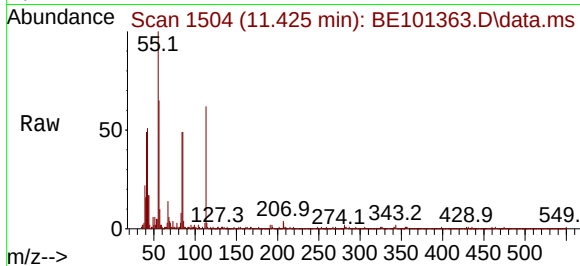




#35
Caprolactam
Concen: 2.822 ng
RT: 11.425 min Scan# 1504
Delta R.T. 0.018 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

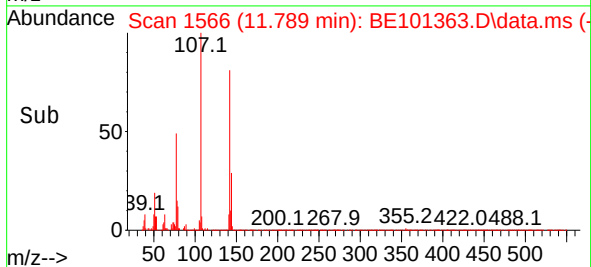
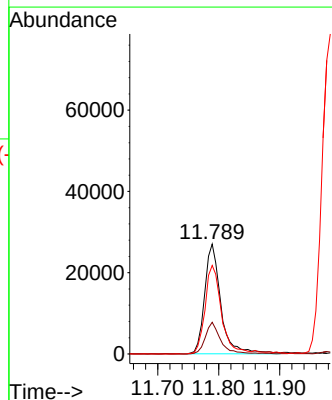
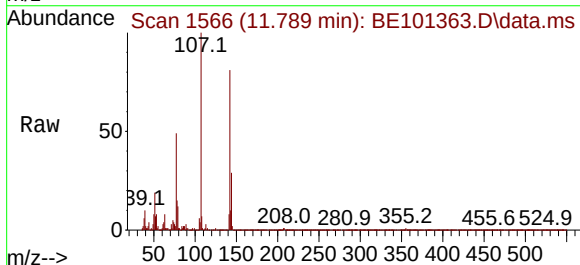
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

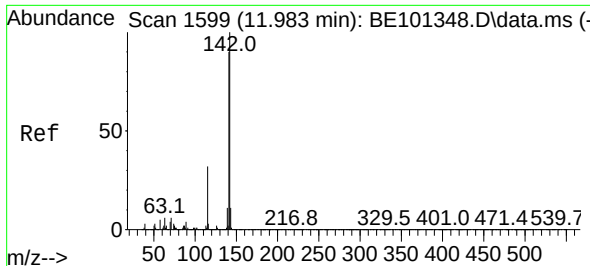
Tgt Ion:113 Resp: 14277
Ion Ratio Lower Upper
113 100
55 160.3 144.8 184.8
56 104.4 99.3 139.3



#36
4-Chloro-3-methylphenol
Concen: 3.396 ng
RT: 11.789 min Scan# 1566
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:107 Resp: 50244
Ion Ratio Lower Upper
107 100
144 28.9 21.9 32.9
142 80.5 67.4 101.2

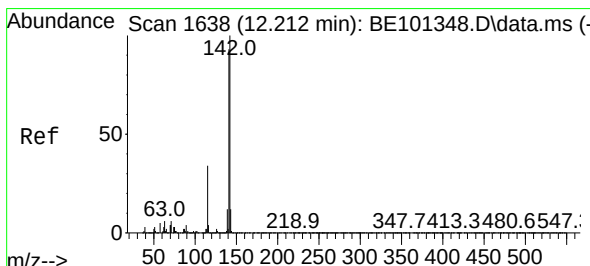
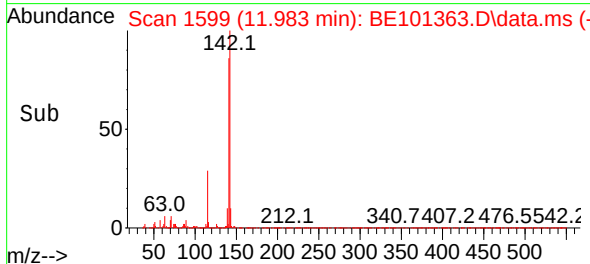
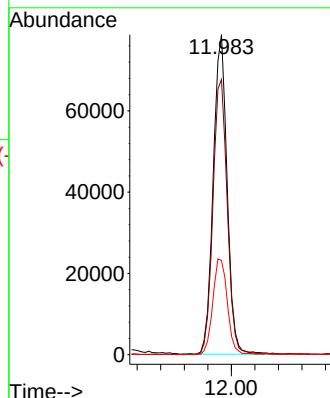
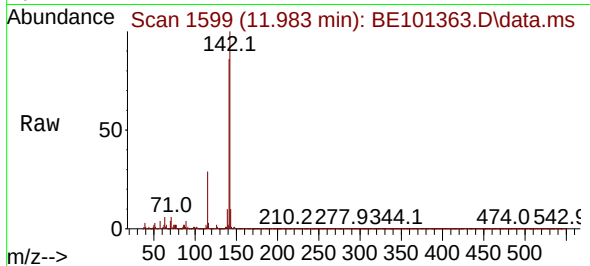




#37
2-Methylnaphthalene
Concen: 3.897 ng
RT: 11.983 min Scan# 1599
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

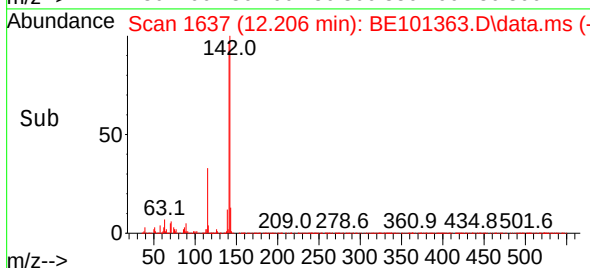
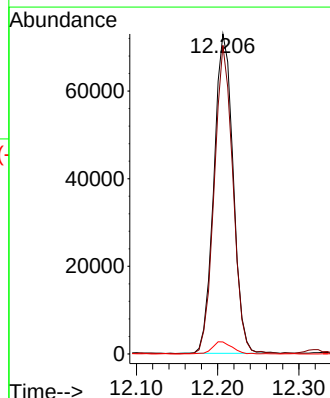
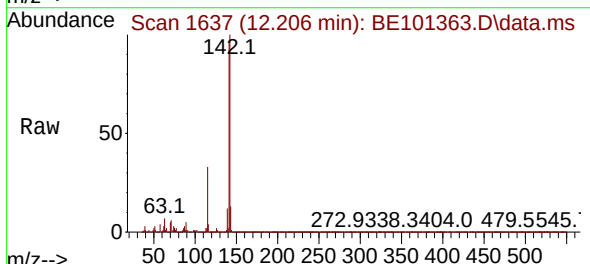
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

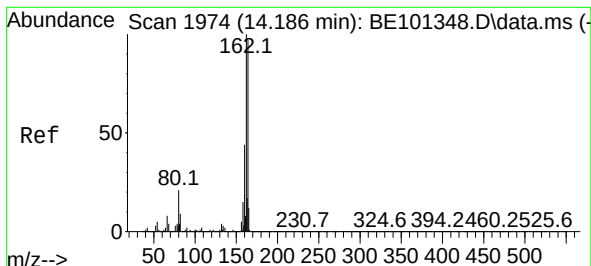
Tgt Ion:142 Resp: 128888
Ion Ratio Lower Upper
142 100
141 86.0 71.8 107.6
115 29.4 25.6 38.4



#38
1-Methylnaphthalene
Concen: 3.625 ng
RT: 12.206 min Scan# 1637
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:142 Resp: 120257
Ion Ratio Lower Upper
142 100
141 96.5 74.3 111.5
116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.181 min Scan# 1

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

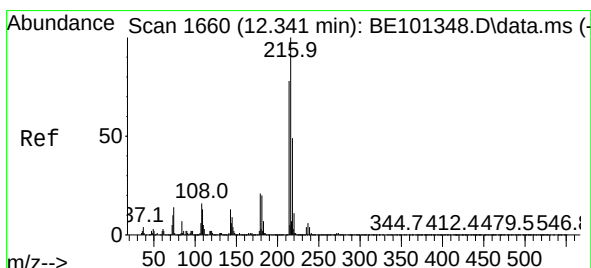
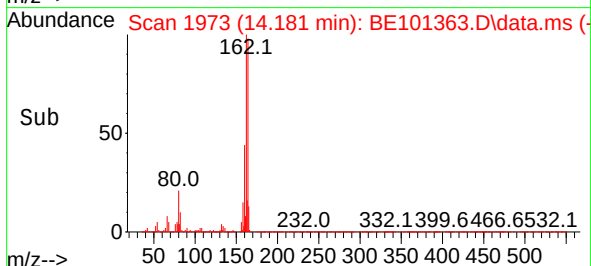
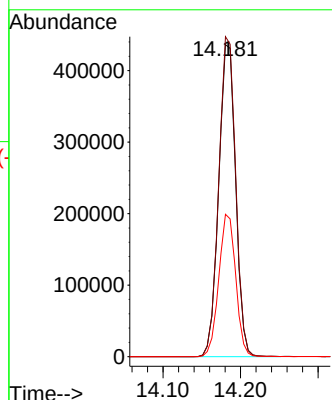
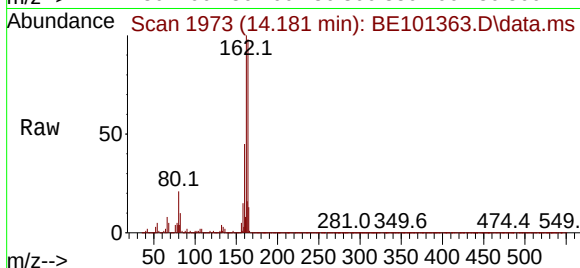
Tgt Ion:164 Resp: 662923

Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

160 45.7 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.893 ng

RT: 12.336 min Scan# 1659

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Tgt Ion:216 Resp: 62174

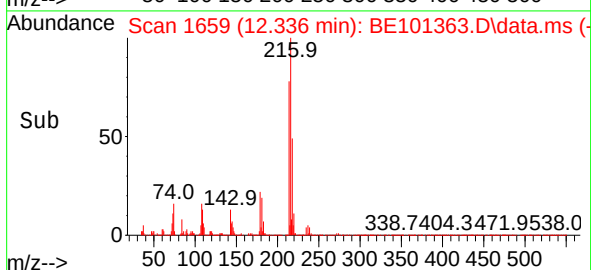
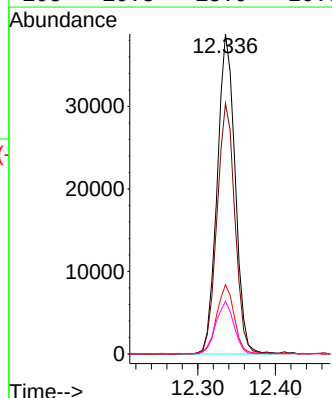
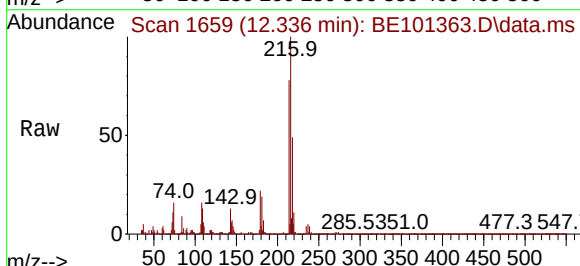
Ion Ratio Lower Upper

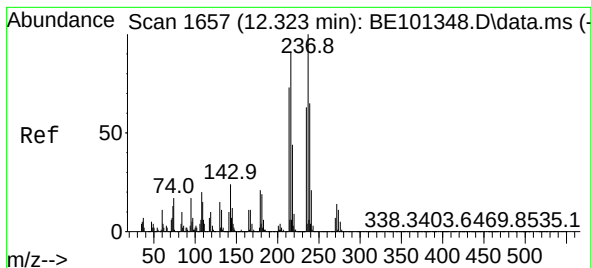
216 100

214 78.5 62.6 94.0

179 21.2 16.9 25.3

108 16.8 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 2.223 ng

RT: 12.318 min Scan# 1

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

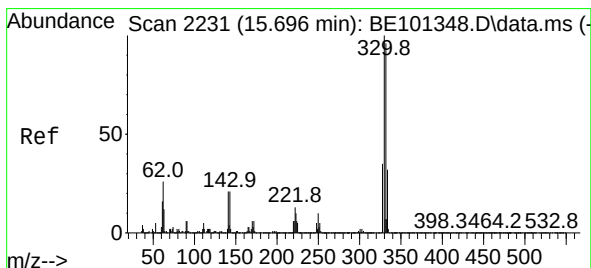
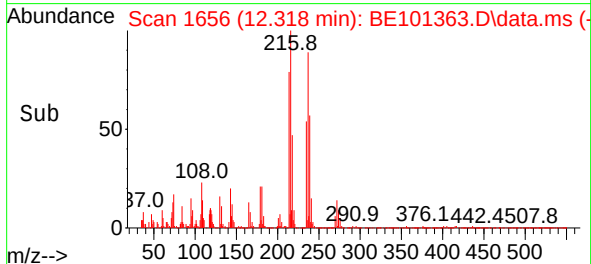
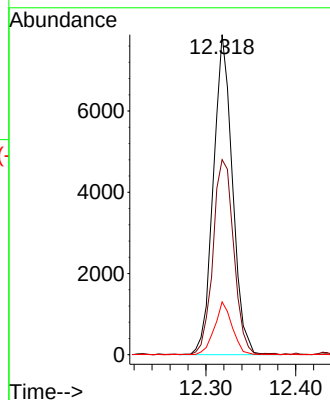
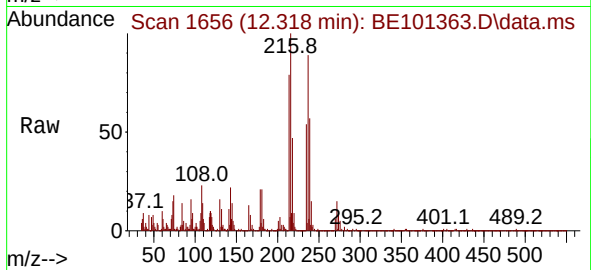
Tgt Ion:237 Resp: 11664

Ion Ratio Lower Upper

237 100

235 60.9 42.9 82.9

272 16.5 0.0 34.0



#42

2,4,6-Tribromophenol

Concen: 126.060 ng

RT: 15.691 min Scan# 2230

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

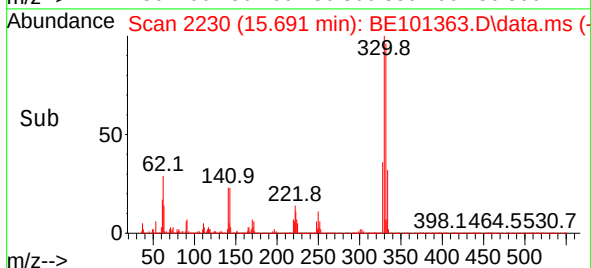
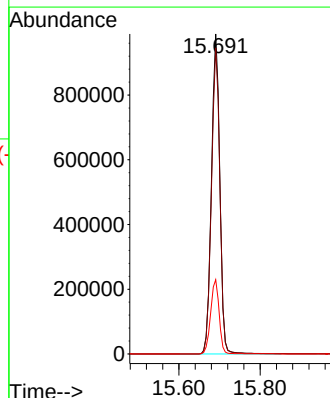
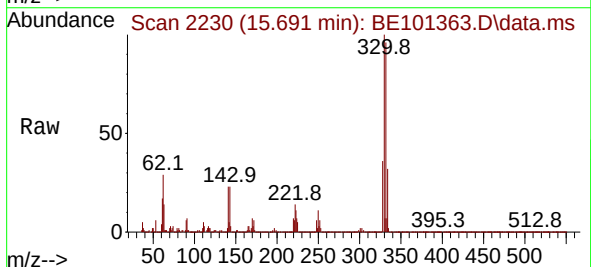
Tgt Ion:330 Resp: 1405584

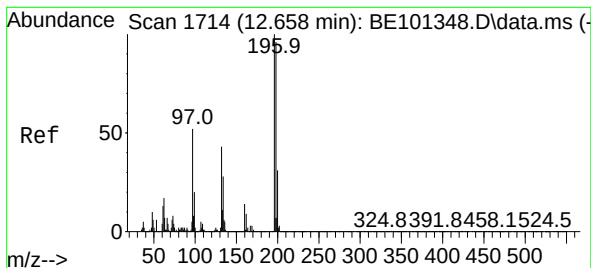
Ion Ratio Lower Upper

330 100

332 96.3 77.8 116.8

141 23.7 19.1 28.7





#43

2,4,6-Trichlorophenol

Concen: 3.461 ng

RT: 12.659 min Scan# 1714

Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

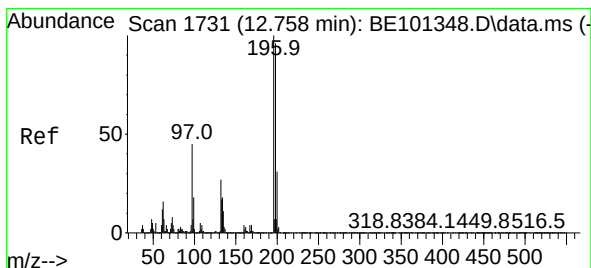
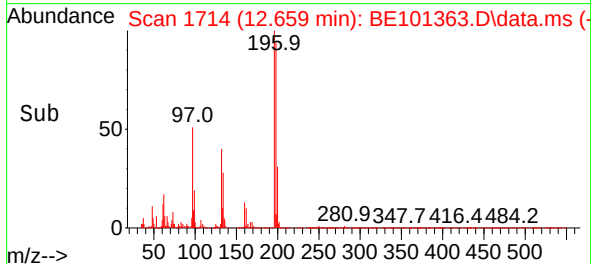
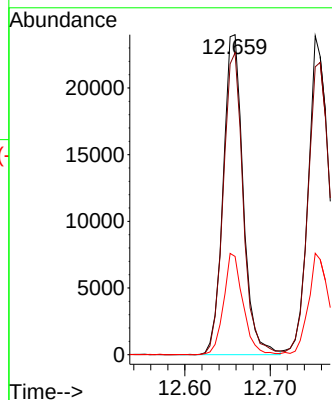
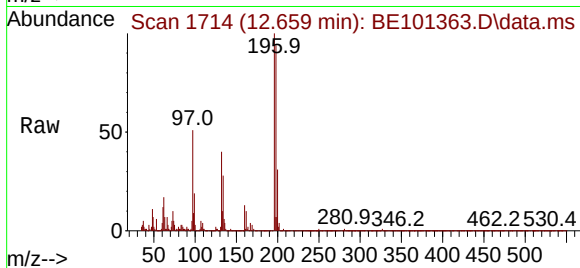
Tgt Ion:196 Resp: 39139

Ion Ratio Lower Upper

196 100

198 94.4 76.8 115.2

200 30.7 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 3.356 ng

RT: 12.753 min Scan# 1730

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Tgt Ion:196 Resp: 42830

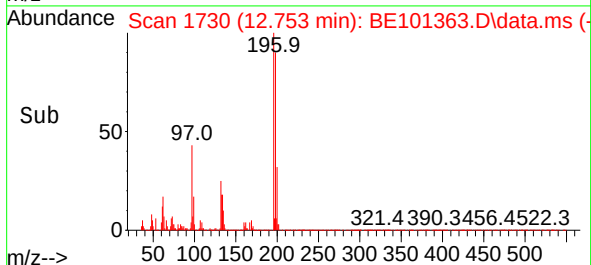
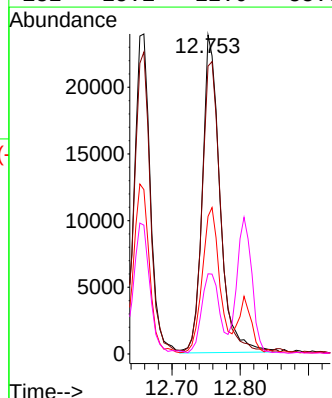
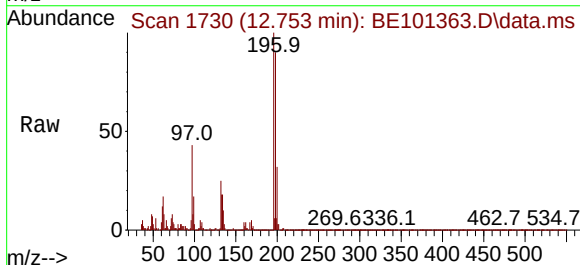
Ion Ratio Lower Upper

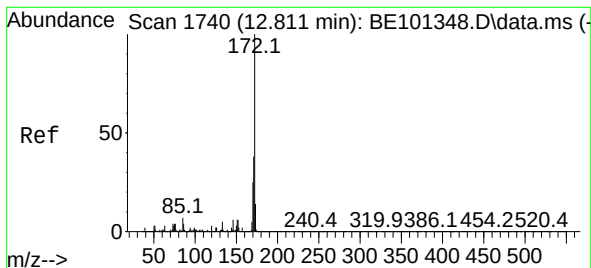
196 100

198 90.2 76.9 115.3

97 43.2 36.2 54.2

132 25.1 22.0 33.0





#45

2-Fluorobiphenyl

Concen: 82.100 ng

RT: 12.806 min Scan# 1739

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

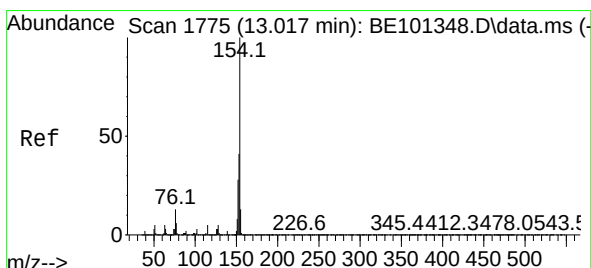
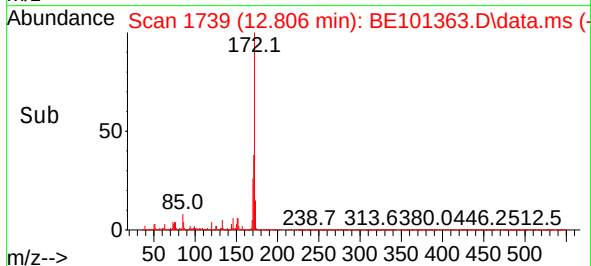
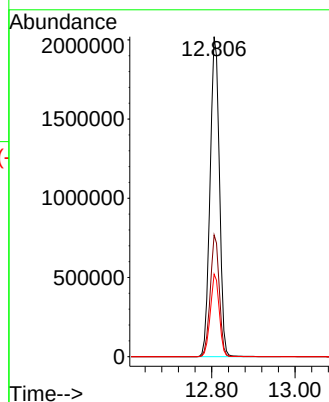
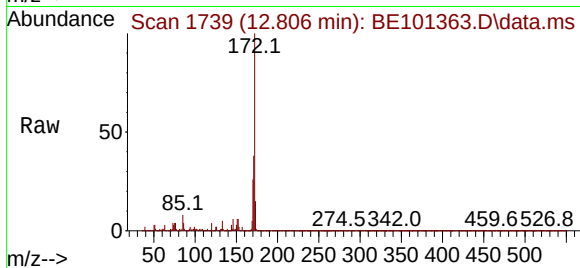
Tgt Ion:172 Resp: 3149516

Ion Ratio Lower Upper

172 100

171 38.0 30.2 45.2

170 25.8 20.2 30.4



#46

1,1'-Biphenyl

Concen: 4.201 ng

RT: 13.011 min Scan# 1774

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

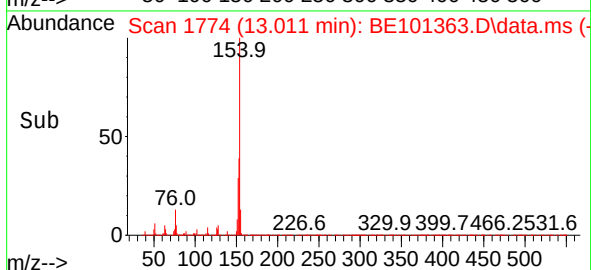
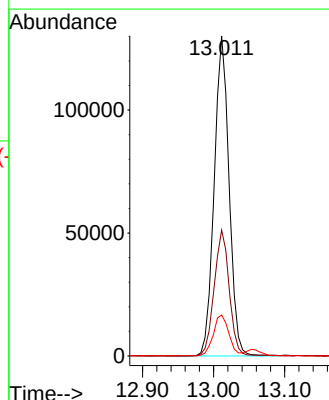
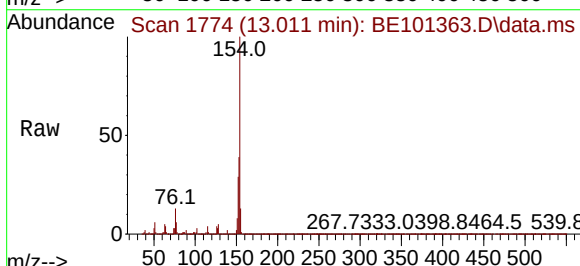
Tgt Ion:154 Resp: 188705

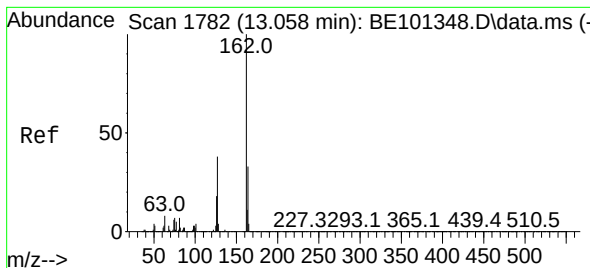
Ion Ratio Lower Upper

154 100

153 39.3 21.2 61.2

76 12.8 0.0 33.4





#47

2-Chloronaphthalene

Concen: 3.806 ng

RT: 13.058 min Scan# 1782

Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

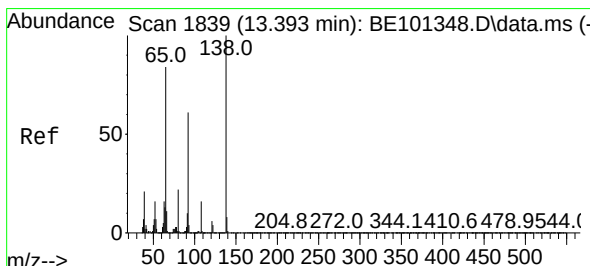
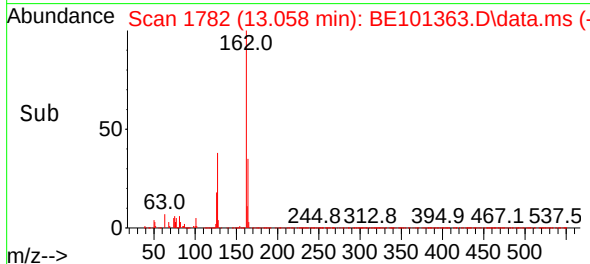
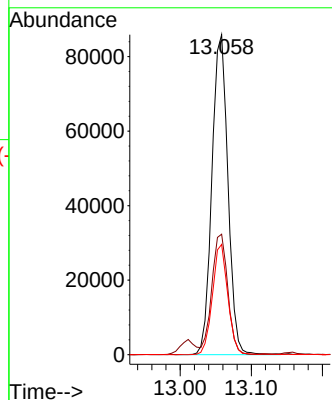
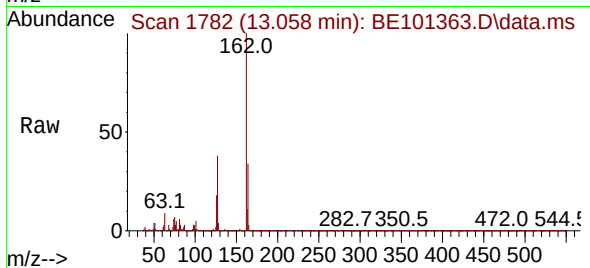
Tgt Ion:162 Resp: 134480

Ion Ratio Lower Upper

162 100

127 37.7 31.2 46.8

164 34.5 26.2 39.2



#48

2-Nitroaniline

Concen: 2.995 ng

RT: 13.387 min Scan# 1838

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

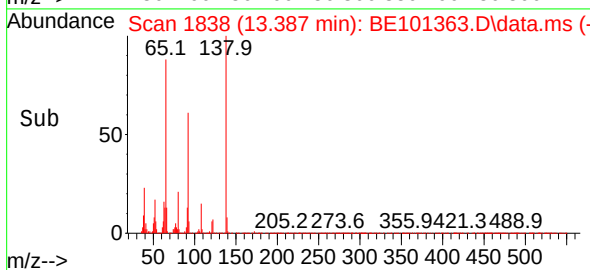
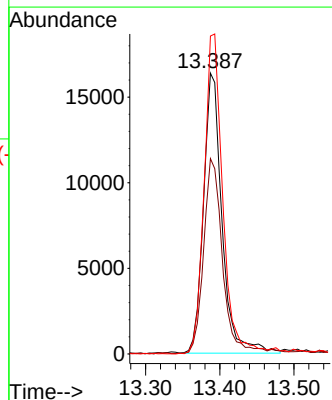
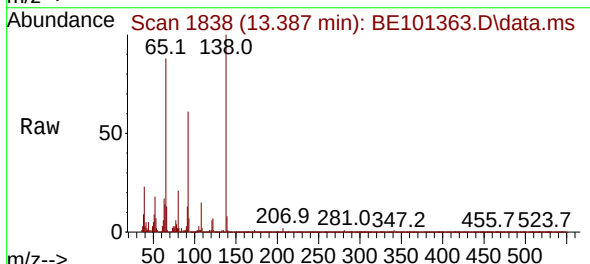
Tgt Ion: 65 Resp: 28479

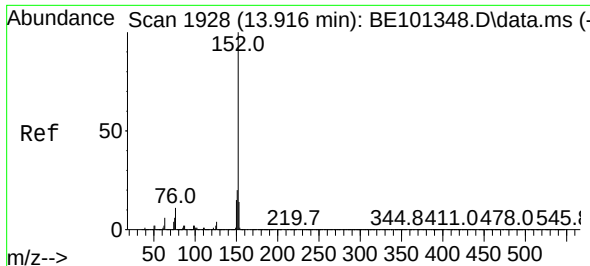
Ion Ratio Lower Upper

65 100

92 69.6 58.3 87.5

138 113.2 95.0 142.4

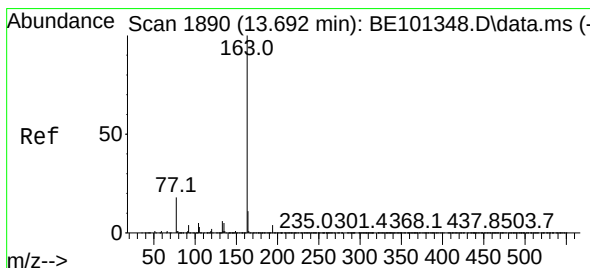
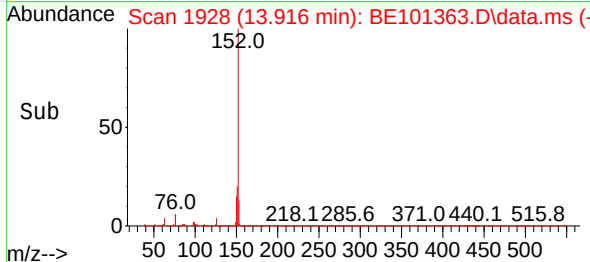
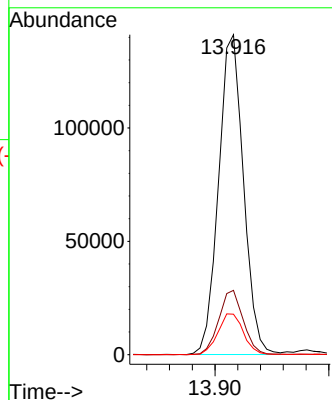
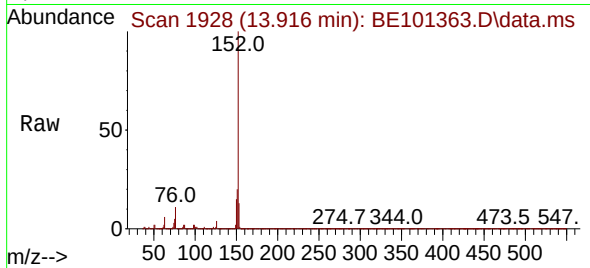




#49
Acenaphthylene
Concen: 4.066 ng
RT: 13.916 min Scan# 1928
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

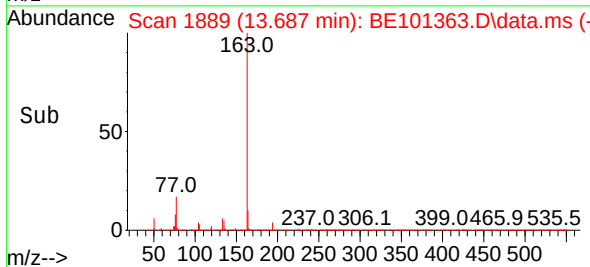
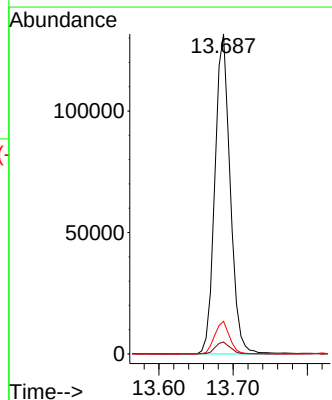
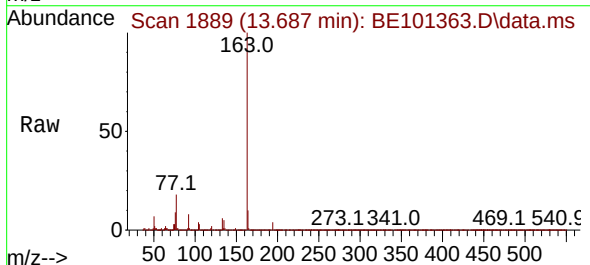
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

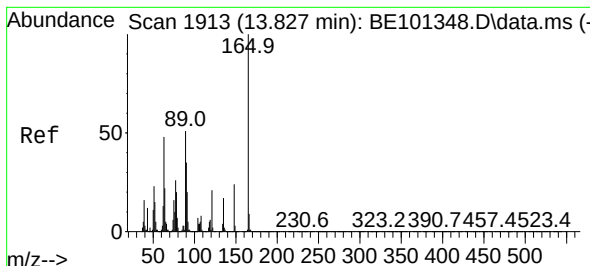
Tgt Ion:152 Resp: 214395
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6
153 12.7 11.1 16.7



#50
Dimethylphthalate
Concen: 3.940 ng
RT: 13.687 min Scan# 1889
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:163 Resp: 188486
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.2 8.5 12.7

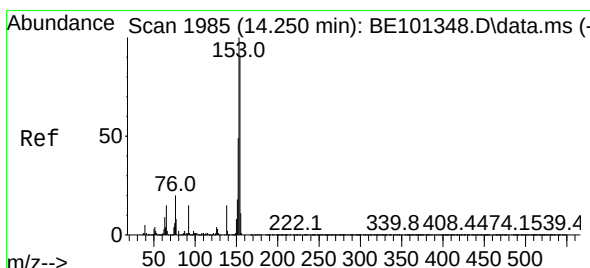
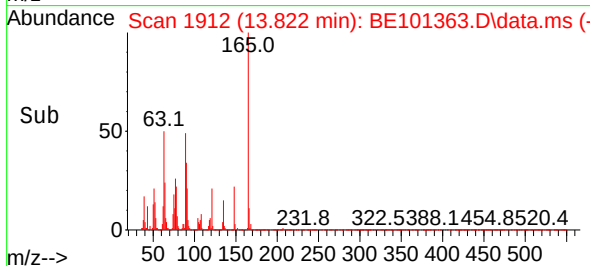
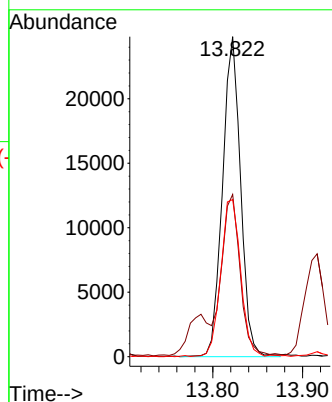
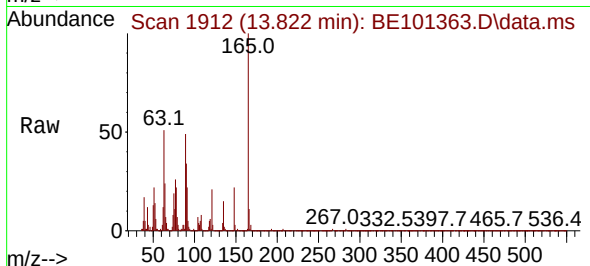




#51
2,6-Dinitrotoluene
Concen: 3.241 ng
RT: 13.822 min Scan# 1912
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

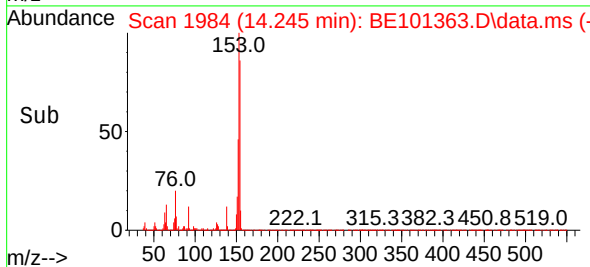
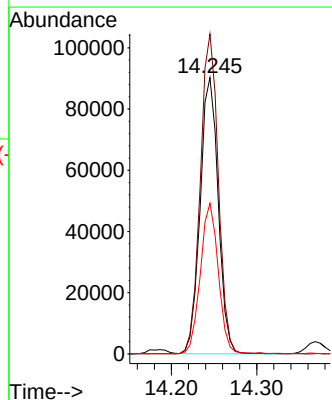
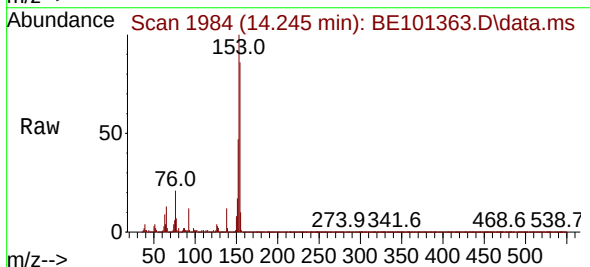
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

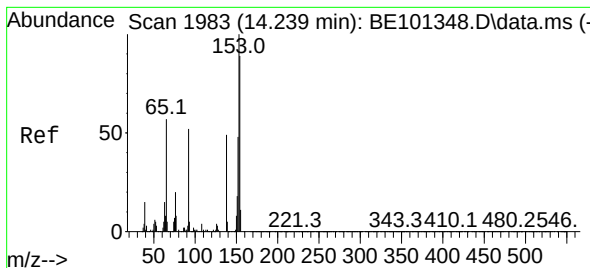
Tgt Ion:165 Resp: 34691
Ion Ratio Lower Upper
165 100
63 50.7 38.5 57.7
89 49.1 40.5 60.7



#52
Acenaphthene
Concen: 3.818 ng
RT: 14.245 min Scan# 1984
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:154 Resp: 132709
Ion Ratio Lower Upper
154 100
153 115.8 88.8 133.2
152 54.6 43.2 64.8





#53

3-Nitroaniline

Concen: 3.090 ng

RT: 14.233 min Scan# 1

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

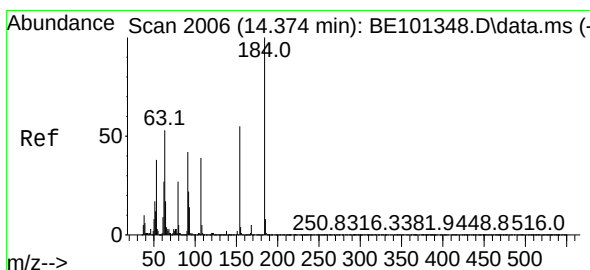
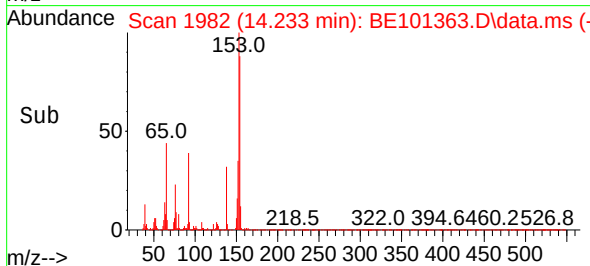
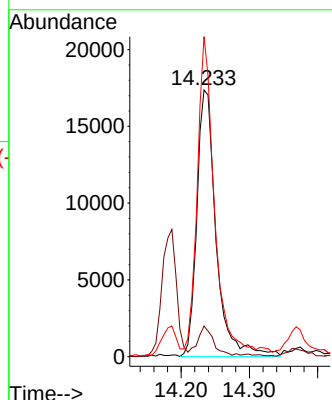
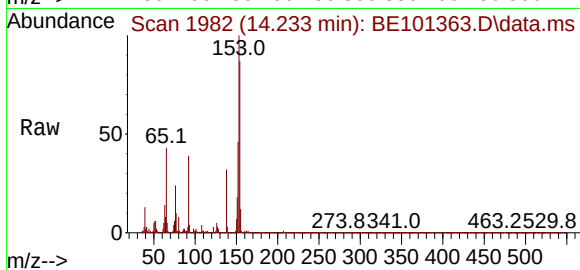
Tgt Ion:138 Resp: 34032

Ion Ratio Lower Upper

138 100

108 11.5 7.2 10.8#

92 120.0 85.7 128.5



#54

2,4-Dinitrophenol

Concen: 2.015 ng

RT: 14.369 min Scan# 2005

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

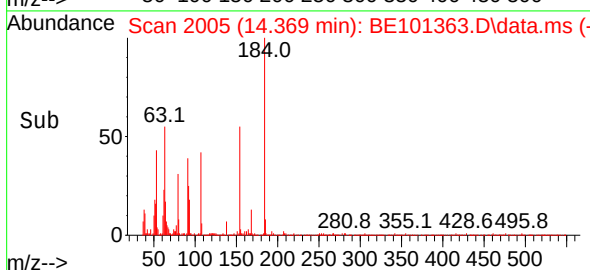
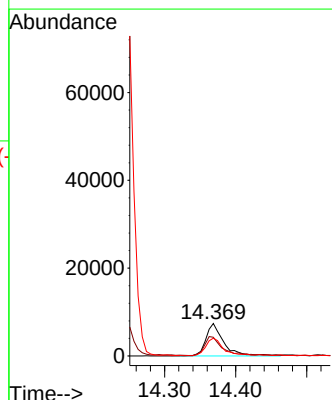
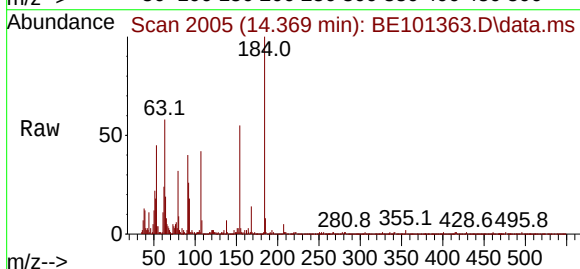
Tgt Ion:184 Resp: 12844

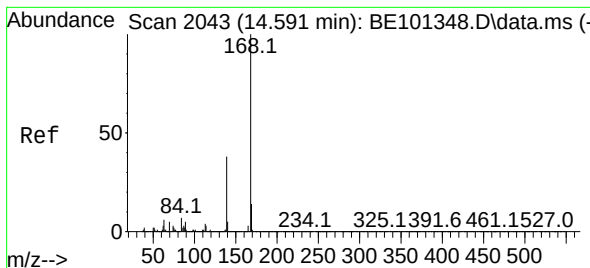
Ion Ratio Lower Upper

184 100

63 57.6 42.5 63.7

154 54.5 44.2 66.2





#55

Dibenzenofuran

Concen: 4.083 ng

RT: 14.586 min Scan# 2042

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

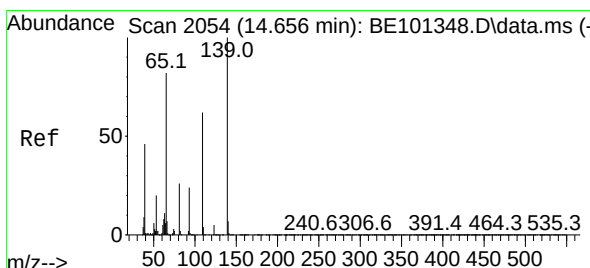
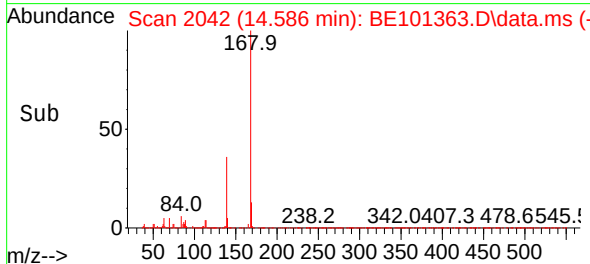
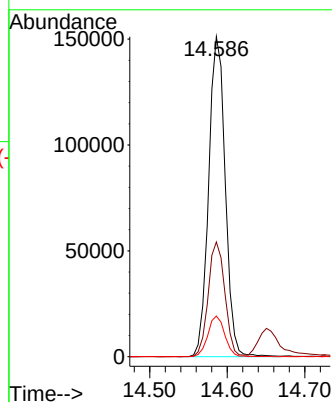
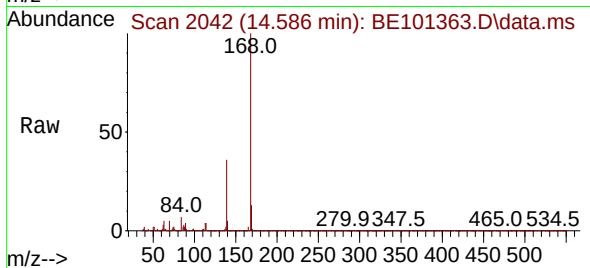
Tgt Ion:168 Resp: 224148

Ion Ratio Lower Upper

168 100

139 35.8 30.5 45.7

169 12.7 11.4 17.2



#56

4-Nitrophenol

Concen: 2.819 ng

RT: 14.651 min Scan# 2053

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

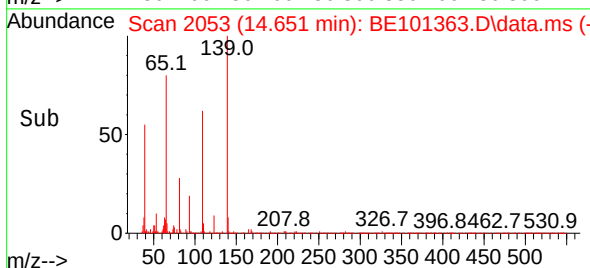
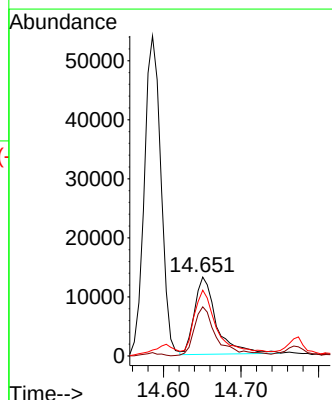
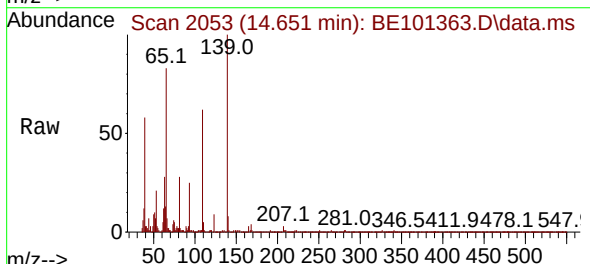
Tgt Ion:139 Resp: 25809

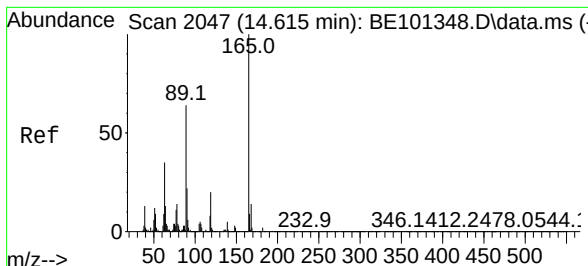
Ion Ratio Lower Upper

139 100

109 62.2 41.9 81.9

65 83.2 63.0 103.0

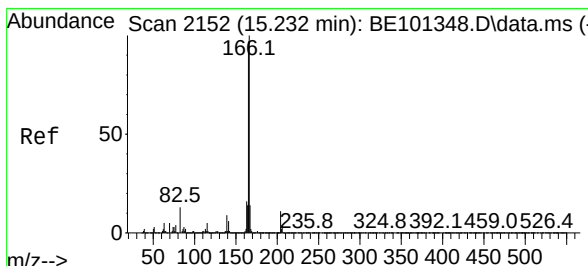
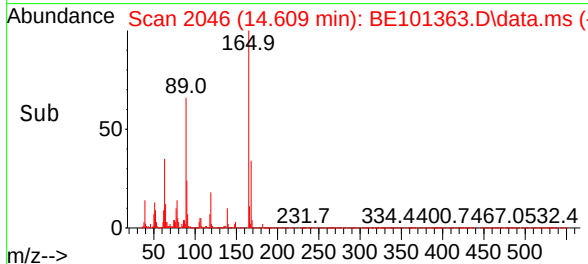
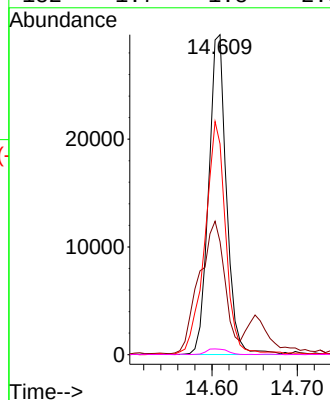
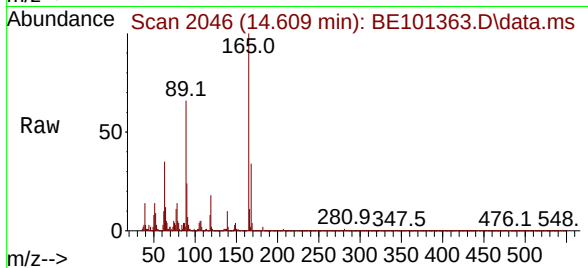




#57
2,4-Dinitrotoluene
Concen: 2.951 ng
RT: 14.609 min Scan# 2046
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

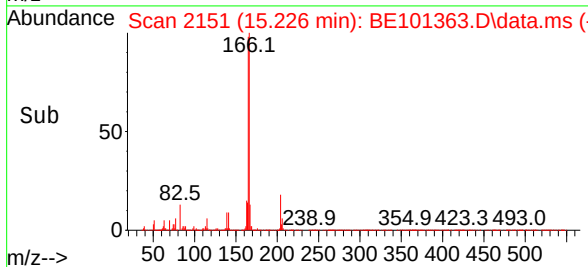
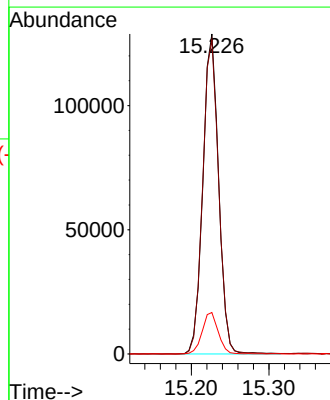
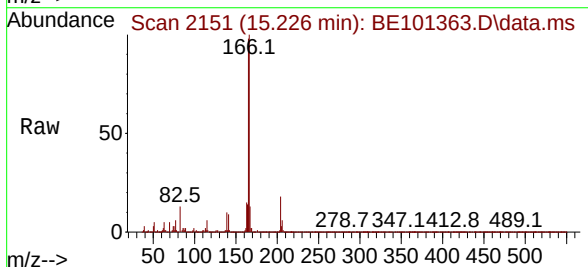
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

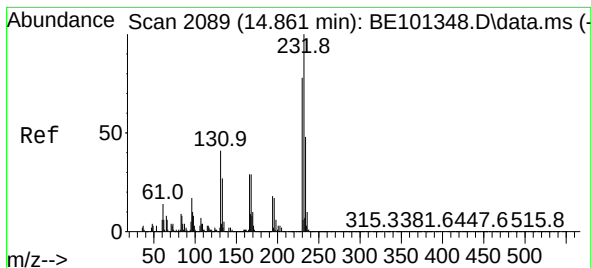
Tgt Ion:	165	Resp:	43003
Ion	Ratio	Lower	Upper
165	100		
63	35.3	28.4	42.6
89	65.8	51.0	76.4
182	1.7	1.8	2.8



#58
Fluorene
Concen: 3.914 ng
RT: 15.226 min Scan# 2151
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:	166	Resp:	181085
Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.8	116.8
167	13.0	11.0	16.6

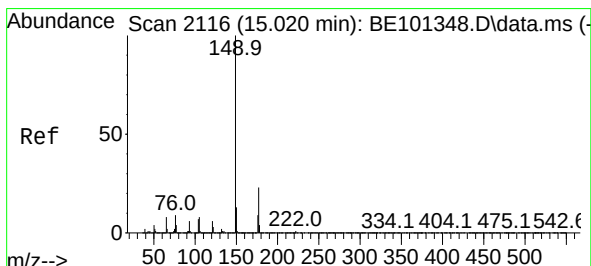
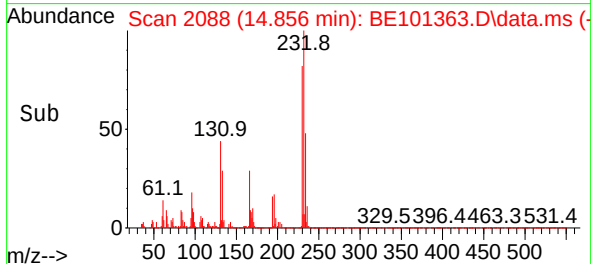
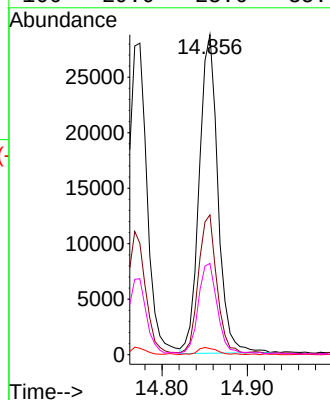
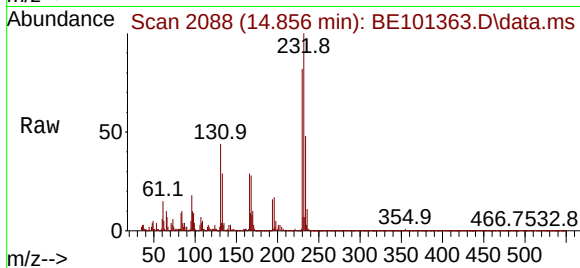




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.625 ng
RT: 14.856 min Scan# 2088
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

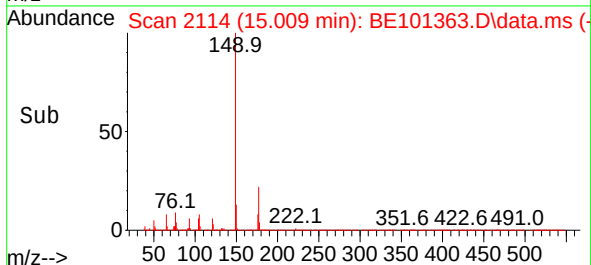
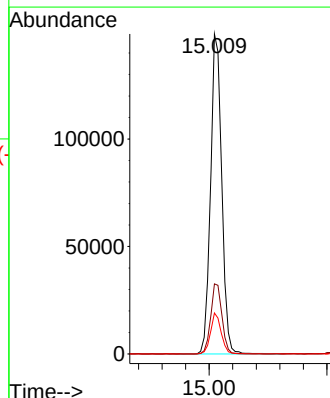
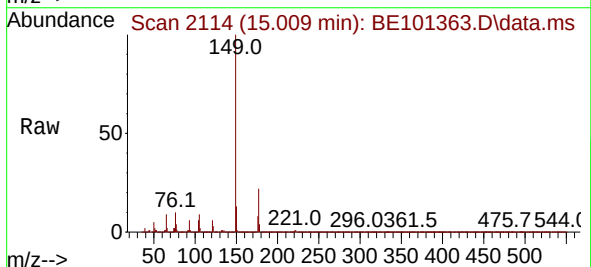
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

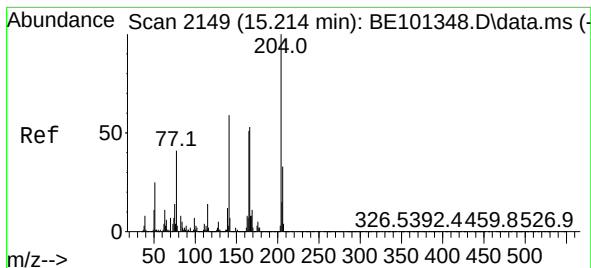
Tgt Ion:	232	Resp:	43747
Ion	Ratio	Lower	Upper
232	100		
131	42.2	34.2	51.4
130	2.4	1.8	2.6
166	29.0	23.6	35.4



#60
Diethylphthalate
Concen: 3.944 ng
RT: 15.009 min Scan# 2114
Delta R.T. -0.011 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:	149	Resp:	195735
Ion	Ratio	Lower	Upper
149	100		
177	21.9	18.4	27.6
150	12.8	10.0	15.0

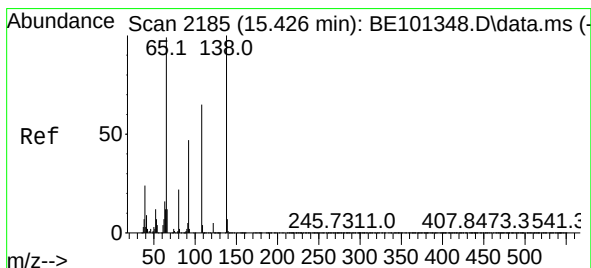
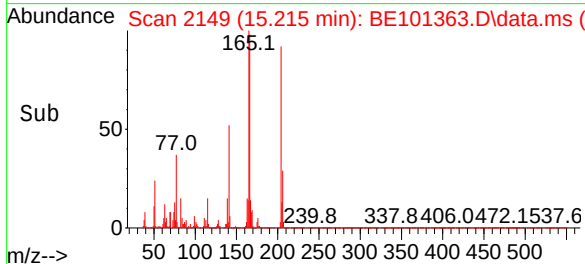
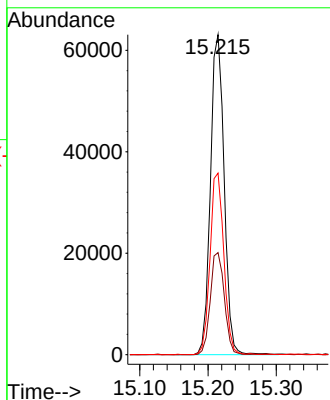
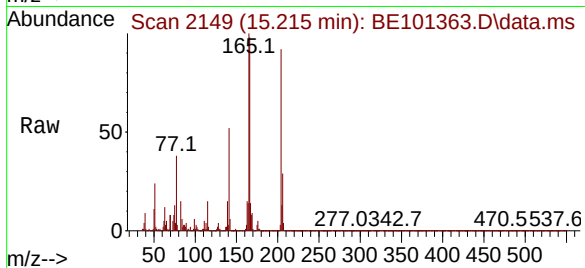




#61
4-Chlorophenyl-phenylether
Concen: 3.880 ng
RT: 15.215 min Scan# 2149
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

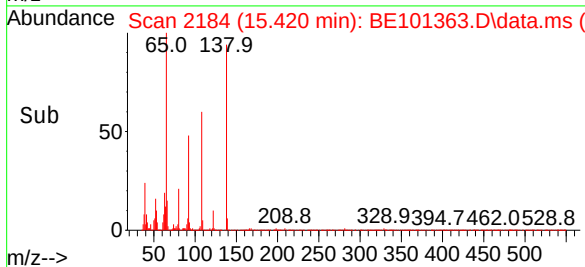
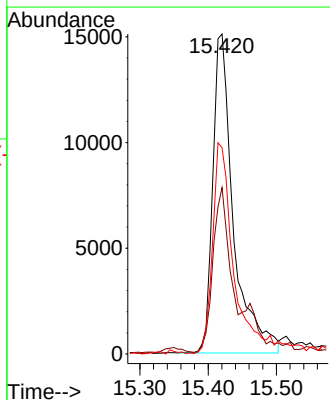
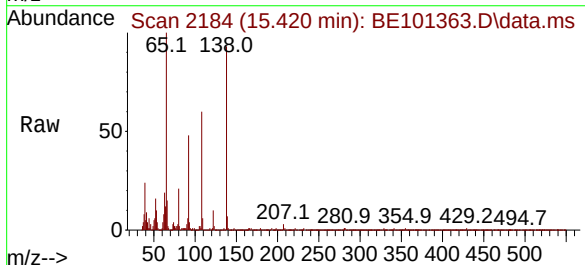
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

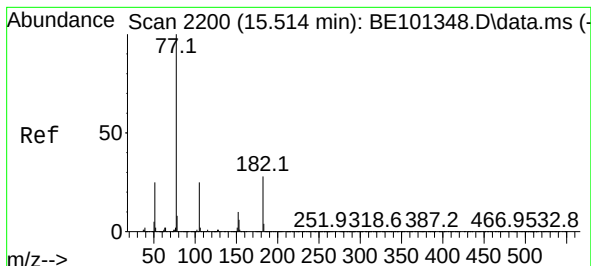
Tgt Ion:204 Resp: 88053
Ion Ratio Lower Upper
204 100
206 31.9 26.2 39.2
141 56.8 47.2 70.8



#62
4-Nitroaniline
Concen: 2.779 ng
RT: 15.420 min Scan# 2184
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:138 Resp: 31891
Ion Ratio Lower Upper
138 100
92 52.0 26.8 66.8
108 64.4 44.7 84.7





#63

Azobenzene

Concen: 3.912 ng

RT: 15.508 min Scan# 2199

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 77 Resp: 165920

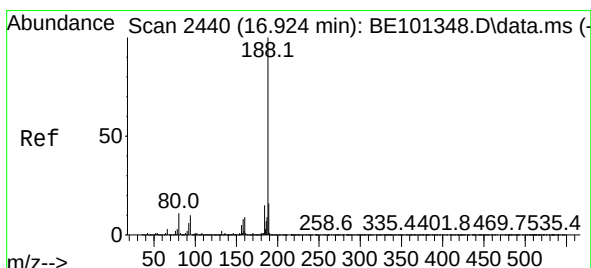
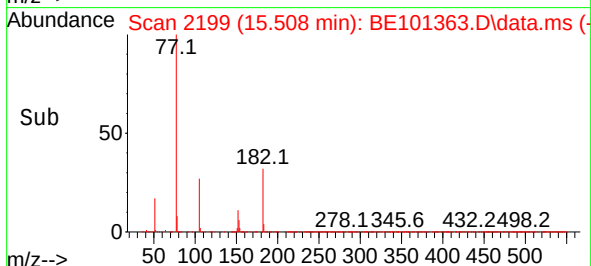
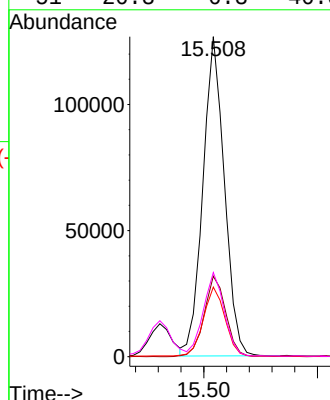
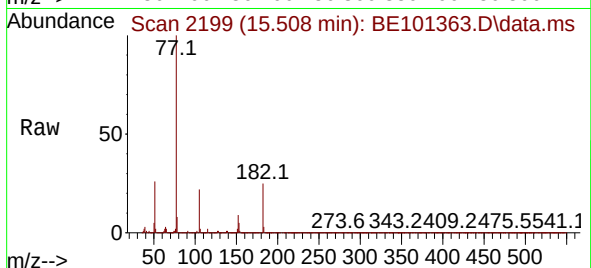
Ion Ratio Lower Upper

77 100

182 25.2 7.8 47.8

105 21.7 4.3 44.3

51 26.3 6.3 46.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.918 min Scan# 2439

Delta R.T. -0.006 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

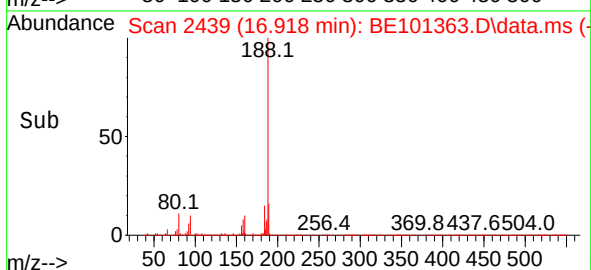
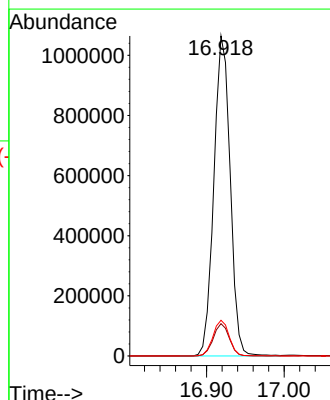
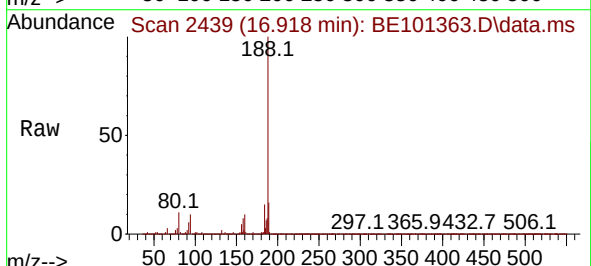
Tgt Ion: 188 Resp: 1554216

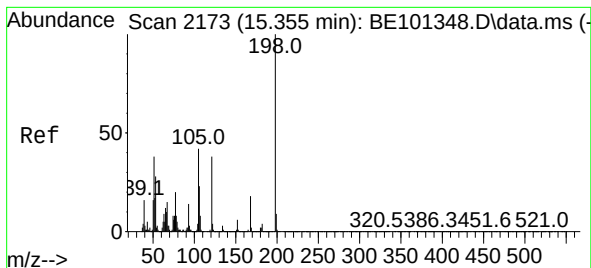
Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

80 11.2 8.6 13.0

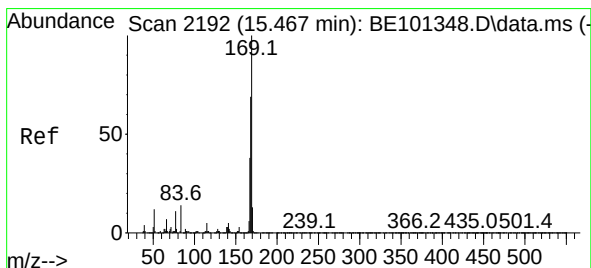
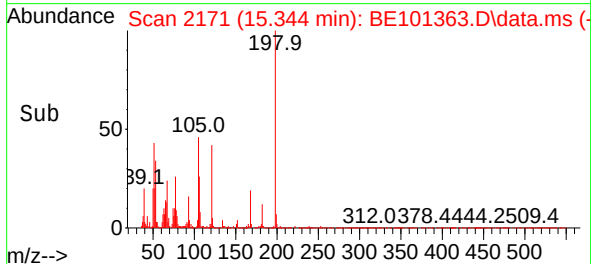
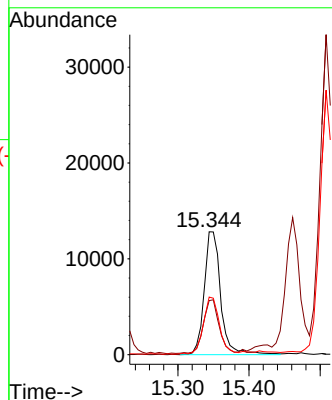
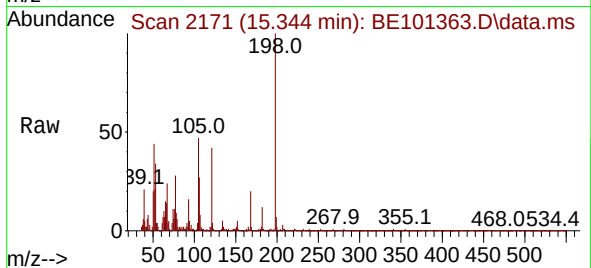




#65
4,6-Dinitro-2-methylphenol
Concen: 2.349 ng
RT: 15.344 min Scan# 2173
Delta R.T. -0.011 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

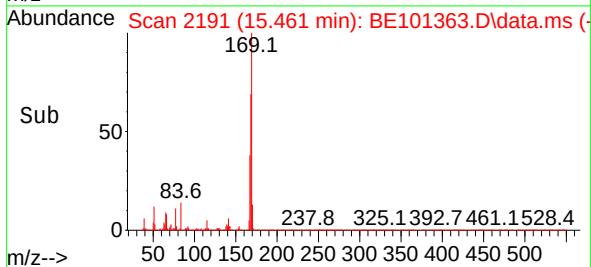
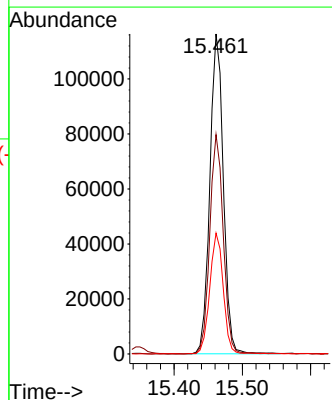
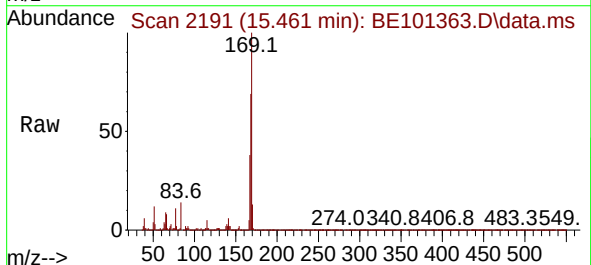
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

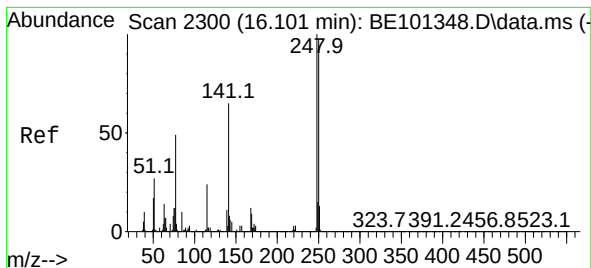
Tgt Ion:198 Resp: 20727
Ion Ratio Lower Upper
198 100
51 44.0 18.1 58.1
105 46.9 22.0 62.0



#66
n-Nitrosodiphenylamine
Concen: 3.858 ng
RT: 15.461 min Scan# 2191
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:169 Resp: 159815
Ion Ratio Lower Upper
169 100
168 68.5 55.1 82.7
167 37.8 30.5 45.7

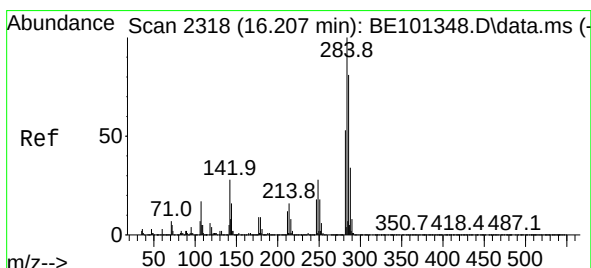
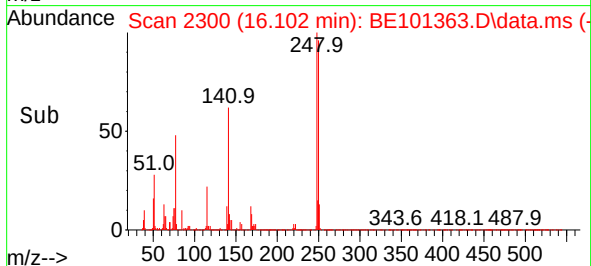
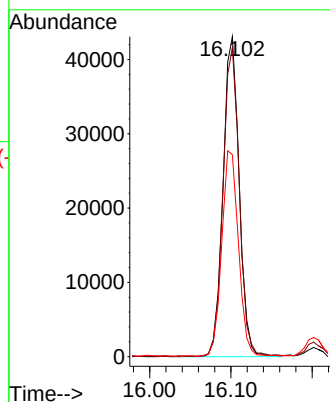
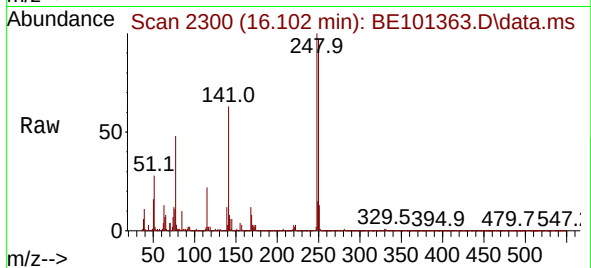




#67
4-Bromophenyl-phenylether
Concen: 3.688 ng
RT: 16.102 min Scan# 2300
Delta R.T. 0.001 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

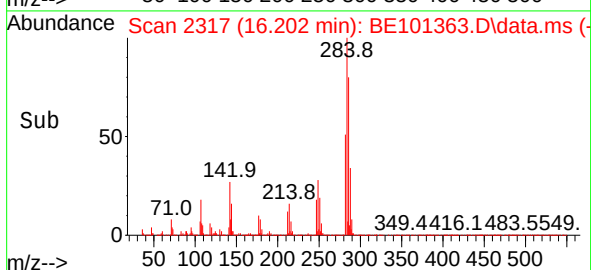
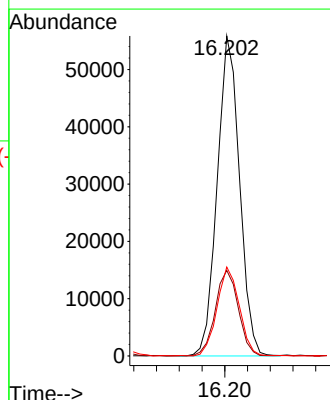
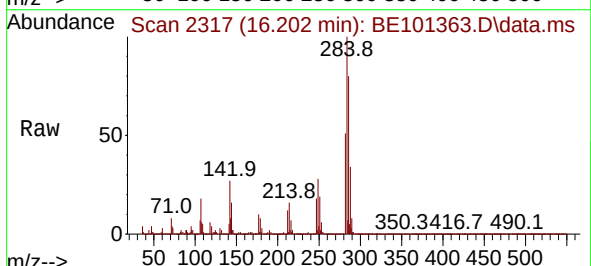
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

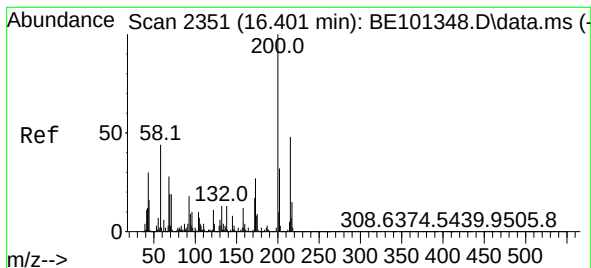
Tgt Ion:248 Resp: 59542
Ion Ratio Lower Upper
248 100
250 96.6 77.7 116.5
141 63.1 51.8 77.8



#68
Hexachlorobenzene
Concen: 3.649 ng
RT: 16.202 min Scan# 2317
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:284 Resp: 76154
Ion Ratio Lower Upper
284 100
142 26.8 22.1 33.1
249 27.8 22.7 34.1





#69

Atrazine

Concen: 4.393 ng

RT: 16.396 min Scan# 2350

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

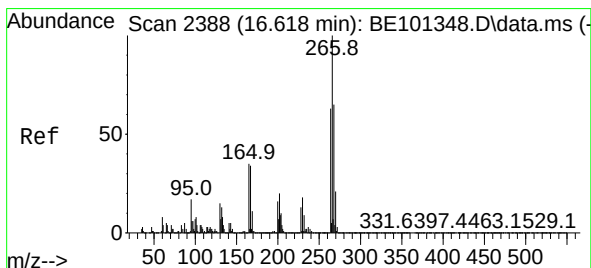
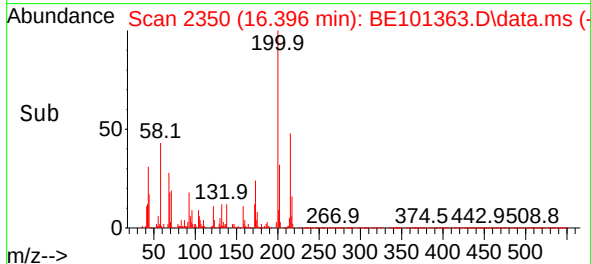
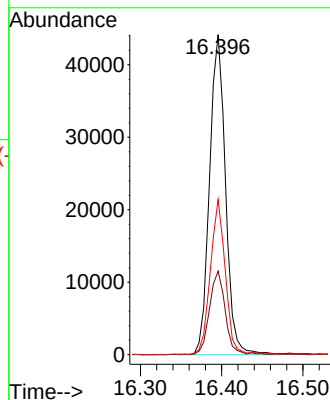
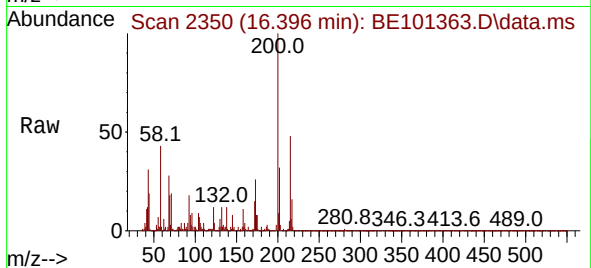
Tgt Ion:200 Resp: 60104

Ion Ratio Lower Upper

200 100

173 26.1 6.9 46.9

215 48.5 27.8 67.8



#70

Pentachlorophenol

Concen: 2.928 ng

RT: 16.613 min Scan# 2387

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

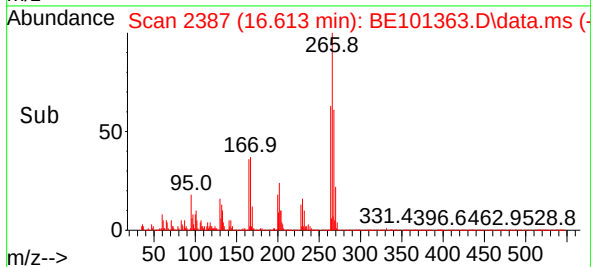
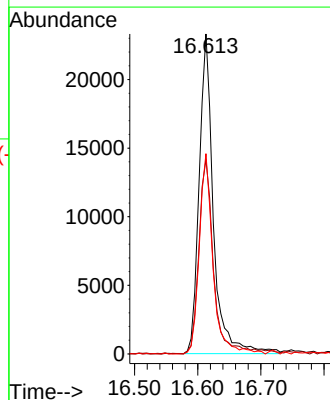
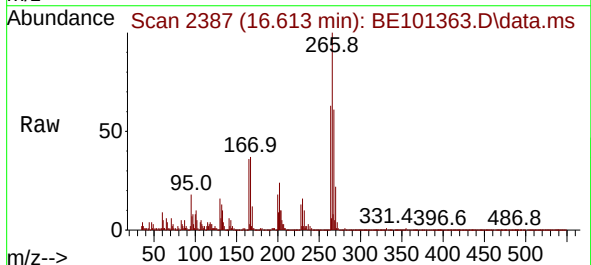
Tgt Ion:266 Resp: 36506

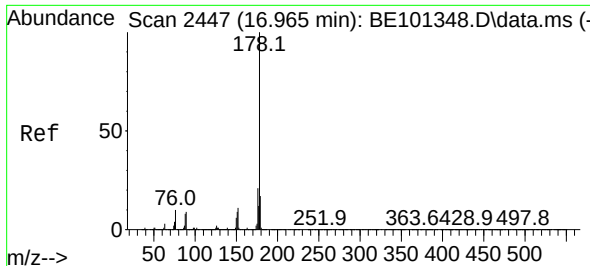
Ion Ratio Lower Upper

266 100

268 65.9 52.2 78.4

264 62.6 50.5 75.7

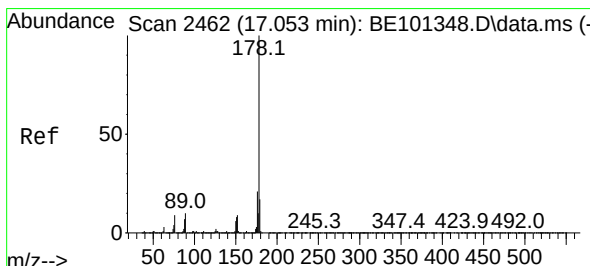
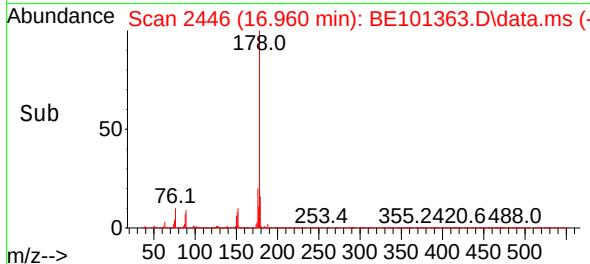
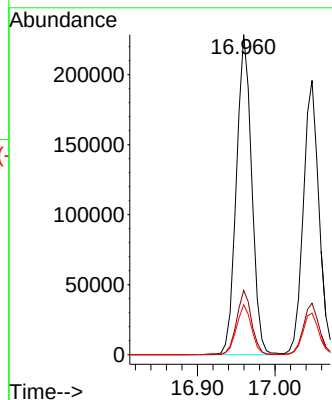
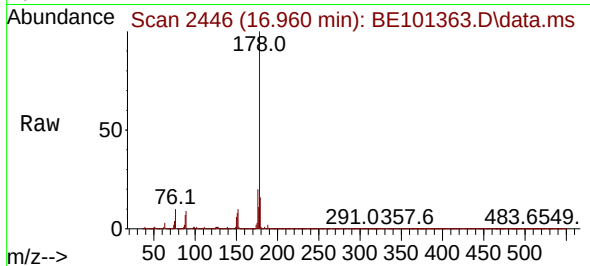




#71
Phenanthrene
Concen: 4.247 ng
RT: 16.960 min Scan# 2447
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

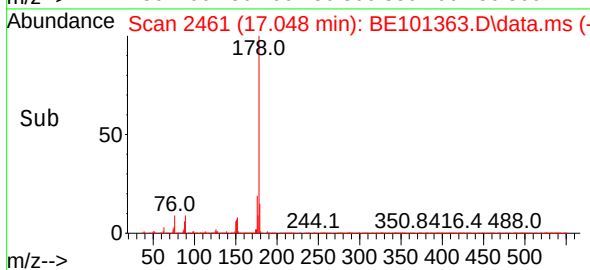
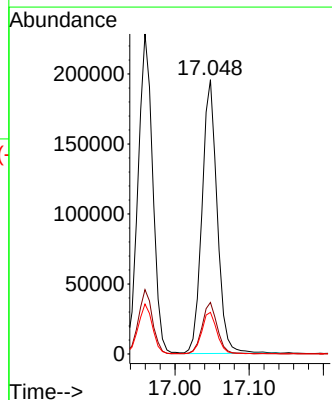
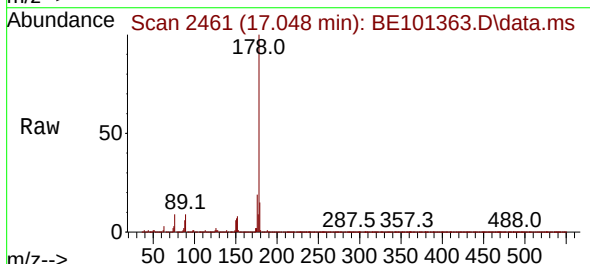
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

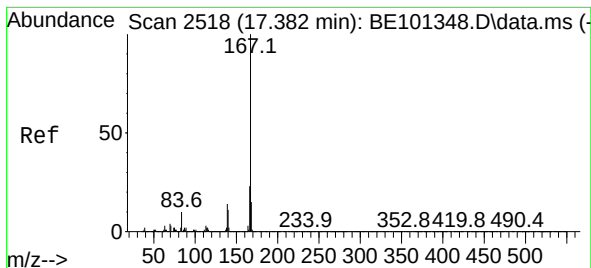
Tgt Ion:178 Resp: 313531
Ion Ratio Lower Upper
178 100
176 20.1 16.8 25.2
179 15.6 13.3 19.9



#72
Anthracene
Concen: 3.870 ng
RT: 17.048 min Scan# 2461
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:178 Resp: 277993
Ion Ratio Lower Upper
178 100
176 18.8 16.4 24.6
179 15.1 13.4 20.0





#73

Carbazole

Concen: 3.997 ng

RT: 17.377 min Scan# 2517

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

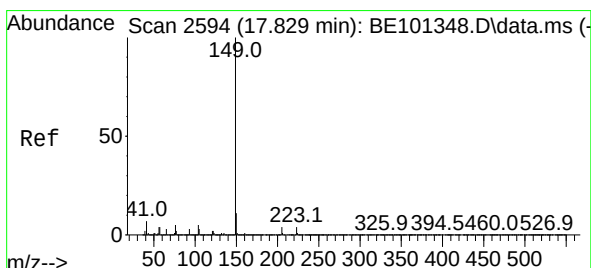
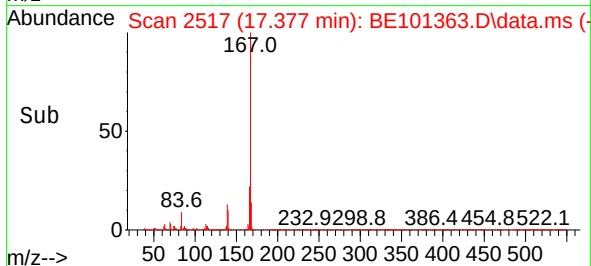
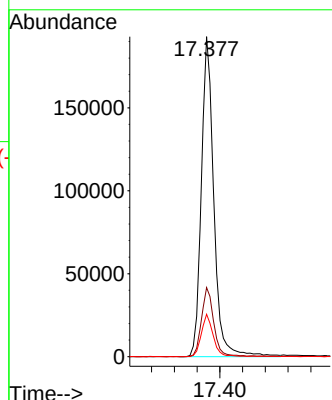
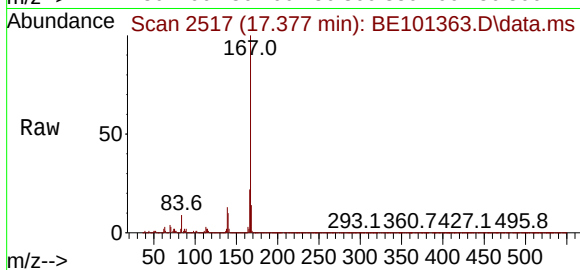
Tgt Ion:167 Resp: 294241

Ion Ratio Lower Upper

167 100

166 21.6 18.4 27.6

139 13.2 11.1 16.7



#74

Di-n-butylphthalate

Concen: 4.192 ng

RT: 17.829 min Scan# 2594

Delta R.T. 0.001 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

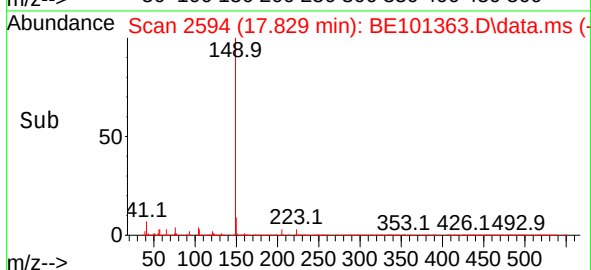
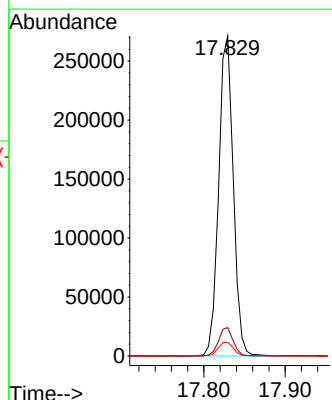
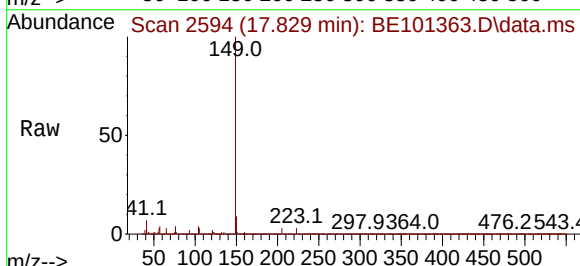
Tgt Ion:149 Resp: 338801

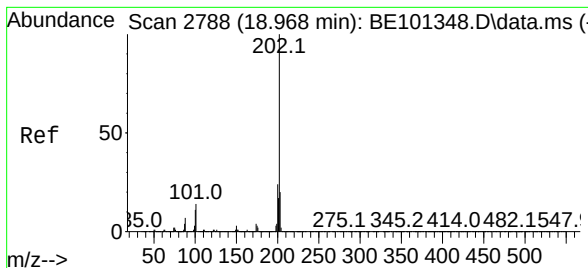
Ion Ratio Lower Upper

149 100

150 8.9 9.0 13.6#

104 4.3 4.4 6.6#

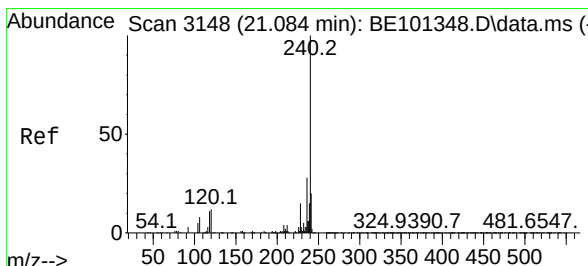
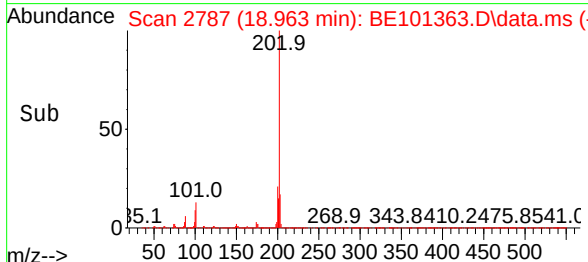
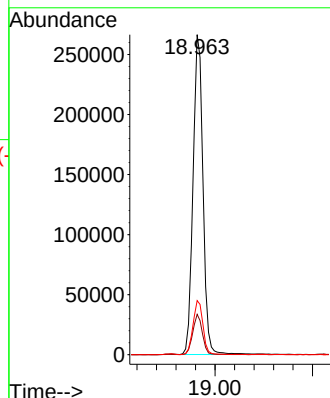
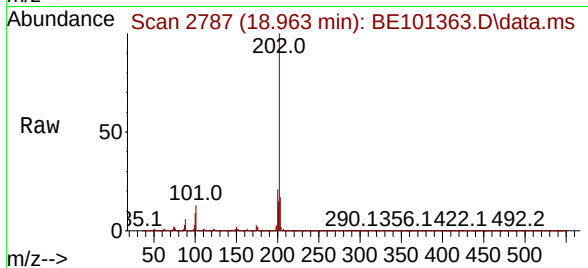




#75
Fluoranthene
Concen: 4.269 ng
RT: 18.963 min Scan# 21
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

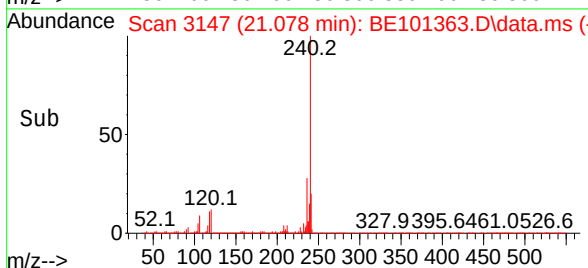
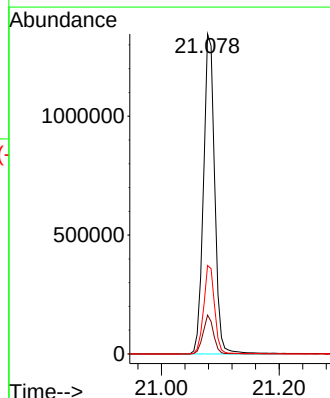
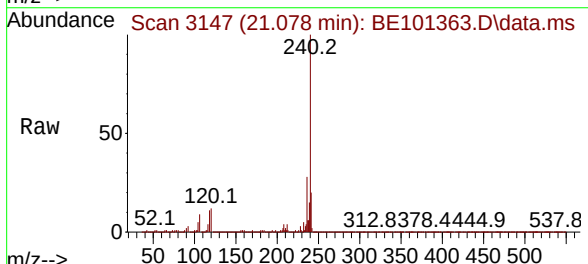
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

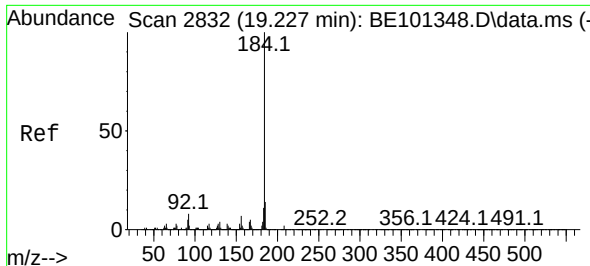
Tgt Ion:202 Resp: 379375
Ion Ratio Lower Upper
202 100
101 12.6 0.0 34.2
203 16.9 0.4 40.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.078 min Scan# 3147
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:240 Resp: 1790481
Ion Ratio Lower Upper
240 100
120 12.2 9.8 14.8
236 27.7 22.1 33.1

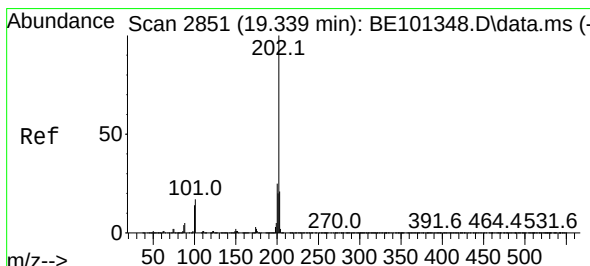
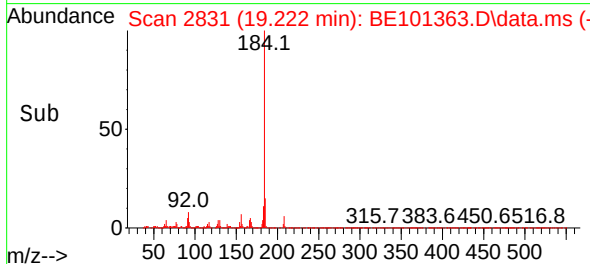
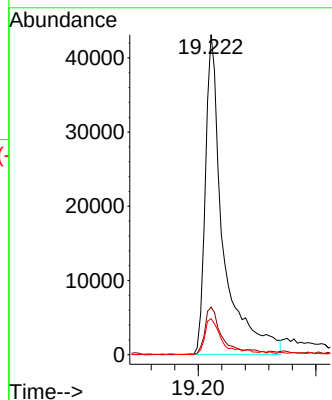
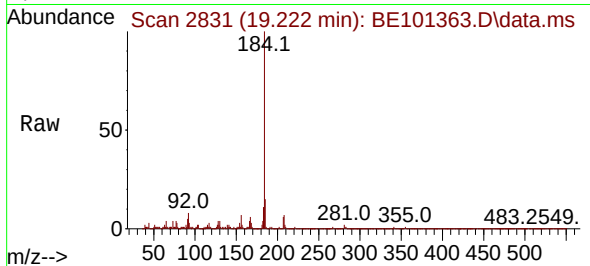




#77
Benzidine
Concen: 3.050 ng
RT: 19.222 min Scan# 2831
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

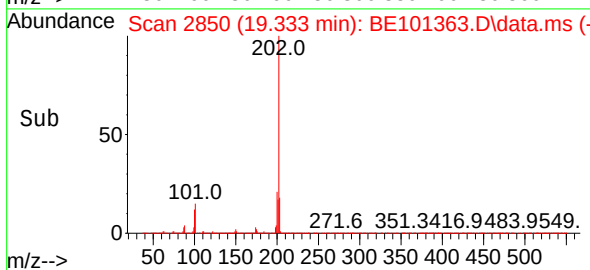
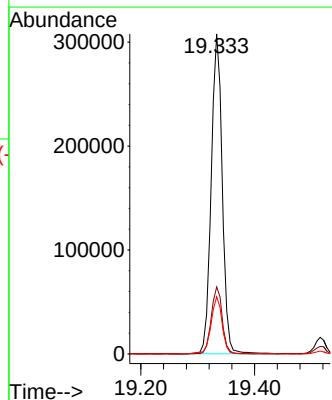
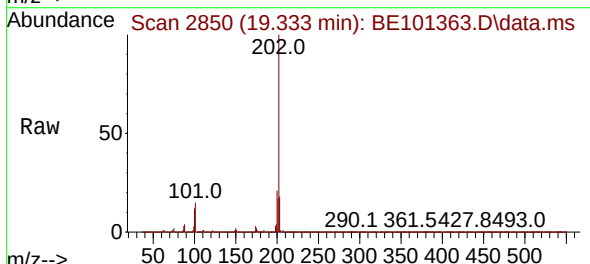
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

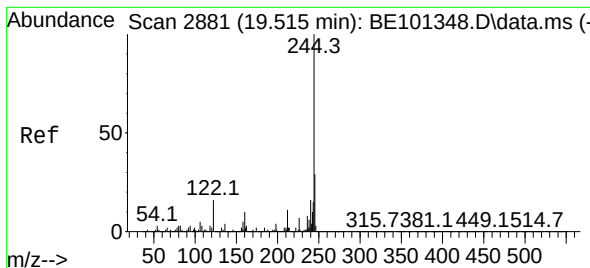
Tgt Ion:184 Resp: 90639
Ion Ratio Lower Upper
184 100
185 14.9 11.4 17.2
183 11.2 9.1 13.7



#78
Pyrene
Concen: 4.140 ng
RT: 19.333 min Scan# 2850
Delta R.T. -0.005 min
Lab File: BE101363.D
Acq: 18 Sep 2024 14:47

Tgt Ion:202 Resp: 412316
Ion Ratio Lower Upper
202 100
200 20.9 20.2 30.2
203 17.9 16.6 25.0





#79

Terphenyl-d14

Concen: 61.013 ng

RT: 19.515 min Scan# 2881

Delta R.T. 0.000 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

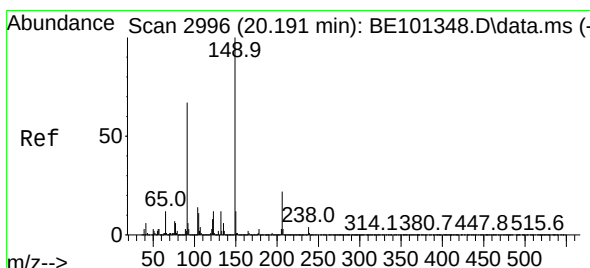
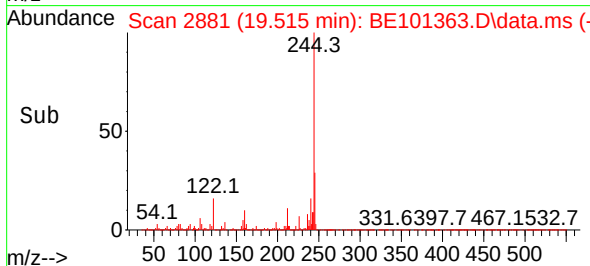
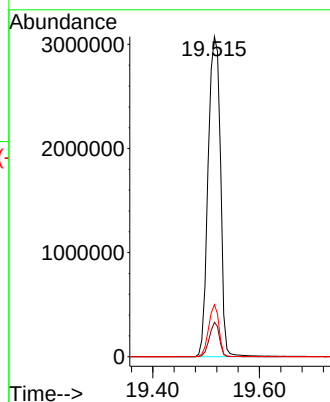
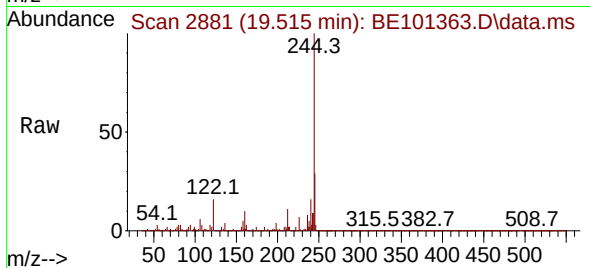
Tgt Ion:244 Resp: 4926747

Ion Ratio Lower Upper

244 100

212 10.8 8.5 12.7

122 16.2 13.1 19.7



#80

Butylbenzylphthalate

Concen: 3.890 ng

RT: 20.185 min Scan# 2995

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

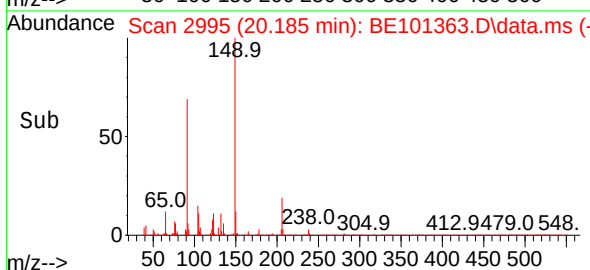
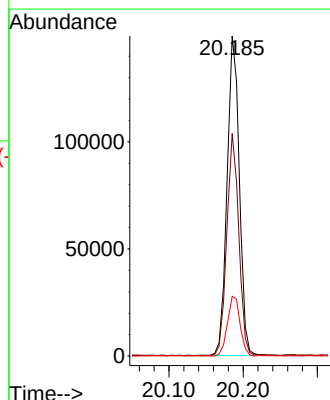
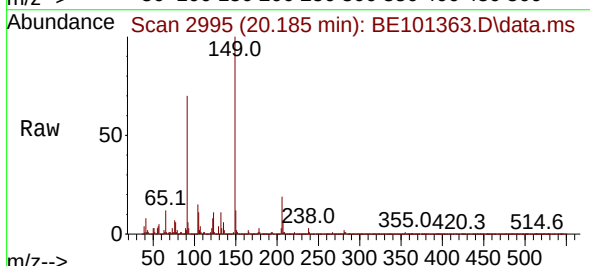
Tgt Ion:149 Resp: 171479

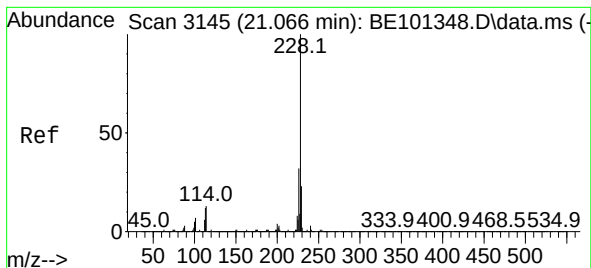
Ion Ratio Lower Upper

149 100

91 69.5 53.4 80.2

206 18.6 17.4 26.0





#81

Benzo(a)anthracene

Concen: 4.416 ng

RT: 21.061 min Scan# 3144

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

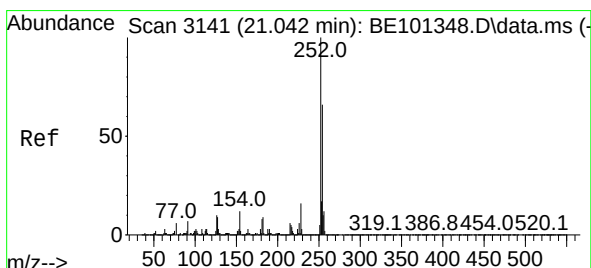
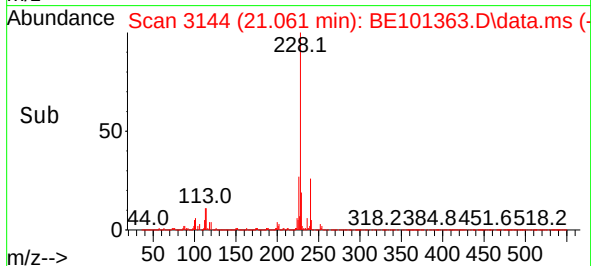
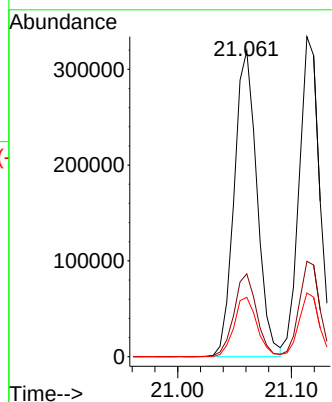
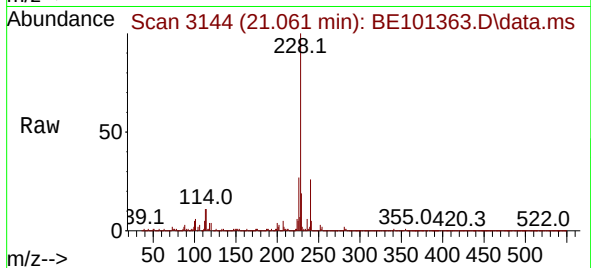
Tgt Ion:228 Resp: 444058

Ion Ratio Lower Upper

228 100

226 27.1 25.7 38.5

229 19.4 18.6 28.0



#82

3,3'-Dichlorobenzidine

Concen: 3.764 ng

RT: 21.037 min Scan# 3140

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

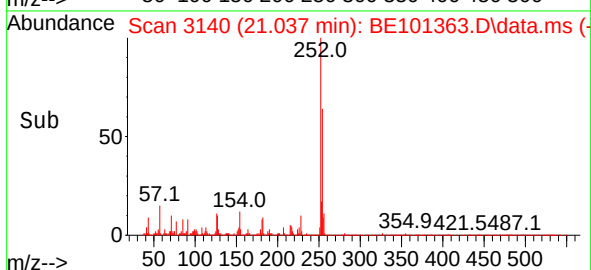
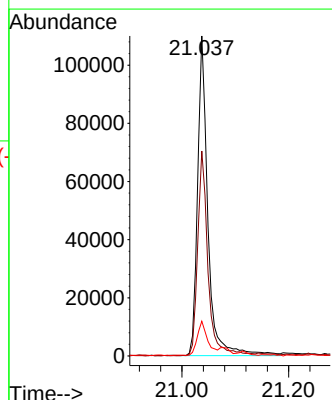
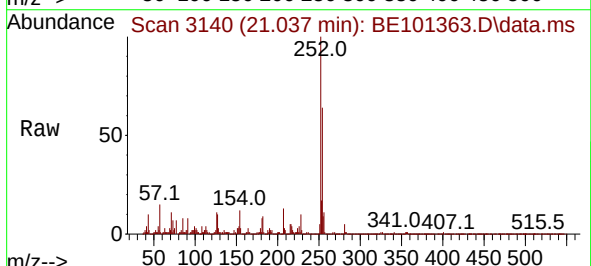
Tgt Ion:252 Resp: 148282

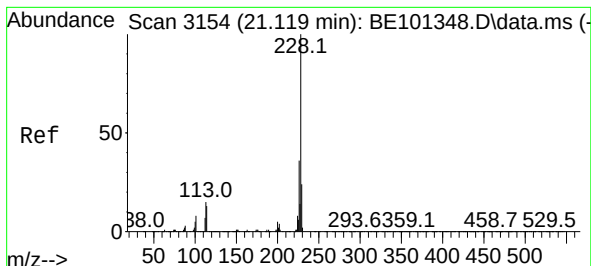
Ion Ratio Lower Upper

252 100

254 64.0 52.5 78.7

126 10.9 8.0 12.0





#83

Chrysene

Concen: 4.401 ng

RT: 21.114 min Scan# 3153

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

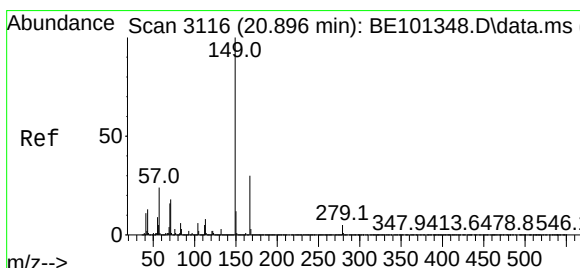
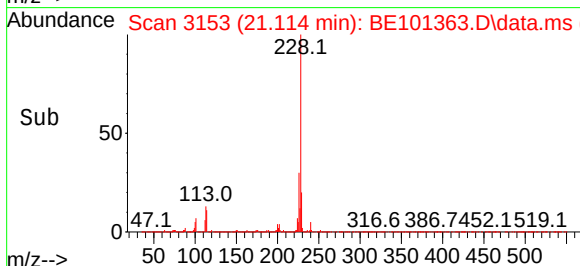
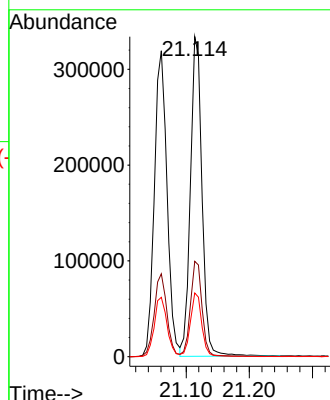
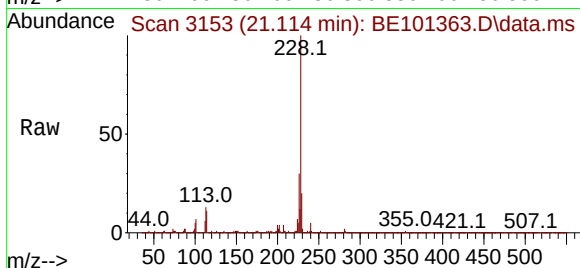
Tgt Ion:228 Resp: 425128

Ion Ratio Lower Upper

228 100

226 29.8 28.4 42.6

229 19.9 19.0 28.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.985 ng

RT: 20.890 min Scan# 3115

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

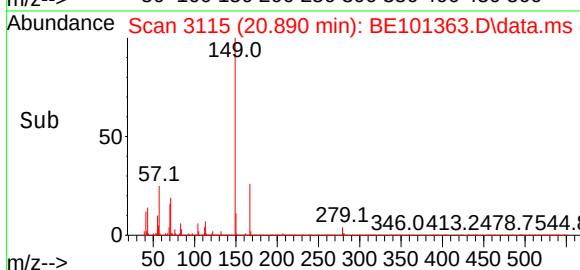
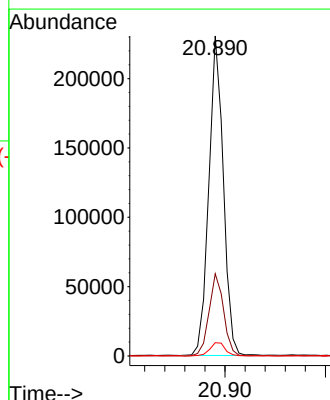
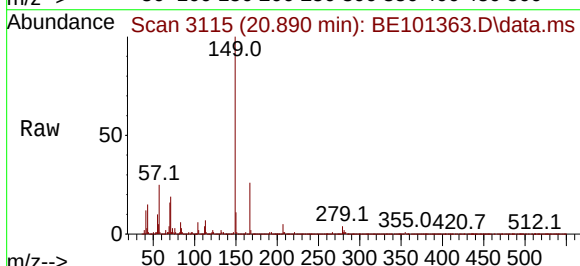
Tgt Ion:149 Resp: 232336

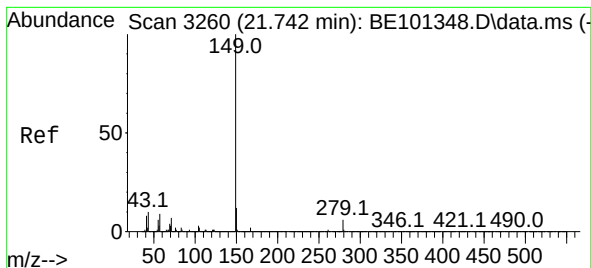
Ion Ratio Lower Upper

149 100

167 25.7 23.9 35.9

279 4.1 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 4.362 ng

RT: 21.736 min Scan# 31

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

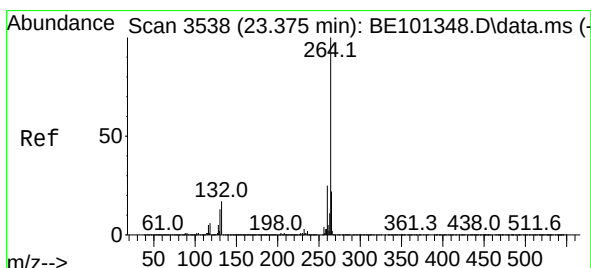
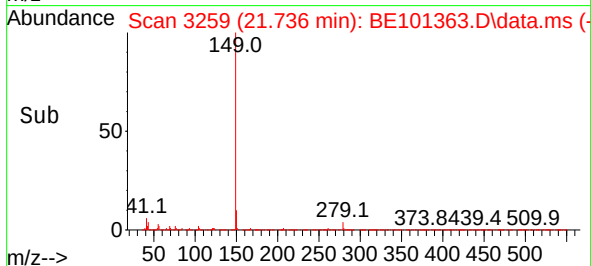
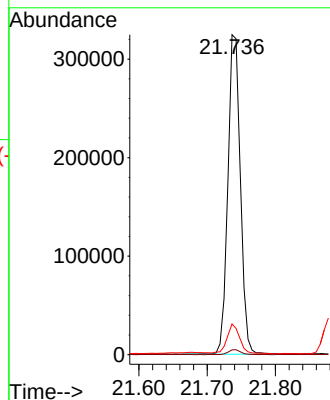
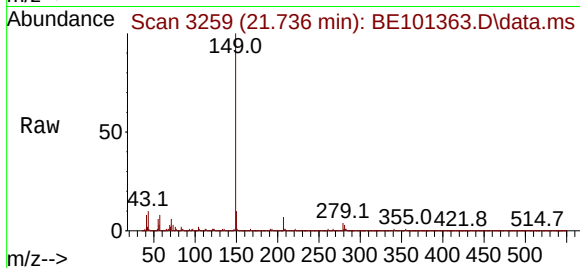
Tgt Ion:149 Resp: 415114

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.2

43 9.6 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: BE101363.D

Acq: 18 Sep 2024 14:47

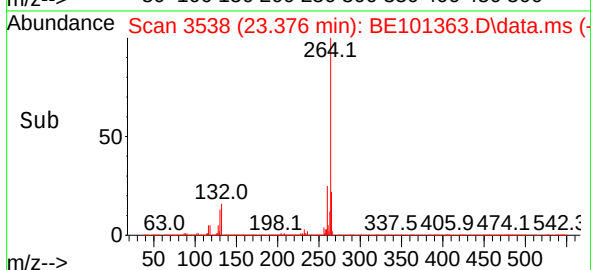
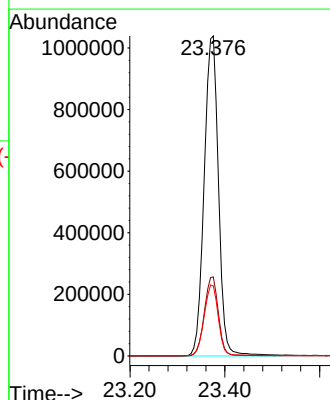
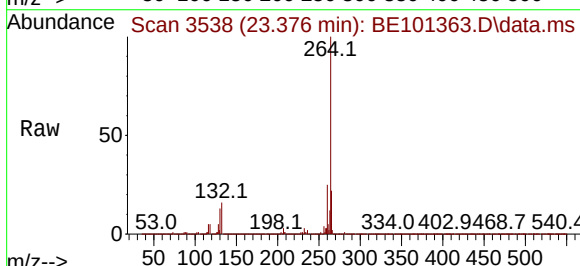
Tgt Ion:264 Resp: 2179414

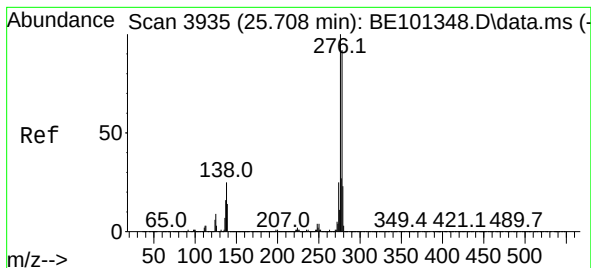
Ion Ratio Lower Upper

264 100

260 24.7 19.8 29.6

265 21.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.033 ng

RT: 25.679 min Scan# 3935

Delta R.T. -0.029 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

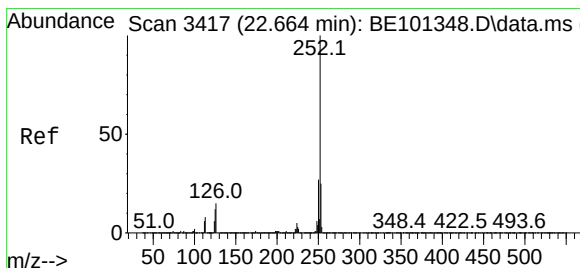
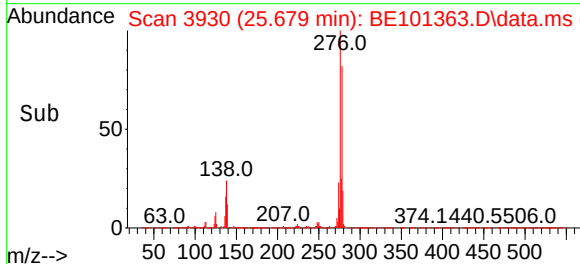
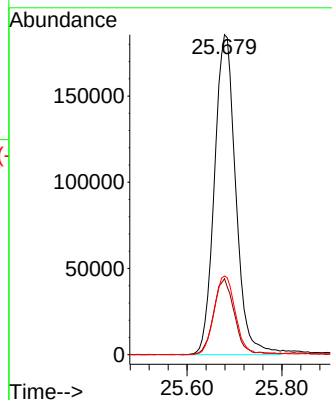
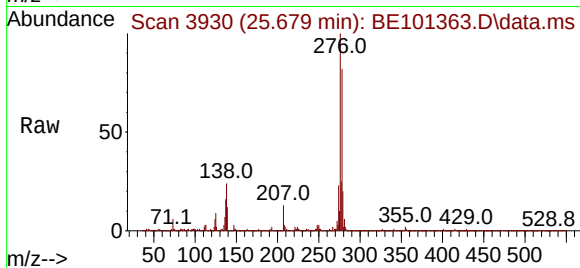
Tgt Ion:276 Resp: 579140

Ion Ratio Lower Upper

276 100

138 22.7 19.2 28.8

277 24.7 20.8 31.2



#88

Benzo(b)fluoranthene

Concen: 4.003 ng

RT: 22.659 min Scan# 3416

Delta R.T. -0.005 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

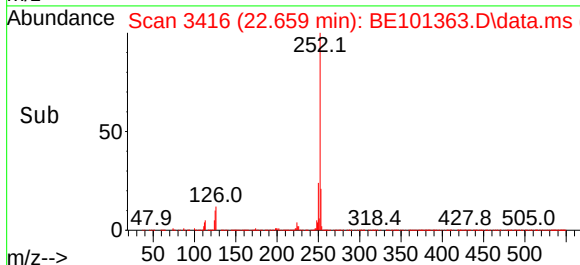
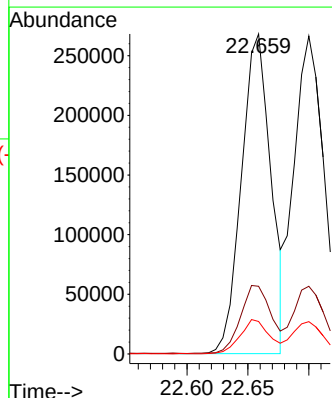
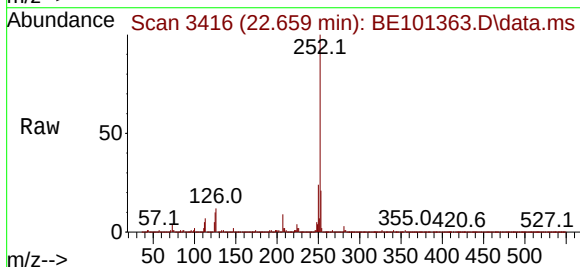
Tgt Ion:252 Resp: 451819

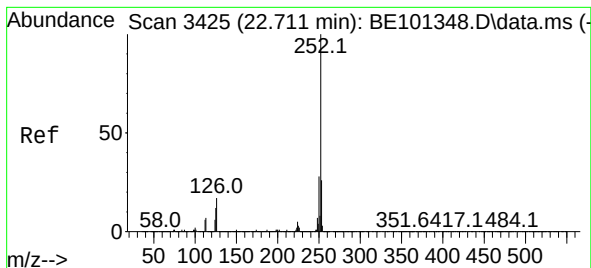
Ion Ratio Lower Upper

252 100

253 21.1 20.2 30.2

125 10.1 9.4 14.0





#89

Benzo(k)fluoranthene

Concen: 4.422 ng

RT: 22.700 min Scan# 3425

Delta R.T. -0.011 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

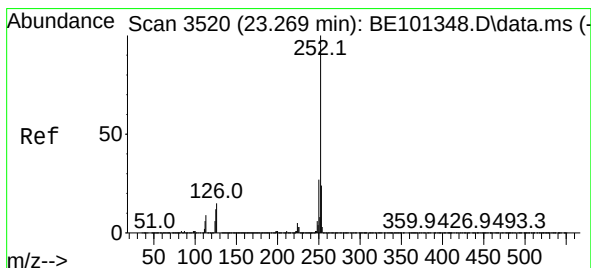
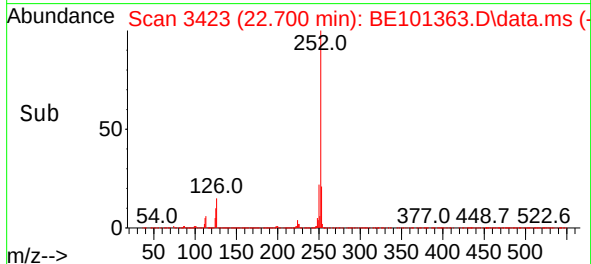
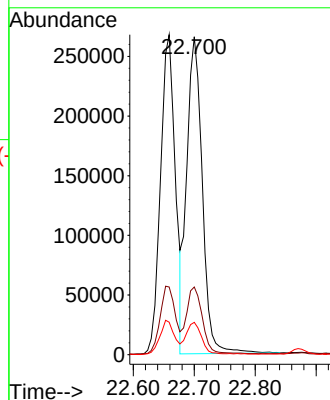
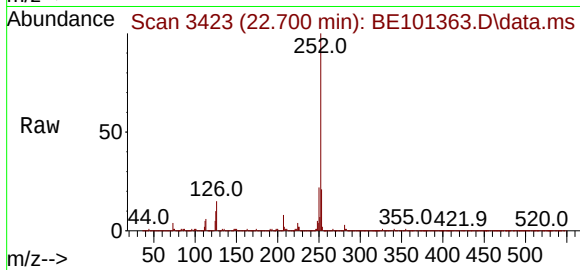
Tgt Ion:252 Resp: 471083

Ion Ratio Lower Upper

252 100

253 21.3 20.2 30.4

125 10.2 9.4 14.0



#90

Benzo(a)pyrene

Concen: 4.231 ng

RT: 23.258 min Scan# 3518

Delta R.T. -0.011 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

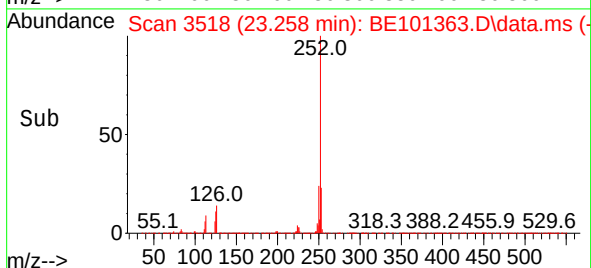
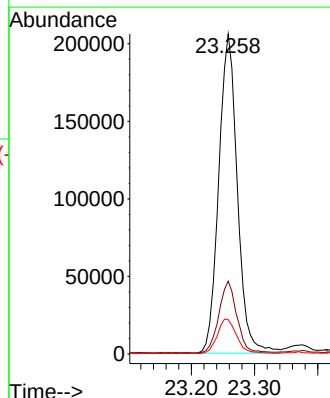
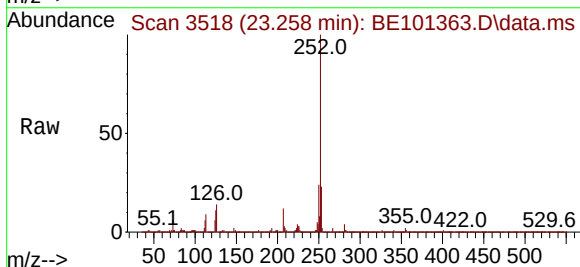
Tgt Ion:252 Resp: 421448

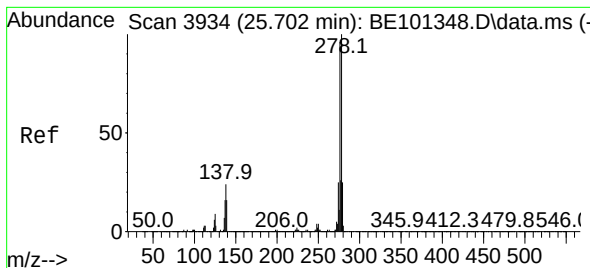
Ion Ratio Lower Upper

252 100

253 22.7 19.0 28.6

125 10.7 9.6 14.4





#91

Dibenzo(a,h)anthracene

Concen: 4.043 ng

RT: 25.673 min Scan# 3934

Delta R.T. -0.029 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

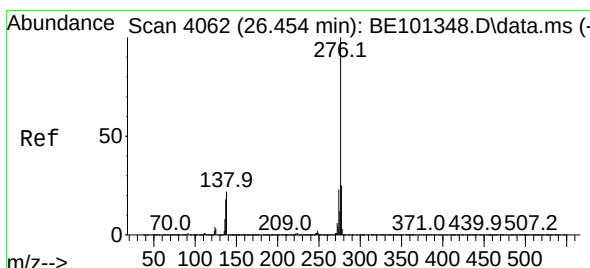
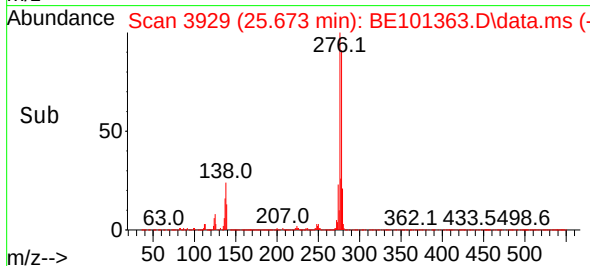
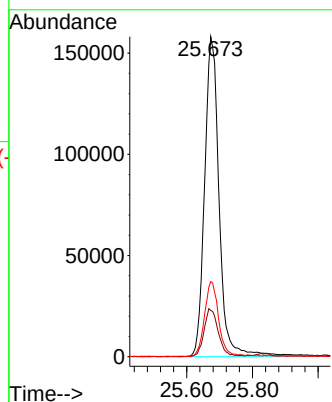
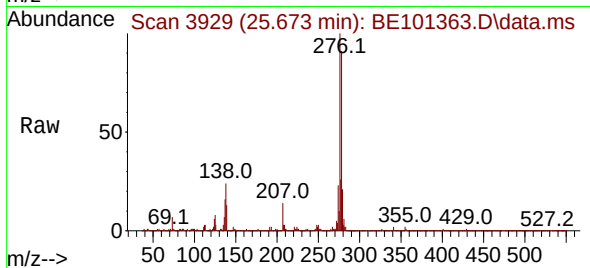
Tgt Ion:278 Resp: 486017

Ion Ratio Lower Upper

278 100

139 14.5 12.4 18.6

279 23.5 19.8 29.8



#92

Benzo(g,h,i)perylene

Concen: 3.698 ng

RT: 26.425 min Scan# 4057

Delta R.T. -0.029 min

Lab File: BE101363.D

Acq: 18 Sep 2024 14:47

Tgt Ion:276 Resp: 451400

Ion Ratio Lower Upper

276 100

277 23.2 19.8 29.8

138 19.6 17.4 26.0

