

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101409.D
 Acq On : 29 Oct 2024 16:20
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL 4 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Quant Time: Oct 29 17:01:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.573	152	194466	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	961068	20.000	ng	0.00
39) Acenaphthene-d10	14.177	164	698358	20.000	ng	0.00
64) Phenanthrene-d10	16.915	188	1618175	20.000	ng	0.00
76) Chrysene-d12	21.075	240	1883551	20.000	ng	0.00
86) Perylene-d12	23.360	264	2370908	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.316	112	1162822	104.802	ng	0.00
7) Phenol-d6	6.950	99	1644739	106.906	ng	0.00
23) Nitrobenzene-d5	8.783	82	1130543	73.885	ng	0.00
42) 2,4,6-Tribromophenol	15.687	330	1337339	109.260	ng	0.00
45) 2-Fluorobiphenyl	12.808	172	2941416	71.330	ng	0.00
79) Terphenyl-d14	19.512	244	4580944	55.976	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.231	88	14370	3.472	ng	99
4) n-Nitrosodimethylamine	3.636	42	13591	3.000	ng	# 86
6) Aniline	7.015	93	58217	4.938	ng	98
8) 2-Chlorophenol	7.214	128	48803	3.667	ng	94
9) Benzaldehyde	6.785	77	34482	4.643	ng	95
10) Phenol	6.973	94	54060	3.239	ng	91
11) bis(2-Chloroethyl)ether	7.015	93	58217	4.251	ng	# 31
12) 1,3-Dichlorobenzene	7.455	146	51622	3.597	ng	98
13) 1,4-Dichlorobenzene	7.602	146	52322	3.571	ng	98
14) 1,2-Dichlorobenzene	7.931	146	50728	3.537	ng	97
15) Benzyl Alcohol	7.913	79	41655	4.542	ng	# 78
16) 2,2'-oxybis(1-Chloropr...	8.066	45	66813	3.877	ng	99
17) 2-Methylphenol	8.154	107	34014	3.011	ng	96
18) Hexachloroethane	8.630	117	16471	3.442	ng	94
19) n-Nitroso-di-n-propyla...	8.378	70	34340	3.364	ng	98
20) 3+4-Methylphenols	8.495	107	47310	3.034	ng	97
22) Acetophenone	8.425	105	75382	3.454	ng	# 99
24) Nitrobenzene	8.824	77	58287	3.579	ng	98
25) Isophorone	9.277	82	97280	3.258	ng	97
26) 2-Nitrophenol	9.512	139	22963	2.917	ng	98
28) bis(2-Chloroethoxy)met...	9.782	93	59922	3.309	ng	94
29) 2,4-Dichlorophenol	10.058	162	42765	3.121	ng	96
30) 1,2,4-Trichlorobenzene	10.187	180	51034	3.419	ng	97
31) Naphthalene	10.387	128	170641	3.484	ng	99
32) Benzoic acid	9.817	122	4044	8.545	ng	97
33) 4-Chloroaniline	10.616	127	60099	3.529	ng	95
34) Hexachlorobutadiene	10.640	225	29508	3.340	ng	97
35) Caprolactam	11.392	113	12823	2.441	ng	99
36) 4-Chloro-3-methylphenol	11.785	107	47101	3.019	ng	98
37) 2-Methylnaphthalene	11.979	142	120973	3.429	ng	98
38) 1-Methylnaphthalene	12.203	142	115276	3.273	ng	99
40) 1,2,4,5-Tetrachloroben...	12.332	216	60804	3.468	ng	99
43) 2,4,6-Trichlorophenol	12.649	196	37200	3.078	ng	96
44) 2,4,5-Trichlorophenol	12.749	196	41856	3.024	ng	96
46) 1,1'-Biphenyl	13.007	154	177393	3.708	ng	99
47) 2-Chloronaphthalene	13.055	162	127367	3.369	ng	98

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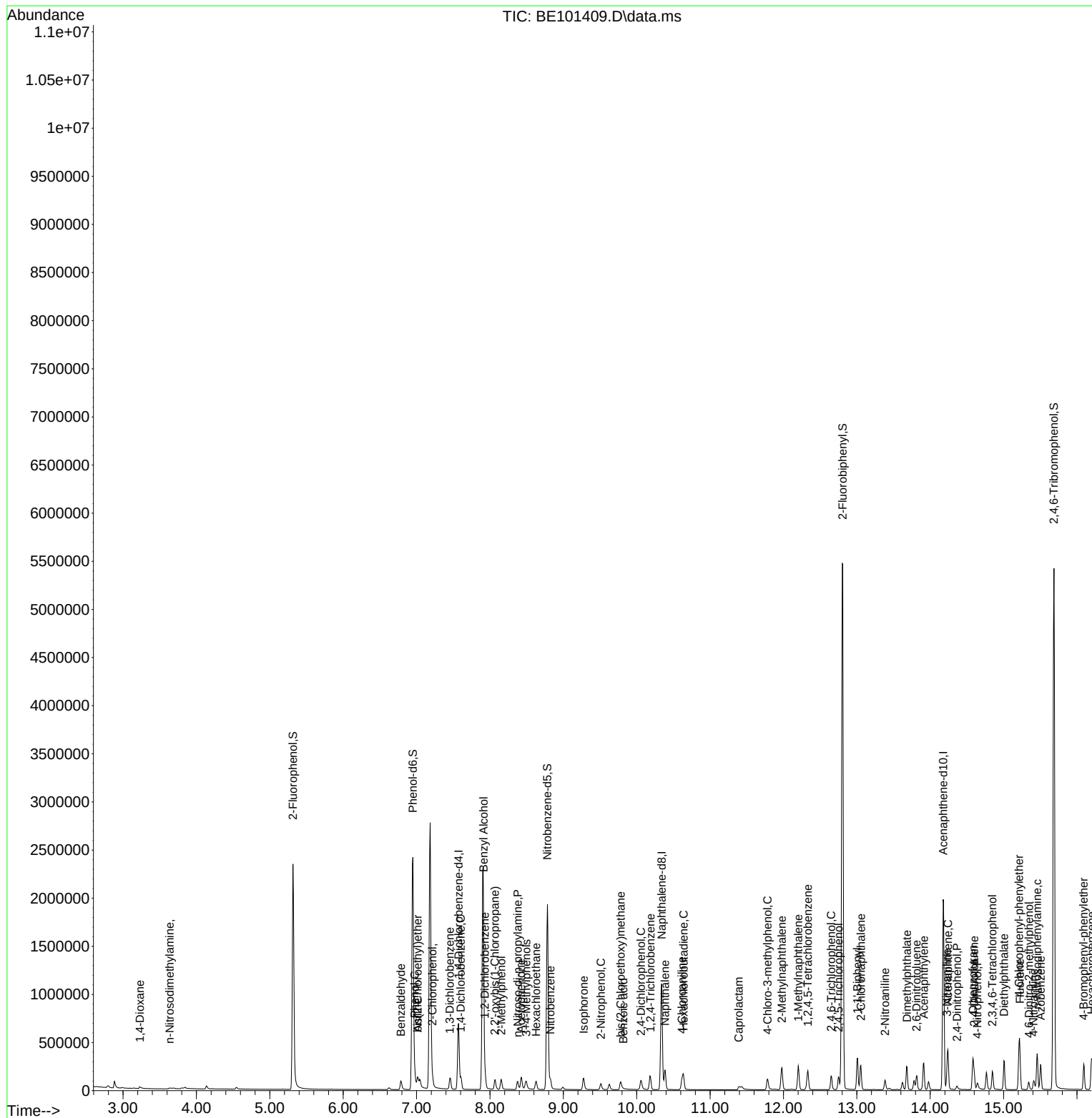
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Nitroaniline	13.384	65	28481	2.800	ng	97
49) Acenaphthylene	13.912	152	202488	3.622	ng	98
50) Dimethylphthalate	13.683	163	167221	3.392	ng	98
51) 2,6-Dinitrotoluene	13.812	165	33013	2.901	ng	98
52) Acenaphthene	14.241	154	123885	3.394	ng	99
53) 3-Nitroaniline	14.230	138	33551	2.965	ng	98
54) 2,4-Dinitrophenol	14.365	184	10668	6.843	ng	# 92
55) Dibenzofuran	14.582	168	206817	3.555	ng	97
56) 4-Nitrophenol	14.641	139	24374	2.352	ng	93
57) 2,4-Dinitrotoluene	14.600	165	41305	2.636	ng	# 87
58) Fluorene	15.223	166	164697	3.384	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.847	232	41907	3.277	ng	97
60) Diethylphthalate	15.005	149	170764	3.312	ng	98
61) 4-Chlorophenyl-phenyle...	15.211	204	81029	3.355	ng	97
62) 4-Nitroaniline	15.411	138	33151	2.633	ng	98
63) Azobenzene	15.505	77	149543	3.374	ng	98
65) 4,6-Dinitro-2-methylph...	15.346	198	19124	2.011	ng	95
66) n-Nitrosodiphenylamine	15.458	169	145472	3.390	ng	96
67) 4-Bromophenyl-phenylether	16.092	248	56845	3.340	ng	98
68) Hexachlorobenzene	16.198	284	72966	3.270	ng	99
69) Atrazine	16.386	200	53860	4.094	ng	95
70) Pentachlorophenol	16.609	266	32468	2.528	ng	94
71) Phenanthrene	16.956	178	287062	3.705	ng	97
72) Anthracene	17.044	178	259126	3.425	ng	97
73) Carbazole	17.367	167	266997	3.449	ng	98
74) Di-n-butylphthalate	17.820	149	298203	3.499	ng	97
75) Fluoranthene	18.959	202	343330	3.649	ng	96
77) Benzidine	19.218	184	67224	2.812	ng	97
78) Pyrene	19.324	202	374535	3.616	ng	96
80) Butylbenzylphthalate	20.181	149	155151	3.417	ng	98
81) Benzo(a)anthracene	21.051	228	416729	3.936	ng	94
82) 3,3'-Dichlorobenzidine	21.028	252	137970	3.327	ng	96
83) Chrysene	21.110	228	409341	3.999	ng	92
84) Bis(2-ethylhexyl)phtha...	20.881	149	201538	3.341	ng	# 96
85) Di-n-octyl phthalate	21.727	149	344472	3.479	ng	100
87) Indeno(1,2,3-cd)pyrene	25.663	276	571649	3.603	ng	99
88) Benzo(b)fluoranthene	22.643	252	434141	3.514	ng	98
89) Benzo(k)fluoranthene	22.690	252	449800	3.897	ng	97
90) Benzo(a)pyrene	23.243	252	401252	3.713	ng	98
91) Dibenzo(a,h)anthracene	25.657	278	473245	3.610	ng	99
92) Benzo(g,h,i)perylene	26.409	276	446449	3.305	ng	99

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

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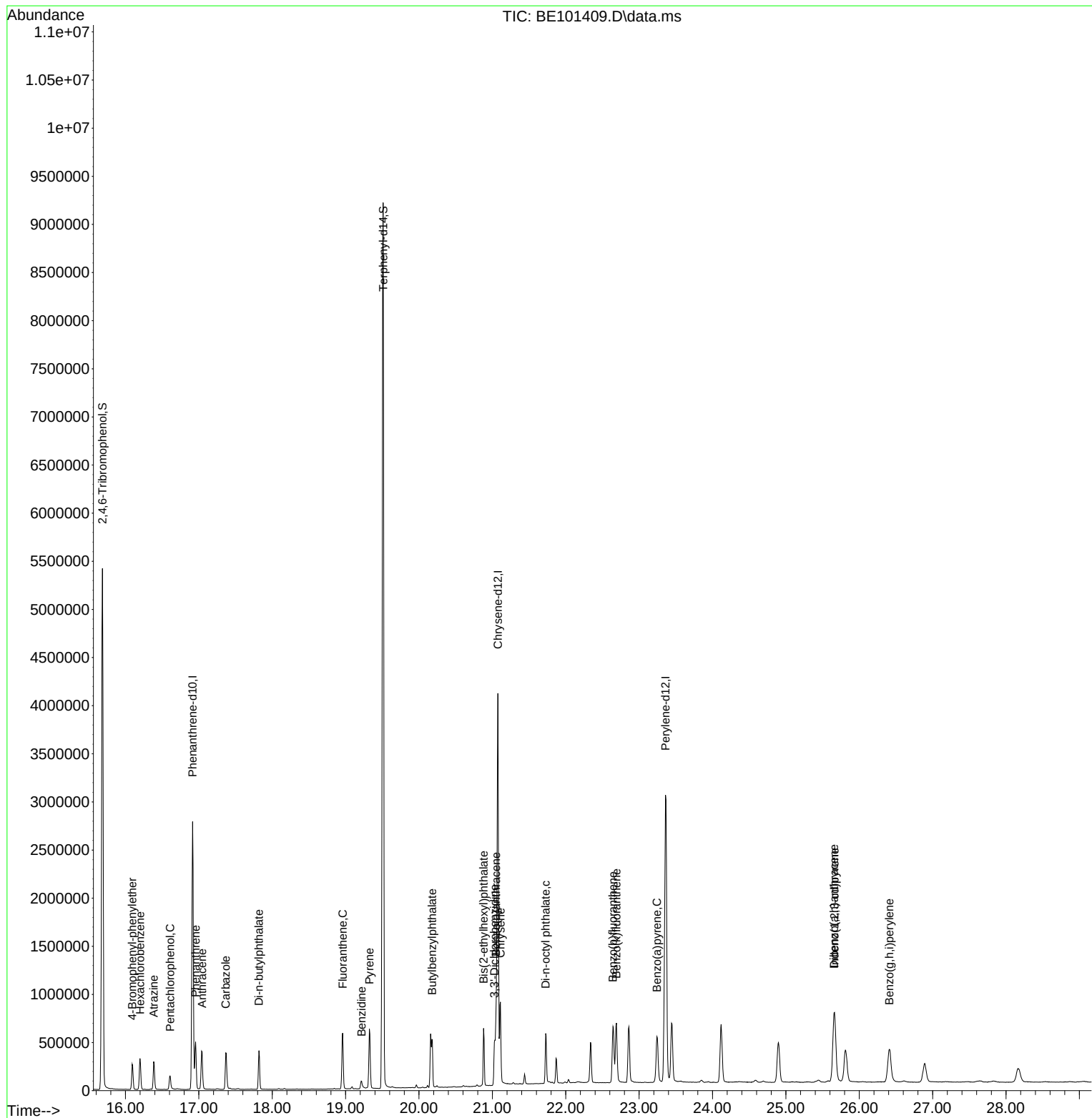
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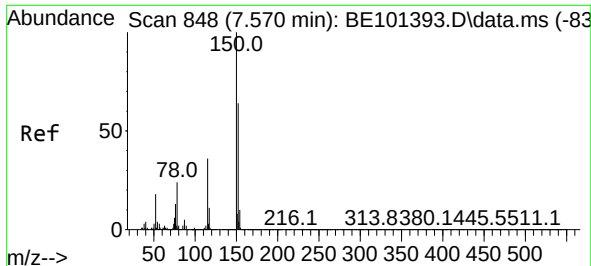


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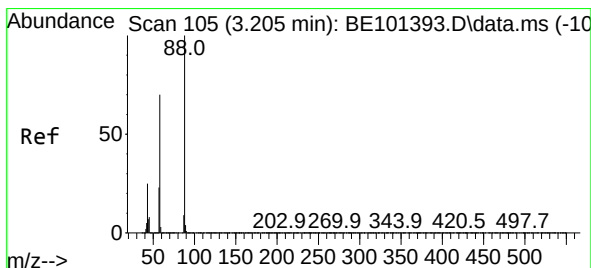
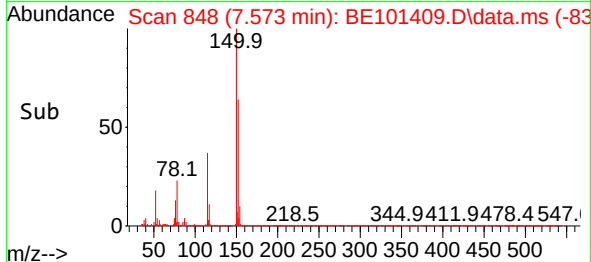
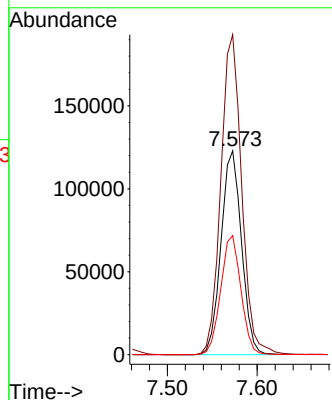
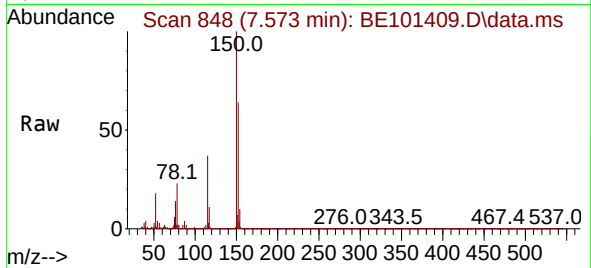




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.573 min Scan# 84
Delta R.T. 0.003 min
Lab File: BE101409.D
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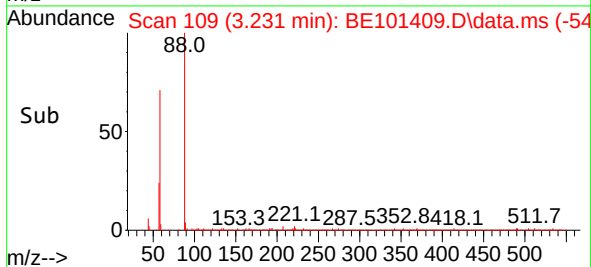
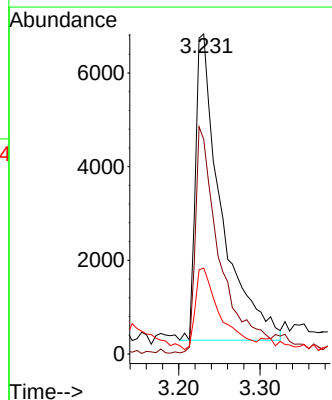
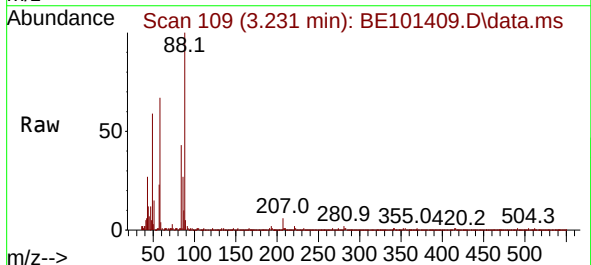
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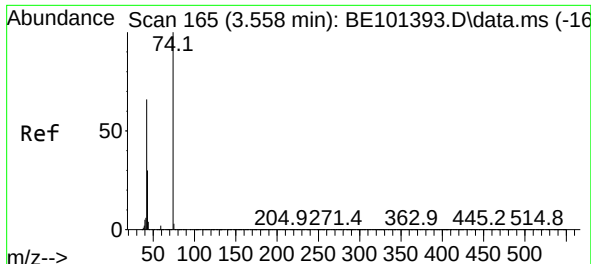
Tgt Ion:152 Resp: 194466
Ion Ratio Lower Upper
152 100
150 157.0 124.2 186.4
115 58.4 45.3 67.9



#2
1,4-Dioxane
Concen: 3.472 ng
RT: 3.231 min Scan# 109
Delta R.T. 0.026 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion: 88 Resp: 14370
Ion Ratio Lower Upper
88 100
58 70.8 56.5 84.7
43 25.8 19.8 29.8

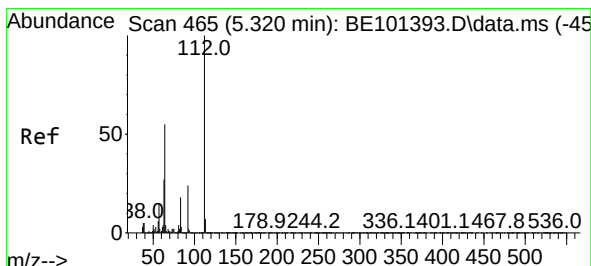
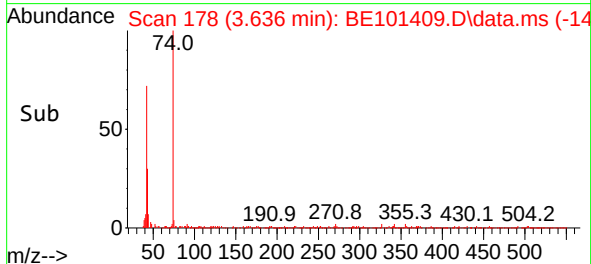
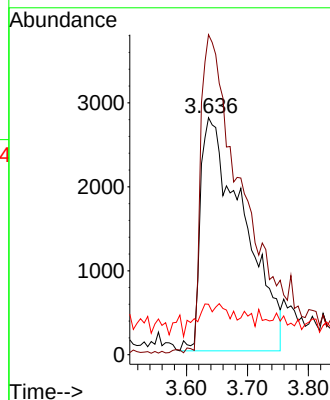
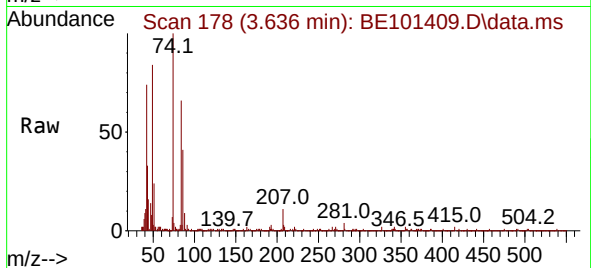




#4
n-Nitrosodimethylamine
Concen: 3.000 ng
RT: 3.636 min Scan# 11
Delta R.T. 0.079 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

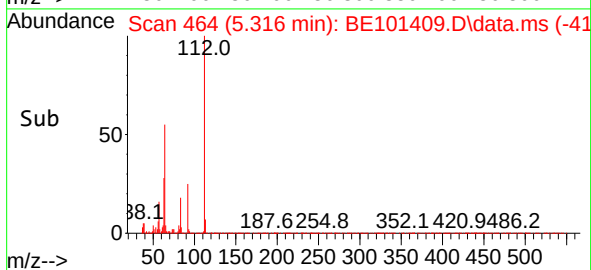
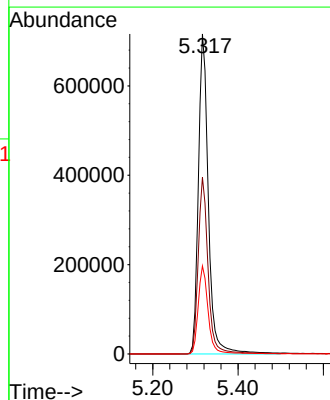
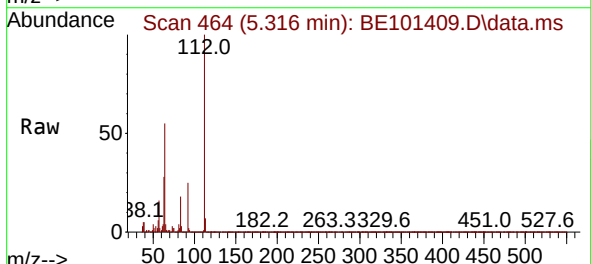
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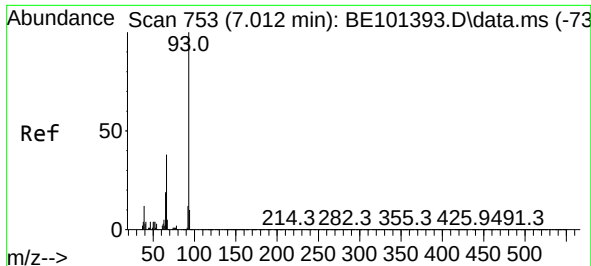
Tgt Ion: 42 Resp: 13591
Ion Ratio Lower Upper
42 100
74 135.1 121.4 182.0
44 21.3 5.6 8.4#



#5
2-Fluorophenol
Concen: 104.802 ng
RT: 5.316 min Scan# 464
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion: 112 Resp: 1162822
Ion Ratio Lower Upper
112 100
64 55.2 43.7 65.5
63 27.5 21.4 32.2





#6

Aniline

Concen: 4.938 ng

RT: 7.015 min Scan# 753

Delta R.T. 0.002 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

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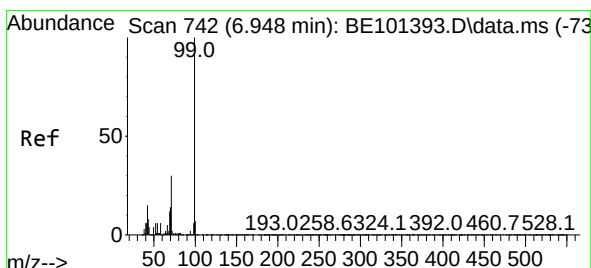
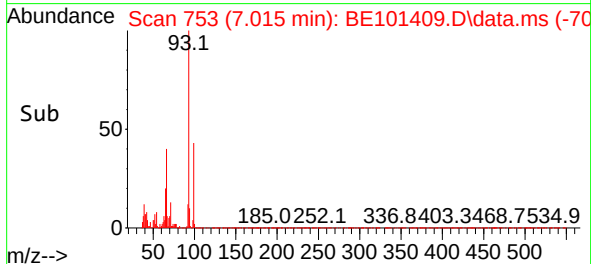
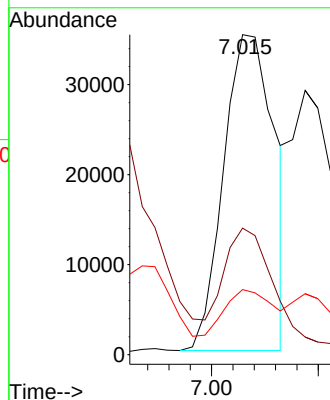
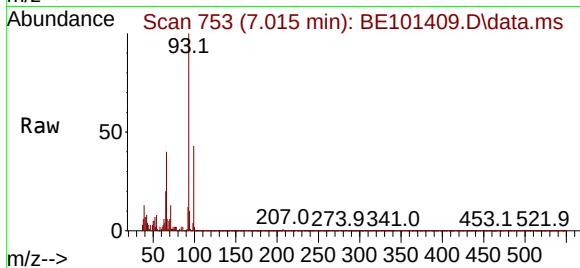
Tgt Ion: 93 Resp: 58217

Ion Ratio Lower Upper

93 100

66 39.6 31.0 46.4

65 20.3 15.5 23.3



#7

Phenol-d6

Concen: 106.906 ng

RT: 6.950 min Scan# 742

Delta R.T. 0.002 min

Lab File: BE101409.D

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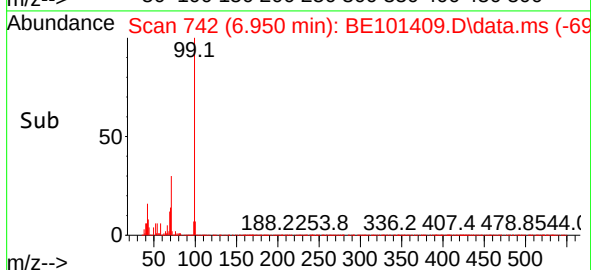
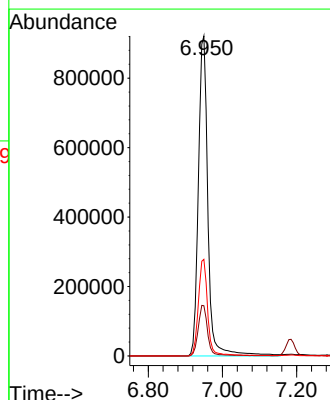
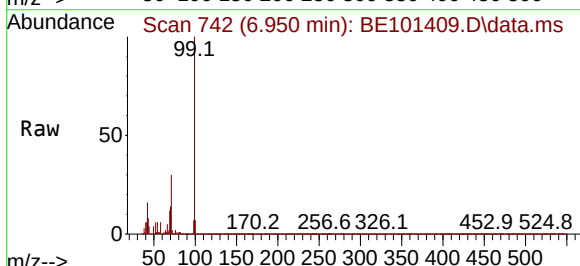
Tgt Ion: 99 Resp: 1644739

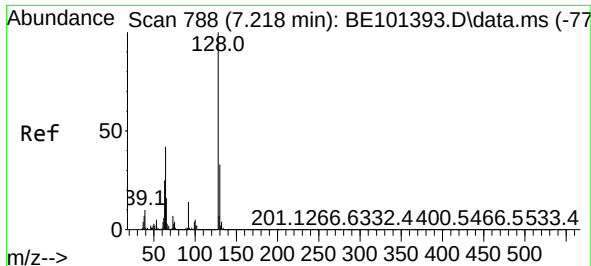
Ion Ratio Lower Upper

99 100

42 15.7 12.3 18.5

71 30.2 23.8 35.8

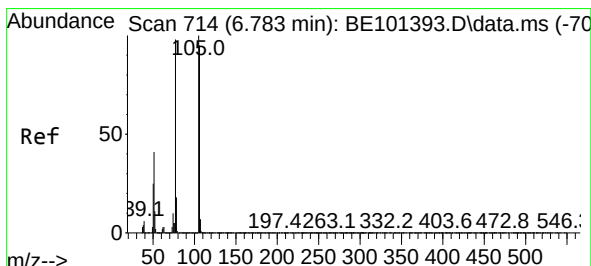
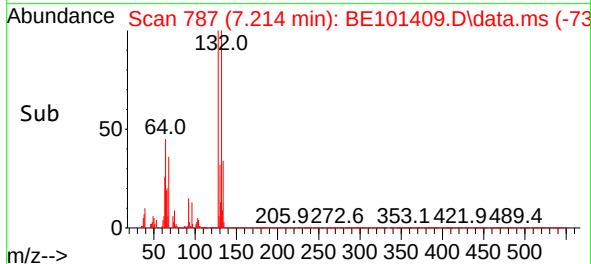
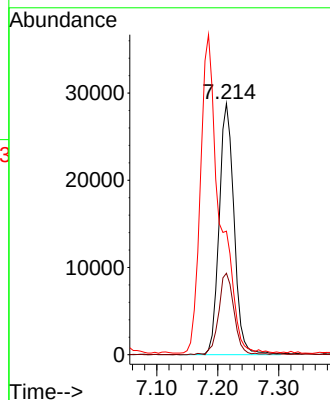
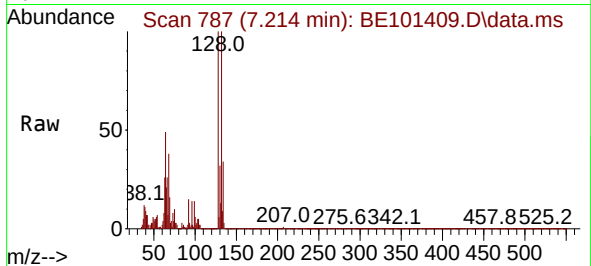




#8
2-Chlorophenol
Concen: 3.667 ng
RT: 7.214 min Scan# 714
Delta R.T. -0.004 min
Lab File: BE101409.D
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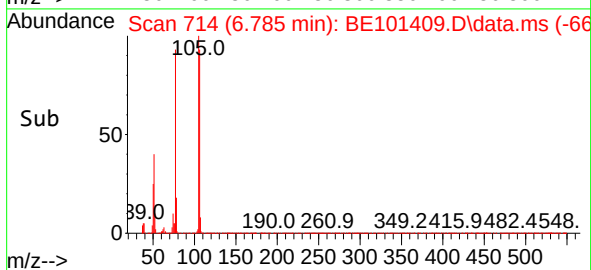
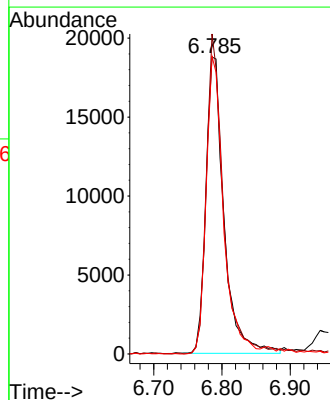
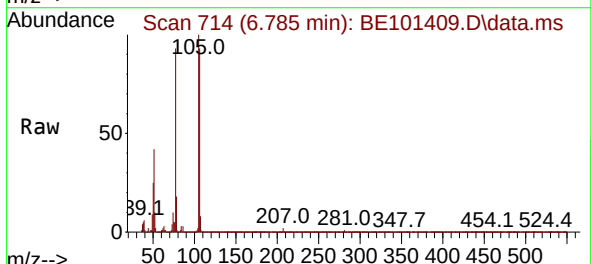
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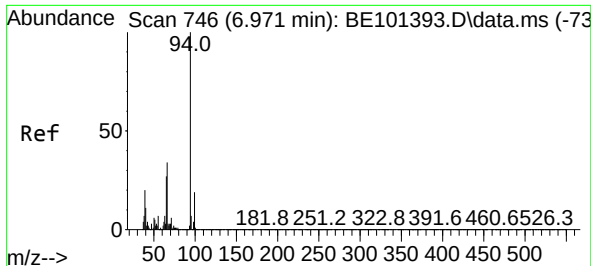
Tgt Ion:128 Resp: 48803
Ion Ratio Lower Upper
128 100
130 32.4 12.9 52.9
64 49.2 22.3 62.3



#9
Benzaldehyde
Concen: 4.643 ng
RT: 6.785 min Scan# 714
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion: 77 Resp: 34482
Ion Ratio Lower Upper
77 100
105 107.7 81.9 121.9
106 100.2 76.5 116.5





#10

Phenol

Concen: 3.239 ng

RT: 6.973 min Scan# 746

Delta R.T. 0.002 min

Lab File: BE101409.D

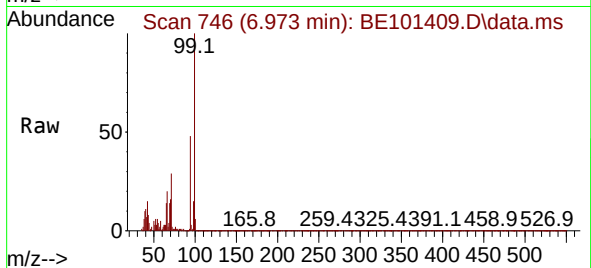
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Instrument :

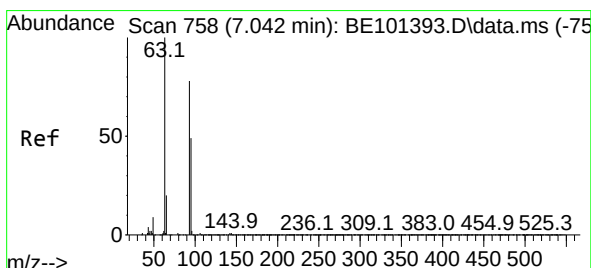
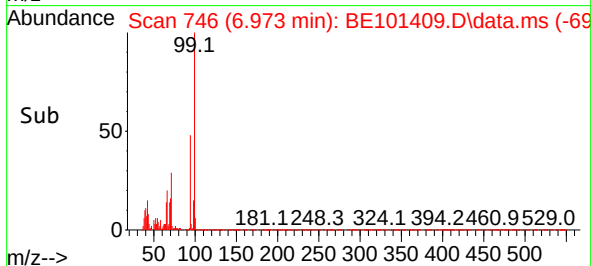
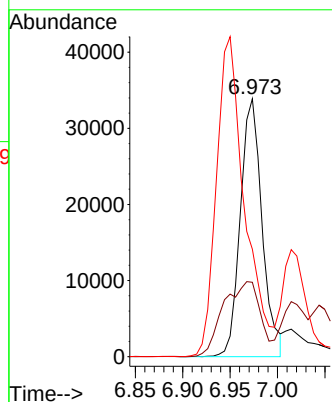
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Tgt Ion: 94	Resp: 54060
Ion Ratio	Lower Upper
94	100
65	28.8 6.8 46.8
66	41.7 14.0 54.0



#11

bis(2-Chloroethyl)ether

Concen: 4.251 ng

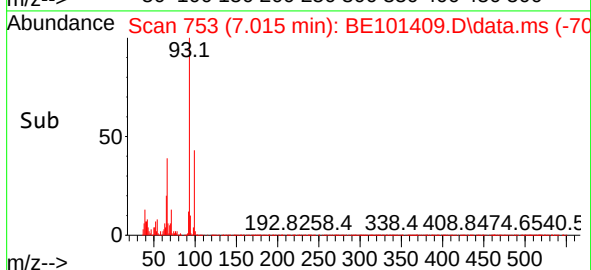
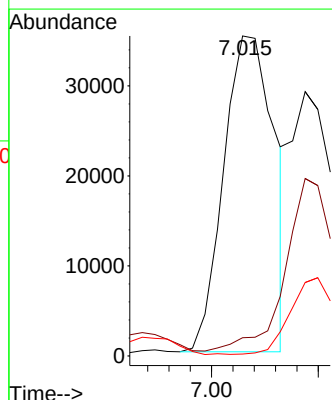
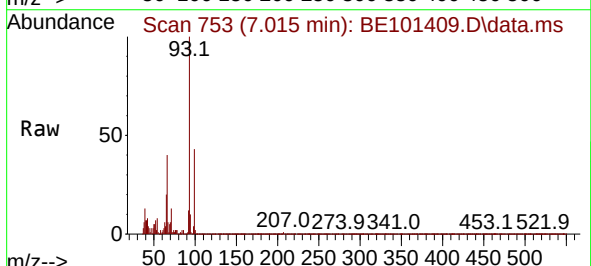
RT: 7.015 min Scan# 753

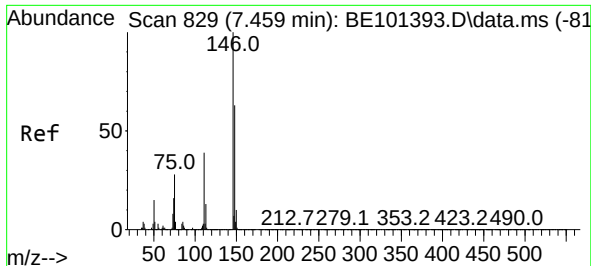
Delta R.T. -0.027 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Tgt Ion: 93	Resp: 58217
Ion Ratio	Lower Upper
93	100
63	5.7 46.3 86.3#
95	0.6 9.6 49.6#





#12

1,3-Dichlorobenzene

Concen: 3.597 ng

RT: 7.455 min Scan# 81

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

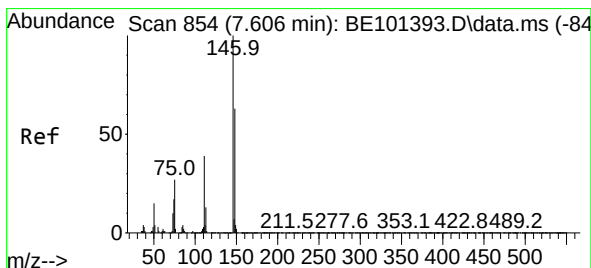
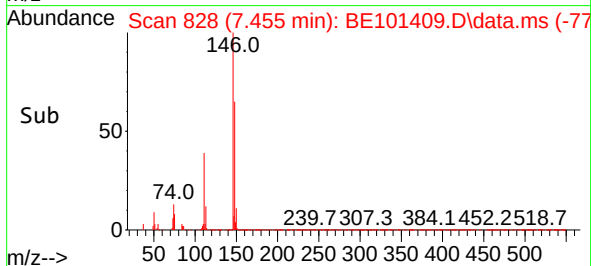
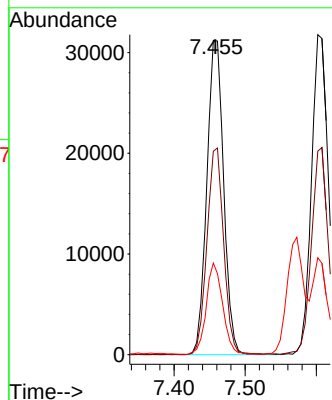
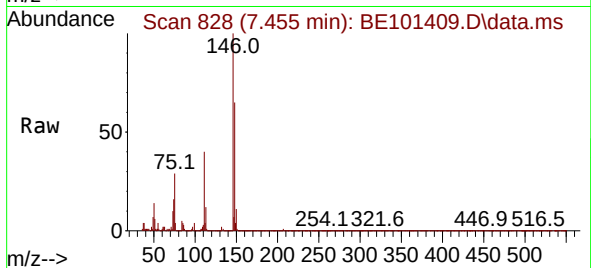
Tgt Ion:146 Resp: 51622

Ion Ratio Lower Upper

146 100

148 64.7 50.5 75.7

75 29.2 22.0 33.0



#13

1,4-Dichlorobenzene

Concen: 3.571 ng

RT: 7.602 min Scan# 853

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

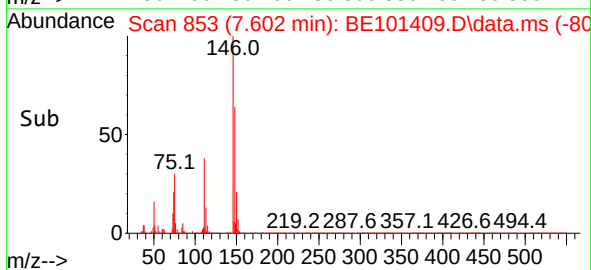
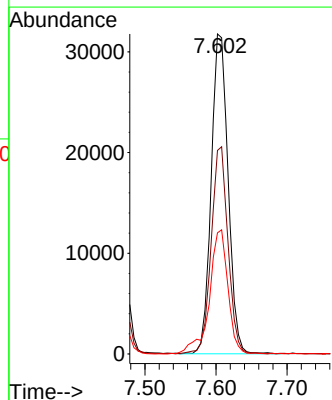
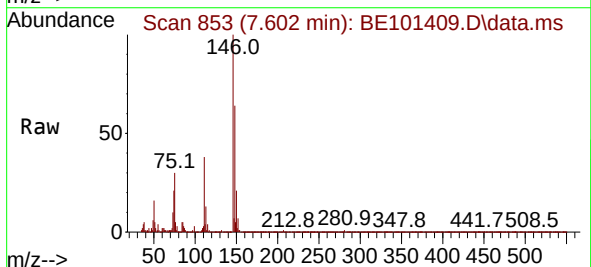
Tgt Ion:146 Resp: 52322

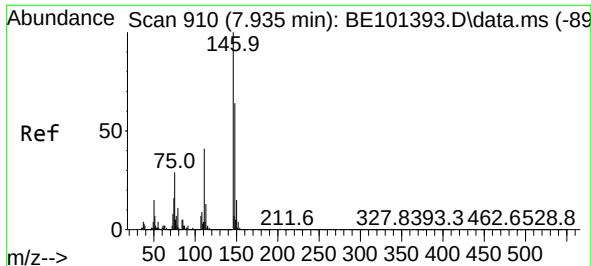
Ion Ratio Lower Upper

146 100

148 63.6 50.2 75.2

111 37.9 31.6 47.4

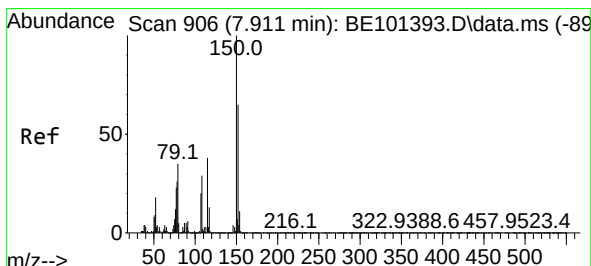
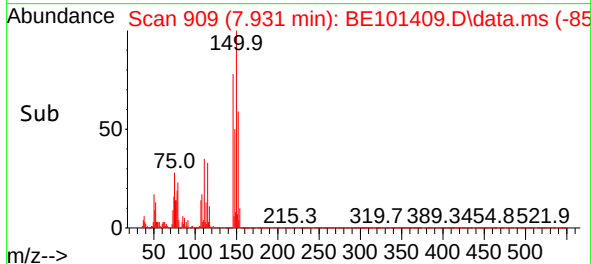
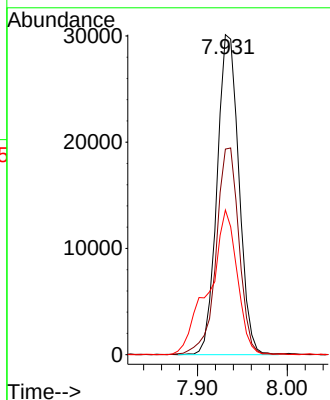
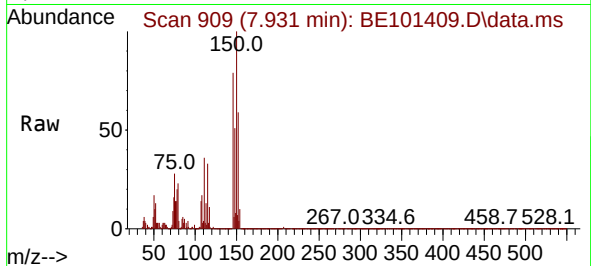




#14
1,2-Dichlorobenzene
Concen: 3.537 ng
RT: 7.931 min Scan# 909
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

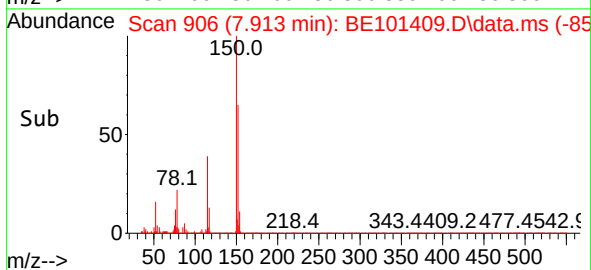
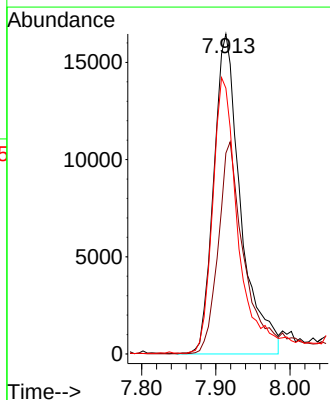
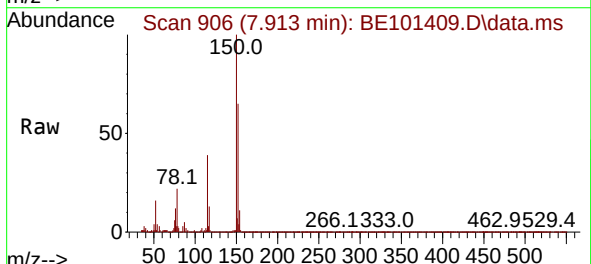
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

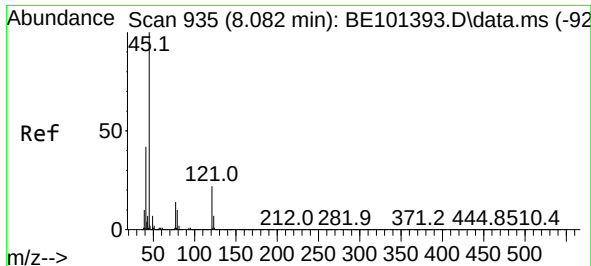
Tgt Ion:146 Resp: 50728
Ion Ratio Lower Upper
146 100
148 64.2 51.4 77.2
111 45.2 32.8 49.2



#15
Benzyl Alcohol
Concen: 4.542 ng
RT: 7.913 min Scan# 906
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion: 79 Resp: 41655
Ion Ratio Lower Upper
79 100
108 62.7 66.1 99.1#
77 83.1 53.1 79.7#

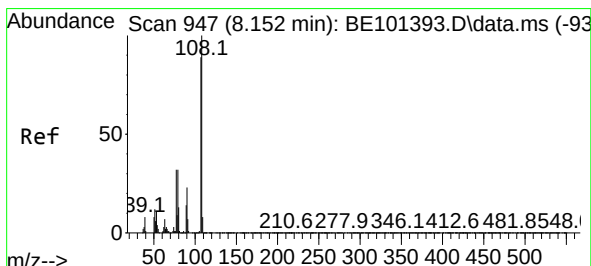
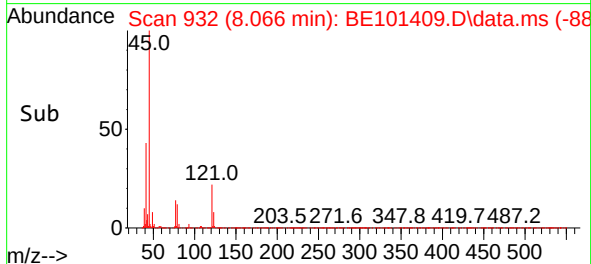
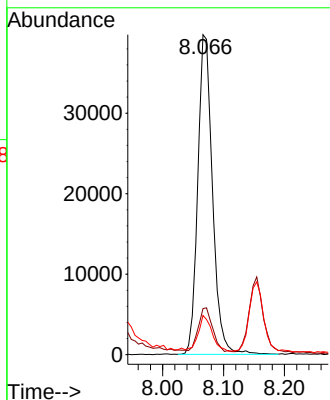
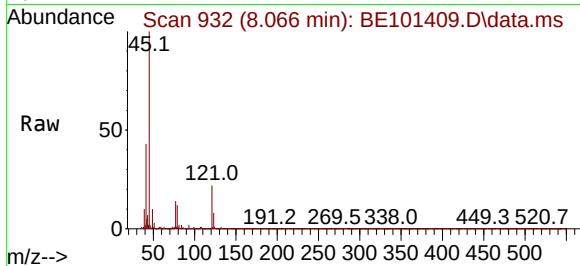




#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.877 ng
RT: 8.066 min Scan# 91
Delta R.T. -0.015 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

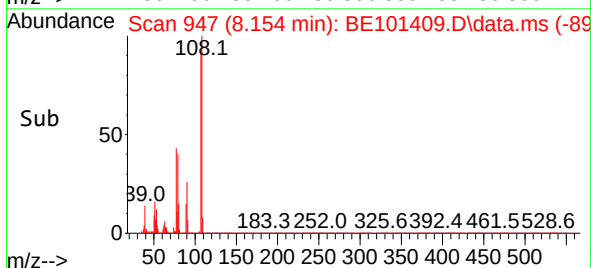
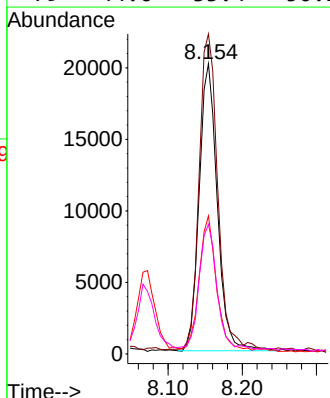
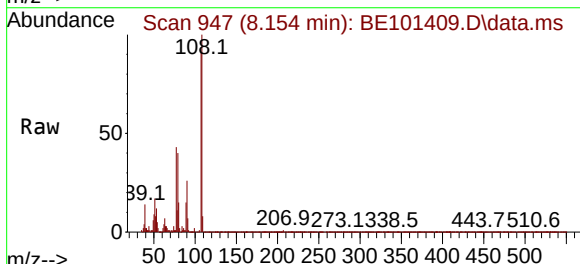
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

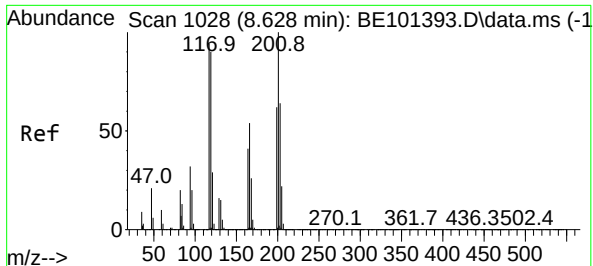
Tgt Ion: 45 Resp: 66813
Ion Ratio Lower Upper
45 100
77 14.4 0.0 34.5
79 12.3 0.0 31.8



#17
2-Methylphenol
Concen: 3.011 ng
RT: 8.154 min Scan# 947
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion: 107 Resp: 34014
Ion Ratio Lower Upper
107 100
108 110.3 90.0 135.0
77 47.6 34.2 51.4
79 44.6 33.4 50.2

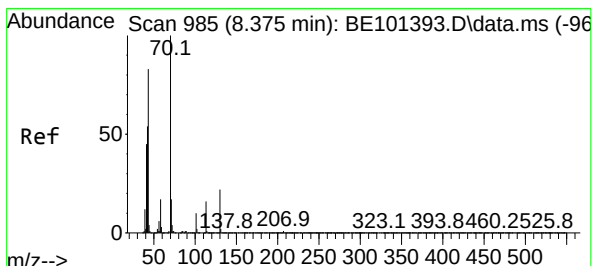
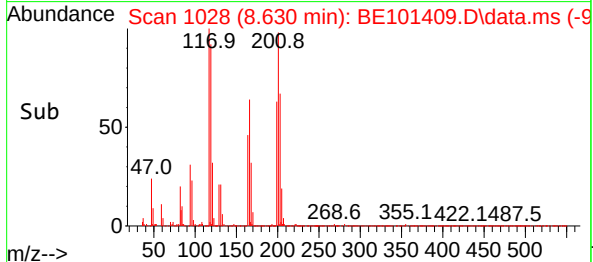
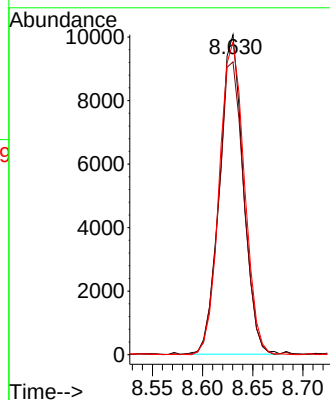
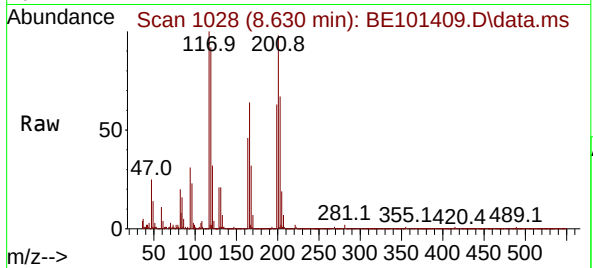




#18
Hexachloroethane
Concen: 3.442 ng
RT: 8.630 min Scan# 1028
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

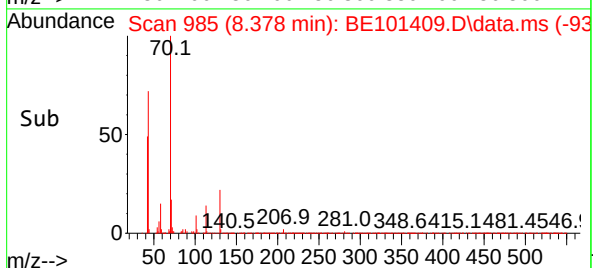
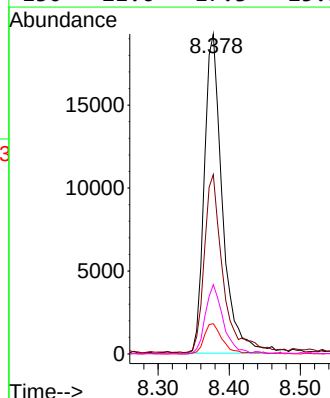
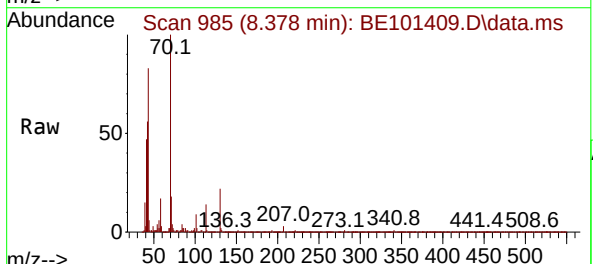
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

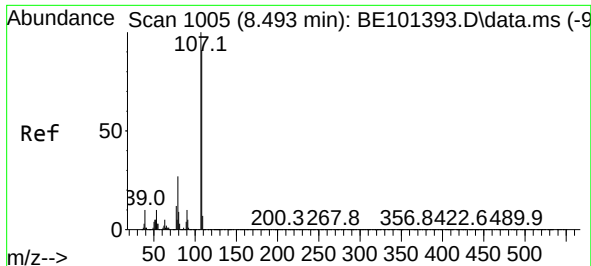
Tgt Ion:117 Resp: 16471
Ion Ratio Lower Upper
117 100
119 91.5 77.0 115.4
201 98.9 85.3 127.9



#19
n-Nitroso-di-n-propylamine
Concen: 3.364 ng
RT: 8.378 min Scan# 985
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion: 70 Resp: 34340
Ion Ratio Lower Upper
70 100
42 56.0 43.4 65.0
101 9.5 8.1 12.1
130 21.6 17.3 25.9

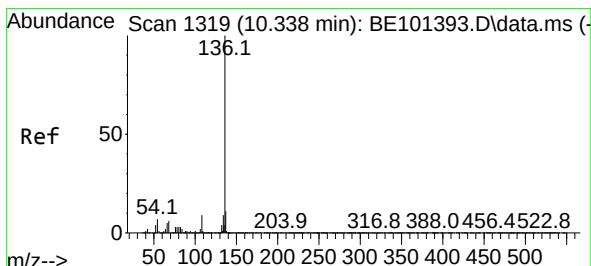
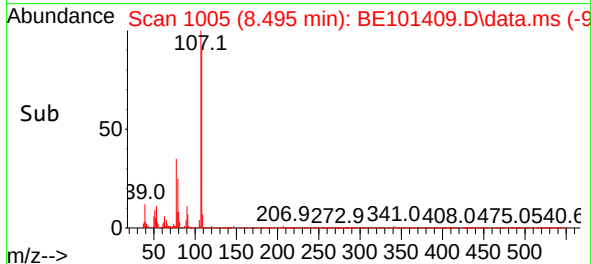
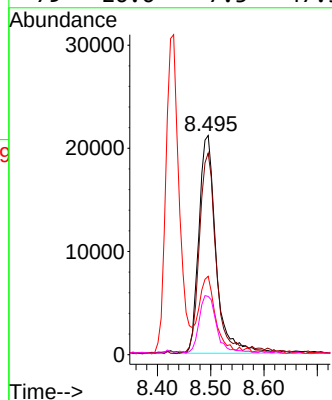
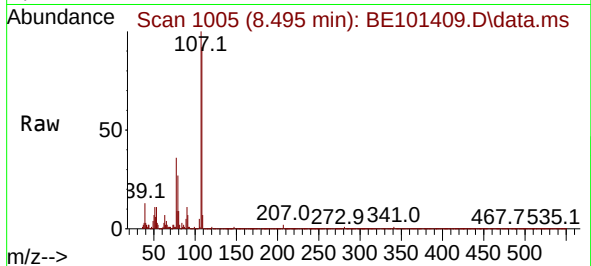




#20
3+4-Methylphenols
Concen: 3.034 ng
RT: 8.495 min Scan# 1005
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

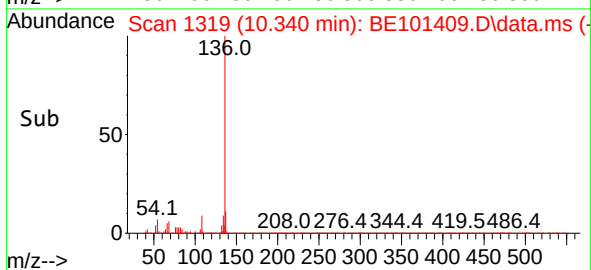
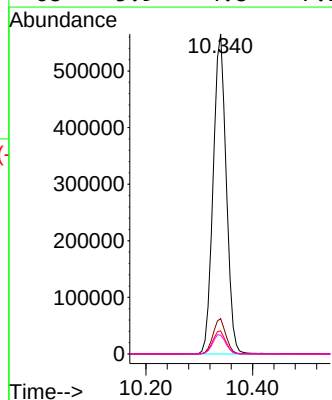
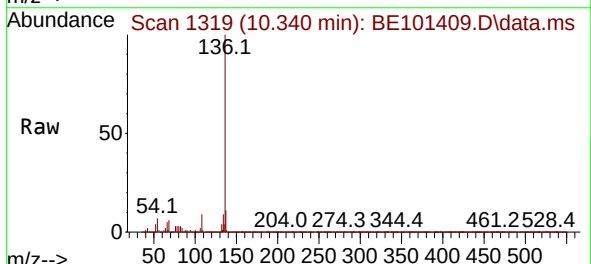
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

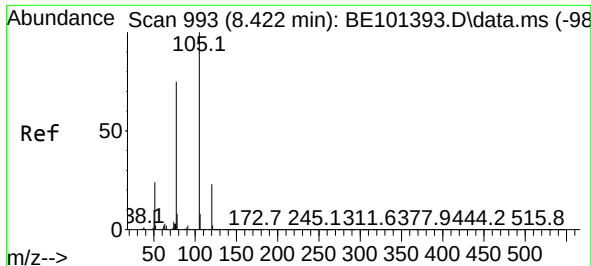
Tgt Ion:107	Resp:	47310
Ion	Ratio	Lower Upper
107	100	
108	92.0	70.6 110.6
77	35.8	11.3 51.3
79	26.6	7.3 47.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.340 min Scan# 1319
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:136	Resp:	961068
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.0 13.6
54	7.2	5.9 8.9
68	5.9	4.8 7.2

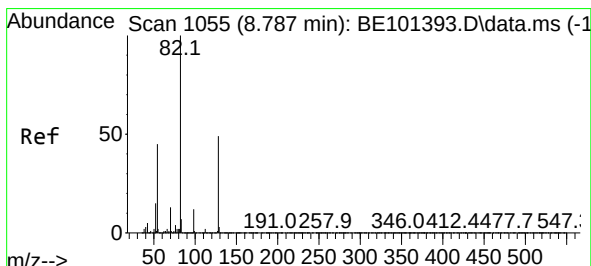
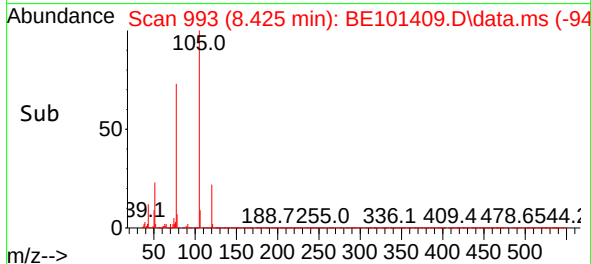
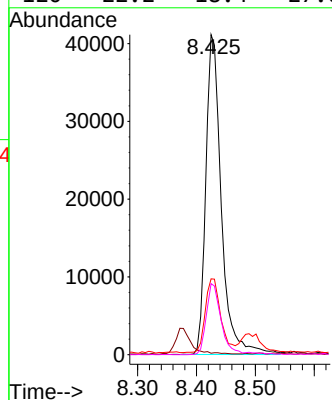
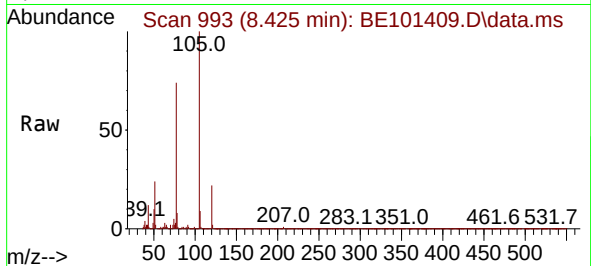




#22
Acetophenone
Concen: 3.454 ng
RT: 8.425 min Scan# 993
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

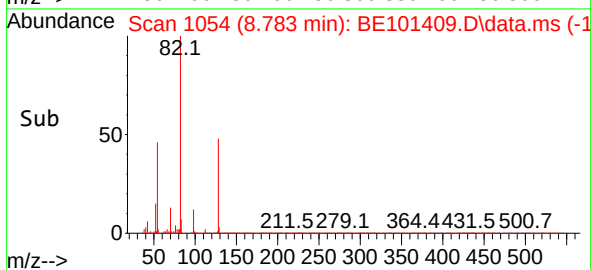
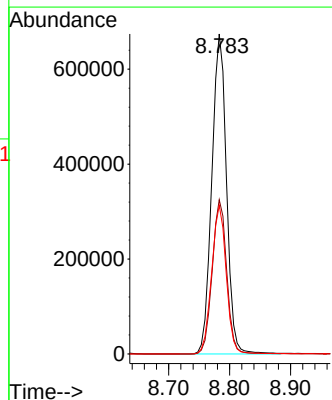
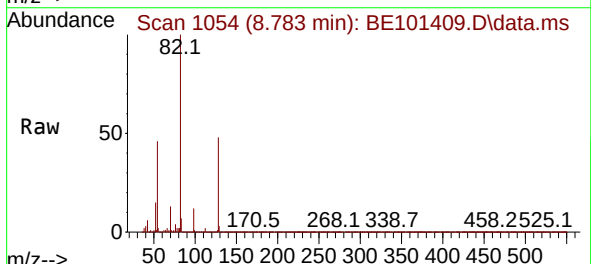
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

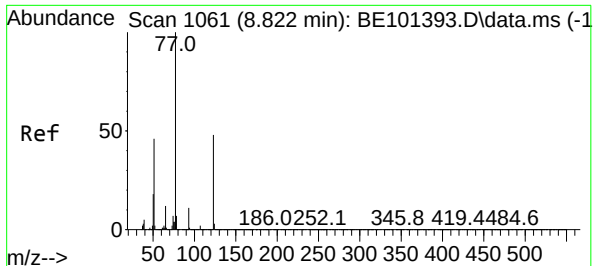
Tgt Ion:	105	Resp:	75382
Ion	Ratio	Lower	Upper
105	100		
71	0.4	0.1	0.1#
51	23.7	19.4	29.0
120	22.2	18.4	27.6



#23
Nitrobenzene-d5
Concen: 73.885 ng
RT: 8.783 min Scan# 1054
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:	82	Resp:	1130543
Ion	Ratio	Lower	Upper
82	100		
128	48.2	38.9	58.3
54	46.5	36.2	54.4

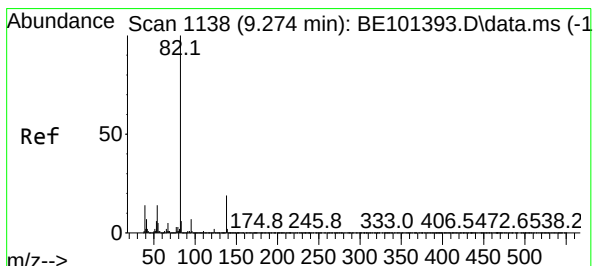
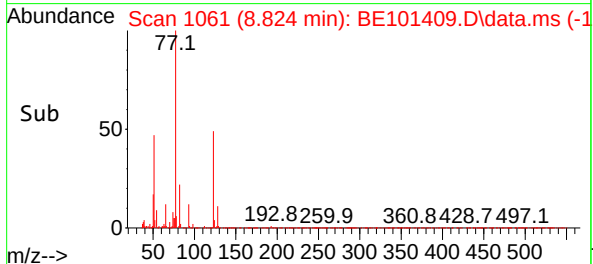
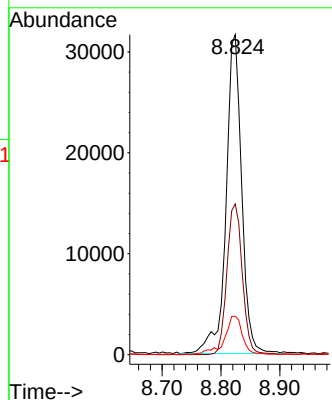
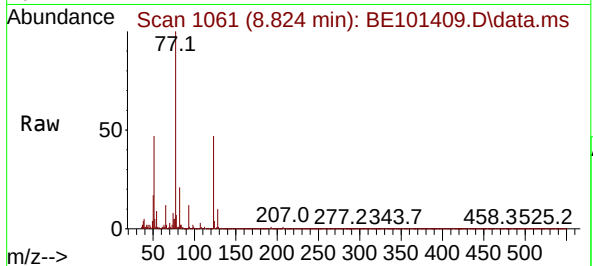




#24
Nitrobenzene
Concen: 3.579 ng
RT: 8.824 min Scan# 1061
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

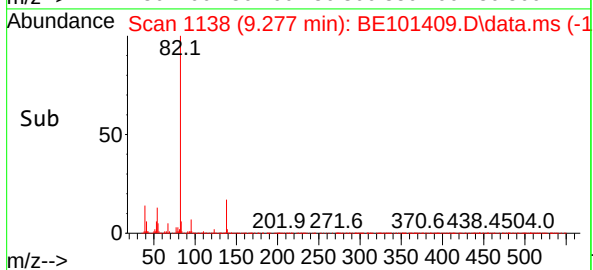
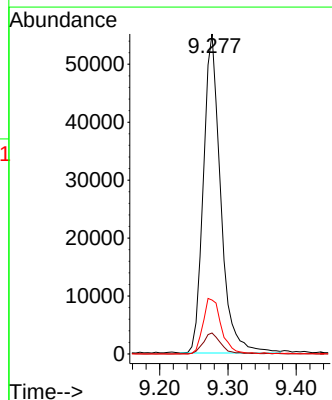
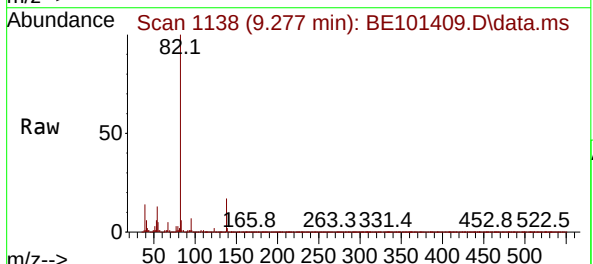
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

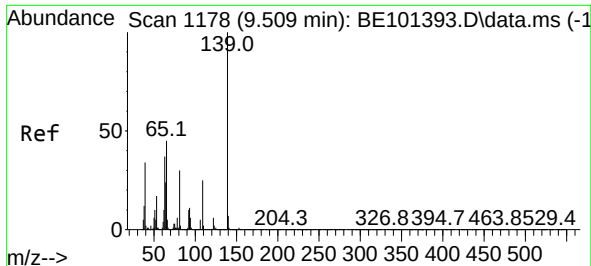
Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.1	38.7	58.1
65	12.0	10.0	15.0



#25
Isophorone
Concen: 3.258 ng
RT: 9.277 min Scan# 1138
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.5	8.3
138	16.9	15.0	22.4

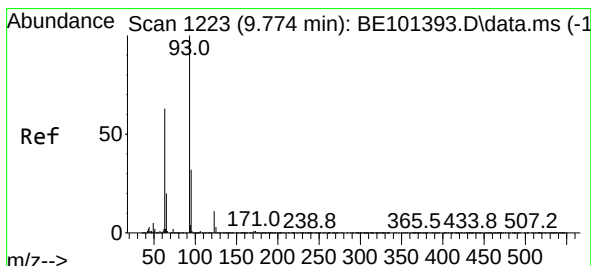
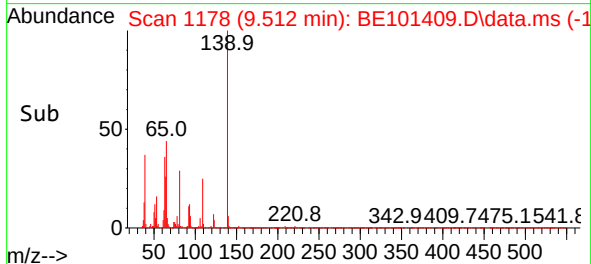
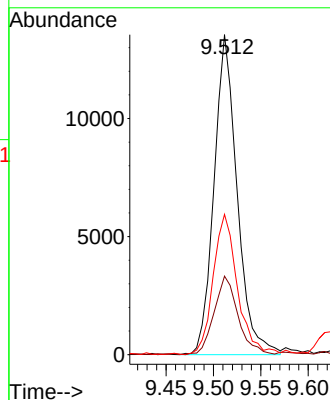
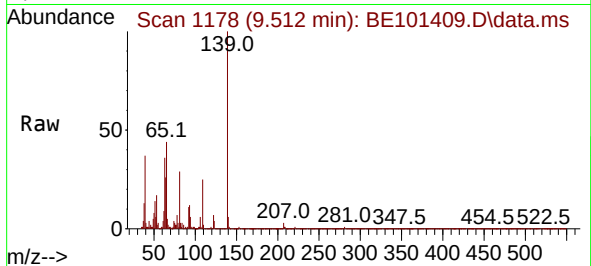




#26
2-Nitrophenol
Concen: 2.917 ng
RT: 9.512 min Scan# 1178
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

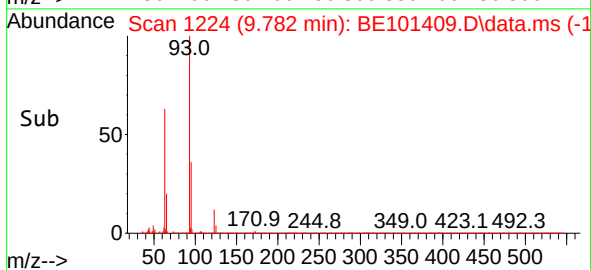
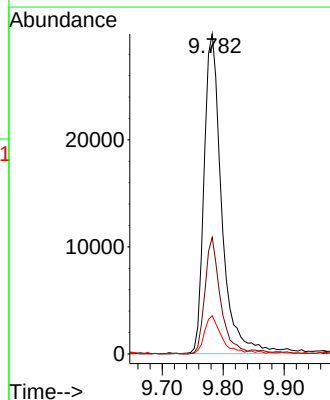
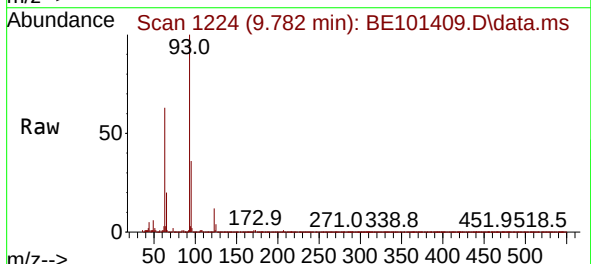
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

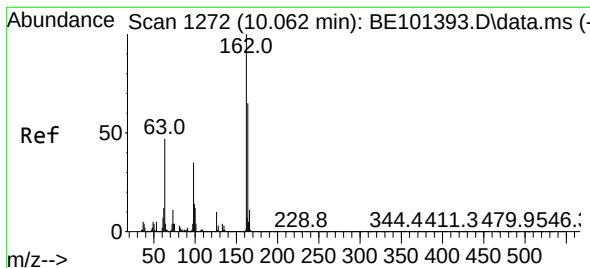
Tgt Ion:139 Resp: 22963
Ion Ratio Lower Upper
139 100
109 24.5 20.1 30.1
65 43.9 36.0 54.0



#28
bis(2-Chloroethoxy)methane
Concen: 3.309 ng
RT: 9.782 min Scan# 1224
Delta R.T. 0.008 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion: 93 Resp: 59922
Ion Ratio Lower Upper
93 100
95 36.4 25.8 38.6
123 12.0 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 3.121 ng

RT: 10.058 min Scan# 1271

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

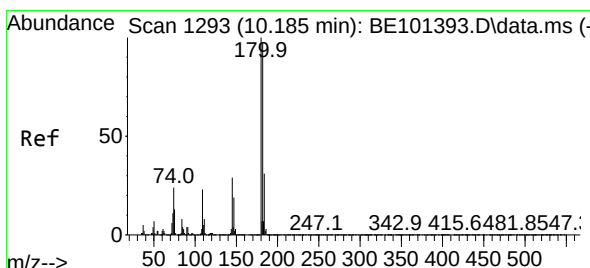
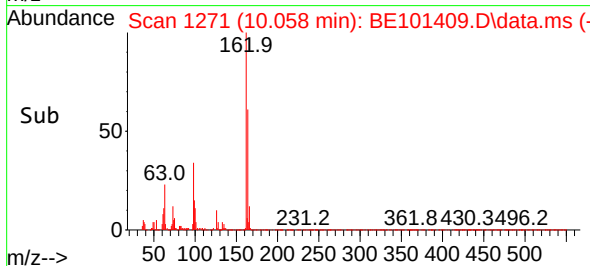
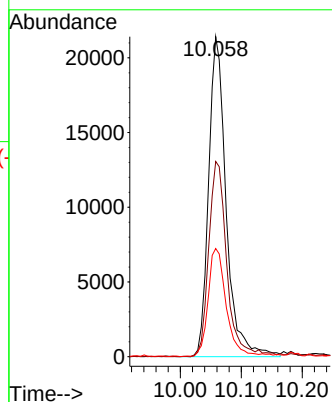
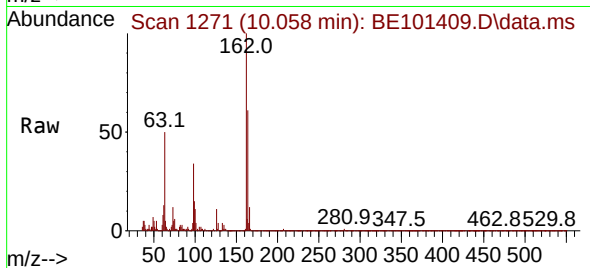
Tgt Ion:162 Resp: 42765

Ion Ratio Lower Upper

162 100

164 61.0 45.4 85.4

98 33.8 14.5 54.5



#30

1,2,4-Trichlorobenzene

Concen: 3.419 ng

RT: 10.187 min Scan# 1293

Delta R.T. 0.002 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

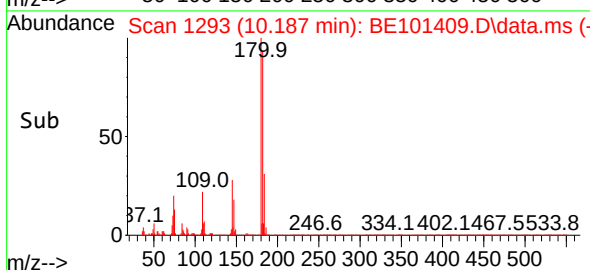
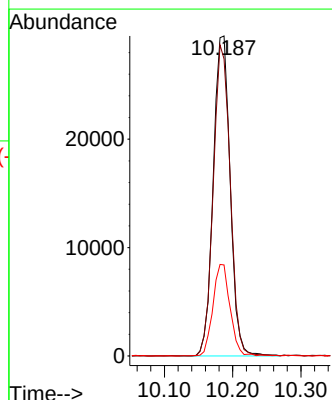
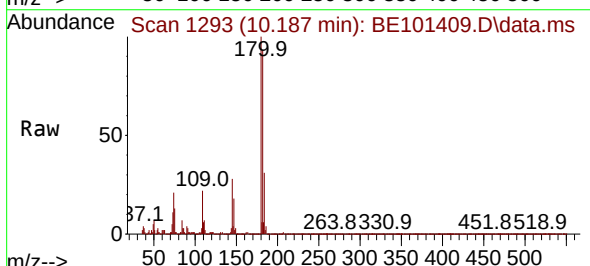
Tgt Ion:180 Resp: 51034

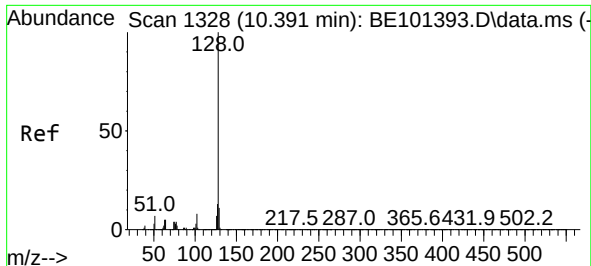
Ion Ratio Lower Upper

180 100

182 92.8 77.4 116.0

145 28.4 23.3 34.9

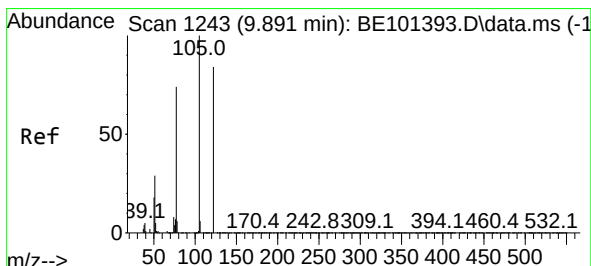
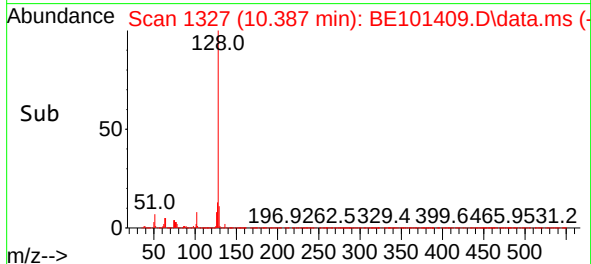
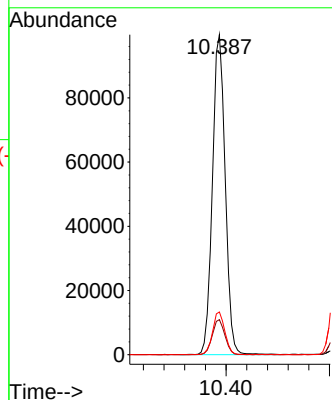
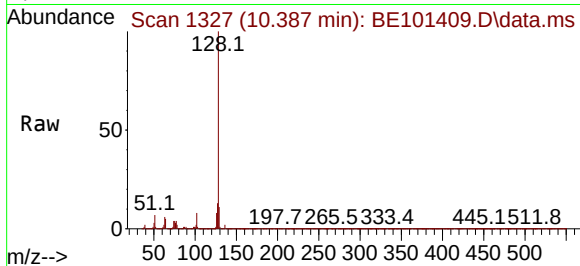




#31
Naphthalene
Concen: 3.484 ng
RT: 10.387 min Scan# 11
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

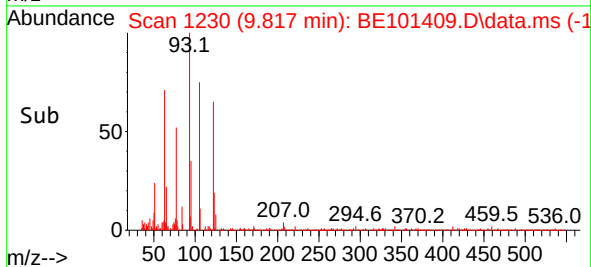
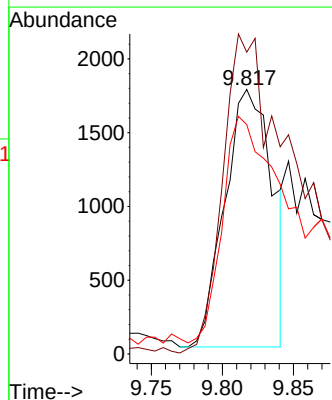
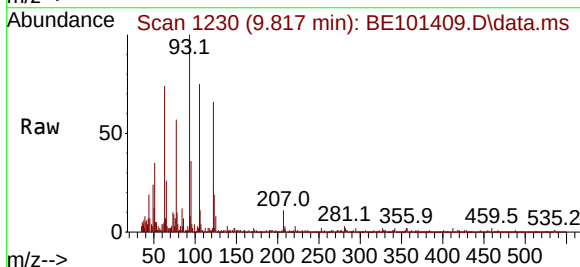
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

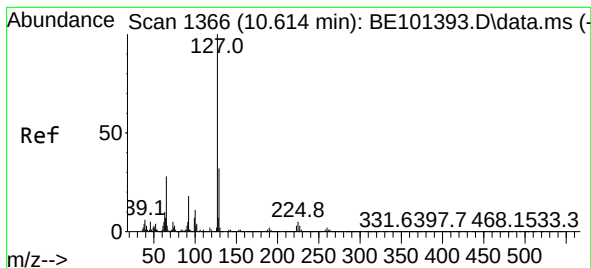
Tgt Ion:128 Resp: 170641
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.3 10.3 15.5



#32
Benzoic acid
Concen: 8.545 ng
RT: 9.817 min Scan# 1230
Delta R.T. -0.074 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:122 Resp: 4044
Ion Ratio Lower Upper
122 100
105 114.1 97.9 137.9
77 86.7 68.1 108.1





#33

4-Chloroaniline

Concen: 3.529 ng

RT: 10.616 min Scan# 1366

Delta R.T. 0.002 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:127 Resp: 60099

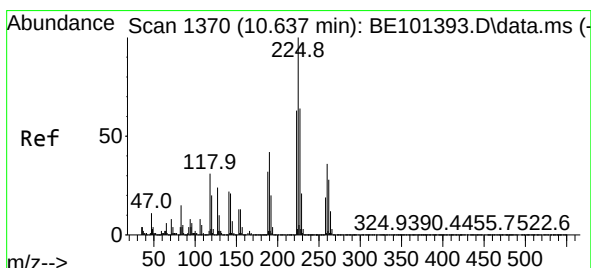
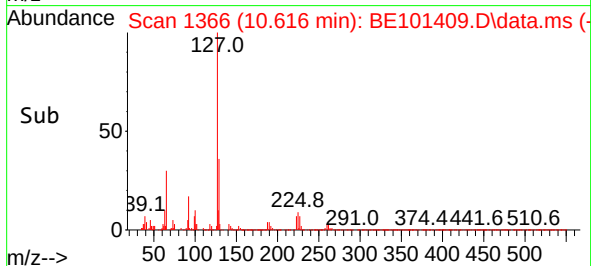
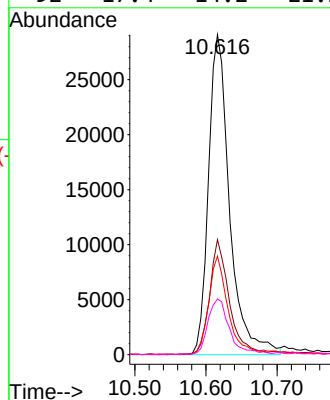
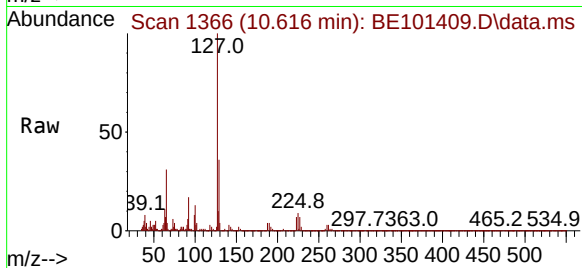
Ion Ratio Lower Upper

127 100

129 36.0 25.7 38.5

65 30.8 22.2 33.4

92 17.4 14.2 21.2



#34

Hexachlorobutadiene

Concen: 3.340 ng

RT: 10.640 min Scan# 1370

Delta R.T. 0.002 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

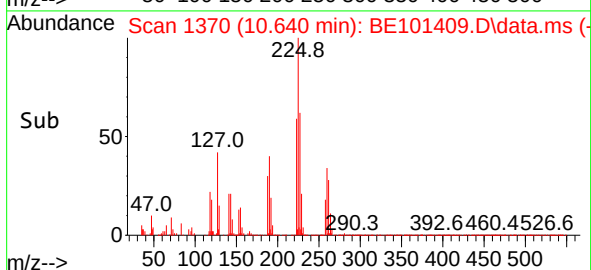
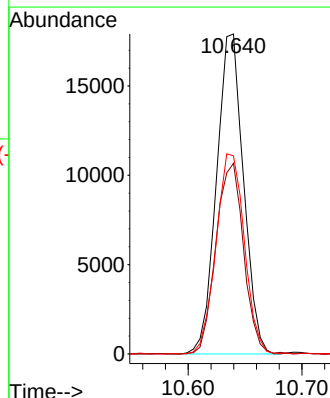
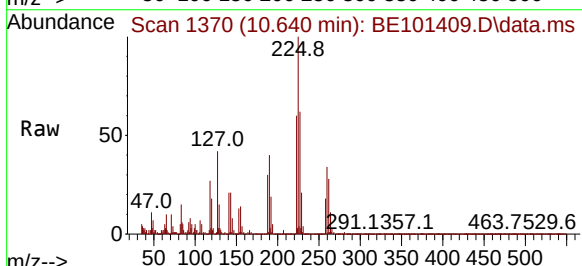
Tgt Ion:225 Resp: 29508

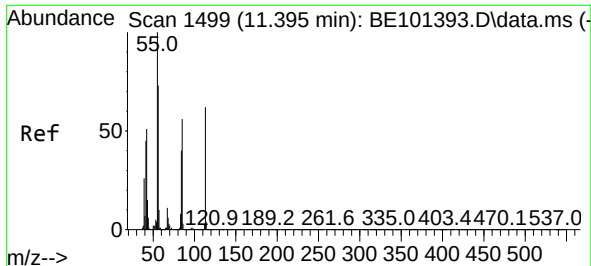
Ion Ratio Lower Upper

225 100

223 59.6 50.5 75.7

227 61.9 51.0 76.6

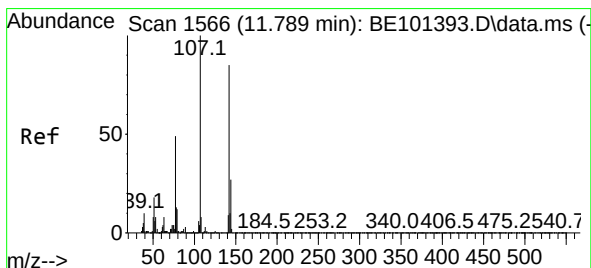
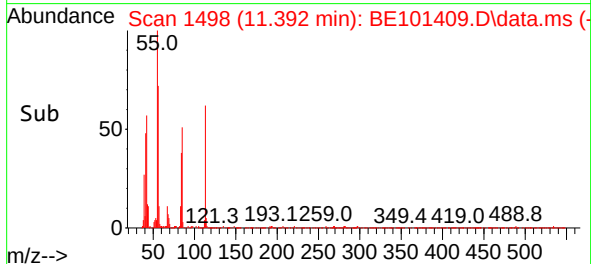
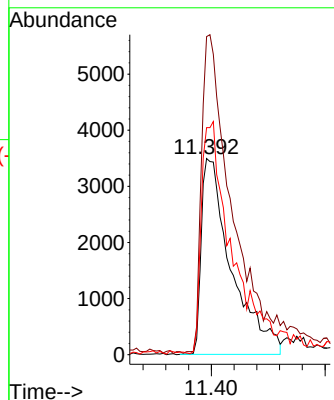
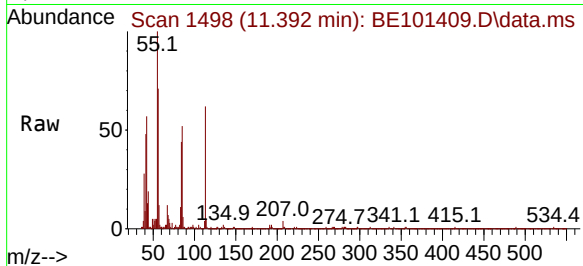




#35
Caprolactam
Concen: 2.441 ng
RT: 11.392 min Scan# 1499
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

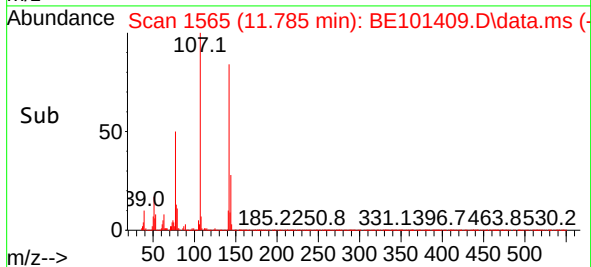
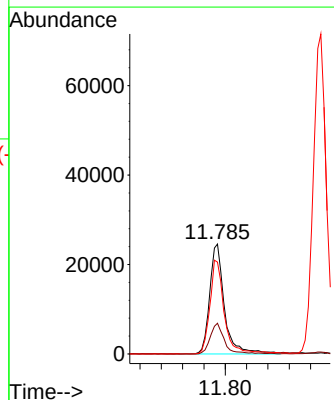
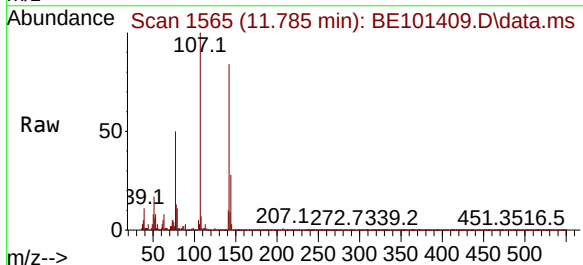
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

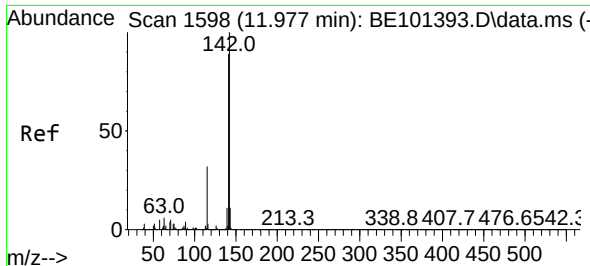
Tgt Ion	Ratio	Lower	Upper
113	100		
55	162.1	141.2	181.2
56	115.7	96.9	136.9



#36
4-Chloro-3-methylphenol
Concen: 3.019 ng
RT: 11.785 min Scan# 1565
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.0	21.9	32.9
142	83.5	68.0	102.0

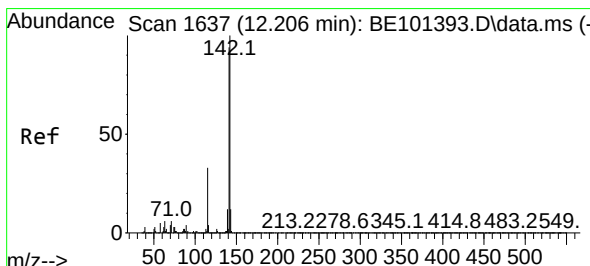
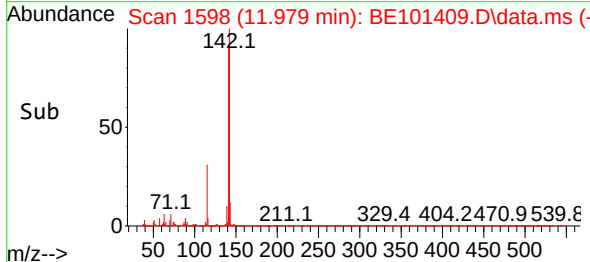
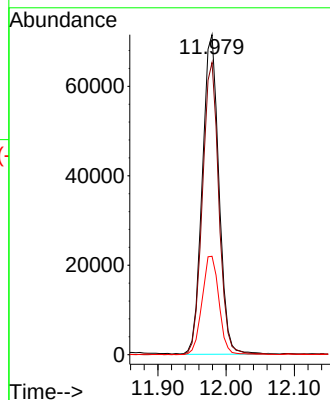
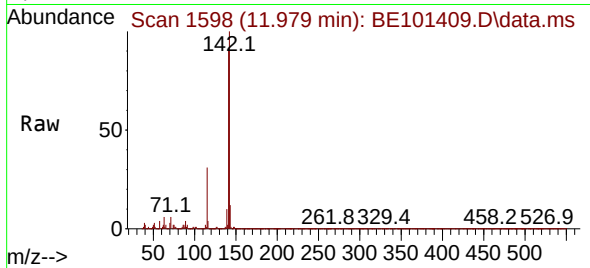




#37
2-Methylnaphthalene
Concen: 3.429 ng
RT: 11.979 min Scan# 11
Delta R.T. 0.002 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

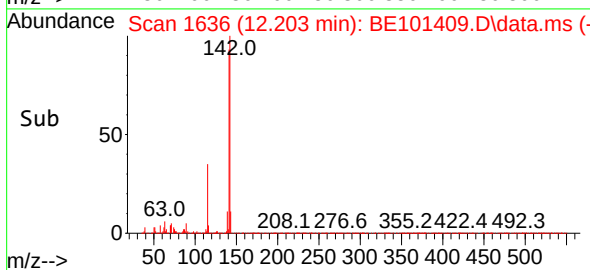
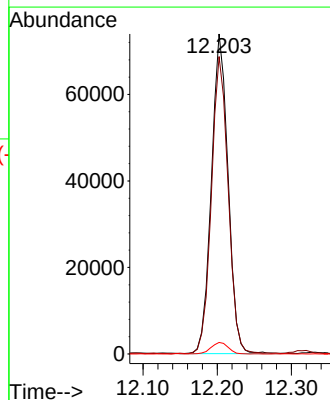
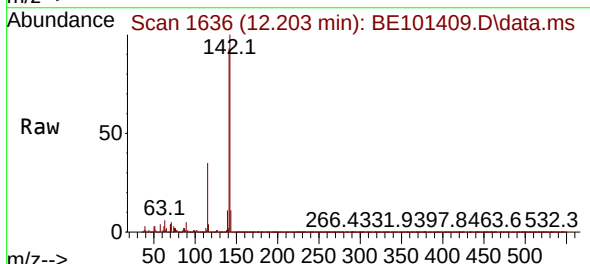
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

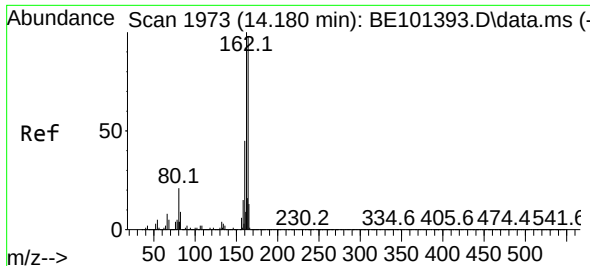
Tgt Ion:142 Resp: 120973
Ion Ratio Lower Upper
142 100
141 91.3 71.4 107.2
115 30.7 25.6 38.4



#38
1-Methylnaphthalene
Concen: 3.273 ng
RT: 12.203 min Scan# 1636
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:142 Resp: 115276
Ion Ratio Lower Upper
142 100
141 92.9 75.0 112.4
116 3.6 2.9 4.3

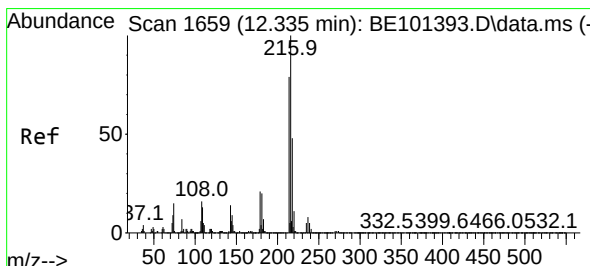
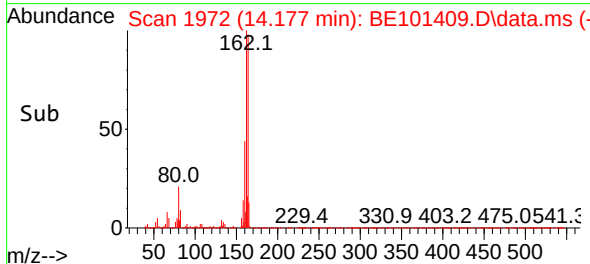
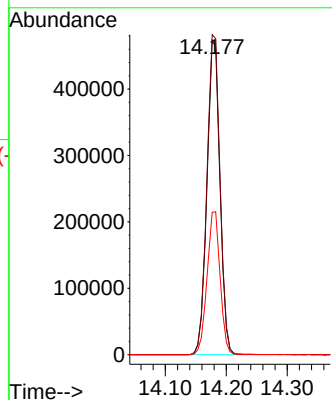
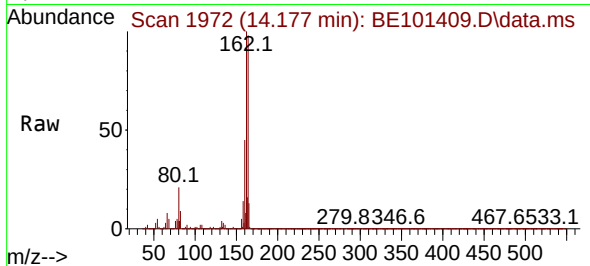




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.177 min Scan# 1973
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

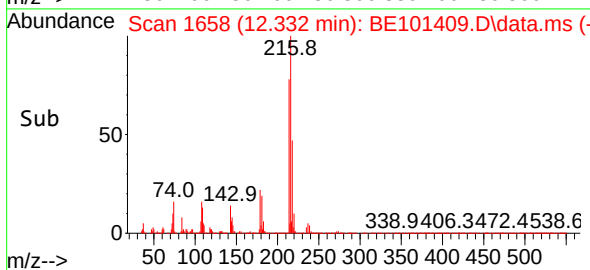
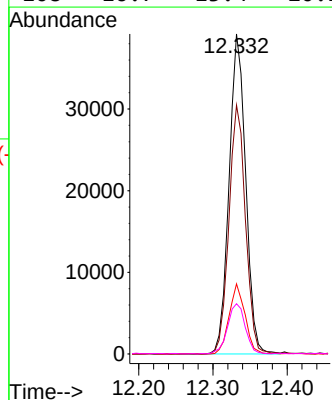
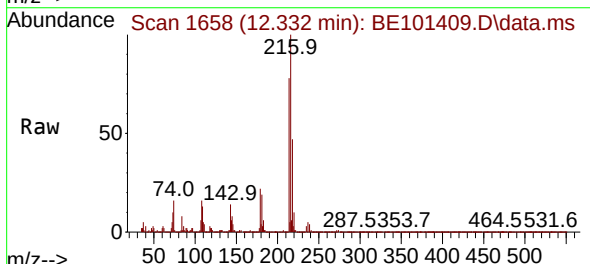
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

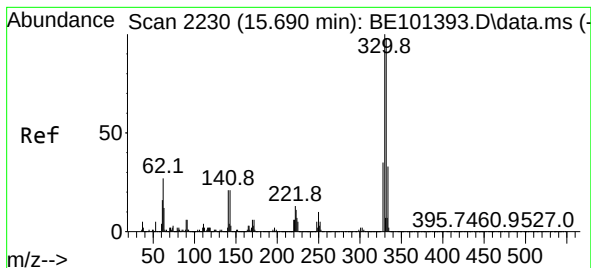
Tgt Ion:164 Resp: 698358
Ion Ratio Lower Upper
164 100
162 101.8 81.3 121.9
160 45.3 36.4 54.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.468 ng
RT: 12.332 min Scan# 1658
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:216 Resp: 60804
Ion Ratio Lower Upper
216 100
214 77.7 63.0 94.4
179 20.9 16.7 25.1
108 16.7 13.4 20.2





#42

2,4,6-Tribromophenol

Concen: 109.260 ng

RT: 15.687 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

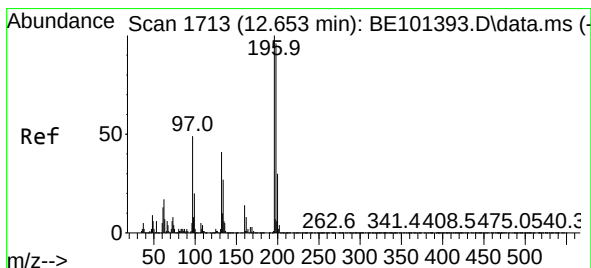
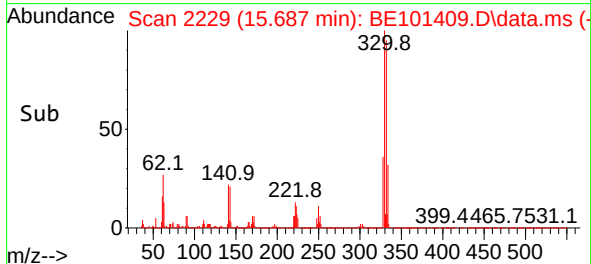
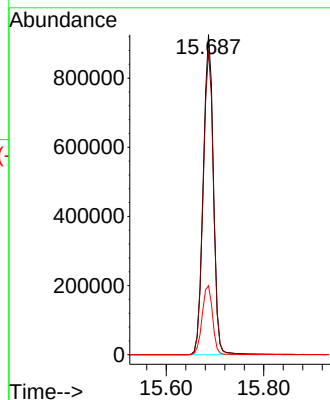
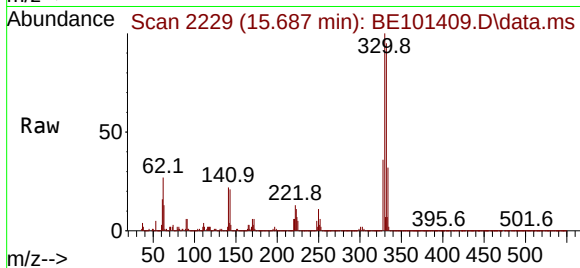
Tgt Ion:330 Resp: 1337339

Ion Ratio Lower Upper

330 100

332 96.0 78.2 117.2

141 22.2 18.3 27.5



#43

2,4,6-Trichlorophenol

Concen: 3.078 ng

RT: 12.649 min Scan# 1712

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

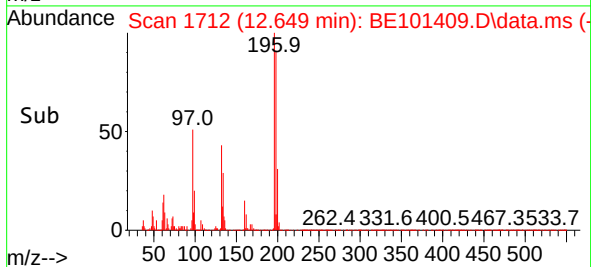
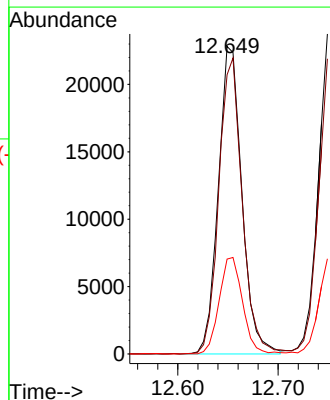
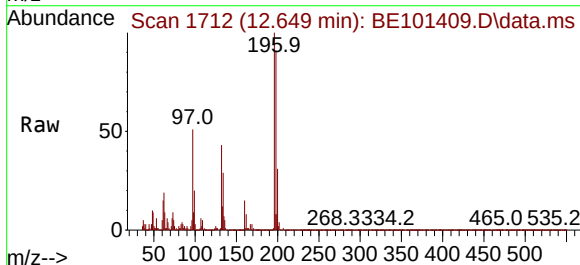
Tgt Ion:196 Resp: 37200

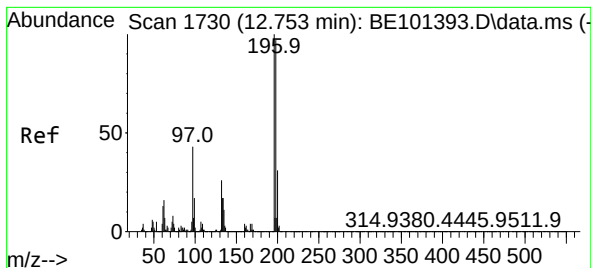
Ion Ratio Lower Upper

196 100

198 90.8 76.6 115.0

200 30.9 24.1 36.1





#44

2,4,5-Trichlorophenol

Concen: 3.024 ng

RT: 12.749 min Scan# 1729

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:196 Resp: 41856

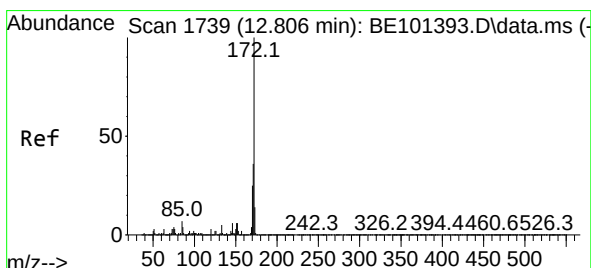
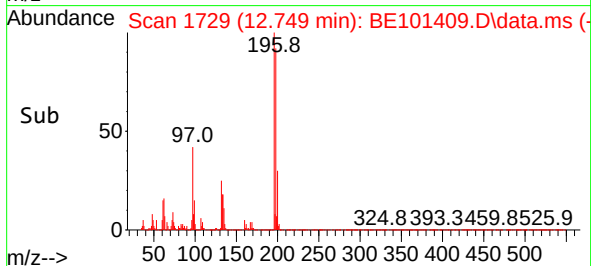
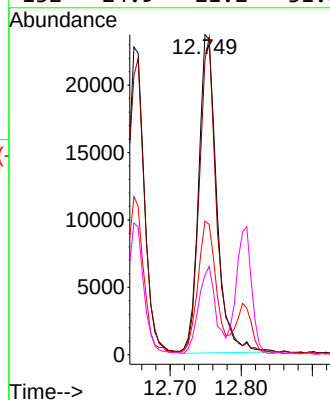
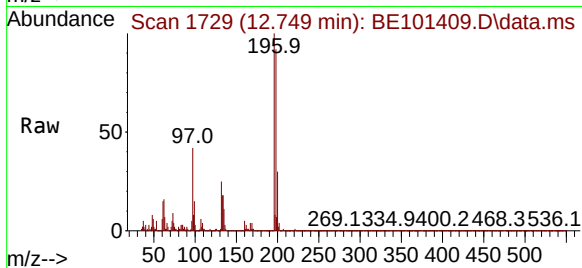
Ion Ratio Lower Upper

196 100

198 92.3 77.4 116.0

97 41.7 34.8 52.2

132 24.9 21.2 31.8



#45

2-Fluorobiphenyl

Concen: 71.330 ng

RT: 12.808 min Scan# 1739

Delta R.T. 0.002 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

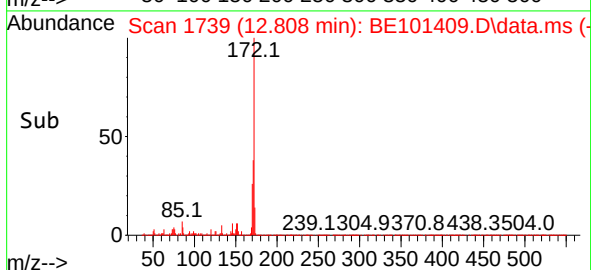
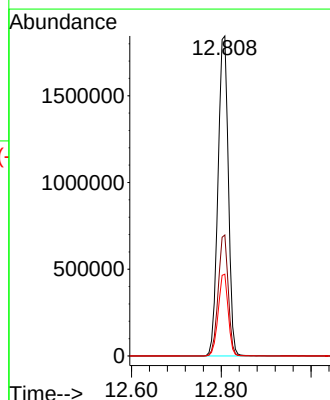
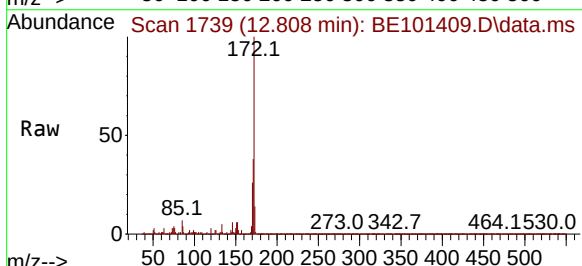
Tgt Ion:172 Resp: 2941416

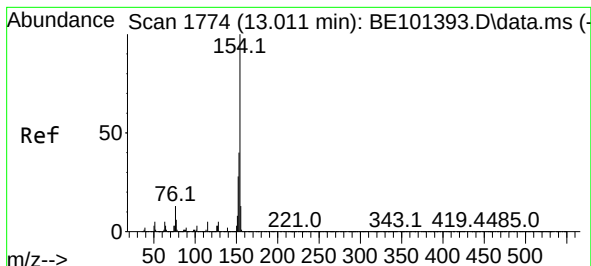
Ion Ratio Lower Upper

172 100

171 37.8 29.2 43.8

170 25.5 19.8 29.6





#46

1,1'-Biphenyl

Concen: 3.708 ng

RT: 13.007 min Scan# 1773

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

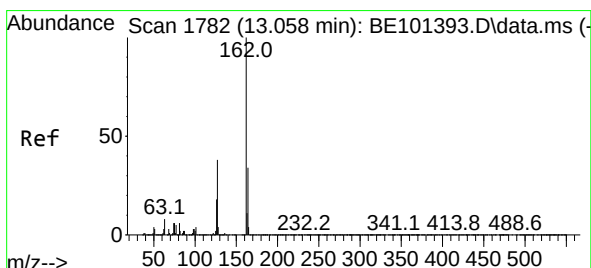
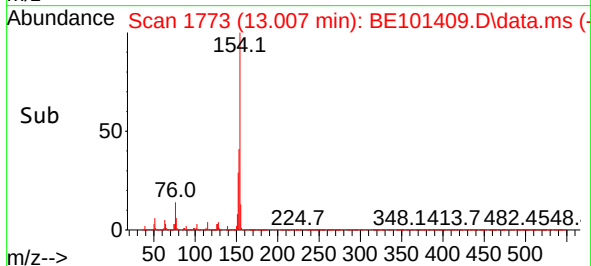
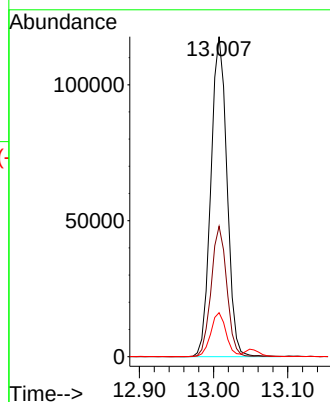
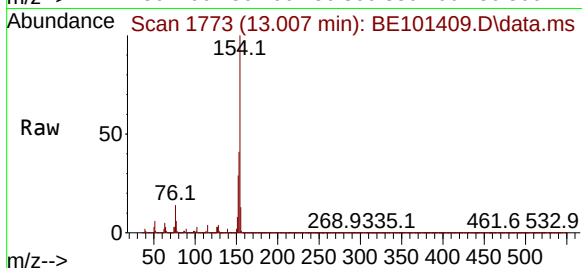
Tgt Ion:154 Resp: 177393

Ion Ratio Lower Upper

154 100

153 40.7 20.3 60.3

76 13.7 0.0 32.6



#47

2-Chloronaphthalene

Concen: 3.369 ng

RT: 13.055 min Scan# 1781

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

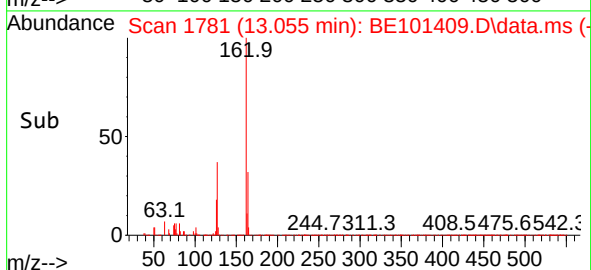
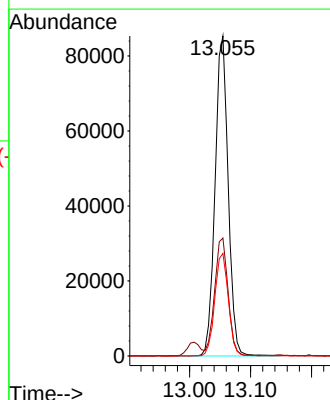
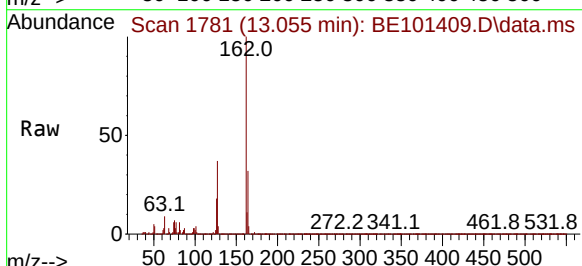
Tgt Ion:162 Resp: 127367

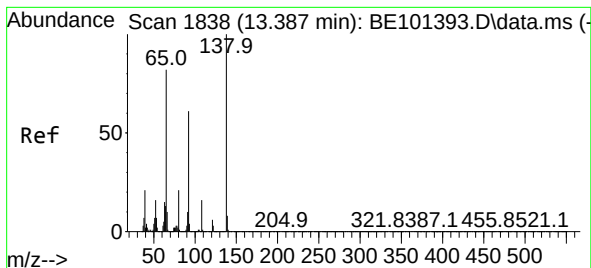
Ion Ratio Lower Upper

162 100

127 36.9 30.4 45.6

164 32.1 27.0 40.6





#48

2-Nitroaniline

Concen: 2.800 ng

RT: 13.384 min Scan# 1837

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

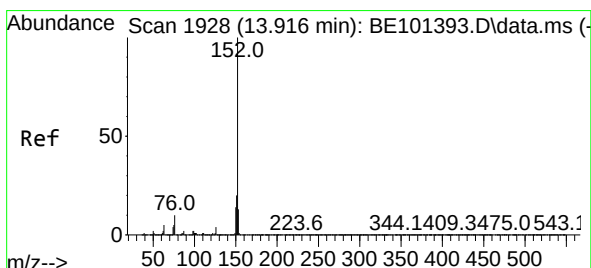
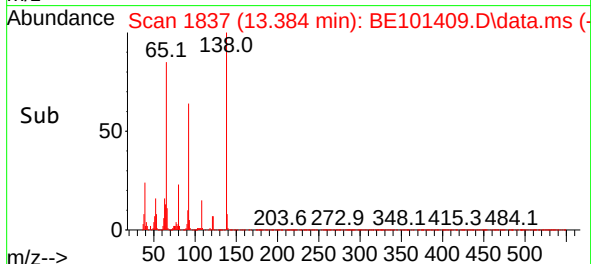
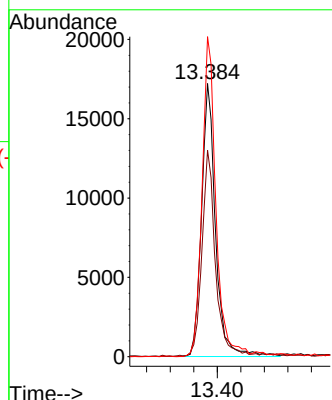
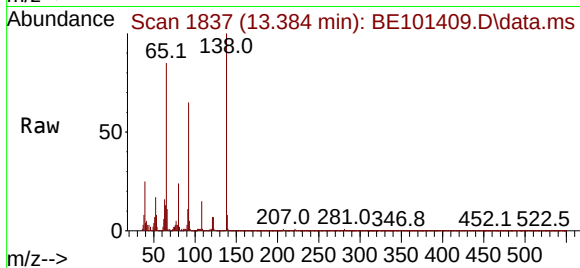
Tgt Ion: 65 Resp: 28481

Ion Ratio Lower Upper

65 100

92 75.6 59.0 88.4

138 117.1 97.4 146.0



#49

Acenaphthylene

Concen: 3.622 ng

RT: 13.912 min Scan# 1927

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

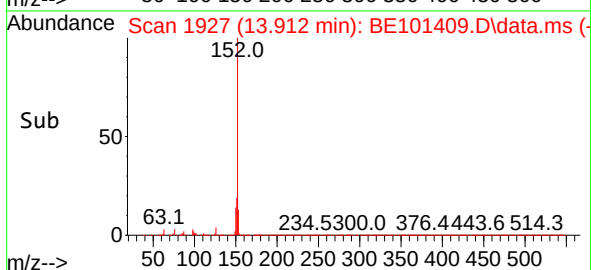
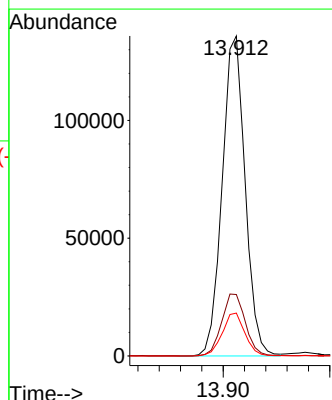
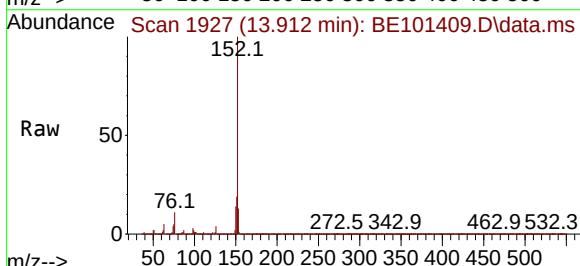
Tgt Ion:152 Resp: 202488

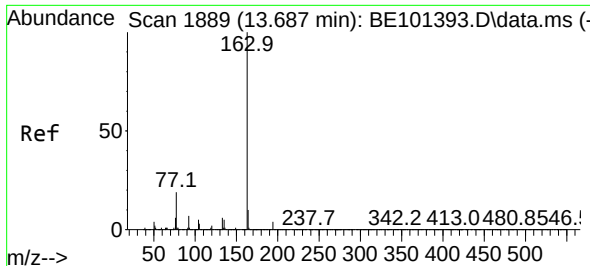
Ion Ratio Lower Upper

152 100

151 19.2 16.2 24.4

153 13.4 10.5 15.7

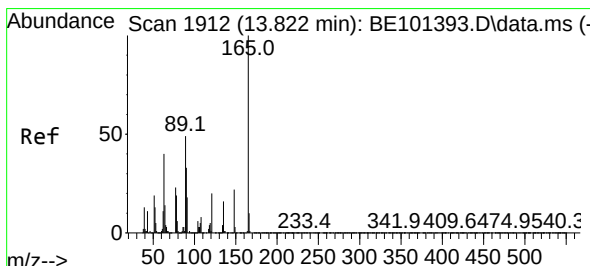
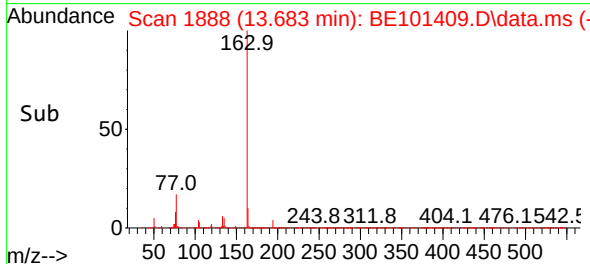
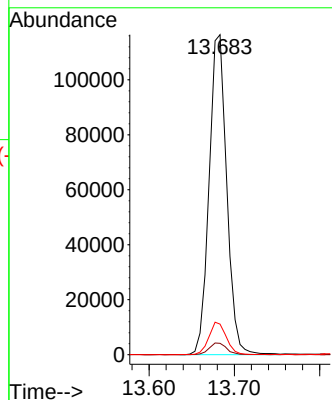
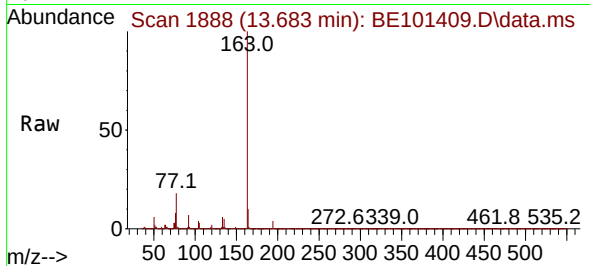




#50
Dimethylphthalate
Concen: 3.392 ng
RT: 13.683 min Scan# 1888
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

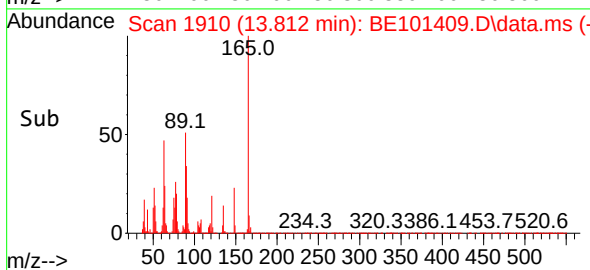
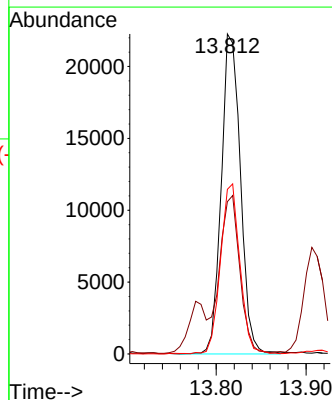
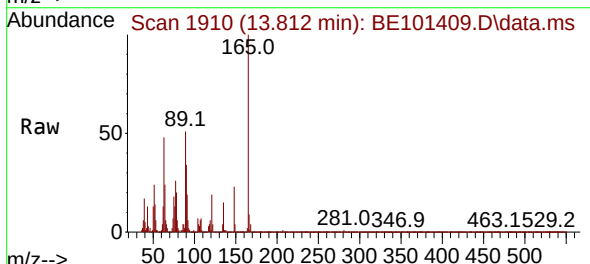
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

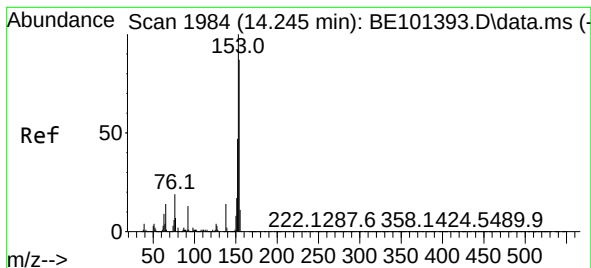
Tgt Ion:163 Resp: 167221
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 9.6 8.4 12.6



#51
2,6-Dinitrotoluene
Concen: 2.901 ng
RT: 13.812 min Scan# 1910
Delta R.T. -0.010 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:165 Resp: 33013
Ion Ratio Lower Upper
165 100
63 47.6 38.0 57.0
89 51.4 39.5 59.3





#52

Acenaphthene

Concen: 3.394 ng

RT: 14.241 min Scan# 1984

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

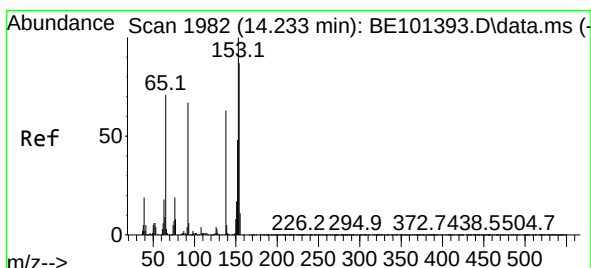
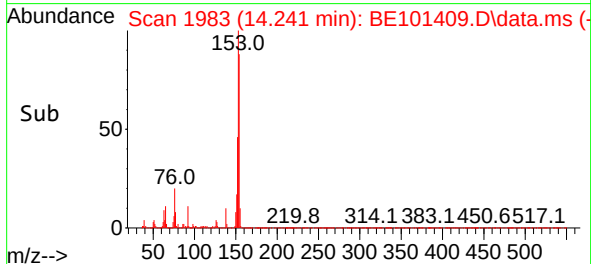
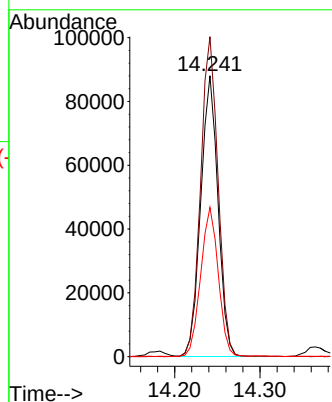
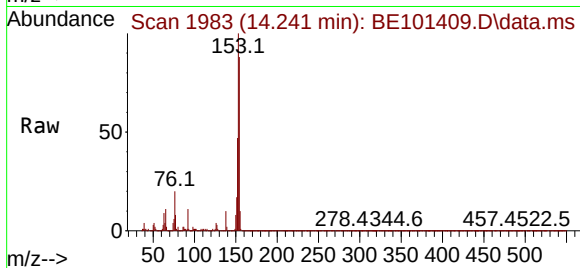
Tgt Ion:154 Resp: 123885

Ion Ratio Lower Upper

154 100

153 113.9 91.8 137.6

152 53.1 43.1 64.7



#53

3-Nitroaniline

Concen: 2.965 ng

RT: 14.230 min Scan# 1981

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

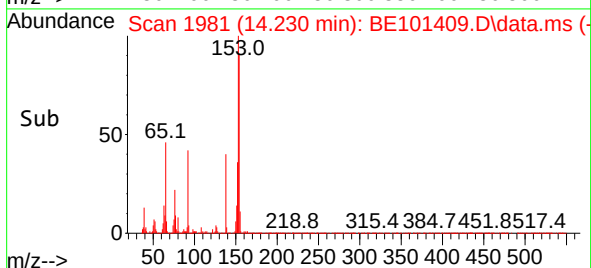
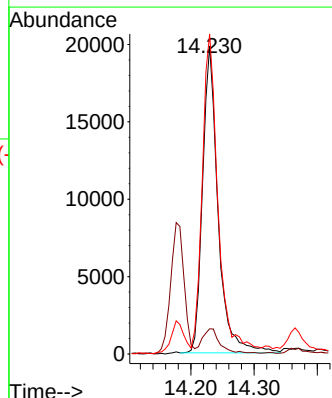
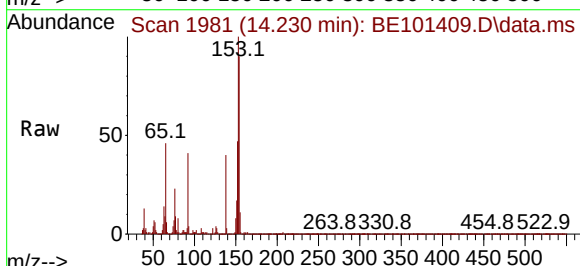
Tgt Ion:138 Resp: 33551

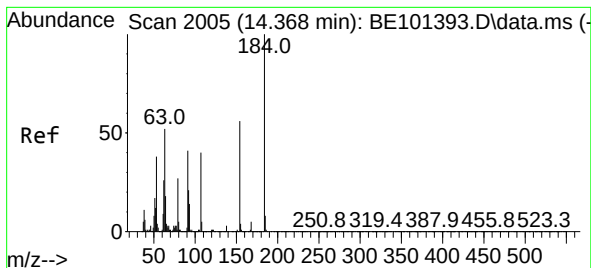
Ion Ratio Lower Upper

138 100

108 8.1 7.1 10.7

92 103.9 84.4 126.6





#54

2,4-Dinitrophenol

Concen: 6.843 ng

RT: 14.365 min Scan# 2005

Delta R.T. -0.003 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

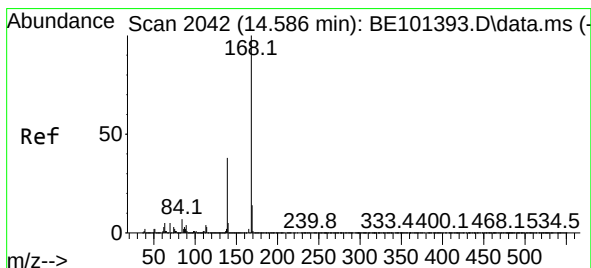
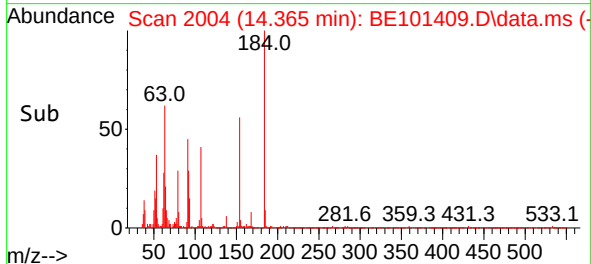
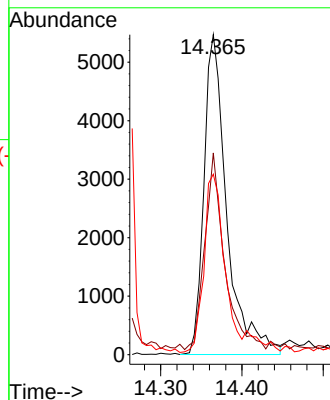
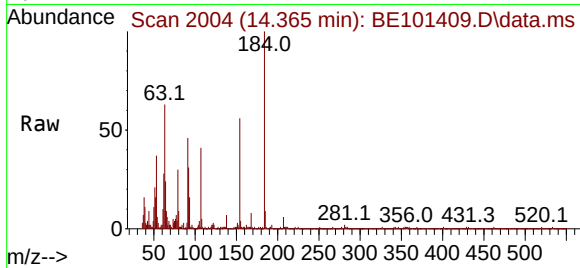
Tgt Ion:184 Resp: 10668

Ion Ratio Lower Upper

184 100

63 63.1 41.8 62.6#

154 56.4 44.9 67.3



#55

Dibenzofuran

Concen: 3.555 ng

RT: 14.582 min Scan# 2041

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

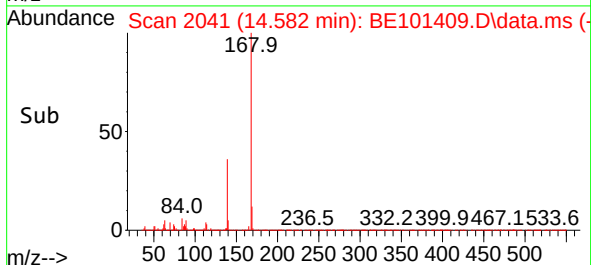
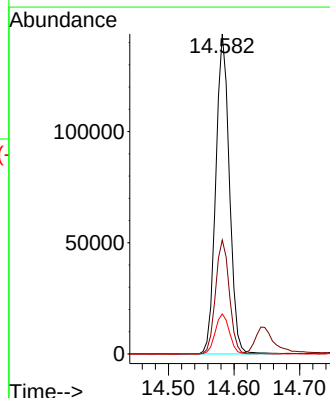
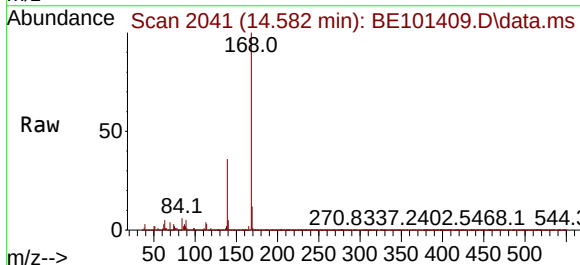
Tgt Ion:168 Resp: 206817

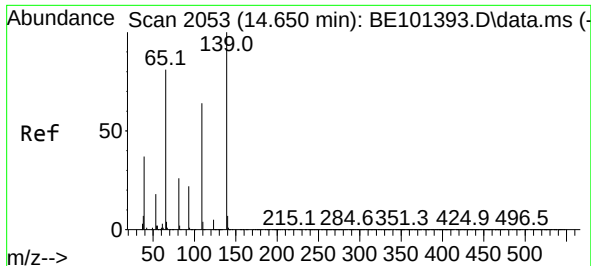
Ion Ratio Lower Upper

168 100

139 35.6 30.2 45.4

169 12.5 11.0 16.4

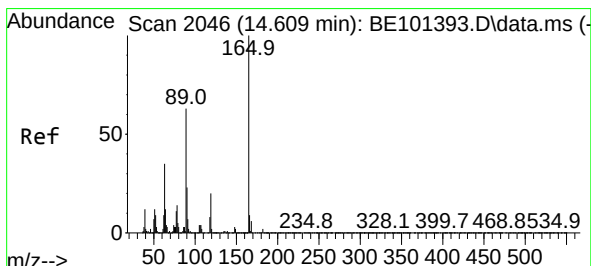
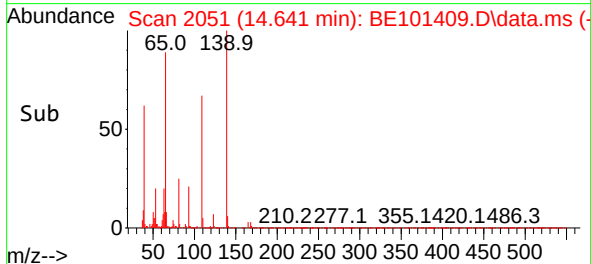
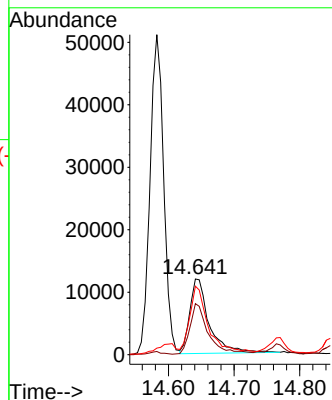
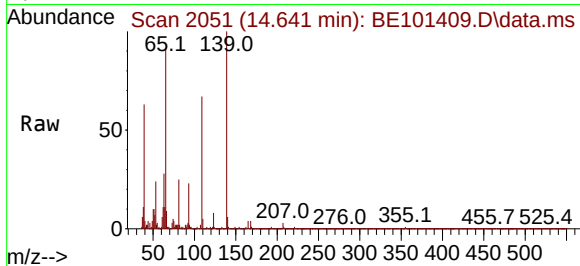




#56
4-Nitrophenol
Concen: 2.352 ng
RT: 14.641 min Scan# 2051
Delta R.T. -0.009 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

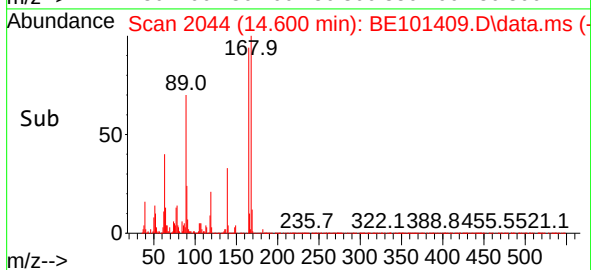
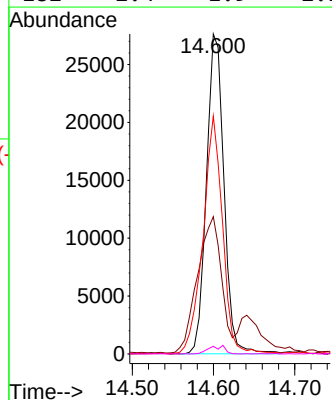
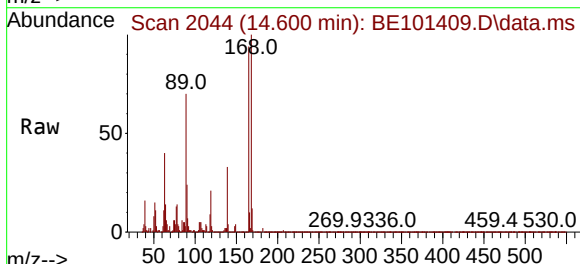
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

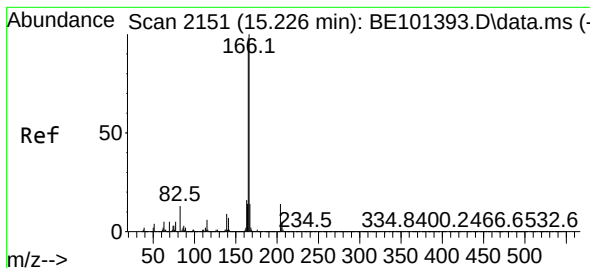
Tgt Ion:139 Resp: 24374
Ion Ratio Lower Upper
139 100
109 67.4 42.4 82.4
65 90.6 63.4 103.4



#57
2,4-Dinitrotoluene
Concen: 2.636 ng
RT: 14.600 min Scan# 2044
Delta R.T. -0.010 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:165 Resp: 41305
Ion Ratio Lower Upper
165 100
63 42.9 28.6 42.8#
89 74.4 50.8 76.2
182 2.4 1.9 2.9





#58

Fluorene

Concen: 3.384 ng

RT: 15.223 min Scan# 2151

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

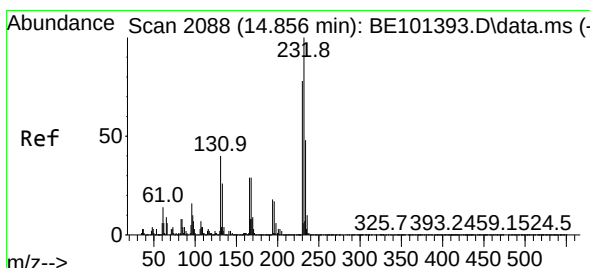
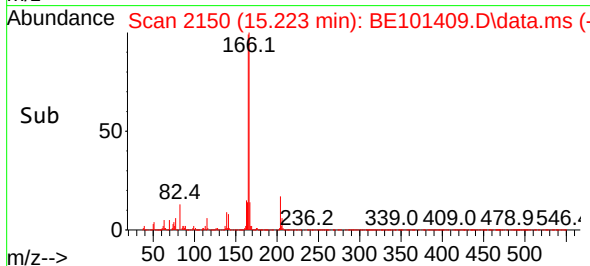
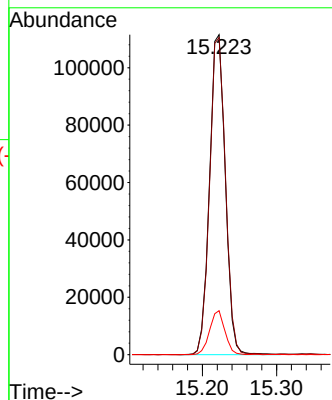
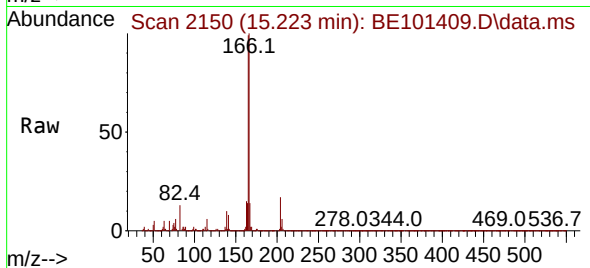
Tgt Ion:166 Resp: 164697

Ion Ratio Lower Upper

166 100

165 99.1 78.7 118.1

167 13.8 11.0 16.4



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.277 ng

RT: 14.847 min Scan# 2086

Delta R.T. -0.010 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Tgt Ion:232 Resp: 41907

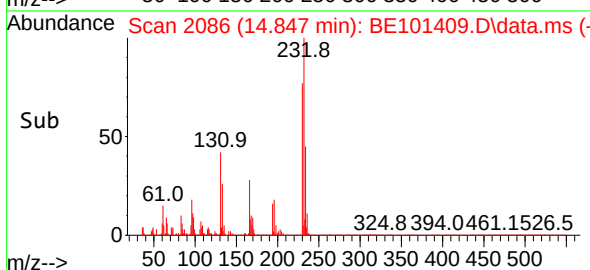
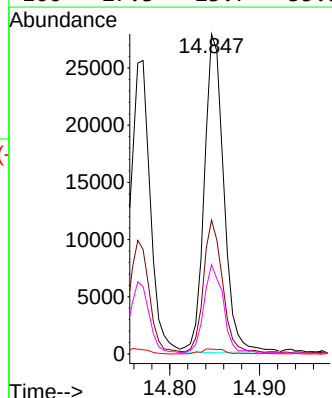
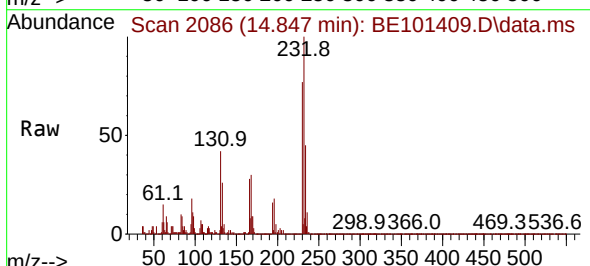
Ion Ratio Lower Upper

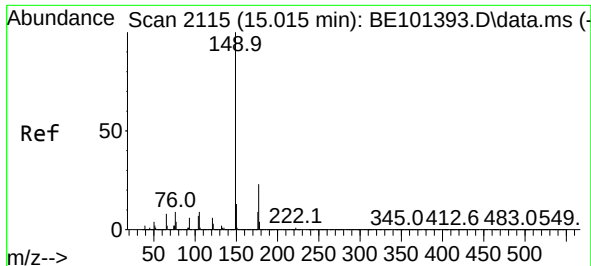
232 100

131 41.0 33.5 50.3

130 2.0 1.6 2.4

166 27.3 23.7 35.5

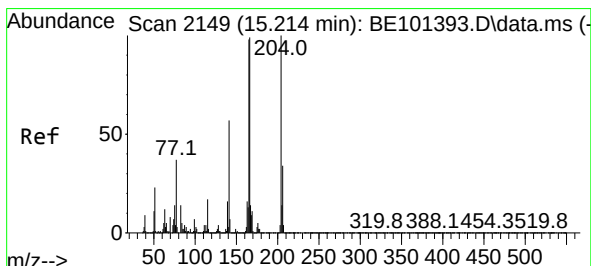
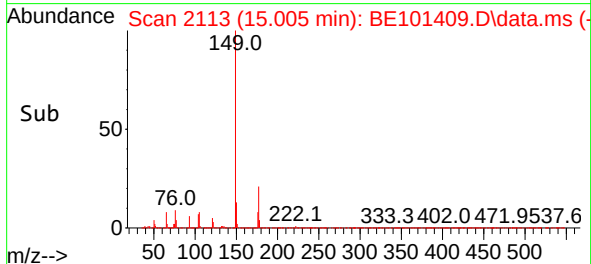
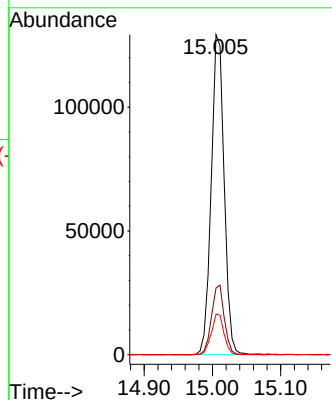
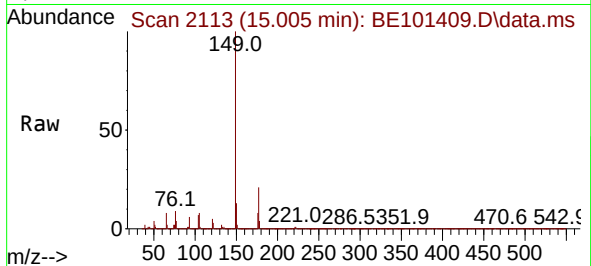




#60
Diethylphthalate
Concen: 3.312 ng
RT: 15.005 min Scan# 2113
Delta R.T. -0.010 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

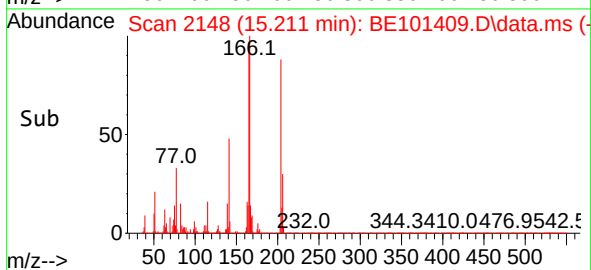
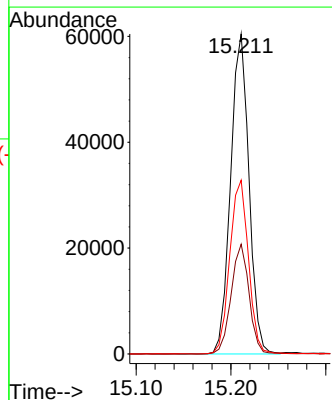
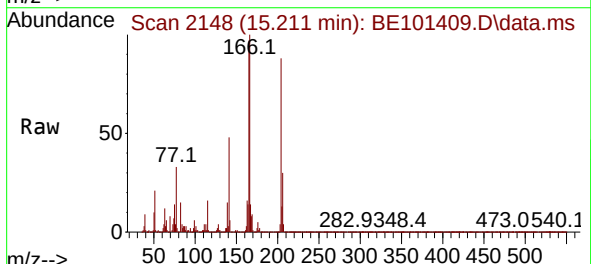
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

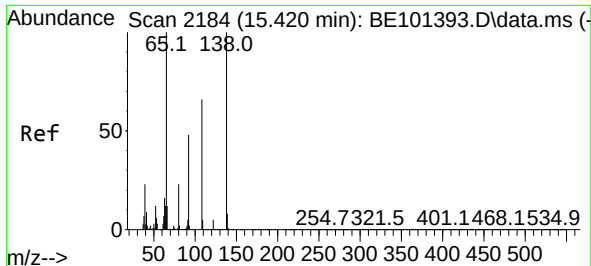
Tgt Ion:149 Resp: 170764
Ion Ratio Lower Upper
149 100
177 20.9 18.0 27.0
150 12.7 10.3 15.5



#61
4-Chlorophenyl-phenylether
Concen: 3.355 ng
RT: 15.211 min Scan# 2148
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:204 Resp: 81029
Ion Ratio Lower Upper
204 100
206 34.3 26.9 40.3
141 54.3 45.9 68.9

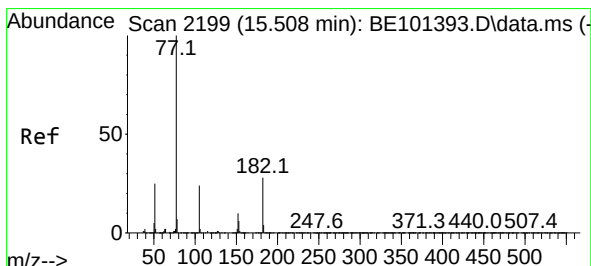
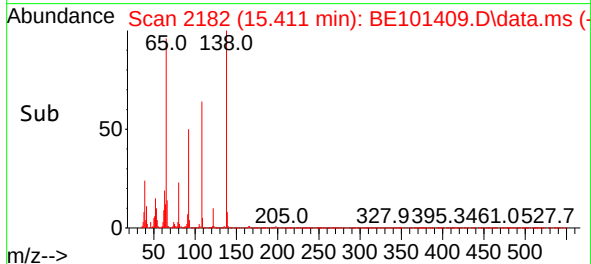
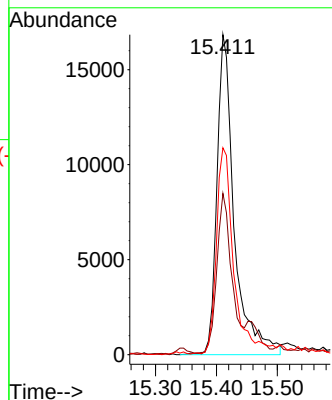
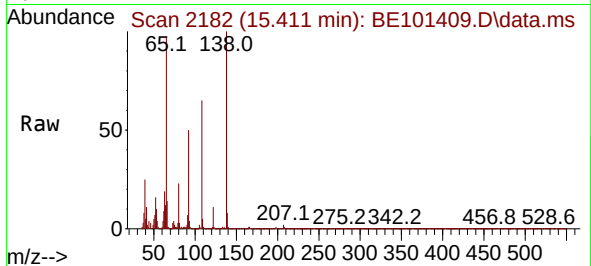




#62
4-Nitroaniline
Concen: 2.633 ng
RT: 15.411 min Scan# 2182
Delta R.T. -0.010 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

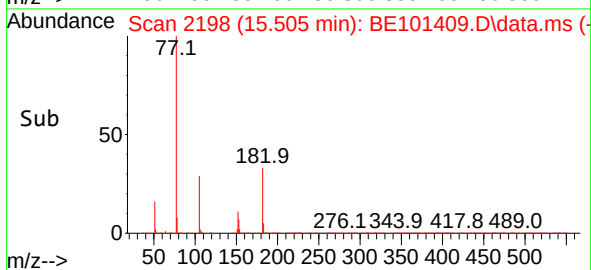
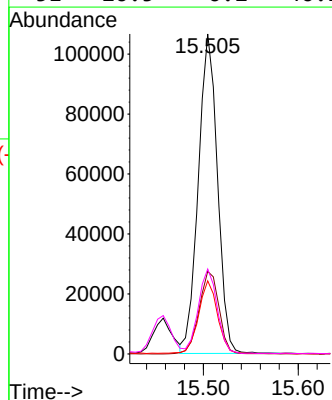
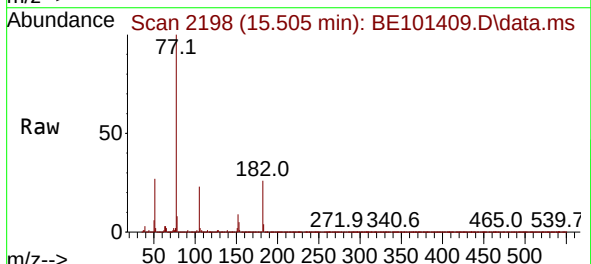
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

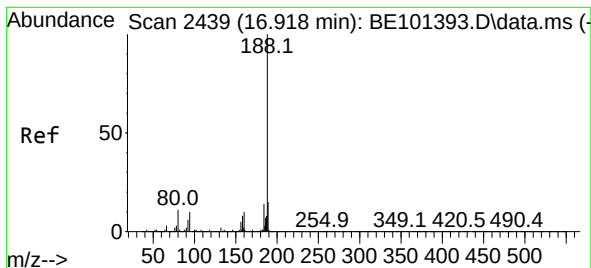
Tgt Ion:138	Resp:	33151
Ion Ratio	Lower	Upper
138	100	
92	50.4	28.7 68.7
108	64.6	46.5 86.5



#63
Azobenzene
Concen: 3.374 ng
RT: 15.505 min Scan# 2198
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion: 77	Resp:	149543
Ion Ratio	Lower	Upper
77	100	
182	25.8	7.6 47.6
105	22.8	3.2 43.2
51	26.5	6.2 46.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.915 min Scan# 2439

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

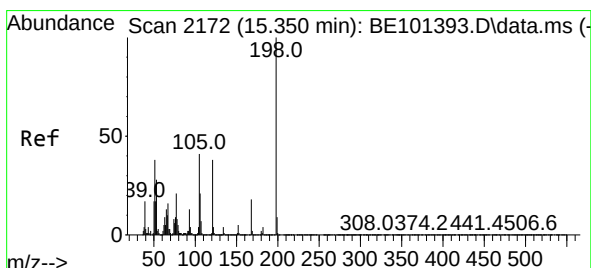
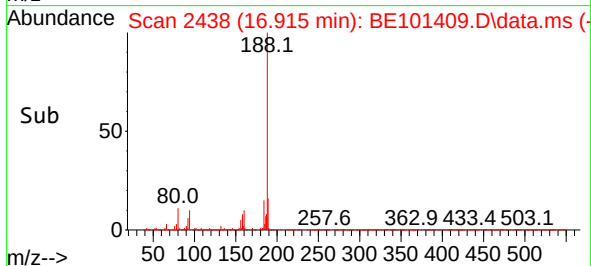
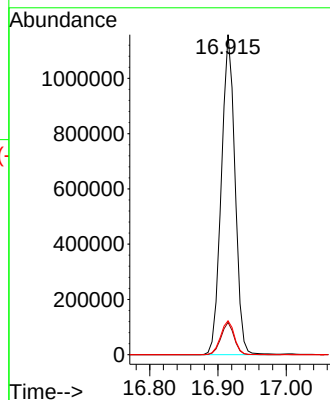
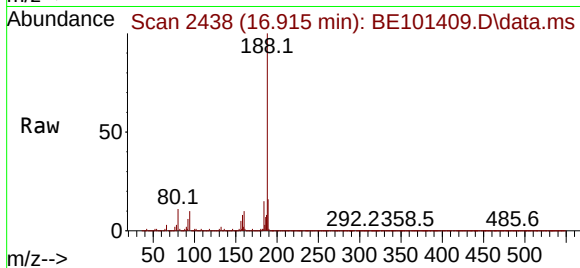
Tgt Ion:188 Resp: 1618175

Ion Ratio Lower Upper

188 100

94 10.1 7.8 11.8

80 10.6 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 2.011 ng

RT: 15.346 min Scan# 2171

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

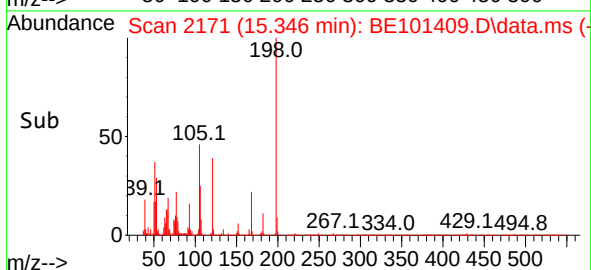
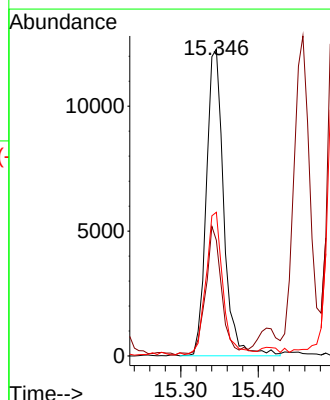
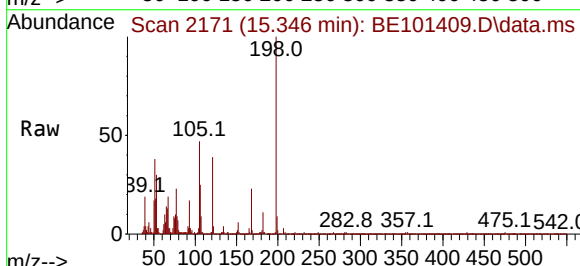
Tgt Ion:198 Resp: 19124

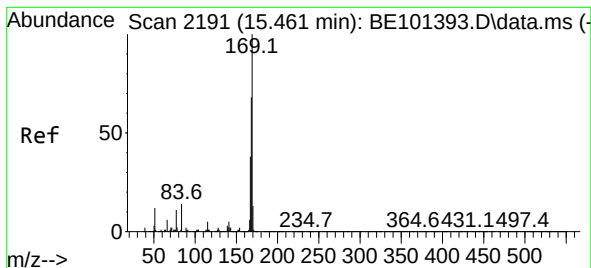
Ion Ratio Lower Upper

198 100

51 37.7 18.2 58.2

105 46.8 21.5 61.5





#66

n-Nitrosodiphenylamine

Concen: 3.390 ng

RT: 15.458 min Scan# 2191

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

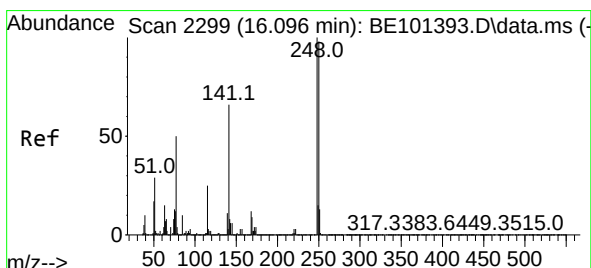
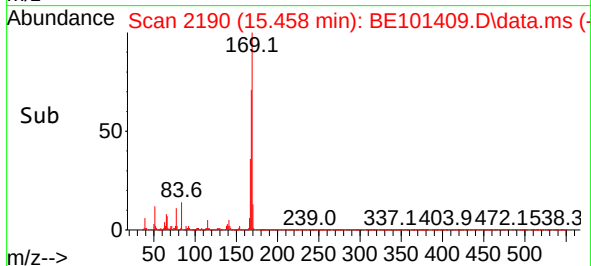
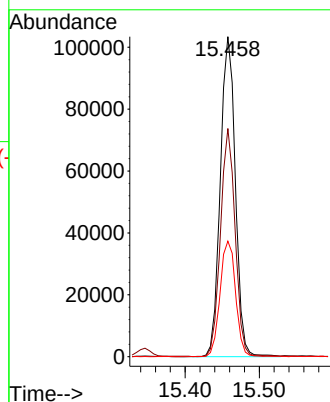
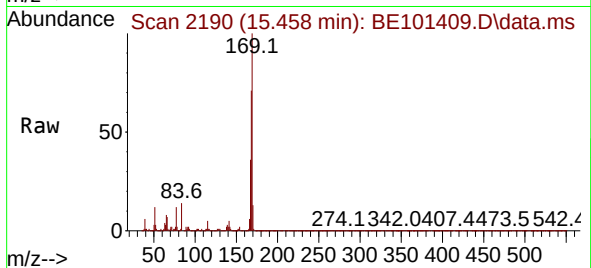
Tgt Ion:169 Resp: 145472

Ion Ratio Lower Upper

169 100

168 71.3 54.5 81.7

167 36.1 30.4 45.6



#67

4-Bromophenyl-phenylether

Concen: 3.340 ng

RT: 16.092 min Scan# 2298

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

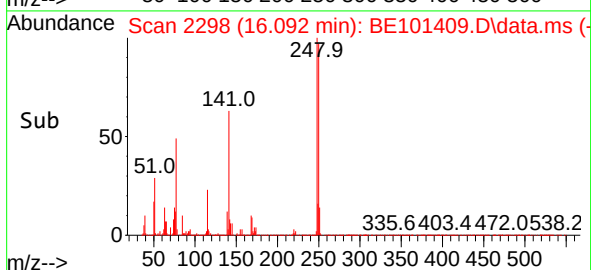
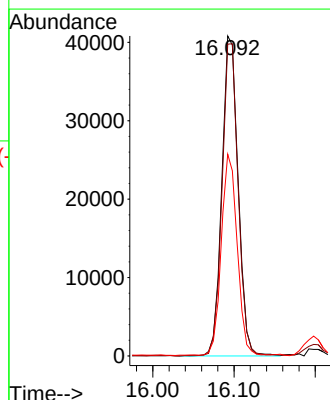
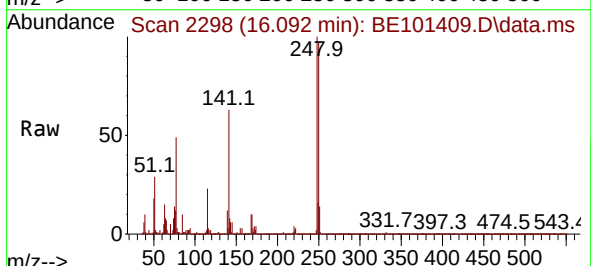
Tgt Ion:248 Resp: 56845

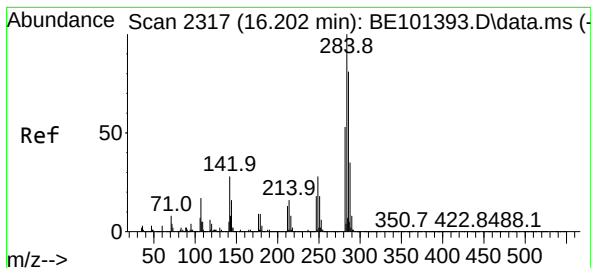
Ion Ratio Lower Upper

248 100

250 97.5 78.2 117.2

141 63.1 53.0 79.4





#68

Hexachlorobenzene

Concen: 3.270 ng

RT: 16.198 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

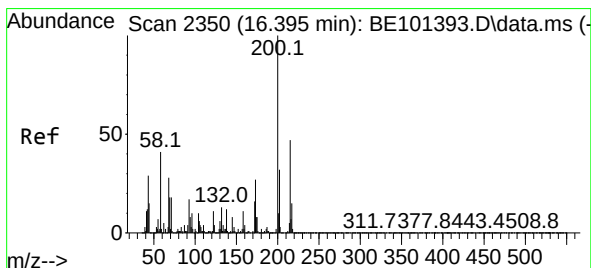
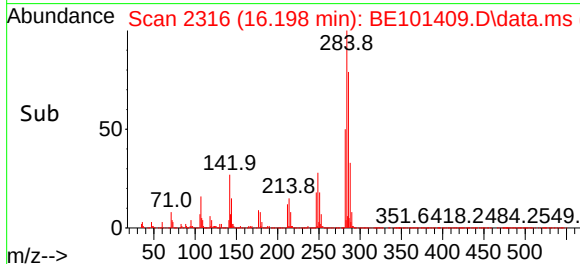
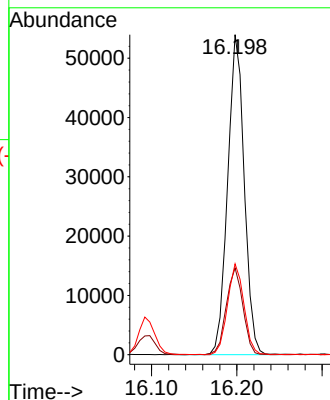
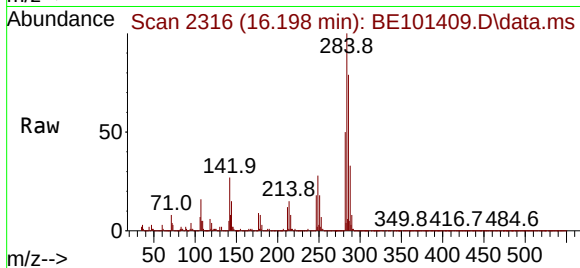
Tgt Ion:284 Resp: 72966

Ion Ratio Lower Upper

284 100

142 27.1 22.2 33.2

249 28.4 22.8 34.2



#69

Atrazine

Concen: 4.094 ng

RT: 16.386 min Scan# 2348

Delta R.T. -0.009 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

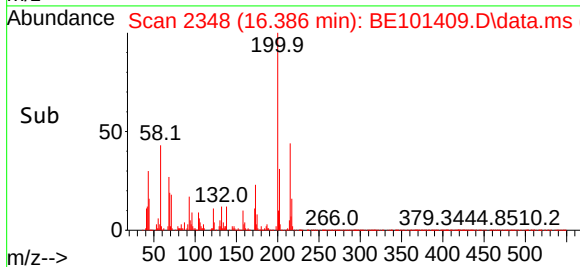
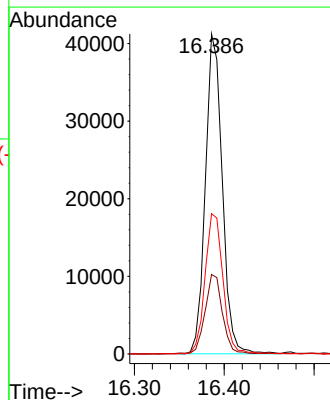
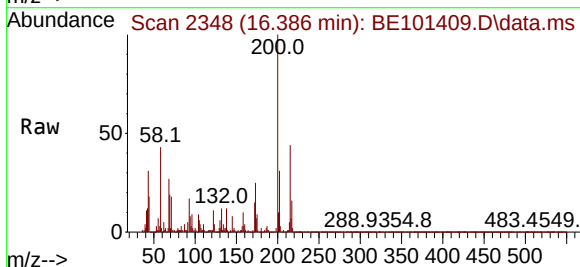
Tgt Ion:200 Resp: 53860

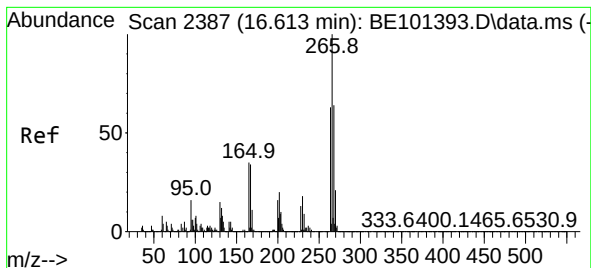
Ion Ratio Lower Upper

200 100

173 24.8 7.0 47.0

215 43.8 27.3 67.3





#70

Pentachlorophenol

Concen: 2.528 ng

RT: 16.609 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

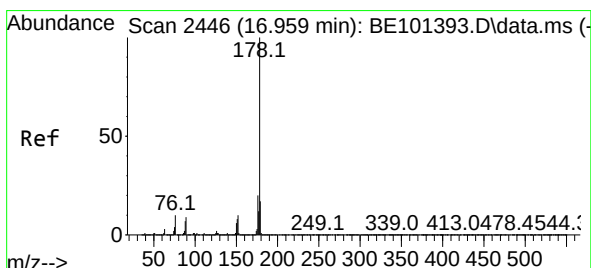
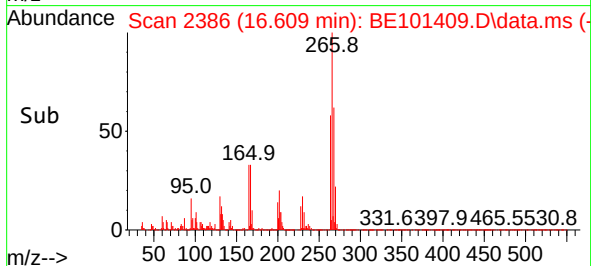
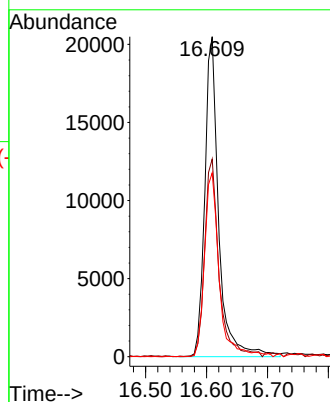
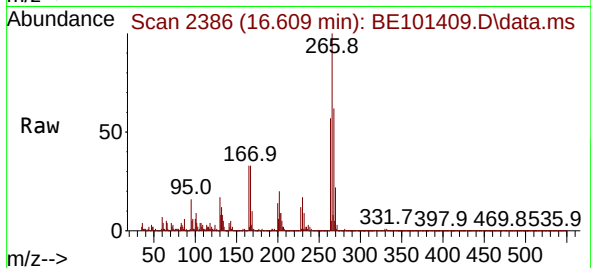
Tgt Ion:266 Resp: 32468

Ion Ratio Lower Upper

266 100

268 61.7 51.5 77.3

264 57.5 50.7 76.1



#71

Phenanthrene

Concen: 3.705 ng

RT: 16.956 min Scan# 2445

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

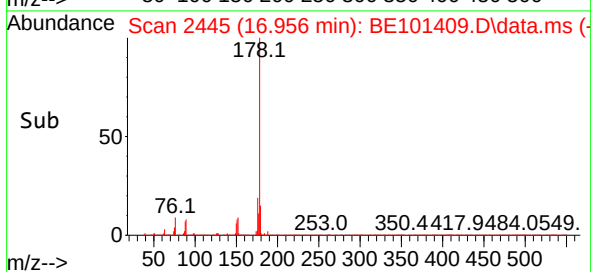
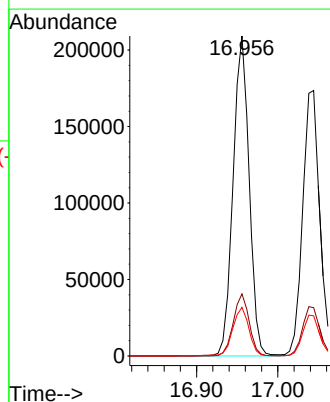
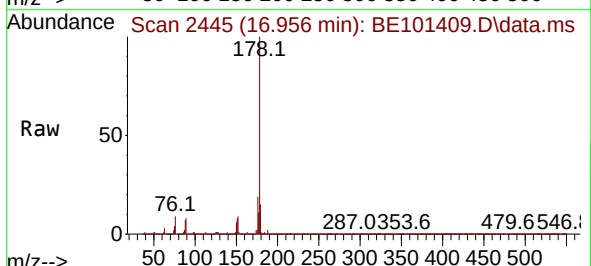
Tgt Ion:178 Resp: 287062

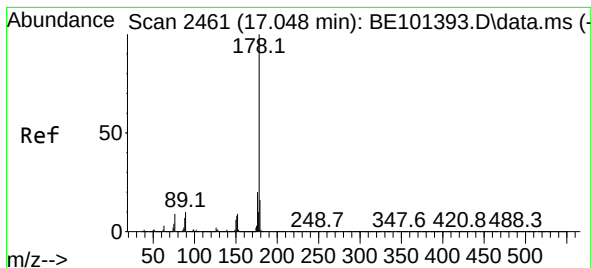
Ion Ratio Lower Upper

178 100

176 19.4 16.4 24.6

179 15.2 13.2 19.8





#72

Anthracene

Concen: 3.425 ng

RT: 17.044 min Scan# 2461

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

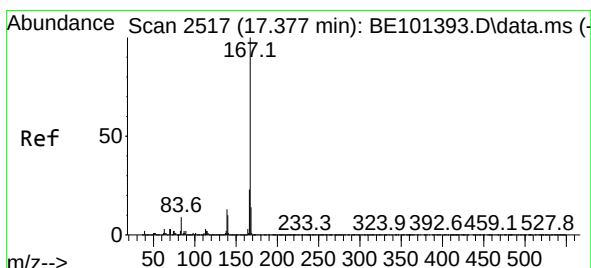
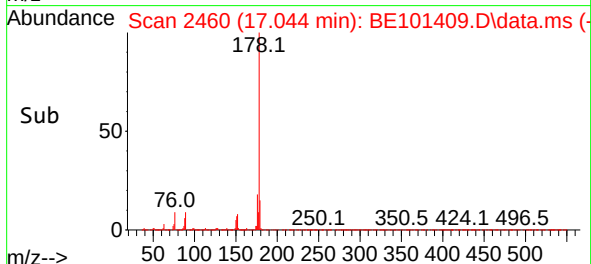
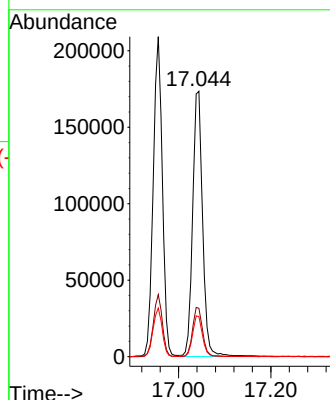
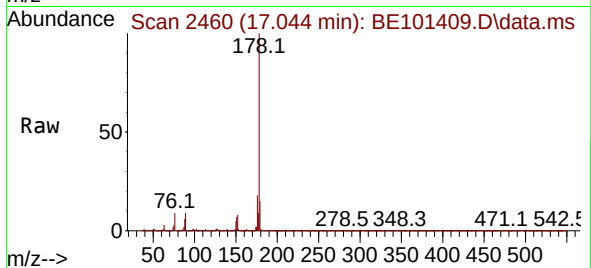
Tgt Ion:178 Resp: 259126

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

179 15.2 13.1 19.7



#73

Carbazole

Concen: 3.449 ng

RT: 17.367 min Scan# 2515

Delta R.T. -0.010 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

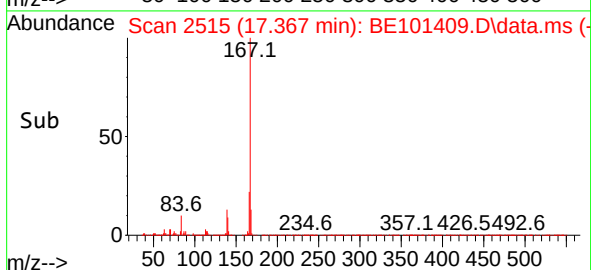
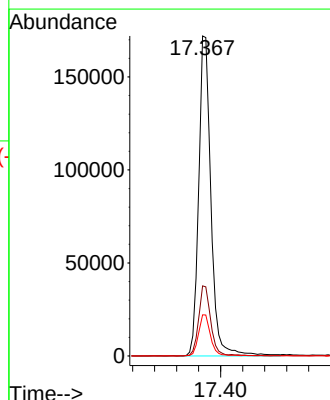
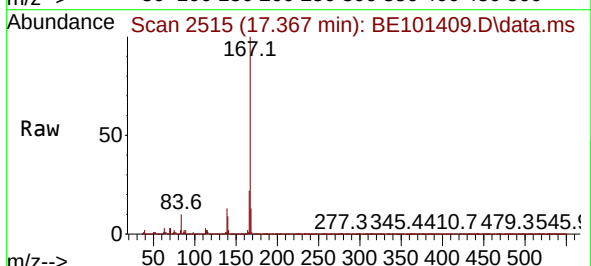
Tgt Ion:167 Resp: 266997

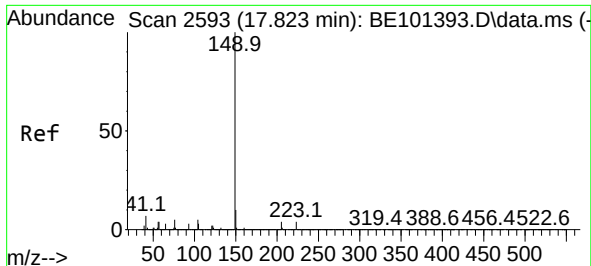
Ion Ratio Lower Upper

167 100

166 21.9 18.3 27.5

139 12.8 10.8 16.2

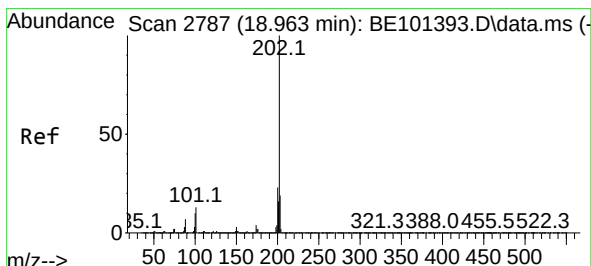
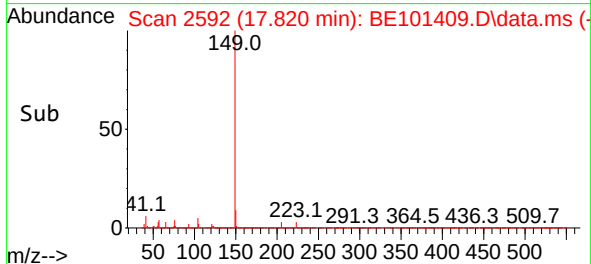
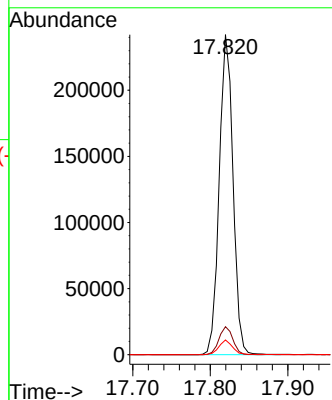
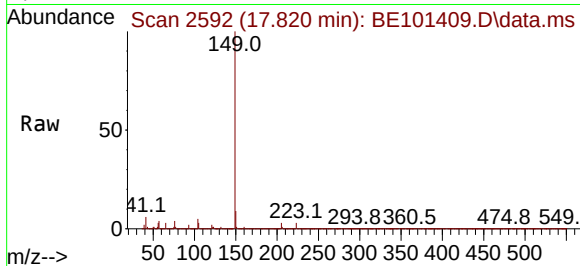




#74
Di-n-butylphthalate
Concen: 3.499 ng
RT: 17.820 min Scan# 21
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

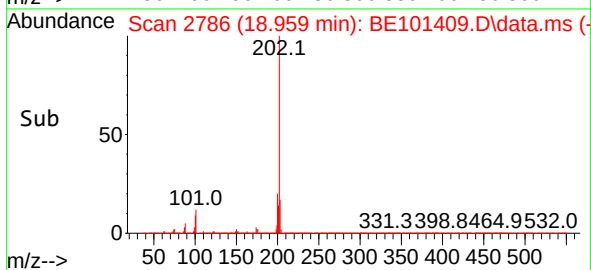
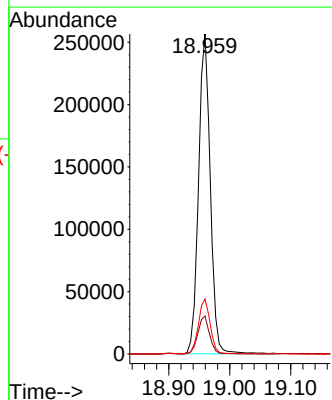
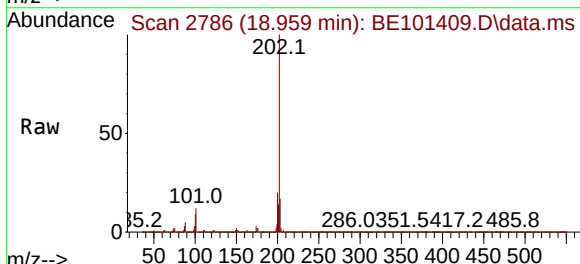
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

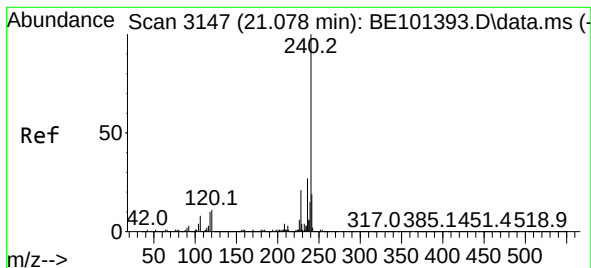
Tgt Ion:149 Resp: 298203
Ion Ratio Lower Upper
149 100
150 8.8 8.2 12.4
104 4.6 3.9 5.9



#75
Fluoranthene
Concen: 3.649 ng
RT: 18.959 min Scan# 2786
Delta R.T. -0.004 min
Lab File: BE101409.D
Acq: 29 Oct 2024 16:20

Tgt Ion:202 Resp: 343330
Ion Ratio Lower Upper
202 100
101 11.9 0.0 33.3
203 17.2 0.0 39.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.075 min Scan# 3147

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

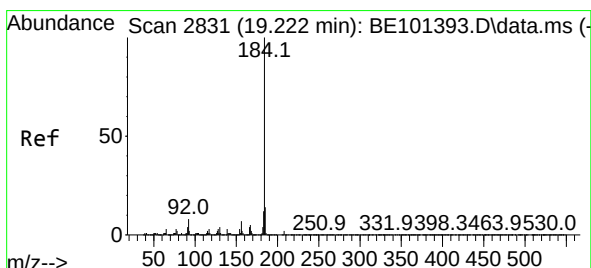
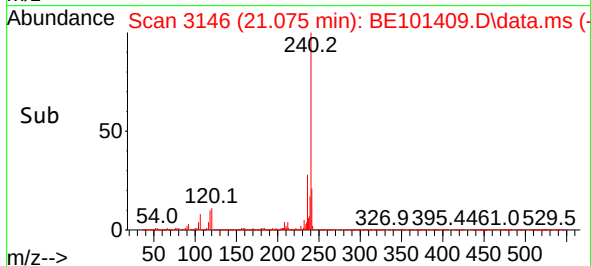
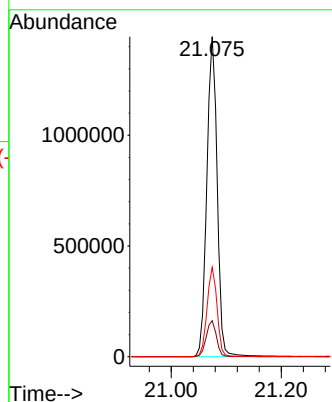
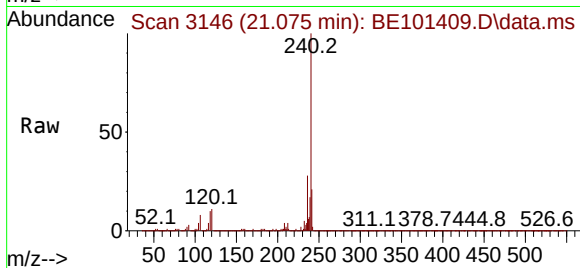
Tgt Ion:240 Resp: 1883551

Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.4

236 28.0 21.4 32.0



#77

Benzidine

Concen: 2.812 ng

RT: 19.218 min Scan# 2830

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

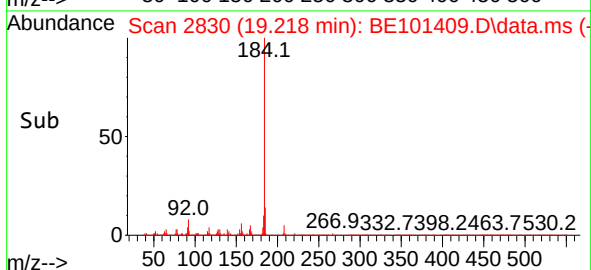
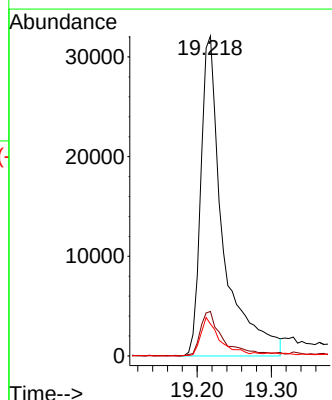
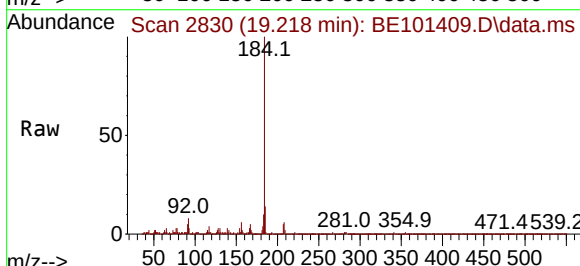
Tgt Ion:184 Resp: 67224

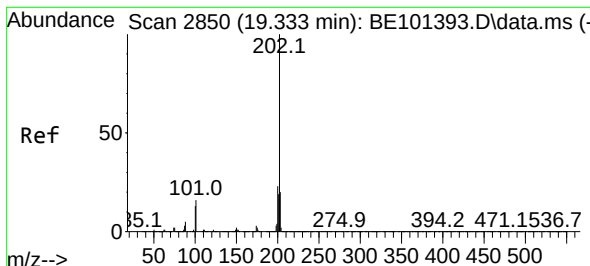
Ion Ratio Lower Upper

184 100

185 13.9 11.5 17.3

183 10.0 9.3 13.9





#78

Pyrene

Concen: 3.616 ng

RT: 19.324 min Scan# 2848

Delta R.T. -0.010 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

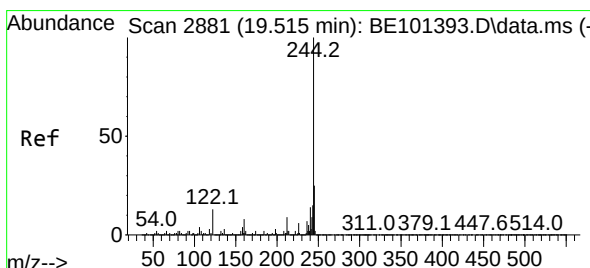
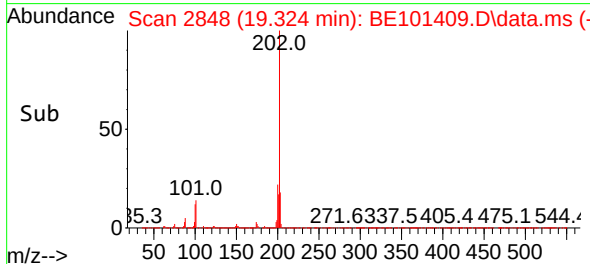
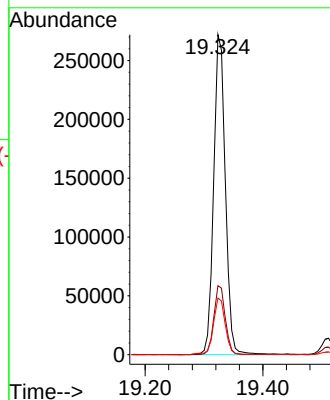
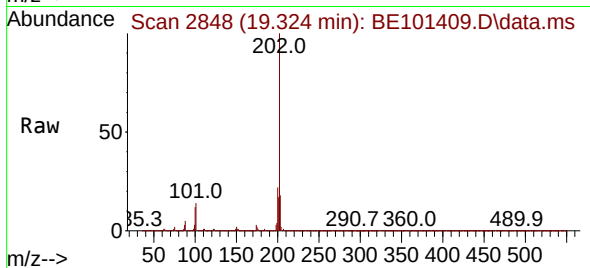
Tgt Ion:202 Resp: 374535

Ion Ratio Lower Upper

202 100

200 21.6 18.6 28.0

203 17.7 15.6 23.4



#79

Terphenyl-d14

Concen: 55.976 ng

RT: 19.512 min Scan# 2880

Delta R.T. -0.003 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

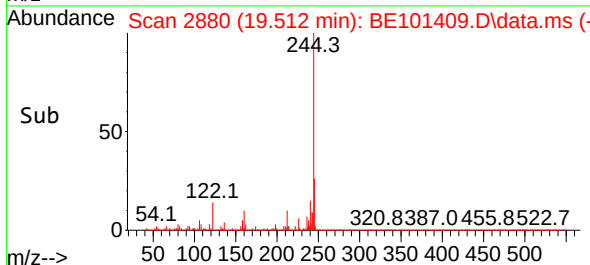
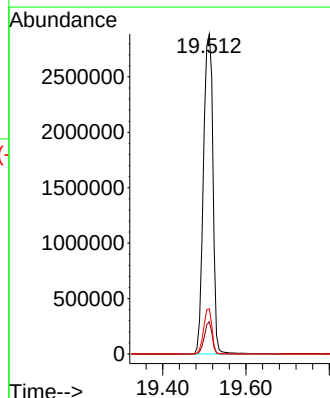
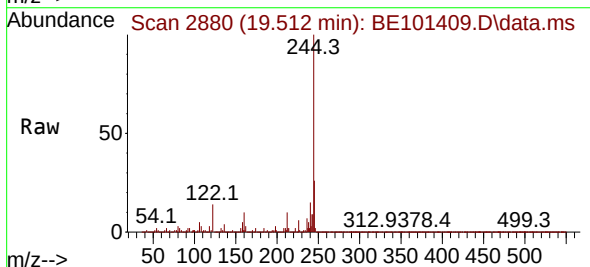
Tgt Ion:244 Resp: 4580944

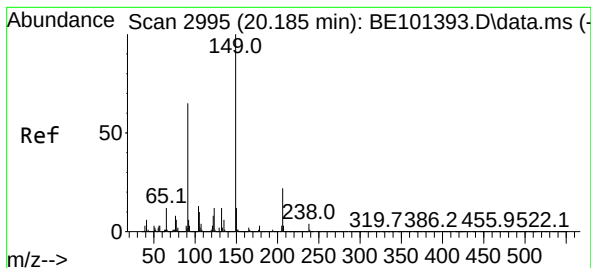
Ion Ratio Lower Upper

244 100

212 10.1 7.2 10.8

122 14.1 10.4 15.6





#80

Butylbenzylphthalate

Concen: 3.417 ng

RT: 20.181 min Scan# 2995

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

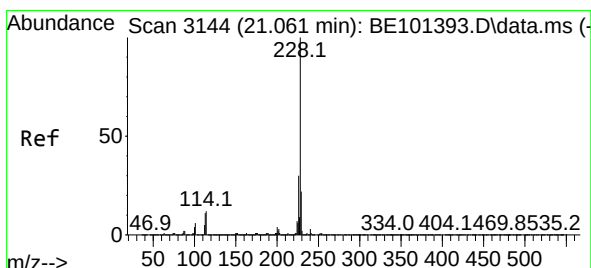
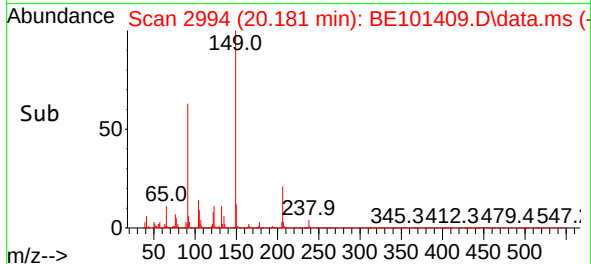
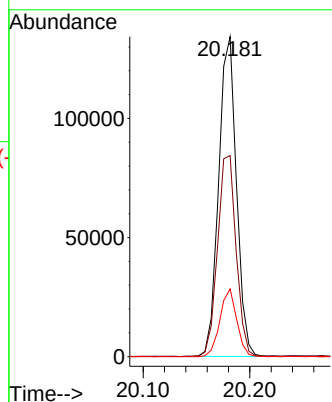
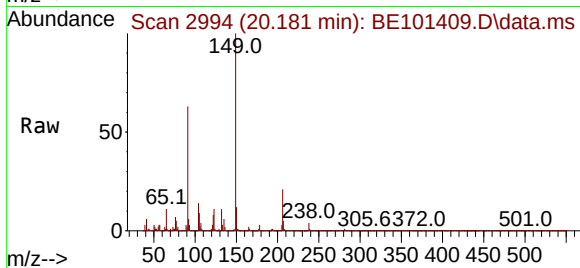
Tgt Ion:149 Resp: 155151

Ion Ratio Lower Upper

149 100

91 62.9 51.8 77.8

206 21.2 17.4 26.2



#81

Benzo(a)anthracene

Concen: 3.936 ng

RT: 21.051 min Scan# 3142

Delta R.T. -0.010 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

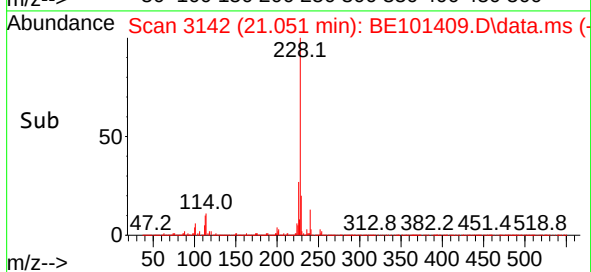
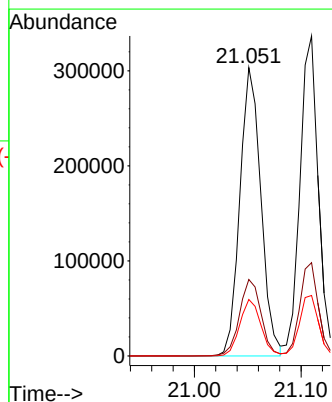
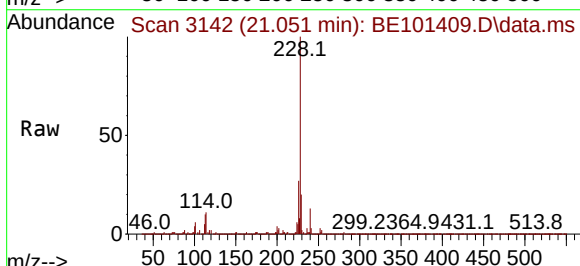
Tgt Ion:228 Resp: 416729

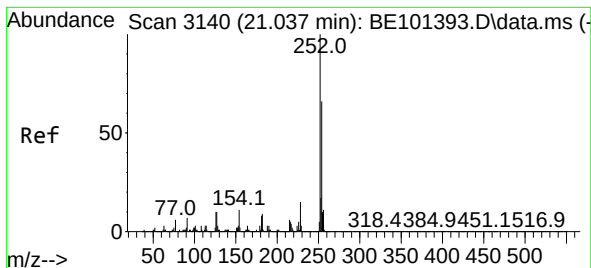
Ion Ratio Lower Upper

228 100

226 26.6 24.1 36.1

229 19.6 17.3 25.9





#82

3,3'-Dichlorobenzidine

Concen: 3.327 ng

RT: 21.028 min Scan# 3138

Delta R.T. -0.010 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

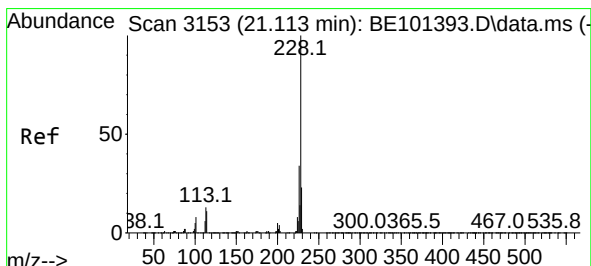
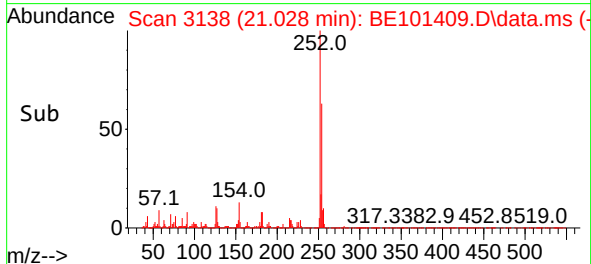
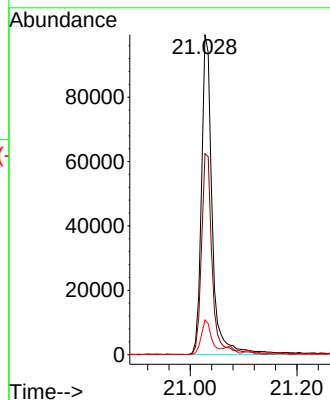
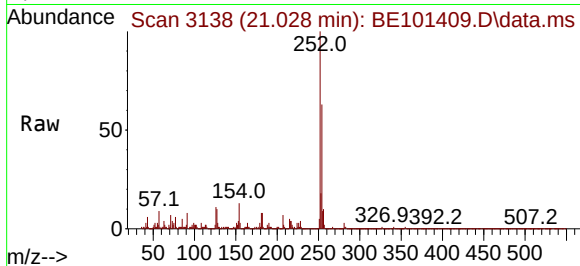
Tgt Ion:252 Resp: 137970

Ion Ratio Lower Upper

252 100

254 62.8 52.6 78.8

126 10.8 7.7 11.5



#83

Chrysene

Concen: 3.999 ng

RT: 21.110 min Scan# 3152

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

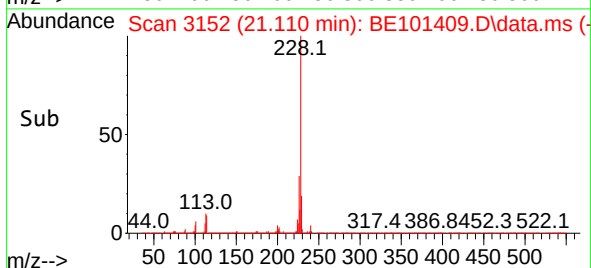
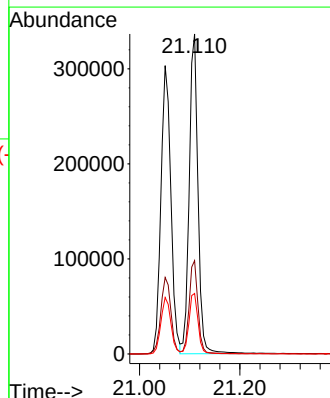
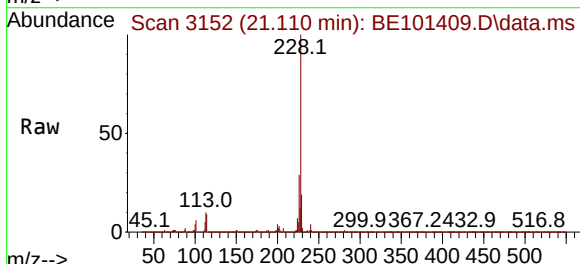
Tgt Ion:228 Resp: 409341

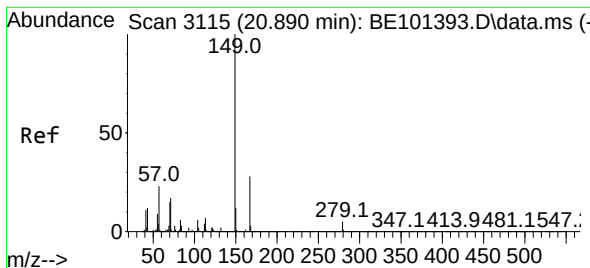
Ion Ratio Lower Upper

228 100

226 29.1 27.2 40.8

229 18.9 18.0 27.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.341 ng

RT: 20.881 min Scan# 3113

Delta R.T. -0.010 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

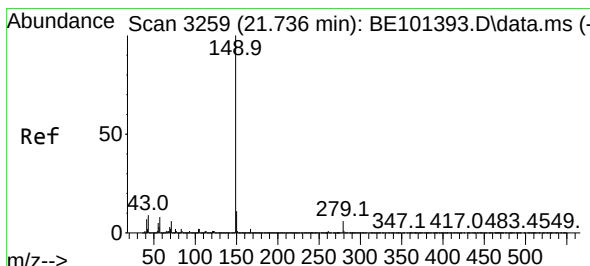
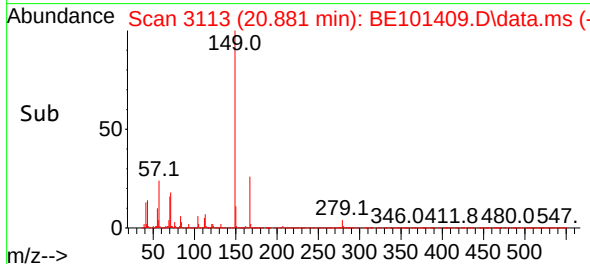
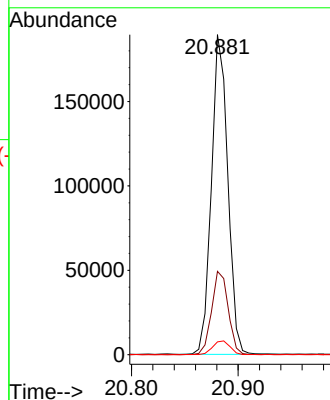
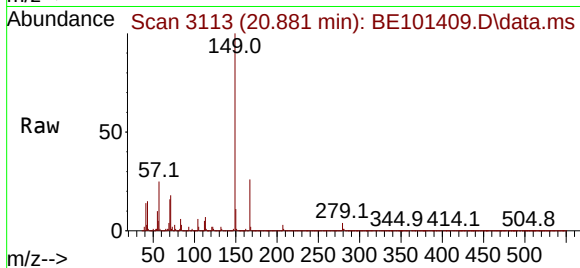
Tgt Ion:149 Resp: 201538

Ion Ratio Lower Upper

149 100

167 26.1 22.7 34.1

279 4.0 4.3 6.5#



#85

Di-n-octyl phthalate

Concen: 3.479 ng

RT: 21.727 min Scan# 3257

Delta R.T. -0.010 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

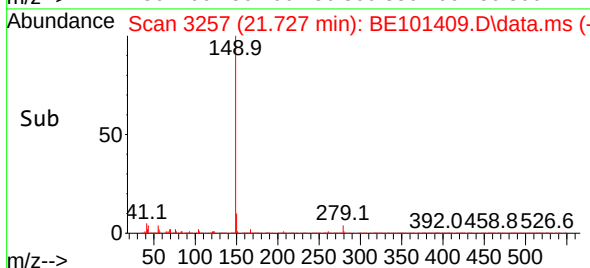
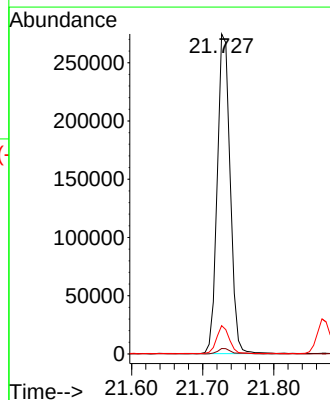
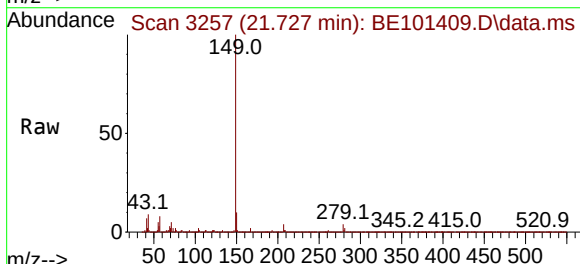
Tgt Ion:149 Resp: 344472

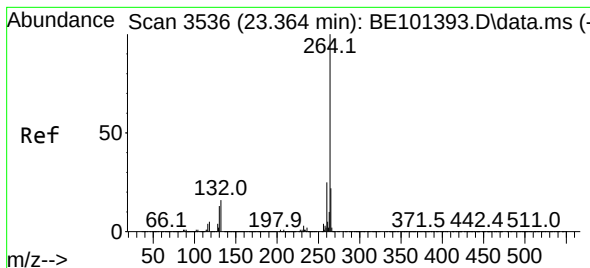
Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

43 8.6 7.0 10.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.360 min Scan# 31

Delta R.T. -0.004 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

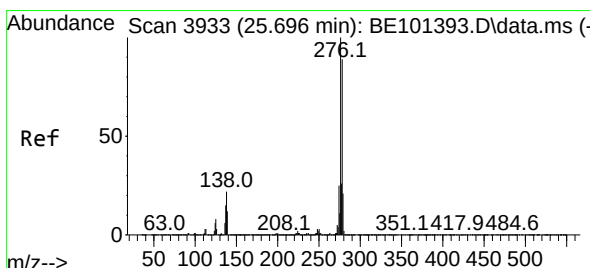
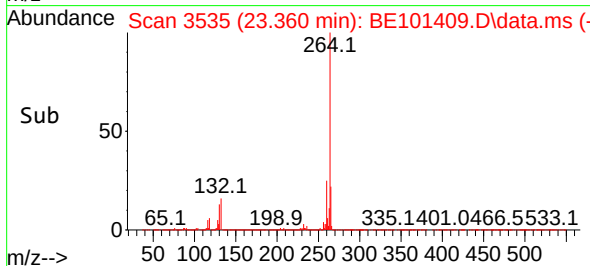
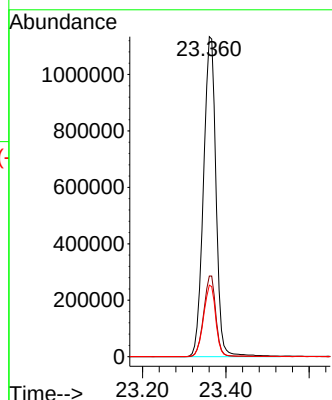
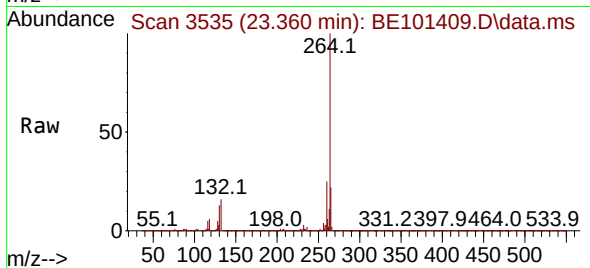
Tgt Ion:264 Resp: 2370908

Ion Ratio Lower Upper

264 100

260 25.2 19.8 29.8

265 22.4 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.603 ng

RT: 25.663 min Scan# 3927

Delta R.T. -0.033 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

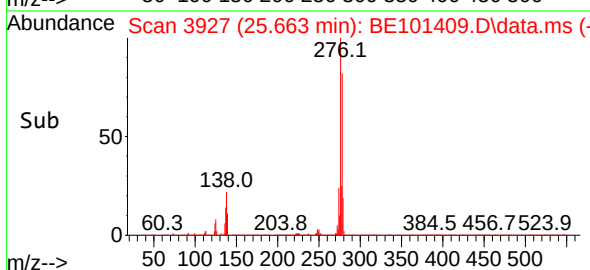
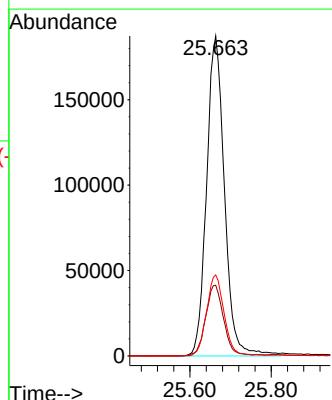
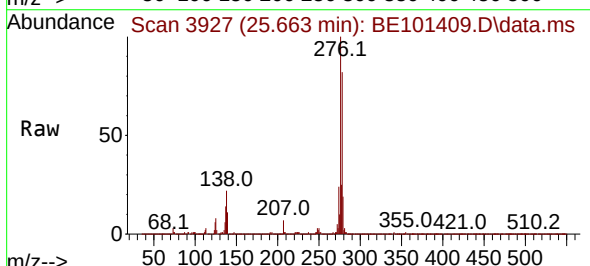
Tgt Ion:276 Resp: 571649

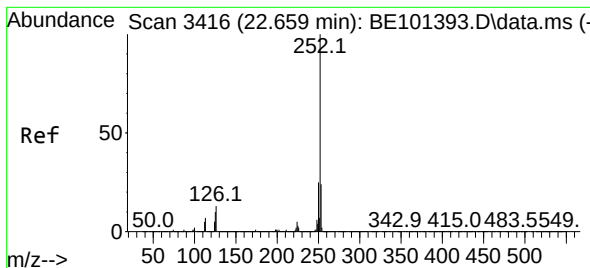
Ion Ratio Lower Upper

276 100

138 22.1 17.8 26.8

277 24.8 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 3.514 ng

RT: 22.643 min Scan# 3416

Delta R.T. -0.015 min

Lab File: BE101409.D

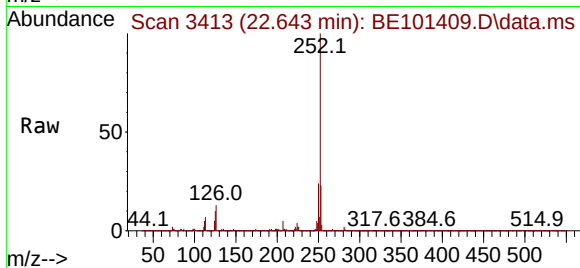
Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



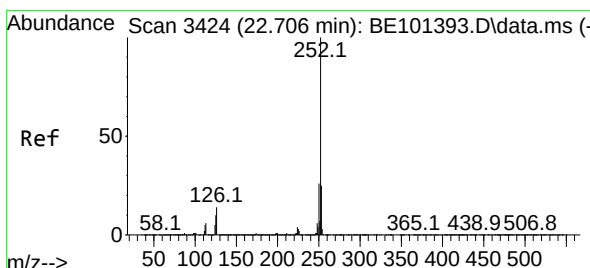
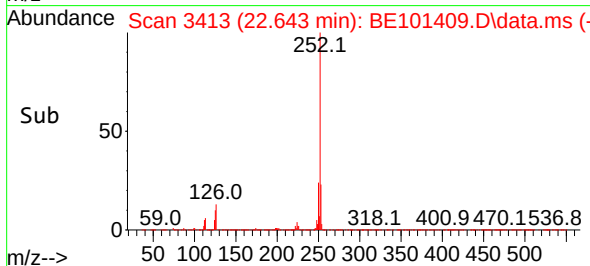
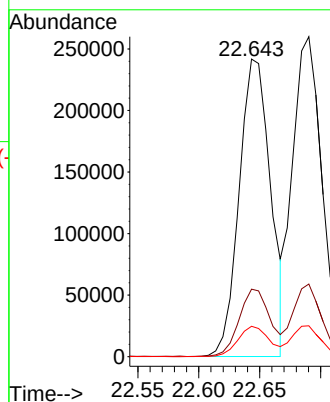
Tgt Ion:252 Resp: 434141

Ion Ratio Lower Upper

252 100

253 22.7 19.0 28.6

125 10.2 8.2 12.2



#89

Benzo(k)fluoranthene

Concen: 3.897 ng

RT: 22.690 min Scan# 3421

Delta R.T. -0.015 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

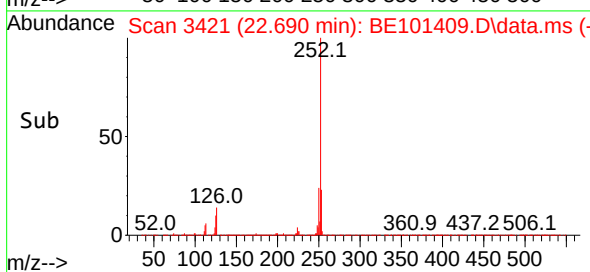
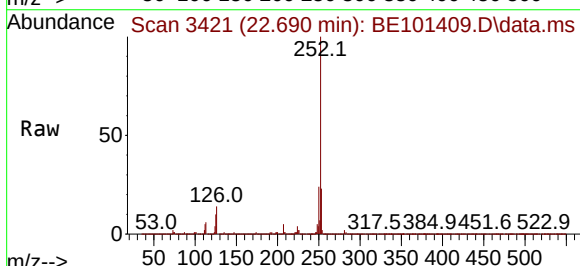
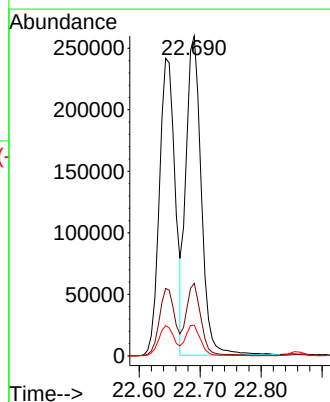
Tgt Ion:252 Resp: 449800

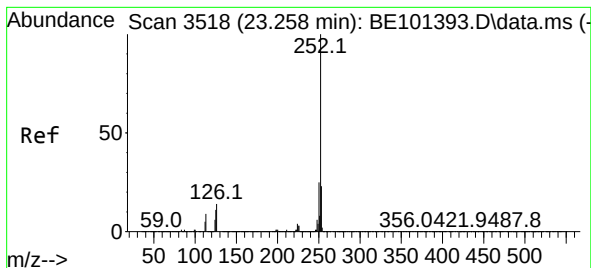
Ion Ratio Lower Upper

252 100

253 22.7 19.4 29.2

125 9.6 8.2 12.2





#90

Benzo(a)pyrene

Concen: 3.713 ng

RT: 23.243 min Scan# 3515

Delta R.T. -0.015 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

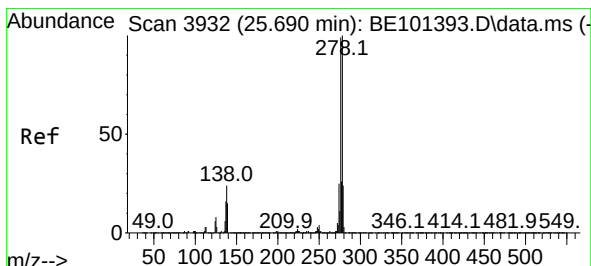
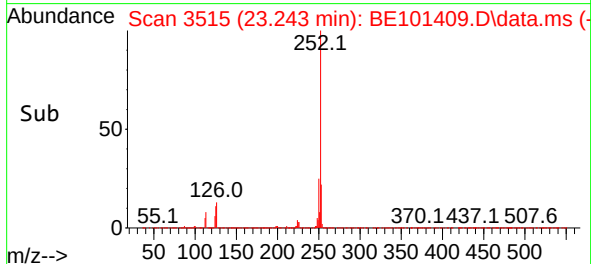
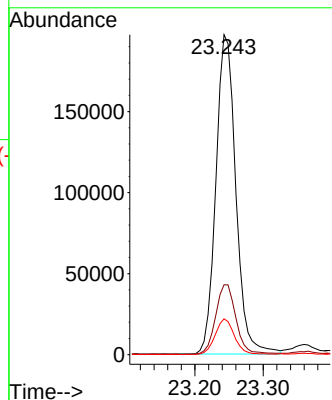
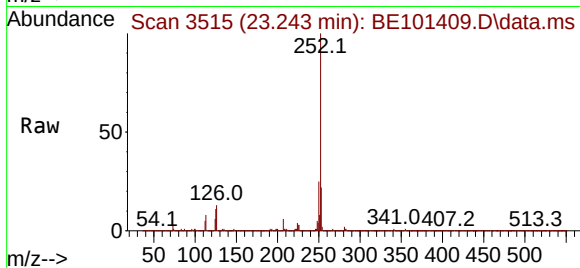
Tgt Ion:252 Resp: 401252

Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

125 11.2 9.0 13.6



#91

Dibenzo(a,h)anthracene

Concen: 3.610 ng

RT: 25.657 min Scan# 3926

Delta R.T. -0.033 min

Lab File: BE101409.D

Acq: 29 Oct 2024 16:20

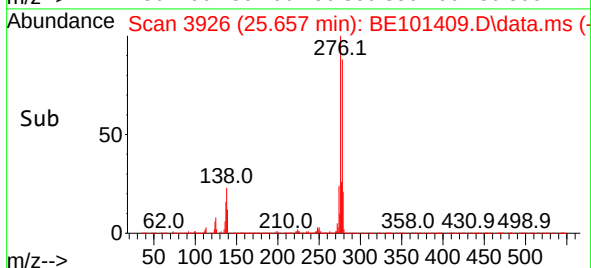
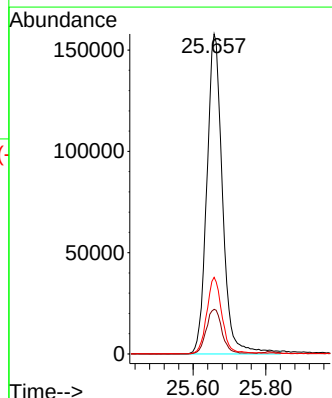
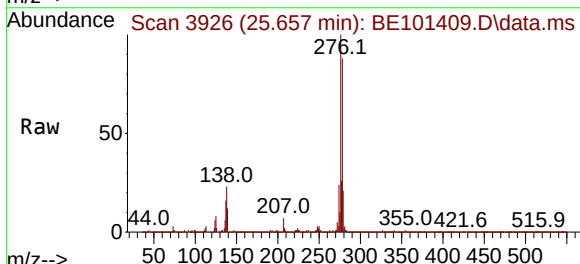
Tgt Ion:278 Resp: 473245

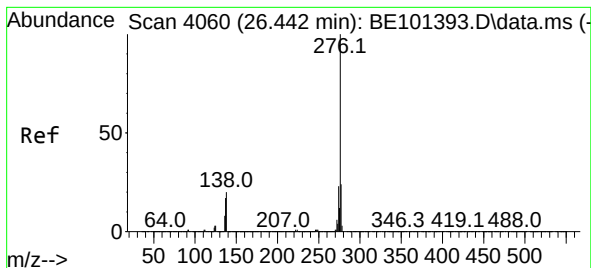
Ion Ratio Lower Upper

278 100

139 14.0 11.9 17.9

279 24.0 19.3 28.9





#92

Benzo(g,h,i)perylene

Concen: 3.305 ng

RT: 26.409 min Scan# 4060

Delta R.T. -0.033 min

Lab File: BE101409.D

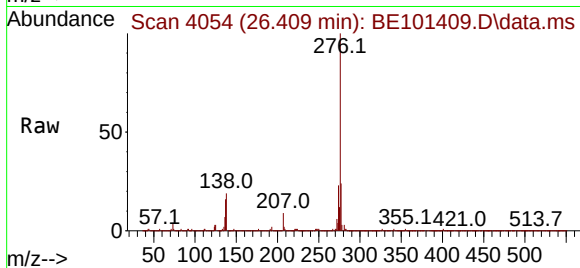
Acq: 29 Oct 2024 16:20

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:276 Resp: 446449

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.2

138 19.2 15.8 23.6

