

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE102924\
 Data File : BE101410.D
 Acq On : 29 Oct 2024 16:53
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL 8 PPM
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 29 17:38:04 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	7.570	152	157122	20.000	ng	0.00
21) Naphthalene-d8	10.337	136	762928	20.000	ng	0.00
39) Acenaphthene-d10	14.179	164	546294	20.000	ng	0.00
64) Phenanthrene-d10	16.917	188	1268441	20.000	ng	0.00
76) Chrysene-d12	21.071	240	1452855	20.000	ng	0.00
86) Perylene-d12	23.357	264	1793897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.319	112	1111215	123.954	ng	0.00
7) Phenol-d6	6.947	99	1561347	125.606	ng	0.00
23) Nitrobenzene-d5	8.780	82	1111225	91.483	ng	0.00
42) 2,4,6-Tribromophenol	15.689	330	1245468	130.078	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	2855849	88.533	ng	0.00
79) Terphenyl-d14	19.509	244	4448836	70.477	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.216	88	28783	8.608	ng	96
3) Pyridine	3.745	79	47670	5.039	ng	95
4) n-Nitrosodimethylamine	3.604	42	28889	7.893	ng	# 90
6) Aniline	7.017	93	106329	11.161	ng	99
8) 2-Chlorophenol	7.211	128	91209	8.483	ng	97
9) Benzaldehyde	6.782	77	67580	11.262	ng	98
10) Phenol	6.970	94	103156	7.648	ng	92
11) bis(2-Chloroethyl)ether	7.017	93	106329	9.610	ng	# 31
12) 1,3-Dichlorobenzene	7.458	146	96738	8.344	ng	99
13) 1,4-Dichlorobenzene	7.605	146	98656	8.333	ng	99
14) 1,2-Dichlorobenzene	7.934	146	97807	8.439	ng	99
15) Benzyl Alcohol	7.910	79	73402	9.906	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.069	45	126329	9.073	ng	99
17) 2-Methylphenol	8.151	107	69752	7.641	ng	98
18) Hexachloroethane	8.627	117	31913	8.254	ng	98
19) n-Nitroso-di-n-propyla...	8.375	70	70448	8.540	ng	99
20) 3+4-Methylphenols	8.492	107	95389	7.570	ng	99
22) Acetophenone	8.422	105	147272	8.502	ng	# 99
24) Nitrobenzene	8.821	77	107316	8.301	ng	98
25) Isophorone	9.273	82	199542	8.418	ng	99
26) 2-Nitrophenol	9.508	139	50041	8.008	ng	98
27) 2,4-Dimethylphenol	9.626	122	42506	5.406	ng	98
28) bis(2-Chloroethoxy)met...	9.779	93	121446	8.449	ng	99
29) 2,4-Dichlorophenol	10.055	162	84430	7.762	ng	97
30) 1,2,4-Trichlorobenzene	10.184	180	94317	7.959	ng	98
31) Naphthalene	10.384	128	321398	8.267	ng	100
32) Benzoic acid	9.820	122	25463	10.825	ng	96
33) 4-Chloroaniline	10.613	127	121568	8.992	ng	98
34) Hexachlorobutadiene	10.637	225	55704	7.942	ng	96
35) Caprolactam	11.389	113	29146	6.990	ng	97
36) 4-Chloro-3-methylphenol	11.782	107	93334	7.536	ng	98
37) 2-Methylnaphthalene	11.976	142	228228	8.148	ng	98
38) 1-Methylnaphthalene	12.205	142	215561	7.711	ng	100
40) 1,2,4,5-Tetrachloroben...	12.335	216	114962	8.383	ng	99
41) Hexachlorocyclopentadiene	12.317	237	22348	4.934	ng	99
43) 2,4,6-Trichlorophenol	12.652	196	74778	7.910	ng	98

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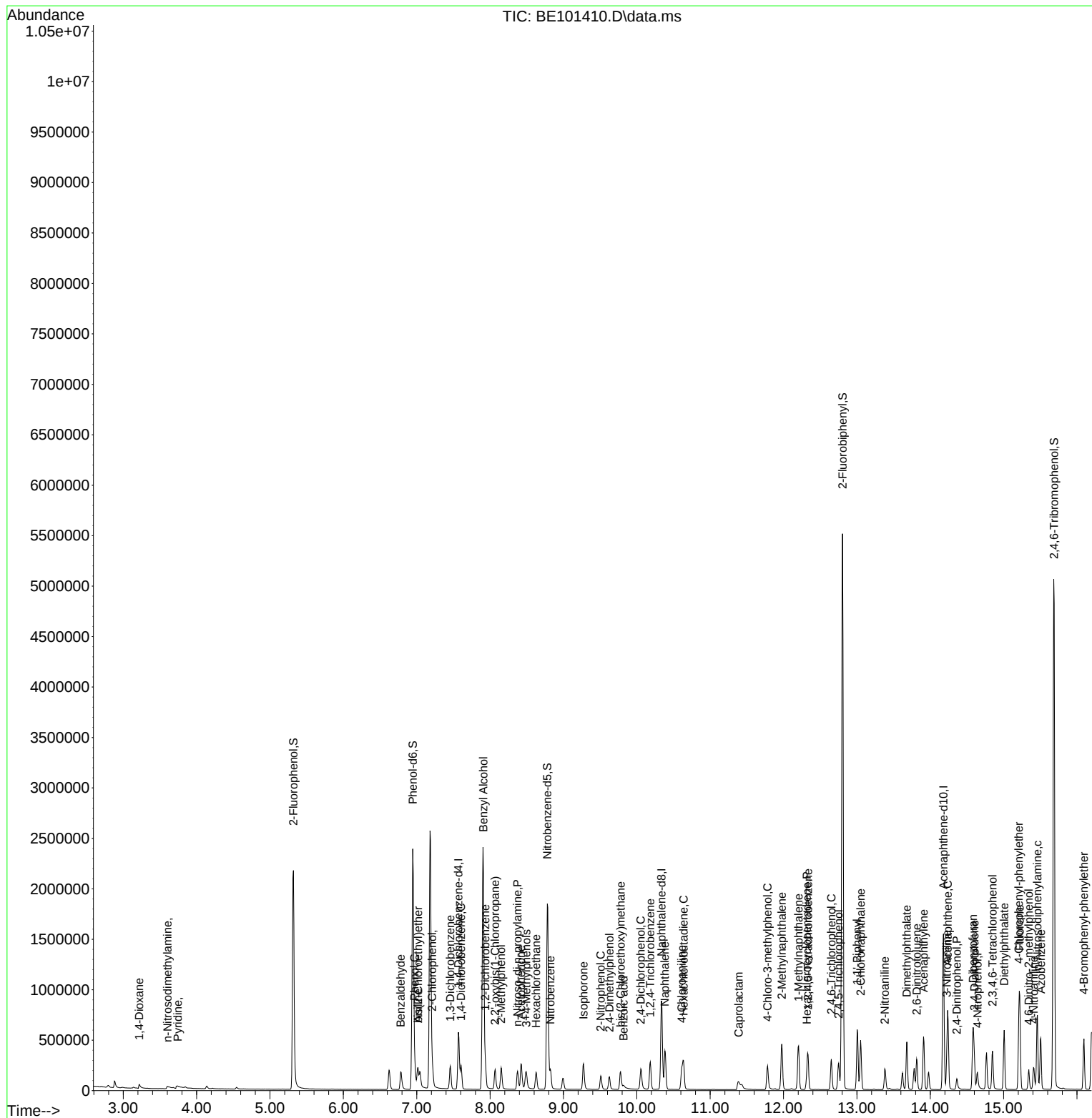
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.752	196	83786	7.739	ng	98
46) 1,1'-Biphenyl	13.004	154	323260	8.637	ng	99
47) 2-Chloronaphthalene	13.051	162	241159	8.156	ng	98
48) 2-Nitroaniline	13.380	65	57899	7.276	ng	94
49) Acenaphthylene	13.909	152	386698	8.843	ng	99
50) Dimethylphthalate	13.680	163	322993	8.376	ng	99
51) 2,6-Dinitrotoluene	13.815	165	65610	7.370	ng	93
52) Acenaphthene	14.238	154	234028	8.196	ng	100
53) 3-Nitroaniline	14.226	138	69706	7.874	ng	94
54) 2,4-Dinitrophenol	14.362	184	27079	9.597	ng	93
55) Dibenzofuran	14.585	168	389654	8.562	ng	97
56) 4-Nitrophenol	14.644	139	55829	6.887	ng	99
57) 2,4-Dinitrotoluene	14.602	165	88417	7.214	ng	95
58) Fluorene	15.219	166	316312	8.308	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.849	232	81171	8.115	ng	100
60) Diethylphthalate	15.008	149	333942	8.279	ng	99
61) 4-Chlorophenyl-phenyle...	15.208	204	154045	8.154	ng	98
62) 4-Nitroaniline	15.413	138	73239	7.435	ng	98
63) Azobenzene	15.507	77	290554	8.381	ng	99
65) 4,6-Dinitro-2-methylph...	15.343	198	44606	5.985	ng	95
66) n-Nitrosodiphenylamine	15.460	169	280222	8.331	ng	99
67) 4-Bromophenyl-phenylether	16.095	248	106714	7.998	ng	97
68) Hexachlorobenzene	16.201	284	137512	7.863	ng	99
69) Atrazine	16.389	200	104873	10.169	ng	98
70) Pentachlorophenol	16.606	266	67469	6.702	ng	96
71) Phenanthrene	16.953	178	529029	8.711	ng	99
72) Anthracene	17.041	178	492114	8.299	ng	98
73) Carbazole	17.370	167	507516	8.364	ng	98
74) Di-n-butylphthalate	17.822	149	583257	8.732	ng	98
75) Fluoranthene	18.956	202	641906	8.702	ng	97
77) Benzidine	19.215	184	179946	9.759	ng	99
78) Pyrene	19.326	202	690742	8.646	ng	96
80) Butylbenzylphthalate	20.178	149	299307	8.545	ng	97
81) Benzo(a)anthracene	21.054	228	756750	9.267	ng	95
82) 3,3'-Dichlorobenzidine	21.030	252	278519	8.707	ng	98
83) Chrysene	21.107	228	728152	9.222	ng	95
84) Bis(2-ethylhexyl)phtha...	20.883	149	408559	8.781	ng	97
85) Di-n-octyl phthalate	21.729	149	707217	9.261	ng	100
87) Indeno(1,2,3-cd)pyrene	25.666	276	1076011	8.963	ng	99
88) Benzo(b)fluoranthene	22.646	252	831673	8.896	ng	97
89) Benzo(k)fluoranthene	22.687	252	806618	9.235	ng	97
90) Benzo(a)pyrene	23.245	252	759634	9.291	ng	98
91) Dibenzo(a,h)anthracene	25.660	278	891971	8.991	ng	99
92) Benzo(g,h,i)perylene	26.418	276	830527	8.125	ng	99

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

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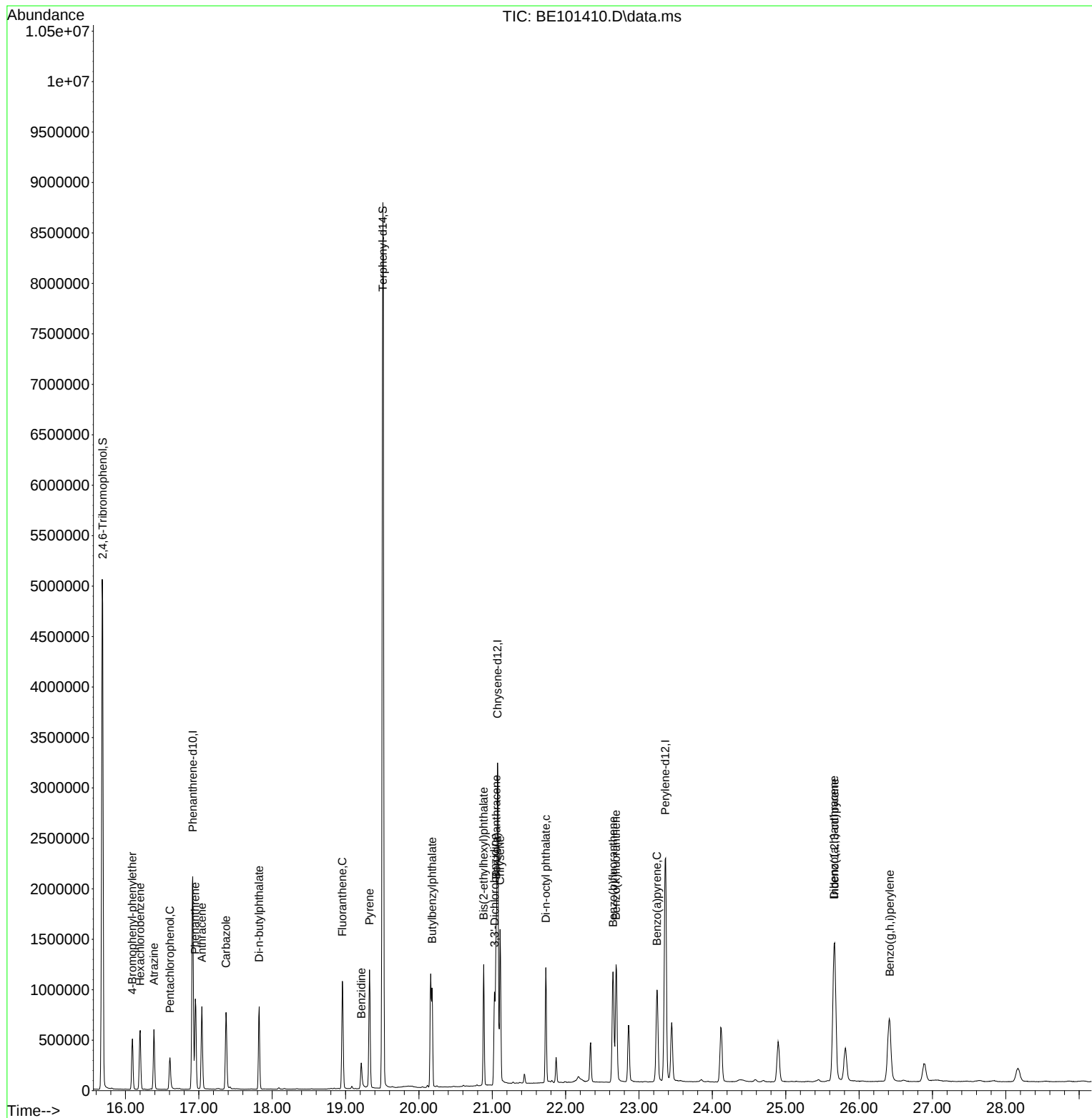
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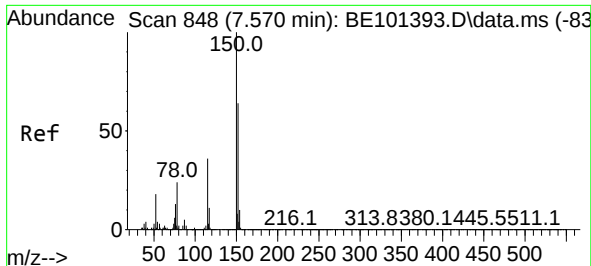


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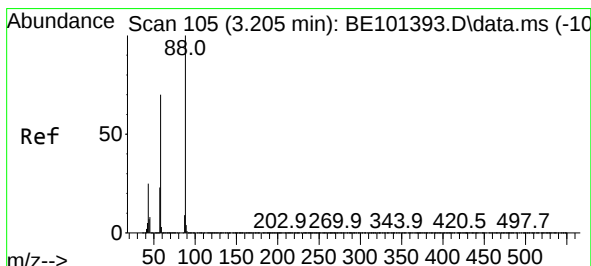
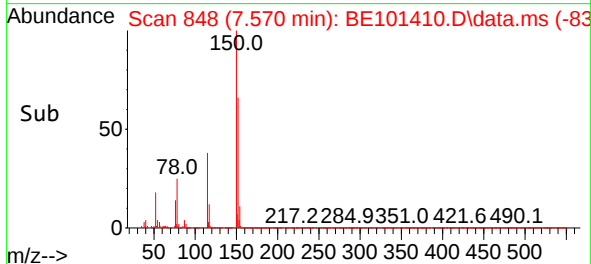
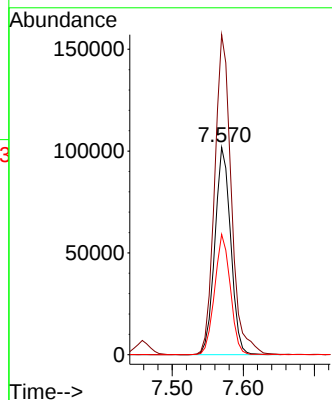
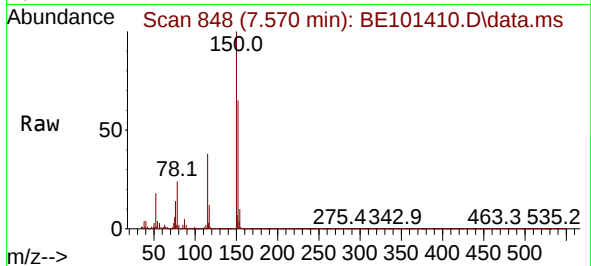




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 84
Delta R.T. -0.000 min
Lab File: BE101410.D
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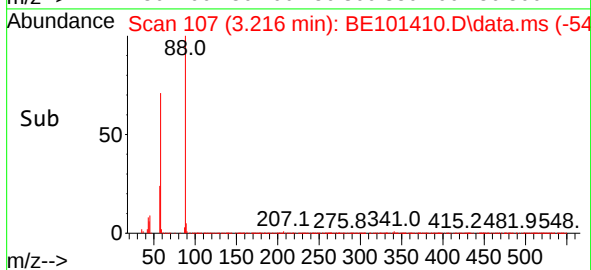
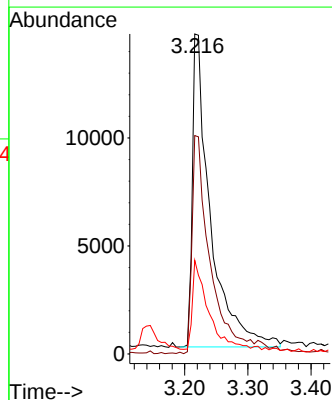
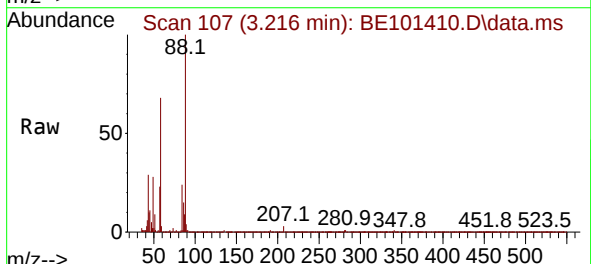
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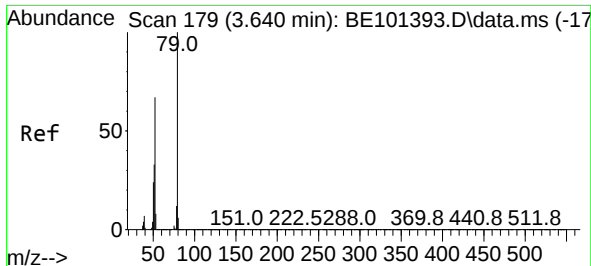
Tgt Ion:152 Resp: 157122
Ion Ratio Lower Upper
152 100
150 154.3 124.2 186.4
115 58.0 45.3 67.9



#2
1,4-Dioxane
Concen: 8.608 ng
RT: 3.216 min Scan# 107
Delta R.T. 0.011 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion: 88 Resp: 28783
Ion Ratio Lower Upper
88 100
58 72.7 56.5 84.7
43 28.3 19.8 29.8

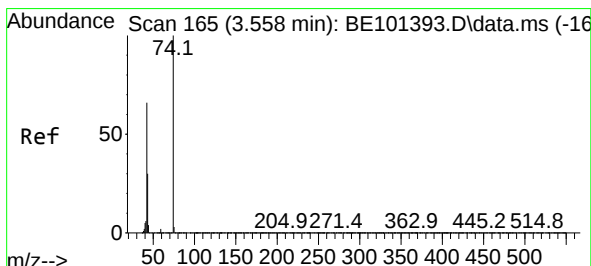
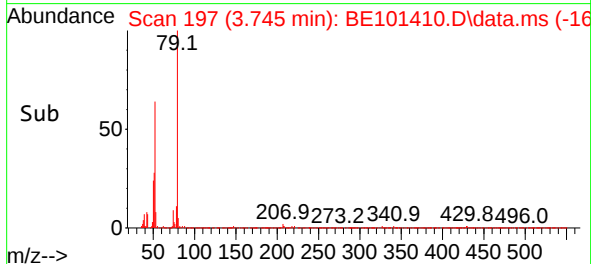
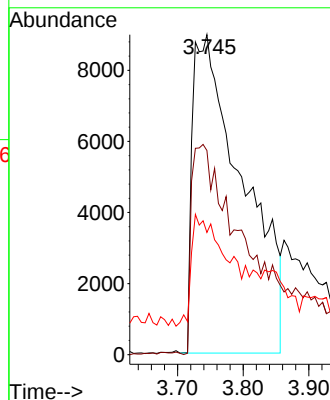
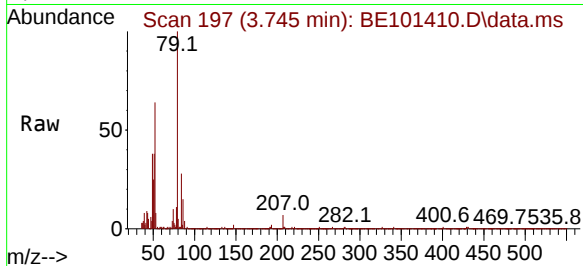




#3
Pyridine
Concen: 5.039 ng
RT: 3.745 min Scan# 11
Delta R.T. 0.105 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

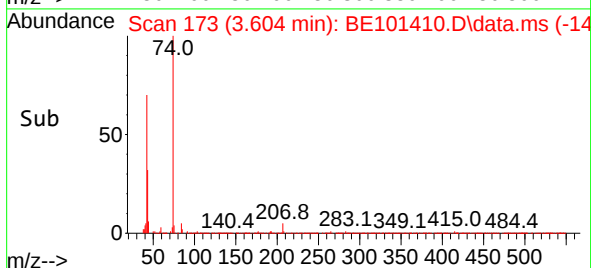
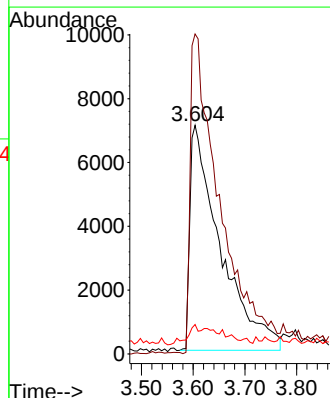
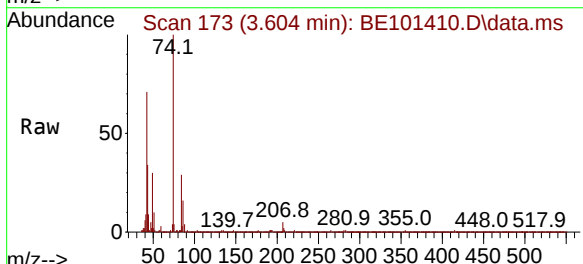
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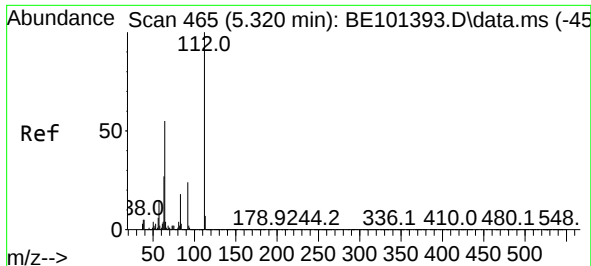
Tgt Ion: 79 Resp: 47670
Ion Ratio Lower Upper
79 100
52 63.8 53.3 79.9
51 38.2 27.3 40.9



#4
n-Nitrosodimethylamine
Concen: 7.893 ng
RT: 3.604 min Scan# 173
Delta R.T. 0.046 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion: 42 Resp: 28889
Ion Ratio Lower Upper
42 100
74 140.0 121.4 182.0
44 12.9 5.6 8.4

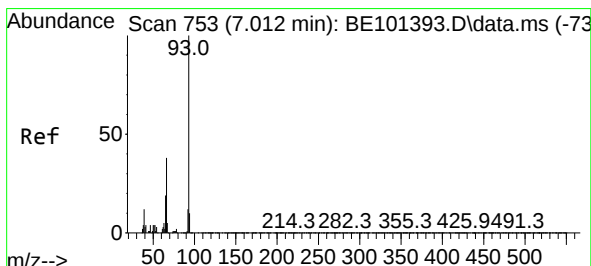
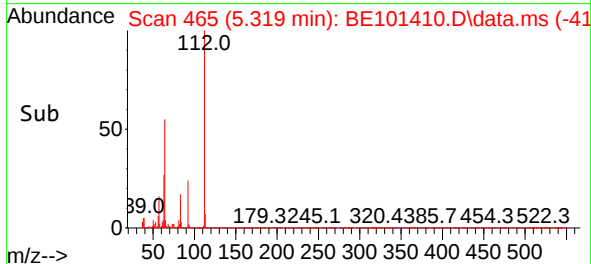
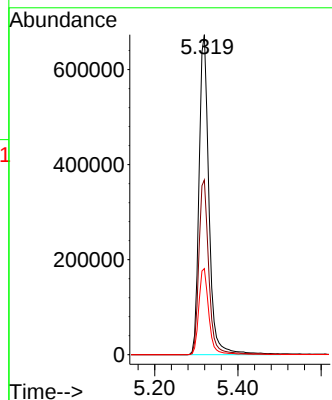
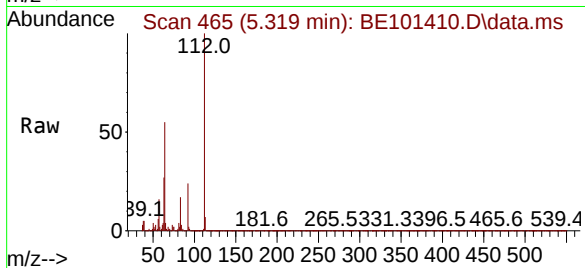




#5
2-Fluorophenol
Concen: 123.954 ng
RT: 5.319 min Scan# 41
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

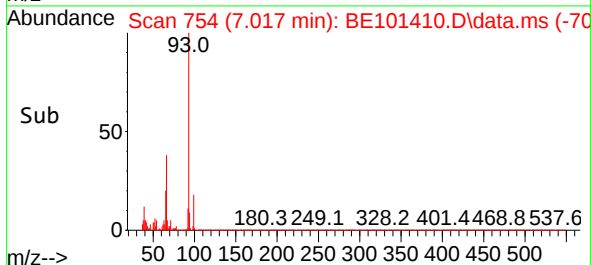
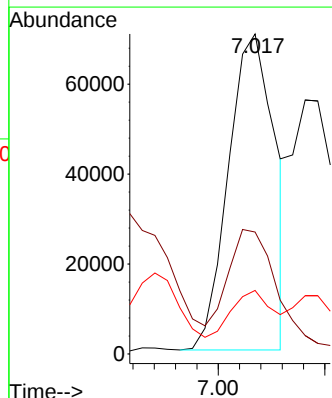
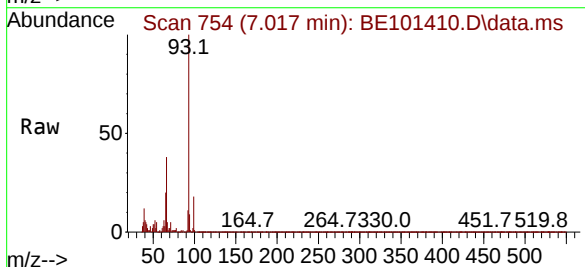
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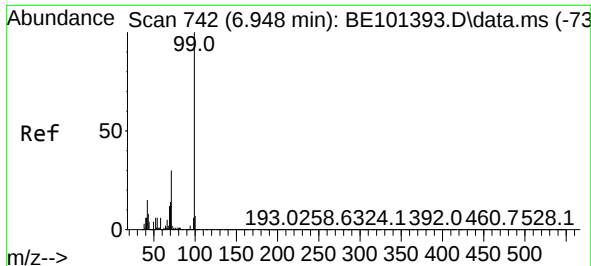
Tgt Ion:112 Resp: 1111215
Ion Ratio Lower Upper
112 100
64 54.6 43.7 65.5
63 26.9 21.4 32.2



#6
Aniline
Concen: 11.161 ng
RT: 7.017 min Scan# 754
Delta R.T. 0.005 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion: 93 Resp: 106329
Ion Ratio Lower Upper
93 100
66 38.1 31.0 46.4
65 19.8 15.5 23.3



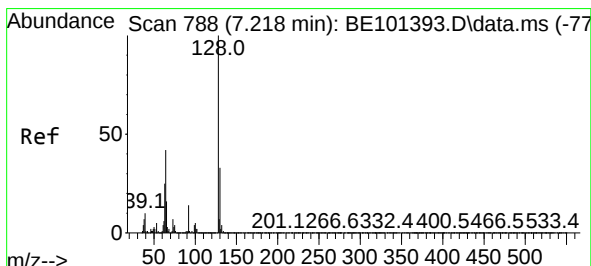
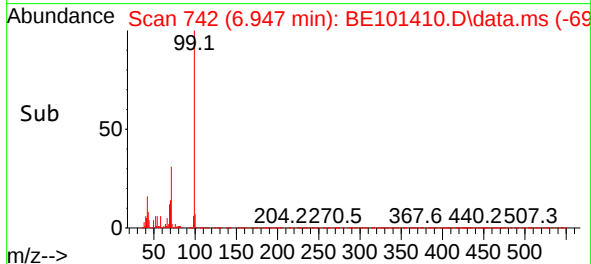
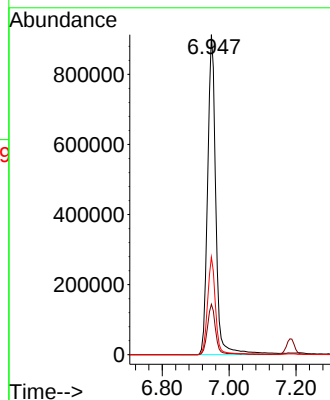
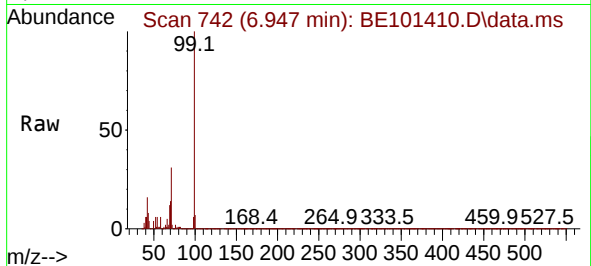


#7
Phenol-d6
Concen: 125.606 ng
RT: 6.947 min Scan# 741
Delta R.T. -0.001 min
Lab File: BE101410.D
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Tgt Ion: 99 Resp: 1561347

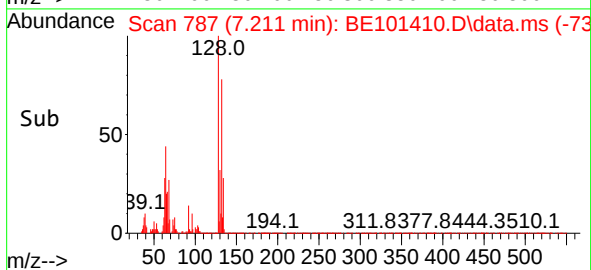
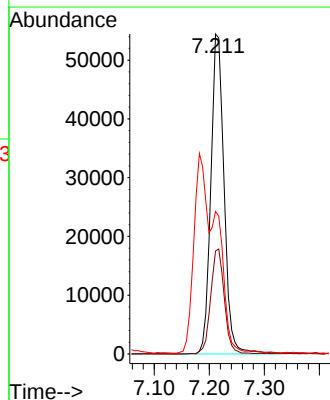
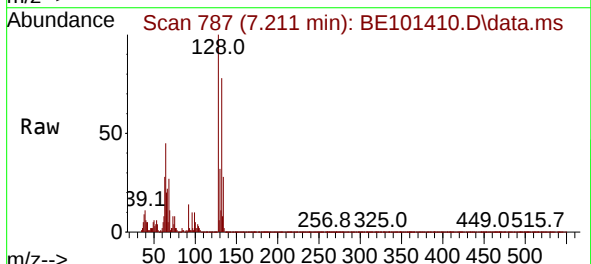
Ion	Ratio	Lower	Upper
99	100		
42	15.7	12.3	18.5
71	30.5	23.8	35.8

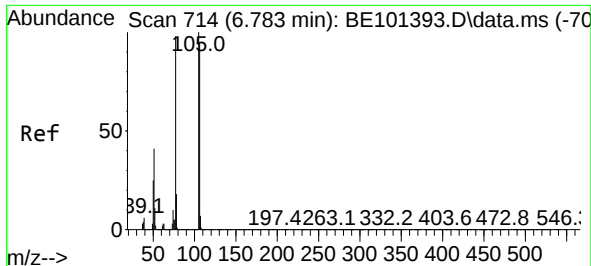


#8
2-Chlorophenol
Concen: 8.483 ng
RT: 7.211 min Scan# 787
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion: 128 Resp: 91209

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	44.5	22.3	62.3

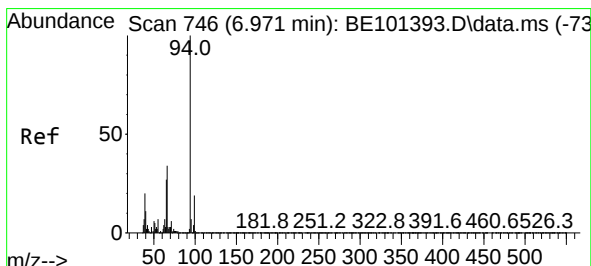
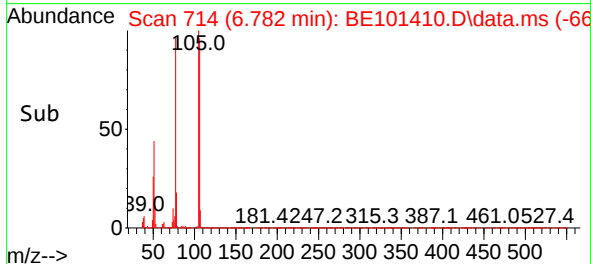
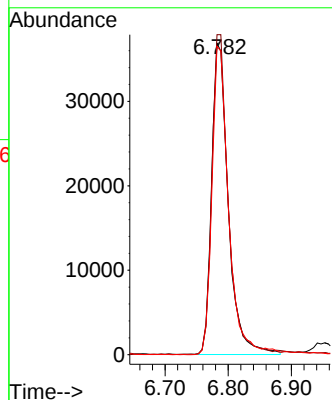
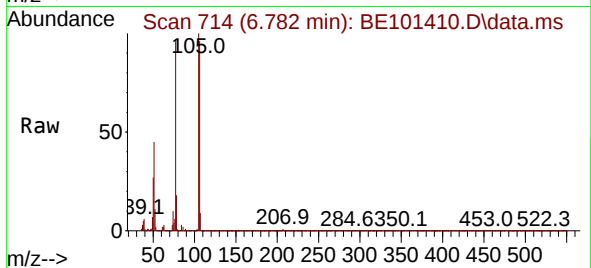




#9
Benzaldehyde
Concen: 11.262 ng
RT: 6.782 min Scan# 714
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

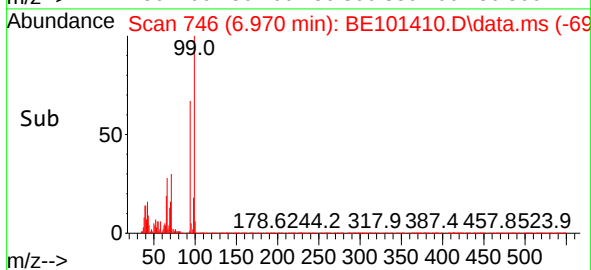
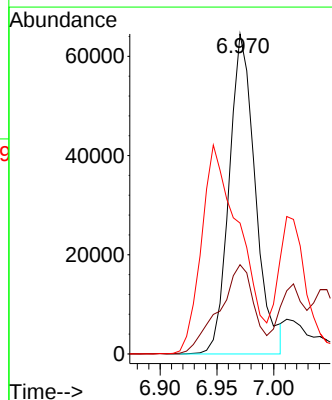
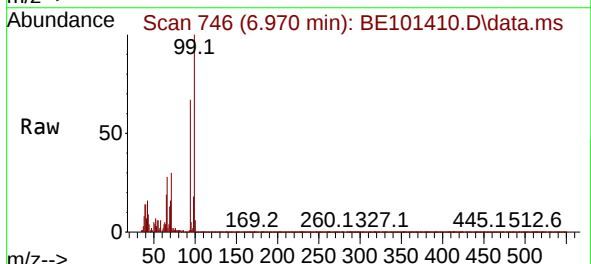
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

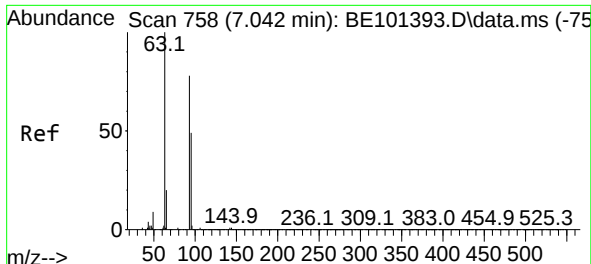
Tgt Ion:	77	Resp:	67580
Ion	Ratio	Lower	Upper
77	100		
105	102.7	81.9	121.9
106	99.0	76.5	116.5



#10
Phenol
Concen: 7.648 ng
RT: 6.970 min Scan# 746
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:	94	Resp:	103156
Ion	Ratio	Lower	Upper
94	100		
65	27.9	6.8	46.8
66	40.9	14.0	54.0

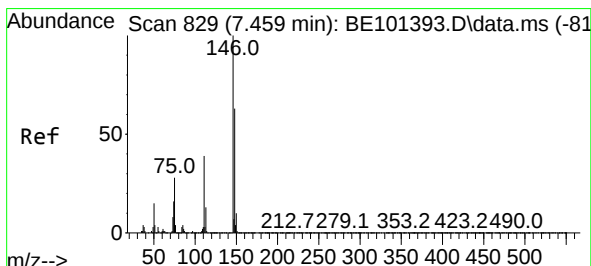
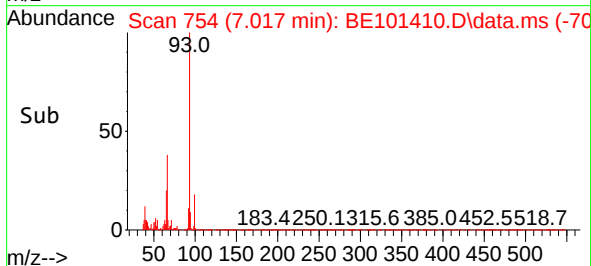
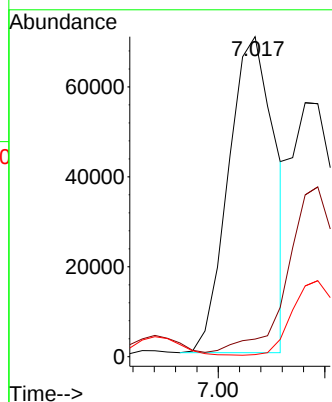
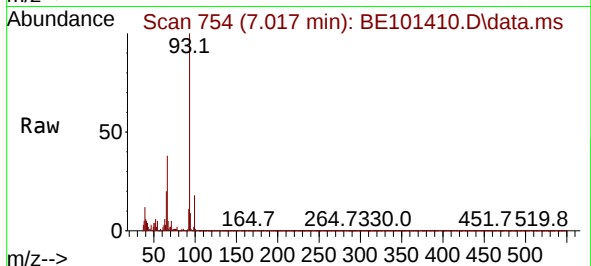




#11
bis(2-Chloroethyl)ether
Concen: 9.610 ng
RT: 7.017 min Scan# 754
Delta R.T. -0.024 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

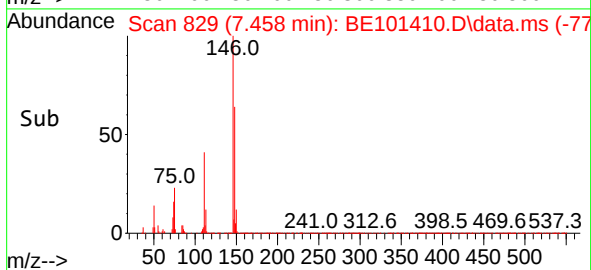
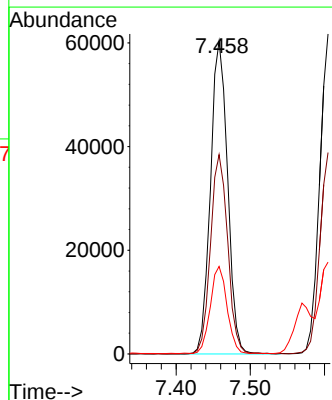
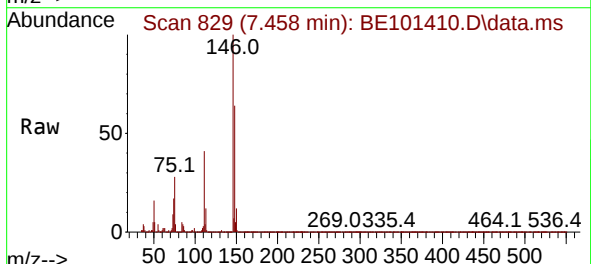
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

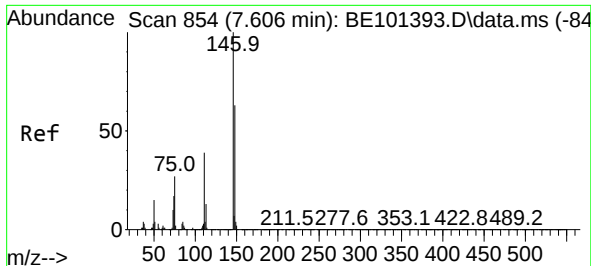
Tgt Ion: 93 Resp: 106329
Ion Ratio Lower Upper
93 100
63 5.5 46.3 86.3#
95 0.6 9.6 49.6#



#12
1,3-Dichlorobenzene
Concen: 8.344 ng
RT: 7.458 min Scan# 829
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:146 Resp: 96738
Ion Ratio Lower Upper
146 100
148 63.8 50.5 75.7
75 28.0 22.0 33.0





#13

1,4-Dichlorobenzene

Concen: 8.333 ng

RT: 7.605 min Scan# 81

Delta R.T. -0.001 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

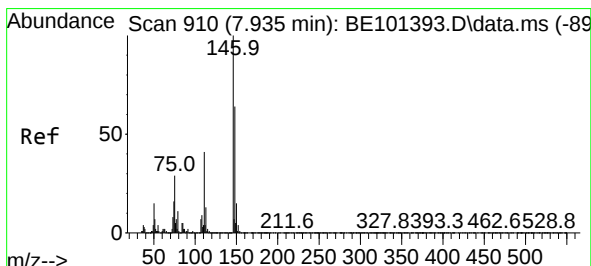
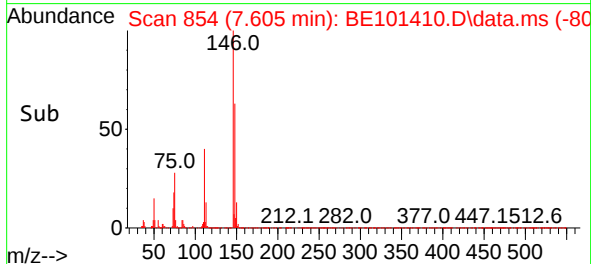
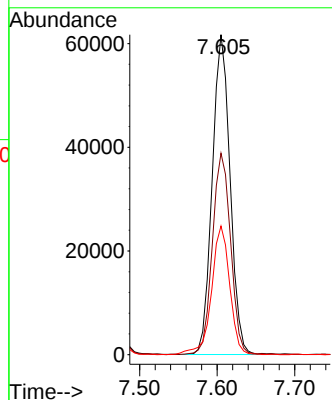
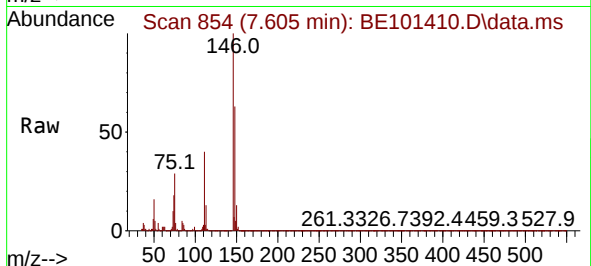
Tgt Ion:146 Resp: 98656

Ion Ratio Lower Upper

146 100

148 62.9 50.2 75.2

111 40.2 31.6 47.4



#14

1,2-Dichlorobenzene

Concen: 8.439 ng

RT: 7.934 min Scan# 910

Delta R.T. -0.001 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

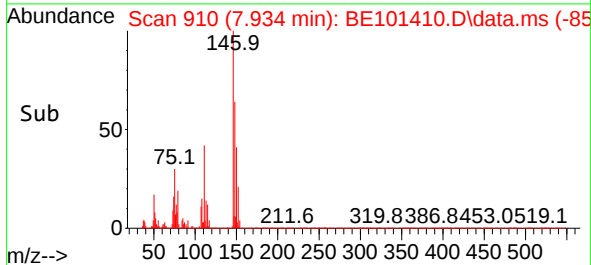
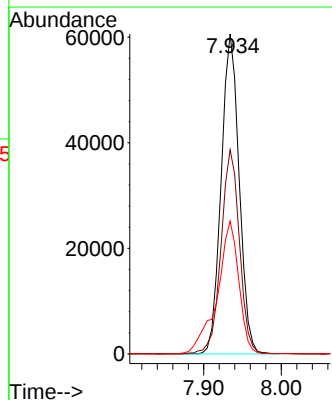
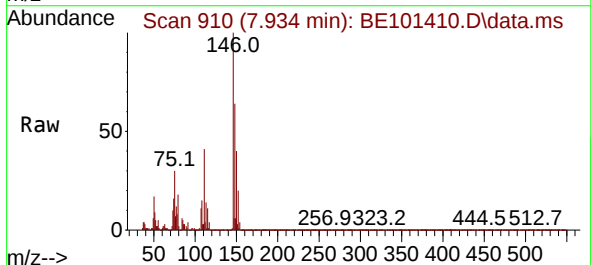
Tgt Ion:146 Resp: 97807

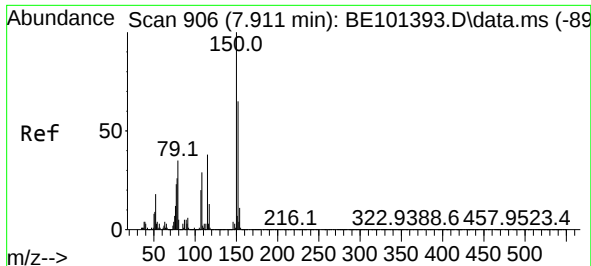
Ion Ratio Lower Upper

146 100

148 63.8 51.4 77.2

111 41.5 32.8 49.2

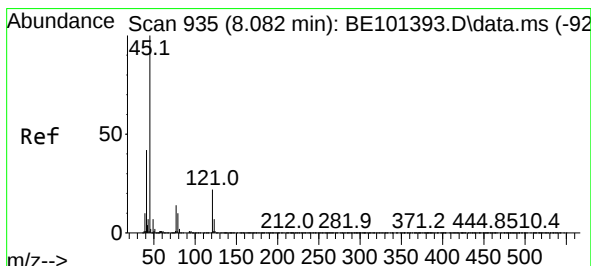
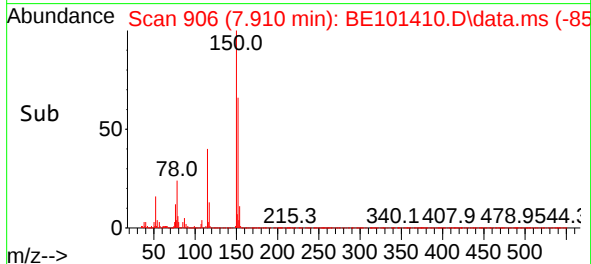
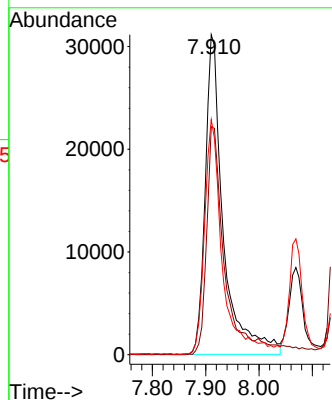
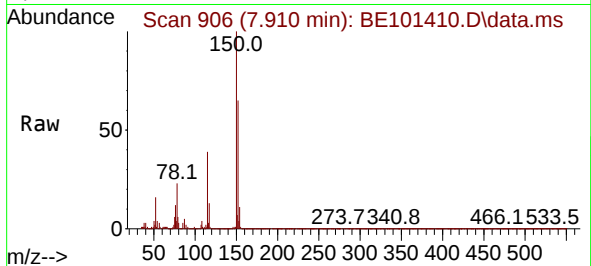




#15
Benzyl Alcohol
Concen: 9.906 ng
RT: 7.910 min Scan# 906
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

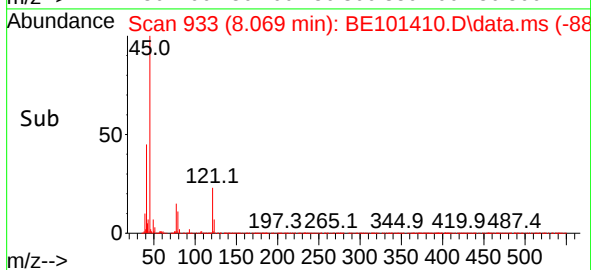
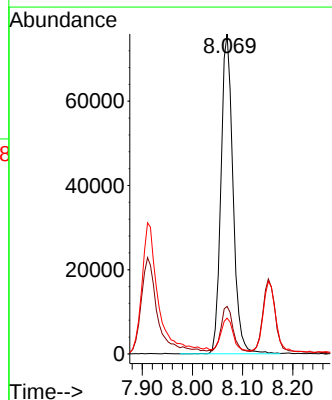
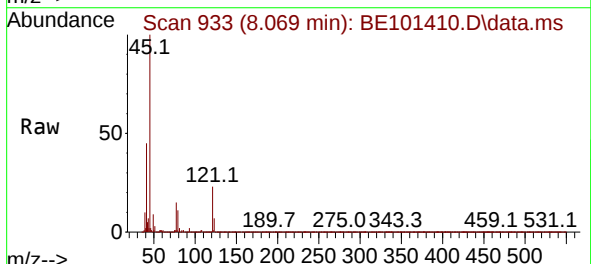
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

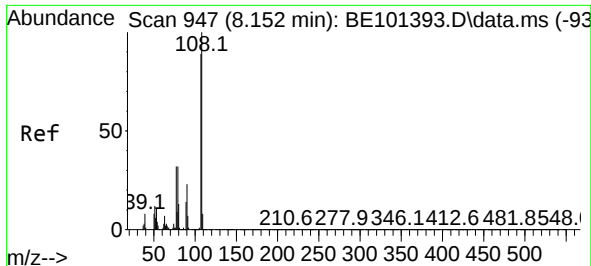
Tgt Ion: 79 Resp: 73402
Ion Ratio Lower Upper
79 100
108 71.3 66.1 99.1
77 73.4 53.1 79.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.073 ng
RT: 8.069 min Scan# 933
Delta R.T. -0.013 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion: 45 Resp: 126329
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.5
79 11.2 0.0 31.8

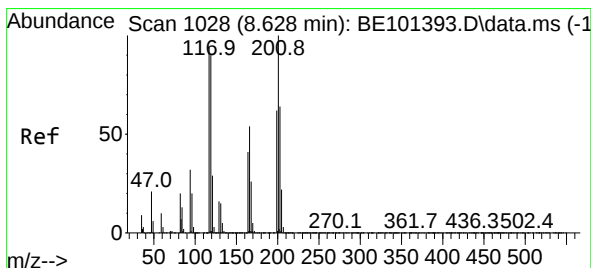
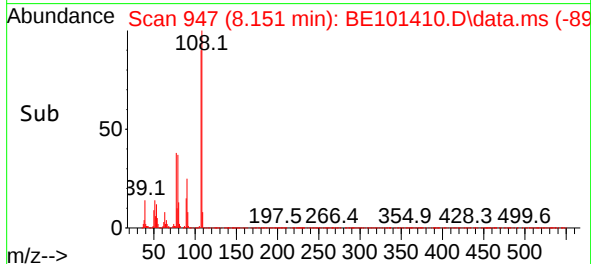
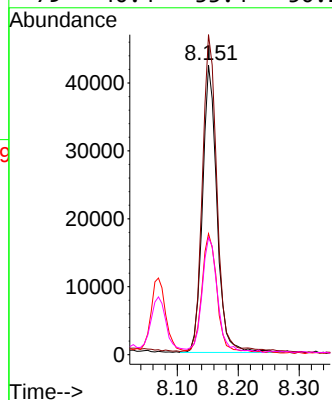
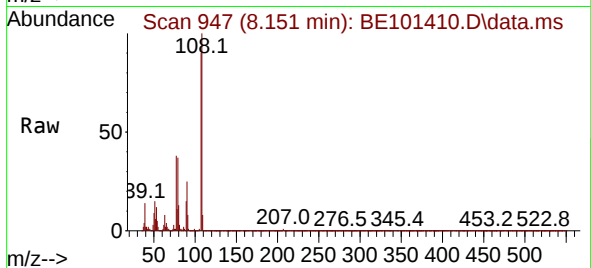




#17
2-Methylphenol
Concen: 7.641 ng
RT: 8.151 min Scan# 947
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

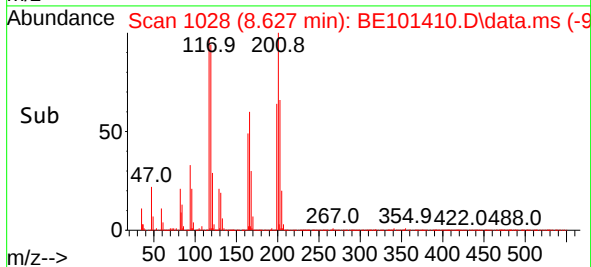
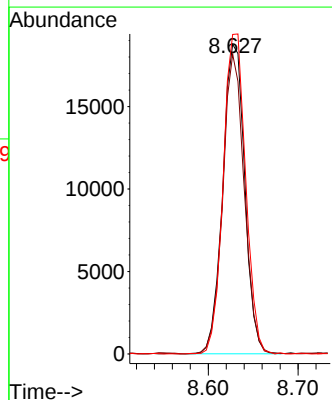
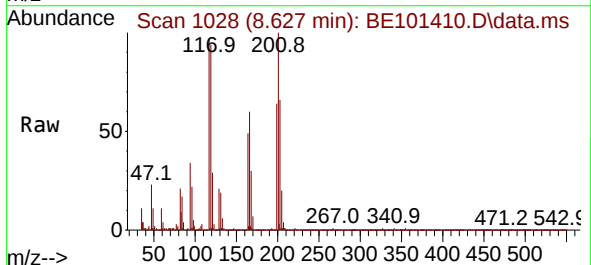
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

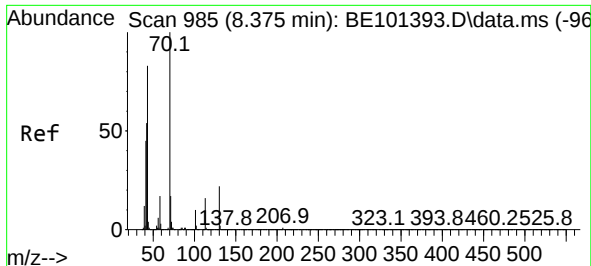
Tgt Ion:	107	Resp:	69752
Ion	Ratio	Lower	Upper
107	100		
108	110.5	90.0	135.0
77	41.8	34.2	51.4
79	40.4	33.4	50.2



#18
Hexachloroethane
Concen: 8.254 ng
RT: 8.627 min Scan# 1028
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:	117	Resp:	31913
Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.0	115.4
201	103.2	85.3	127.9

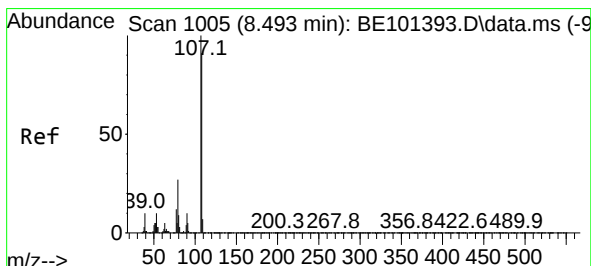
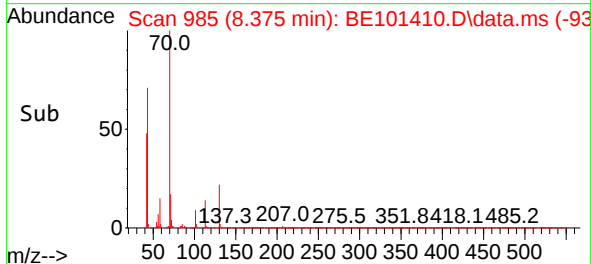
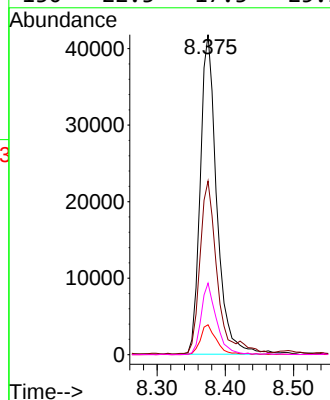
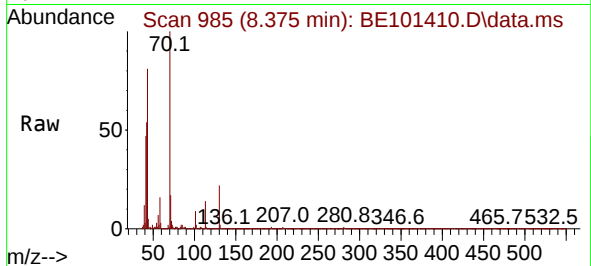




#19
n-Nitroso-di-n-propylamine
Concen: 8.540 ng
RT: 8.375 min Scan# 985
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

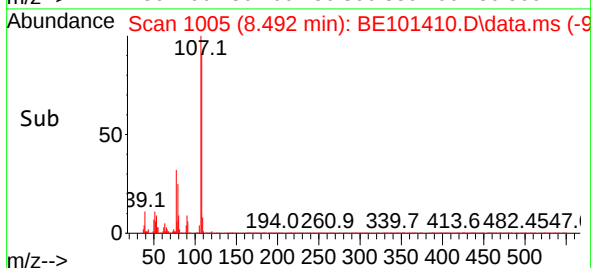
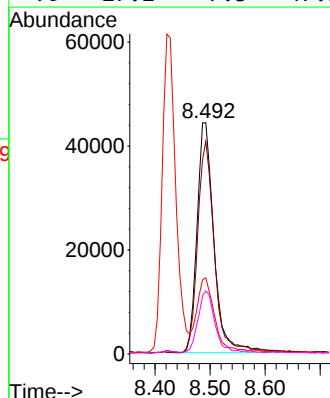
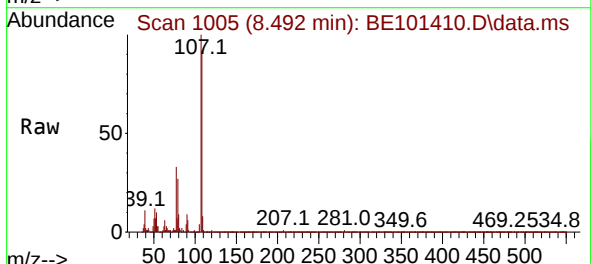
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

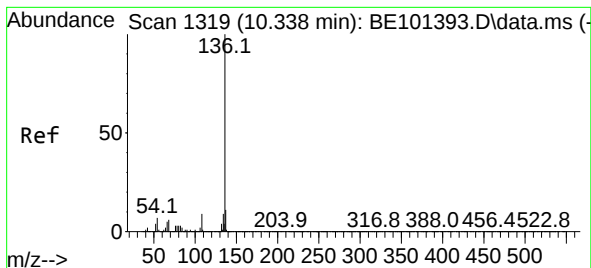
Tgt Ion:	70	Resp:	70448
Ion	Ratio	Lower	Upper
70	100		
42	54.2	43.4	65.0
101	9.4	8.1	12.1
130	22.3	17.3	25.9



#20
3+4-Methylphenols
Concen: 7.570 ng
RT: 8.492 min Scan# 1005
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:	107	Resp:	95389
Ion	Ratio	Lower	Upper
107	100		
108	91.9	70.6	110.6
77	32.9	11.3	51.3
79	27.2	7.3	47.3

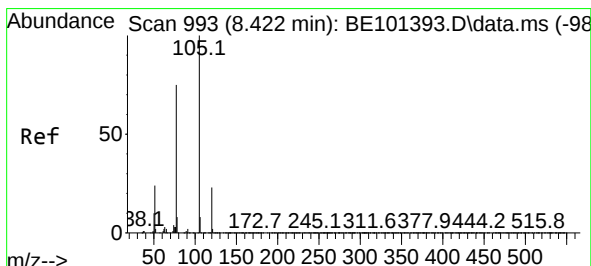
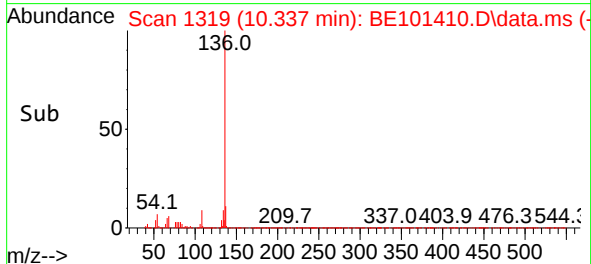
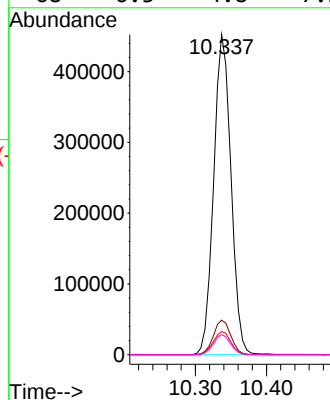
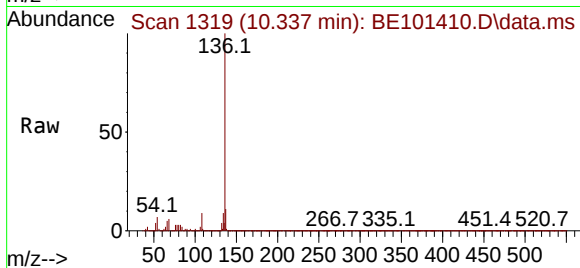




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.337 min Scan# 1319
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

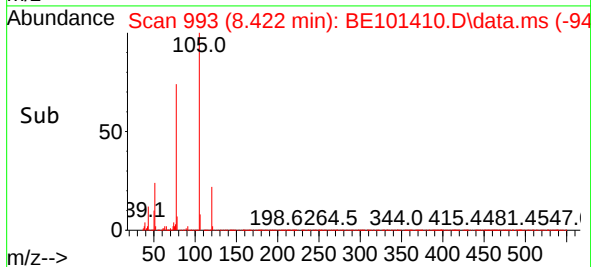
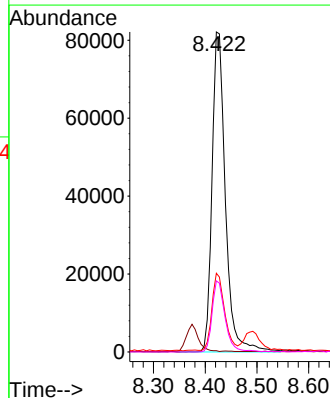
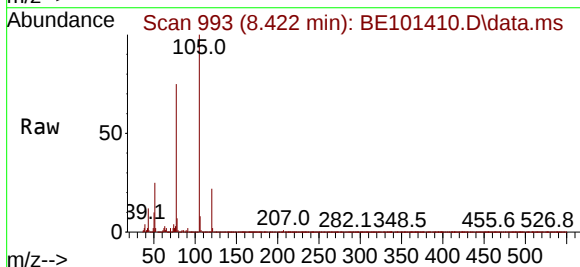
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

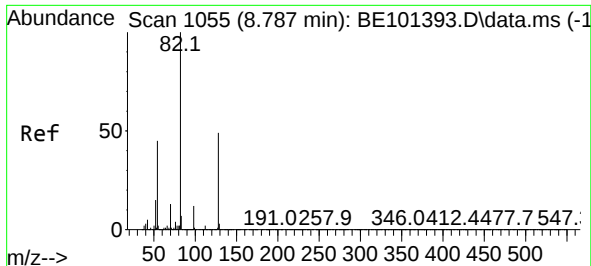
Tgt Ion:	136	Resp:	762928
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	7.2	5.9	8.9
68	6.3	4.8	7.2



#22
Acetophenone
Concen: 8.502 ng
RT: 8.422 min Scan# 993
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:	105	Resp:	147272
Ion	Ratio	Lower	Upper
105	100		
71	0.4	0.1	0.1
51	24.6	19.4	29.0
120	22.2	18.4	27.6

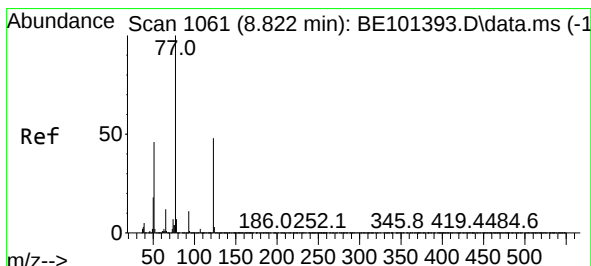
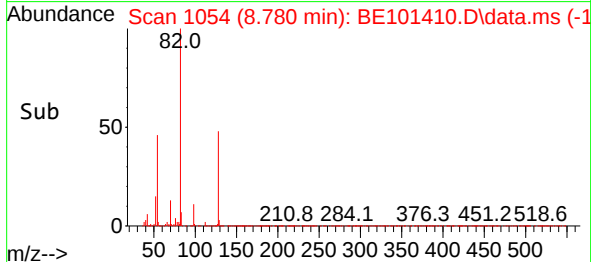
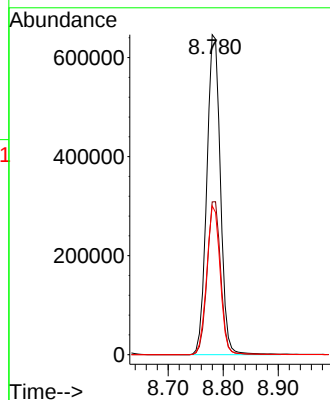
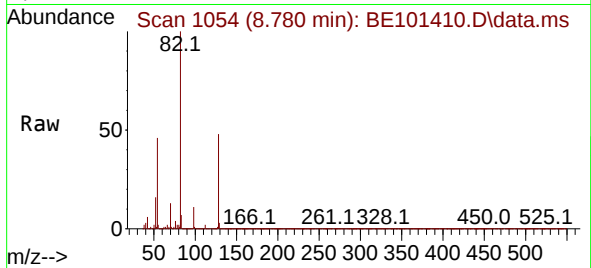




#23
Nitrobenzene-d5
Concen: 91.483 ng
RT: 8.780 min Scan# 1055
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

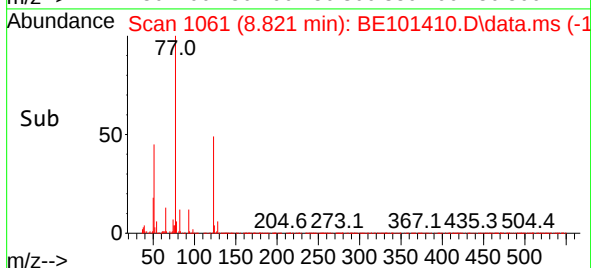
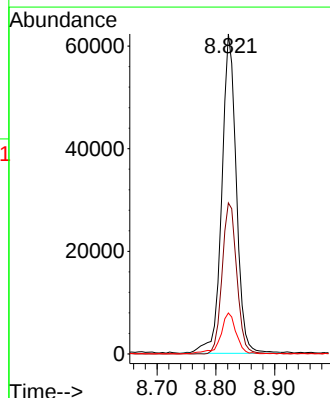
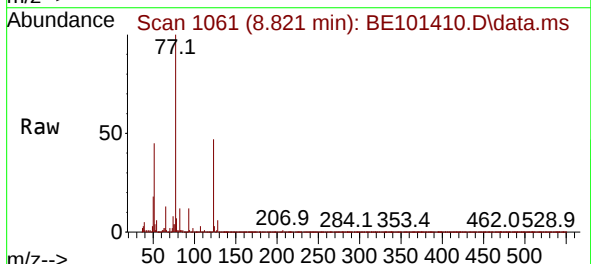
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

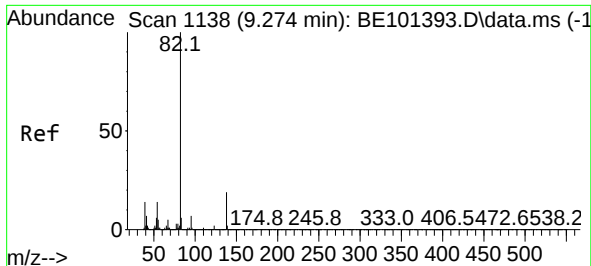
Tgt Ion: 82 Resp: 1111225
Ion Ratio Lower Upper
82 100
128 47.8 38.9 58.3
54 46.5 36.2 54.4



#24
Nitrobenzene
Concen: 8.301 ng
RT: 8.821 min Scan# 1061
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion: 77 Resp: 107316
Ion Ratio Lower Upper
77 100
123 47.2 38.7 58.1
65 12.8 10.0 15.0

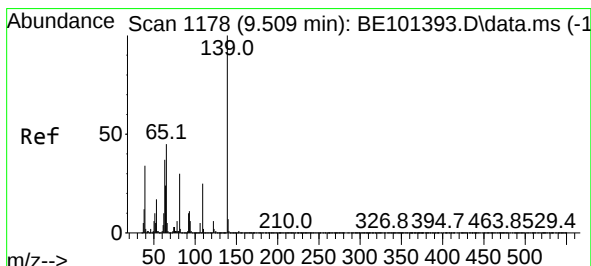
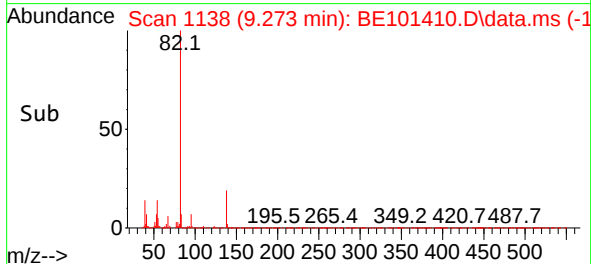
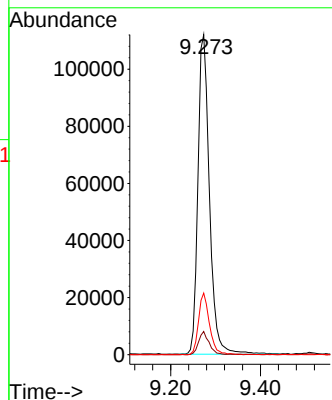
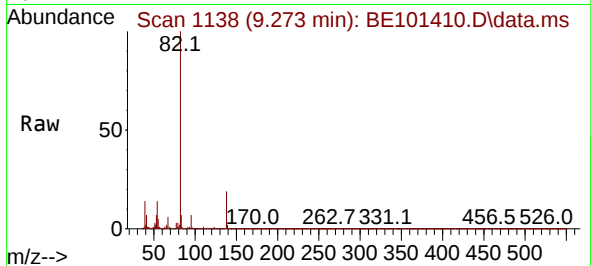




#25
Isophorone
Concen: 8.418 ng
RT: 9.273 min Scan# 1138
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

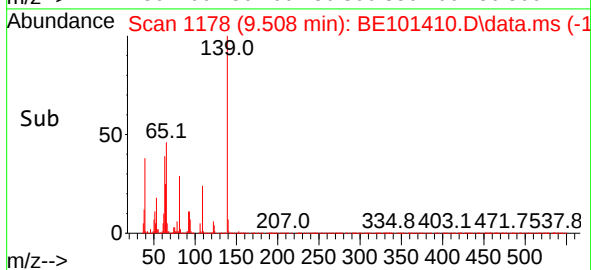
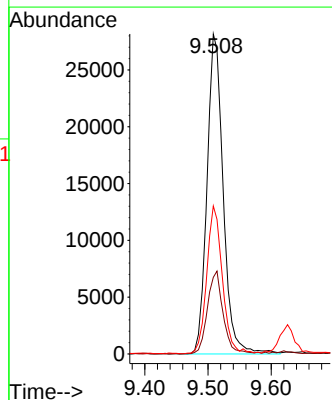
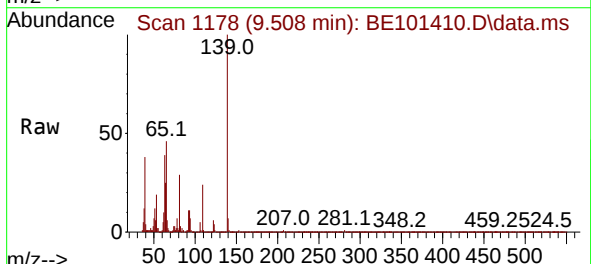
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

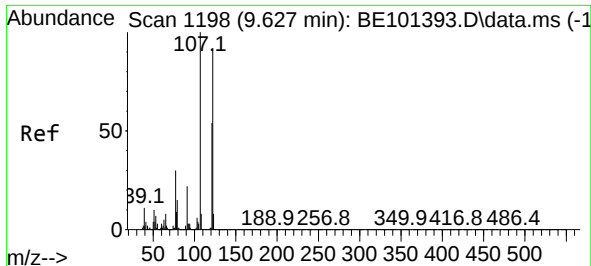
Tgt Ion: 82 Resp: 199542
Ion Ratio Lower Upper
82 100
95 7.2 5.5 8.3
138 19.3 15.0 22.4



#26
2-Nitrophenol
Concen: 8.008 ng
RT: 9.508 min Scan# 1178
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion: 139 Resp: 50041
Ion Ratio Lower Upper
139 100
109 23.9 20.1 30.1
65 46.2 36.0 54.0

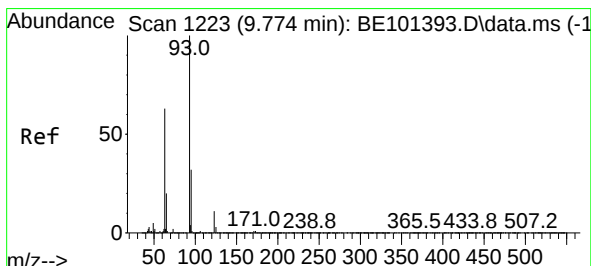
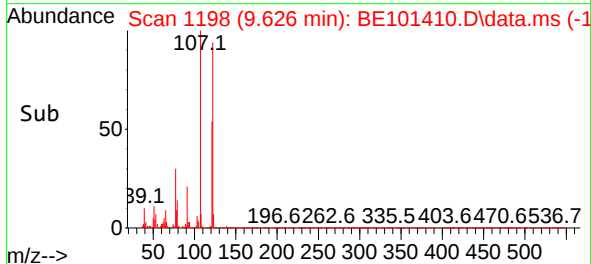
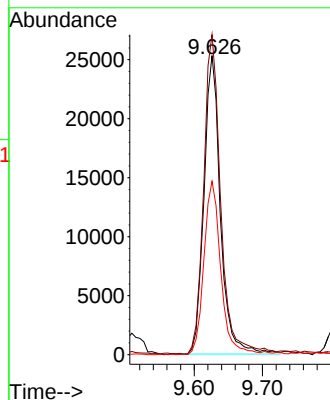
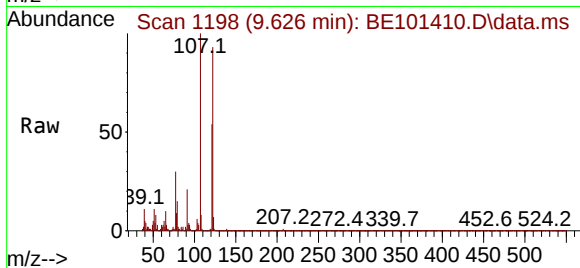




#27
2,4-Dimethylphenol
Concen: 5.406 ng
RT: 9.626 min Scan# 1198
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

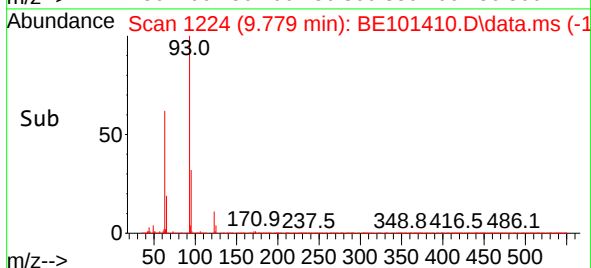
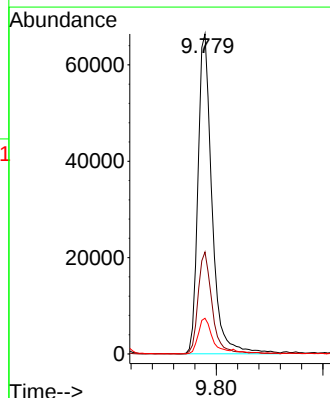
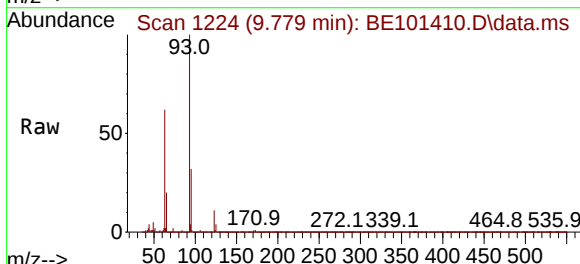
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

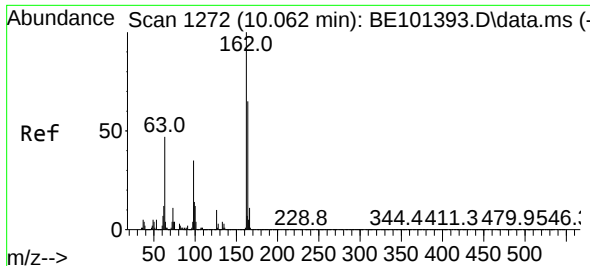
Tgt Ion:	122	Resp:	42506
Ion	Ratio	Lower	Upper
122	100		
107	107.0	87.4	131.0
121	58.0	47.4	71.0



#28
bis(2-Chloroethoxy)methane
Concen: 8.449 ng
RT: 9.779 min Scan# 1224
Delta R.T. 0.005 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:	93	Resp:	121446
Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.8	38.6
123	11.1	8.6	13.0

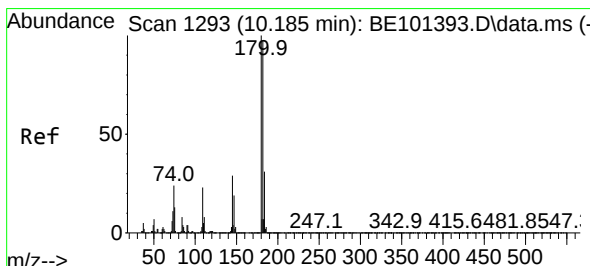
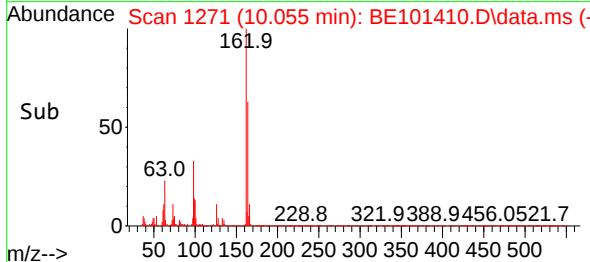
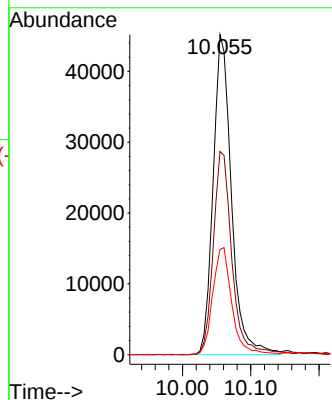
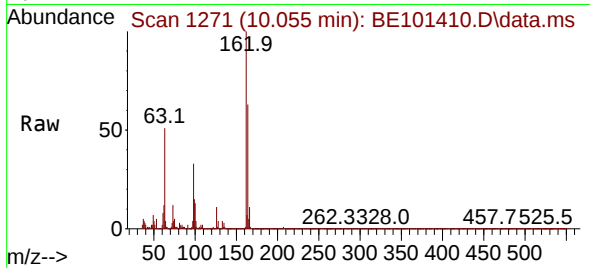




#29
2,4-Dichlorophenol
Concen: 7.762 ng
RT: 10.055 min Scan# 1272
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

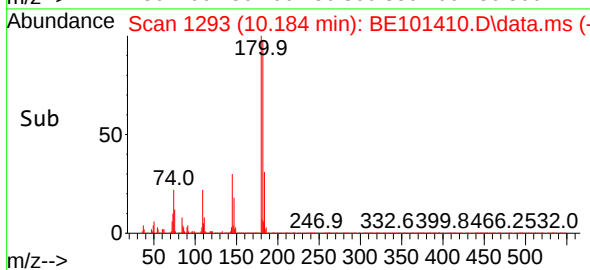
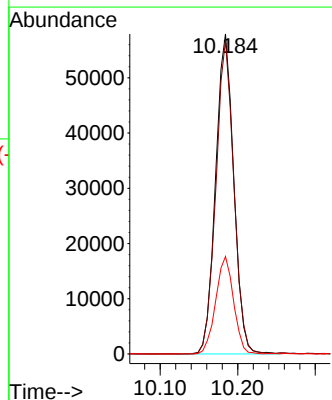
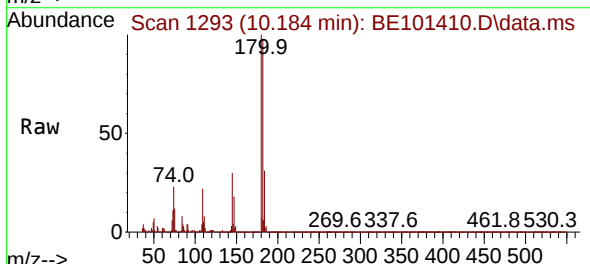
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

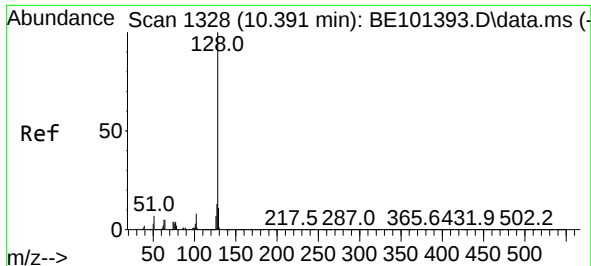
Tgt Ion:162 Resp: 84430
Ion Ratio Lower Upper
162 100
164 63.5 45.4 85.4
98 32.9 14.5 54.5



#30
1,2,4-Trichlorobenzene
Concen: 7.959 ng
RT: 10.184 min Scan# 1293
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:180 Resp: 94317
Ion Ratio Lower Upper
180 100
182 98.0 77.4 116.0
145 30.5 23.3 34.9

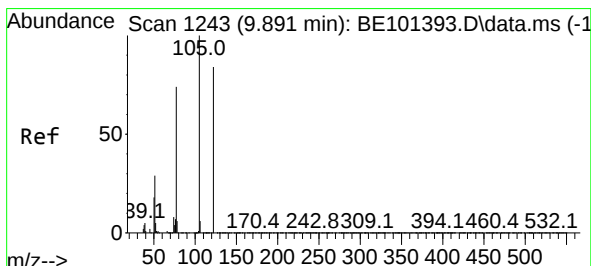
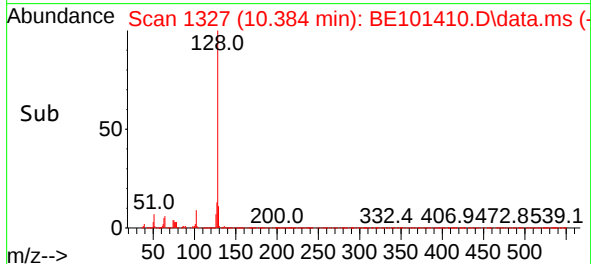
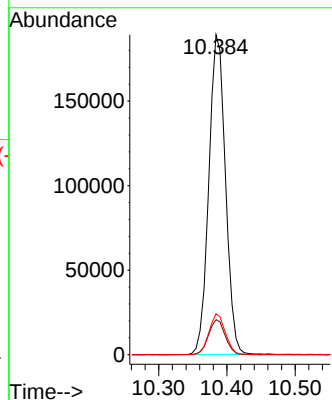
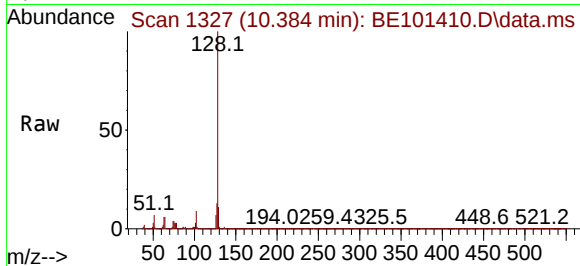




#31
Naphthalene
Concen: 8.267 ng
RT: 10.384 min Scan# 11
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

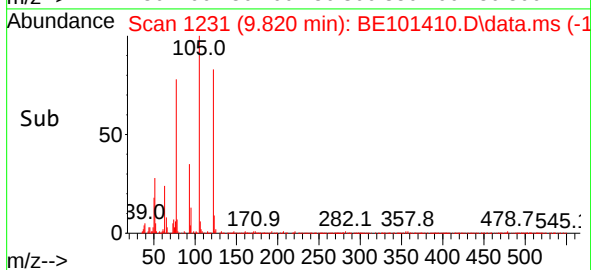
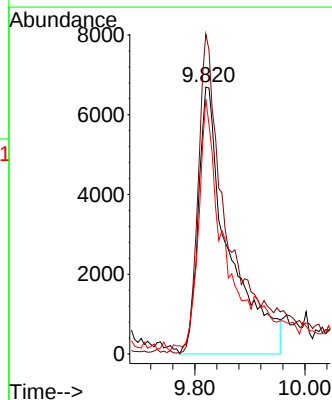
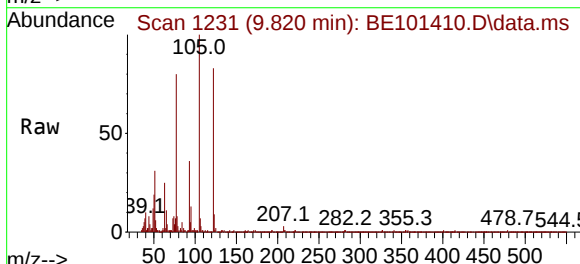
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

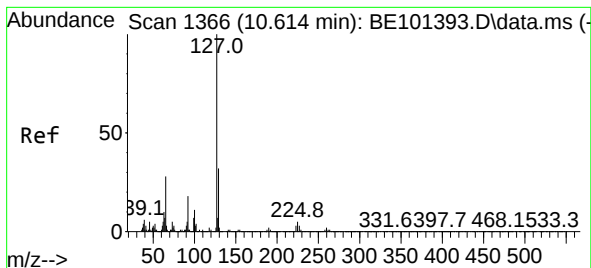
Tgt Ion:128 Resp: 321398
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.8 10.3 15.5



#32
Benzoic acid
Concen: 10.825 ng
RT: 9.820 min Scan# 1231
Delta R.T. -0.071 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:122 Resp: 25463
Ion Ratio Lower Upper
122 100
105 119.9 97.9 137.9
77 95.5 68.1 108.1

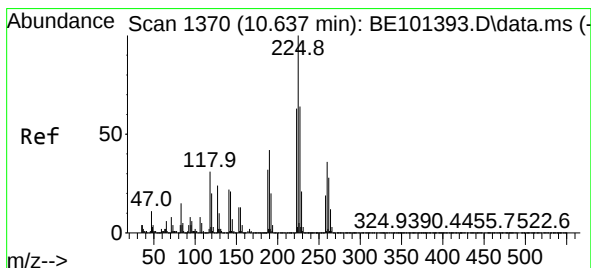
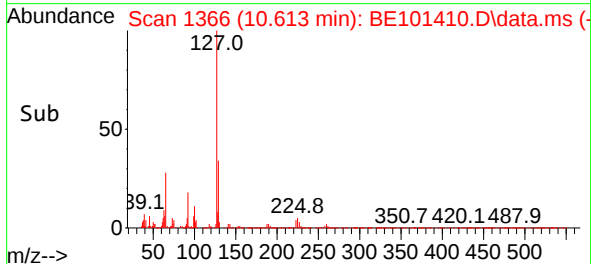
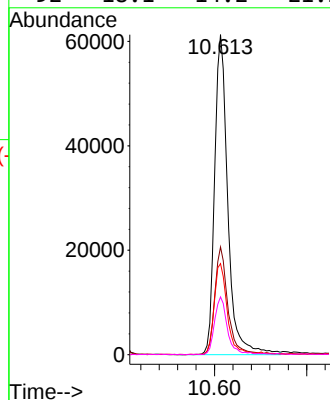
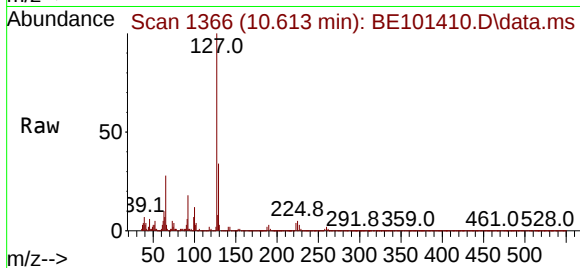




#33
4-Chloroaniline
Concen: 8.992 ng
RT: 10.613 min Scan# 11
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

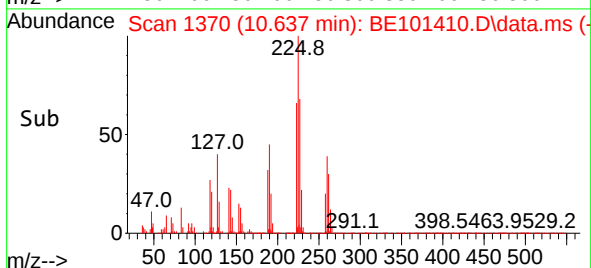
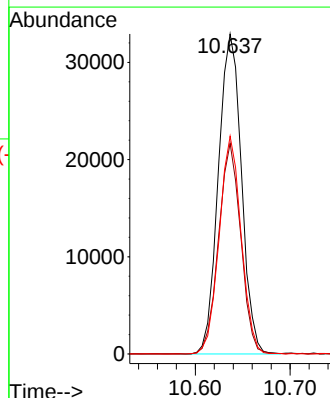
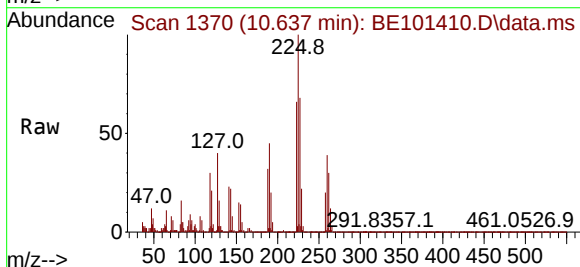
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

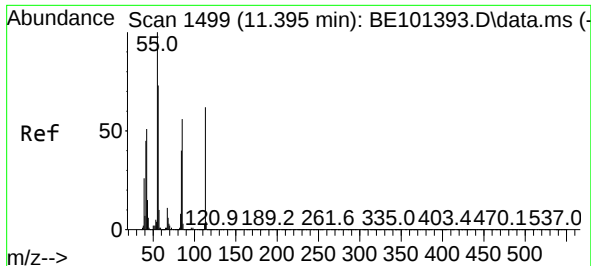
Tgt Ion:	127	Resp:	121568
Ion	Ratio	Lower	Upper
127	100		
129	33.6	25.7	38.5
65	28.4	22.2	33.4
92	18.1	14.2	21.2



#34
Hexachlorobutadiene
Concen: 7.942 ng
RT: 10.637 min Scan# 1370
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:	225	Resp:	55704
Ion	Ratio	Lower	Upper
225	100		
223	65.8	50.5	75.7
227	68.1	51.0	76.6

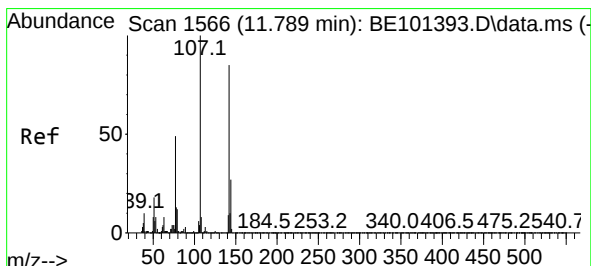
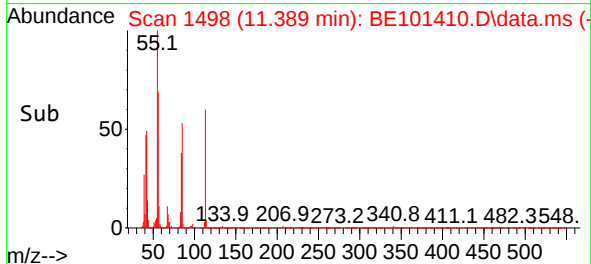
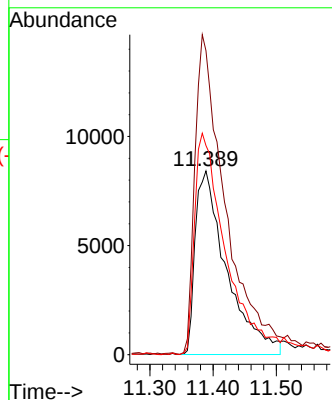
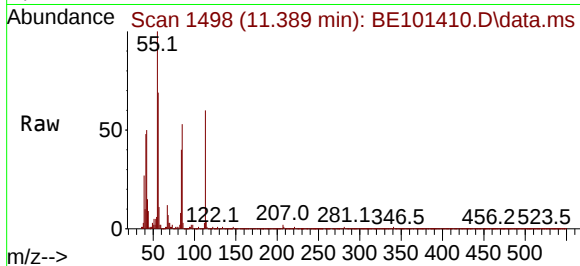




#35
Caprolactam
Concen: 6.990 ng
RT: 11.389 min Scan# 1499
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

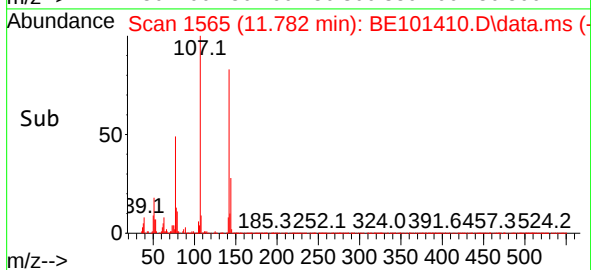
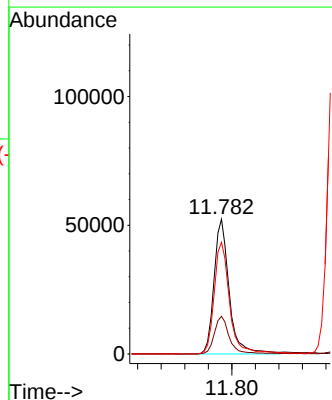
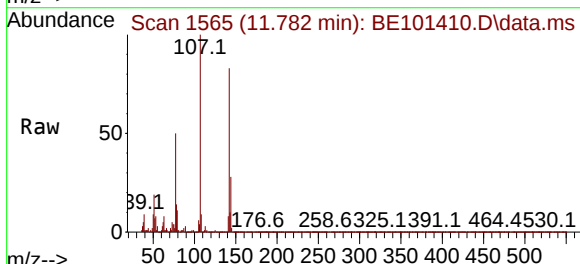
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

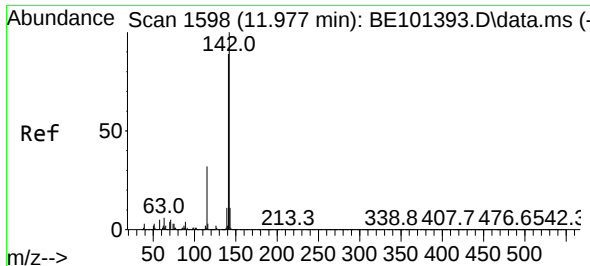
Tgt Ion	Ratio	Lower	Upper
113	100		
55	165.4	141.2	181.2
56	113.8	96.9	136.9



#36
4-Chloro-3-methylphenol
Concen: 7.536 ng
RT: 11.782 min Scan# 1565
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.9	21.9	32.9
142	82.7	68.0	102.0

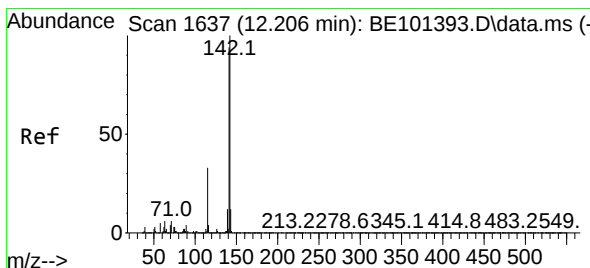
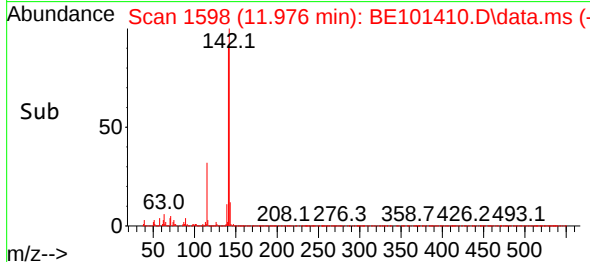
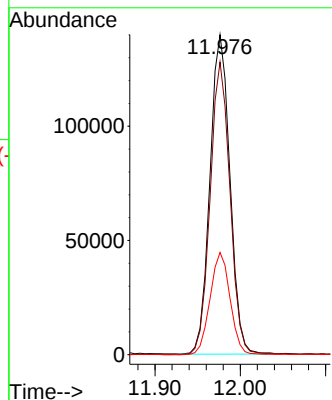
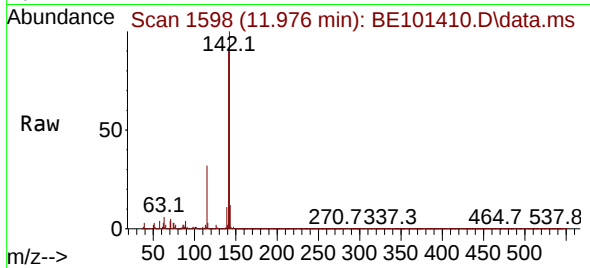




#37
2-Methylnaphthalene
Concen: 8.148 ng
RT: 11.976 min Scan# 1598
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

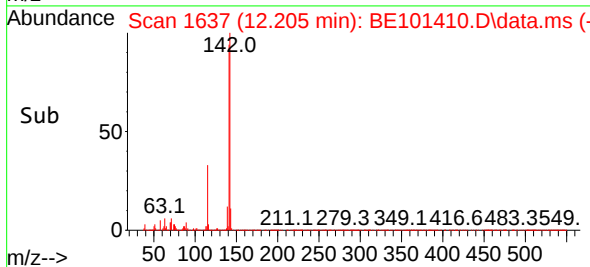
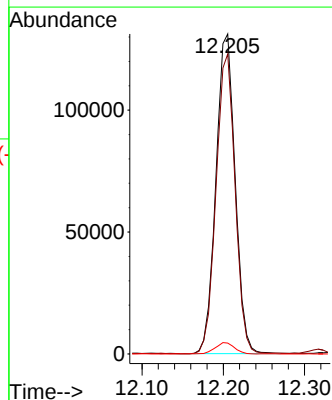
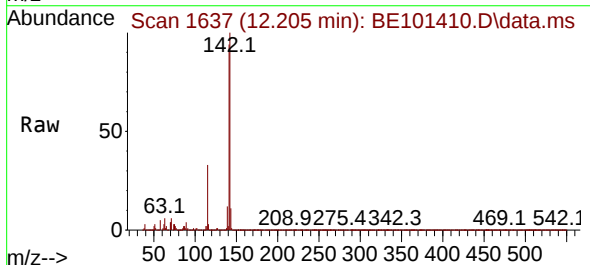
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

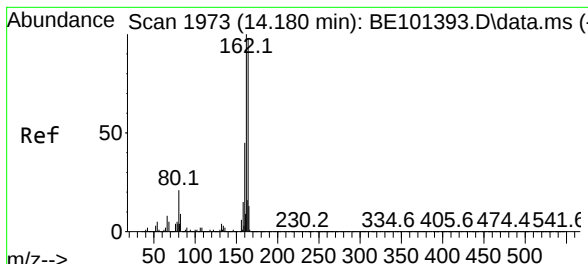
Tgt Ion:142 Resp: 228228
Ion Ratio Lower Upper
142 100
141 91.4 71.4 107.2
115 32.0 25.6 38.4



#38
1-Methylnaphthalene
Concen: 7.711 ng
RT: 12.205 min Scan# 1637
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:142 Resp: 215561
Ion Ratio Lower Upper
142 100
141 93.7 75.0 112.4
116 3.4 2.9 4.3



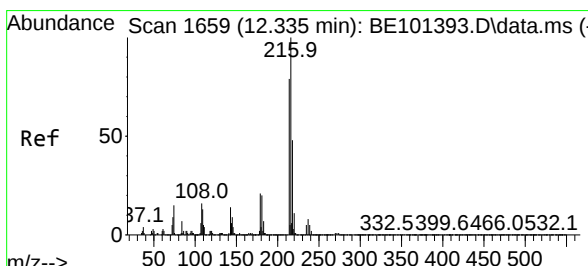
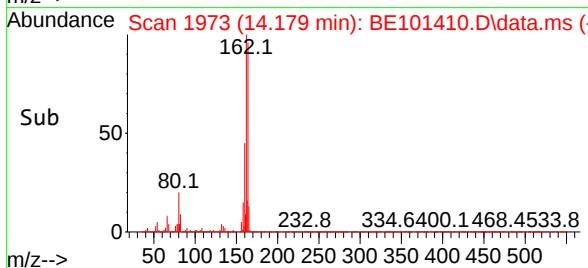
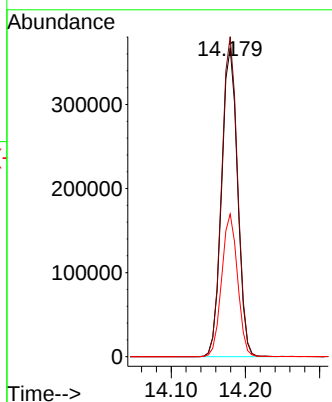
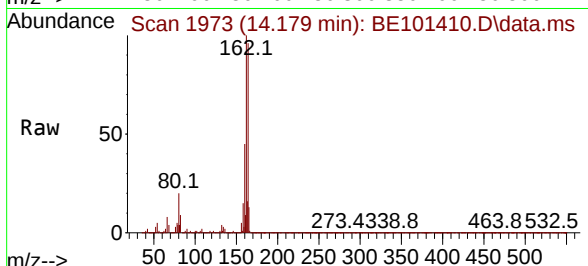


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.179 min Scan# 1973
 Delta R.T. -0.001 min
 Lab File: BE101410.D
 Acq: 29 Oct 2024 16:53

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

Tgt Ion:164 Resp: 546294

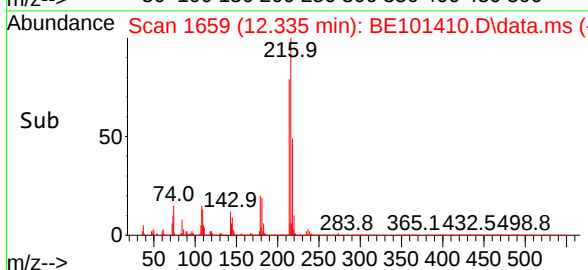
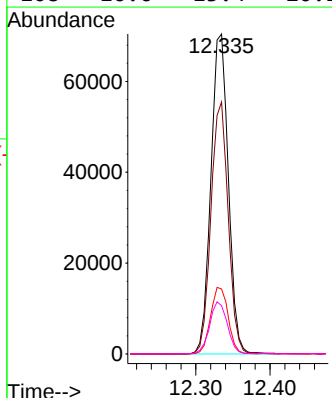
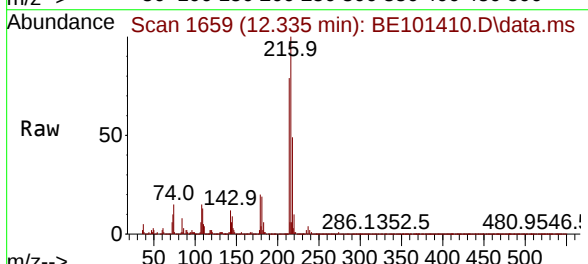
Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.3	121.9
160	46.3	36.4	54.6

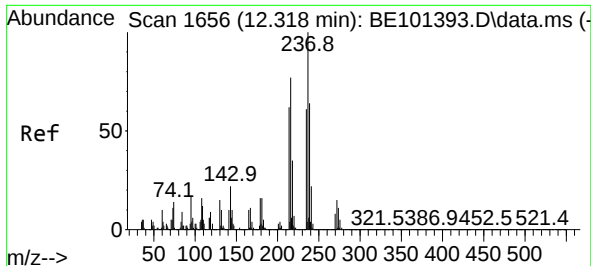


#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 8.383 ng
 RT: 12.335 min Scan# 1659
 Delta R.T. -0.001 min
 Lab File: BE101410.D
 Acq: 29 Oct 2024 16:53

Tgt Ion:216 Resp: 114962

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.0	94.4
179	21.1	16.7	25.1
108	16.6	13.4	20.2

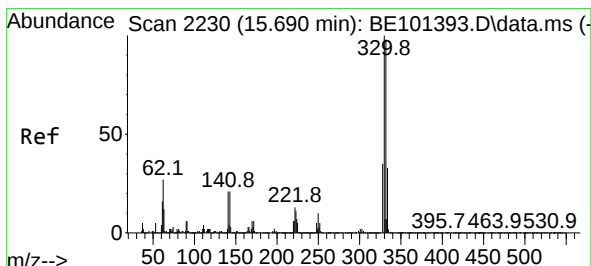
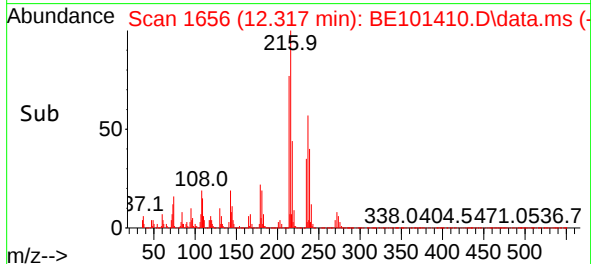
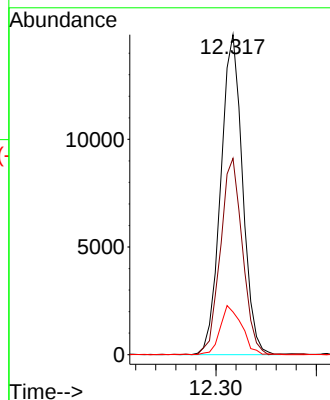
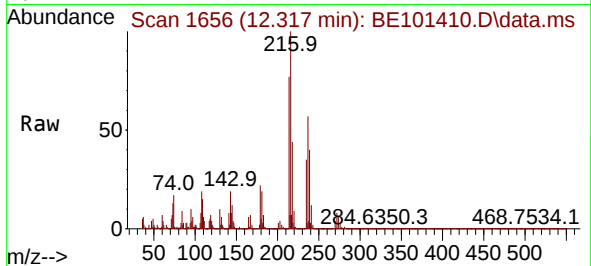




#41
Hexachlorocyclopentadiene
Concen: 4.934 ng
RT: 12.317 min Scan# 1
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

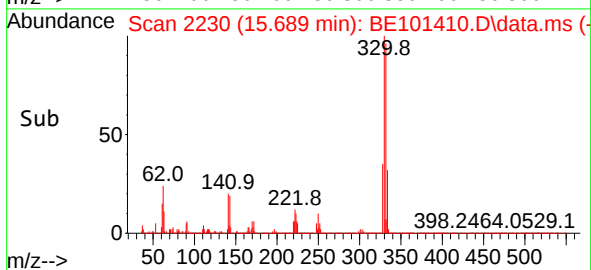
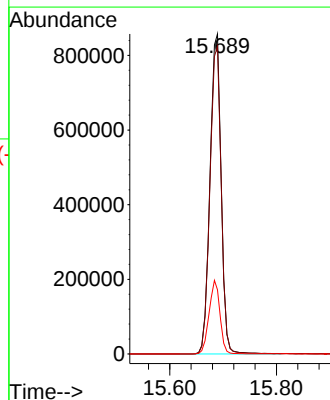
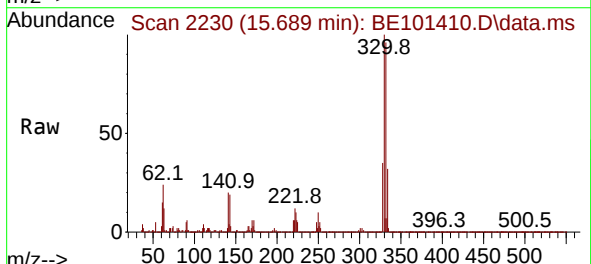
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

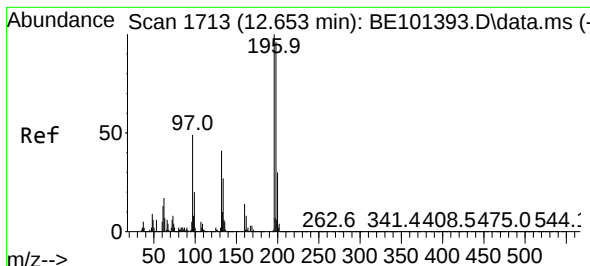
Tgt Ion:237	Resp:	22348
Ion Ratio	Lower	Upper
237	100	
235	61.4	41.3 81.3
272	13.3	0.0 34.6



#42
2,4,6-Tribromophenol
Concen: 130.078 ng
RT: 15.689 min Scan# 2230
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:330	Resp:	1245468
Ion Ratio	Lower	Upper
330	100	
332	97.1	78.2 117.2
141	22.4	18.3 27.5





#43

2,4,6-Trichlorophenol

Concen: 7.910 ng

RT: 12.652 min Scan# 1713

Delta R.T. -0.001 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

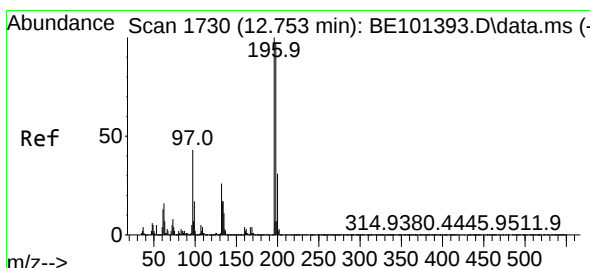
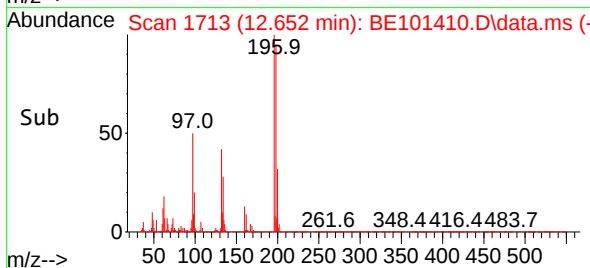
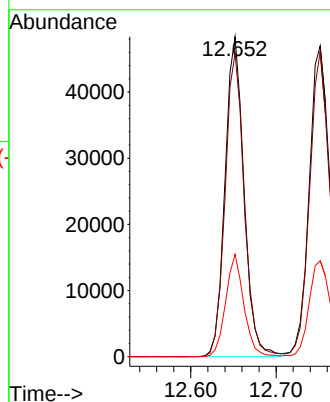
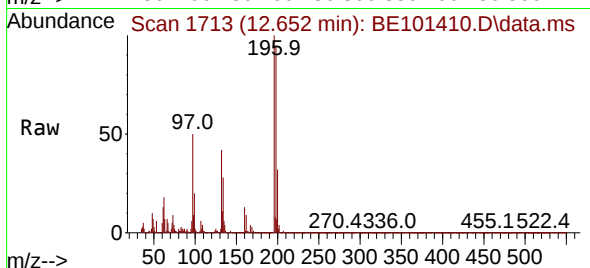
Tgt Ion:196 Resp: 74778

Ion Ratio Lower Upper

196 100

198 94.8 76.6 115.0

200 32.0 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 7.739 ng

RT: 12.752 min Scan# 1730

Delta R.T. -0.001 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Tgt Ion:196 Resp: 83786

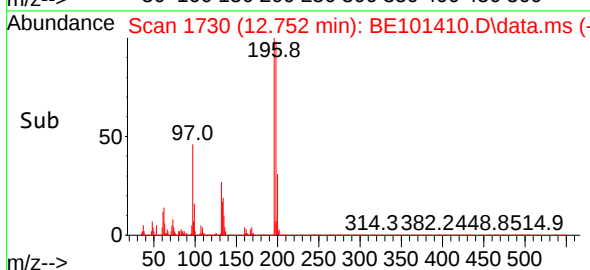
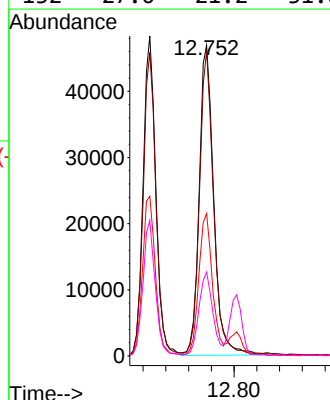
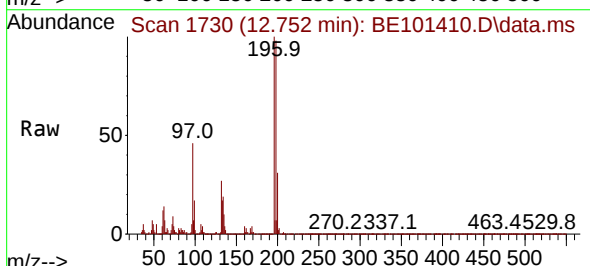
Ion Ratio Lower Upper

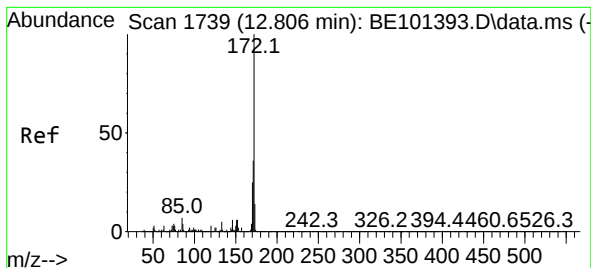
196 100

198 98.2 77.4 116.0

97 45.8 34.8 52.2

132 27.0 21.2 31.8





#45

2-Fluorobiphenyl

Concen: 88.533 ng

RT: 12.805 min Scan# 1739

Delta R.T. -0.001 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

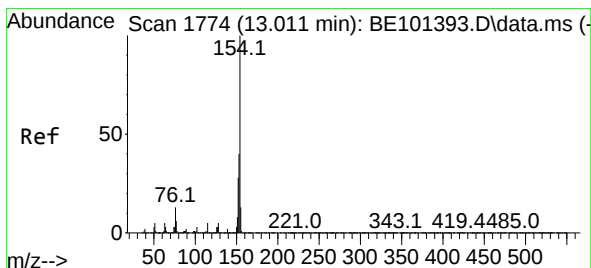
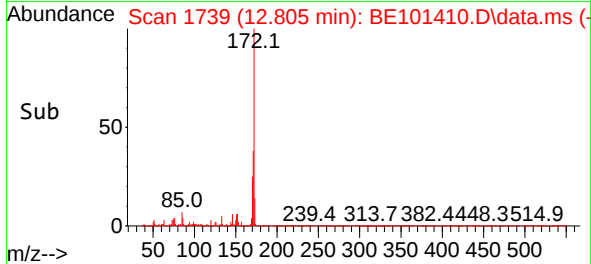
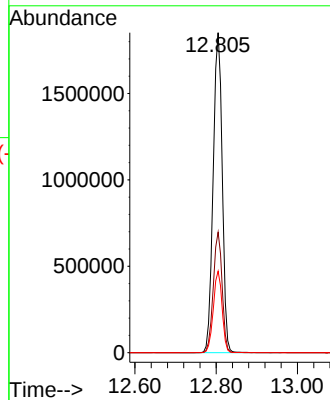
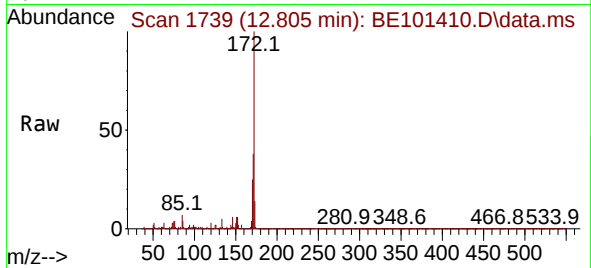
Tgt Ion:172 Resp: 2855849

Ion Ratio Lower Upper

172 100

171 37.7 29.2 43.8

170 25.5 19.8 29.6



#46

1,1'-Biphenyl

Concen: 8.637 ng

RT: 13.004 min Scan# 1773

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

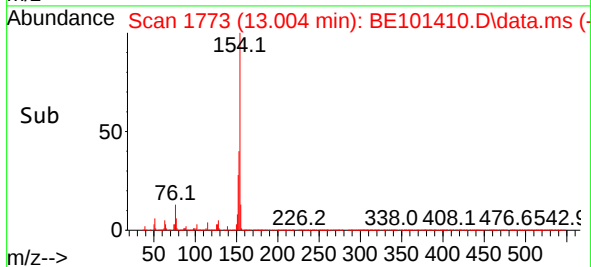
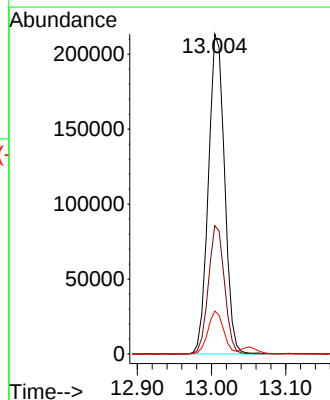
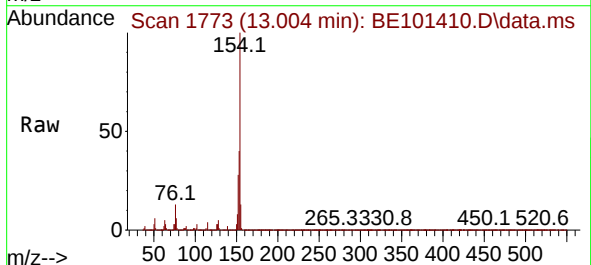
Tgt Ion:154 Resp: 323260

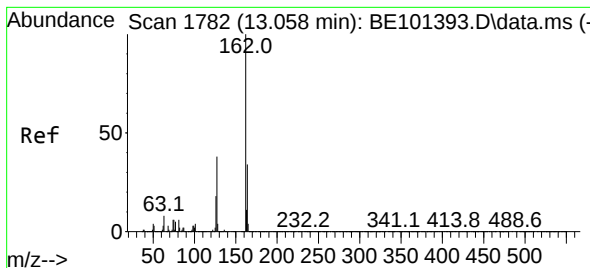
Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

76 13.4 0.0 32.6





#47

2-Chloronaphthalene

Concen: 8.156 ng

RT: 13.051 min Scan# 1781

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

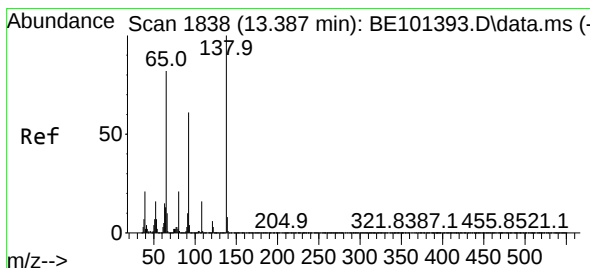
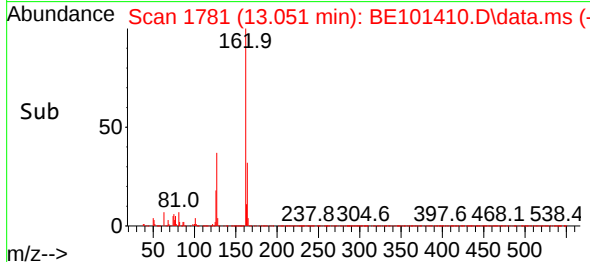
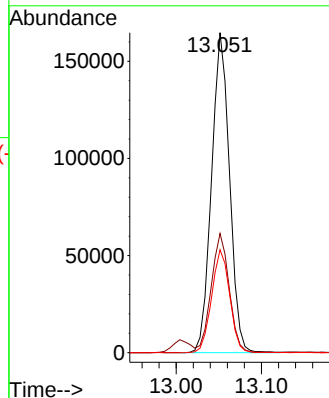
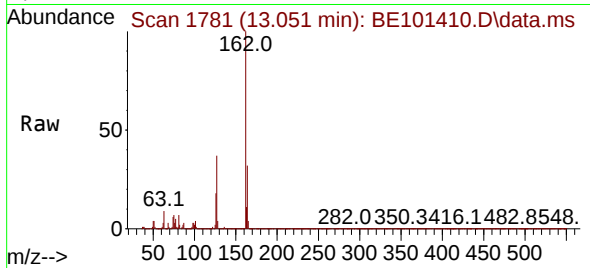
Tgt Ion:162 Resp: 241159

Ion Ratio Lower Upper

162 100

127 37.2 30.4 45.6

164 32.1 27.0 40.6



#48

2-Nitroaniline

Concen: 7.276 ng

RT: 13.380 min Scan# 1837

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

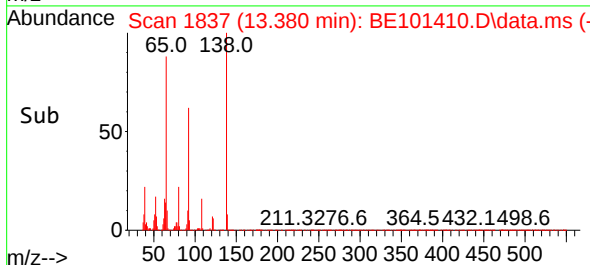
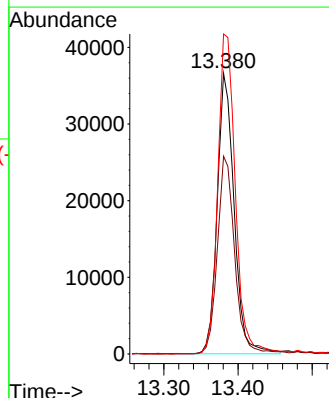
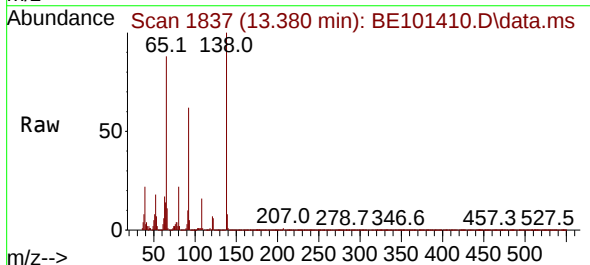
Tgt Ion: 65 Resp: 57899

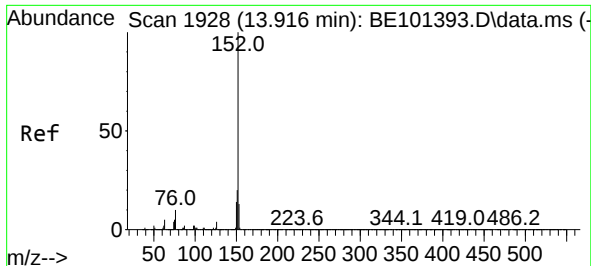
Ion Ratio Lower Upper

65 100

92 70.5 59.0 88.4

138 114.0 97.4 146.0

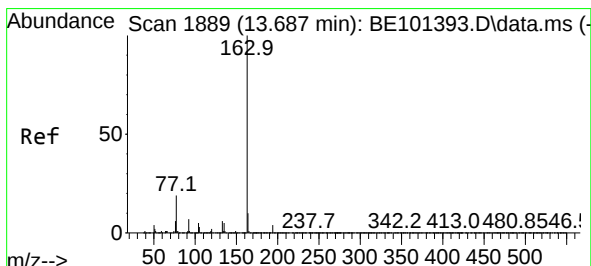
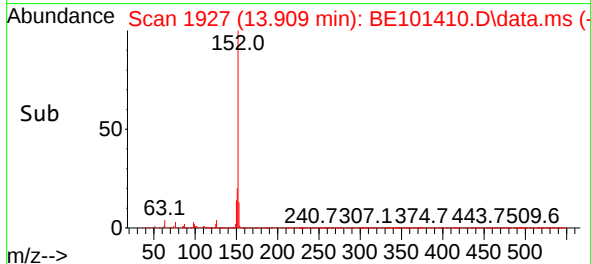
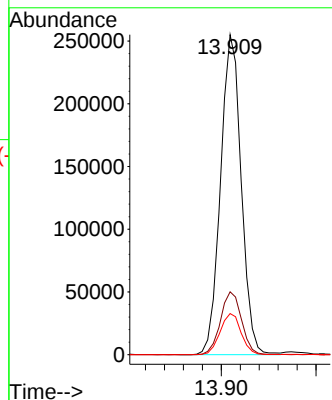
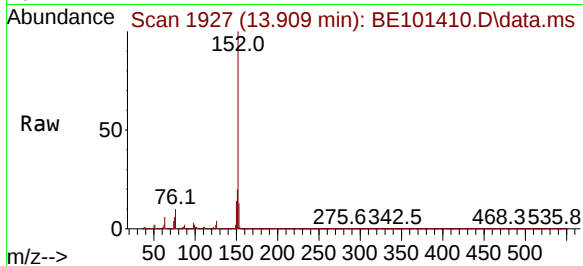




#49
Acenaphthylene
Concen: 8.843 ng
RT: 13.909 min Scan# 1928
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

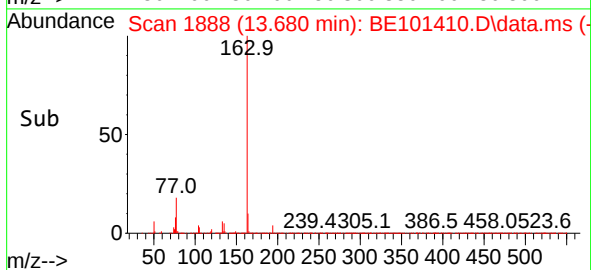
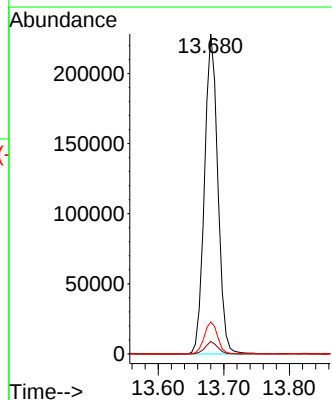
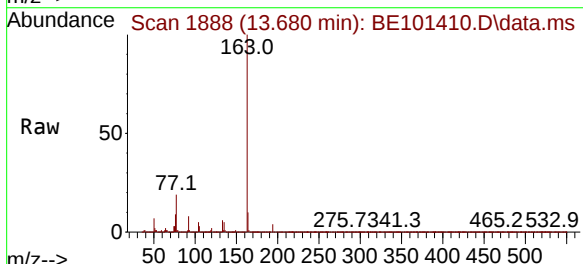
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

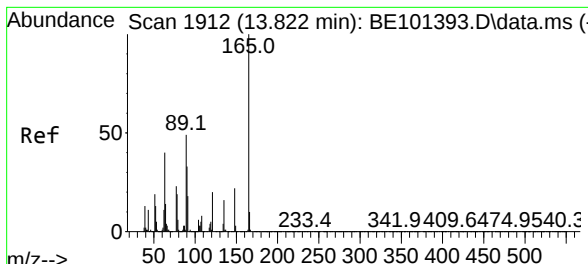
Tgt Ion:152 Resp: 386698
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.4
153 12.9 10.5 15.7



#50
Dimethylphthalate
Concen: 8.376 ng
RT: 13.680 min Scan# 1888
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:163 Resp: 322993
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 10.0 8.4 12.6

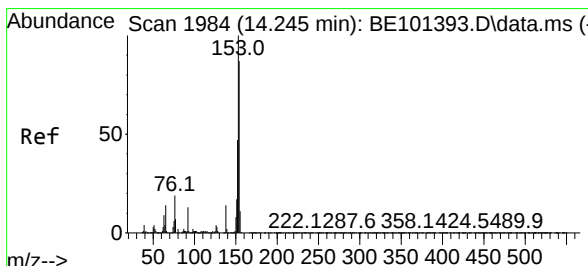
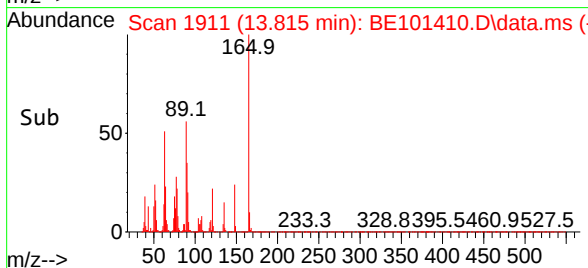
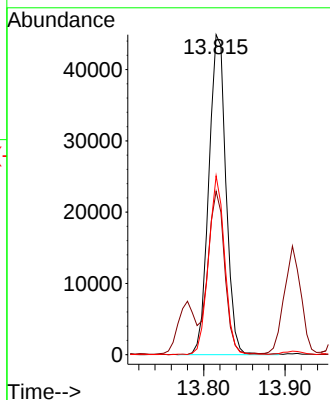
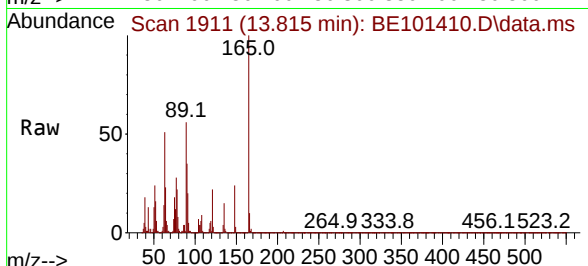




#51
2,6-Dinitrotoluene
Concen: 7.370 ng
RT: 13.815 min Scan# 1911
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

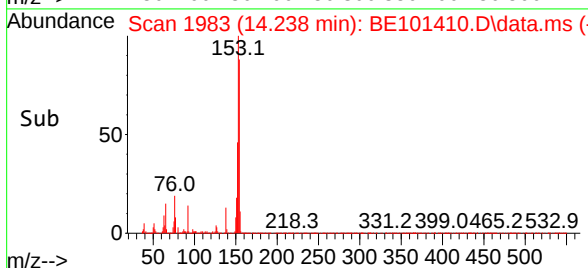
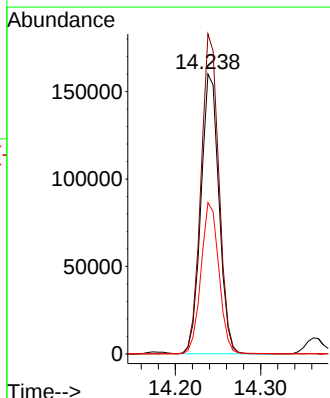
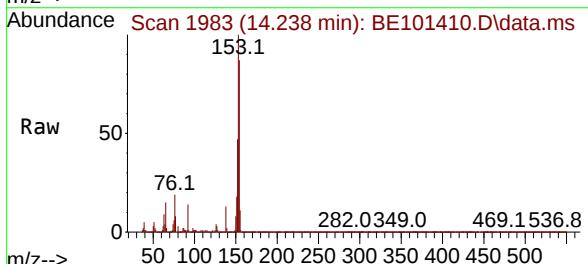
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

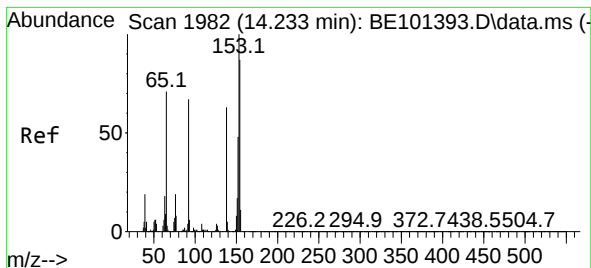
Tgt Ion:	165	Resp:	65610
Ion Ratio	Lower	Upper	
165	100		
63	51.1	38.0	57.0
89	55.9	39.5	59.3



#52
Acenaphthene
Concen: 8.196 ng
RT: 14.238 min Scan# 1983
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:	154	Resp:	234028
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.8	137.6
152	54.1	43.1	64.7





#53

3-Nitroaniline

Concen: 7.874 ng

RT: 14.226 min Scan# 1982

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

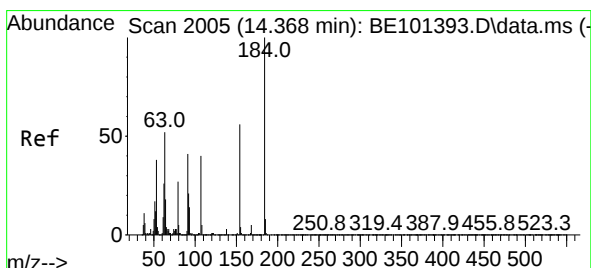
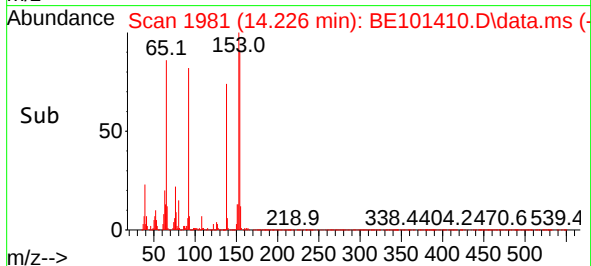
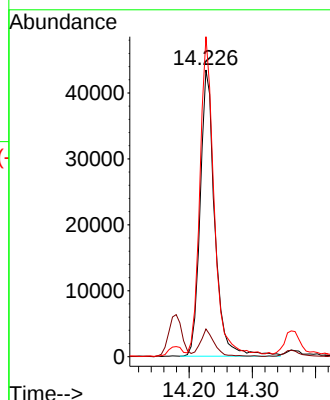
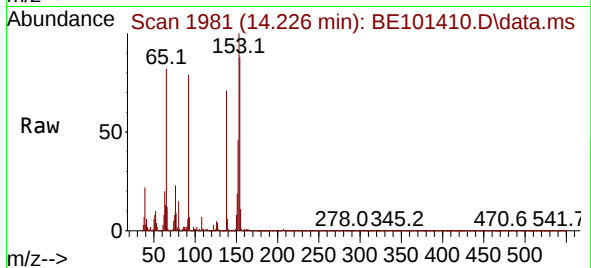
Tgt Ion:138 Resp: 69706

Ion Ratio Lower Upper

138 100

108 9.7 7.1 10.7

92 111.6 84.4 126.6



#54

2,4-Dinitrophenol

Concen: 9.597 ng

RT: 14.362 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

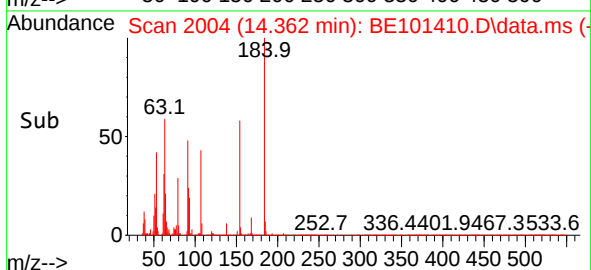
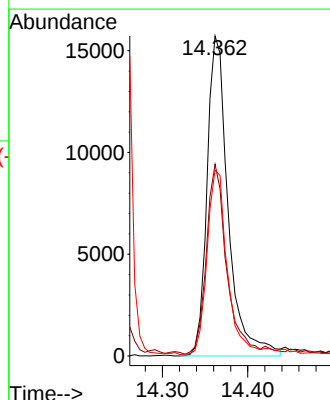
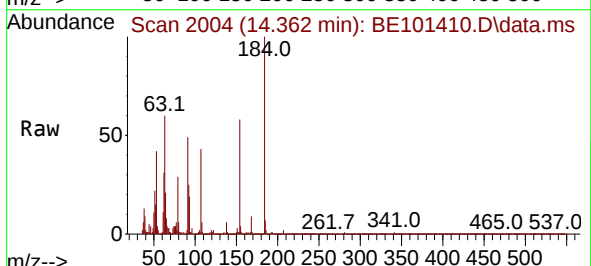
Tgt Ion:184 Resp: 27079

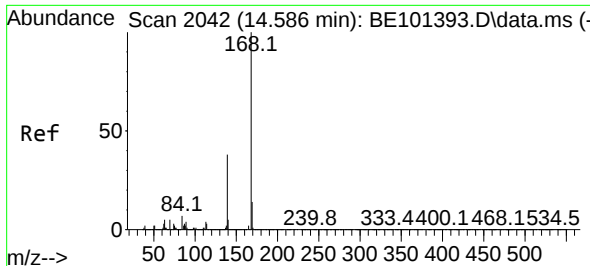
Ion Ratio Lower Upper

184 100

63 59.9 41.8 62.6

154 58.1 44.9 67.3

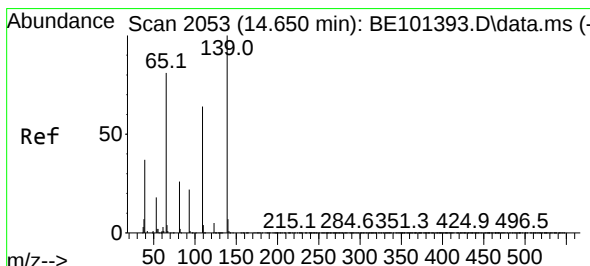
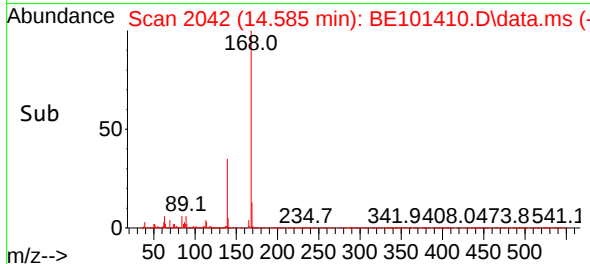
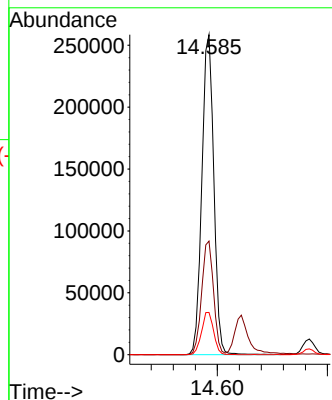
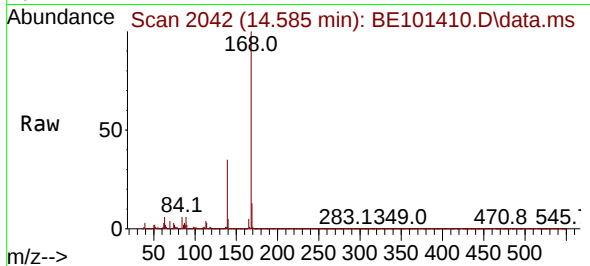




#55
Dibenzenofuran
Concen: 8.562 ng
RT: 14.585 min Scan# 2042
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

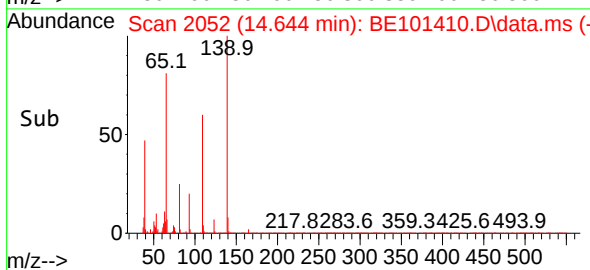
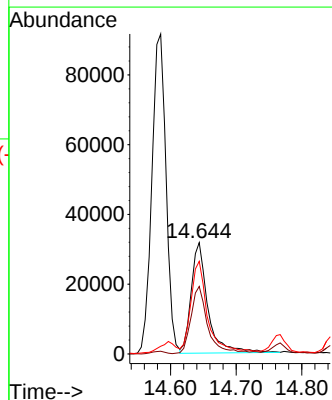
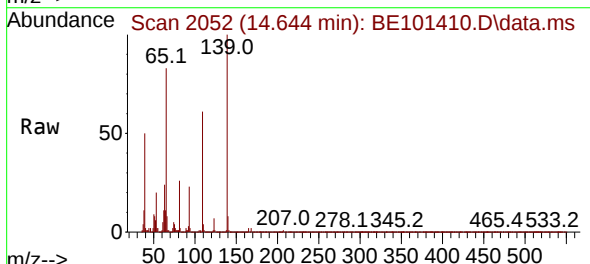
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

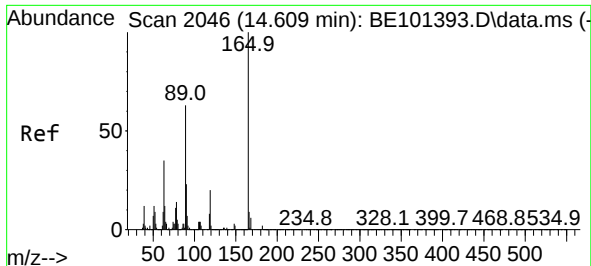
Tgt Ion:168 Resp: 389654
Ion Ratio Lower Upper
168 100
139 35.5 30.2 45.4
169 13.2 11.0 16.4



#56
4-Nitrophenol
Concen: 6.887 ng
RT: 14.644 min Scan# 2052
Delta R.T. -0.006 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:139 Resp: 55829
Ion Ratio Lower Upper
139 100
109 60.6 42.4 82.4
65 83.1 63.4 103.4

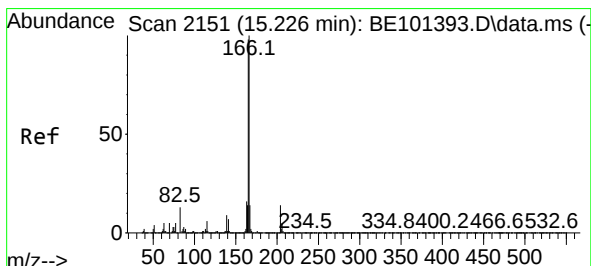
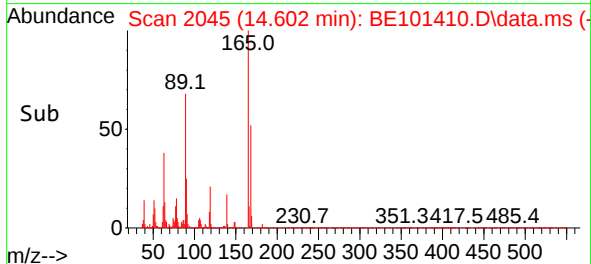
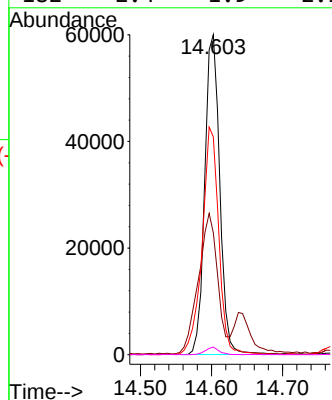
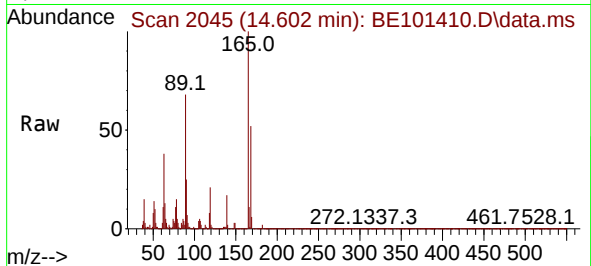




#57
2,4-Dinitrotoluene
Concen: 7.214 ng
RT: 14.602 min Scan# 2045
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

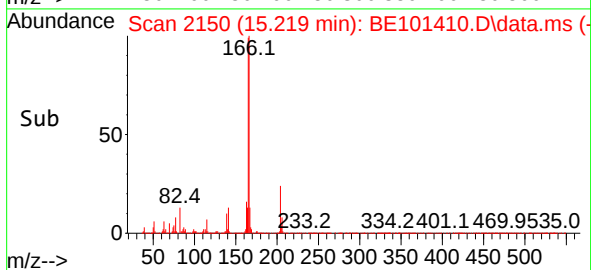
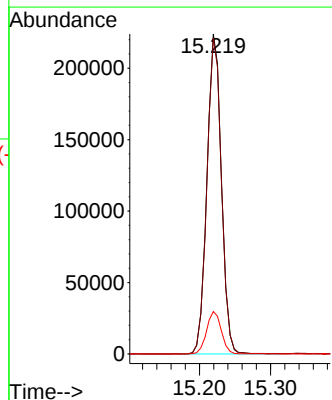
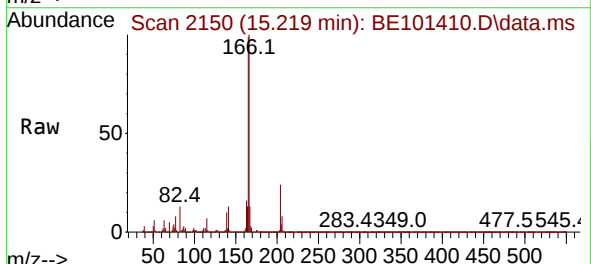
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

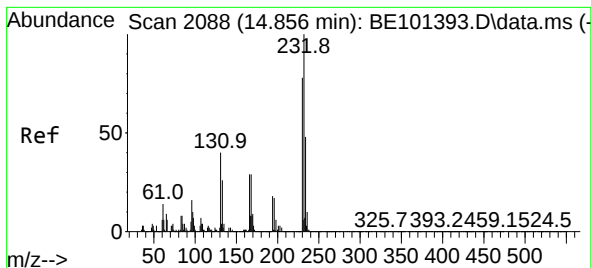
Tgt Ion:	165	Resp:	88417
Ion Ratio	Lower	Upper	
165	100		
63	38.1	28.6	42.8
89	68.0	50.8	76.2
182	2.4	1.9	2.9



#58
Fluorene
Concen: 8.308 ng
RT: 15.219 min Scan# 2150
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:	166	Resp:	316312
Ion Ratio	Lower	Upper	
166	100		
165	98.7	78.7	118.1
167	13.2	11.0	16.4

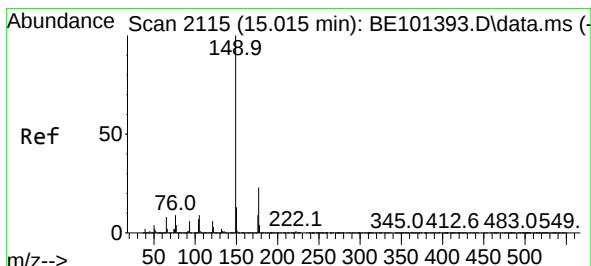
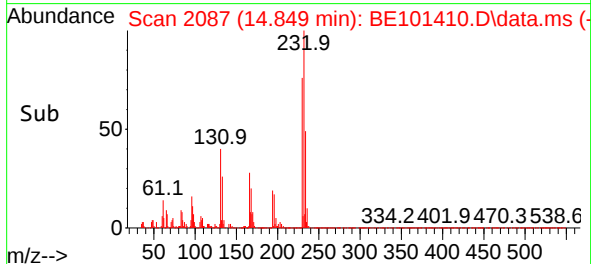
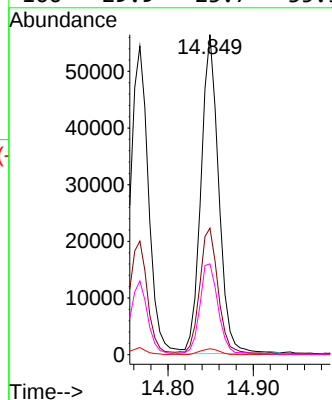
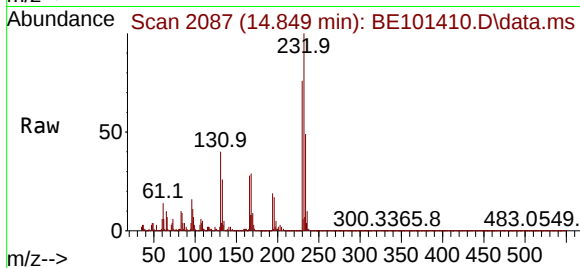




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.115 ng
RT: 14.849 min Scan# 2087
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

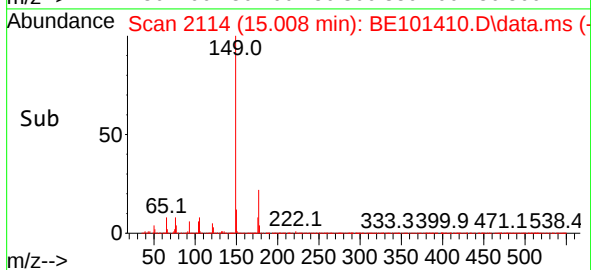
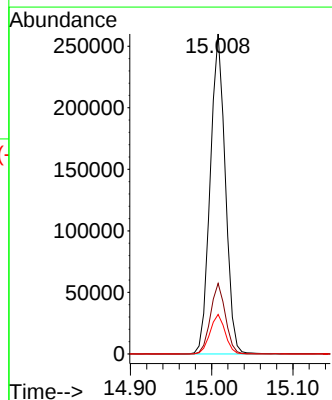
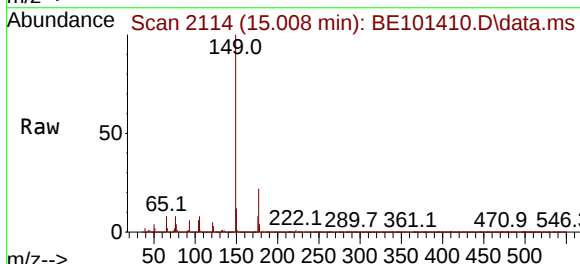
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

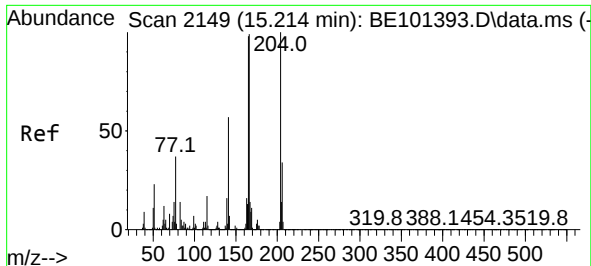
Tgt Ion:232	Resp:	81171
Ion Ratio	Lower	Upper
232	100	
131	41.7	33.5 50.3
130	2.0	1.6 2.4
166	29.9	23.7 35.5



#60
Diethylphthalate
Concen: 8.279 ng
RT: 15.008 min Scan# 2114
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:149	Resp:	333942
Ion Ratio	Lower	Upper
149	100	
177	22.1	18.0 27.0
150	12.4	10.3 15.5

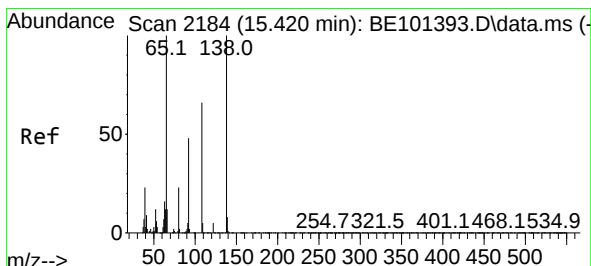
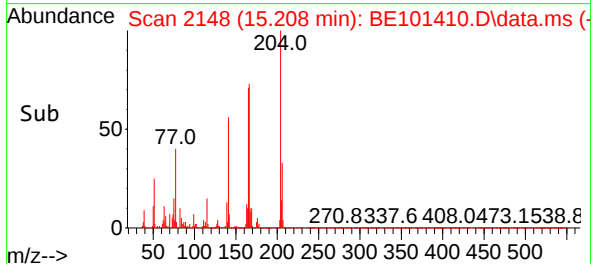
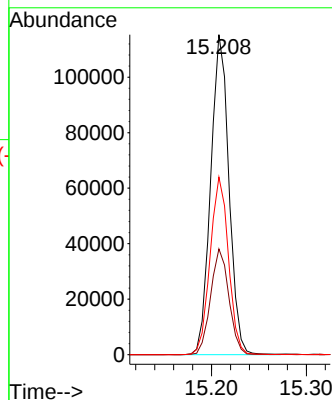
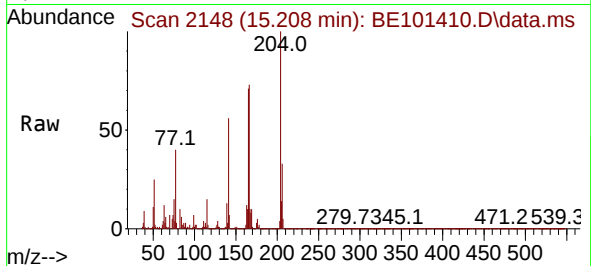




#61
4-Chlorophenyl-phenylether
Concen: 8.154 ng
RT: 15.208 min Scan# 2148
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

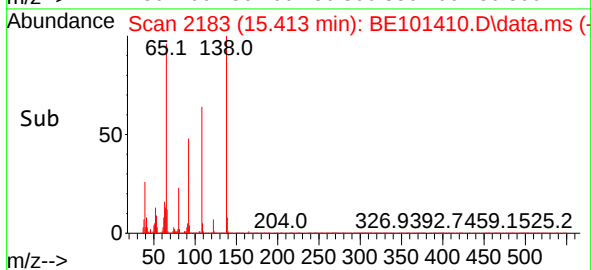
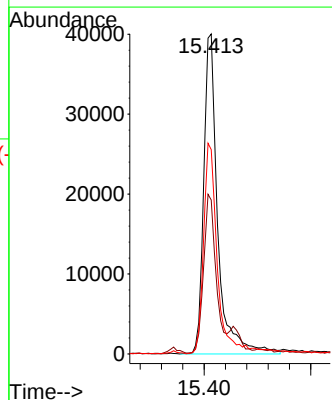
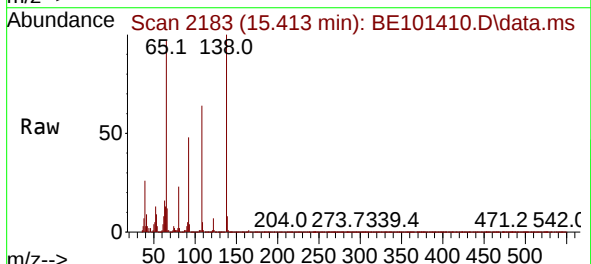
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

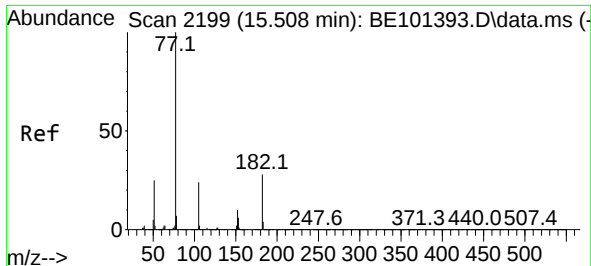
Tgt Ion:204 Resp: 154045
Ion Ratio Lower Upper
204 100
206 33.1 26.9 40.3
141 55.5 45.9 68.9



#62
4-Nitroaniline
Concen: 7.435 ng
RT: 15.413 min Scan# 2183
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:138 Resp: 73239
Ion Ratio Lower Upper
138 100
92 48.1 28.7 68.7
108 63.8 46.5 86.5

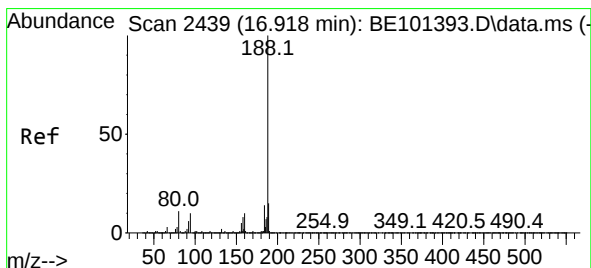
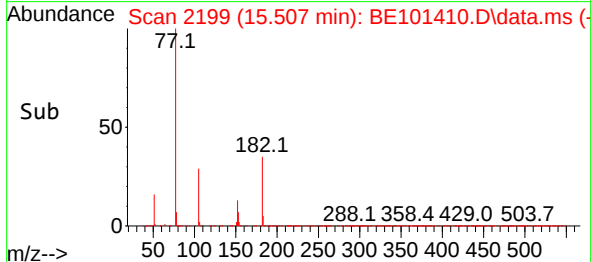
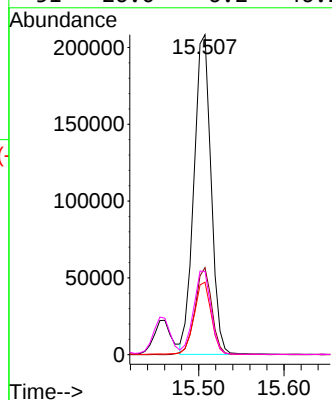
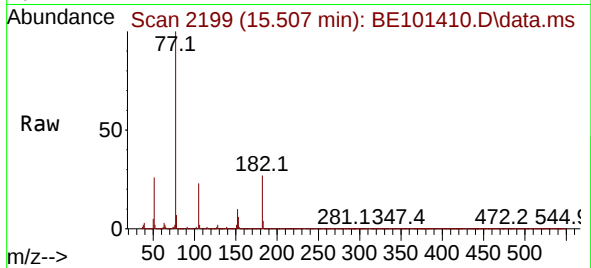




#63
Azobenzene
Concen: 8.381 ng
RT: 15.507 min Scan# 2199
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

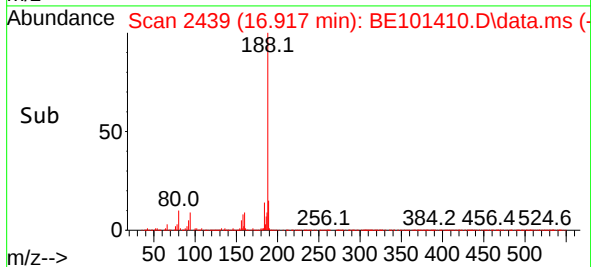
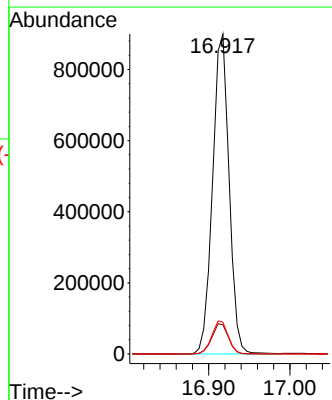
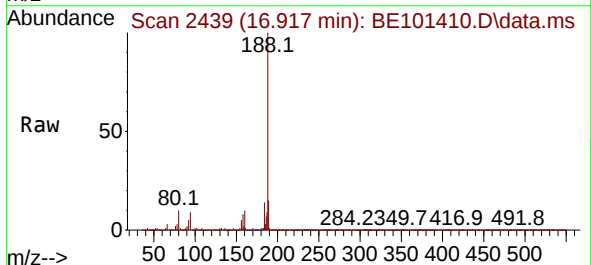
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

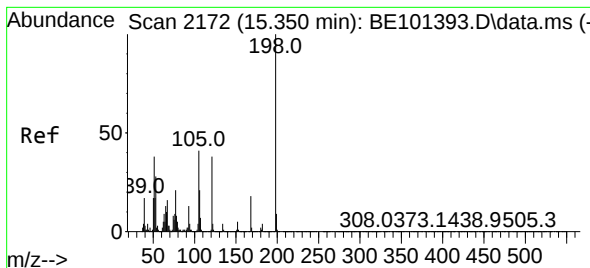
Tgt Ion:	77	Resp:	290554
Ion	Ratio	Lower	Upper
77	100		
182	27.2	7.6	47.6
105	22.7	3.2	43.2
51	26.0	6.2	46.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.917 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:	188	Resp:	1268441
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.8	11.8
80	9.9	8.6	12.8

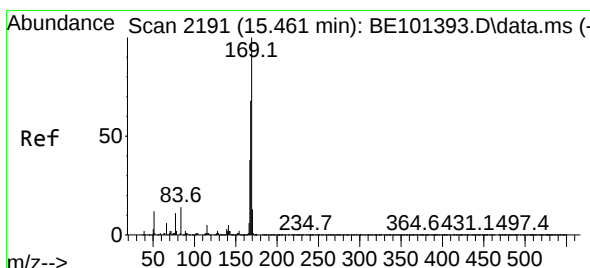
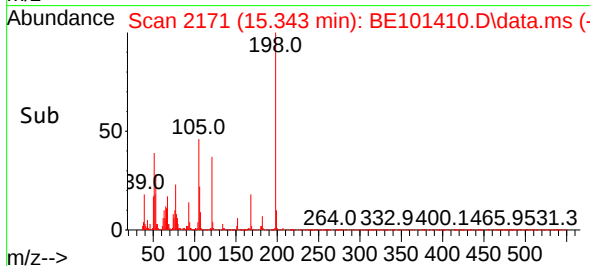
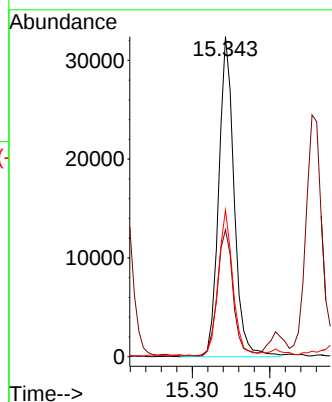
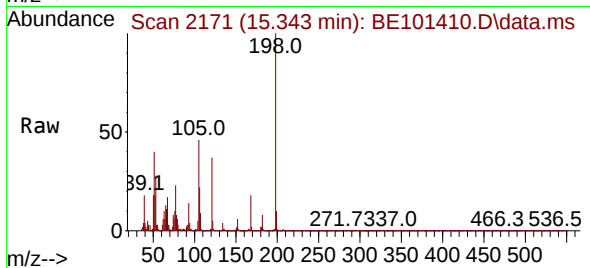




#65
4,6-Dinitro-2-methylphenol
Concen: 5.985 ng
RT: 15.343 min Scan# 2171
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

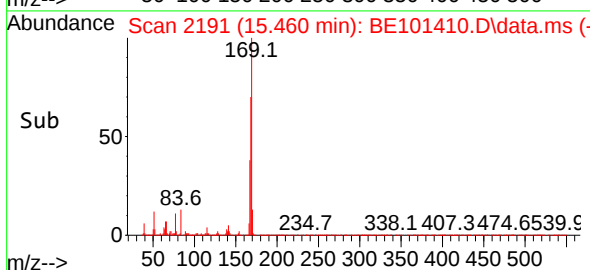
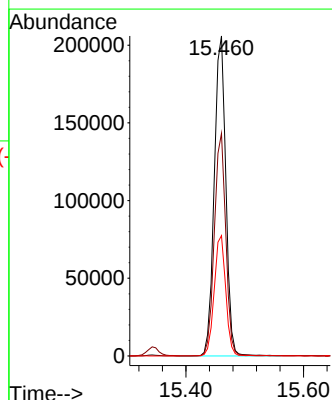
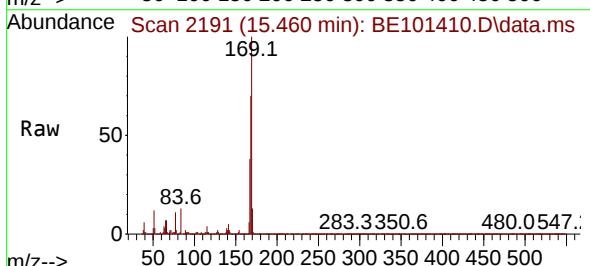
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

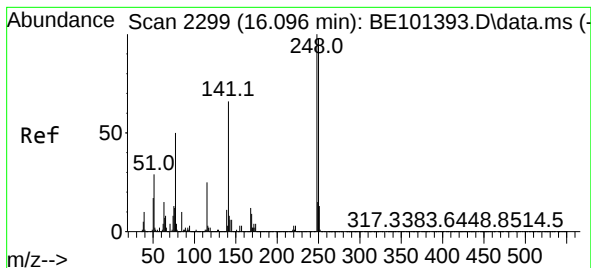
Tgt Ion:198 Resp: 44606
Ion Ratio Lower Upper
198 100
51 39.6 18.2 58.2
105 45.9 21.5 61.5



#66
n-Nitrosodiphenylamine
Concen: 8.331 ng
RT: 15.460 min Scan# 2191
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:169 Resp: 280222
Ion Ratio Lower Upper
169 100
168 69.5 54.5 81.7
167 37.6 30.4 45.6

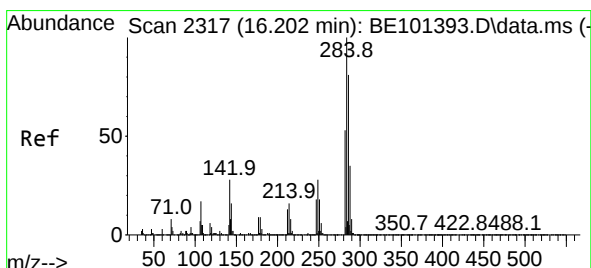
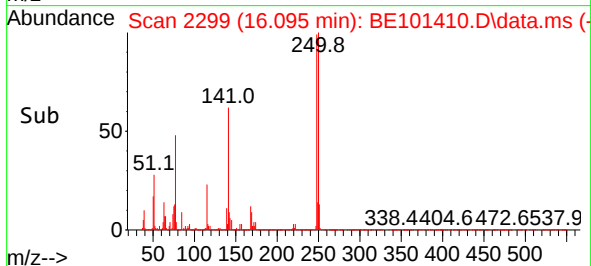
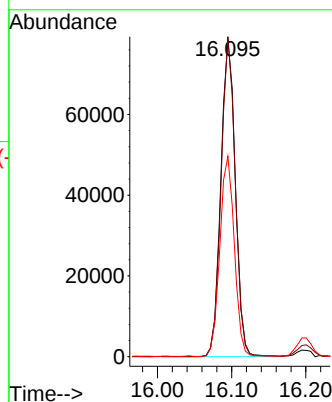
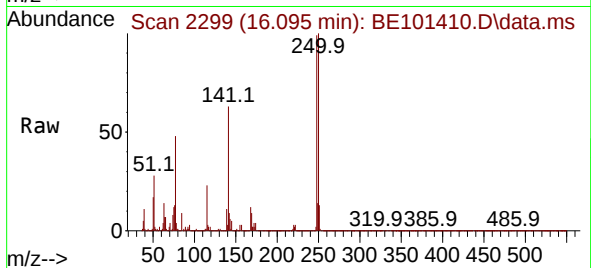




#67
4-Bromophenyl-phenylether
Concen: 7.998 ng
RT: 16.095 min Scan# 21
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

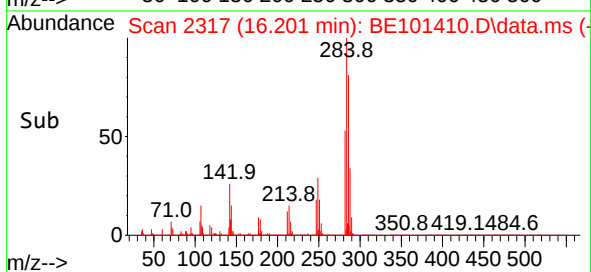
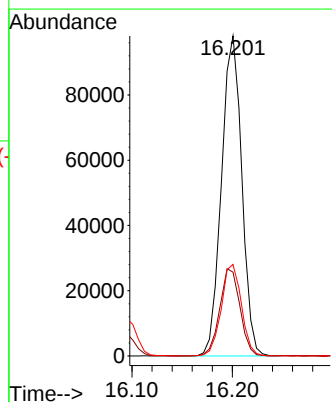
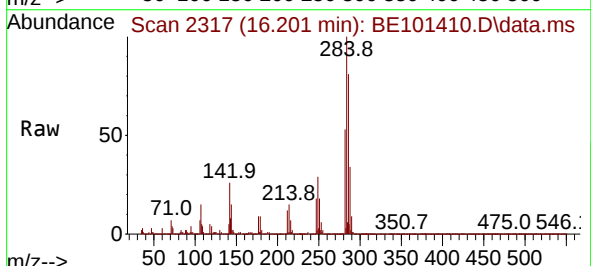
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

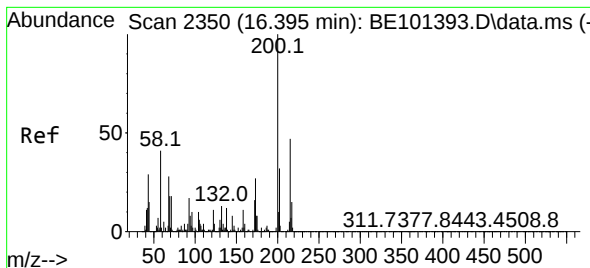
Tgt Ion:248 Resp: 106714
Ion Ratio Lower Upper
248 100
250 100.9 78.2 117.2
141 63.2 53.0 79.4



#68
Hexachlorobenzene
Concen: 7.863 ng
RT: 16.201 min Scan# 2317
Delta R.T. -0.001 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:284 Resp: 137512
Ion Ratio Lower Upper
284 100
142 26.2 22.2 33.2
249 28.6 22.8 34.2





#69

Atrazine

Concen: 10.169 ng

RT: 16.389 min Scan# 21

Delta R.T. -0.006 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

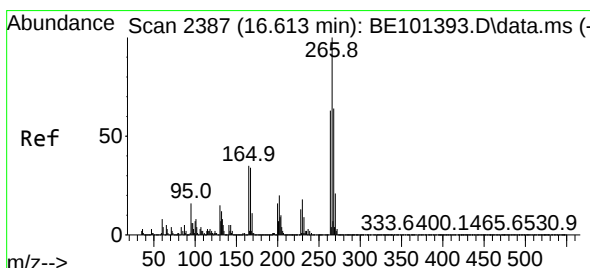
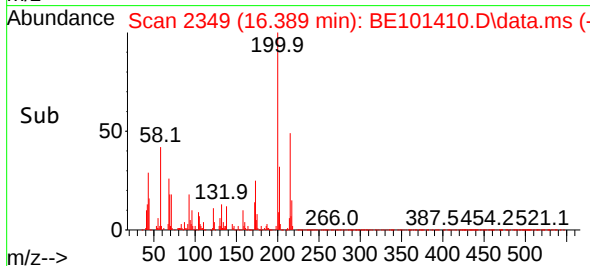
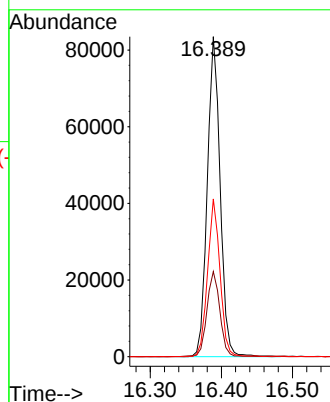
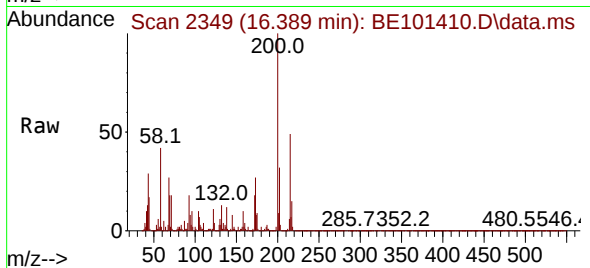
Tgt Ion:200 Resp: 104873

Ion Ratio Lower Upper

200 100

173 26.6 7.0 47.0

215 49.3 27.3 67.3



#70

Pentachlorophenol

Concen: 6.702 ng

RT: 16.606 min Scan# 2386

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

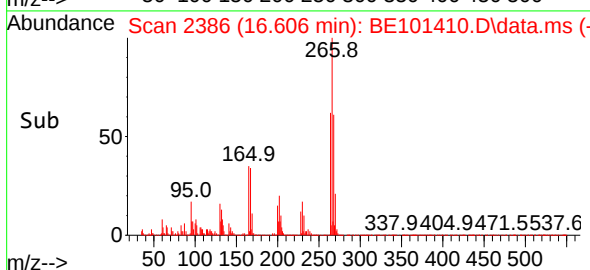
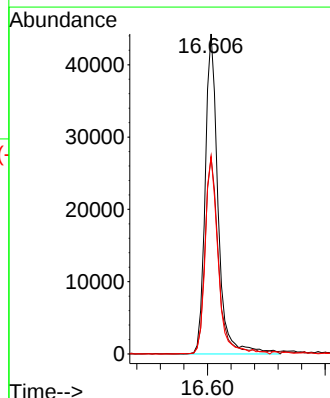
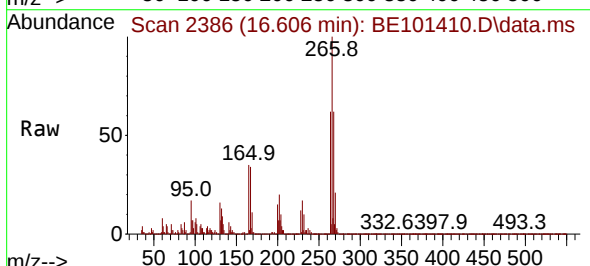
Tgt Ion:266 Resp: 67469

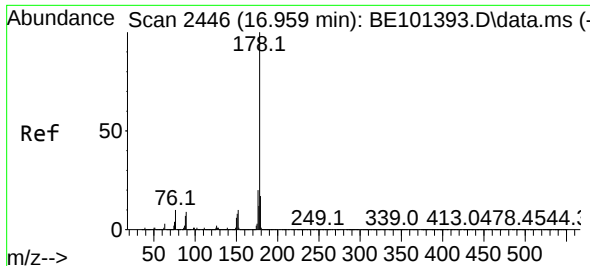
Ion Ratio Lower Upper

266 100

268 61.5 51.5 77.3

264 66.3 50.7 76.1

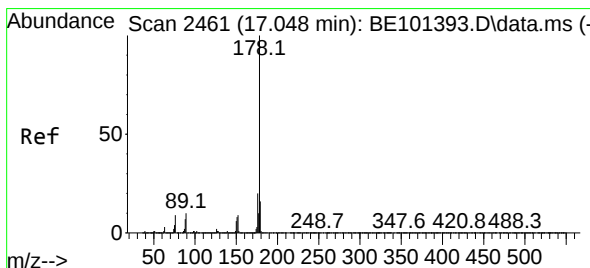
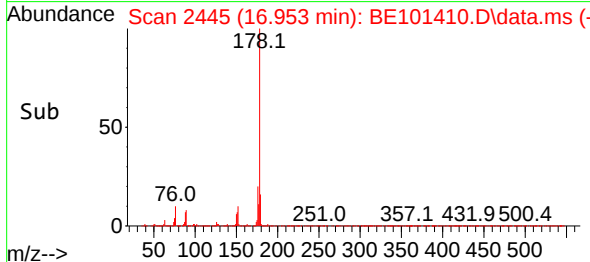
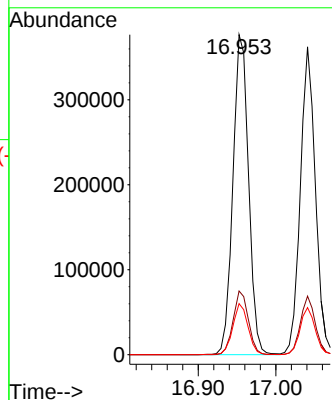
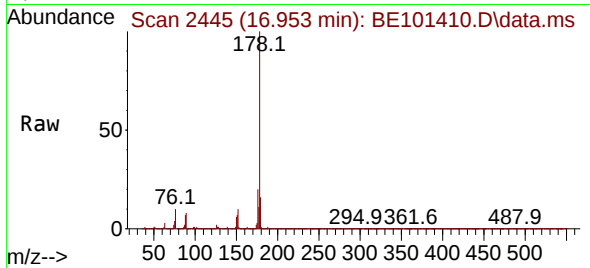




#71
Phenanthrene
Concen: 8.711 ng
RT: 16.953 min Scan# 2446
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

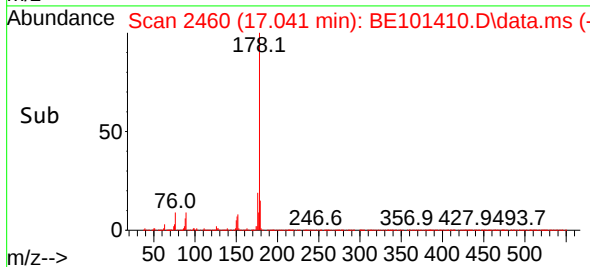
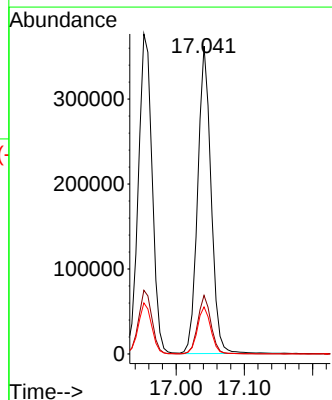
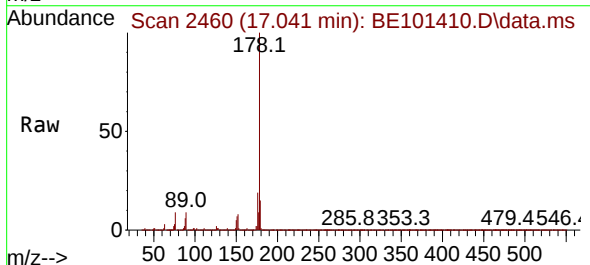
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

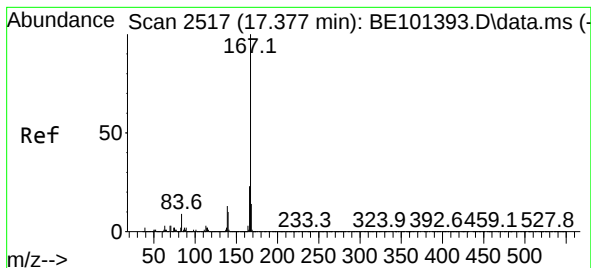
Tgt Ion:178 Resp: 529029
Ion Ratio Lower Upper
178 100
176 19.9 16.4 24.6
179 15.9 13.2 19.8



#72
Anthracene
Concen: 8.299 ng
RT: 17.041 min Scan# 2460
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:178 Resp: 492114
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.3 13.1 19.7





#73

Carbazole

Concen: 8.364 ng

RT: 17.370 min Scan# 2516

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

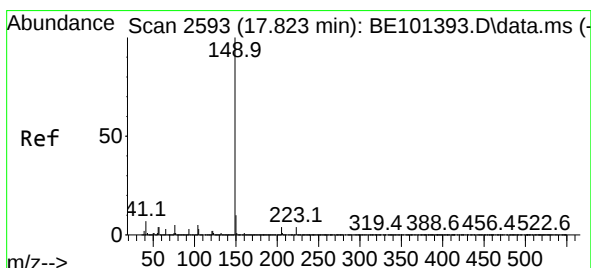
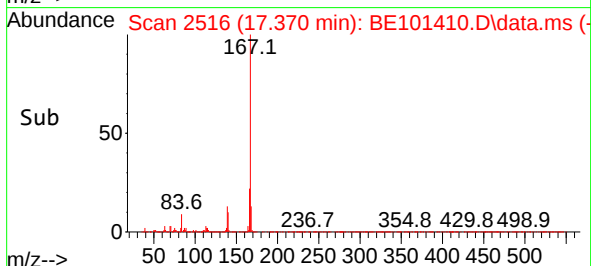
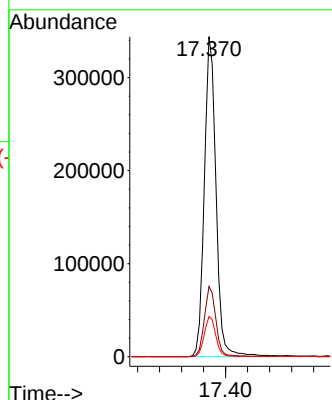
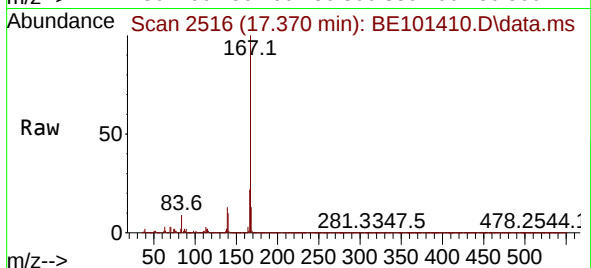
Tgt Ion:167 Resp: 507516

Ion Ratio Lower Upper

167 100

166 22.0 18.3 27.5

139 12.6 10.8 16.2



#74

Di-n-butylphthalate

Concen: 8.732 ng

RT: 17.822 min Scan# 2593

Delta R.T. -0.001 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

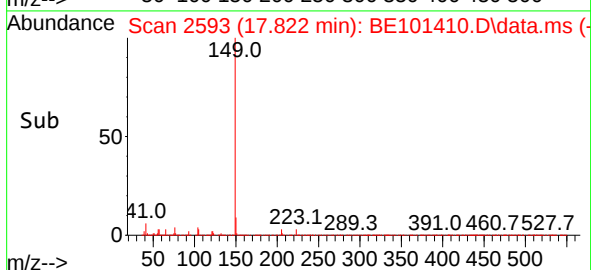
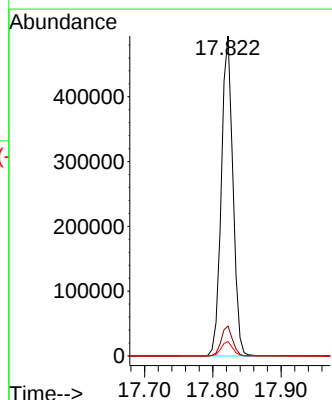
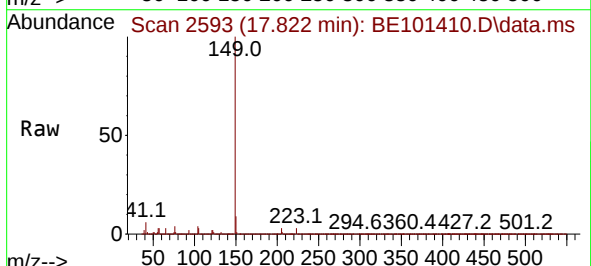
Tgt Ion:149 Resp: 583257

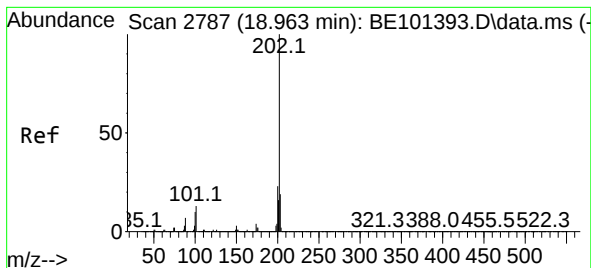
Ion Ratio Lower Upper

149 100

150 9.4 8.2 12.4

104 4.5 3.9 5.9





#75

Fluoranthene

Concen: 8.702 ng

RT: 18.956 min Scan# 21

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

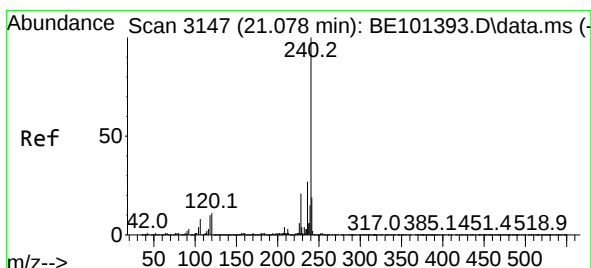
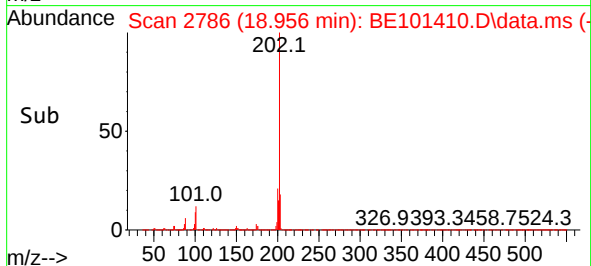
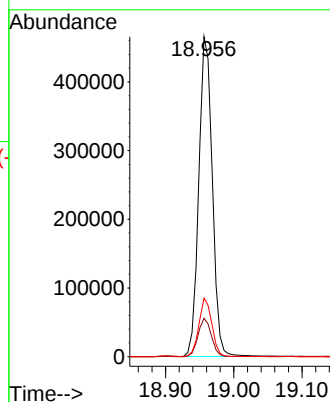
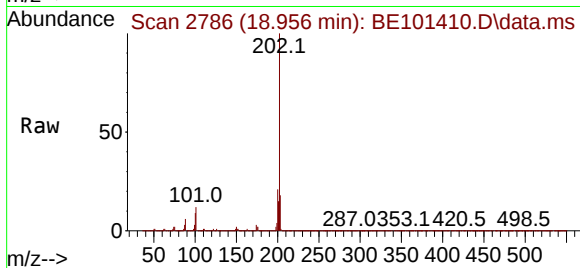
Tgt Ion:202 Resp: 641906

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.3

203 18.3 0.0 39.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.071 min Scan# 3146

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

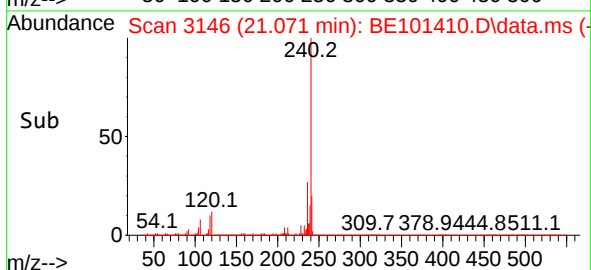
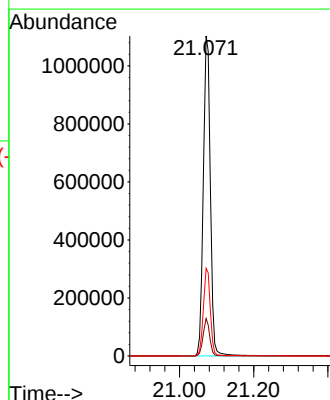
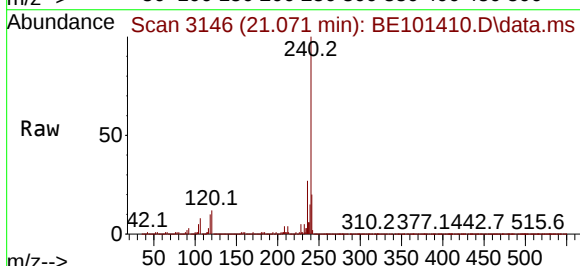
Tgt Ion:240 Resp: 1452855

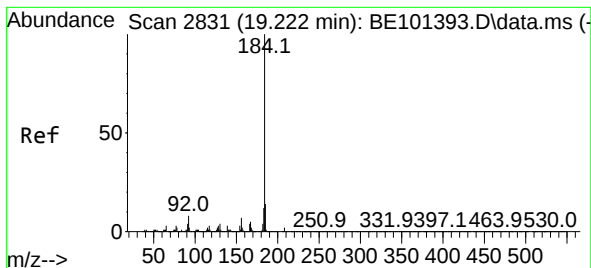
Ion Ratio Lower Upper

240 100

120 11.7 9.0 13.4

236 27.4 21.4 32.0





#77

Benzidine

Concen: 9.759 ng

RT: 19.215 min Scan# 2831

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

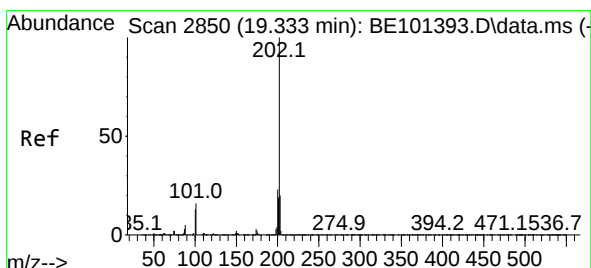
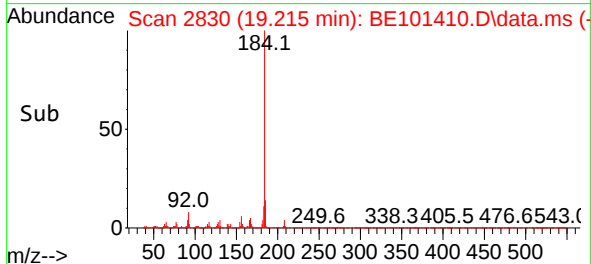
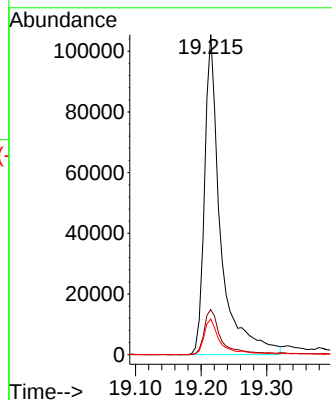
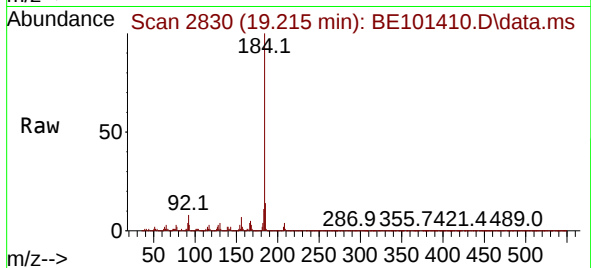
Tgt Ion:184 Resp: 179946

Ion Ratio Lower Upper

184 100

185 14.1 11.5 17.3

183 11.1 9.3 13.9



#78

Pyrene

Concen: 8.646 ng

RT: 19.326 min Scan# 2849

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

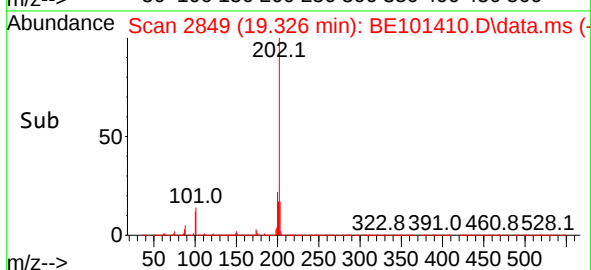
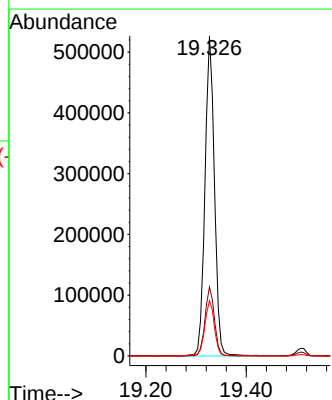
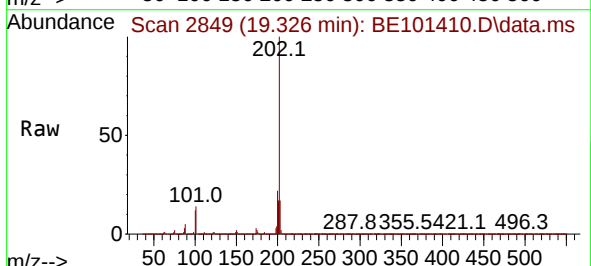
Tgt Ion:202 Resp: 690742

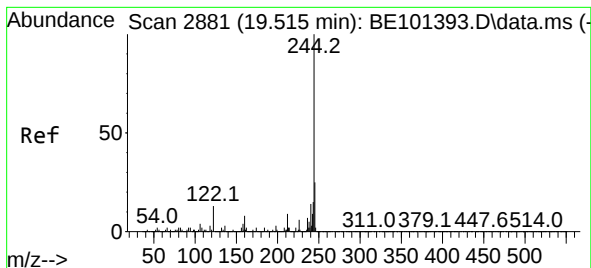
Ion Ratio Lower Upper

202 100

200 21.6 18.6 28.0

203 17.3 15.6 23.4





#79

Terphenyl-d14

Concen: 70.477 ng

RT: 19.509 min Scan# 21

Delta R.T. -0.006 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

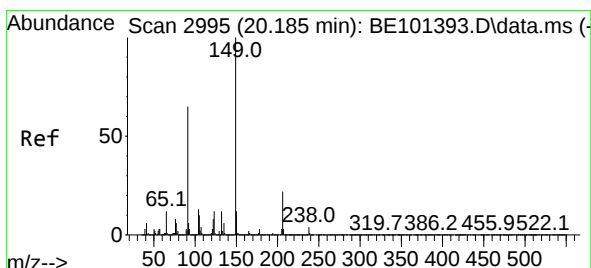
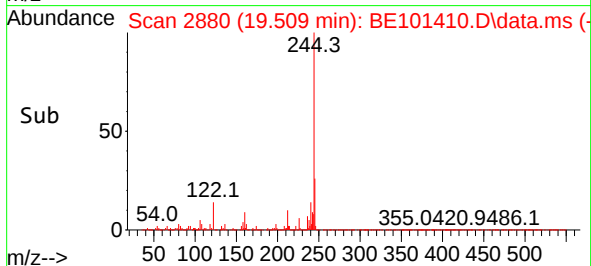
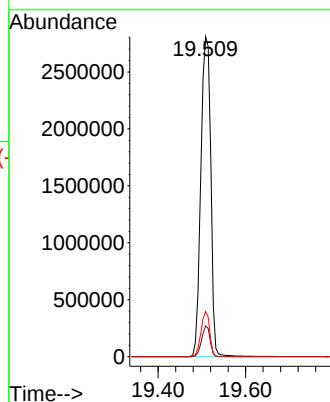
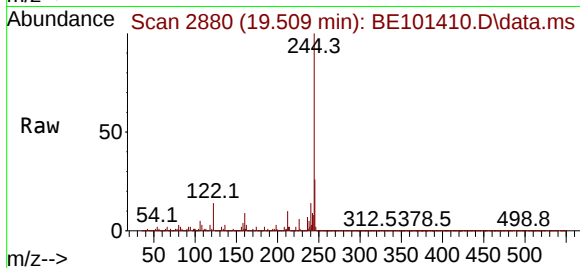
Tgt Ion:244 Resp: 4448836

Ion Ratio Lower Upper

244 100

212 9.6 7.2 10.8

122 14.1 10.4 15.6



#80

Butylbenzylphthalate

Concen: 8.545 ng

RT: 20.178 min Scan# 2994

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

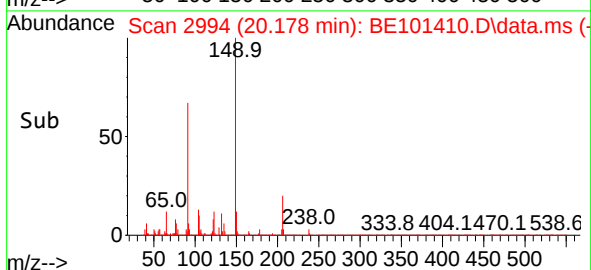
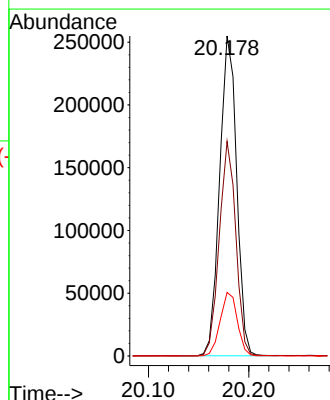
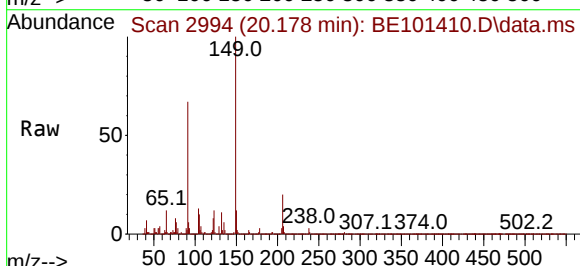
Tgt Ion:149 Resp: 299307

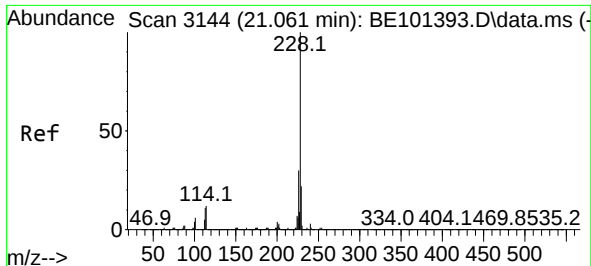
Ion Ratio Lower Upper

149 100

91 67.1 51.8 77.8

206 19.8 17.4 26.2

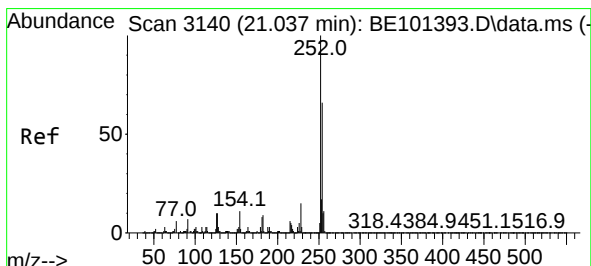
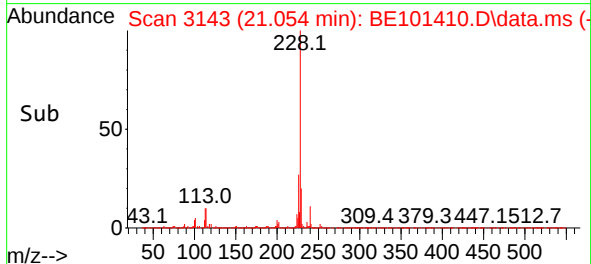
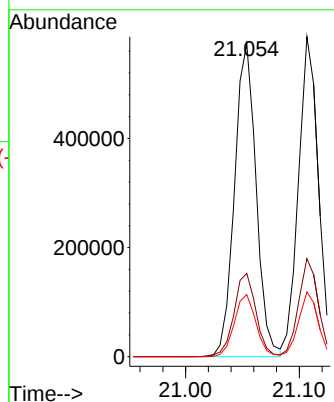
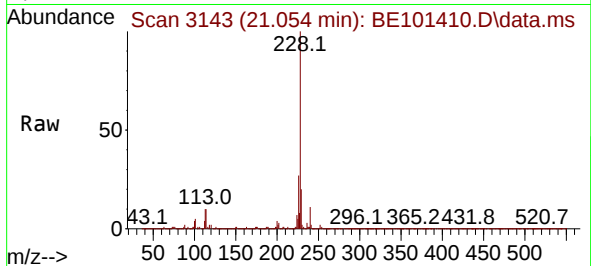




#81
Benzo(a)anthracene
Concen: 9.267 ng
RT: 21.054 min Scan# 3143
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

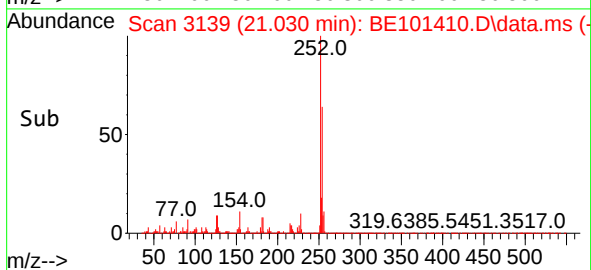
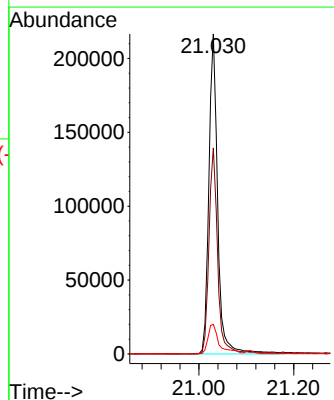
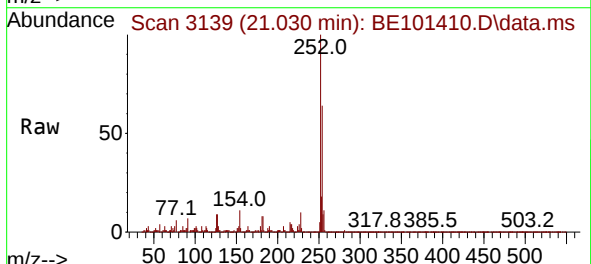
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

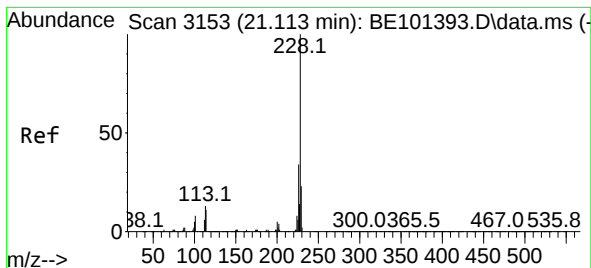
Tgt Ion:228 Resp: 756750
Ion Ratio Lower Upper
228 100
226 26.6 24.1 36.1
229 19.8 17.3 25.9



#82
3,3'-Dichlorobenzidine
Concen: 8.707 ng
RT: 21.030 min Scan# 3139
Delta R.T. -0.007 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:252 Resp: 278519
Ion Ratio Lower Upper
252 100
254 64.4 52.6 78.8
126 9.3 7.7 11.5





#83

Chrysene

Concen: 9.222 ng

RT: 21.107 min Scan# 3152

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

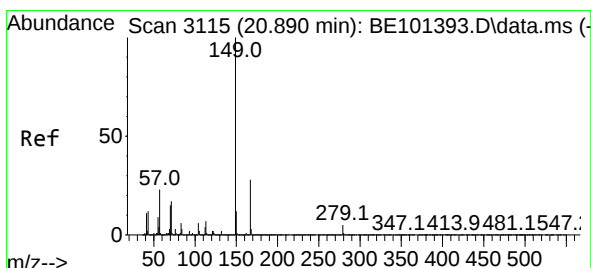
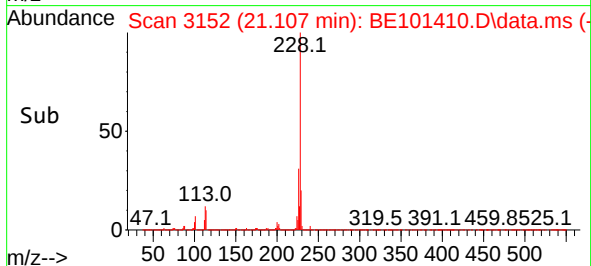
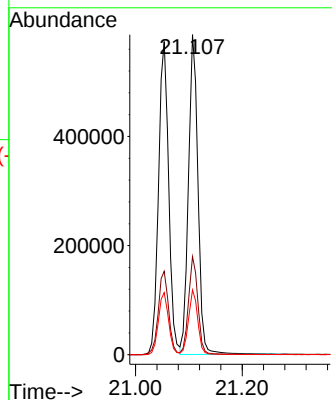
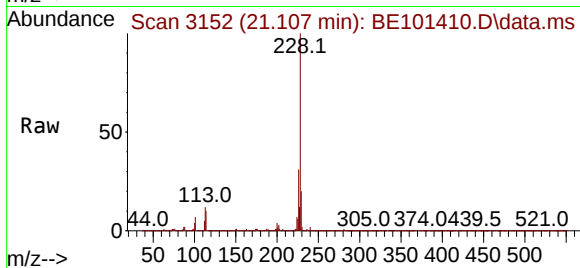
Tgt Ion:228 Resp: 728152

Ion Ratio Lower Upper

228 100

226 30.6 27.2 40.8

229 20.3 18.0 27.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.781 ng

RT: 20.883 min Scan# 3114

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

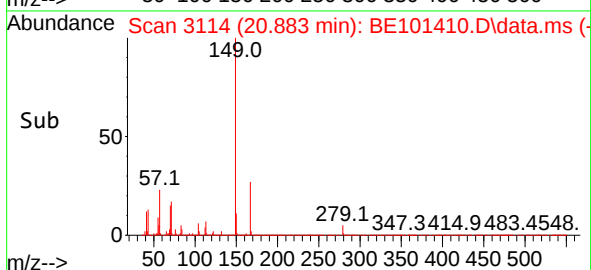
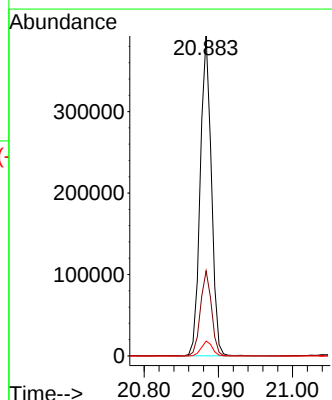
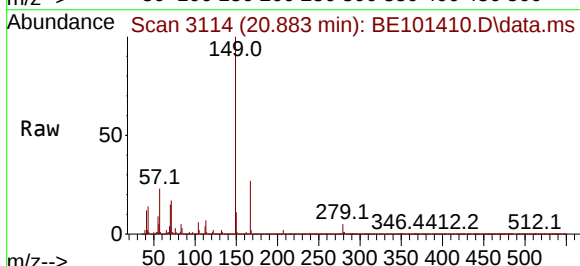
Tgt Ion:149 Resp: 408559

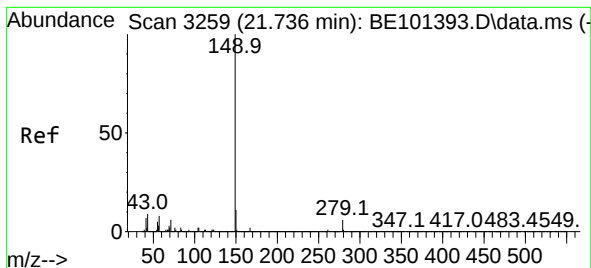
Ion Ratio Lower Upper

149 100

167 26.6 22.7 34.1

279 4.7 4.3 6.5





#85

Di-n-octyl phthalate

Concen: 9.261 ng

RT: 21.729 min Scan# 31

Delta R.T. -0.007 min

Lab File: BE101410.D

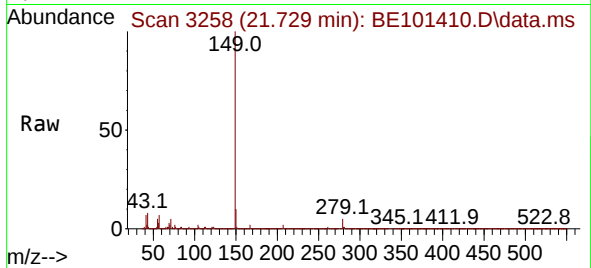
Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



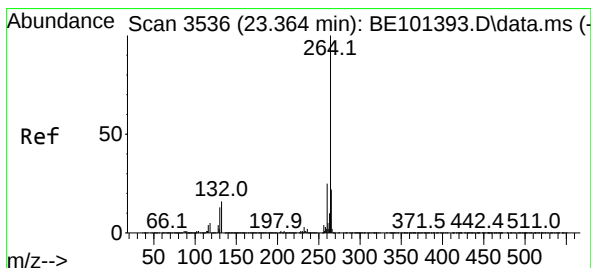
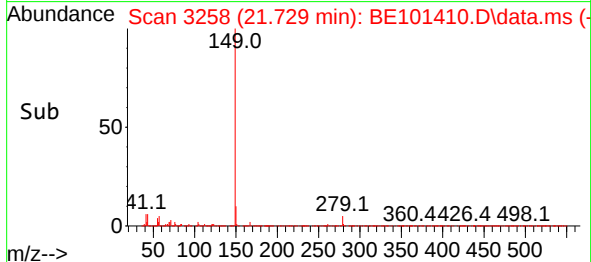
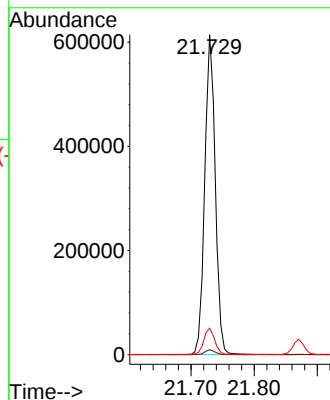
Tgt Ion:149 Resp: 707217

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 8.6 7.0 10.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.357 min Scan# 3535

Delta R.T. -0.007 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

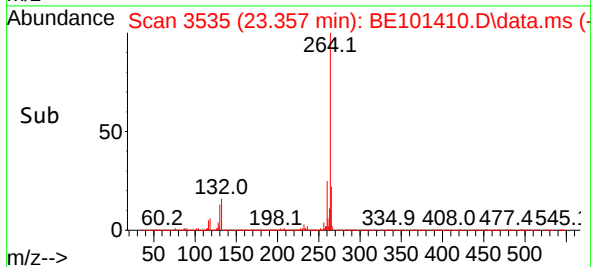
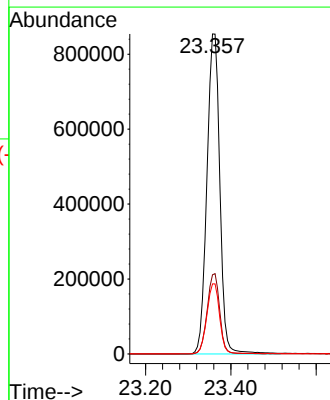
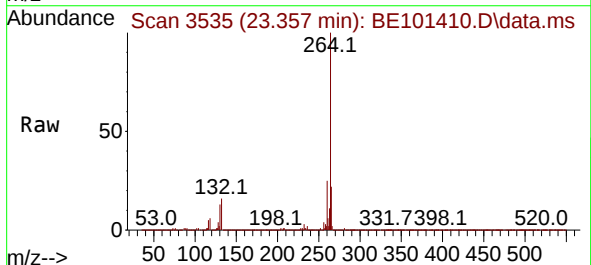
Tgt Ion:264 Resp: 1793897

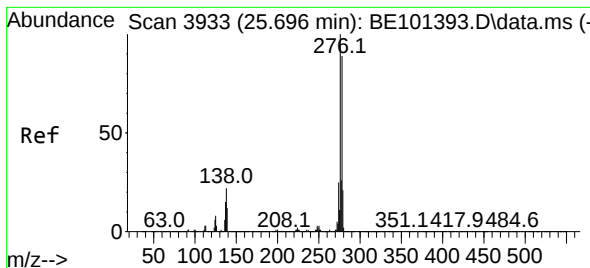
Ion Ratio Lower Upper

264 100

260 24.7 19.8 29.8

265 21.9 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.963 ng

RT: 25.666 min Scan# 3933

Delta R.T. -0.030 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

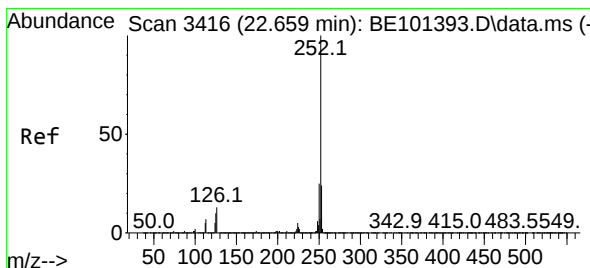
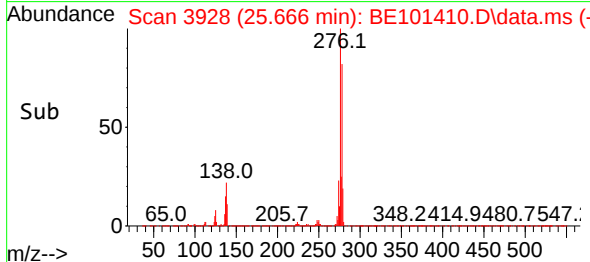
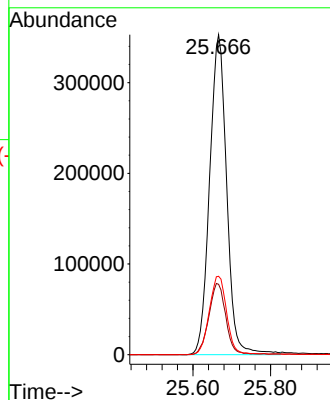
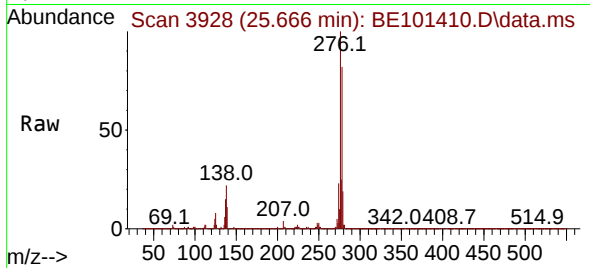
Tgt Ion:276 Resp: 1076011

Ion Ratio Lower Upper

276 100

138 22.1 17.8 26.8

277 25.2 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 8.896 ng

RT: 22.646 min Scan# 3414

Delta R.T. -0.013 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

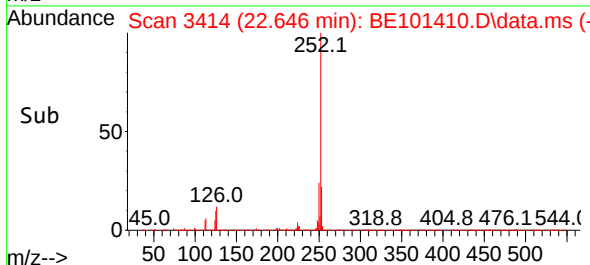
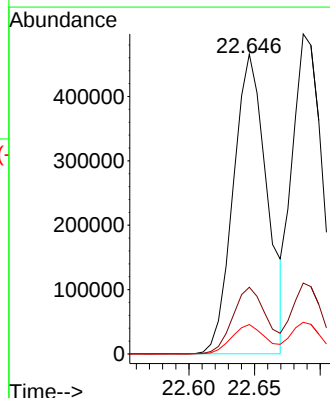
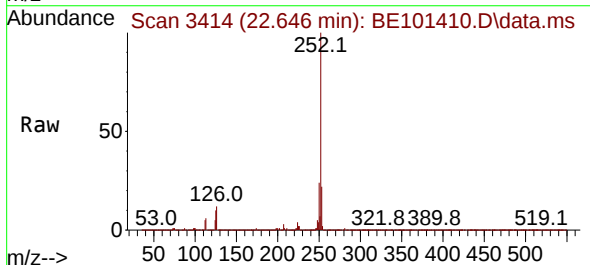
Tgt Ion:252 Resp: 831673

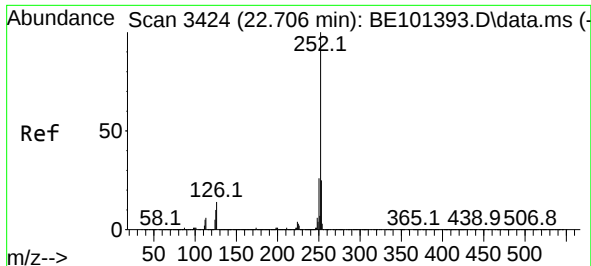
Ion Ratio Lower Upper

252 100

253 22.2 19.0 28.6

125 9.8 8.2 12.2

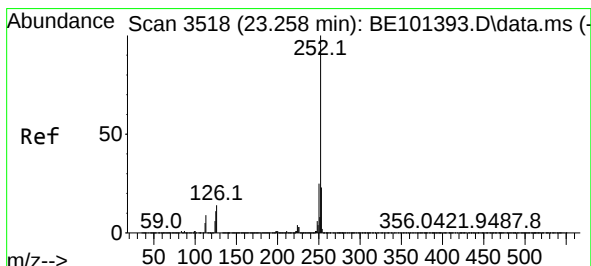
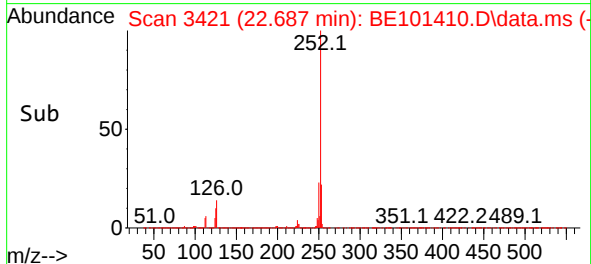
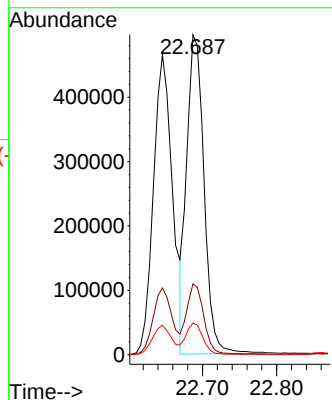
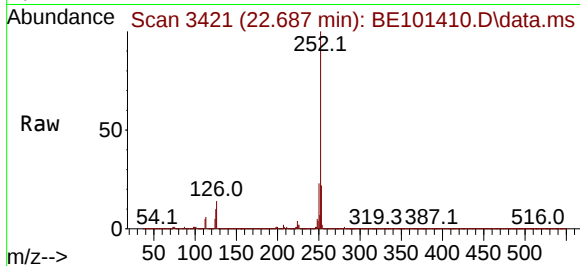




#89
Benzo(k)fluoranthene
Concen: 9.235 ng
RT: 22.687 min Scan# 34
Delta R.T. -0.019 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

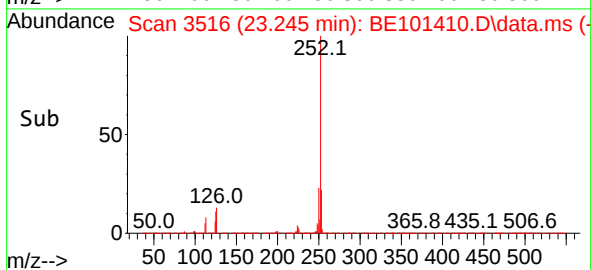
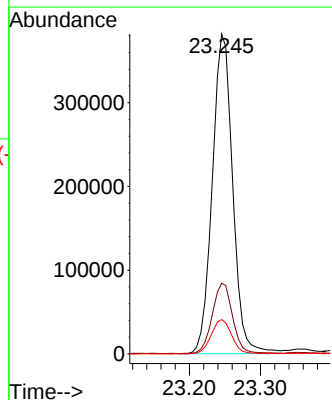
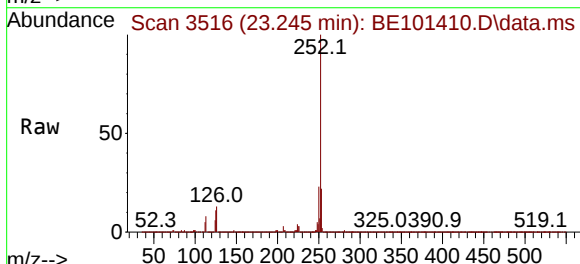
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

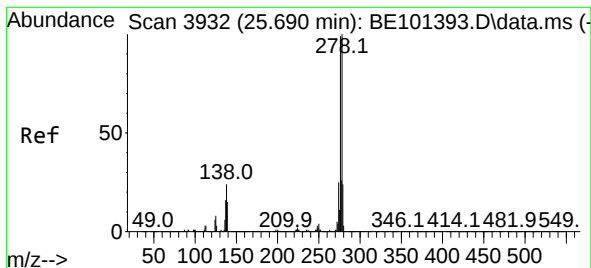
Tgt Ion:252 Resp: 806618
Ion Ratio Lower Upper
252 100
253 22.2 19.4 29.2
125 9.9 8.2 12.2



#90
Benzo(a)pyrene
Concen: 9.291 ng
RT: 23.245 min Scan# 3516
Delta R.T. -0.013 min
Lab File: BE101410.D
Acq: 29 Oct 2024 16:53

Tgt Ion:252 Resp: 759634
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 10.8 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 8.991 ng

RT: 25.660 min Scan# 3932

Delta R.T. -0.030 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

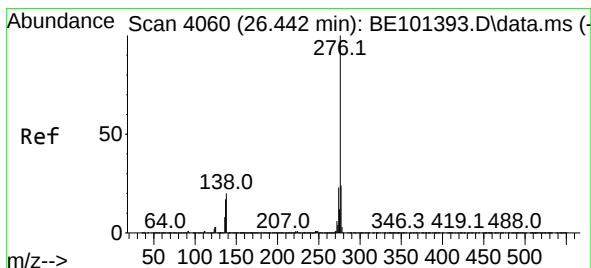
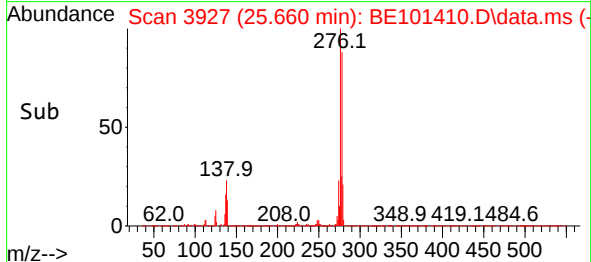
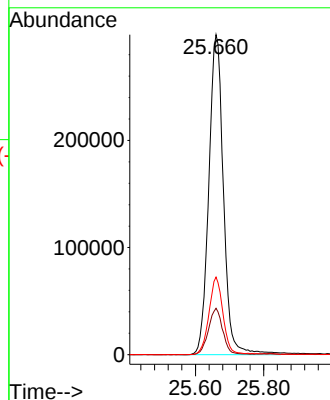
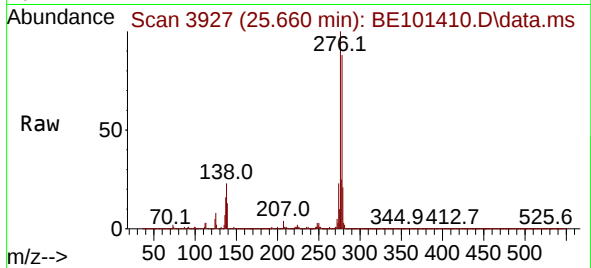
Tgt Ion:278 Resp: 891971

Ion Ratio Lower Upper

278 100

139 14.5 11.9 17.9

279 24.3 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 8.125 ng

RT: 26.418 min Scan# 4056

Delta R.T. -0.024 min

Lab File: BE101410.D

Acq: 29 Oct 2024 16:53

Tgt Ion:276 Resp: 830527

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.2

138 19.0 15.8 23.6

