

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092523\
 Data File : BG059182.D
 Acq On : 25 Sep 2023 13:47
 Operator : MA/JU
 Sample : 04429-01DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBKJ4DL

Quant Time: Sep 25 22:37:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 25 22:33:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.317	152	23114	20.000	ng/ul	# 0.01
20) Naphthalene-d8	11.161	136	110818	20.000	ng/ul	# 0.01
38) Acenaphthene-d10	14.939	164	69362	20.000	ng/ul	# 0.00
64) Phenanthrene-d10	17.694	188	147566	20.000	ng/ul	0.01
79) Chrysene-d12	22.019	240	127314	20.000	ng/ul	0.01
88) Perylene-d12	25.585	264	85059	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.623	96	1940	3.285	ng/uL	0.00
4) Pyridine-d5	4.063	84	19968	11.526	ng/ul	0.00
7) Phenol-d5	7.442	99	25636	11.280	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.630	67	56318	40.379	ng/ul	0.00
11) 2-Chlorophenol-d4	7.835	132	55242	32.937	ng/ul	0.01
15) 4-Methylphenol-d8	9.011	113	39709	21.938	ng/ul	0.01
21) Nitrobenzene-d5	9.516	128	33592	39.283	ng/ul	0.01
24) 2-Nitrophenol-d4	10.233	143	36354	42.084	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.773	165	68204	41.588	ng/ul	0.02
31) 4-Chloroaniline-d4	11.308	131	37779	14.759	ng/ul	0.01
46) Dimethylphthalate-d6	14.340	166	208729	39.128	ng/ul	0.01
49) Acenaphthylene-d8	14.645	160	257832	39.695	ng/ul	0.01
54) 4-Nitrophenol-d4	15.121	143	313	0.322	ng/ul	0.00
60) Fluorene-d10	15.932	176	195259	39.988	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	16.038	200	44195	52.679	ng/ul	0.00
73) Anthracene-d10	17.794	188	282900	42.134	ng/ul	0.01
81) Pyrene-d10	20.068	212	344760	46.330	ng/ul	0.01
92) Benzo(a)pyrene-d12	25.333	264	297770	71.694	ng/ul	0.02
Target Compounds						
					Qvalue	
5) Pyridine	4.093	79	2523	1.429	ng/ul#	1
12) 2-Chlorophenol	7.871	128	5096	2.978	ng/ul#	82
13) 2-Methylphenol	8.752	108	36793	21.223	ng/ul	81
16) Acetophenone	9.152	105	6244	2.241	ng/ul#	64
18) 4-Methylphenol	9.081	108	26251	14.130	ng/ul	86
19) Hexachloroethane	9.398	117	1487	2.210	ng/ul#	4
22) Nitrobenzene	9.563	77	2194	1.133	ng/ul#	52
23) Isophorone	10.068	82	7552	1.819	ng/ul#	88
25) 2-Nitrophenol	10.356	139	1258	1.303	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.562	93	13414	5.192	ng/ul#	1
29) 2,4-Dichlorophenol	10.803	162	4569	2.756	ng/ul#	86
30) Naphthalene	11.214	128	29678	5.005	ng/ul#	95
34) Caprolactam	12.113	113	719	1.184	ng/ul#	1
35) 4-Chloro-3-methylphenol	12.454	107	41188	23.587	ng/ul#	20
36) 2-Methylnaphthalene	12.794	142	14844	3.748	ng/ul	87
37) 1-Methylnaphthalene	13.006	142	11463	2.865	ng/ul#	88
39) 1,2,4,5-Tetrachloroben...	13.129	216	4407	2.167	ng/ul#	60
42) 2,4,5-Trichlorophenol	13.458	196	4793	3.337	ng/ul#	97
43) 1,1'-Biphenyl	13.781	154	45831	8.278	ng/ul#	90
45) 2-Nitroaniline	14.034	65	2565	1.914	ng/ul#	26
47) Dimethylphthalate	14.392	163	79697	14.627	ng/ul#	93
51) 3-Nitroaniline	14.862	138	1443	1.299	ng/ul#	31
55) 4-Nitrophenol	15.139	109	1073	1.668	ng/ul#	39
58) 2,3,4,6-Tetrachlorophenol	15.521	232	13619	10.244	ng/ul#	86

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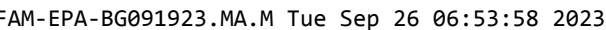
Instrument :
BNA_G
ClientSampleId :
BBKJ4DL

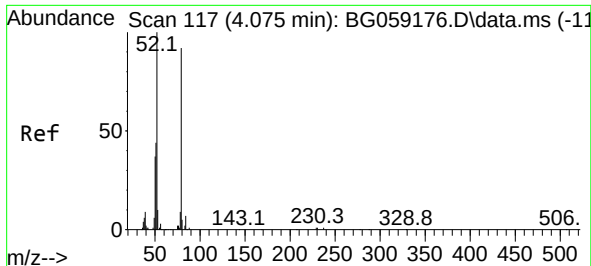
Quant Time: Sep 25 22:37:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 25 22:33:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Diethylphthalate	15.732	149	475194	88.509	ng/ul	99
66) 4,6-Dinitro-2-methylph...	16.055	198	41961	46.404	ng/ul#	84
67) N-Nitrosodiphenylamine	16.190	169	4623	1.177	ng/ul#	69
71) Pentachlorophenol	17.318	266	32133	30.082	ng/ul	97
78) Di-n-butylphthalate	18.605	149	38519	4.457	ng/ul#	92

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

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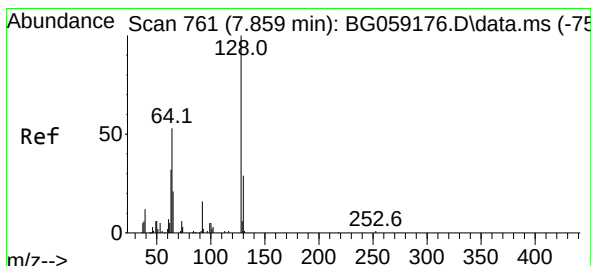
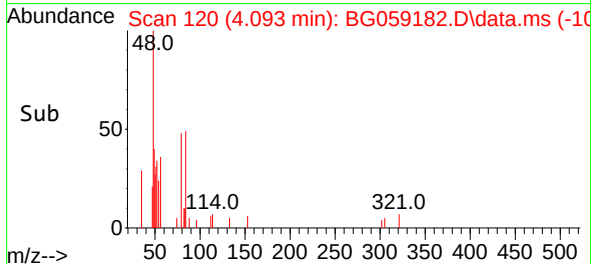
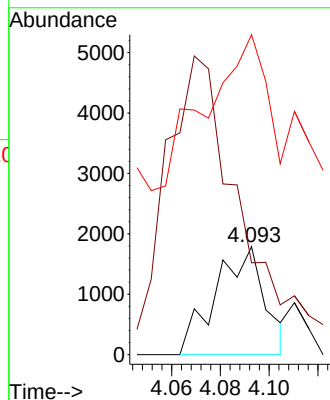
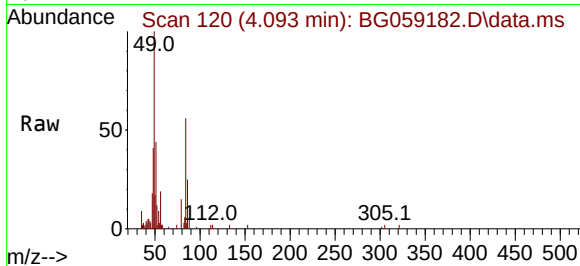




#5
 Pyridine
 Concen: 1.429 ng/ul
 RT: 4.093 min Scan# 117
 Delta R.T. 0.017 min
 Lab File: BG059182.D
 Acq: 25 Sep 2023 13:47

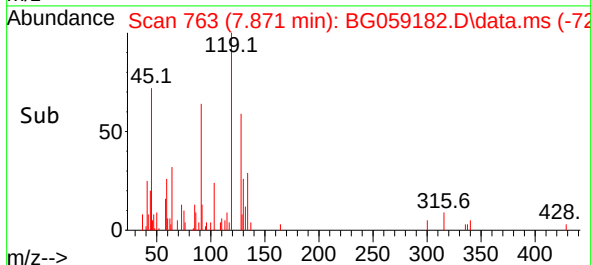
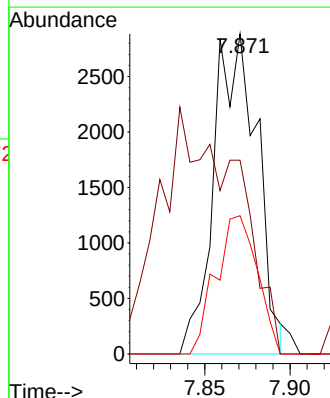
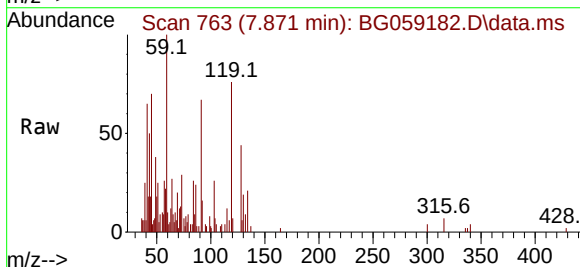
Instrument :
 BNA_G
 ClientSampleId :
 BBKJ4DL

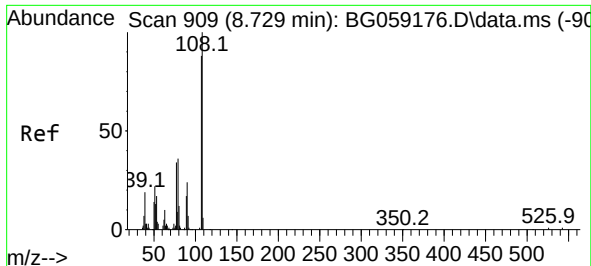
Tgt Ion: 79 Resp: 2523
 Ion Ratio Lower Upper
 79 100
 52 85.0 90.6 135.8#
 51 296.3 39.6 59.4#



#12
 2-Chlorophenol
 Concen: 2.978 ng/ul
 RT: 7.871 min Scan# 763
 Delta R.T. 0.012 min
 Lab File: BG059182.D
 Acq: 25 Sep 2023 13:47

Tgt Ion: 128 Resp: 5096
 Ion Ratio Lower Upper
 128 100
 64 60.5 40.3 60.5#
 130 43.2 24.0 36.0#

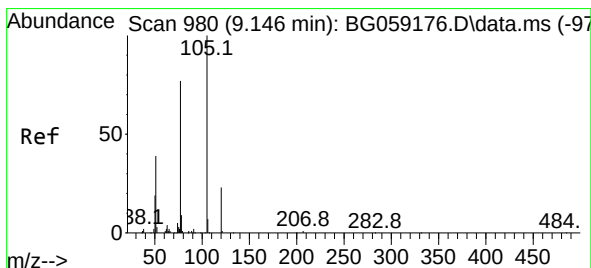
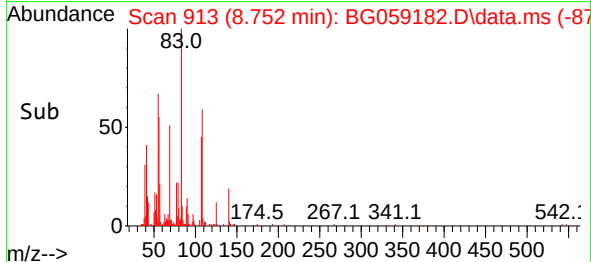
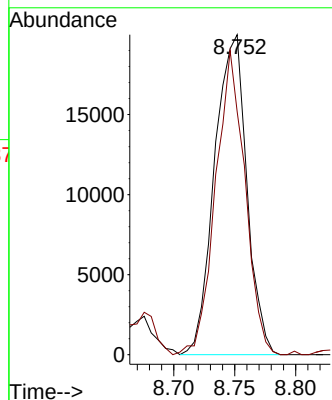
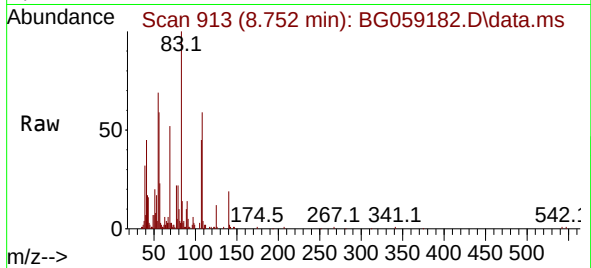




#13
2-Methylphenol
Concen: 21.223 ng/ul
RT: 8.752 min Scan# 911
Delta R.T. 0.023 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

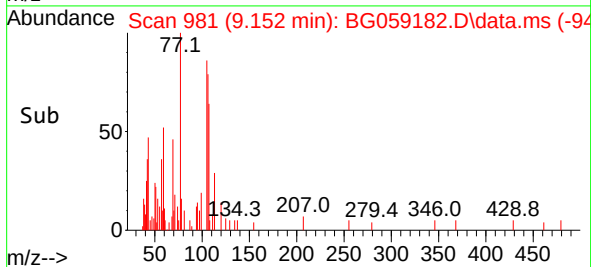
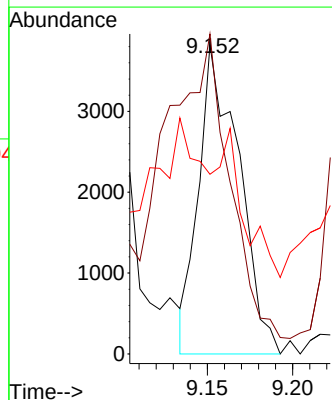
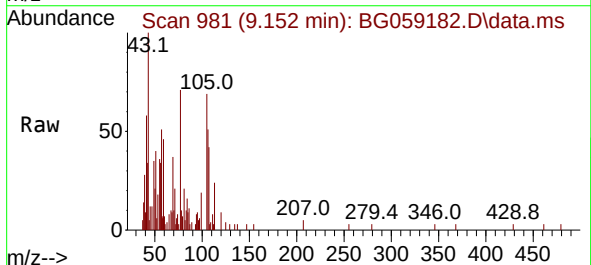
Instrument :
BNA_G
ClientSampleId :
BBKJ4DL

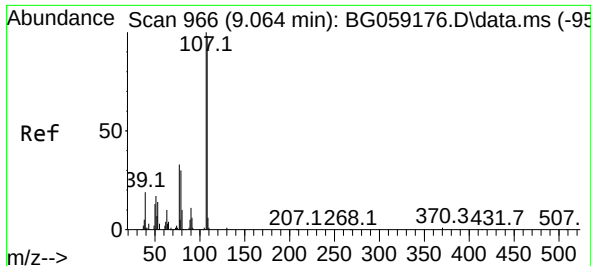
Tgt Ion:108 Resp: 36793
Ion Ratio Lower Upper
108 100
107 76.0 75.1 112.7



#16
Acetophenone
Concen: 2.241 ng/ul
RT: 9.152 min Scan# 981
Delta R.T. 0.006 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

Tgt Ion:105 Resp: 6244
Ion Ratio Lower Upper
105 100
77 103.4 57.2 85.8#
51 58.1 31.6 47.4#

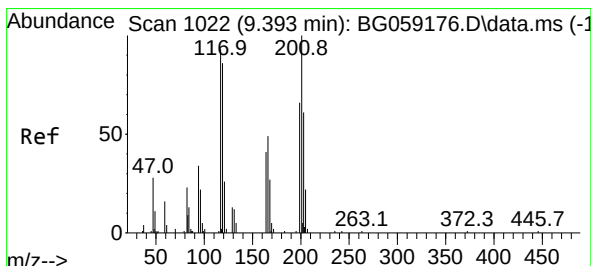
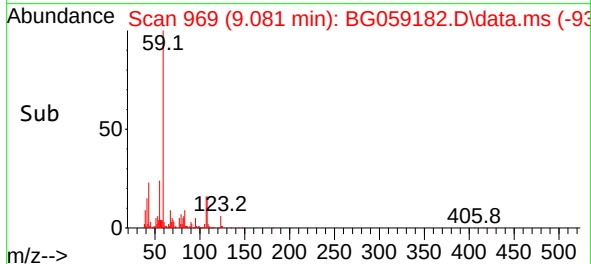
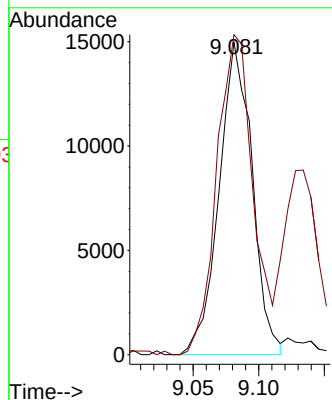
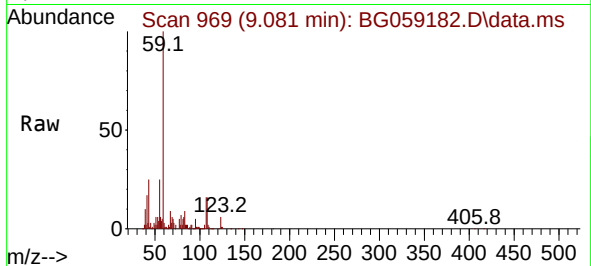




#18
4-Methylphenol
Concen: 14.130 ng/ul
RT: 9.081 min Scan# 90
Delta R.T. 0.017 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

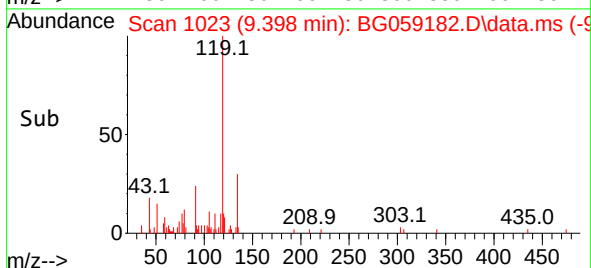
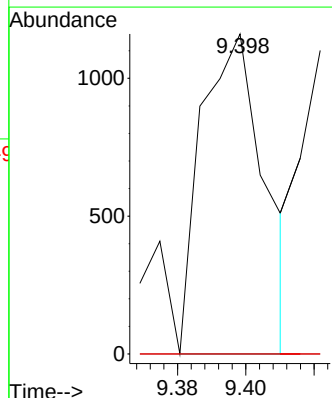
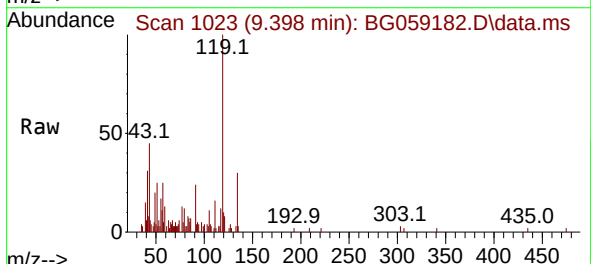
Instrument :
BNA_G
ClientSampleId :
BBKJ4DL

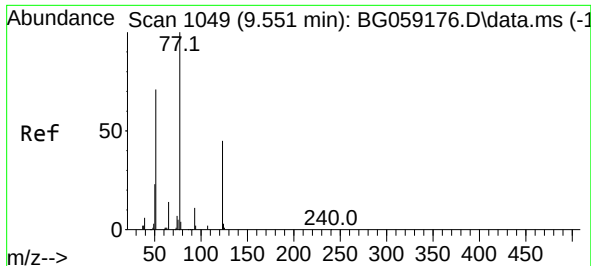
Tgt Ion:108 Resp: 26251
Ion Ratio Lower Upper
108 100
107 102.5 94.4 141.6



#19
Hexachloroethane
Concen: 2.210 ng/ul
RT: 9.398 min Scan# 1023
Delta R.T. 0.006 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

Tgt Ion:117 Resp: 1487
Ion Ratio Lower Upper
117 100
201 0.0 86.4 129.6#
199 0.0 56.2 84.2#





#22

Nitrobenzene

Concen: 1.133 ng/ul

RT: 9.563 min Scan# 1049

Delta R.T. 0.012 min

Lab File: BG059182.D

Acq: 25 Sep 2023 13:47

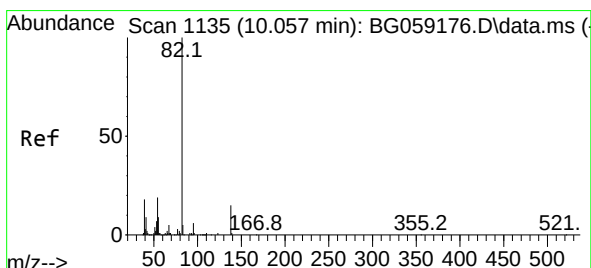
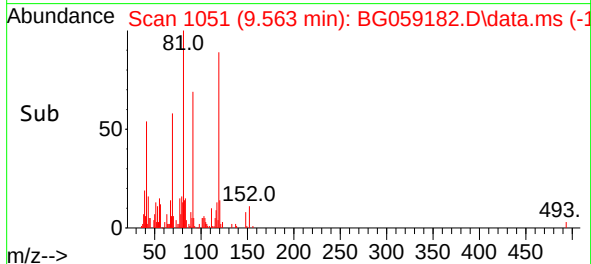
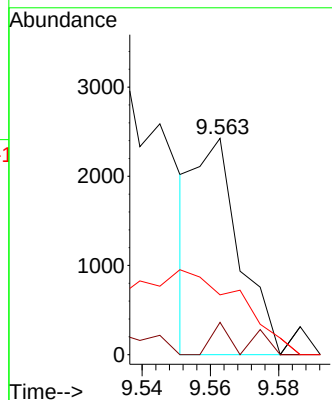
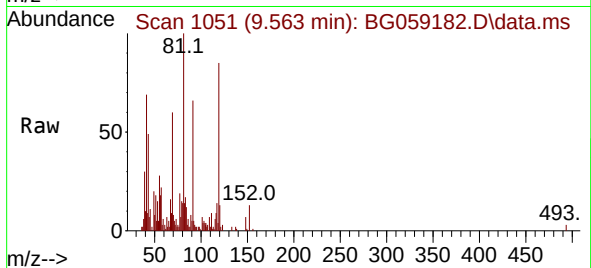
Instrument :

BNA_G

ClientSampleId :

BBKJ4DL

Tgt Ion: 77	Resp: 2194
Ion Ratio	Lower Upper
77 100	
123 14.9	41.8 62.8#
65 27.6	12.3 18.5#



#23

Isophorone

Concen: 1.819 ng/ul

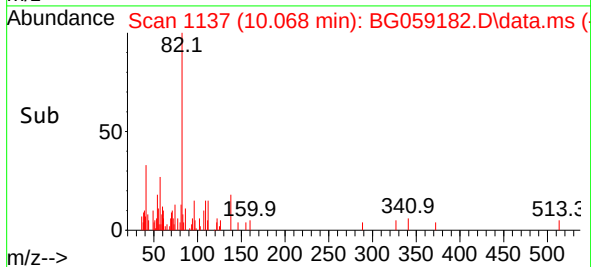
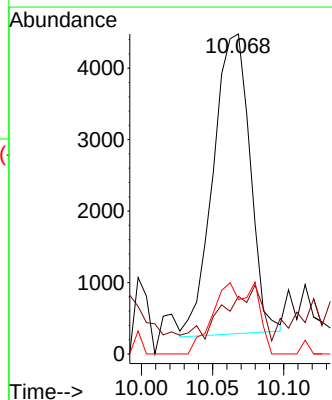
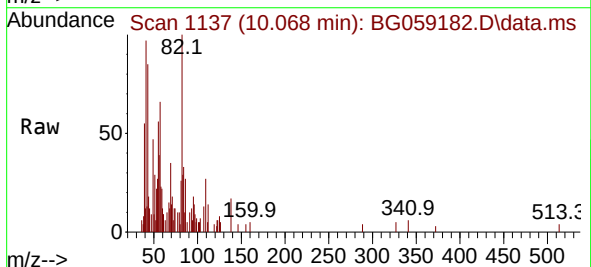
RT: 10.068 min Scan# 1137

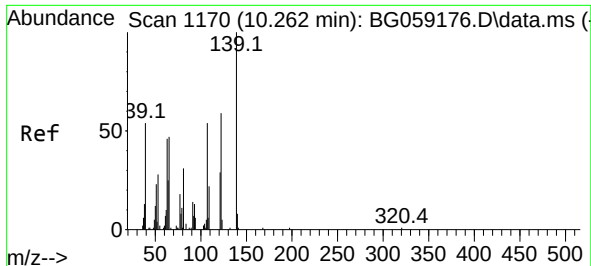
Delta R.T. 0.011 min

Lab File: BG059182.D

Acq: 25 Sep 2023 13:47

Tgt Ion: 82	Resp: 7552
Ion Ratio	Lower Upper
82 100	
95 18.0	5.4 8.2#
138 17.1	12.7 19.1

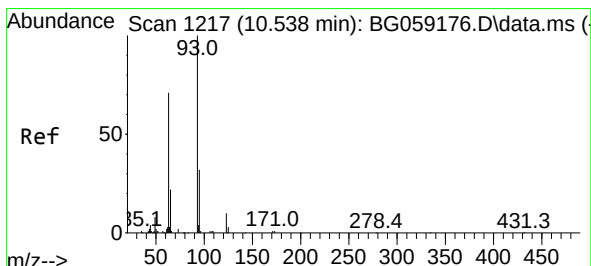
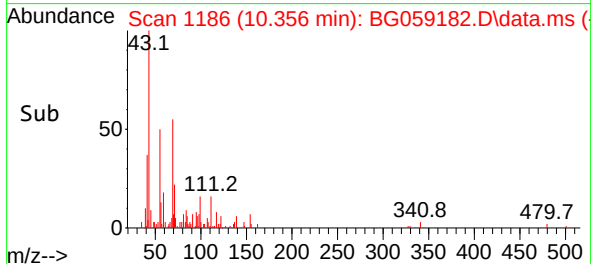
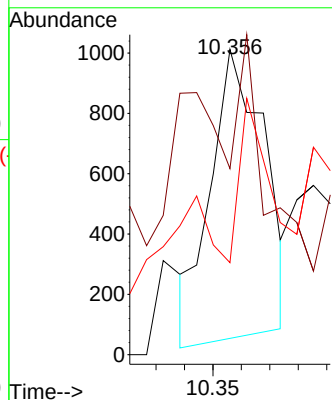
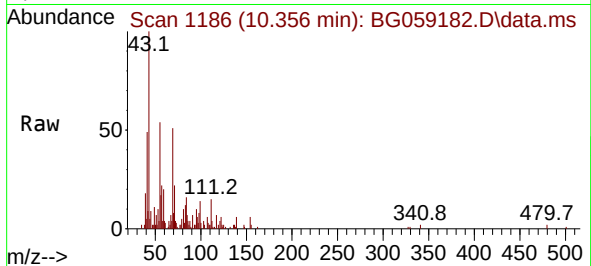




#25
2-Nitrophenol
Concen: 1.303 ng/ul
RT: 10.356 min Scan# 1170
Delta R.T. 0.094 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

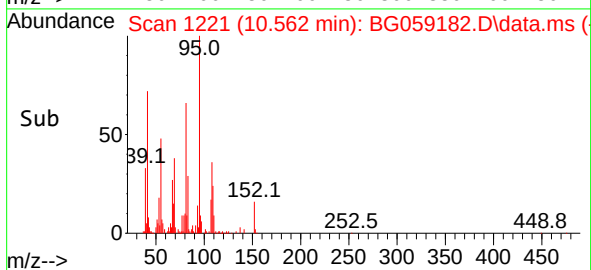
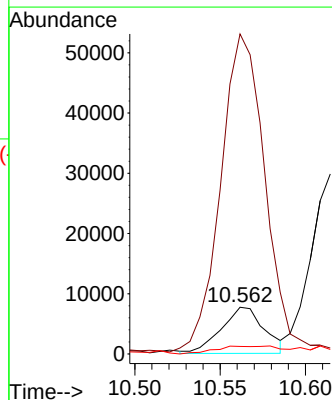
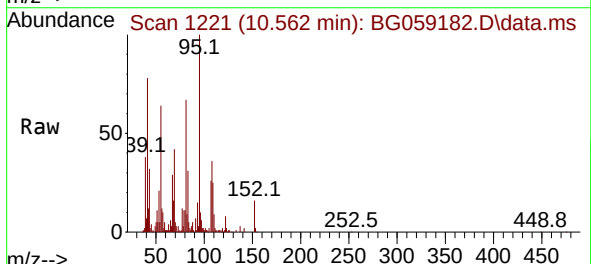
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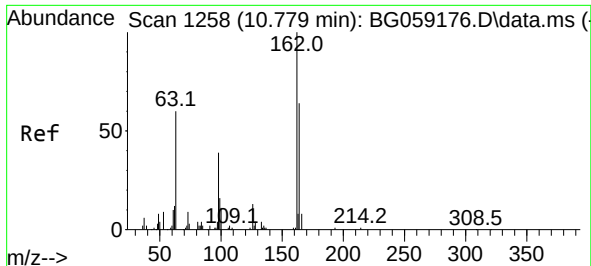
Tgt Ion:139 Resp: 1258
Ion Ratio Lower Upper
139 100
65 61.0 46.4 69.6
109 30.1 21.6 32.4



#27
Bis(2-Chloroethoxy)methane
Concen: 5.192 ng/ul
RT: 10.562 min Scan# 1221
Delta R.T. 0.023 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

Tgt Ion: 93 Resp: 13414
Ion Ratio Lower Upper
93 100
95 685.8 26.1 39.1#
123 16.1 8.7 13.1#





#29

2,4-Dichlorophenol

Concen: 2.756 ng/ul

RT: 10.803 min Scan# 11

Delta R.T. 0.023 min

Lab File: BG059182.D

Acq: 25 Sep 2023 13:47

Instrument :

BNA_G

ClientSampleId :

BBKJ4DL

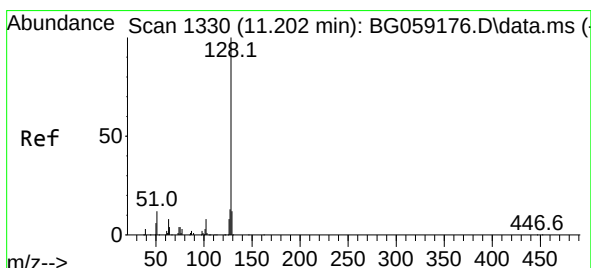
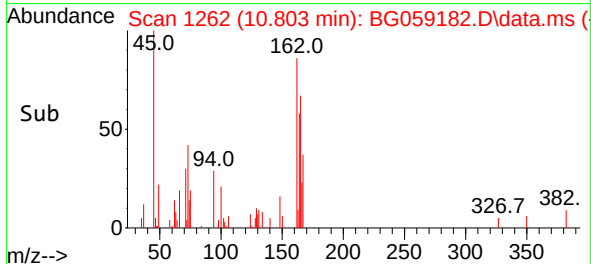
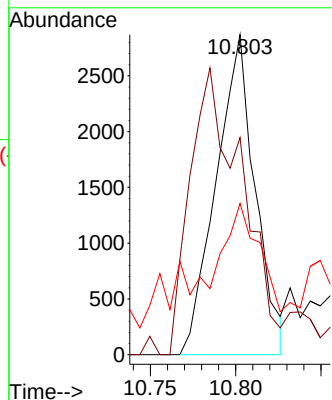
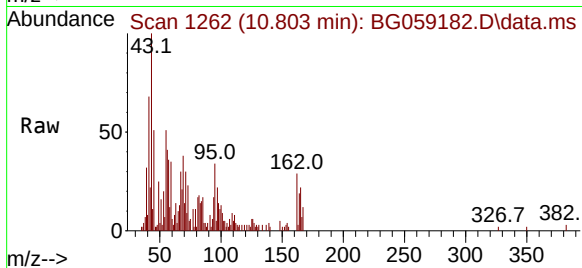
Tgt Ion:162 Resp: 4569

Ion Ratio Lower Upper

162 100

164 67.8 49.8 74.8

98 47.2 25.9 38.9#



#30

Naphthalene

Concen: 5.005 ng/ul

RT: 11.214 min Scan# 1332

Delta R.T. 0.012 min

Lab File: BG059182.D

Acq: 25 Sep 2023 13:47

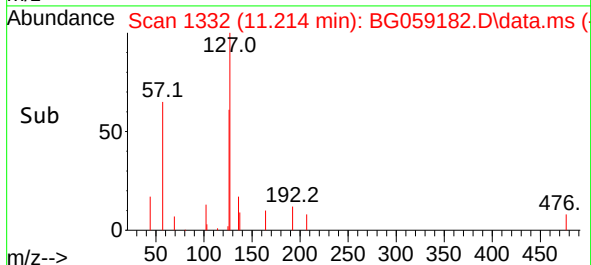
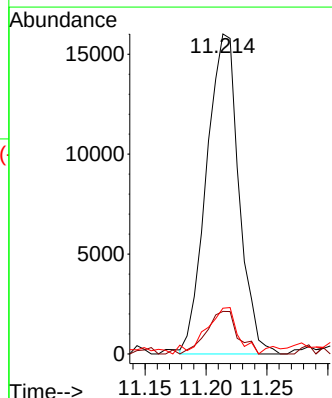
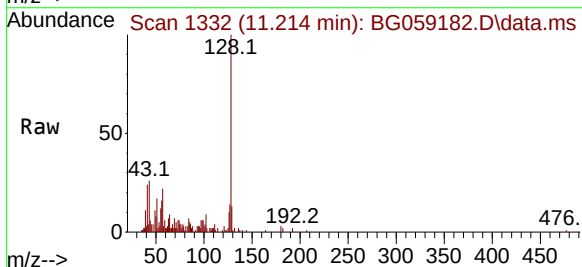
Tgt Ion:128 Resp: 29678

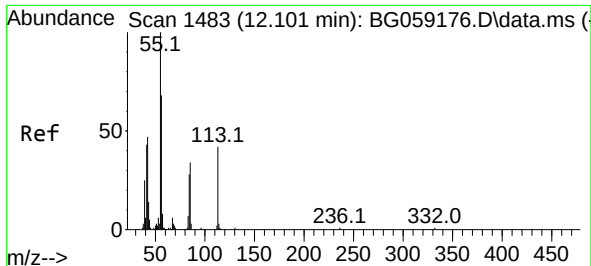
Ion Ratio Lower Upper

128 100

129 13.3 8.4 12.6#

127 14.3 10.2 15.4

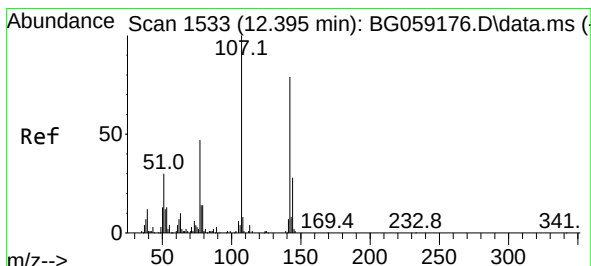
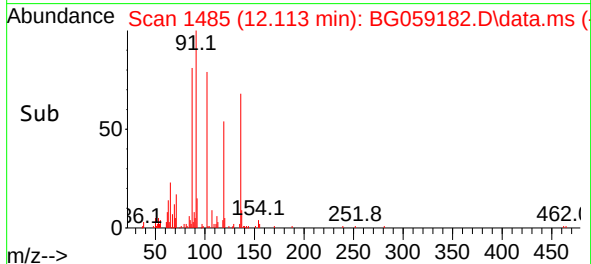
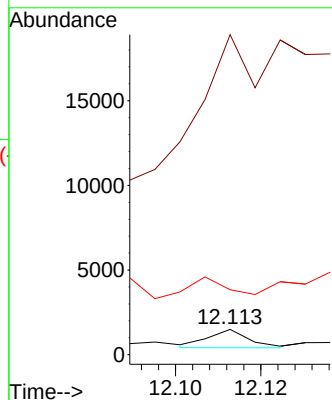
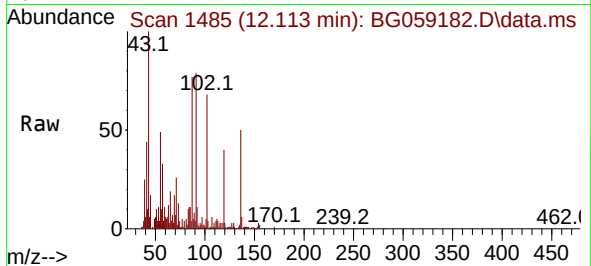




#34
Caprolactam
Concen: 1.184 ng/ul
RT: 12.113 min Scan# 1485
Delta R.T. 0.012 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

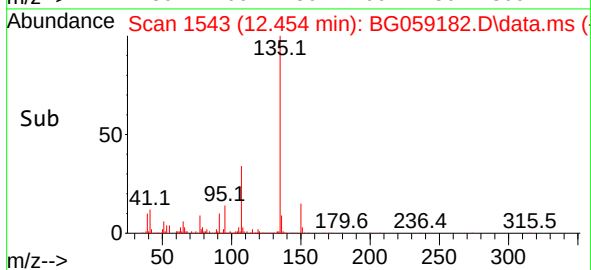
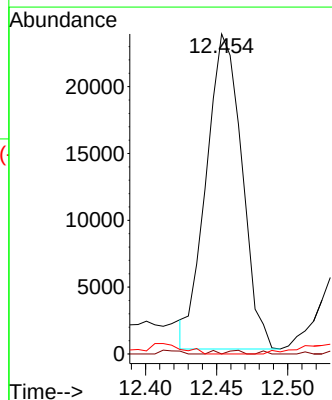
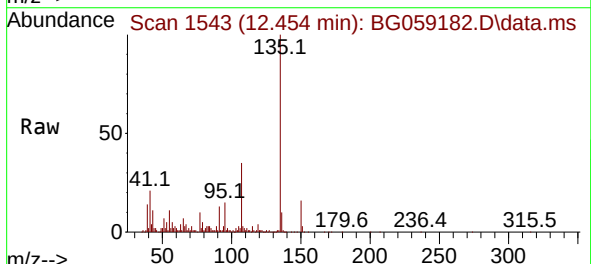
Instrument :
BNA_G
ClientSampleId :
BBKJ4DL

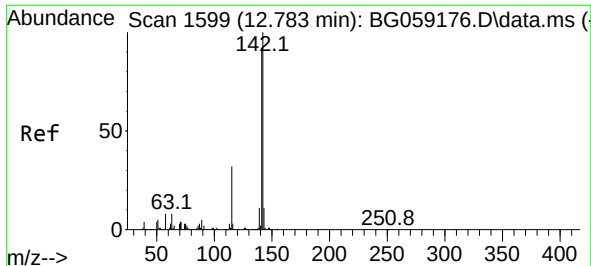
Tgt Ion:113 Resp: 719
Ion Ratio Lower Upper
113 100
55 1261.9 157.6 236.4#
56 256.2 112.3 168.5#



#35
4-Chloro-3-methylphenol
Concen: 23.587 ng/ul
RT: 12.454 min Scan# 1543
Delta R.T. 0.059 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

Tgt Ion:107 Resp: 41188
Ion Ratio Lower Upper
107 100
144 0.0 20.1 30.1#
142 0.0 62.7 94.1#

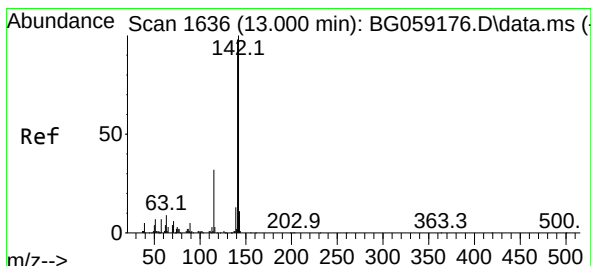
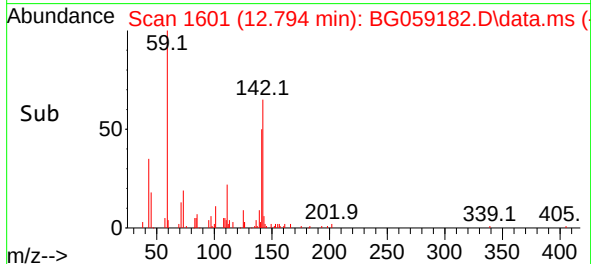
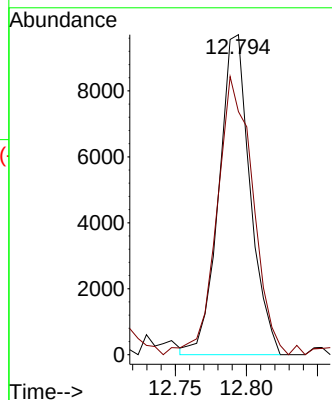
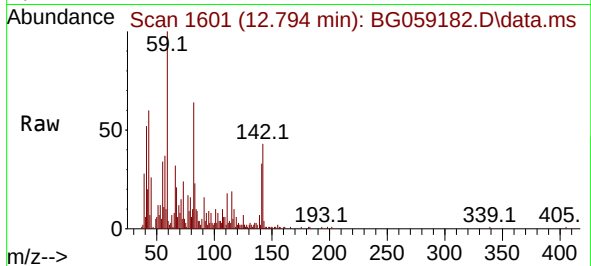




#36
2-Methylnaphthalene
Concen: 3.748 ng/ul
RT: 12.794 min Scan# 1
Delta R.T. 0.012 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

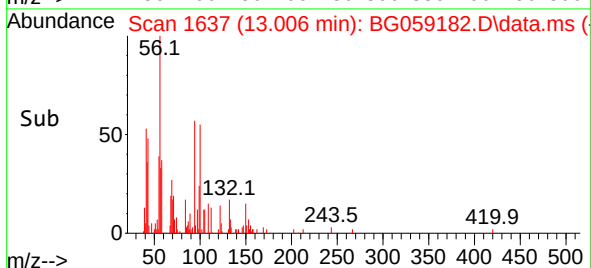
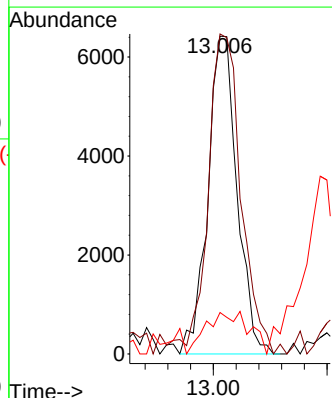
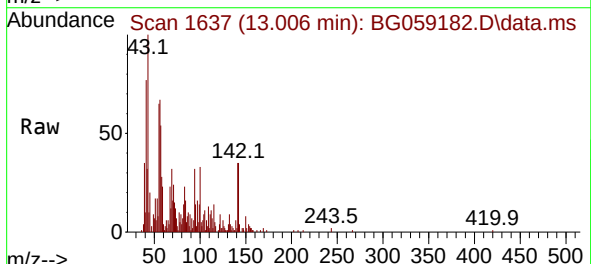
Instrument :
BNA_G
ClientSampleId :
BBKJ4DL

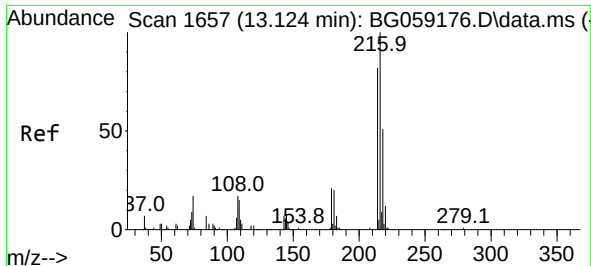
Tgt Ion:142 Resp: 14844
Ion Ratio Lower Upper
142 100
141 76.0 70.6 106.0



#37
1-Methylnaphthalene
Concen: 2.865 ng/ul
RT: 13.006 min Scan# 1637
Delta R.T. 0.006 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

Tgt Ion:142 Resp: 11463
Ion Ratio Lower Upper
142 100
141 100.7 72.0 108.0
116 13.0 2.7 4.1#





#39

1,2,4,5-Tetrachlorobenzene

Concen: 2.167 ng/ul

RT: 13.129 min Scan# 1

Delta R.T. 0.006 min

Lab File: BG059182.D

Acq: 25 Sep 2023 13:47

Instrument :

BNA_G

ClientSampleId :

BBKJ4DL

Tgt Ion:216 Resp: 4407

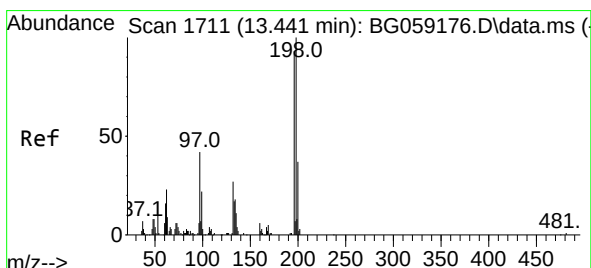
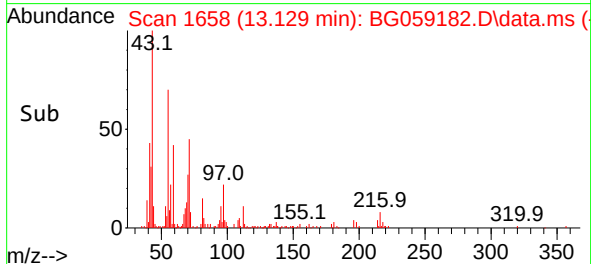
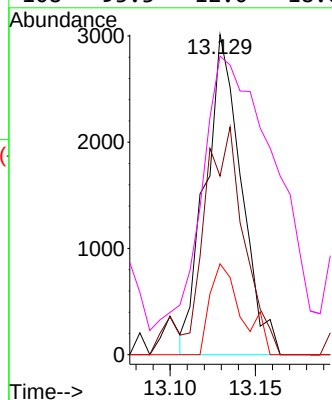
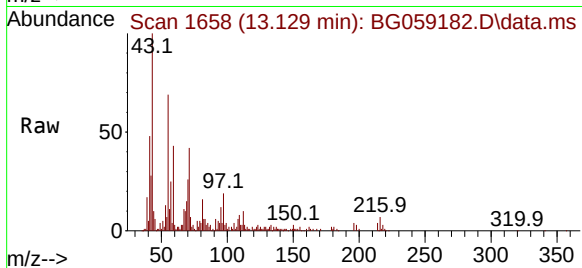
Ion Ratio Lower Upper

216 100

214 62.7 62.6 94.0

179 28.4 16.0 24.0#

108 93.3 12.0 18.0#



#42

2,4,5-Trichlorophenol

Concen: 3.337 ng/ul

RT: 13.458 min Scan# 1714

Delta R.T. 0.017 min

Lab File: BG059182.D

Acq: 25 Sep 2023 13:47

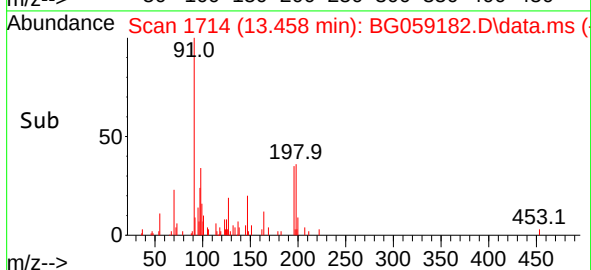
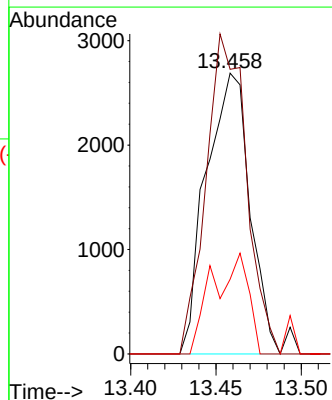
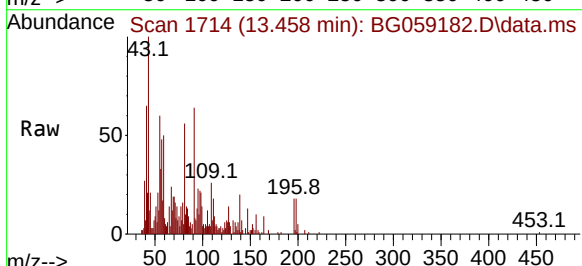
Tgt Ion:196 Resp: 4793

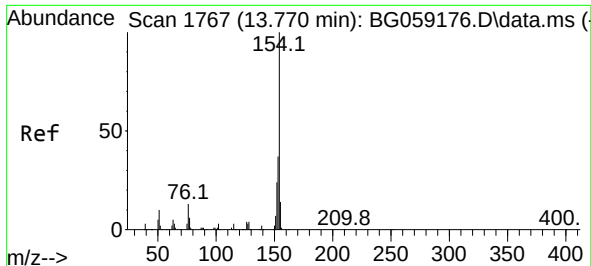
Ion Ratio Lower Upper

196 100

198 101.4 81.0 121.6

200 26.6 27.1 40.7#

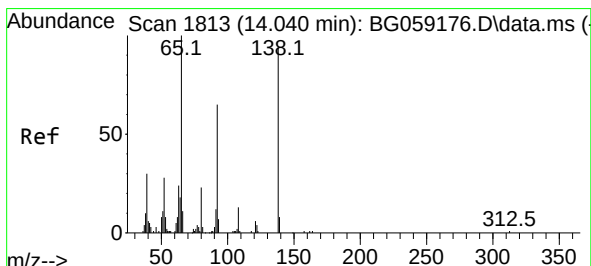
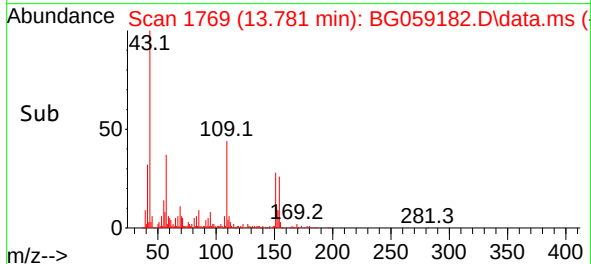
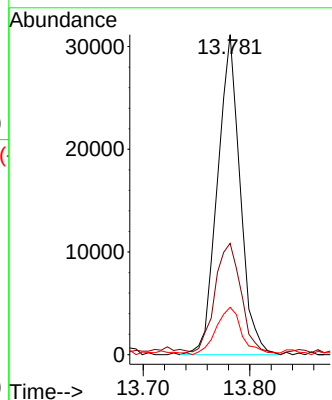
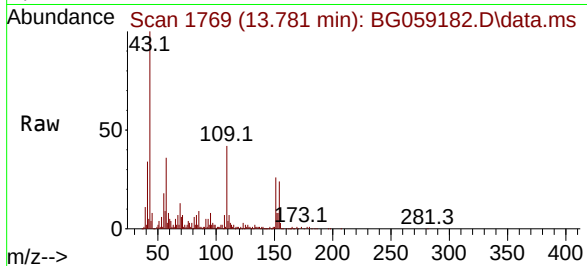




#43
1,1'-Biphenyl
Concen: 8.278 ng/ul
RT: 13.781 min Scan# 1769
Delta R.T. 0.012 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

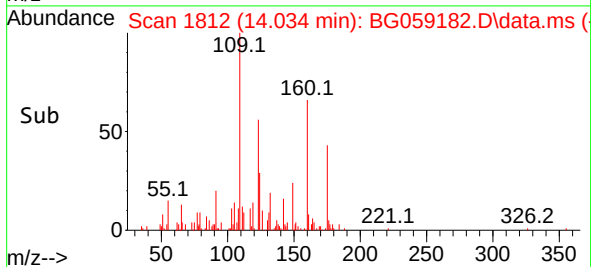
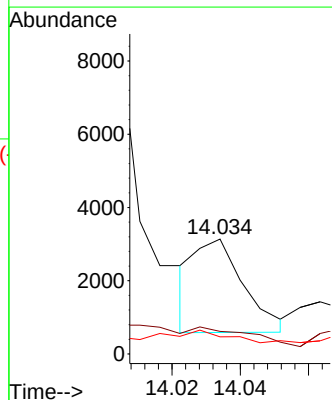
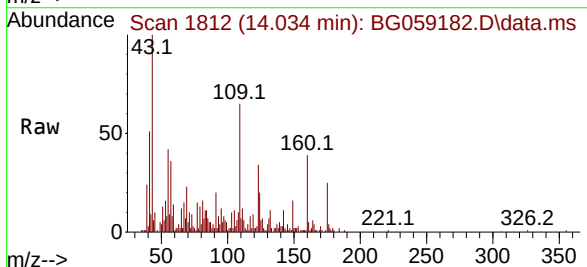
Instrument :
BNA_G
ClientSampleId :
BBKJ4DL

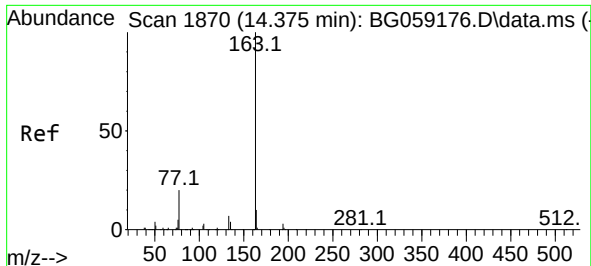
Tgt Ion:154 Resp: 45831
Ion Ratio Lower Upper
154 100
153 34.8 33.2 49.8
76 14.8 9.8 14.8#



#45
2-Nitroaniline
Concen: 1.914 ng/ul
RT: 14.034 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

Tgt Ion: 65 Resp: 2565
Ion Ratio Lower Upper
65 100
92 19.7 53.6 80.4#
138 14.9 79.8 119.6#

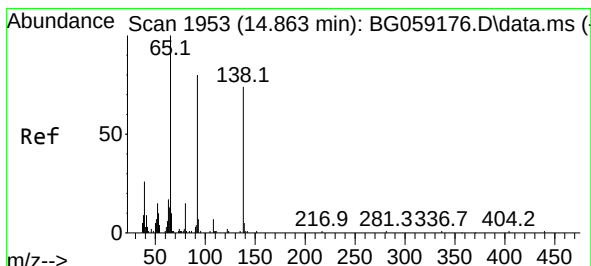
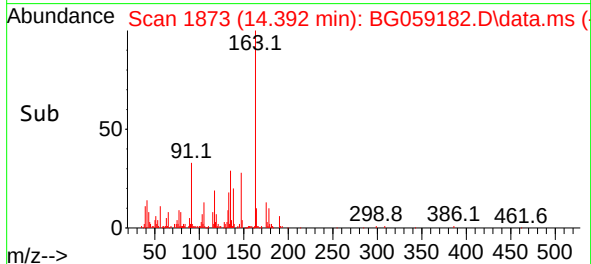
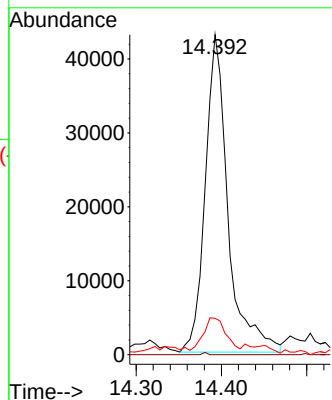
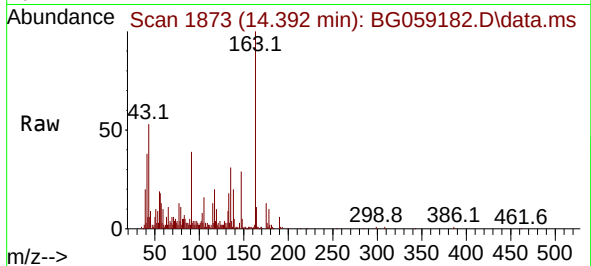




#47
Dimethylphthalate
Concen: 14.627 ng/ul
RT: 14.392 min Scan# 1873
Delta R.T. 0.017 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

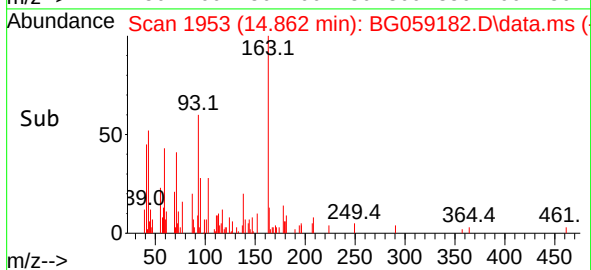
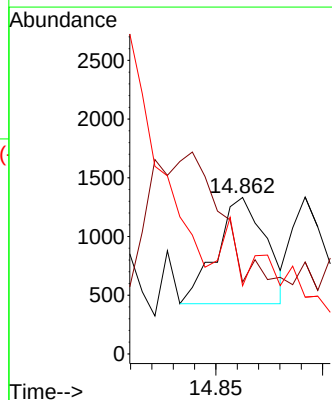
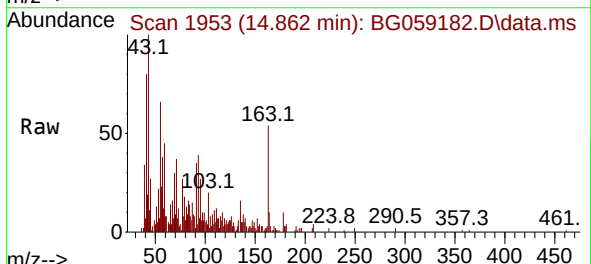
Instrument :
BNA_G
ClientSampleId :
BBKJ4DL

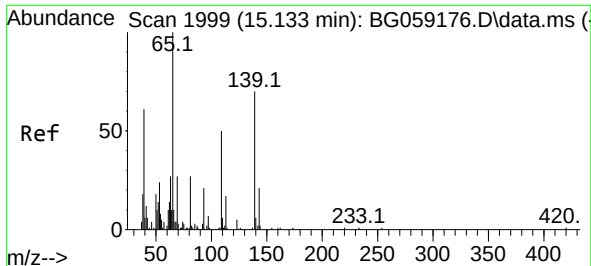
Tgt Ion:163 Resp: 79697
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 11.4 7.6 11.4



#51
3-Nitroaniline
Concen: 1.299 ng/ul
RT: 14.862 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

Tgt Ion:138 Resp: 1443
Ion Ratio Lower Upper
138 100
108 45.9 7.4 11.2#
92 43.5 93.4 140.0#

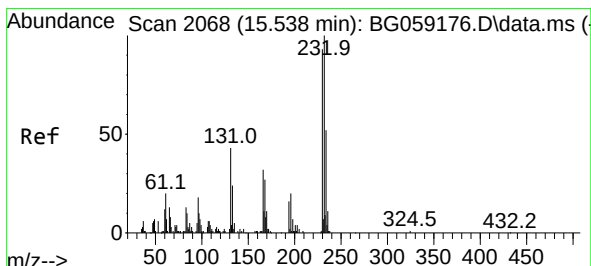
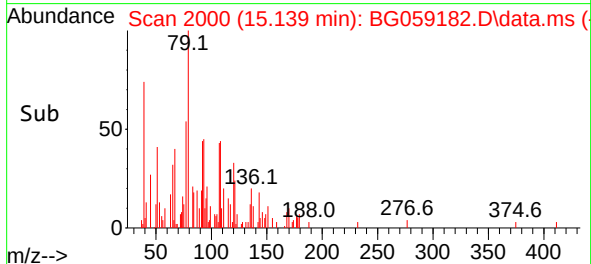
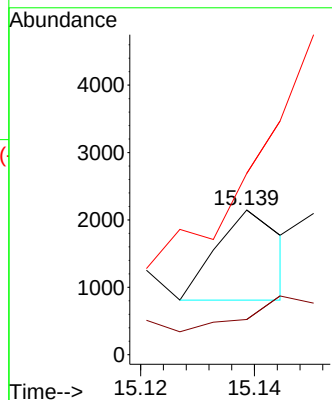
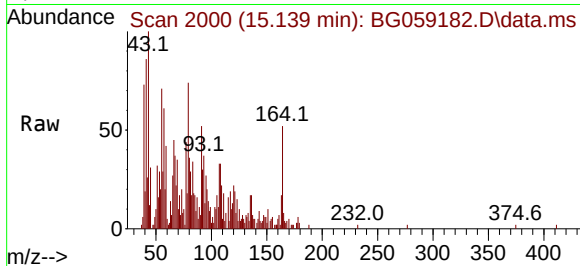




#55
4-Nitrophenol
Concen: 1.668 ng/ul
RT: 15.139 min Scan# 2000
Delta R.T. 0.006 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

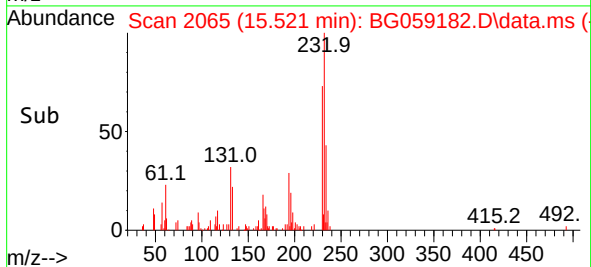
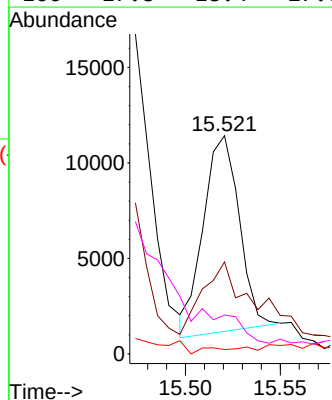
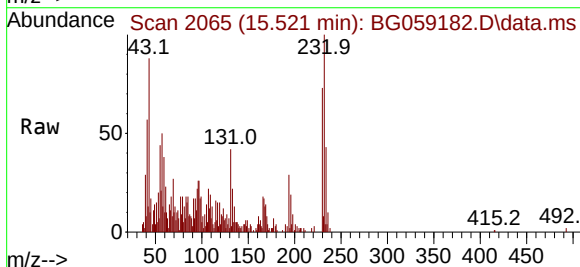
Instrument :
BNA_G
ClientSampleId :
BBKJ4DL

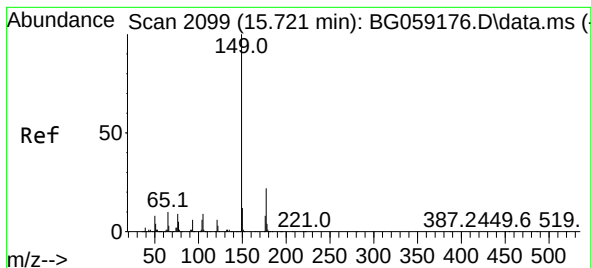
Tgt Ion:109 Resp: 1073
Ion Ratio Lower Upper
109 100
139 24.4 114.5 171.7#
65 125.3 132.1 198.1#



#58
2,3,4,6-Tetrachlorophenol
Concen: 10.244 ng/ul
RT: 15.521 min Scan# 2065
Delta R.T. -0.018 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

Tgt Ion:232 Resp: 13619
Ion Ratio Lower Upper
232 100
131 42.2 25.8 38.8#
130 2.1 1.8 2.6
166 17.8 18.4 27.6#





#59

Diethylphthalate

Concen: 88.509 ng/ul

RT: 15.732 min Scan# 2101

Delta R.T. 0.011 min

Lab File: BG059182.D

Acq: 25 Sep 2023 13:47

Instrument :

BNA_G

ClientSampleId :

BBKJ4DL

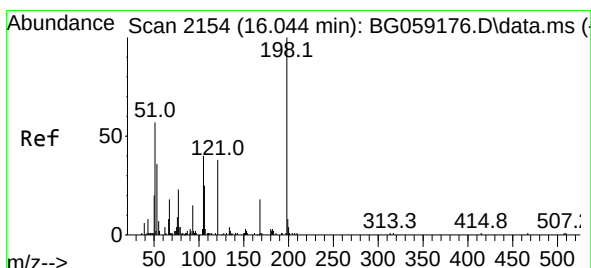
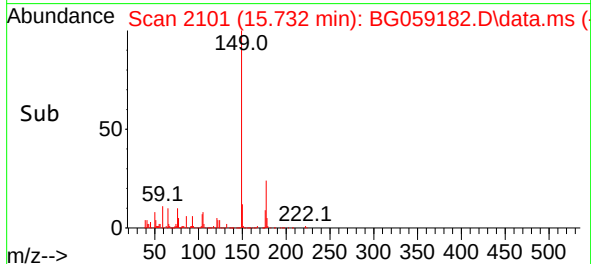
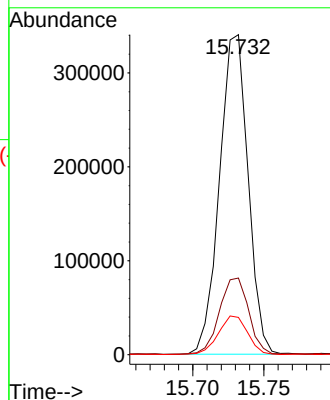
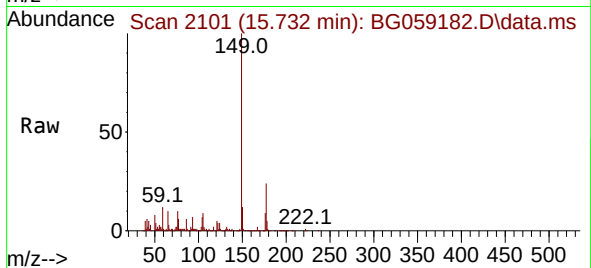
Tgt Ion:149 Resp: 475194

Ion Ratio Lower Upper

149 100

177 24.0 19.4 29.2

150 11.7 9.8 14.8



#66

4,6-Dinitro-2-methylphenol

Concen: 46.404 ng/ul

RT: 16.055 min Scan# 2156

Delta R.T. 0.012 min

Lab File: BG059182.D

Acq: 25 Sep 2023 13:47

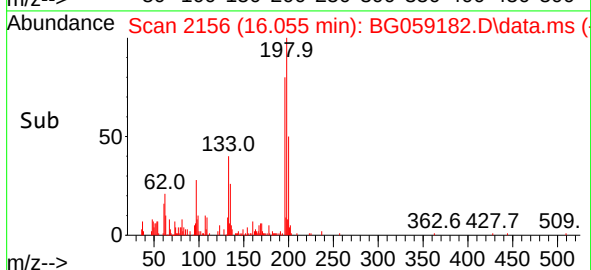
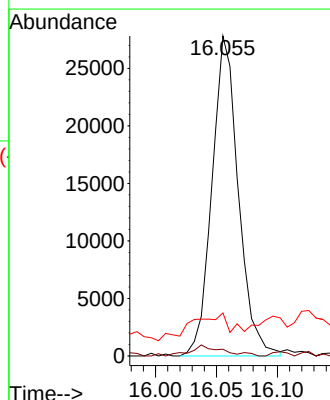
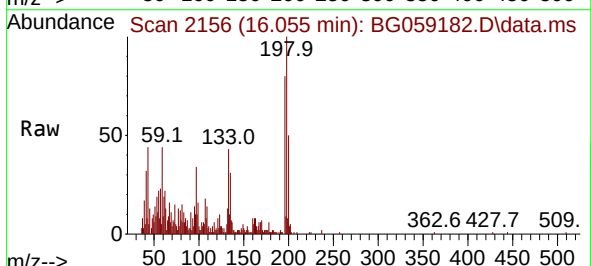
Tgt Ion:198 Resp: 41961

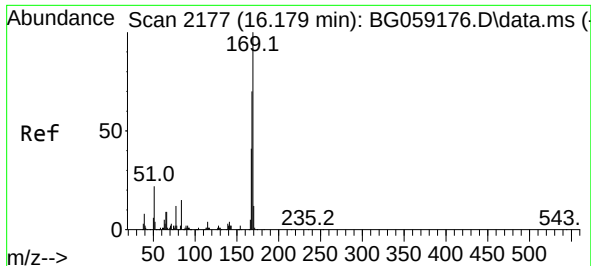
Ion Ratio Lower Upper

198 100

182 2.1 3.5 5.3#

77 13.4 17.3 25.9#





#67

N-Nitrosodiphenylamine

Concen: 1.177 ng/ul

RT: 16.190 min Scan# 2177

Delta R.T. 0.012 min

Lab File: BG059182.D

Acq: 25 Sep 2023 13:47

Instrument :

BNA_G

ClientSampleId :

BBKJ4DL

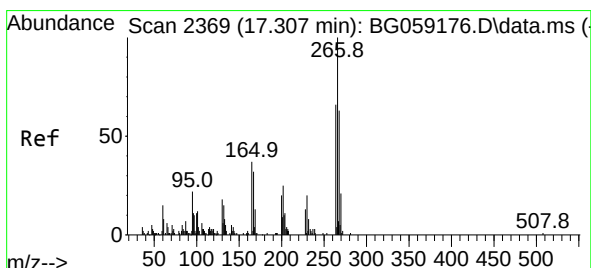
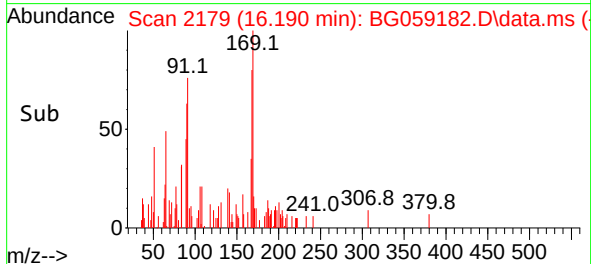
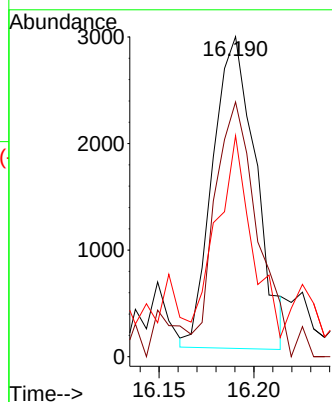
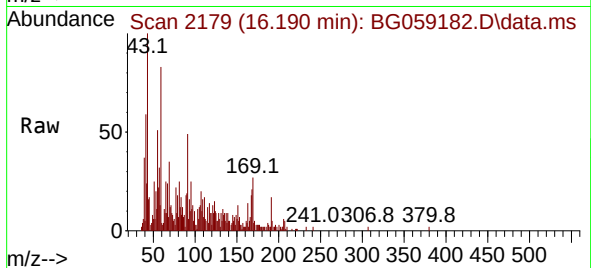
Tgt Ion:169 Resp: 4623

Ion Ratio Lower Upper

169 100

168 79.6 52.1 78.1#

167 69.1 30.5 45.7#



#71

Pentachlorophenol

Concen: 30.082 ng/ul

RT: 17.318 min Scan# 2371

Delta R.T. 0.012 min

Lab File: BG059182.D

Acq: 25 Sep 2023 13:47

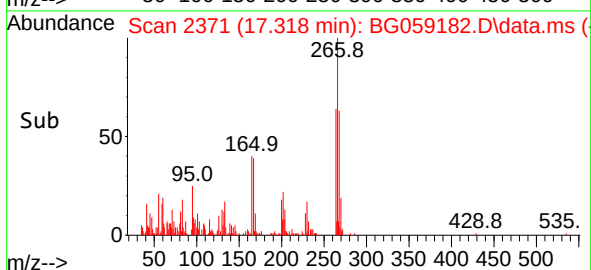
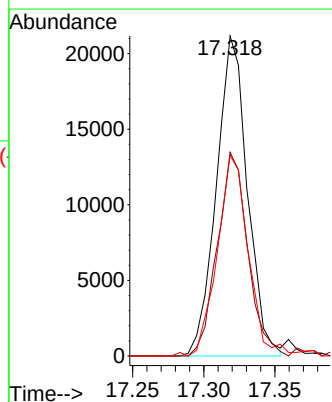
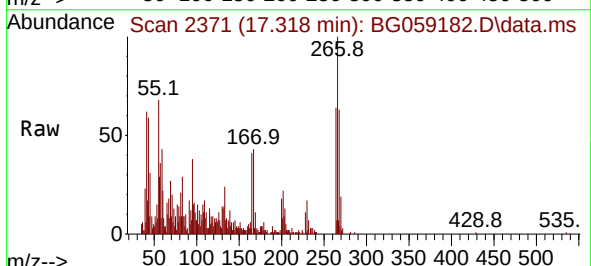
Tgt Ion:266 Resp: 32133

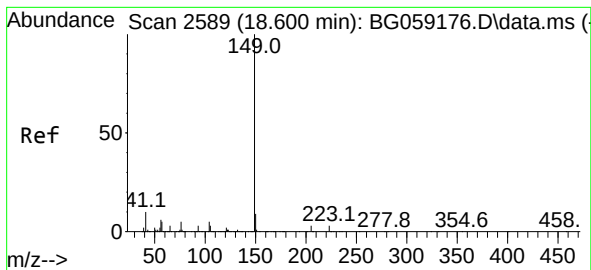
Ion Ratio Lower Upper

266 100

264 63.6 50.6 76.0

268 66.4 56.4 84.6





#78
Di-n-butylphthalate
Concen: 4.457 ng/ul
RT: 18.605 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG059182.D
Acq: 25 Sep 2023 13:47

Instrument :
BNA_G
ClientSampleId :
BBKJ4DL

Tgt Ion:149 Resp: 38519
Ion Ratio Lower Upper
149 100
150 12.8 7.4 11.2#
104 6.3 3.5 5.3#

