

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091824\
 Data File : BE101364.D
 Acq On : 18 Sep 2024 15:26
 Operator : RC/JU
 Sample : P2403-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Sep 18 16:47:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE091724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 17 16:03:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.571	152	162467	20.000	ng	0.00
21) Naphthalene-d8	10.345	136	791239	20.000	ng	0.00
39) Acenaphthene-d10	14.181	164	589289	20.000	ng	0.00
64) Phenanthrene-d10	16.919	188	1414699	20.000	ng	0.00
76) Chrysene-d12	21.079	240	1627361	20.000	ng	0.00
86) Perylene-d12	23.371	264	1968599	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.321	112	1250777	134.607	ng	0.00
7) Phenol-d6	6.949	99	1718313	130.446	ng	0.00
23) Nitrobenzene-d5	8.788	82	1250074	100.162	ng	0.00
42) 2,4,6-Tribromophenol	15.691	330	1448587	146.151	ng	0.00
45) 2-Fluorobiphenyl	12.806	172	3216982	94.337	ng	0.00
79) Terphenyl-d14	19.516	244	4974598	67.780	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.224	88	33041	9.338	ng	97
3) Pyridine	3.758	79	51539	5.057	ng	# 90
4) n-Nitrosodimethylamine	3.617	42	29436	8.039	ng	# 91
6) Aniline	7.019	93	130749	11.831	ng	98
8) 2-Chlorophenol	7.219	128	99798	8.938	ng	100
9) Benzaldehyde	6.790	77	79332	13.104	ng	95
10) Phenol	6.978	94	114725	7.924	ng	98
11) bis(2-Chloroethyl)ether	7.019	93	130749	10.670	ng	# 32
12) 1,3-Dichlorobenzene	7.460	146	104646	8.720	ng	99
13) 1,4-Dichlorobenzene	7.607	146	108123	8.843	ng	98
14) 1,2-Dichlorobenzene	7.936	146	104593	8.633	ng	95
15) Benzyl Alcohol	7.918	79	81055	10.334	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.071	45	142225	9.209	ng	100
17) 2-Methylphenol	8.159	107	77913	8.121	ng	98
18) Hexachloroethane	8.629	117	33467	8.370	ng	98
19) n-Nitroso-di-n-propyla...	8.376	70	80338	8.641	ng	96
20) 3+4-Methylphenols	8.494	107	104325	7.728	ng	99
22) Acetophenone	8.429	105	164684	8.976	ng	# 98
24) Nitrobenzene	8.823	77	118995	8.931	ng	99
25) Isophorone	9.281	82	230190	9.010	ng	100
26) 2-Nitrophenol	9.516	139	53016	8.431	ng	95
27) 2,4-Dimethylphenol	9.634	122	49920	6.184	ng	97
28) bis(2-Chloroethoxy)met...	9.781	93	136143	8.809	ng	98
29) 2,4-Dichlorophenol	10.063	162	92356	8.354	ng	96
30) 1,2,4-Trichlorobenzene	10.186	180	102651	8.591	ng	98
31) Naphthalene	10.392	128	352380	8.826	ng	99
32) Benzoic acid	9.828	122	35272	10.815	ng	99
33) 4-Chloroaniline	10.621	127	136833	8.958	ng	99
34) Hexachlorobutadiene	10.638	225	58901	8.485	ng	98
35) Caprolactam	11.402	113	35180	7.877	ng	99
36) 4-Chloro-3-methylphenol	11.790	107	110935	8.492	ng	99
37) 2-Methylnaphthalene	11.978	142	255579	8.753	ng	99
38) 1-Methylnaphthalene	12.207	142	244757	8.356	ng	98
40) 1,2,4,5-Tetrachloroben...	12.336	216	123902	8.728	ng	99
41) Hexachlorocyclopentadiene	12.319	237	28076	6.019	ng	100
43) 2,4,6-Trichlorophenol	12.654	196	83656	8.321	ng	99

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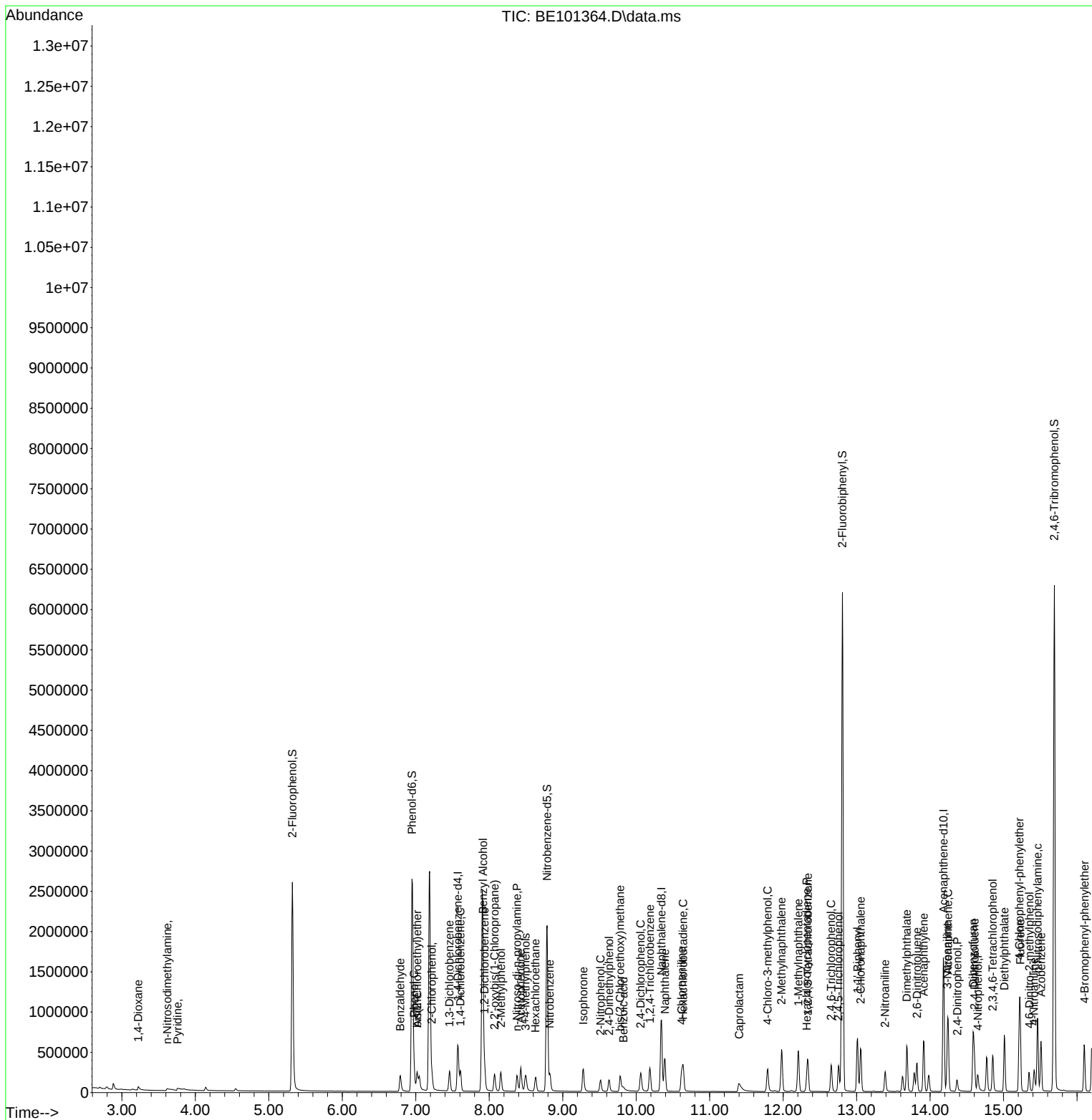
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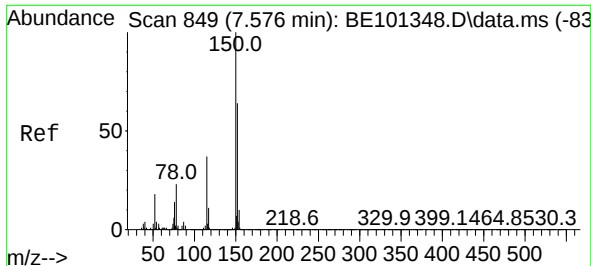
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.754	196	91583	8.074	ng	95
46) 1,1'-Biphenyl	13.012	154	367476	9.202	ng	100
47) 2-Chloronaphthalene	13.053	162	272445	8.673	ng	99
48) 2-Nitroaniline	13.388	65	70360	8.325	ng	96
49) Acenaphthylene	13.911	152	453467	9.675	ng	98
50) Dimethylphthalate	13.682	163	387618	9.116	ng	100
51) 2,6-Dinitrotoluene	13.823	165	79132	8.316	ng	98
52) Acenaphthene	14.246	154	270778	8.764	ng	95
53) 3-Nitroaniline	14.234	138	82556	8.434	ng	97
54) 2,4-Dinitrophenol	14.369	184	37127	6.554	ng	93
55) Dibenzofuran	14.587	168	460108	9.428	ng	97
56) 4-Nitrophenol	14.651	139	67260	8.265	ng	96
57) 2,4-Dinitrotoluene	14.604	165	104423	8.061	ng	# 87
58) Fluorene	15.227	166	371310	9.030	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.851	232	94210	8.782	ng	99
60) Diethylphthalate	15.010	149	404813	9.176	ng	98
61) 4-Chlorophenyl-phenyle...	15.215	204	178523	8.851	ng	98
62) 4-Nitroaniline	15.415	138	86004	8.430	ng	92
63) Azobenzene	15.509	77	352168	9.341	ng	97
65) 4,6-Dinitro-2-methylph...	15.351	198	55336	6.888	ng	97
66) n-Nitrosodiphenylamine	15.462	169	337843	8.959	ng	98
67) 4-Bromophenyl-phenylether	16.103	248	123176	8.381	ng	97
68) Hexachlorobenzene	16.202	284	157210	8.277	ng	99
69) Atrazine	16.396	200	129706	10.416	ng	98
70) Pentachlorophenol	16.614	266	84867	7.478	ng	97
71) Phenanthrene	16.960	178	644613	9.594	ng	97
72) Anthracene	17.049	178	602246	9.211	ng	96
73) Carbazole	17.378	167	629562	9.396	ng	97
74) Di-n-butylphthalate	17.830	149	728994	9.909	ng	# 95
75) Fluoranthene	18.964	202	795482	9.835	ng	95
77) Benzidine	19.222	184	255448	9.458	ng	99
78) Pyrene	19.334	202	854332	9.439	ng	93
80) Butylbenzylphthalate	20.186	149	363296	9.068	ng	98
81) Benzo(a)anthracene	21.061	228	914317	10.005	ng	92
82) 3,3'-Dichlorobenzidine	21.038	252	328689	9.179	ng	99
83) Chrysene	21.114	228	888761	10.124	ng	92
84) Bis(2-ethylhexyl)phtha...	20.891	149	491662	9.279	ng	94
85) Di-n-octyl phthalate	21.743	149	859747	9.940	ng	99
87) Indeno(1,2,3-cd)pyrene	25.680	276	1253701	9.666	ng	98
88) Benzo(b)fluoranthene	22.660	252	1006443	9.871	ng	94
89) Benzo(k)fluoranthene	22.701	252	937786	9.745	ng	94
90) Benzo(a)pyrene	23.259	252	892377	9.917	ng	97
91) Dibenzo(a,h)anthracene	25.680	278	1044529	9.619	ng	98
92) Benzo(g,h,i)perylene	26.432	276	972918	8.824	ng	97

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

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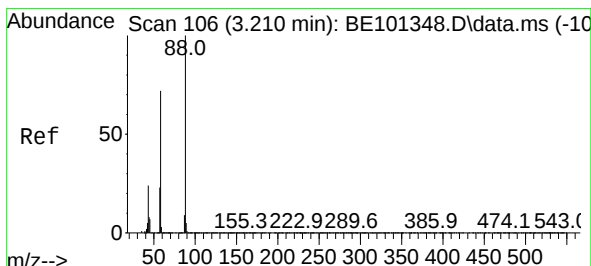
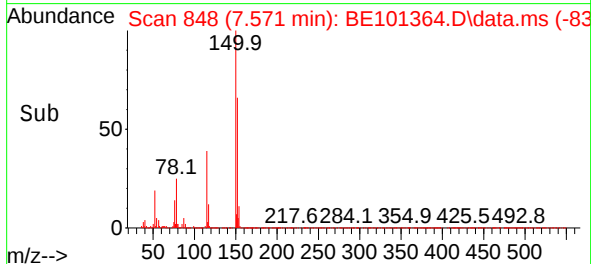
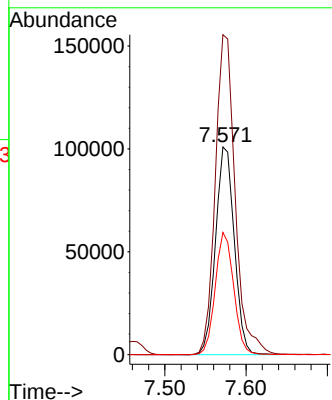
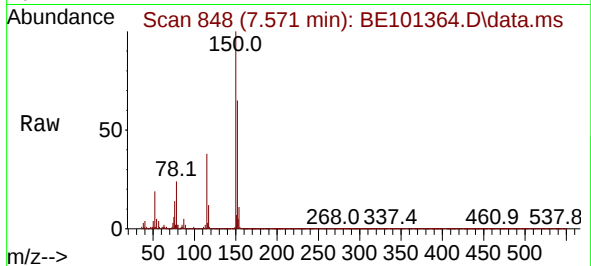




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.571 min Scan# 849
Delta R.T. -0.005 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

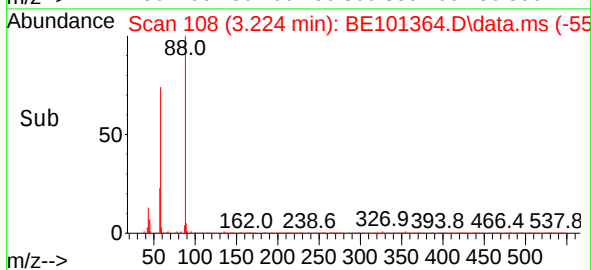
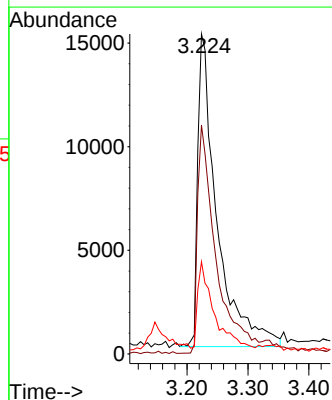
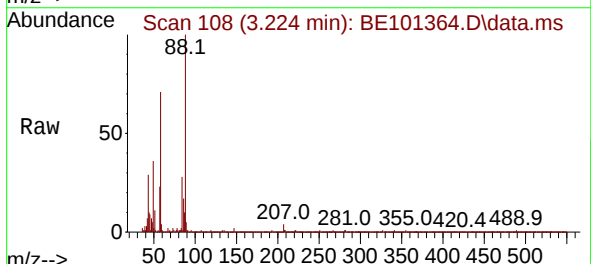
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

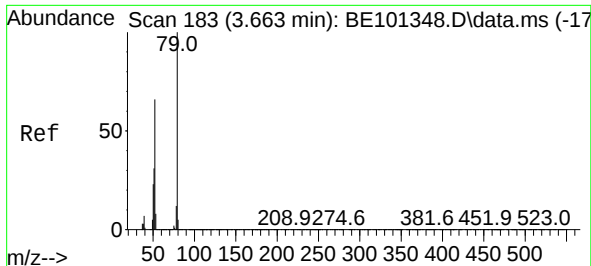
Tgt Ion:152 Resp: 162467
Ion Ratio Lower Upper
152 100
150 154.1 125.9 188.9
115 58.9 46.9 70.3



#2
1,4-Dioxane
Concen: 9.338 ng
RT: 3.224 min Scan# 108
Delta R.T. 0.013 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion: 88 Resp: 33041
Ion Ratio Lower Upper
88 100
58 70.3 58.8 88.2
43 24.0 19.4 29.2





#3

Pyridine

Concen: 5.057 ng

RT: 3.758 min Scan# 11

Delta R.T. 0.095 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

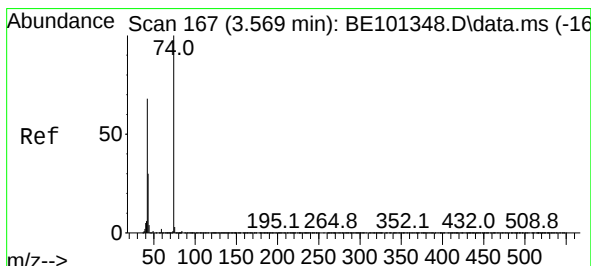
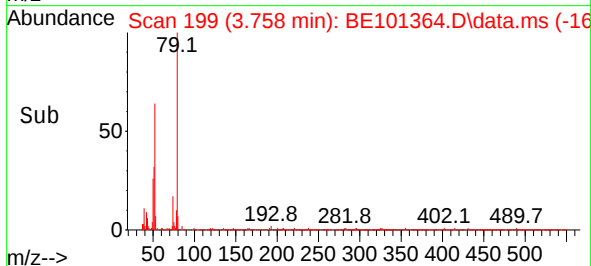
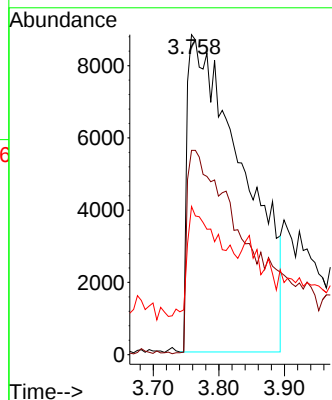
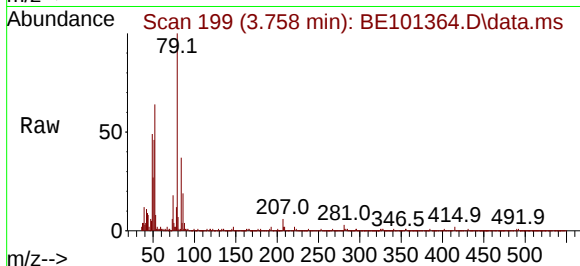
Tgt Ion: 79 Resp: 51539

Ion Ratio Lower Upper

79 100

52 63.8 52.6 78.8

51 46.3 26.2 39.2#



#4

n-Nitrosodimethylamine

Concen: 8.039 ng

RT: 3.617 min Scan# 175

Delta R.T. 0.048 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

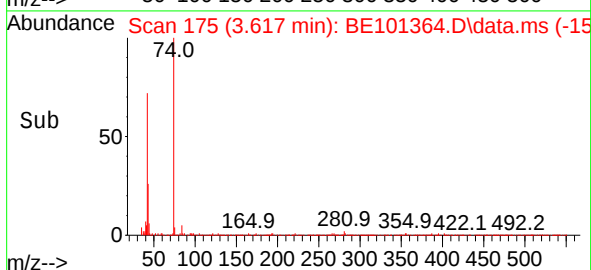
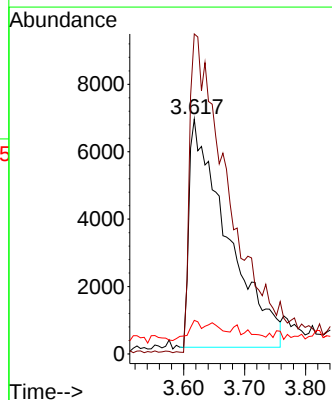
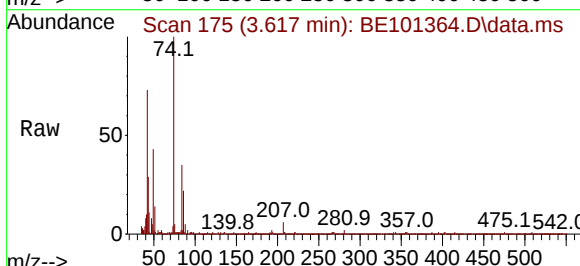
Tgt Ion: 42 Resp: 29436

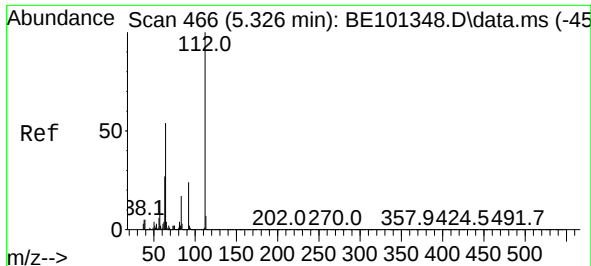
Ion Ratio Lower Upper

42 100

74 136.2 117.0 175.4

44 14.3 5.9 8.9#

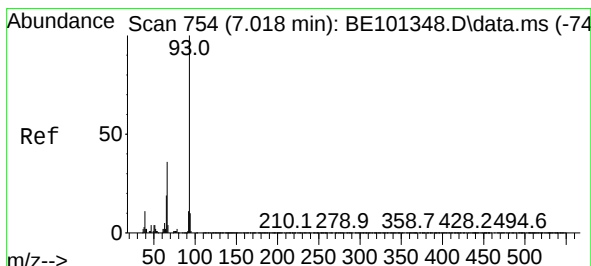
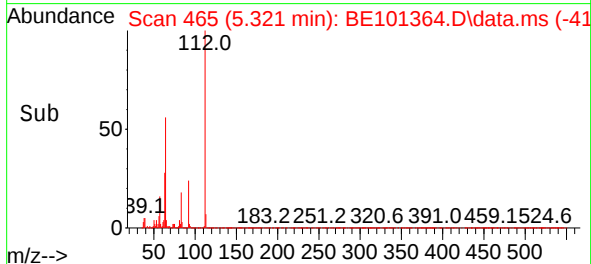
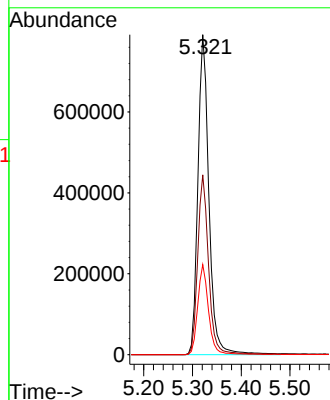
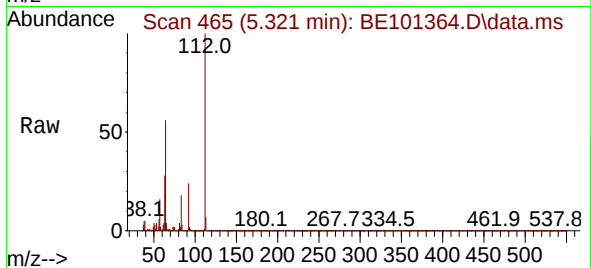




#5
2-Fluorophenol
Concen: 134.607 ng
RT: 5.321 min Scan# 466
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

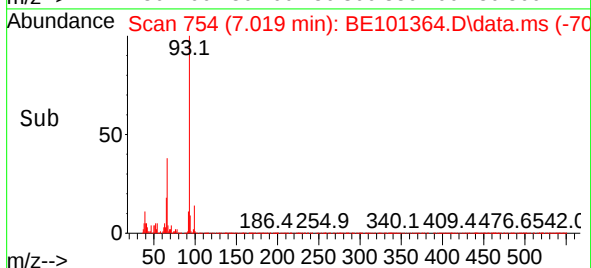
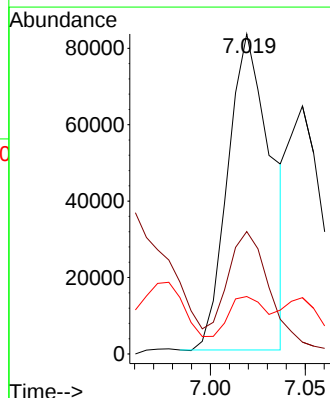
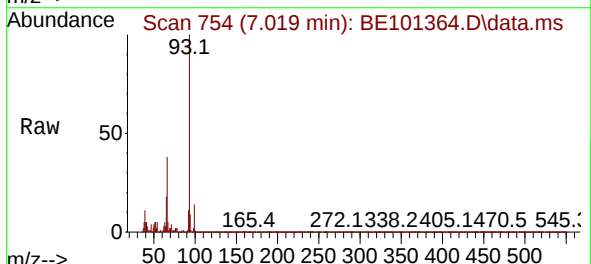
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

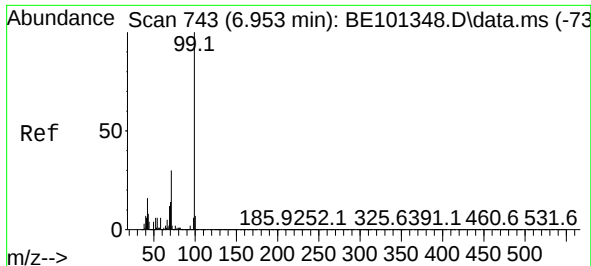
Tgt Ion:112 Resp: 1250777
Ion Ratio Lower Upper
112 100
64 56.2 42.8 64.2
63 28.1 21.3 31.9



#6
Aniline
Concen: 11.831 ng
RT: 7.019 min Scan# 754
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion: 93 Resp: 130749
Ion Ratio Lower Upper
93 100
66 38.2 30.0 45.0
65 18.0 15.8 23.8





#7

Phenol-d6

Concen: 130.446 ng

RT: 6.949 min Scan# 743

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

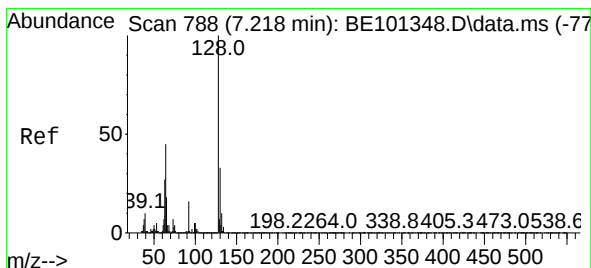
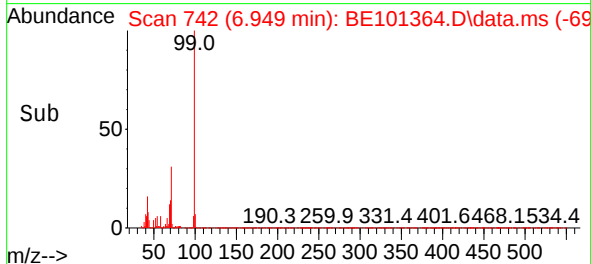
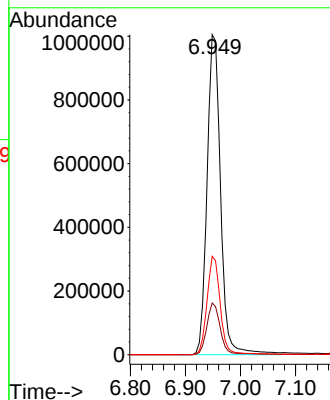
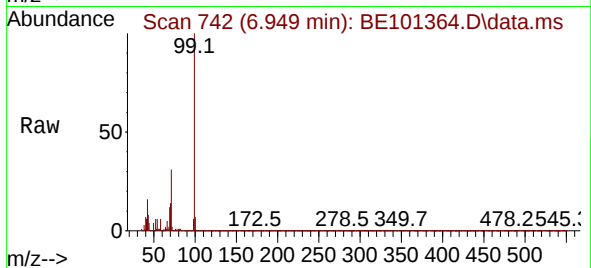
Tgt Ion: 99 Resp: 1718313

Ion Ratio Lower Upper

99 100

42 16.2 12.8 19.2

71 30.8 23.8 35.6



#8

2-Chlorophenol

Concen: 8.938 ng

RT: 7.219 min Scan# 788

Delta R.T. 0.001 min

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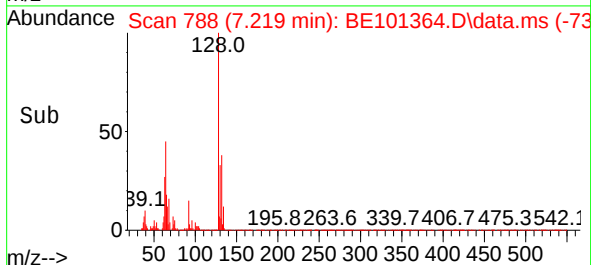
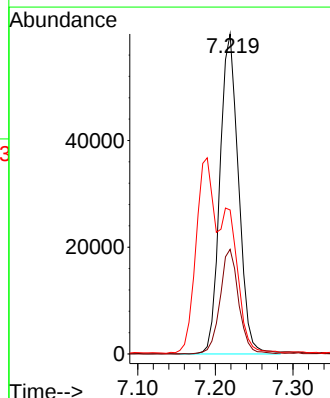
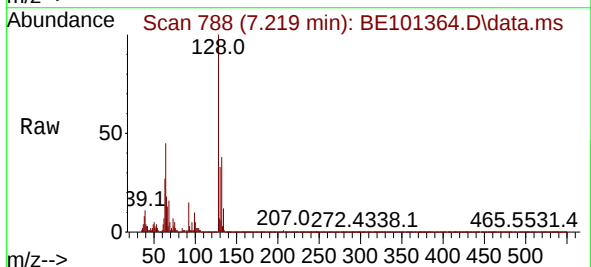
Tgt Ion:128 Resp: 99798

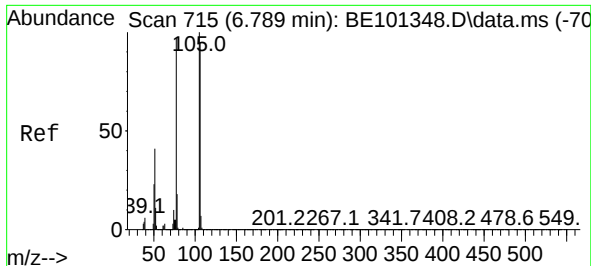
Ion Ratio Lower Upper

128 100

130 32.7 12.8 52.8

64 45.0 24.9 64.9





#9

Benzaldehyde

Concen: 13.104 ng

RT: 6.790 min Scan# 715

Delta R.T. 0.001 min

Lab File: BE101364.D

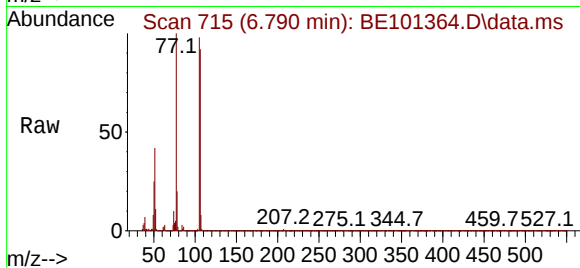
Acq: 18 Sep 2024 15:26

Instrument :

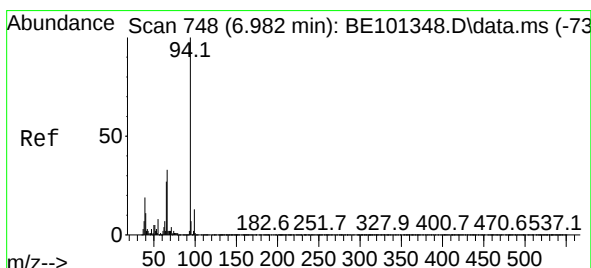
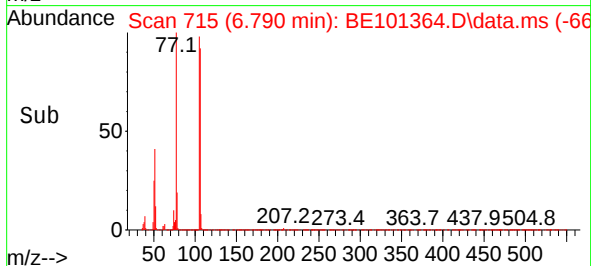
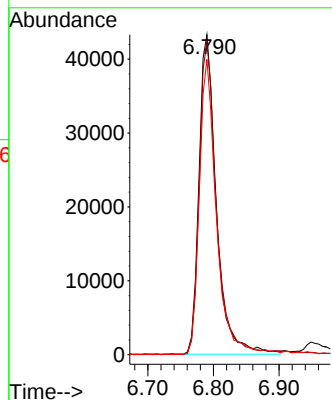
BNA_E

ClientSampleId :

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Tgt Ion:	77	Resp:	79332
Ion	Ratio	Lower	Upper
77	100		
105	97.8	82.8	122.8
106	92.3	77.9	117.9



#10

Phenol

Concen: 7.924 ng

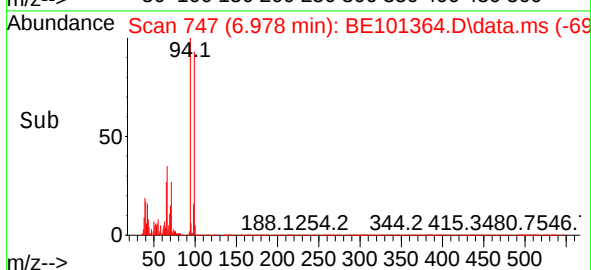
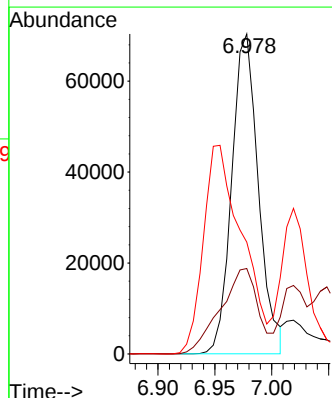
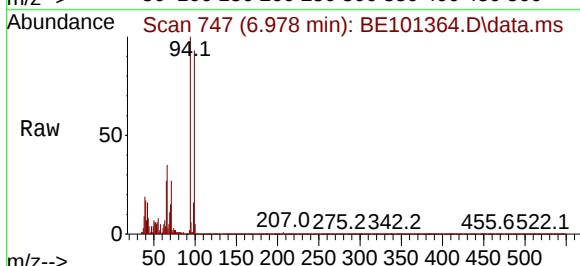
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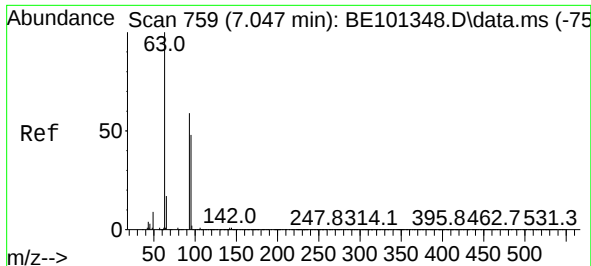
Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Tgt Ion:	94	Resp:	114725
Ion	Ratio	Lower	Upper
94	100		
65	26.7	7.1	47.1
66	34.9	13.1	53.1

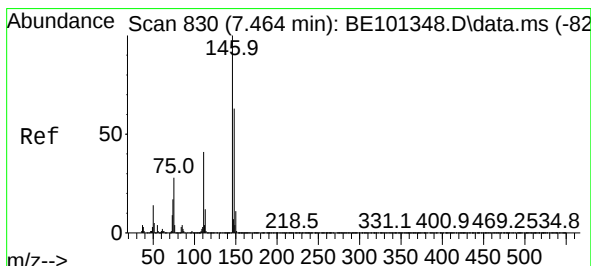
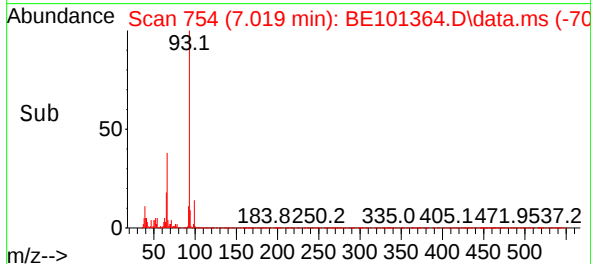
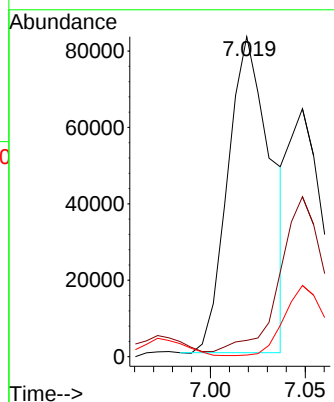
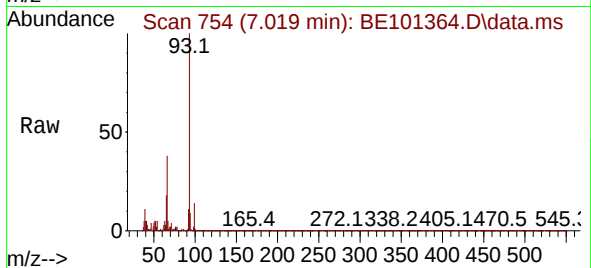




#11
bis(2-Chloroethyl)ether
Concen: 10.670 ng
RT: 7.019 min Scan# 701
Delta R.T. -0.028 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

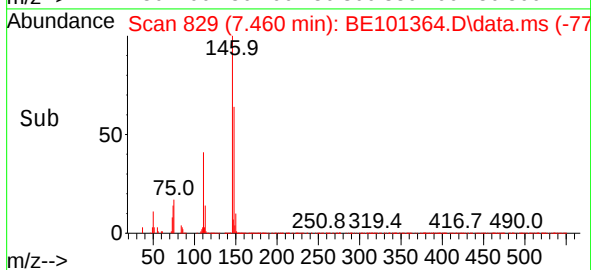
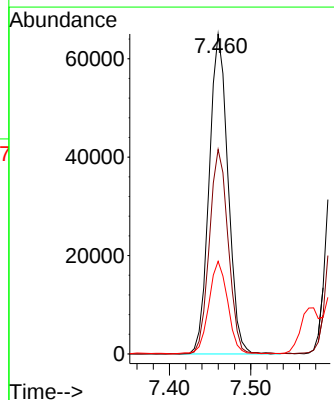
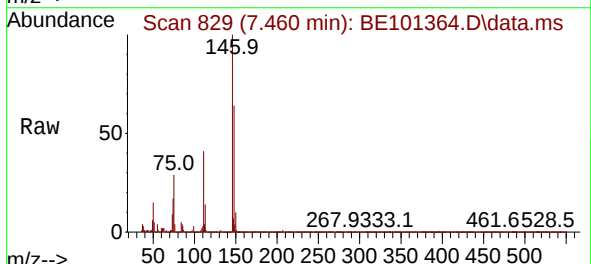
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

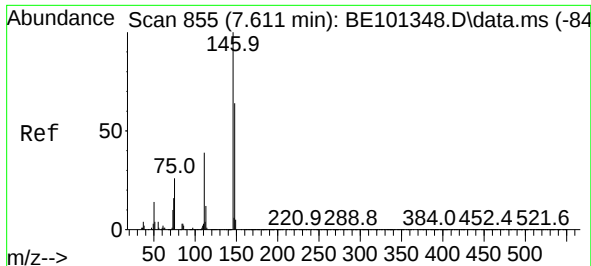
Tgt Ion: 93 Resp: 130749
Ion Ratio Lower Upper
93 100
63 5.1 43.7 83.7#
95 0.5 8.7 48.7#



#12
1,3-Dichlorobenzene
Concen: 8.720 ng
RT: 7.460 min Scan# 829
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:146 Resp: 104646
Ion Ratio Lower Upper
146 100
148 63.9 50.8 76.2
75 29.0 22.1 33.1





#13

1,4-Dichlorobenzene

Concen: 8.843 ng

RT: 7.607 min Scan# 855

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

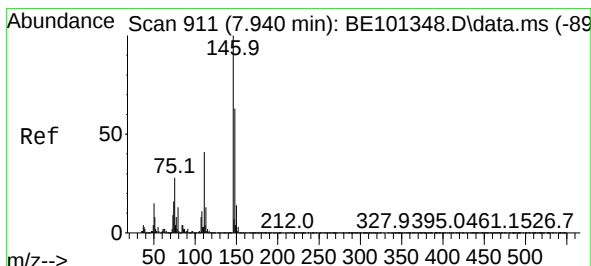
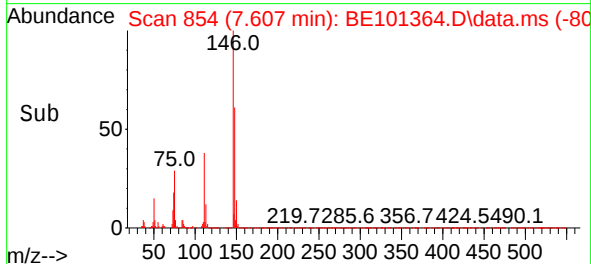
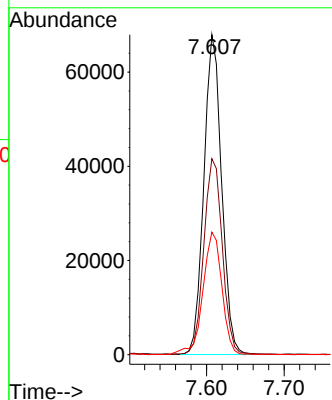
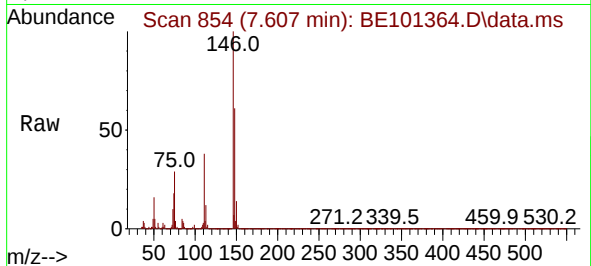
Tgt Ion:146 Resp: 108123

Ion Ratio Lower Upper

146 100

148 61.3 51.1 76.7

111 38.3 31.1 46.7



#14

1,2-Dichlorobenzene

Concen: 8.633 ng

RT: 7.936 min Scan# 910

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

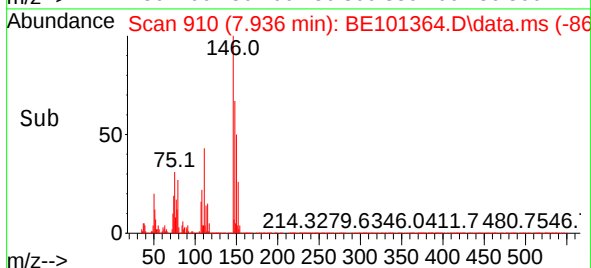
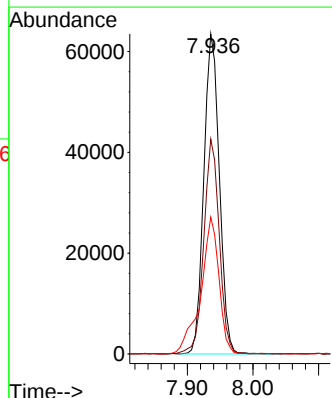
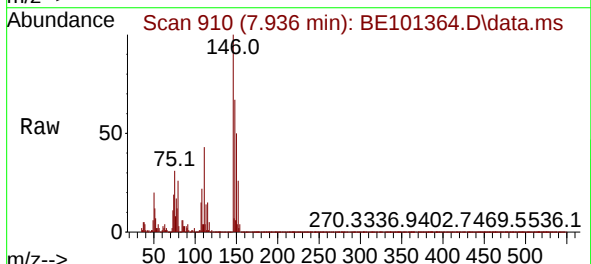
Tgt Ion:146 Resp: 104593

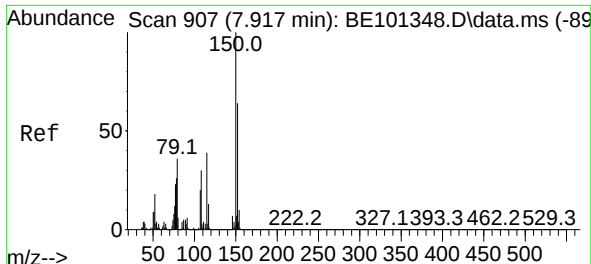
Ion Ratio Lower Upper

146 100

148 67.1 50.4 75.6

111 42.7 32.6 48.8





#15

Benzyl Alcohol

Concen: 10.334 ng

RT: 7.918 min Scan# 907

Delta R.T. 0.001 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

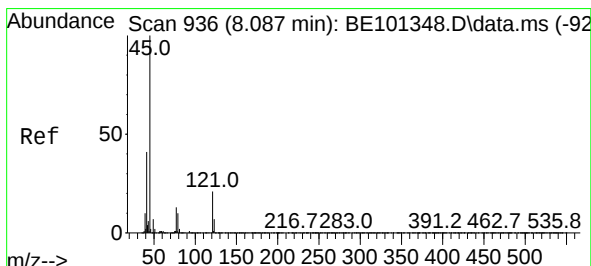
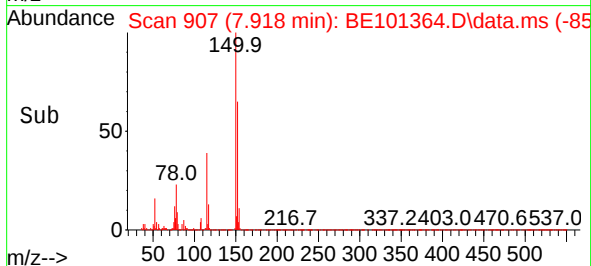
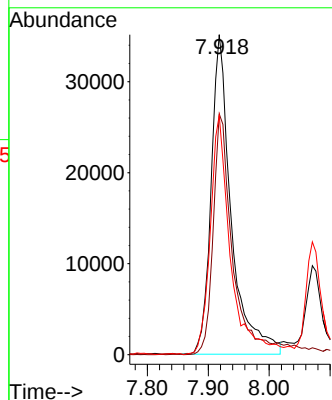
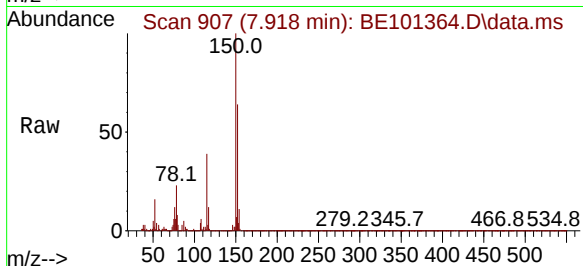
Tgt Ion: 79 Resp: 81055

Ion Ratio Lower Upper

79 100

108 75.2 66.0 99.0

77 74.8 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.209 ng

RT: 8.071 min Scan# 933

Delta R.T. -0.016 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

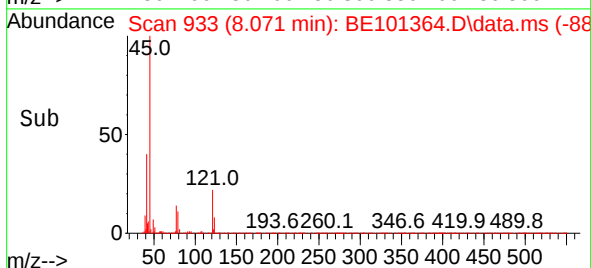
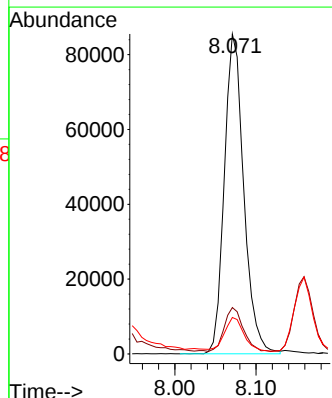
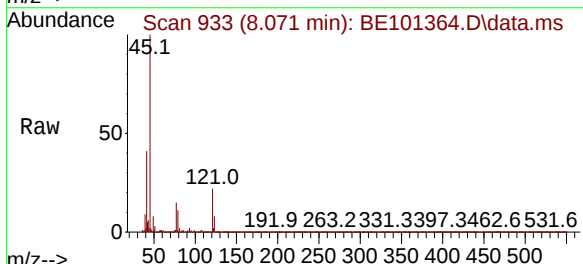
Tgt Ion: 45 Resp: 142225

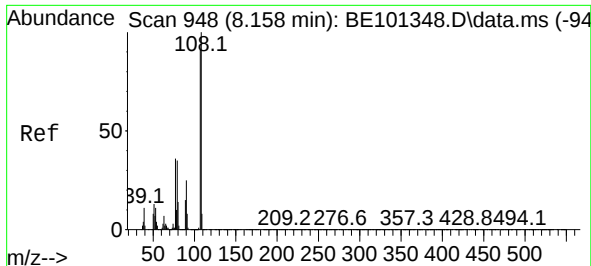
Ion Ratio Lower Upper

45 100

77 14.5 0.0 34.3

79 11.4 0.0 31.6

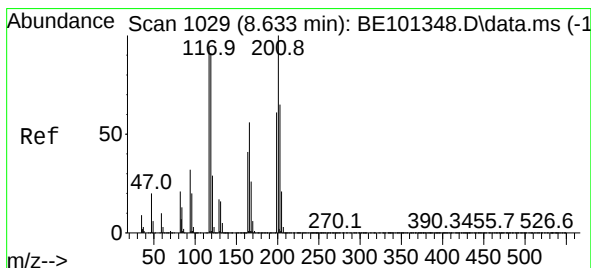
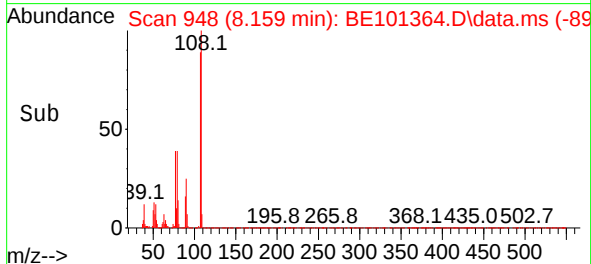
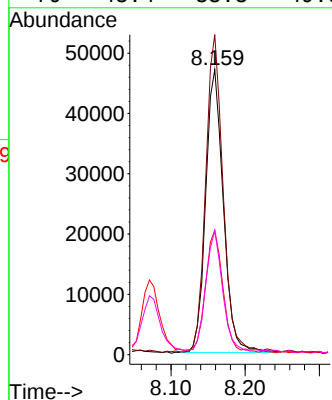
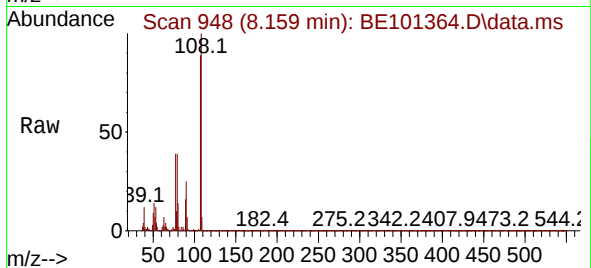




#17
2-Methylphenol
Concen: 8.121 ng
RT: 8.159 min Scan# 948
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

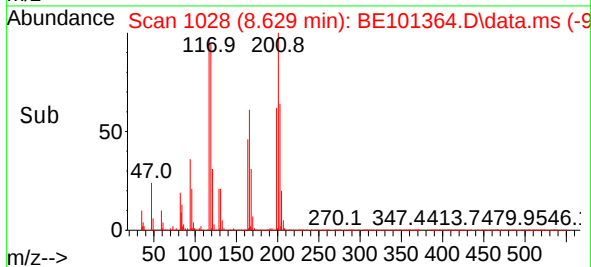
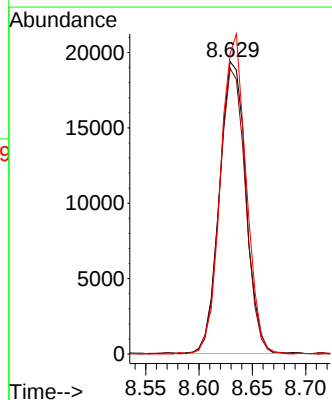
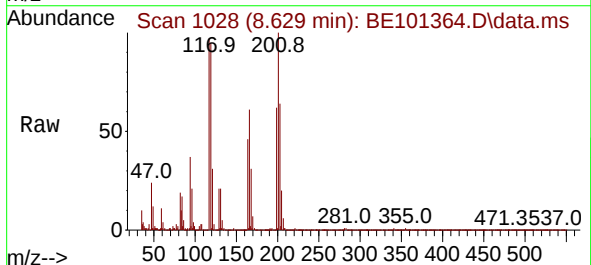
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

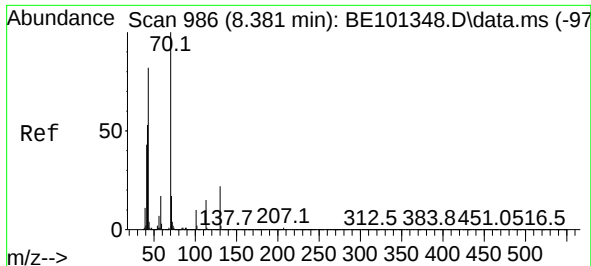
Tgt Ion:	107	Resp:	77913
Ion	Ratio	Lower	Upper
107	100		
108	112.2	88.2	132.2
77	43.7	34.9	52.3
79	43.4	33.3	49.9



#18
Hexachloroethane
Concen: 8.370 ng
RT: 8.629 min Scan# 1028
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:	117	Resp:	33467
Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.4	116.2
201	102.7	84.8	127.2

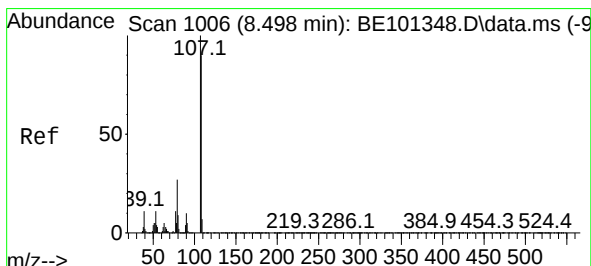
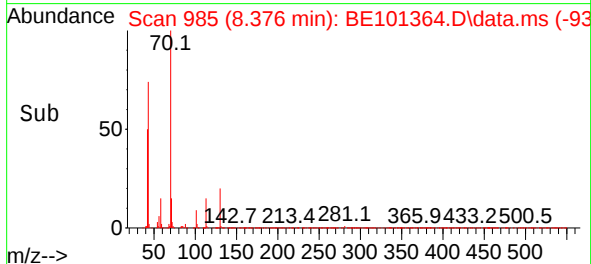
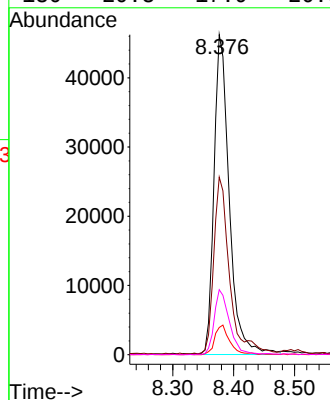
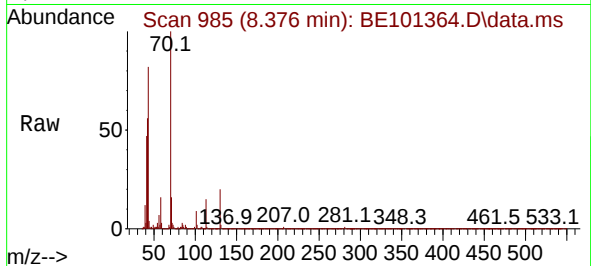




#19
n-Nitroso-di-n-propylamine
Concen: 8.641 ng
RT: 8.376 min Scan# 91
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

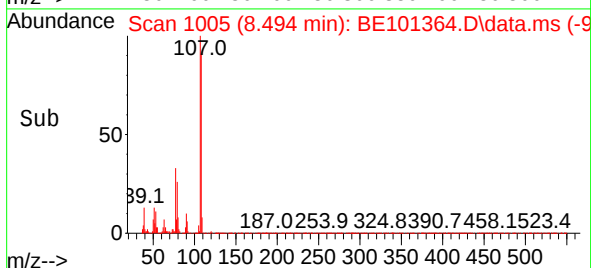
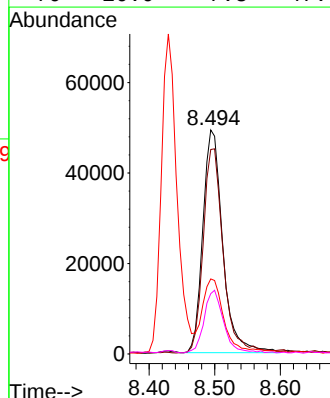
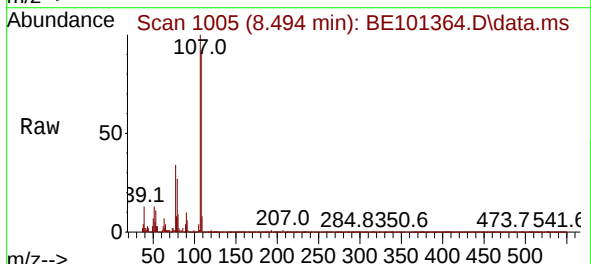
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

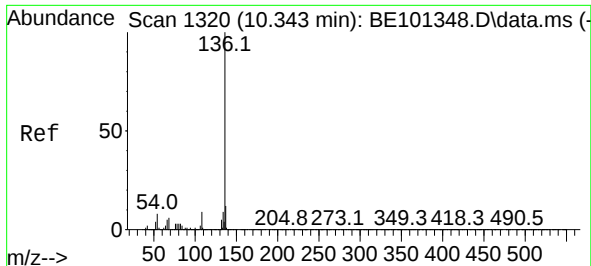
Tgt Ion: 70	Resp: 80338
Ion Ratio	Lower Upper
70	100
42	55.5 42.5 63.7
101	8.5 7.8 11.6
130	20.3 17.9 26.9



#20
3+4-Methylphenols
Concen: 7.728 ng
RT: 8.494 min Scan# 1005
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion: 107	Resp: 104325
Ion Ratio	Lower Upper
107	100
108	91.3 70.4 110.4
77	33.5 12.5 52.5
79	26.9 7.3 47.3

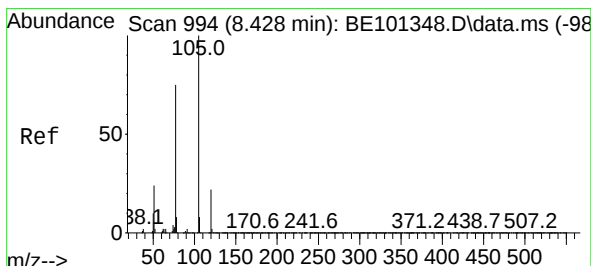
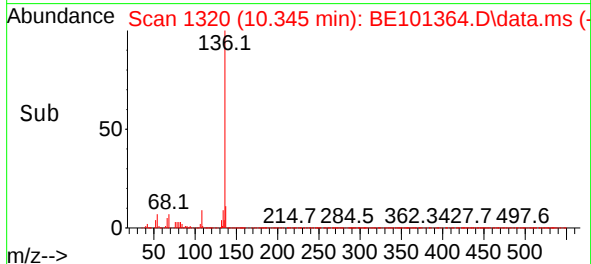
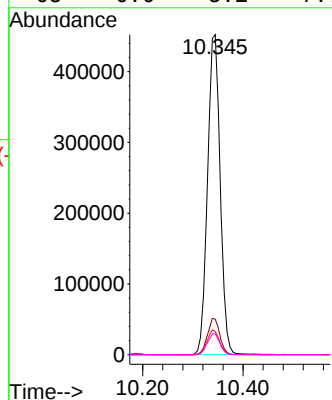
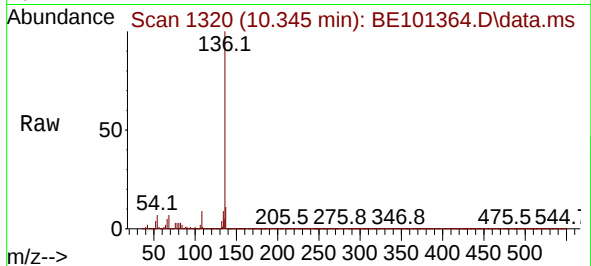




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.345 min Scan# 1320
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

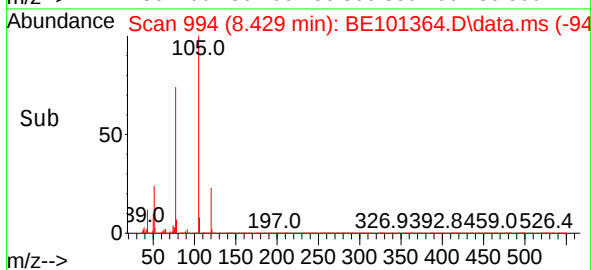
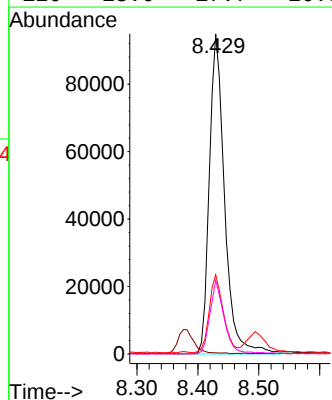
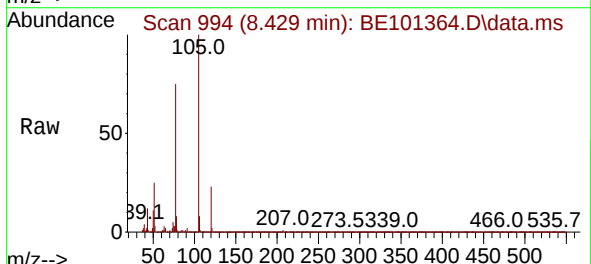
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

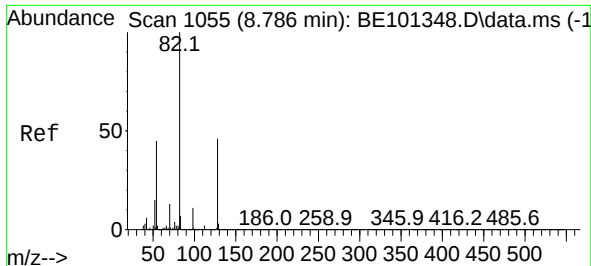
Tgt Ion:	136	Resp:	791239
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	7.2	6.1	9.1
68	6.6	5.1	7.7



#22
Acetophenone
Concen: 8.976 ng
RT: 8.429 min Scan# 994
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:	105	Resp:	164684
Ion	Ratio	Lower	Upper
105	100		
71	0.3	0.1	0.1#
51	24.8	19.0	28.4
120	23.0	17.7	26.5





#23

Nitrobenzene-d5

Concen: 100.162 ng

RT: 8.788 min Scan# 1055

Delta R.T. 0.001 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

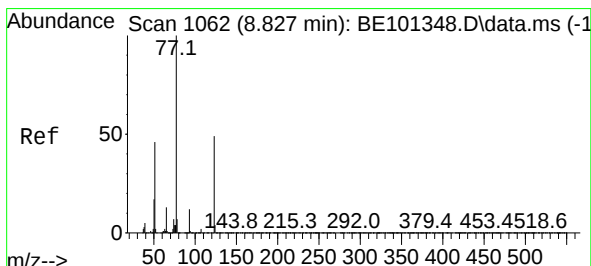
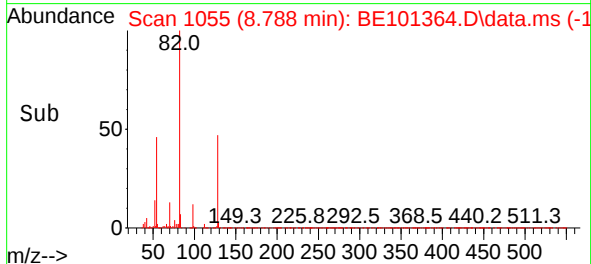
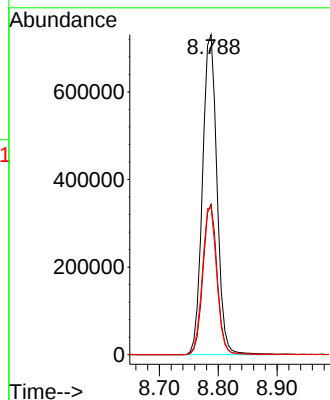
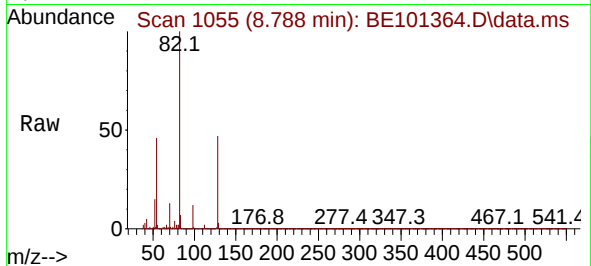
Tgt Ion: 82 Resp: 1250074

Ion Ratio Lower Upper

82 100

128 47.0 36.8 55.2

54 45.9 36.2 54.4



#24

Nitrobenzene

Concen: 8.931 ng

RT: 8.823 min Scan# 1061

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

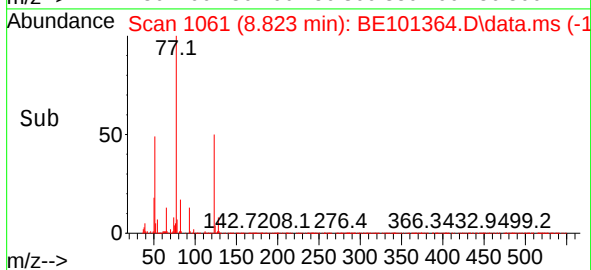
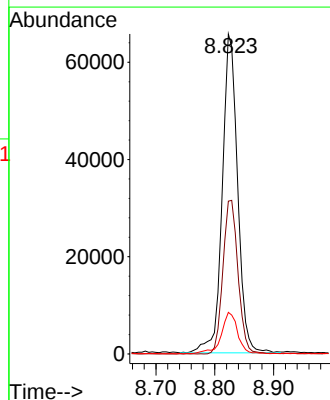
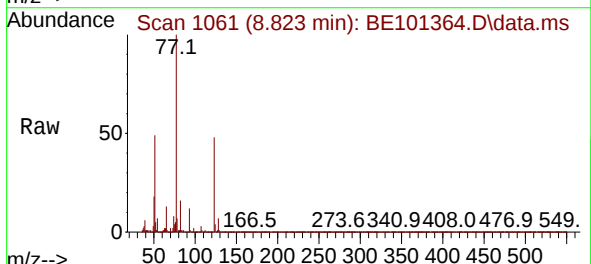
Tgt Ion: 77 Resp: 118995

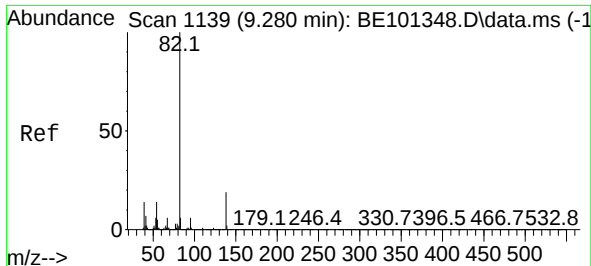
Ion Ratio Lower Upper

77 100

123 47.8 39.0 58.4

65 13.0 10.2 15.4

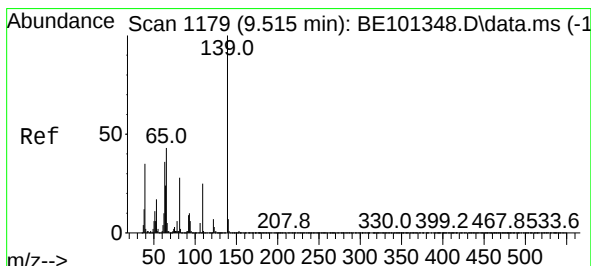
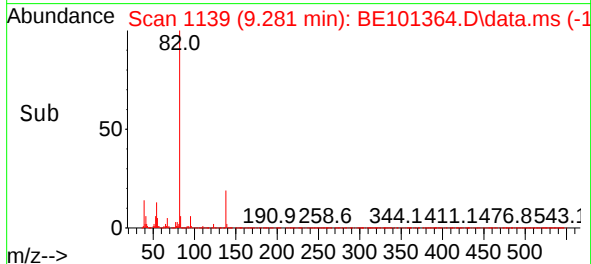
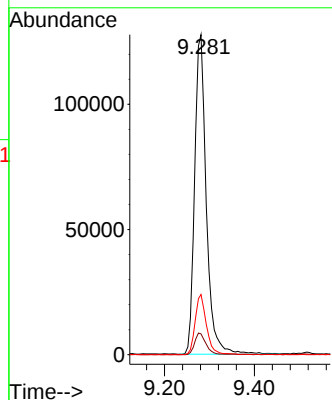
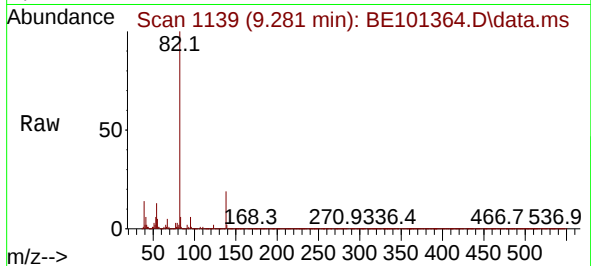




#25
Isophorone
Concen: 9.010 ng
RT: 9.281 min Scan# 1139
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

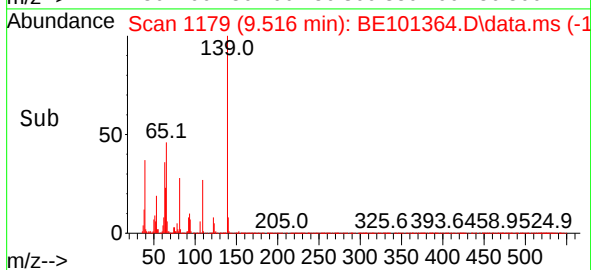
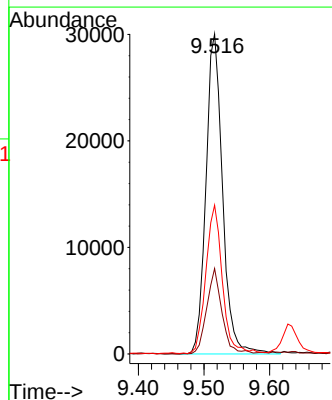
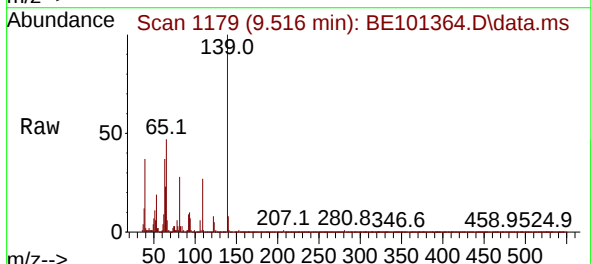
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

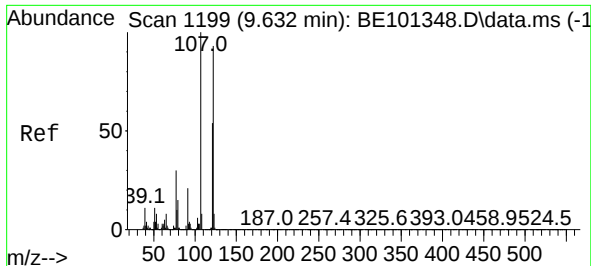
Tgt Ion: 82 Resp: 230190
Ion Ratio Lower Upper
82 100
95 6.5 5.2 7.8
138 18.8 15.0 22.6



#26
2-Nitrophenol
Concen: 8.431 ng
RT: 9.516 min Scan# 1179
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion: 139 Resp: 53016
Ion Ratio Lower Upper
139 100
109 26.7 19.8 29.6
65 46.5 34.6 52.0

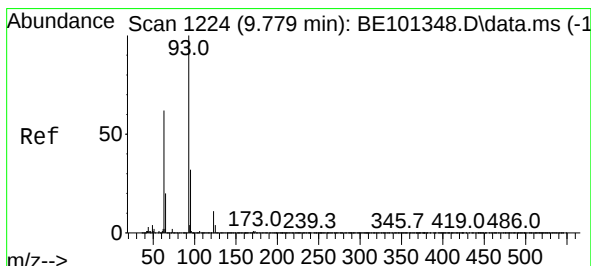
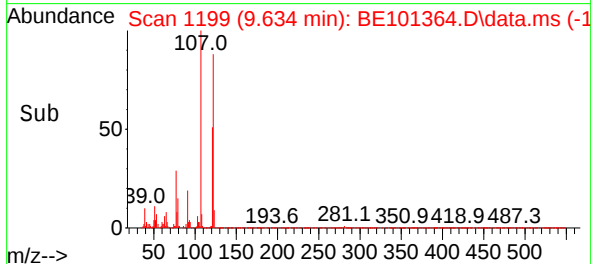
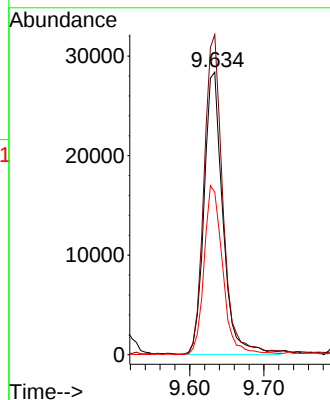
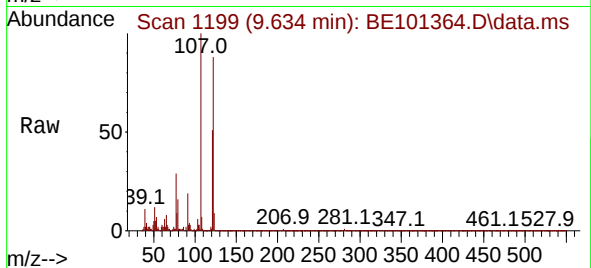




#27
2,4-Dimethylphenol
Concen: 6.184 ng
RT: 9.634 min Scan# 1199
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

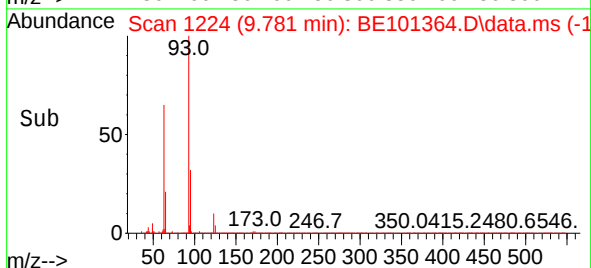
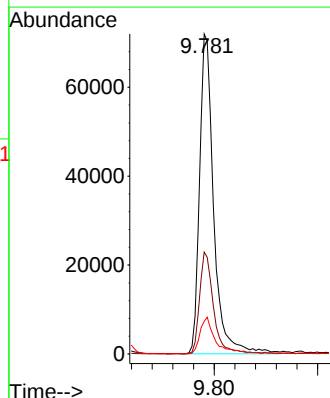
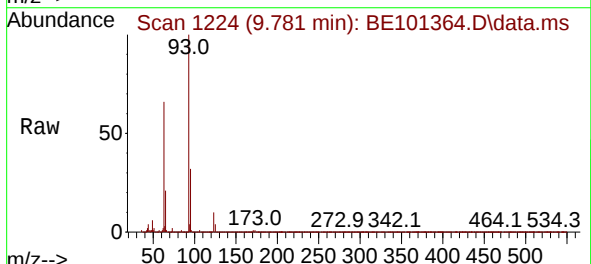
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

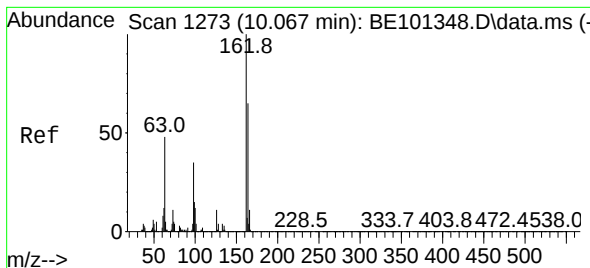
Tgt Ion:122 Resp: 49920
Ion Ratio Lower Upper
122 100
107 113.3 86.4 129.6
121 57.5 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 8.809 ng
RT: 9.781 min Scan# 1224
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion: 93 Resp: 136143
Ion Ratio Lower Upper
93 100
95 31.8 26.0 39.0
123 10.2 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 8.354 ng

RT: 10.063 min Scan# 1272

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

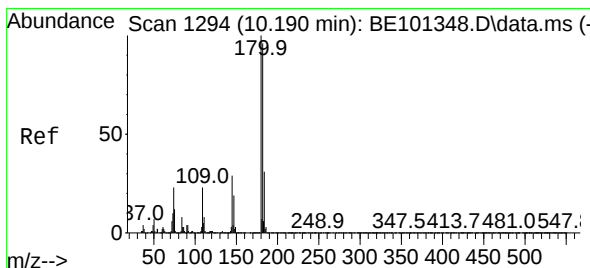
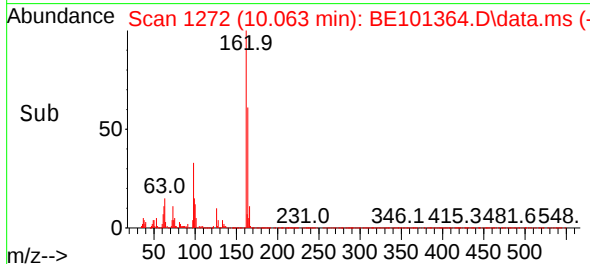
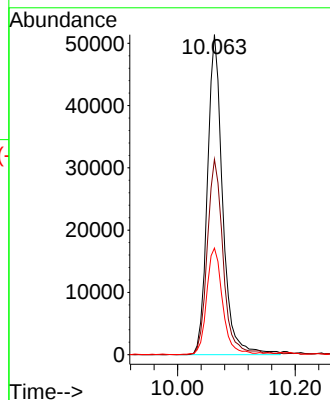
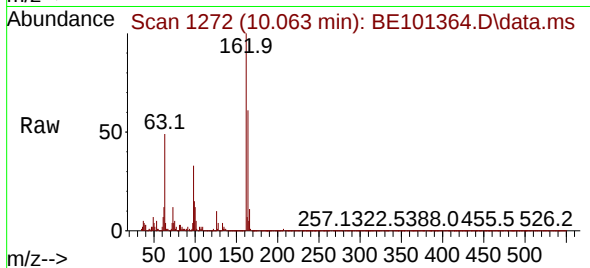
Tgt Ion:162 Resp: 92356

Ion Ratio Lower Upper

162 100

164 61.0 44.6 84.6

98 33.3 14.7 54.7



#30

1,2,4-Trichlorobenzene

Concen: 8.591 ng

RT: 10.186 min Scan# 1293

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

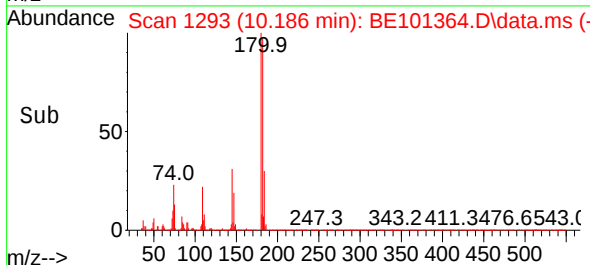
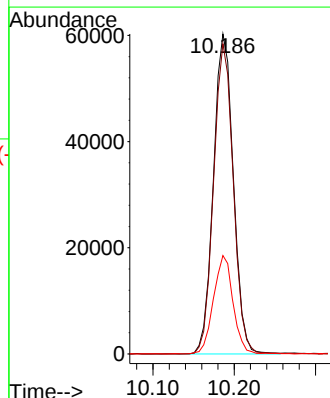
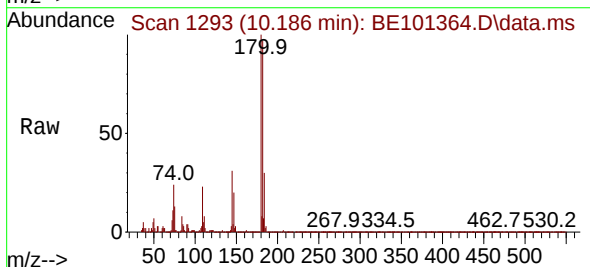
Tgt Ion:180 Resp: 102651

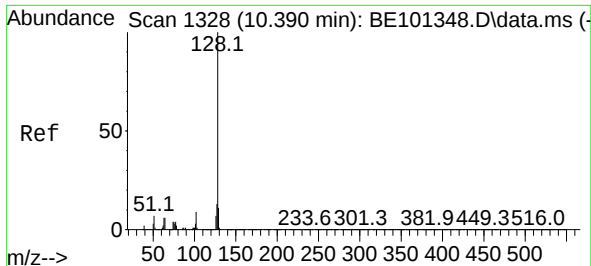
Ion Ratio Lower Upper

180 100

182 97.0 76.6 114.8

145 30.8 23.5 35.3

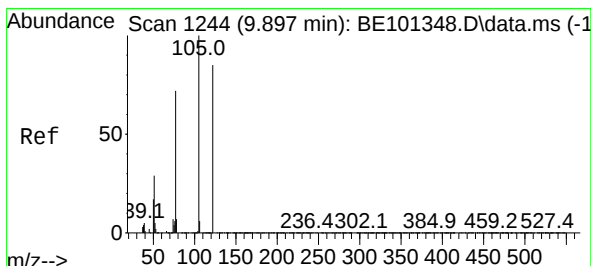
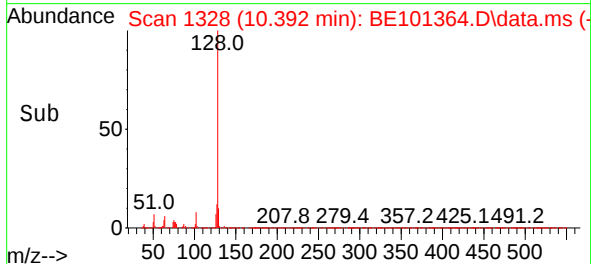
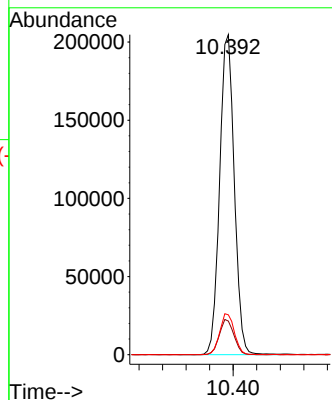
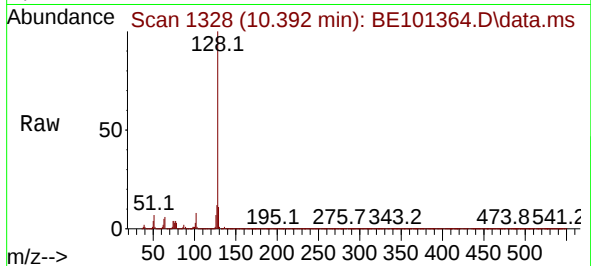




#31
Naphthalene
Concen: 8.826 ng
RT: 10.392 min Scan# 1328
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

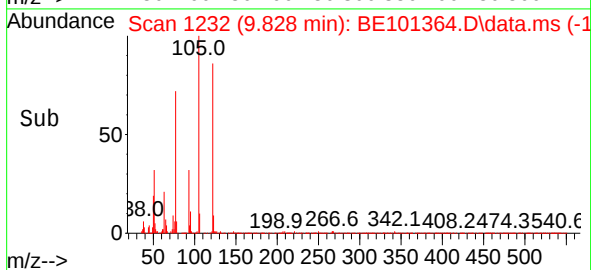
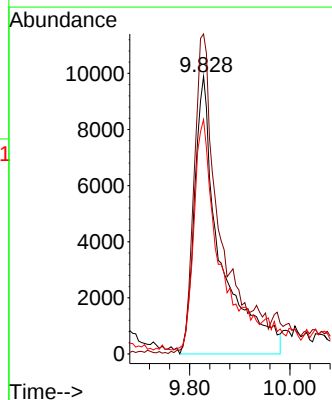
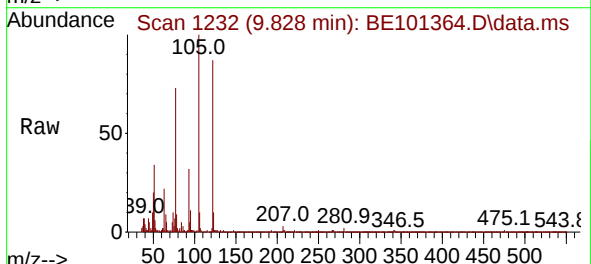
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

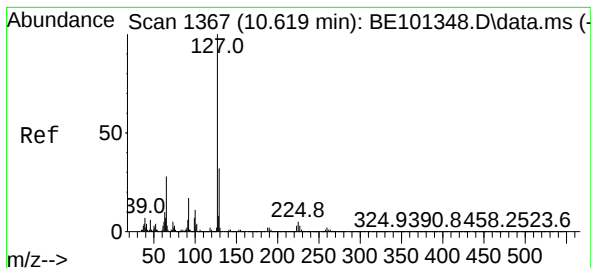
Tgt Ion:128 Resp: 352380
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 12.5 10.3 15.5



#32
Benzoic acid
Concen: 10.815 ng
RT: 9.828 min Scan# 1232
Delta R.T. -0.069 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:122 Resp: 35272
Ion Ratio Lower Upper
122 100
105 115.3 96.7 136.7
77 84.5 64.8 104.8





#33

4-Chloroaniline

Concen: 8.958 ng

RT: 10.621 min Scan# 1367

Delta R.T. 0.001 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:127 Resp: 136833

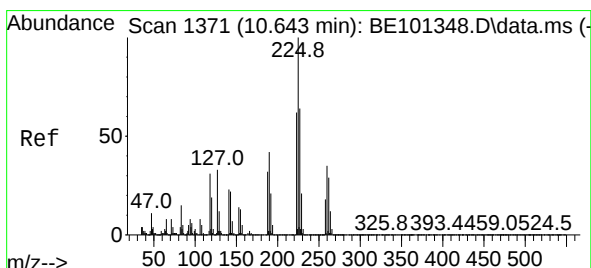
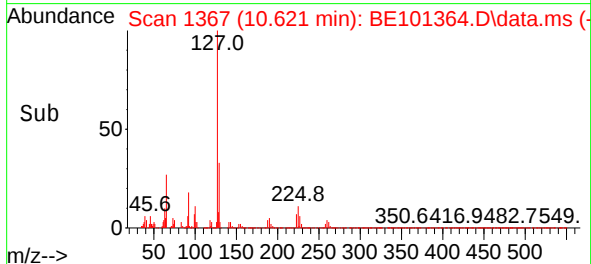
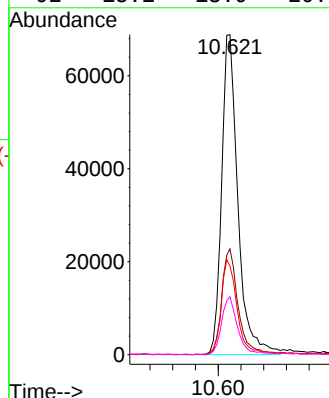
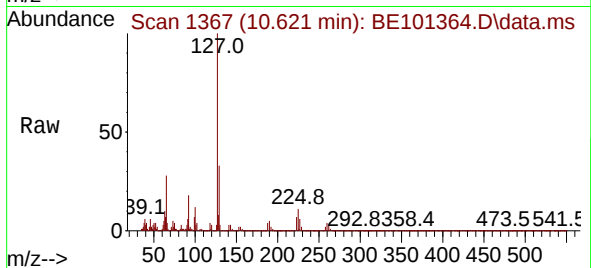
Ion Ratio Lower Upper

127 100

129 33.1 25.8 38.8

65 27.7 22.5 33.7

92 18.1 13.9 20.9



#34

Hexachlorobutadiene

Concen: 8.485 ng

RT: 10.638 min Scan# 1370

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

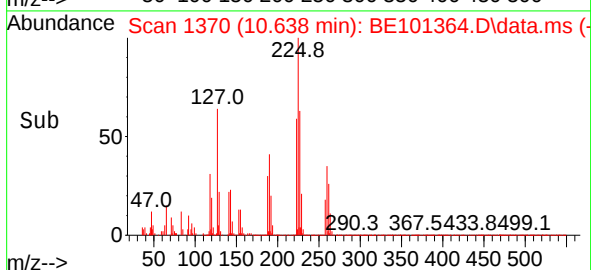
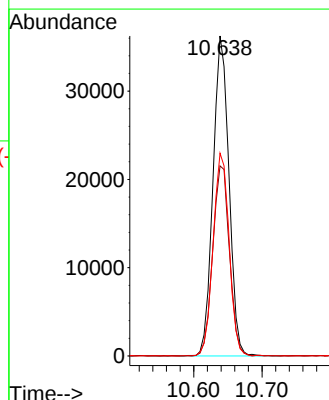
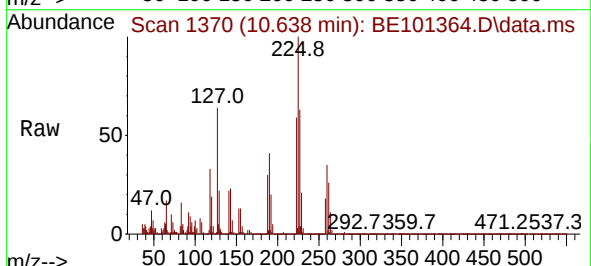
Tgt Ion:225 Resp: 58901

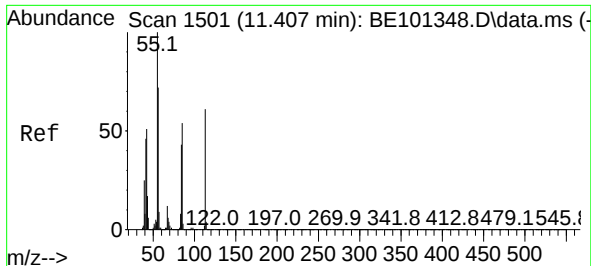
Ion Ratio Lower Upper

225 100

223 59.4 49.8 74.8

227 63.3 51.3 76.9





#35

Caprolactam

Concen: 7.877 ng

RT: 11.402 min Scan# 1501

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

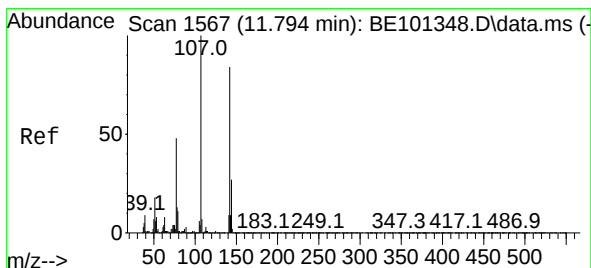
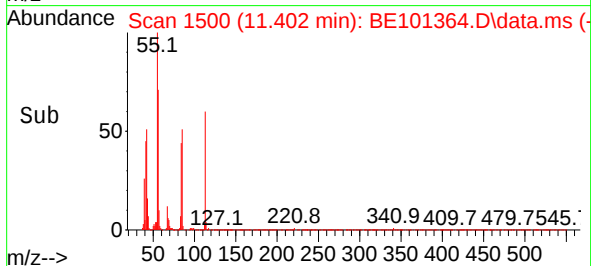
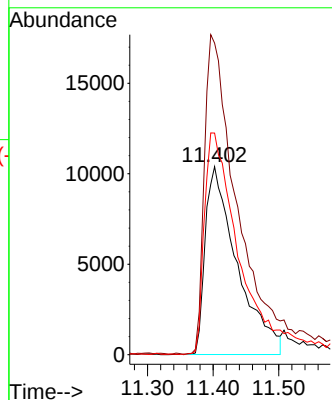
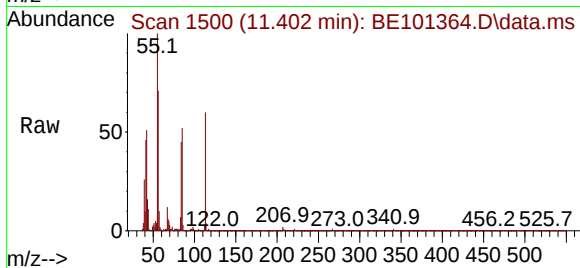
Tgt Ion:113 Resp: 35180

Ion Ratio Lower Upper

113 100

55 165.7 144.8 184.8

56 117.9 99.3 139.3



#36

4-Chloro-3-methylphenol

Concen: 8.492 ng

RT: 11.790 min Scan# 1566

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

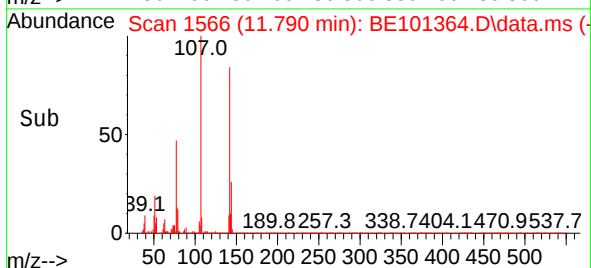
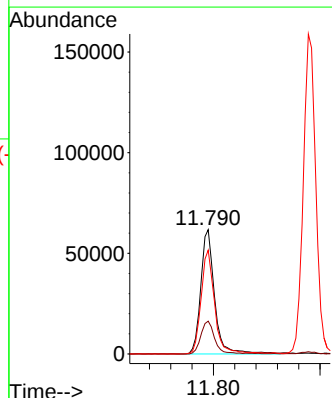
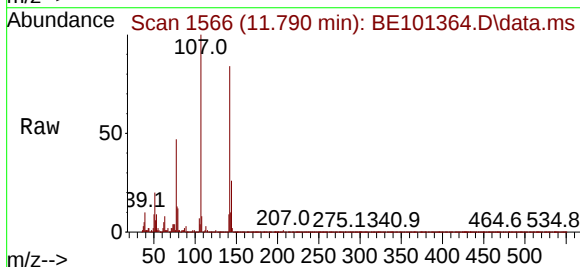
Tgt Ion:107 Resp: 110935

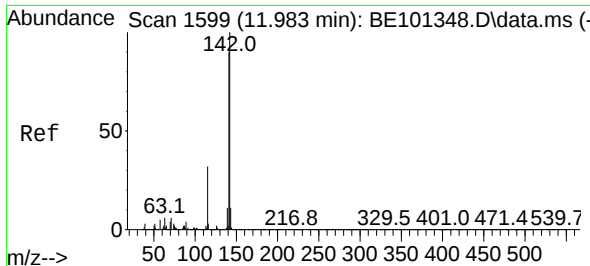
Ion Ratio Lower Upper

107 100

144 26.4 21.9 32.9

142 83.5 67.4 101.2

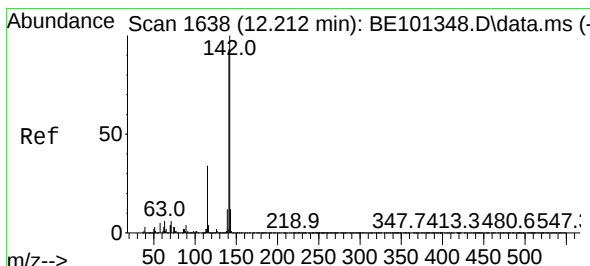
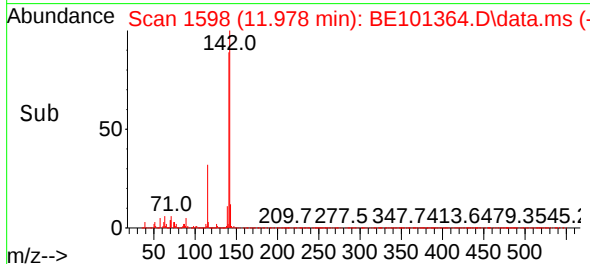
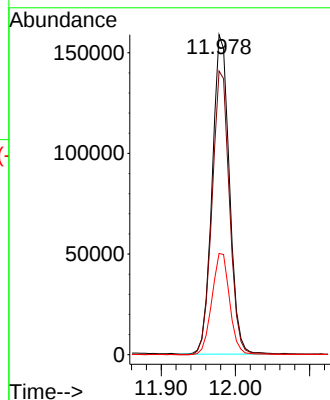
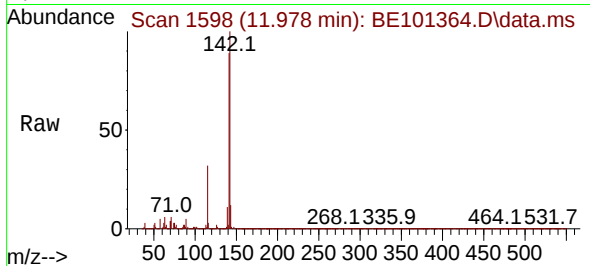




#37
2-Methylnaphthalene
Concen: 8.753 ng
RT: 11.978 min Scan# 1599
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

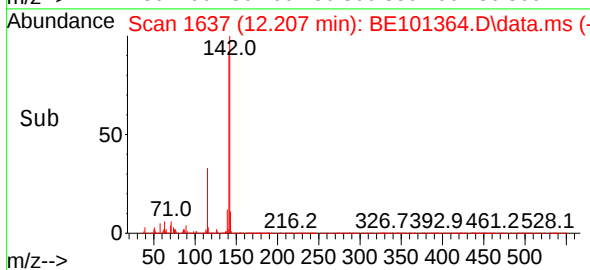
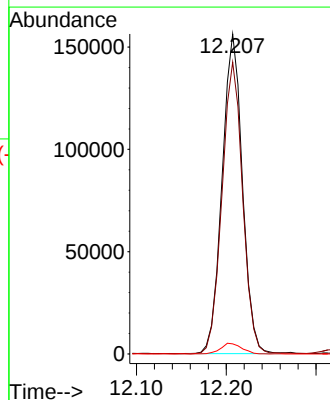
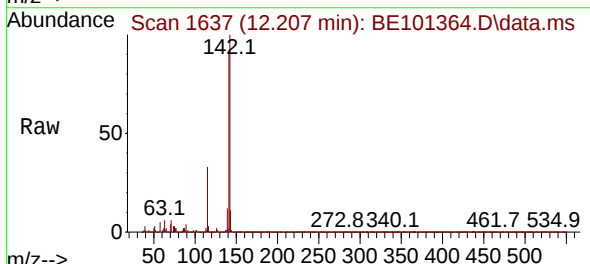
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

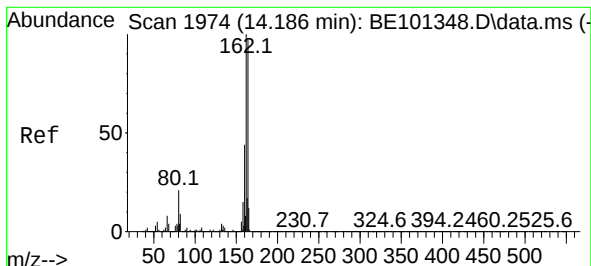
Tgt Ion:142 Resp: 255579
Ion Ratio Lower Upper
142 100
141 88.6 71.8 107.6
115 31.7 25.6 38.4



#38
1-Methylnaphthalene
Concen: 8.356 ng
RT: 12.207 min Scan# 1637
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:142 Resp: 244757
Ion Ratio Lower Upper
142 100
141 91.2 74.3 111.5
116 3.1 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.181 min Scan# 1

Delta R.T. -0.005 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

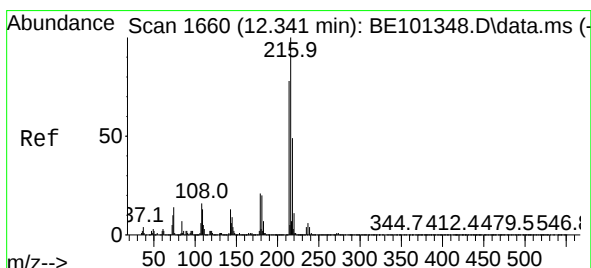
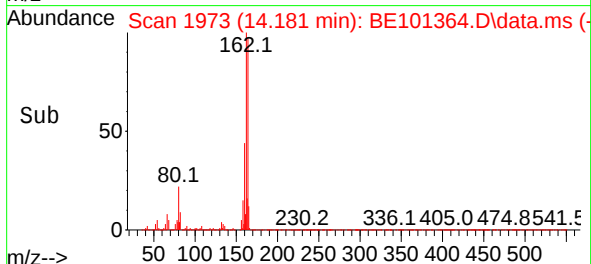
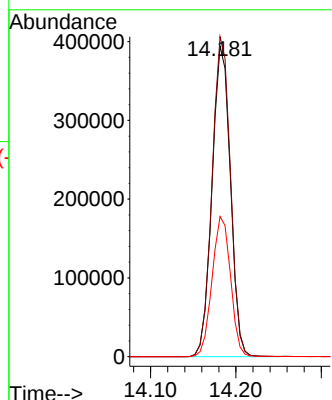
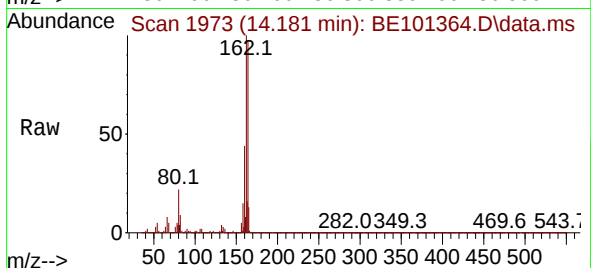
Tgt Ion:164 Resp: 589289

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

160 45.2 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.728 ng

RT: 12.336 min Scan# 1659

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Tgt Ion:216 Resp: 123902

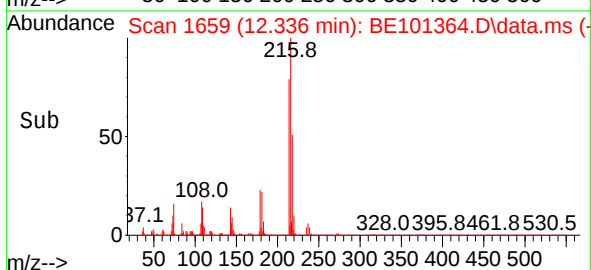
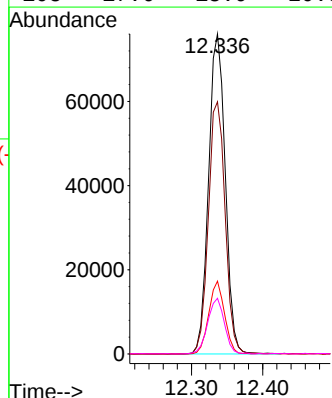
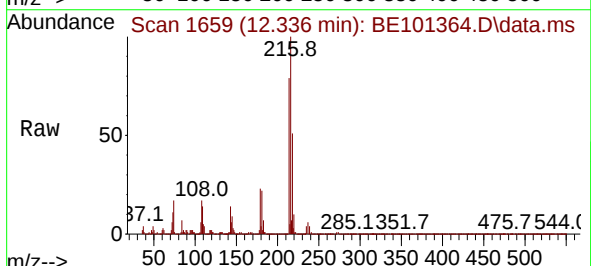
Ion Ratio Lower Upper

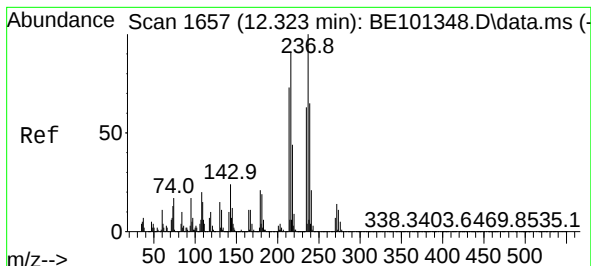
216 100

214 79.6 62.6 94.0

179 21.7 16.9 25.3

108 17.6 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 6.019 ng

RT: 12.319 min Scan# 1

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

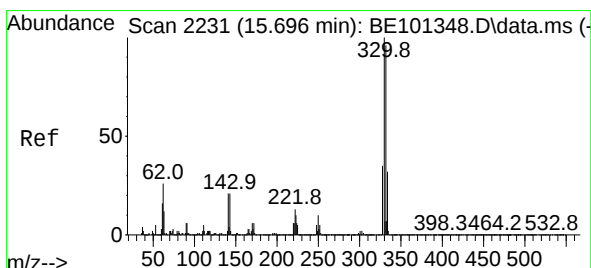
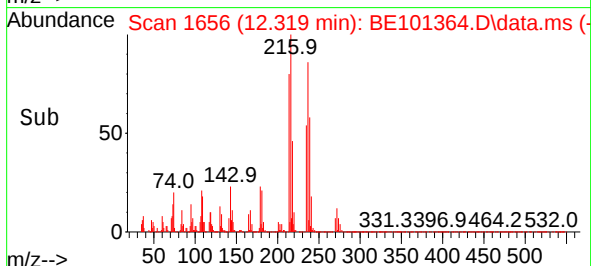
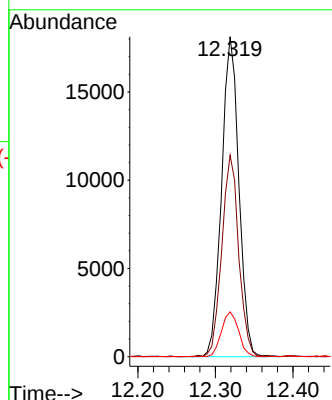
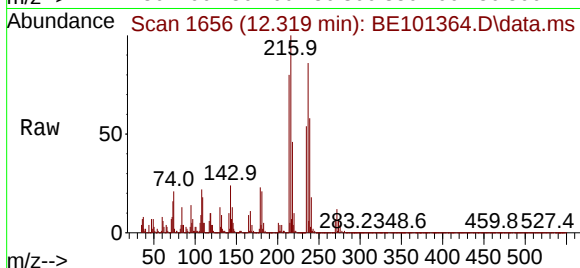
Tgt Ion:237 Resp: 28076

Ion Ratio Lower Upper

237 100

235 63.0 42.9 82.9

272 14.0 0.0 34.0



#42

2,4,6-Tribromophenol

Concen: 146.151 ng

RT: 15.691 min Scan# 2230

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

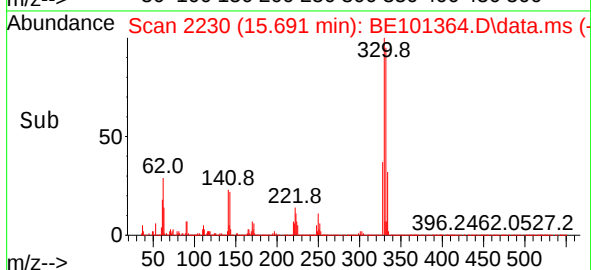
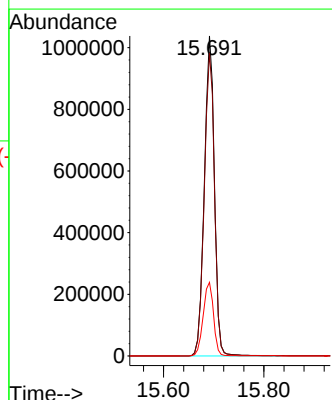
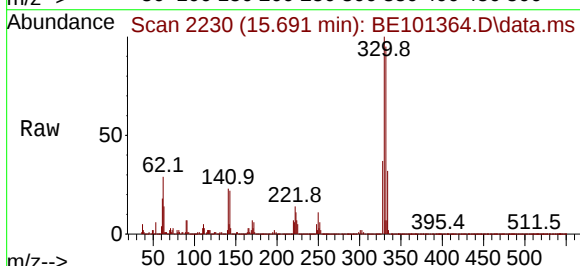
Tgt Ion:330 Resp: 1448587

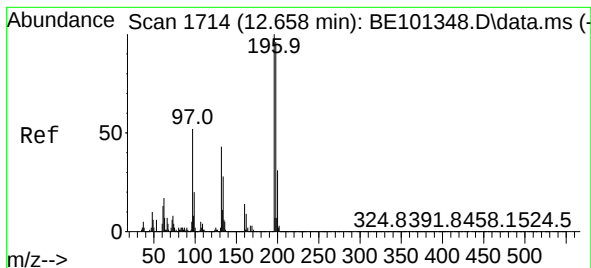
Ion Ratio Lower Upper

330 100

332 96.1 77.8 116.8

141 23.7 19.1 28.7





#43

2,4,6-Trichlorophenol

Concen: 8.321 ng

RT: 12.654 min Scan# 1

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

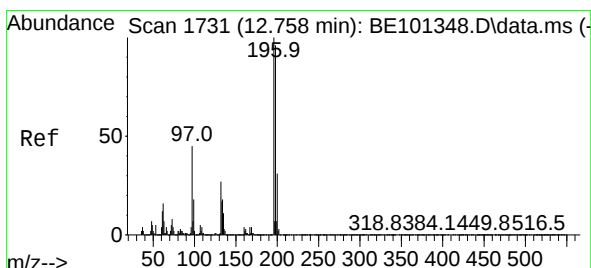
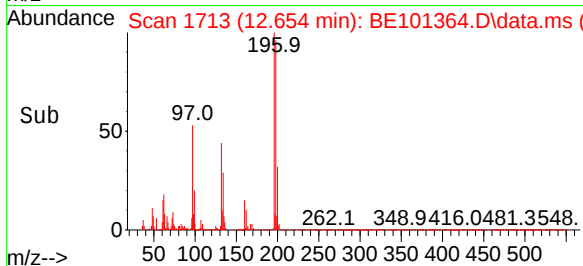
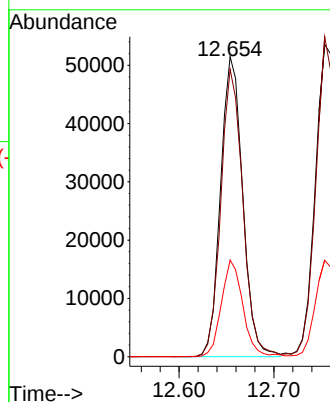
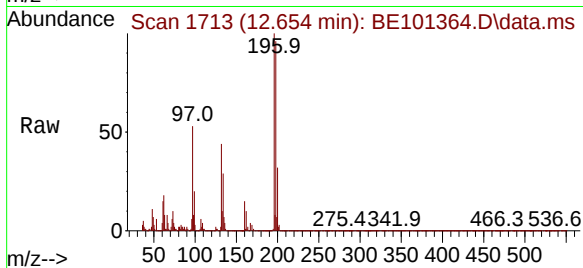
Tgt Ion:196 Resp: 83656

Ion Ratio Lower Upper

196 100

198 95.8 76.8 115.2

200 32.2 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 8.074 ng

RT: 12.754 min Scan# 1730

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Tgt Ion:196 Resp: 91583

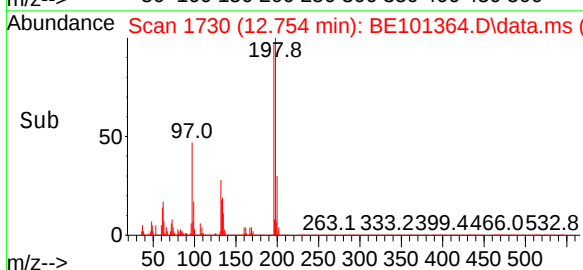
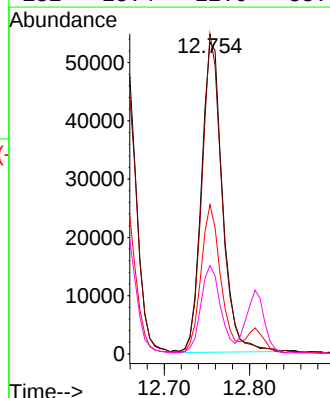
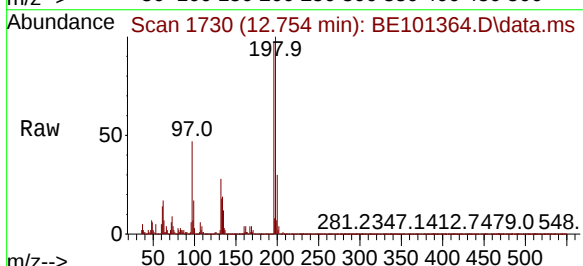
Ion Ratio Lower Upper

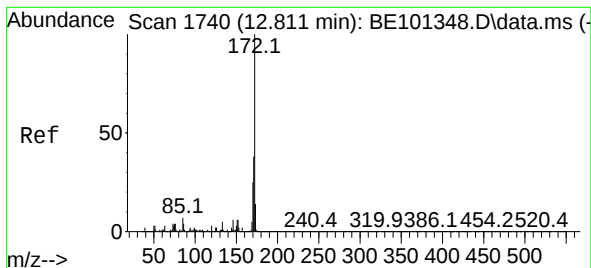
196 100

198 102.6 76.9 115.3

97 47.9 36.2 54.2

132 28.4 22.0 33.0





#45

2-Fluorobiphenyl

Concen: 94.337 ng

RT: 12.806 min Scan# 1739

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

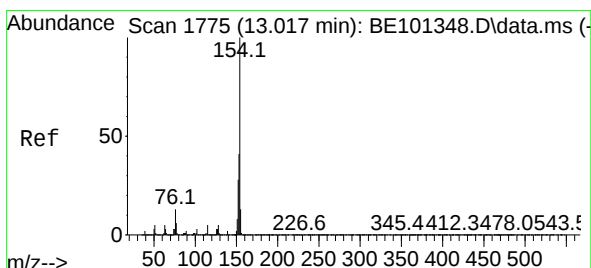
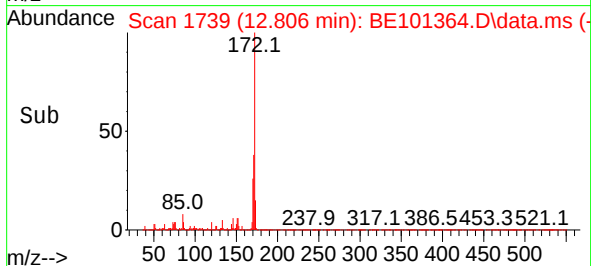
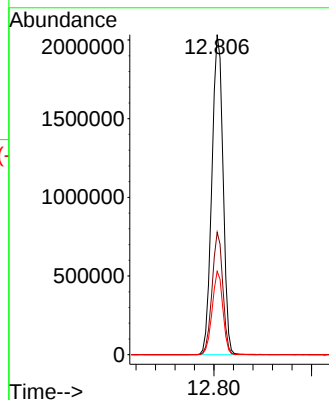
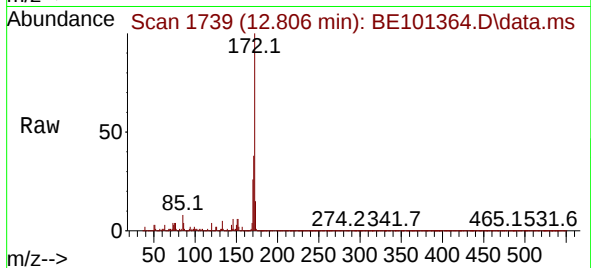
Tgt Ion:172 Resp: 3216982

Ion Ratio Lower Upper

172 100

171 38.3 30.2 45.2

170 26.1 20.2 30.4



#46

1,1'-Biphenyl

Concen: 9.202 ng

RT: 13.012 min Scan# 1774

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

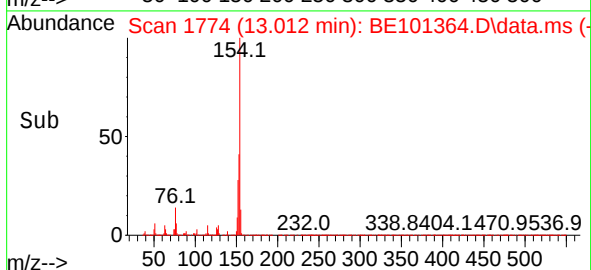
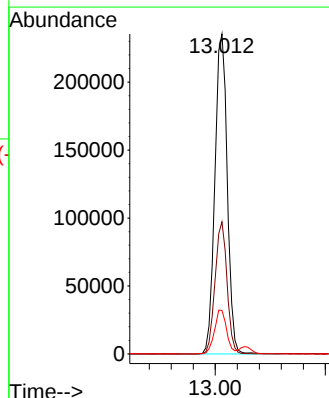
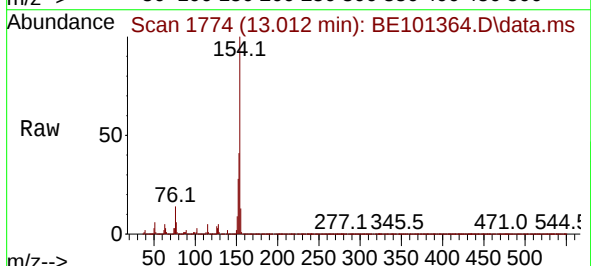
Tgt Ion:154 Resp: 367476

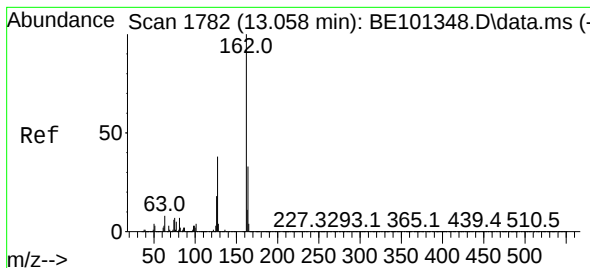
Ion Ratio Lower Upper

154 100

153 41.3 21.2 61.2

76 13.6 0.0 33.4





#47

2-Chloronaphthalene

Concen: 8.673 ng

RT: 13.053 min Scan# 1782

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

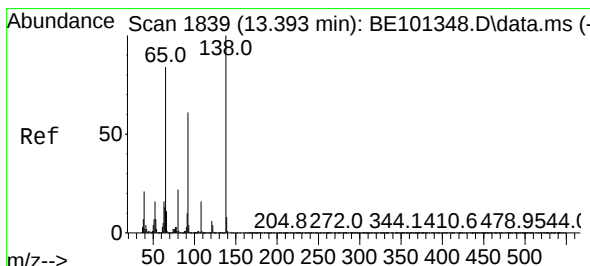
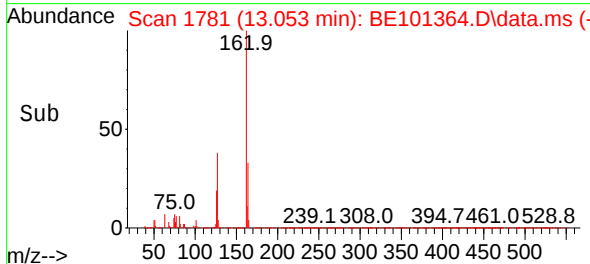
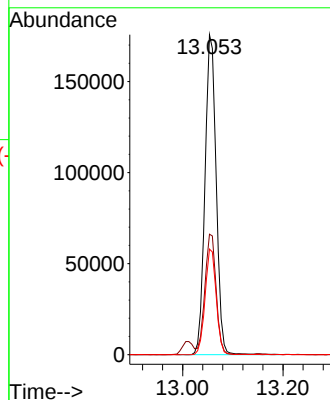
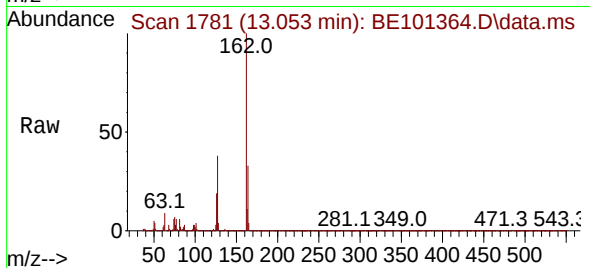
Tgt Ion:162 Resp: 272445

Ion Ratio Lower Upper

162 100

127 37.7 31.2 46.8

164 33.0 26.2 39.2



#48

2-Nitroaniline

Concen: 8.325 ng

RT: 13.388 min Scan# 1838

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

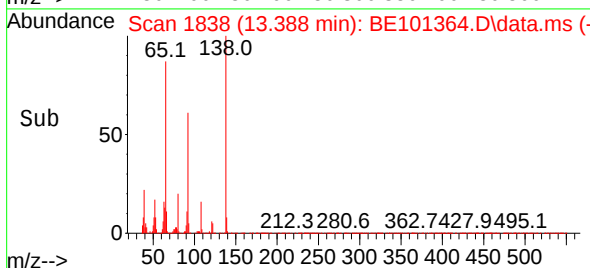
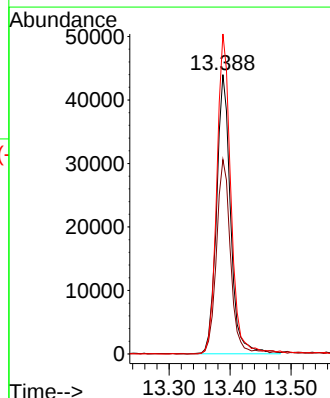
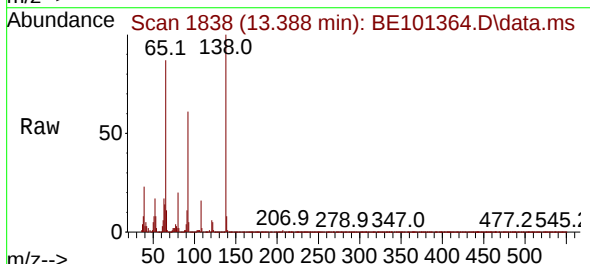
Tgt Ion: 65 Resp: 70360

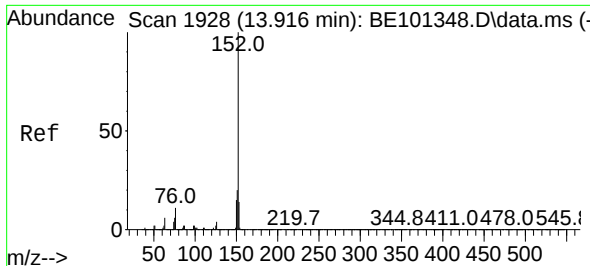
Ion Ratio Lower Upper

65 100

92 69.6 58.3 87.5

138 114.5 95.0 142.4

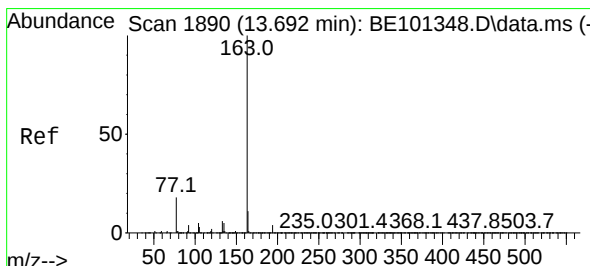
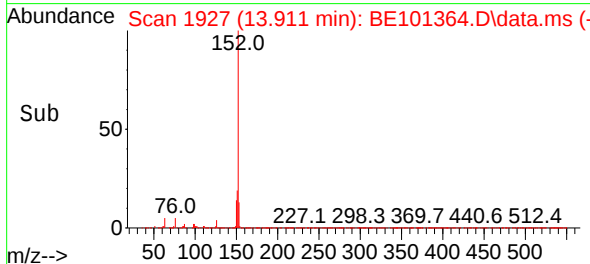
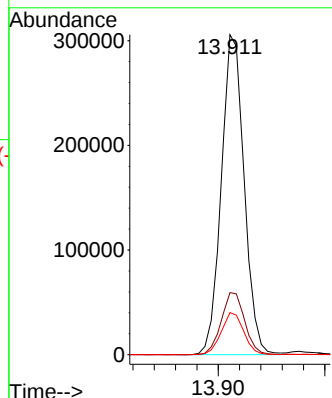
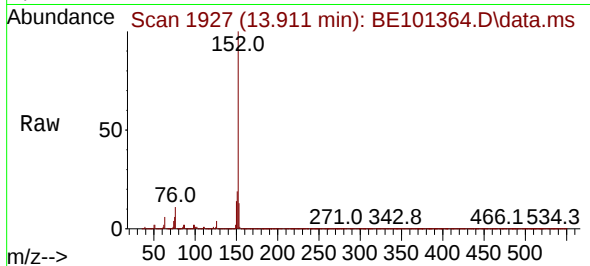




#49
Acenaphthylene
Concen: 9.675 ng
RT: 13.911 min Scan# 1927
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

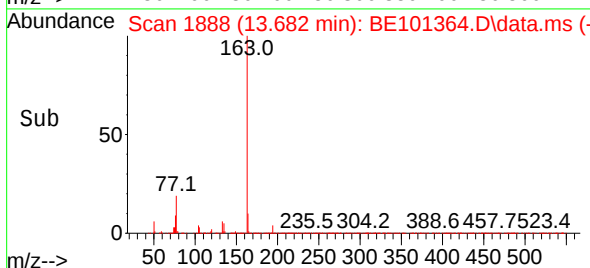
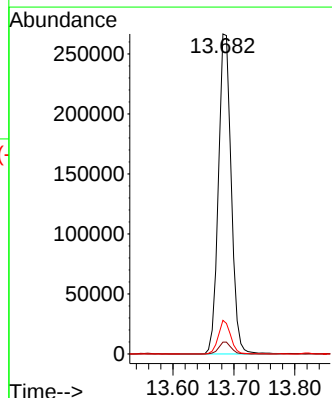
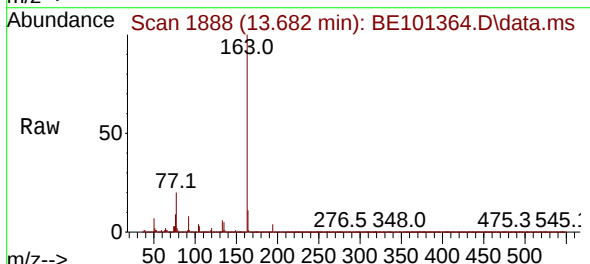
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

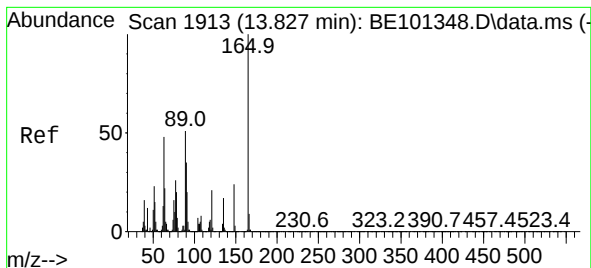
Tgt Ion:152 Resp: 453467
Ion Ratio Lower Upper
152 100
151 19.4 16.4 24.6
153 13.2 11.1 16.7



#50
Dimethylphthalate
Concen: 9.116 ng
RT: 13.682 min Scan# 1888
Delta R.T. -0.010 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:163 Resp: 387618
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.5 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 8.316 ng

RT: 13.823 min Scan# 1913

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

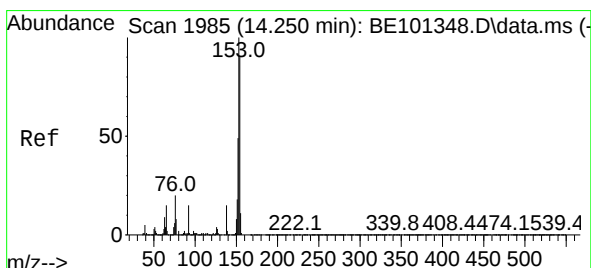
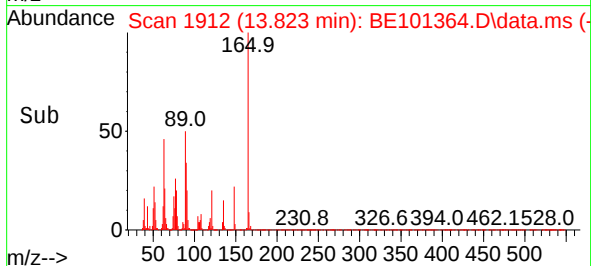
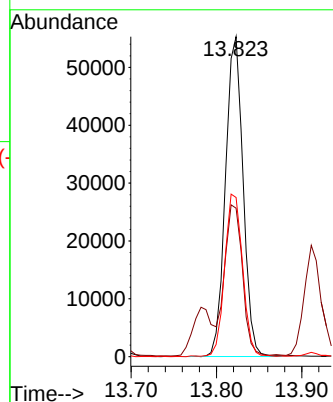
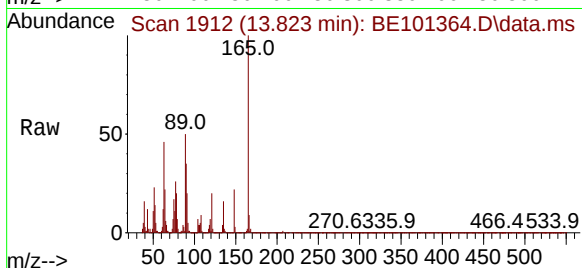
Tgt Ion:165 Resp: 79132

Ion Ratio Lower Upper

165 100

63 46.4 38.5 57.7

89 49.8 40.5 60.7



#52

Acenaphthene

Concen: 8.764 ng

RT: 14.246 min Scan# 1984

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

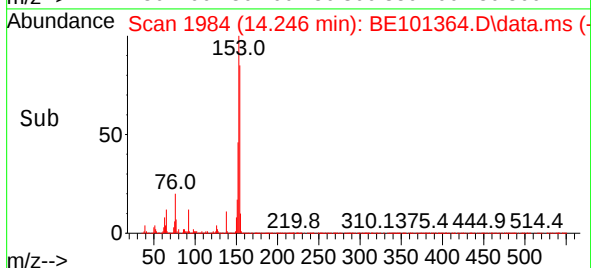
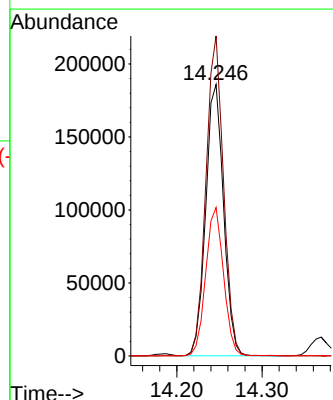
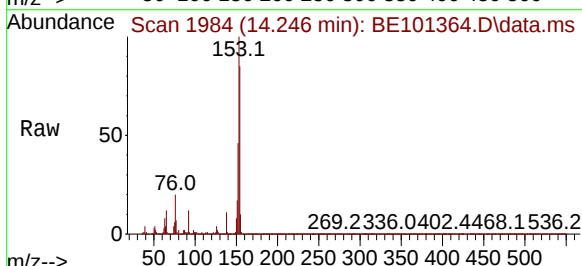
Tgt Ion:154 Resp: 270778

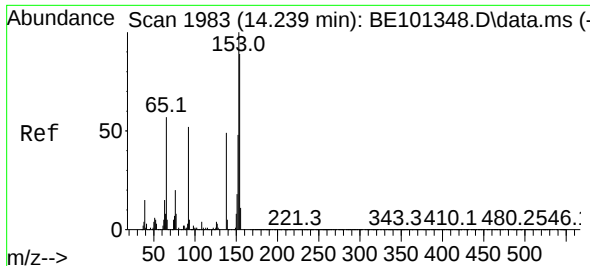
Ion Ratio Lower Upper

154 100

153 117.9 88.8 133.2

152 54.7 43.2 64.8

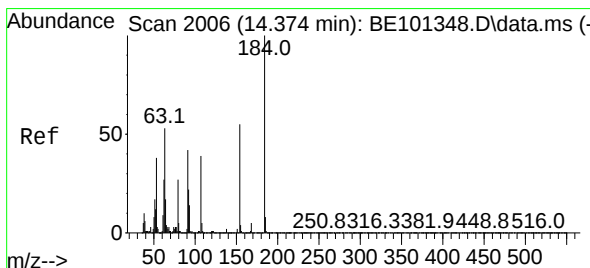
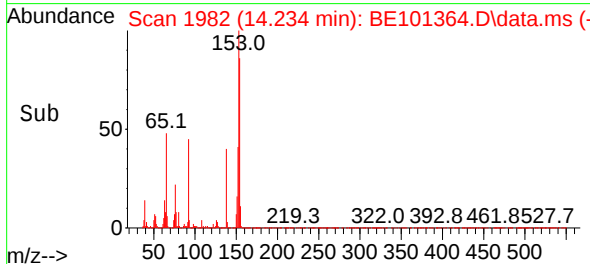
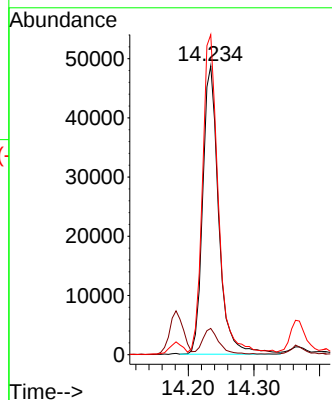
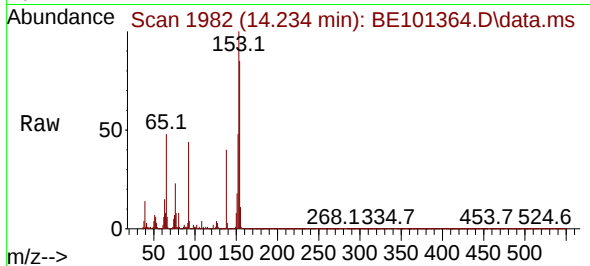




#53
3-Nitroaniline
Concen: 8.434 ng
RT: 14.234 min Scan# 1982
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

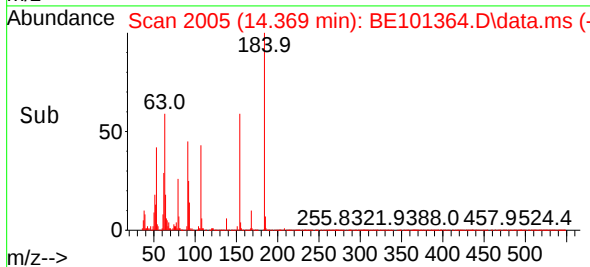
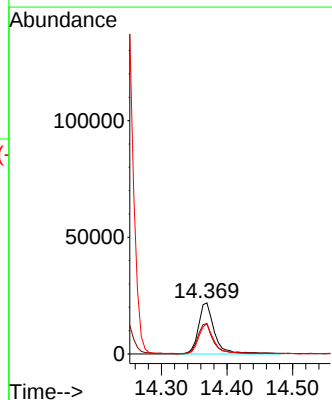
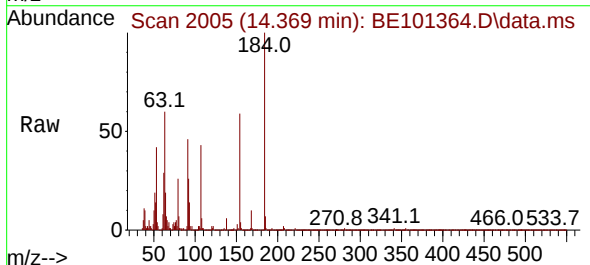
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

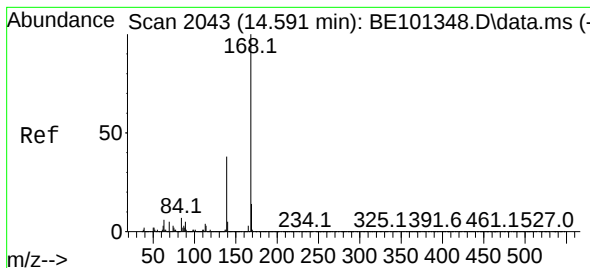
Tgt Ion:138 Resp: 82556
Ion Ratio Lower Upper
138 100
108 9.1 7.2 10.8
92 110.8 85.7 128.5



#54
2,4-Dinitrophenol
Concen: 6.554 ng
RT: 14.369 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:184 Resp: 37127
Ion Ratio Lower Upper
184 100
63 59.7 42.5 63.7
154 59.2 44.2 66.2





#55

Dibenzenofuran

Concen: 9.428 ng

RT: 14.587 min Scan# 2042

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

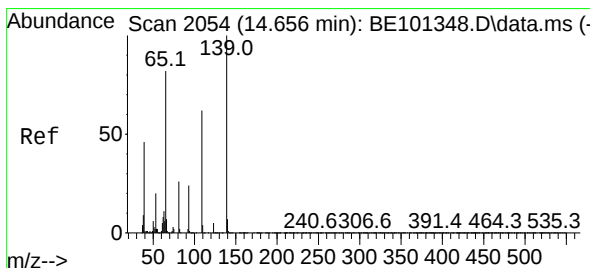
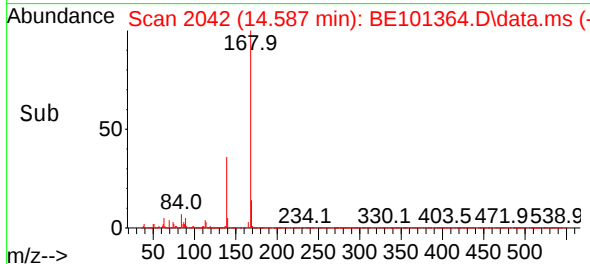
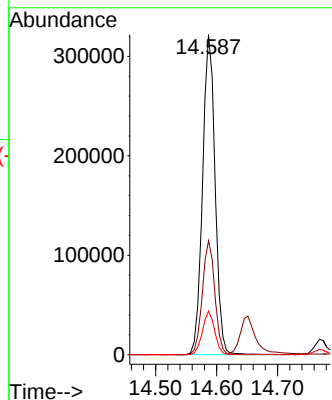
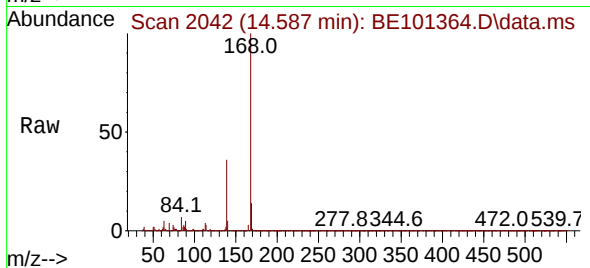
Tgt Ion:168 Resp: 460108

Ion Ratio Lower Upper

168 100

139 35.7 30.5 45.7

169 13.7 11.4 17.2



#56

4-Nitrophenol

Concen: 8.265 ng

RT: 14.651 min Scan# 2053

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

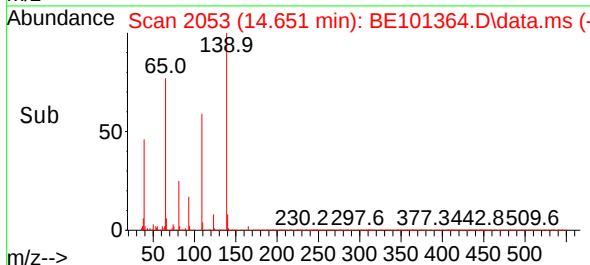
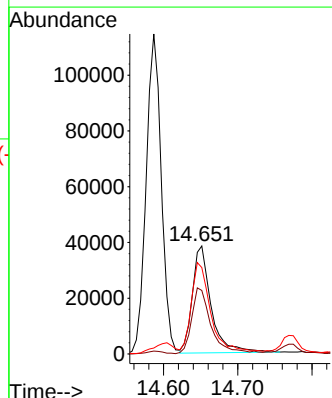
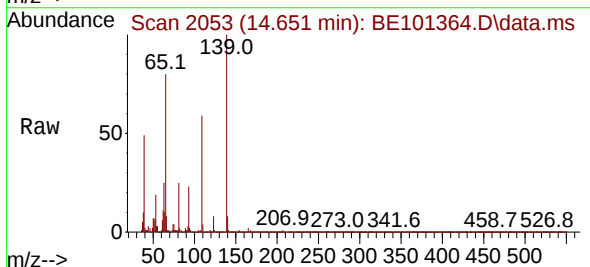
Tgt Ion:139 Resp: 67260

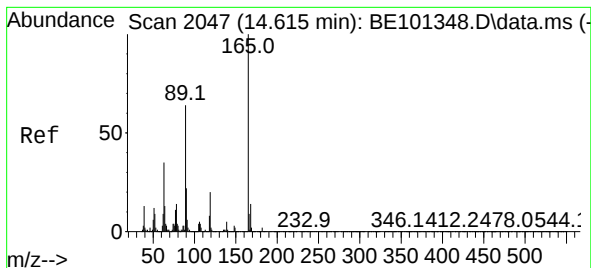
Ion Ratio Lower Upper

139 100

109 58.8 41.9 81.9

65 80.0 63.0 103.0





#57

2,4-Dinitrotoluene

Concen: 8.061 ng

RT: 14.604 min Scan# 2045

Delta R.T. -0.010 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:165 Resp: 104423

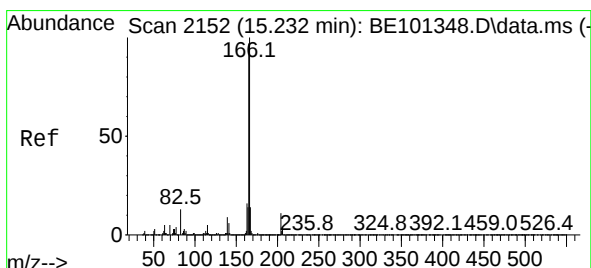
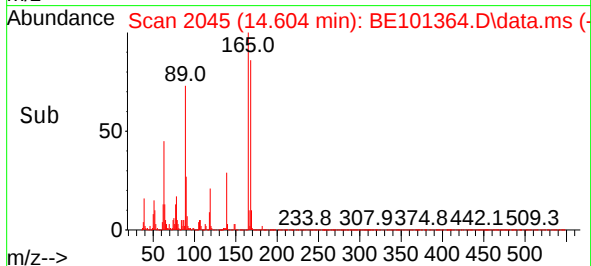
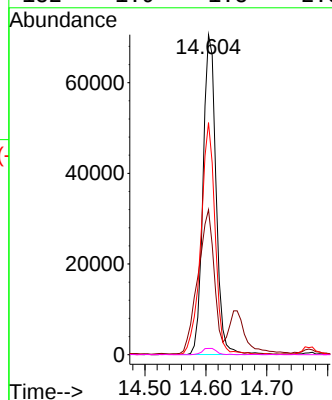
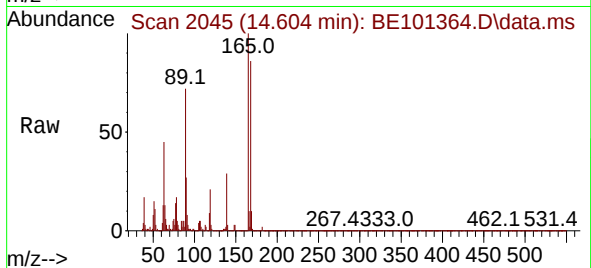
Ion Ratio Lower Upper

165 100

63 45.3 28.4 42.6#

89 72.5 51.0 76.4

182 1.9 1.8 2.8



#58

Fluorene

Concen: 9.030 ng

RT: 15.227 min Scan# 2151

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

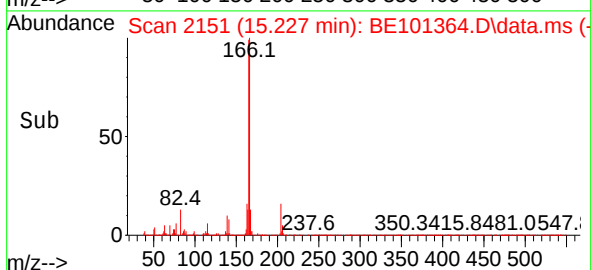
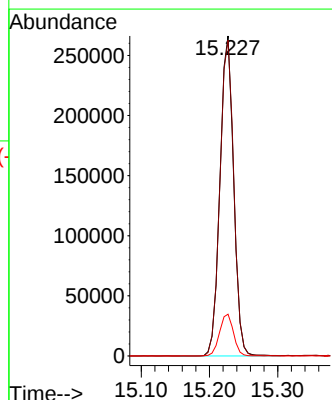
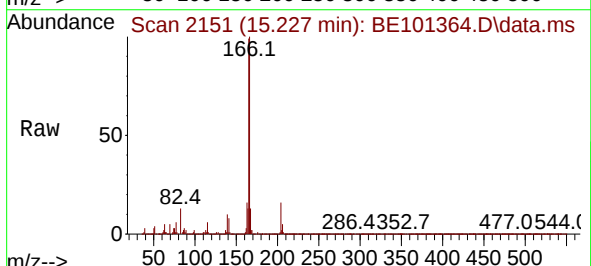
Tgt Ion:166 Resp: 371310

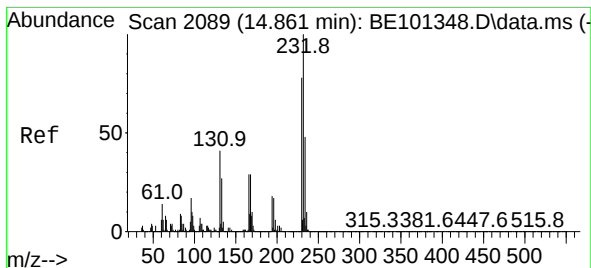
Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.8

167 13.1 11.0 16.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 8.782 ng

RT: 14.851 min Scan# 2089

Delta R.T. -0.010 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:232 Resp: 94210

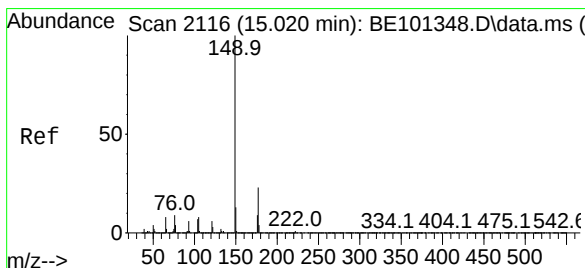
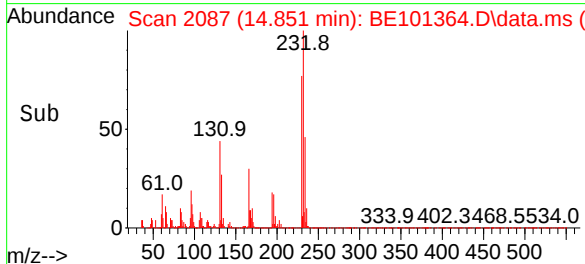
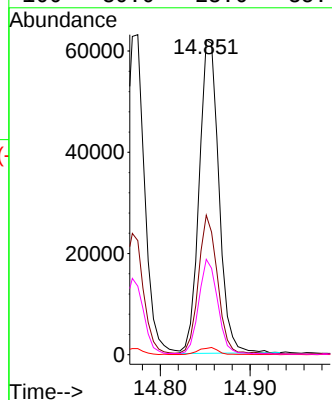
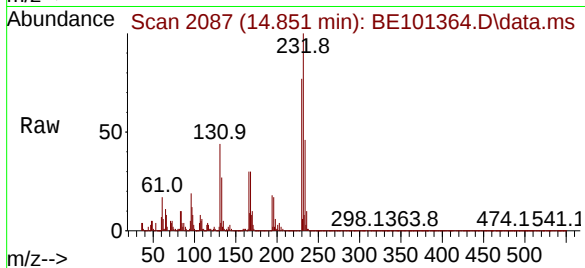
Ion Ratio Lower Upper

232 100

131 43.5 34.2 51.4

130 2.4 1.8 2.6

166 30.0 23.6 35.4



#60

Diethylphthalate

Concen: 9.176 ng

RT: 15.010 min Scan# 2114

Delta R.T. -0.010 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

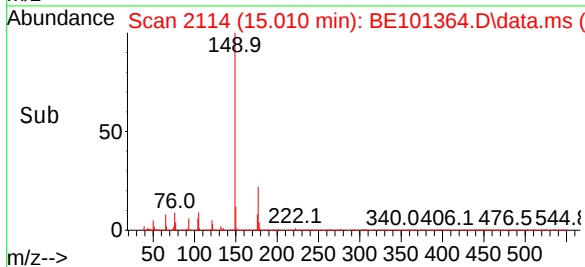
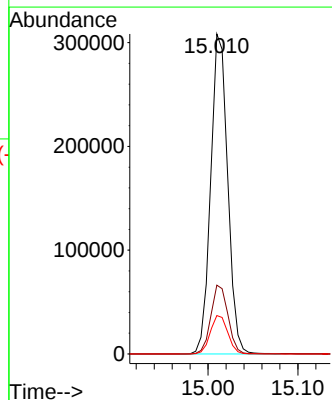
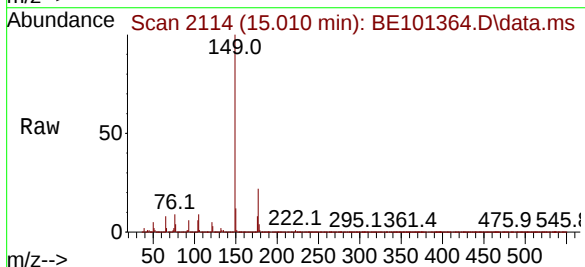
Tgt Ion:149 Resp: 404813

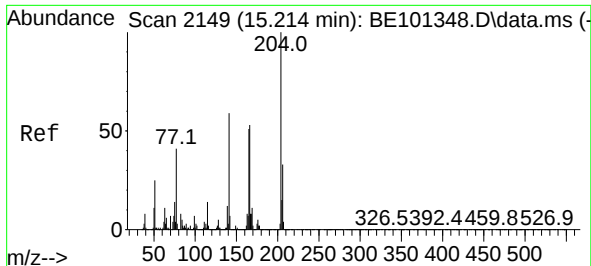
Ion Ratio Lower Upper

149 100

177 21.5 18.4 27.6

150 12.0 10.0 15.0

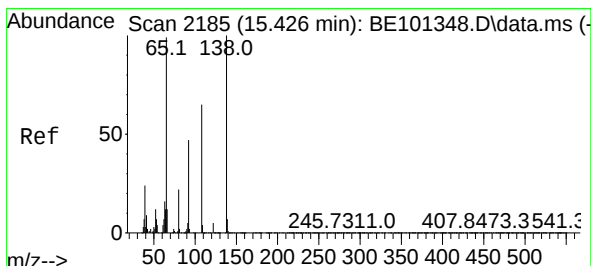
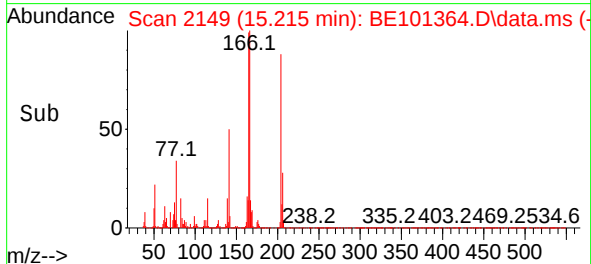
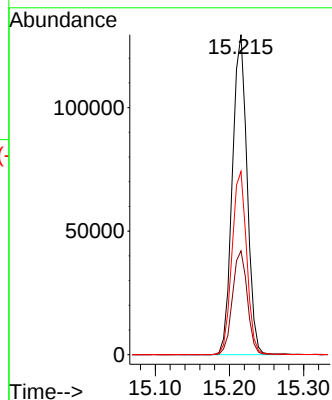
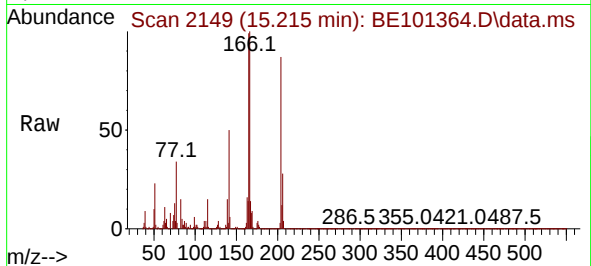




#61
4-Chlorophenyl-phenylether
Concen: 8.851 ng
RT: 15.215 min Scan# 2149
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

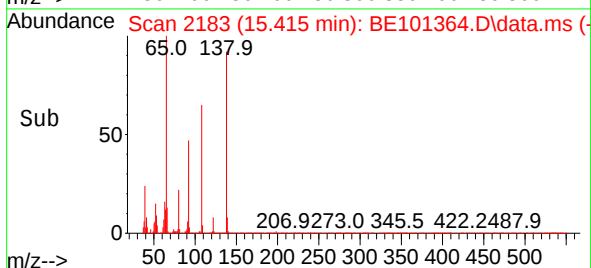
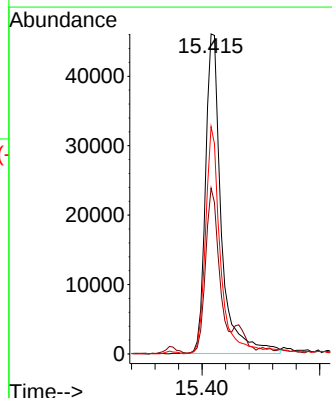
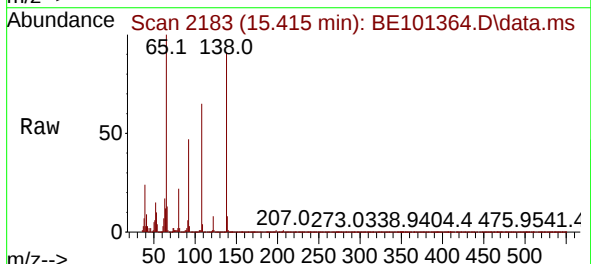
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

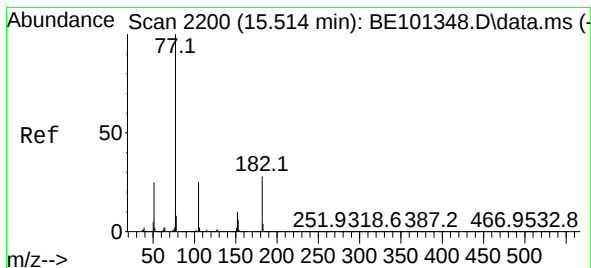
Tgt Ion:204 Resp: 178523
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.2
141 57.3 47.2 70.8



#62
4-Nitroaniline
Concen: 8.430 ng
RT: 15.415 min Scan# 2183
Delta R.T. -0.010 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:138 Resp: 86004
Ion Ratio Lower Upper
138 100
92 51.9 26.8 66.8
108 71.1 44.7 84.7





#63

Azobenzene

Concen: 9.341 ng

RT: 15.509 min Scan# 2199

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 77 Resp: 352168

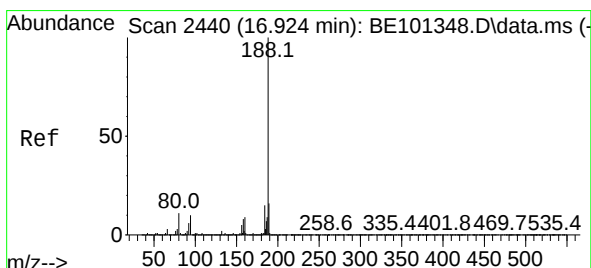
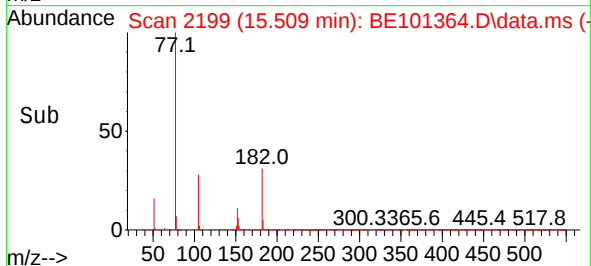
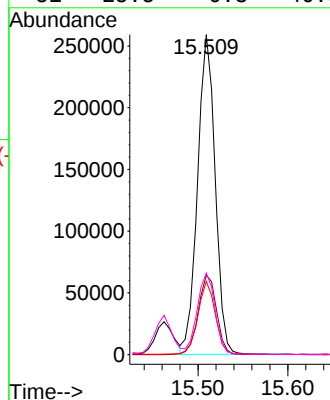
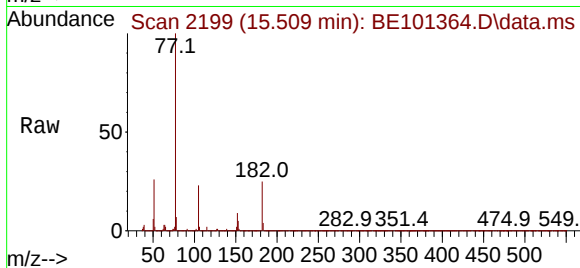
Ion Ratio Lower Upper

77 100

182 24.8 7.8 47.8

105 22.9 4.3 44.3

51 25.5 6.3 46.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.919 min Scan# 2439

Delta R.T. -0.005 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

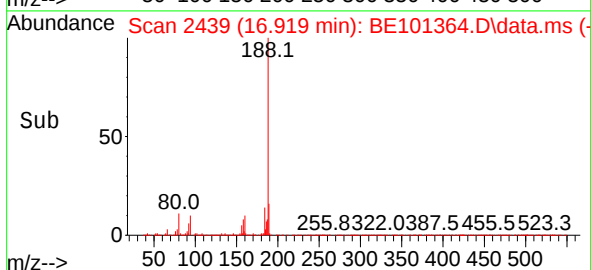
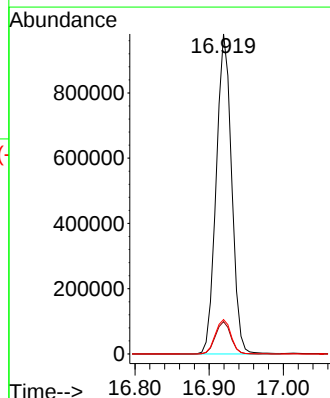
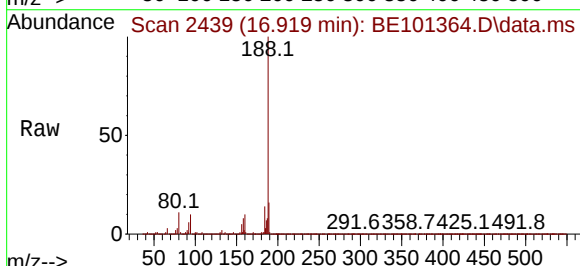
Tgt Ion: 188 Resp: 1414699

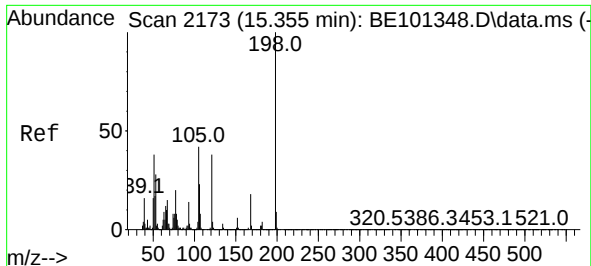
Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

80 10.8 8.6 13.0





#65

4,6-Dinitro-2-methylphenol

Concen: 6.888 ng

RT: 15.351 min Scan# 2173

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

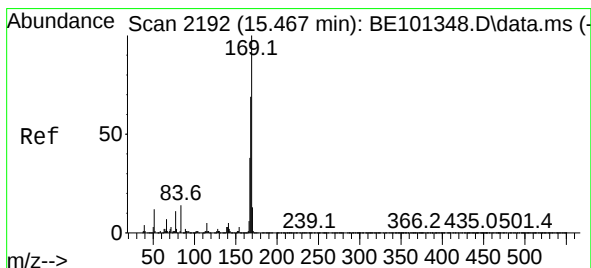
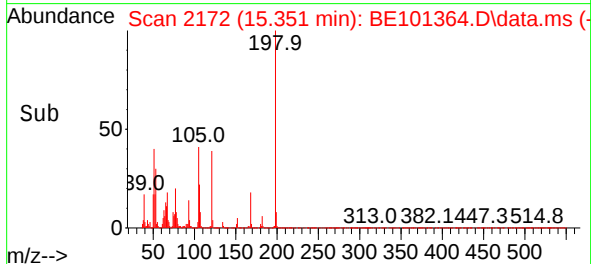
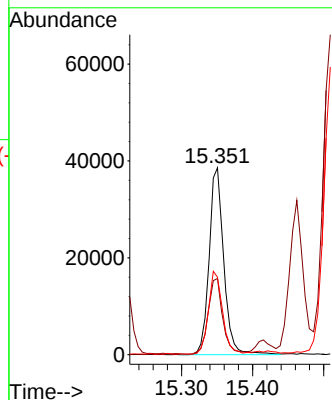
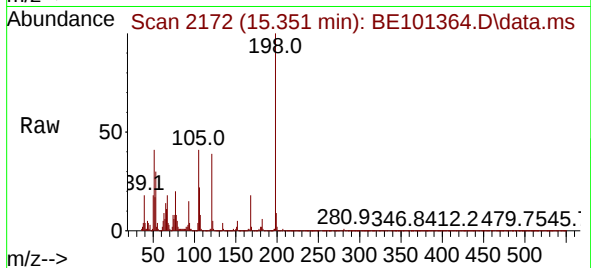
Tgt Ion:198 Resp: 55336

Ion Ratio Lower Upper

198 100

51 40.8 18.1 58.1

105 41.5 22.0 62.0



#66

n-Nitrosodiphenylamine

Concen: 8.959 ng

RT: 15.462 min Scan# 2191

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

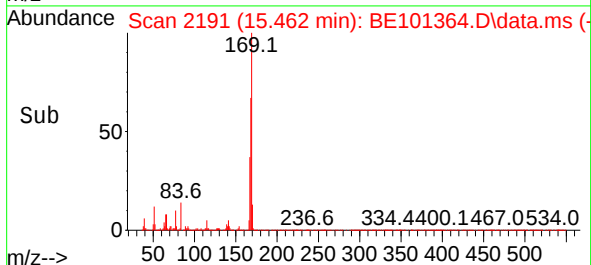
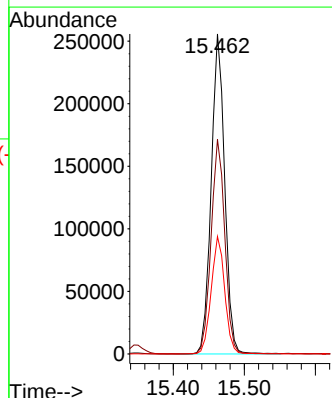
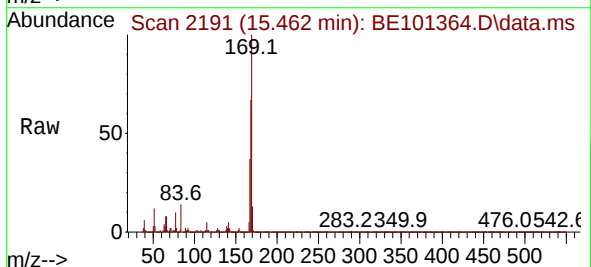
Tgt Ion:169 Resp: 337843

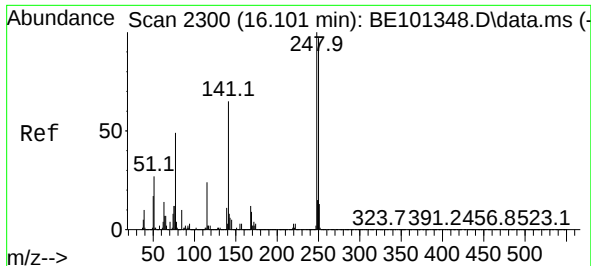
Ion Ratio Lower Upper

169 100

168 67.1 55.1 82.7

167 36.7 30.5 45.7





#67

4-Bromophenyl-phenylether

Concen: 8.381 ng

RT: 16.103 min Scan# 2300

Delta R.T. 0.001 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

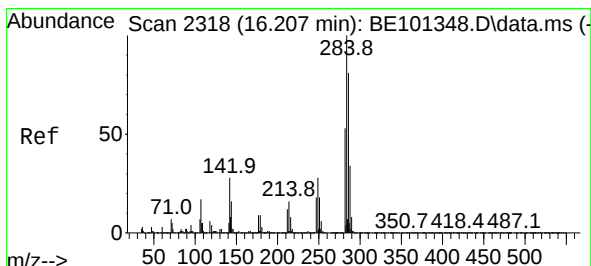
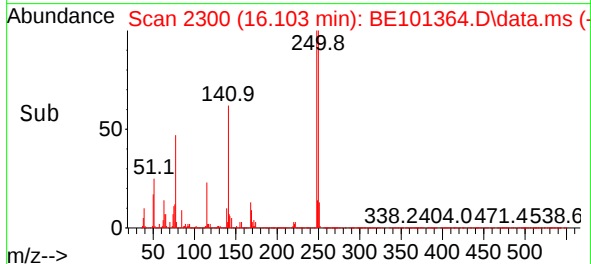
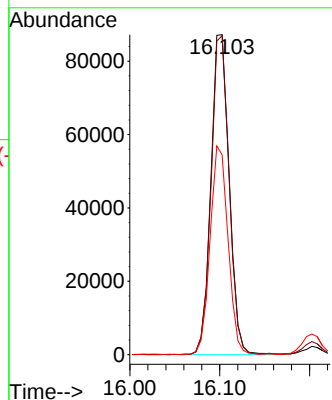
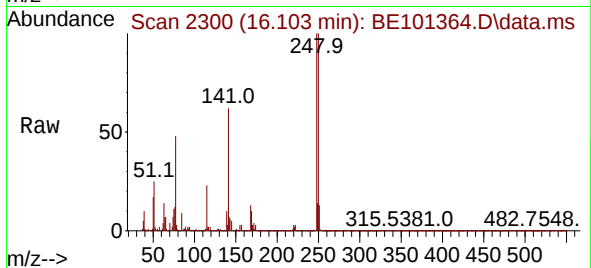
Tgt Ion:248 Resp: 123176

Ion Ratio Lower Upper

248 100

250 99.7 77.7 116.5

141 62.4 51.8 77.8



#68

Hexachlorobenzene

Concen: 8.277 ng

RT: 16.202 min Scan# 2317

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

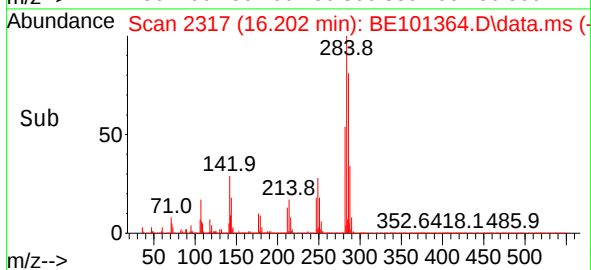
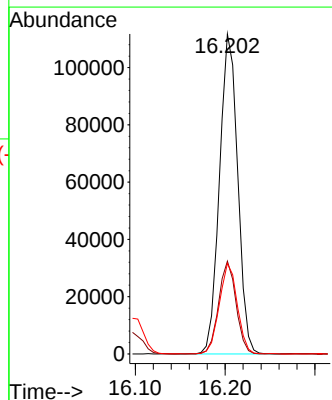
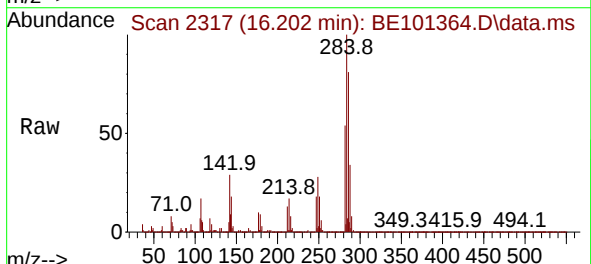
Tgt Ion:284 Resp: 157210

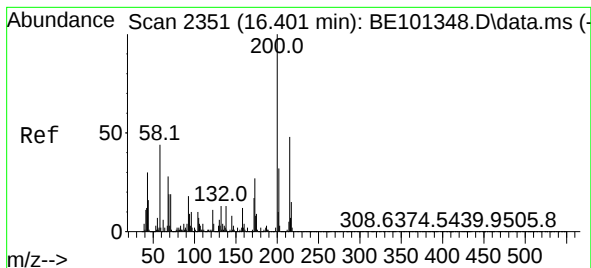
Ion Ratio Lower Upper

284 100

142 29.0 22.1 33.1

249 28.3 22.7 34.1





#69

Atrazine

Concen: 10.416 ng

RT: 16.396 min Scan# 2350

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

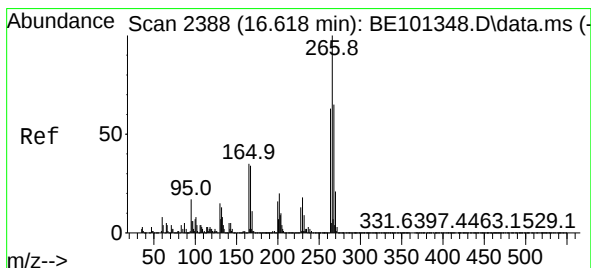
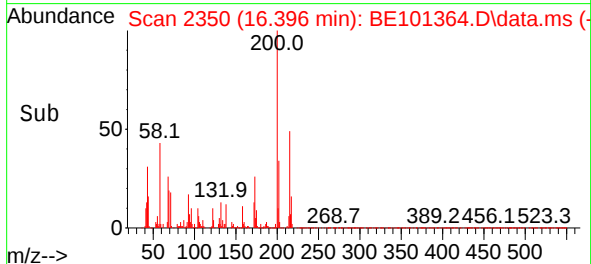
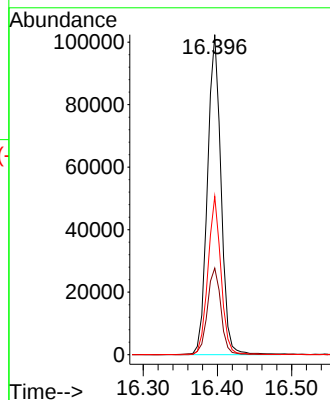
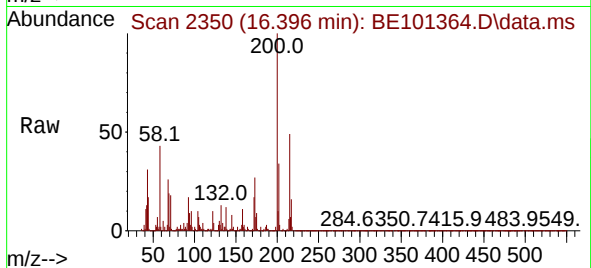
Tgt Ion:200 Resp: 129706

Ion Ratio Lower Upper

200 100

173 27.1 6.9 46.9

215 49.5 27.8 67.8



#70

Pentachlorophenol

Concen: 7.478 ng

RT: 16.614 min Scan# 2387

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

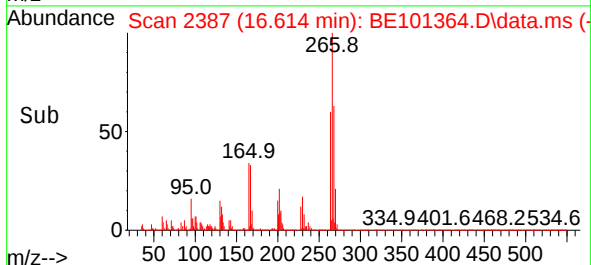
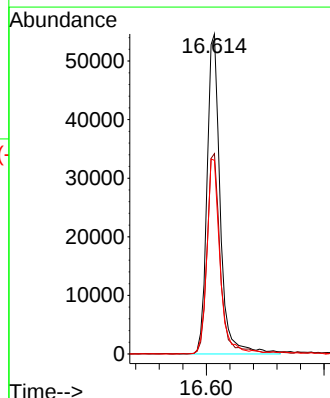
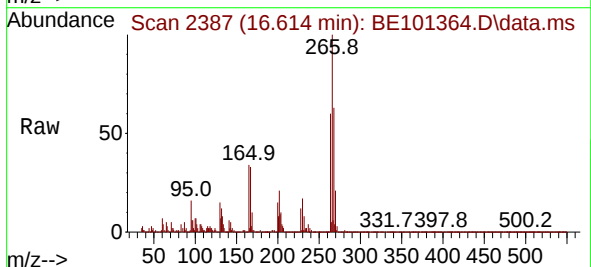
Tgt Ion:266 Resp: 84867

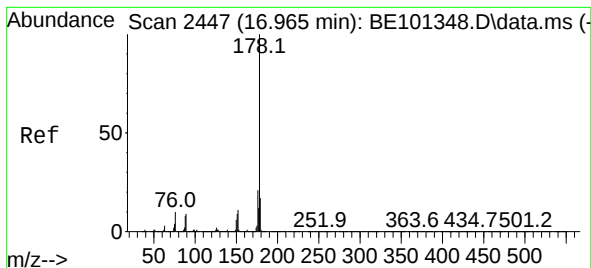
Ion Ratio Lower Upper

266 100

268 62.6 52.2 78.4

264 60.5 50.5 75.7





#71

Phenanthrene

Concen: 9.594 ng

RT: 16.960 min Scan# 2447

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

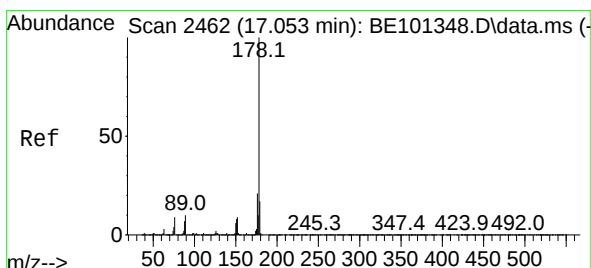
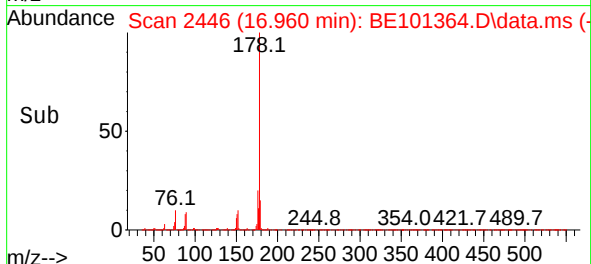
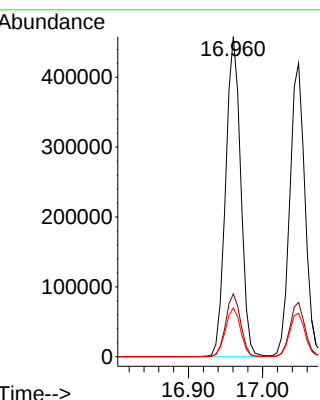
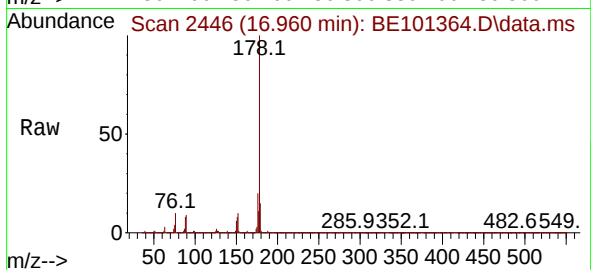
Tgt Ion:178 Resp: 644613

Ion Ratio Lower Upper

178 100

176 19.6 16.8 25.2

179 15.2 13.3 19.9



#72

Anthracene

Concen: 9.211 ng

RT: 17.049 min Scan# 2461

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

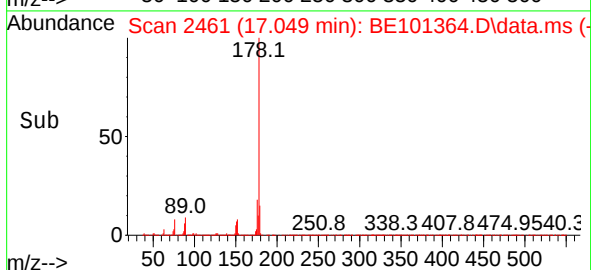
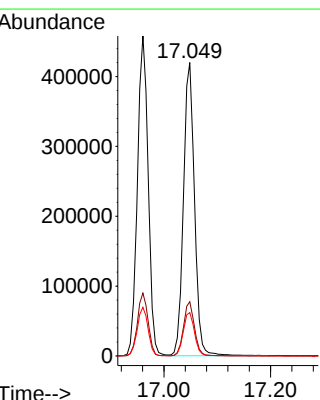
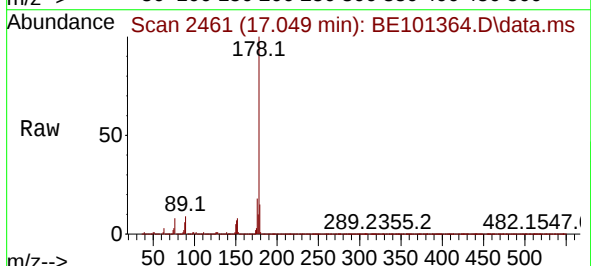
Tgt Ion:178 Resp: 602246

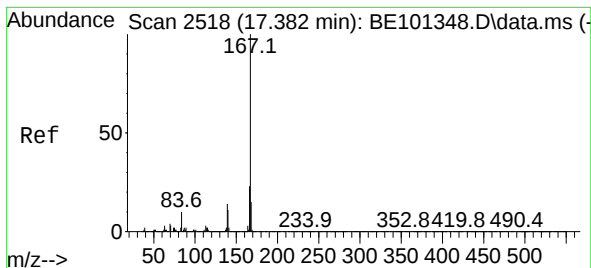
Ion Ratio Lower Upper

178 100

176 18.5 16.4 24.6

179 14.8 13.4 20.0





#73

Carbazole

Concen: 9.396 ng

RT: 17.378 min Scan# 2517

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

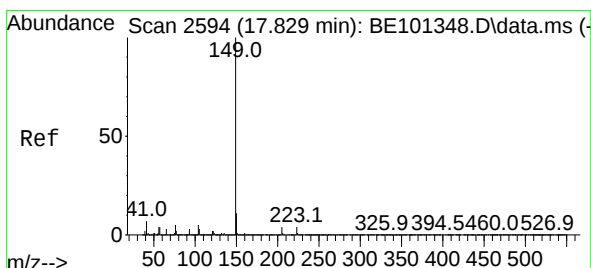
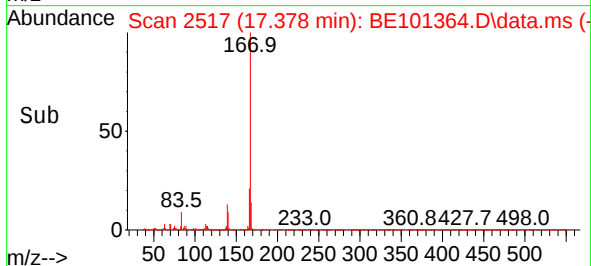
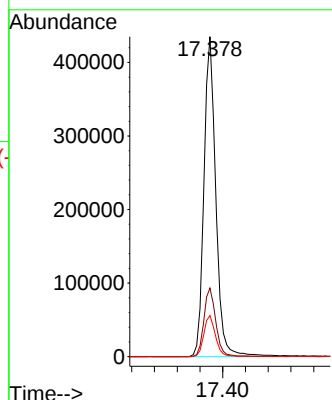
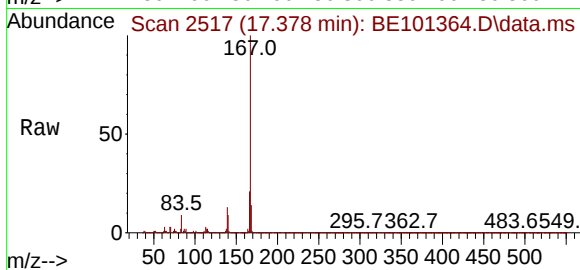
Tgt Ion:167 Resp: 629562

Ion Ratio Lower Upper

167 100

166 21.5 18.4 27.6

139 12.8 11.1 16.7



#74

Di-n-butylphthalate

Concen: 9.909 ng

RT: 17.830 min Scan# 2594

Delta R.T. 0.001 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

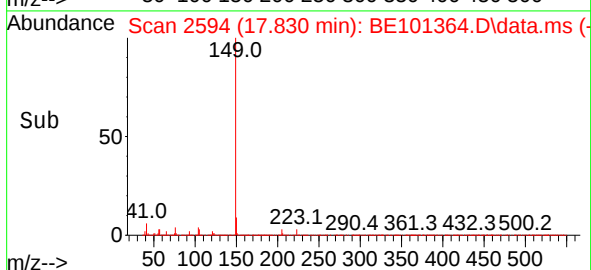
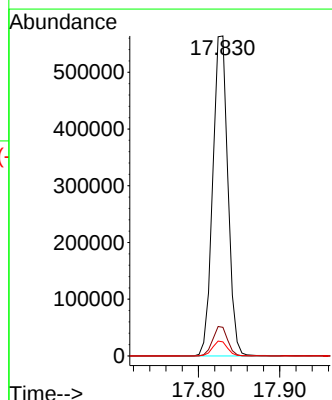
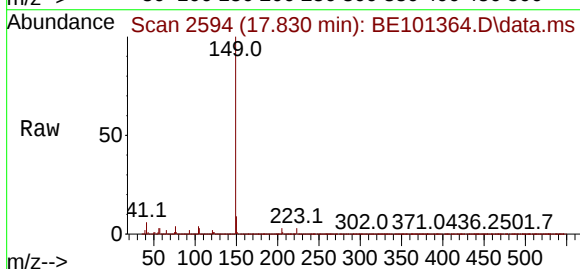
Tgt Ion:149 Resp: 728994

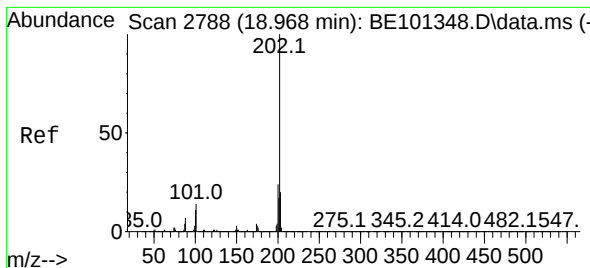
Ion Ratio Lower Upper

149 100

150 9.0 9.0 13.6#

104 4.4 4.4 6.6





#75

Fluoranthene

Concen: 9.835 ng

RT: 18.964 min Scan# 21

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

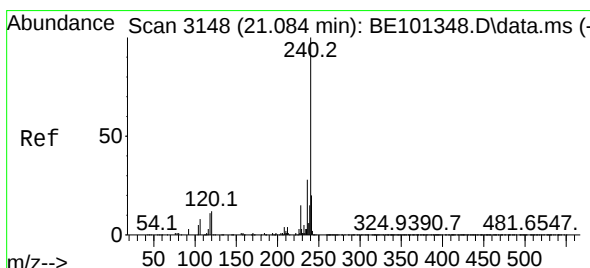
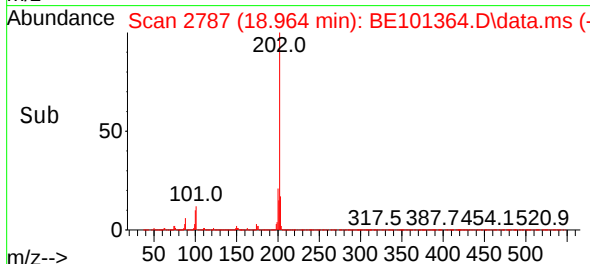
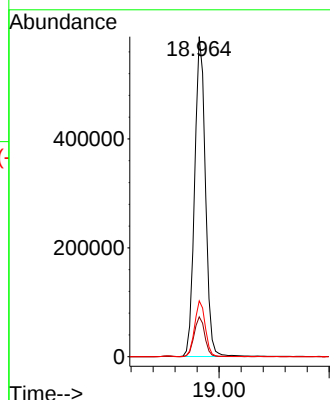
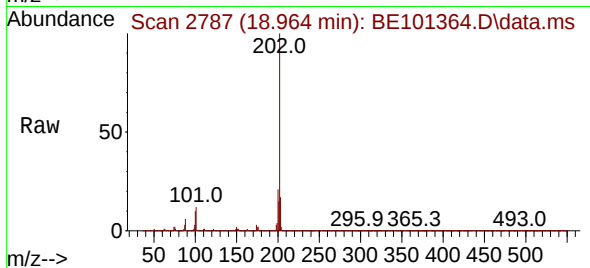
Tgt Ion:202 Resp: 795482

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.2

203 17.5 0.4 40.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.079 min Scan# 3147

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

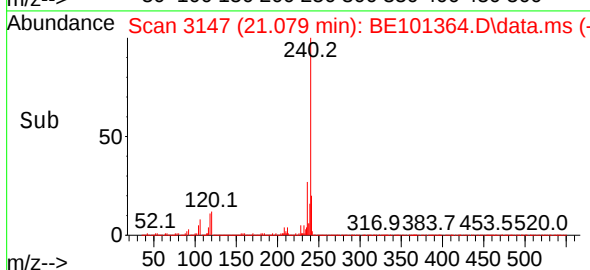
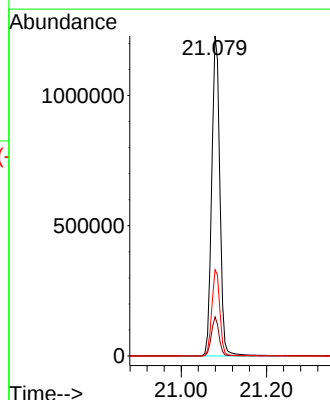
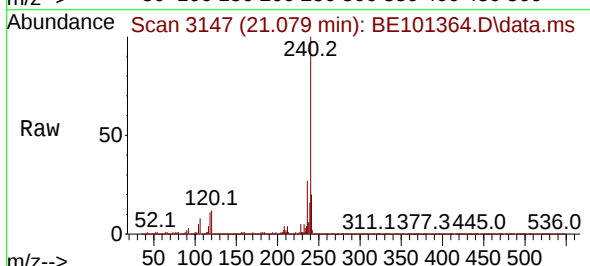
Tgt Ion:240 Resp: 1627361

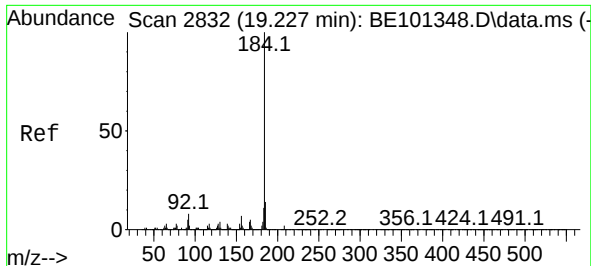
Ion Ratio Lower Upper

240 100

120 12.2 9.8 14.8

236 27.0 22.1 33.1

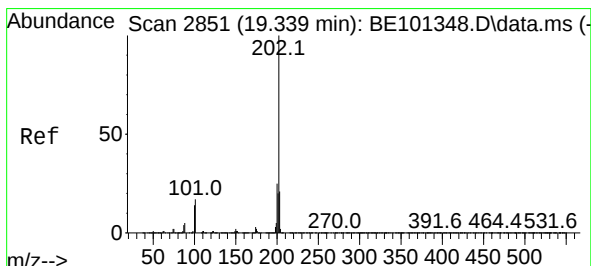
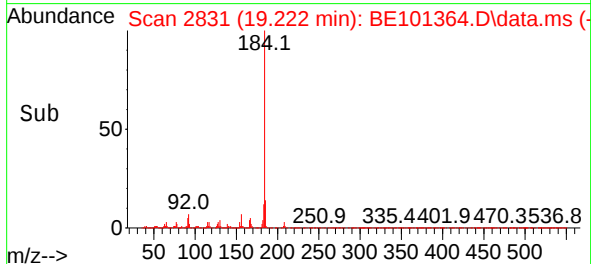
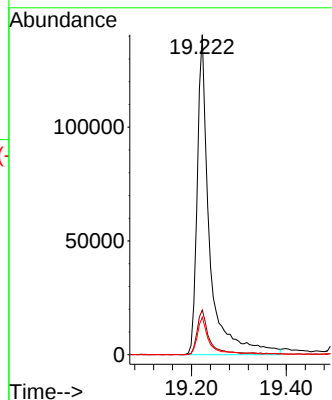
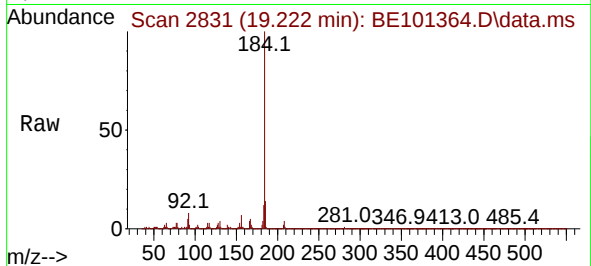




#77
Benzidine
Concen: 9.458 ng
RT: 19.222 min Scan# 2831
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

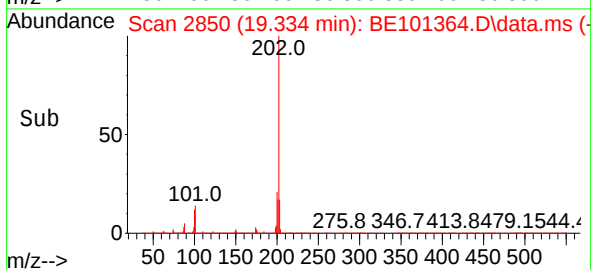
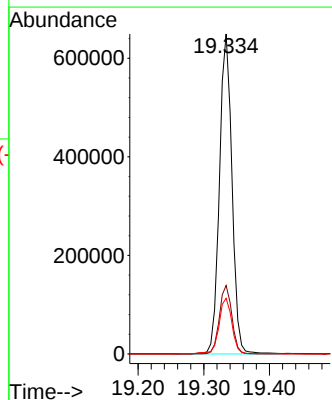
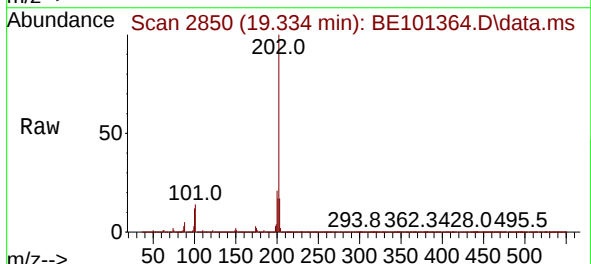
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

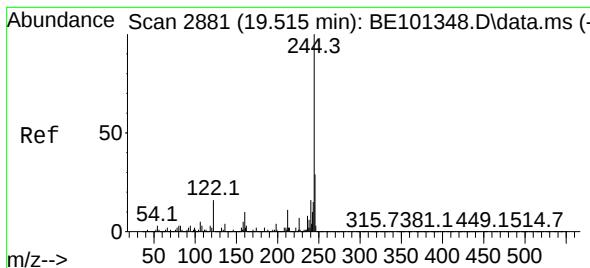
Tgt Ion:184 Resp: 255448
Ion Ratio Lower Upper
184 100
185 14.0 11.4 17.2
183 11.7 9.1 13.7



#78
Pyrene
Concen: 9.439 ng
RT: 19.334 min Scan# 2850
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:202 Resp: 854332
Ion Ratio Lower Upper
202 100
200 21.4 20.2 30.2
203 17.4 16.6 25.0





#79

Terphenyl-d14

Concen: 67.780 ng

RT: 19.516 min Scan# 2881

Delta R.T. 0.001 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

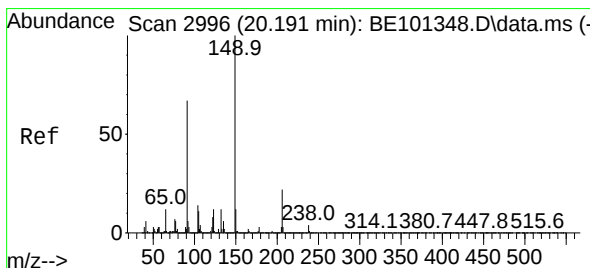
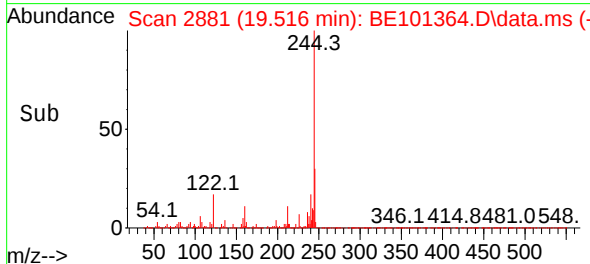
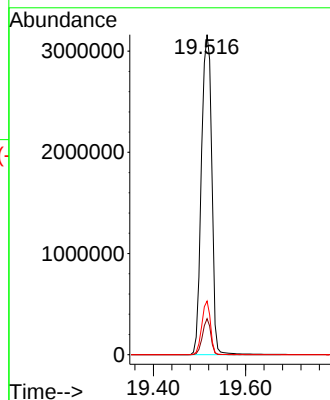
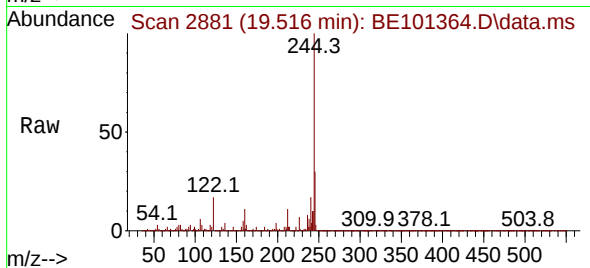
Tgt Ion:244 Resp: 4974598

Ion Ratio Lower Upper

244 100

212 11.3 8.5 12.7

122 16.7 13.1 19.7



#80

Butylbenzylphthalate

Concen: 9.068 ng

RT: 20.186 min Scan# 2995

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

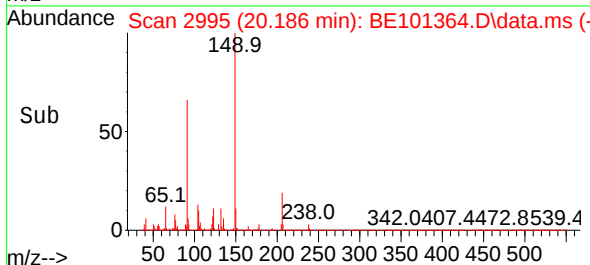
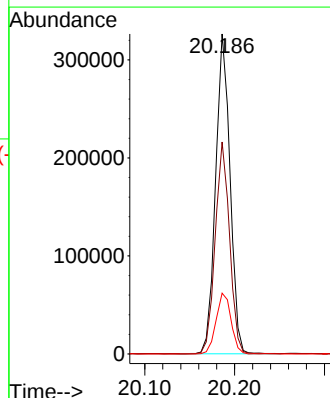
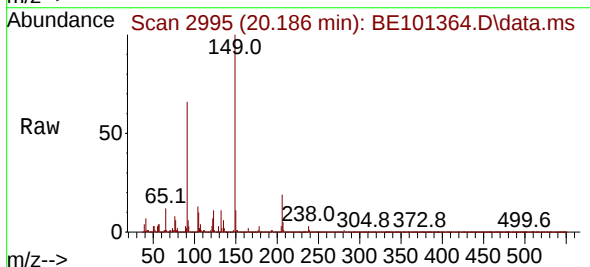
Tgt Ion:149 Resp: 363296

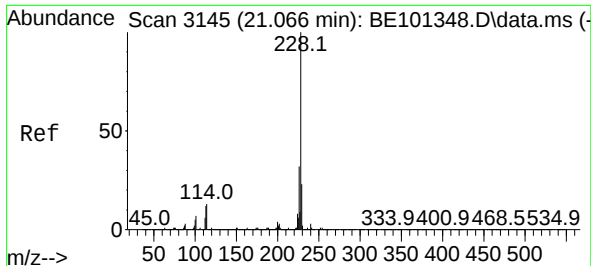
Ion Ratio Lower Upper

149 100

91 66.3 53.4 80.2

206 19.0 17.4 26.0

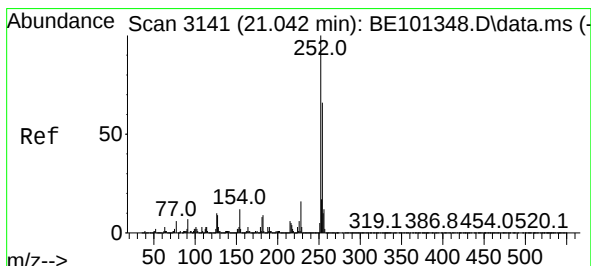
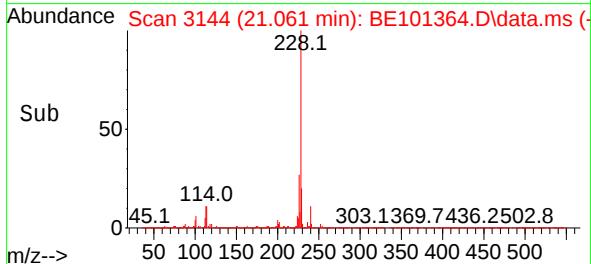
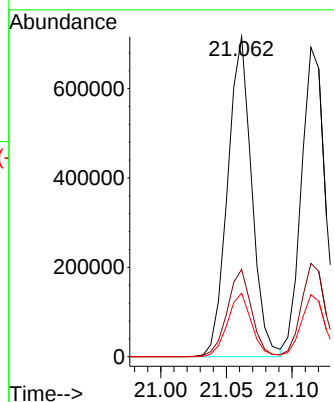
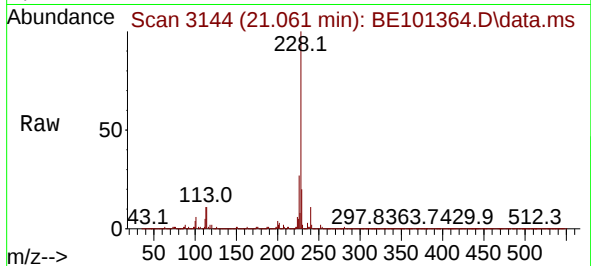




#81
Benzo(a)anthracene
Concen: 10.005 ng
RT: 21.061 min Scan# 3144
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

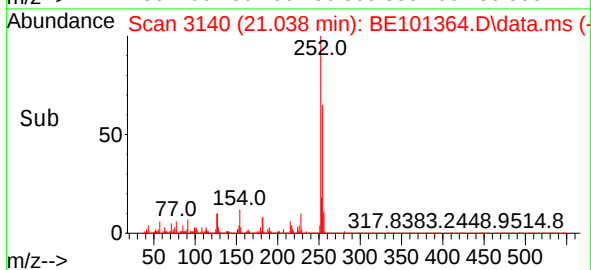
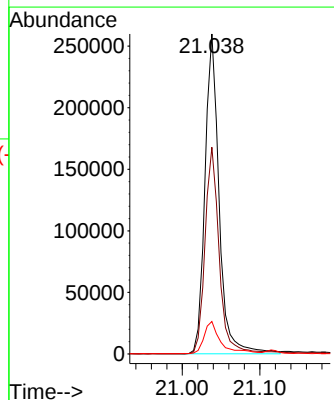
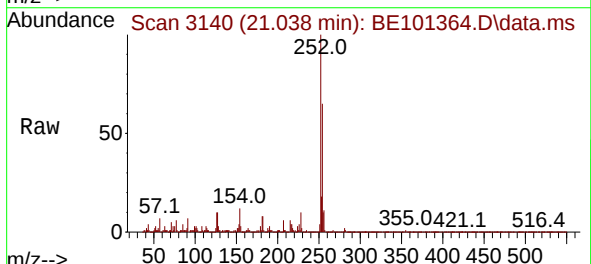
Instrument : BNA_E
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

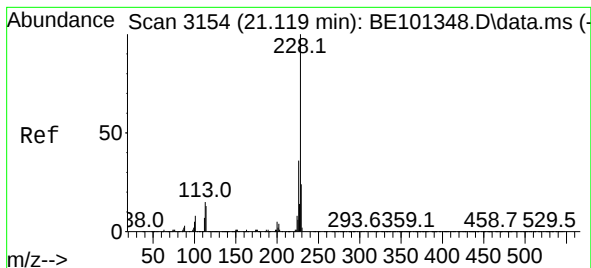
Tgt Ion:228 Resp: 914317
Ion Ratio Lower Upper
228 100
226 27.3 25.7 38.5
229 19.9 18.6 28.0



#82
3,3'-Dichlorobenzidine
Concen: 9.179 ng
RT: 21.038 min Scan# 3140
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:252 Resp: 328689
Ion Ratio Lower Upper
252 100
254 64.6 52.5 78.7
126 10.1 8.0 12.0





#83

Chrysene

Concen: 10.124 ng

RT: 21.114 min Scan# 3153

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

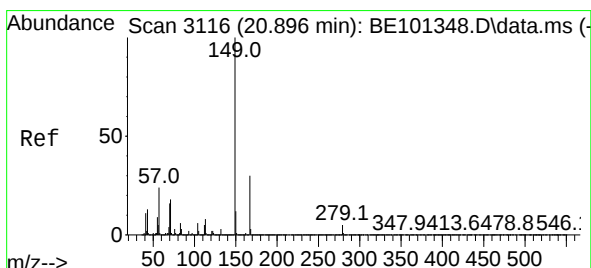
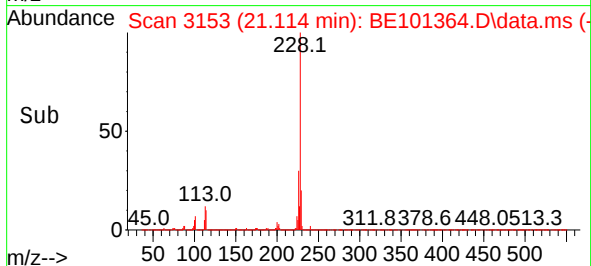
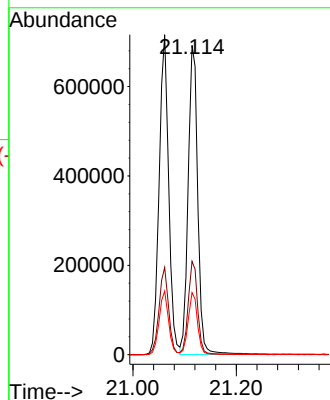
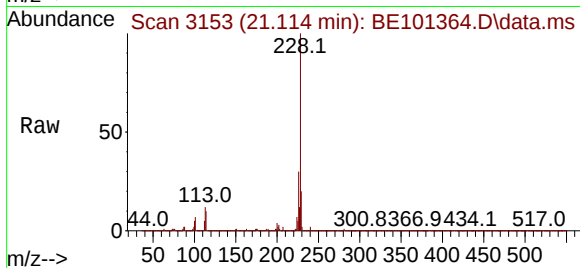
Tgt Ion:228 Resp: 888761

Ion Ratio Lower Upper

228 100

226 30.1 28.4 42.6

229 20.1 19.0 28.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.279 ng

RT: 20.891 min Scan# 3115

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

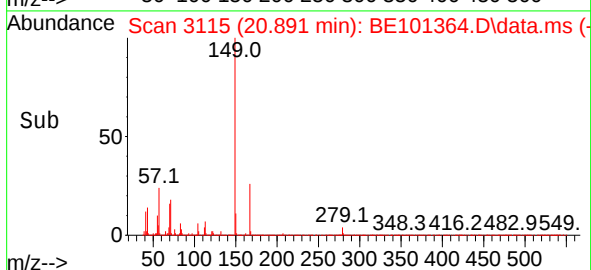
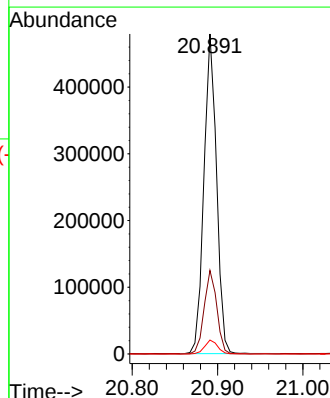
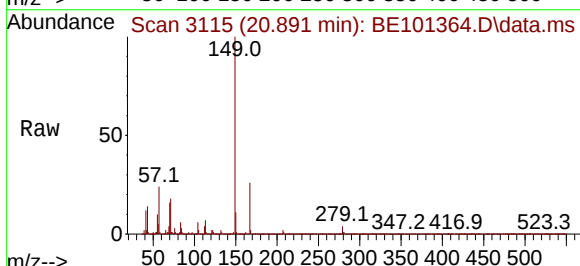
Tgt Ion:149 Resp: 491662

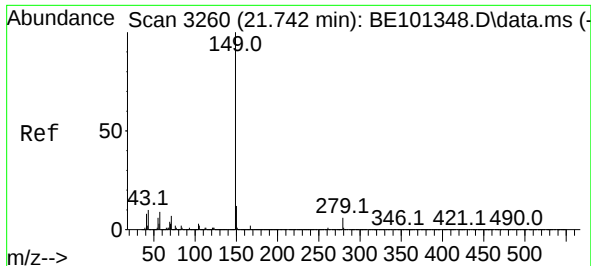
Ion Ratio Lower Upper

149 100

167 26.1 23.9 35.9

279 4.3 4.2 6.4

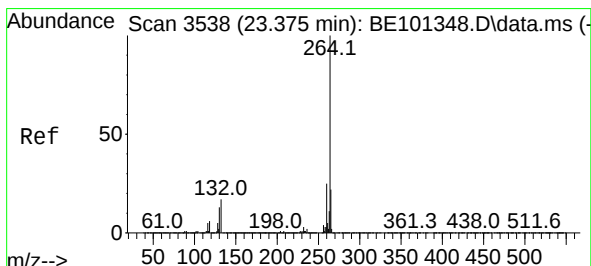
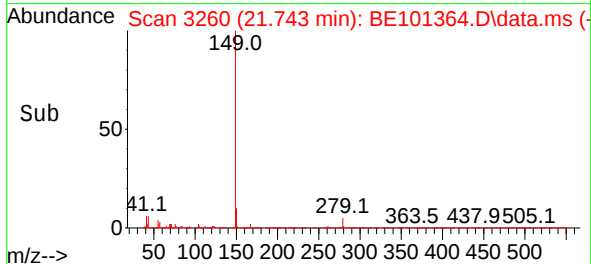
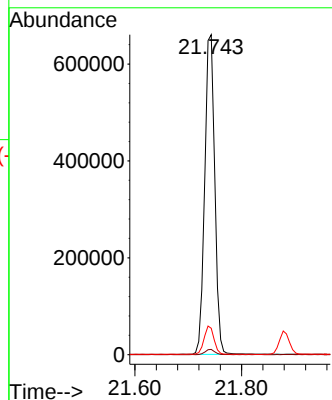
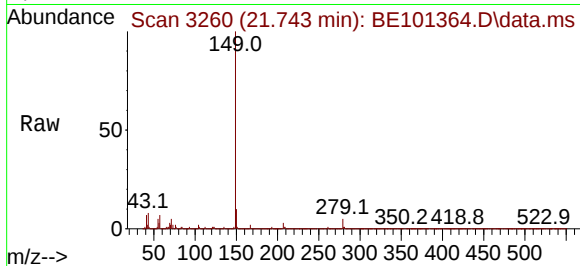




#85
Di-n-octyl phthalate
Concen: 9.940 ng
RT: 21.743 min Scan# 31
Delta R.T. 0.001 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

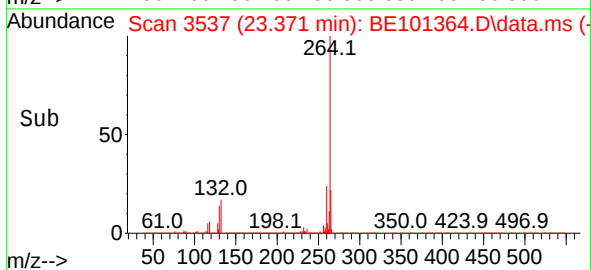
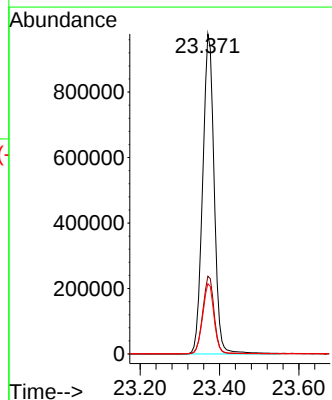
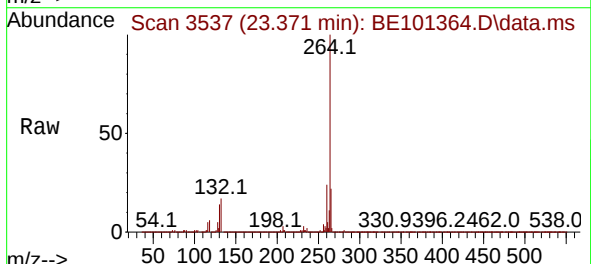
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

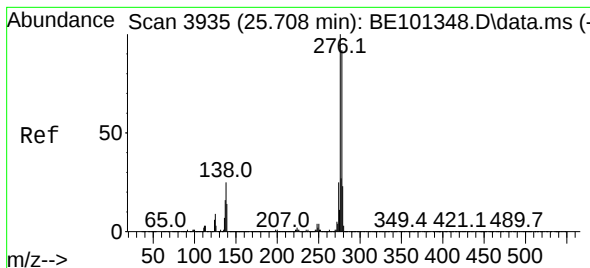
Tgt Ion:149 Resp: 859747
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.2
43 8.9 7.4 11.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.371 min Scan# 3537
Delta R.T. -0.004 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:264 Resp: 1968599
Ion Ratio Lower Upper
264 100
260 24.3 19.8 29.6
265 22.0 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.666 ng

RT: 25.680 min Scan# 3935

Delta R.T. -0.028 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

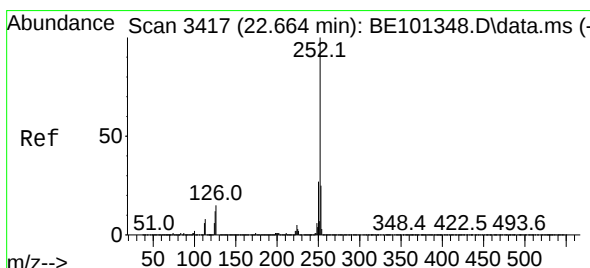
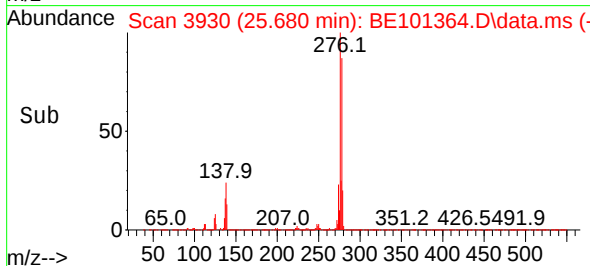
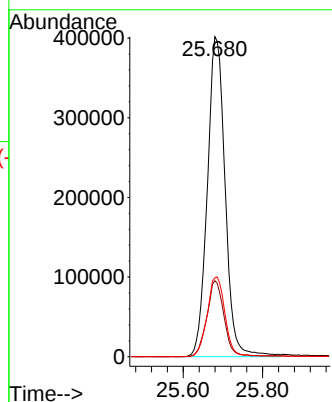
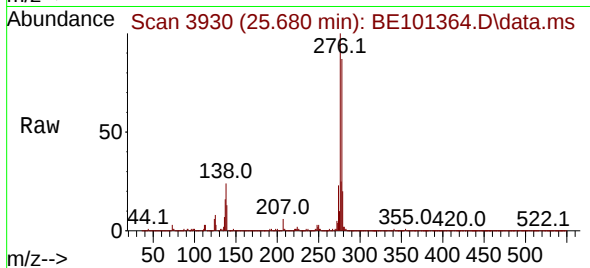
Tgt Ion:276 Resp: 1253701

Ion Ratio Lower Upper

276 100

138 22.8 19.2 28.8

277 25.1 20.8 31.2



#88

Benzo(b)fluoranthene

Concen: 9.871 ng

RT: 22.660 min Scan# 3416

Delta R.T. -0.004 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

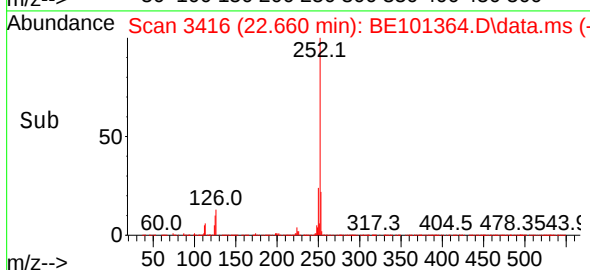
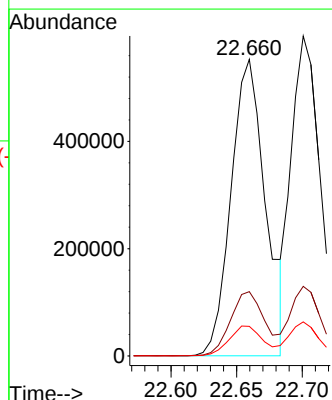
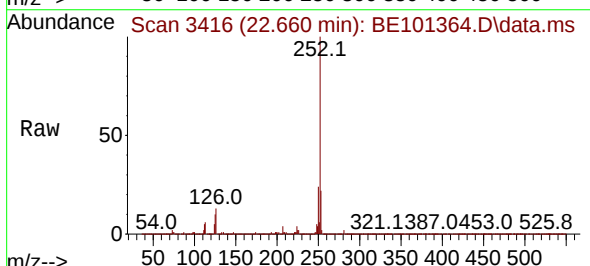
Tgt Ion:252 Resp: 1006443

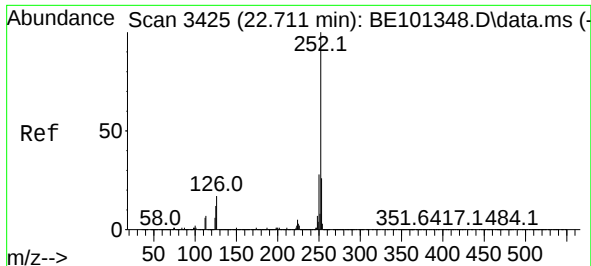
Ion Ratio Lower Upper

252 100

253 21.7 20.2 30.2

125 10.0 9.4 14.0

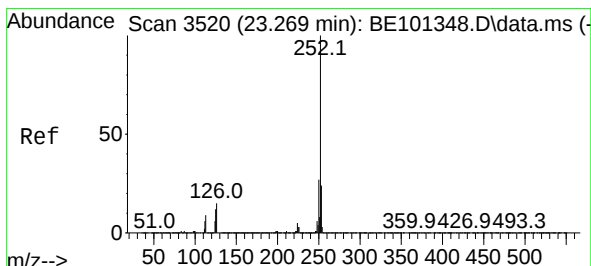
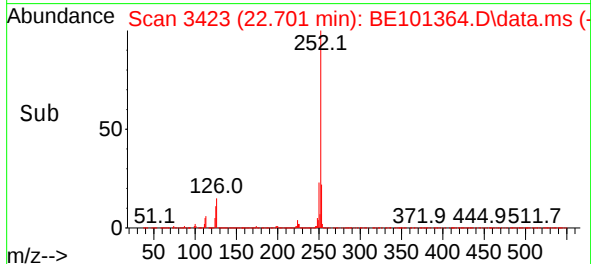
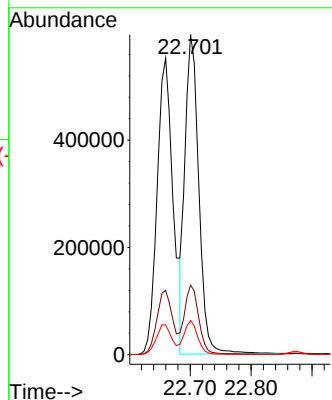
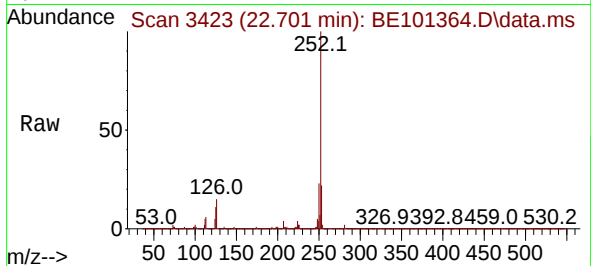




#89
Benzo(k)fluoranthene
Concen: 9.745 ng
RT: 22.701 min Scan# 34
Delta R.T. -0.010 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

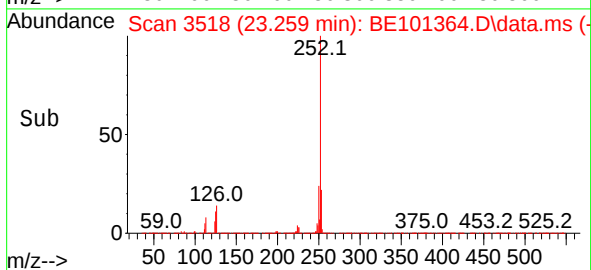
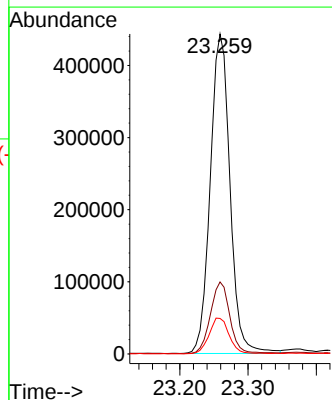
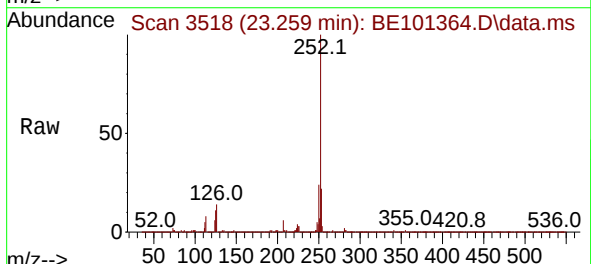
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

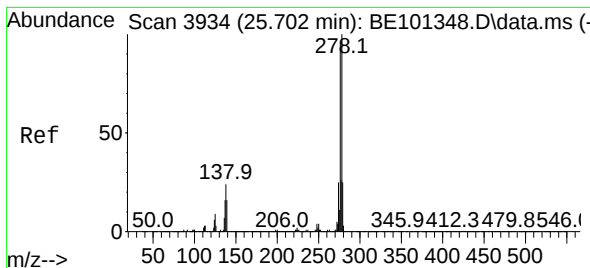
Tgt Ion:252 Resp: 937786
Ion Ratio Lower Upper
252 100
253 21.7 20.2 30.4
125 10.6 9.4 14.0



#90
Benzo(a)pyrene
Concen: 9.917 ng
RT: 23.259 min Scan# 3518
Delta R.T. -0.010 min
Lab File: BE101364.D
Acq: 18 Sep 2024 15:26

Tgt Ion:252 Resp: 892377
Ion Ratio Lower Upper
252 100
253 22.5 19.0 28.6
125 11.1 9.6 14.4





#91

Dibenzo(a,h)anthracene

Concen: 9.619 ng

RT: 25.680 min Scan# 3934

Delta R.T. -0.022 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

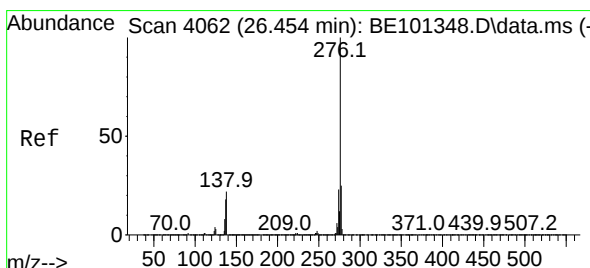
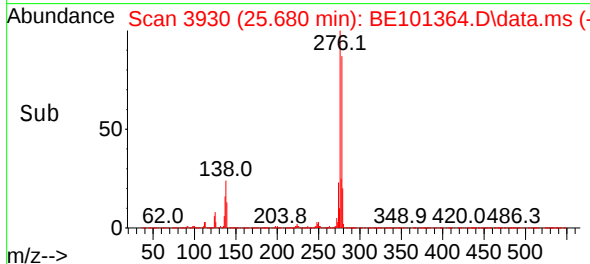
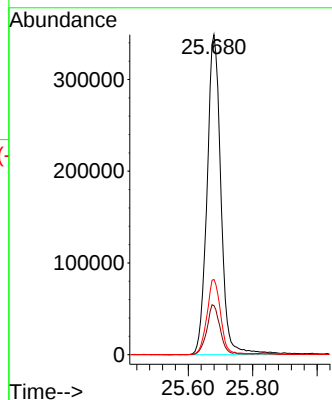
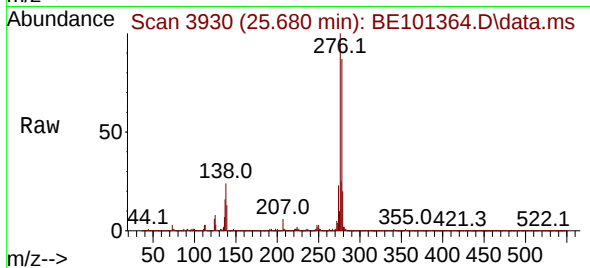
Tgt Ion:278 Resp: 1044529

Ion Ratio Lower Upper

278 100

139 15.4 12.4 18.6

279 23.5 19.8 29.8



#92

Benzo(g,h,i)perylene

Concen: 8.824 ng

RT: 26.432 min Scan# 4058

Delta R.T. -0.022 min

Lab File: BE101364.D

Acq: 18 Sep 2024 15:26

Tgt Ion:276 Resp: 972918

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.8

138 19.7 17.4 26.0

