

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111723\
 Data File : BG059748.D
 Acq On : 18 Nov 2023 3:04
 Operator : MA/JU
 Sample : 05331-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

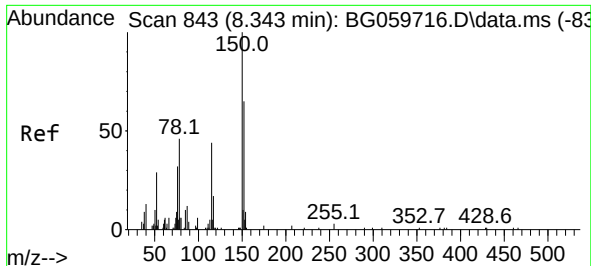
Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 18 04:28:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

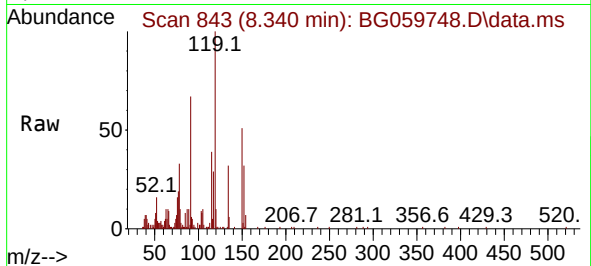
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.340	152	16656	20.000	ng	# 0.00
21) Naphthalene-d8	11.196	136	73687	20.000	ng	# 0.00
39) Acenaphthene-d10	14.968	164	67513	20.000	ng	# 0.00
64) Phenanthrene-d10	17.718	188	137543	20.000	ng	0.00
76) Chrysene-d12	22.042	240	135301	20.000	ng	# 0.00
86) Perylene-d12	25.620	264	156231	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.849	112	72249	73.010	ng	0.02
7) Phenol-d6	7.465	99	69953	47.702	ng	0.00
23) Nitrobenzene-d5	9.545	82	224650	116.436	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	133156	173.829	ng	0.00
45) 2-Fluorobiphenyl	13.593	172	456484	91.012	ng	0.00
79) Terphenyl-d14	20.297	244	962058	104.969	ng	0.00
Target Compounds						Qvalue
6) Aniline	7.700	93	9950	5.141	ng	# 1
9) Benzaldehyde	7.453	77	217747	219.666	ng	# 1
11) bis(2-Chloroethyl)ether	7.700	93	9950	10.575	ng	# 1
15) Benzyl Alcohol	8.440	79	214597	128.327	ng	# 15
18) Hexachloroethane	9.439	117	123894	243.763	ng	# 1
19) n-Nitroso-di-n-propyla...	9.269	70	2337	2.024	ng	# 81
20) 3+4-Methylphenols	9.087	107	11653	7.540	ng	# 74
22) Acetophenone	9.175	105	9502	4.555	ng	# 95
24) Nitrobenzene	9.527	77	30441	17.131	ng	# 31
27) 2,4-Dimethylphenol	10.320	122	18869	14.245	ng	85
28) bis(2-Chloroethoxy)met...	10.591	93	2607	2.142	ng	# 78
31) Naphthalene	11.255	128	2284487	616.549	ng	# 96
32) Benzoic acid	10.350	122	19696	21.849	ng	# 48
33) 4-Chloroaniline	11.255	127	312677	198.399	ng	# 31
35) Caprolactam	12.060	113	829	2.006	ng	82
37) 2-Methylnaphthalene	12.823	142	360294	115.452	ng	# 89
38) 1-Methylnaphthalene	12.823	142	360294	125.194	ng	87
48) 2-Nitroaniline	14.069	65	11657	8.967	ng	# 36
51) 2,6-Dinitrotoluene	14.451	165	5522	5.564	ng	87
67) 4-Bromophenyl-phenylether	16.454	248	9577	6.481	ng	# 1
77) Benzidine	20.297	184	29127	9.494	ng	# 88

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

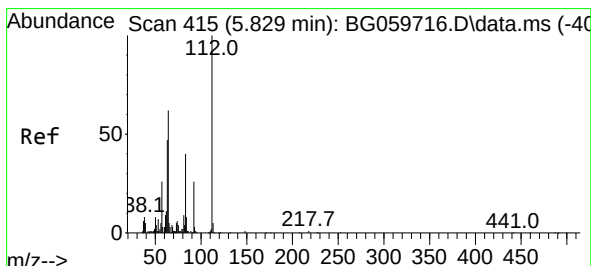
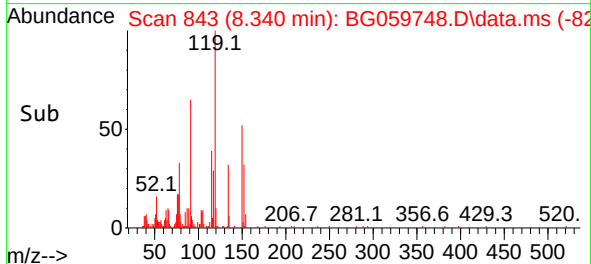
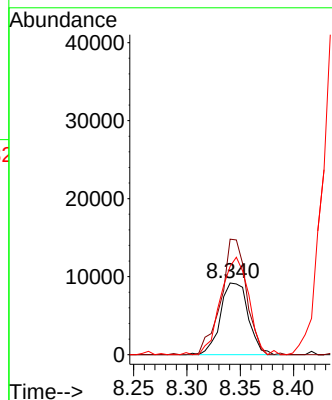


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Instrument :
BNA_G
ClientSampleId :

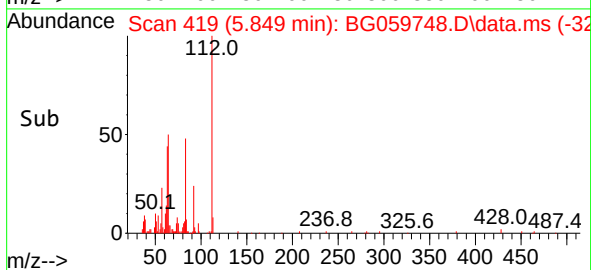
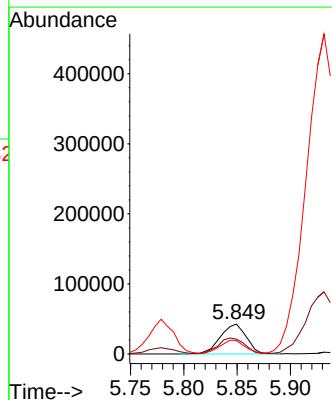
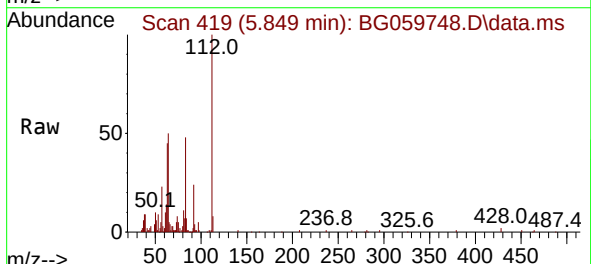


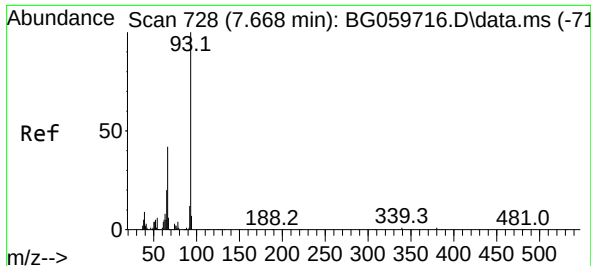
Tgt Ion:152 Resp: 16656
Ion Ratio Lower Upper
152 100
150 161.3 122.2 183.4
115 123.4 54.2 81.4#



#5
2-Fluorophenol
Concen: 73.010 ng
RT: 5.849 min Scan# 419
Delta R.T. 0.021 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Tgt Ion:112 Resp: 72249
Ion Ratio Lower Upper
112 100
64 49.6 49.5 74.3
63 45.2 37.4 56.2

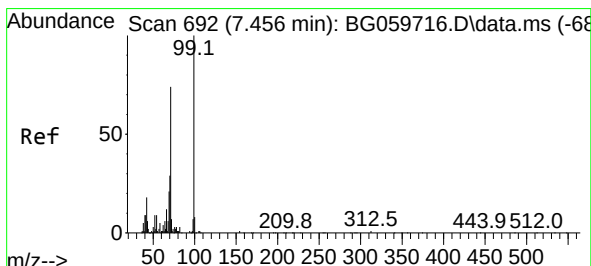
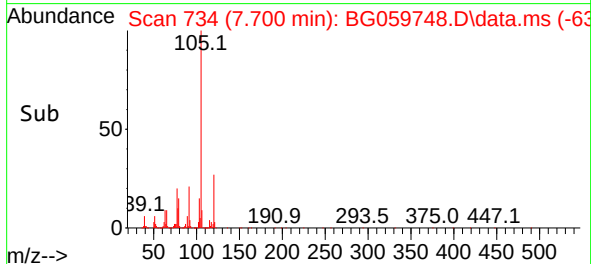
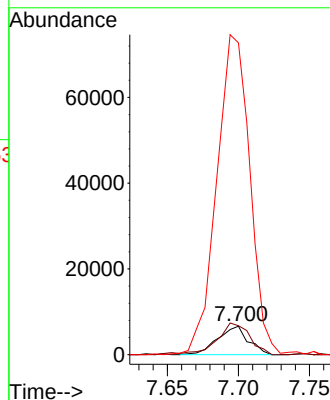
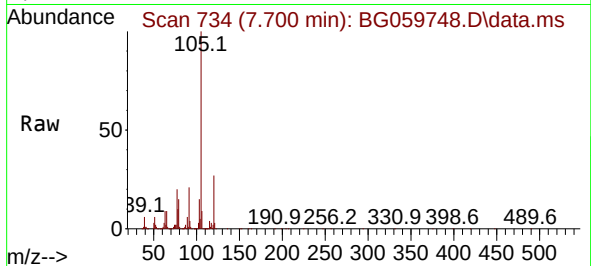




#6
Aniline
Concen: 5.141 ng
RT: 7.700 min Scan# 71
Delta R.T. 0.032 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

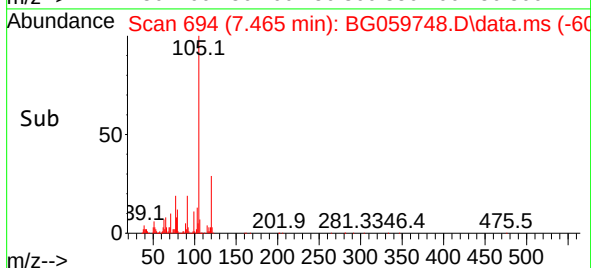
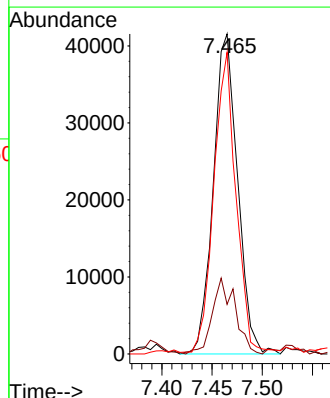
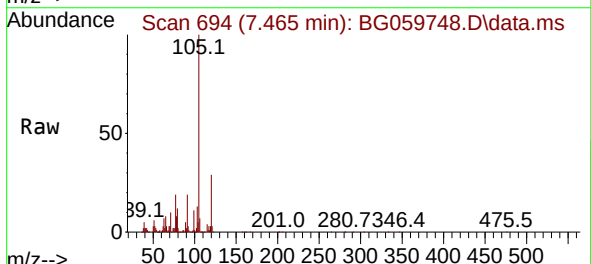
Instrument :
BNA_G
ClientSampleId :

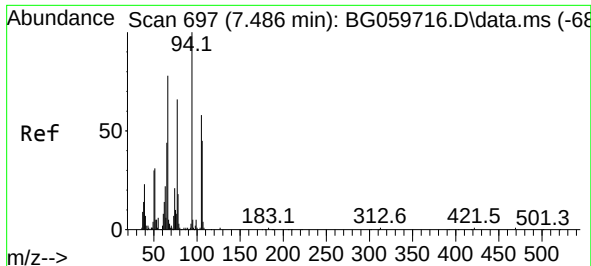
Tgt Ion: 93 Resp: 9950
Ion Ratio Lower Upper
93 100
66 102.1 33.9 50.9#
65 1096.3 15.8 23.8#



#7
Phenol-d6
Concen: 47.702 ng
RT: 7.465 min Scan# 694
Delta R.T. 0.009 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Tgt Ion: 99 Resp: 69953
Ion Ratio Lower Upper
99 100
42 15.5 14.3 21.5
71 94.2 59.3 88.9#

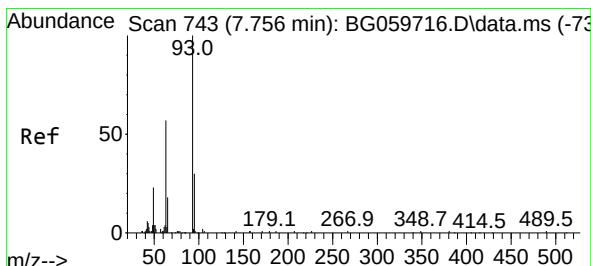
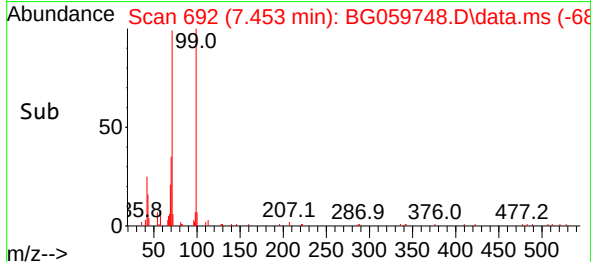
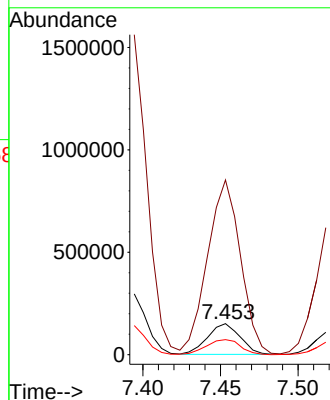
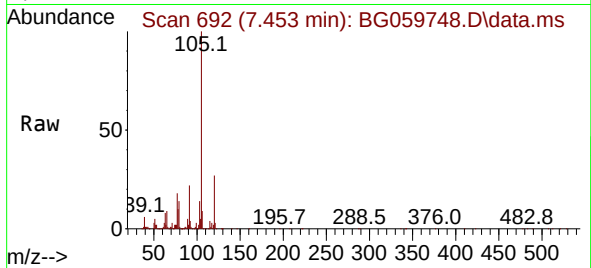




#9
Benzaldehyde
Concen: 219.666 ng
RT: 7.453 min Scan# 697
Delta R.T. -0.032 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

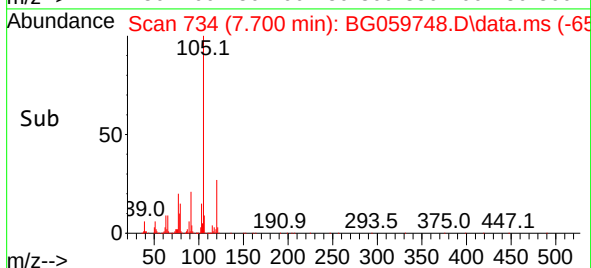
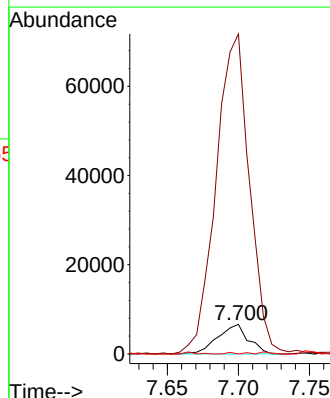
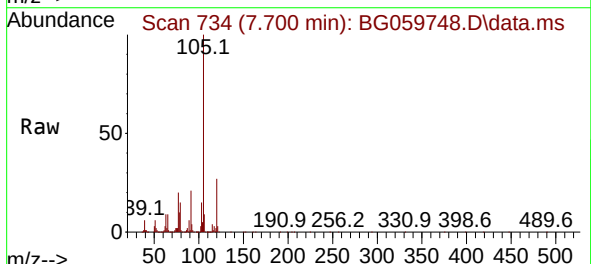
Instrument :
BNA_G
ClientSampleId :

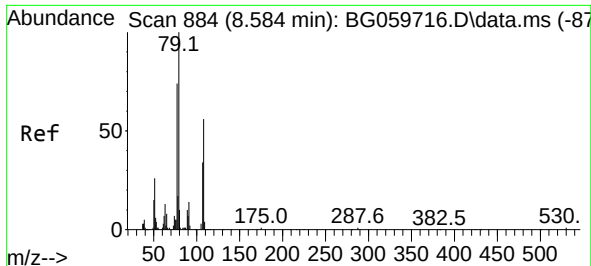
Tgt Ion: 77 Resp: 217747
Ion Ratio Lower Upper
77 100
105 562.7 68.0 108.0#
106 48.3 48.1 88.1



#11
bis(2-Chloroethyl)ether
Concen: 10.575 ng
RT: 7.700 min Scan# 734
Delta R.T. -0.056 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Tgt Ion: 93 Resp: 9950
Ion Ratio Lower Upper
93 100
63 1081.2 37.2 77.2#
95 0.0 10.2 50.2#

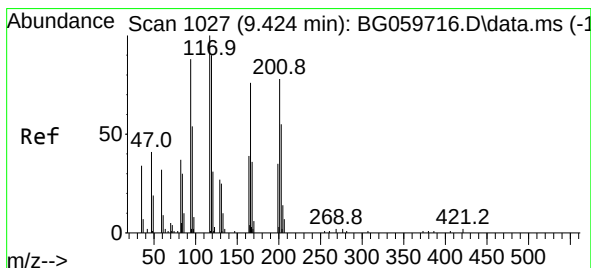
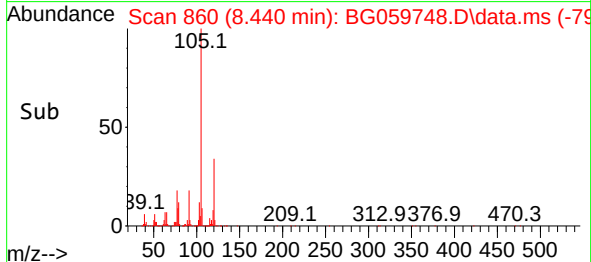
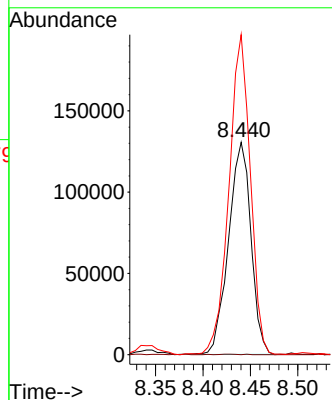
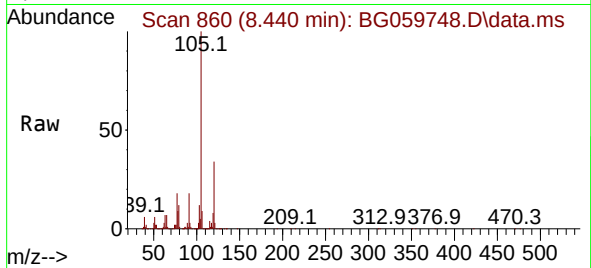




#15
Benzyl Alcohol
Concen: 128.327 ng
RT: 8.440 min Scan# 80
Delta R.T. -0.144 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

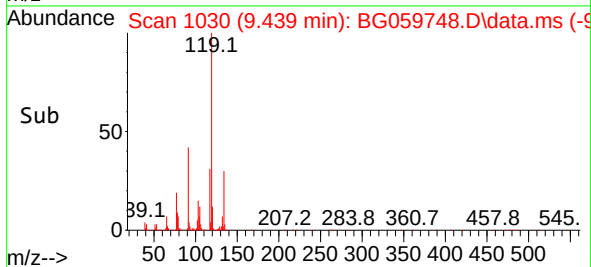
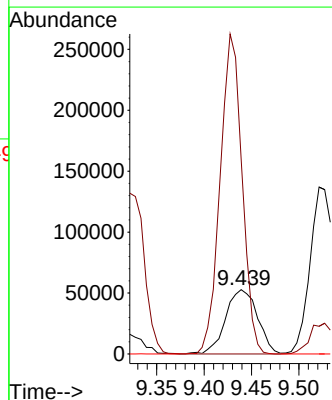
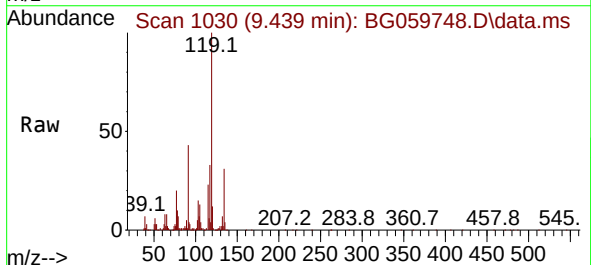
Instrument :
BNA_G
ClientSampleId :

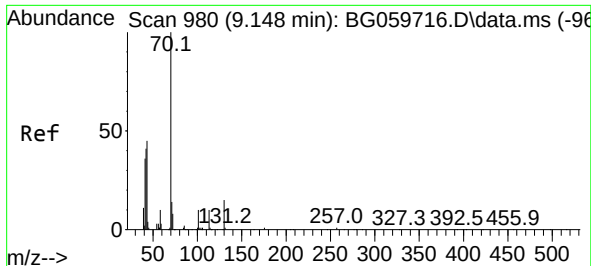
Tgt Ion: 79 Resp: 214597
Ion Ratio Lower Upper
79 100
108 0.0 45.4 68.2#
77 150.7 59.4 89.2#



#18
Hexachloroethane
Concen: 243.763 ng
RT: 9.439 min Scan# 1030
Delta R.T. 0.015 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Tgt Ion: 117 Resp: 123894
Ion Ratio Lower Upper
117 100
119 302.4 71.8 107.8#
201 0.0 62.2 93.4#

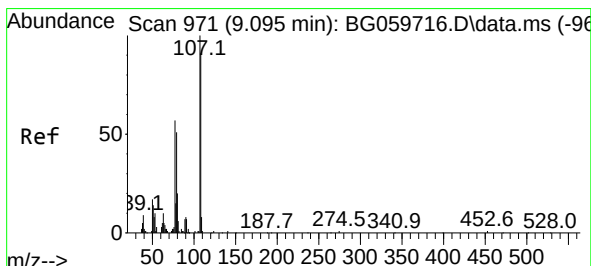
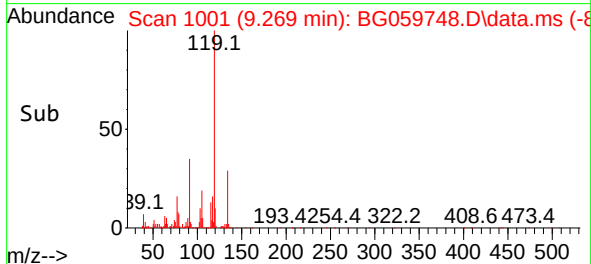
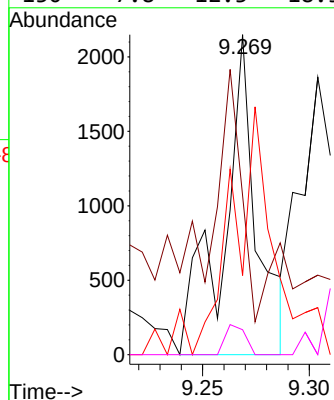
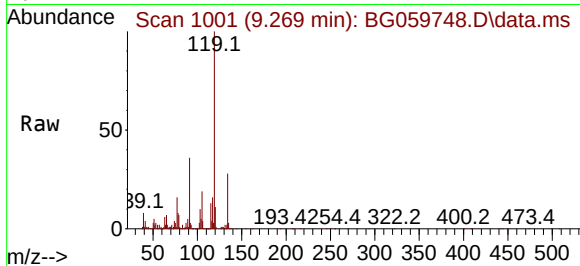




#19
n-Nitroso-di-n-propylamine
Concen: 2.024 ng
RT: 9.269 min Scan# 1001
Delta R.T. 0.120 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

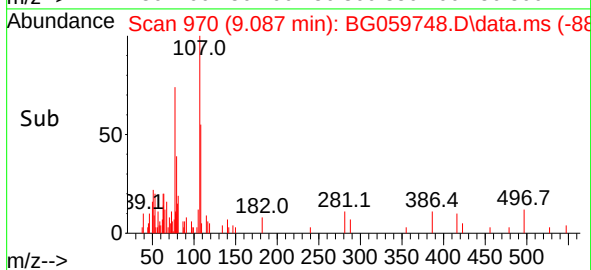
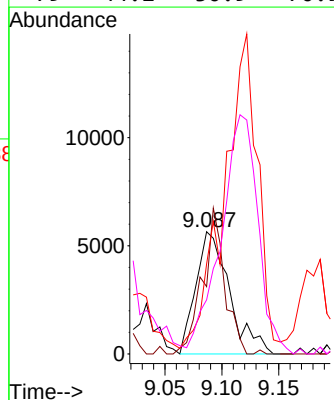
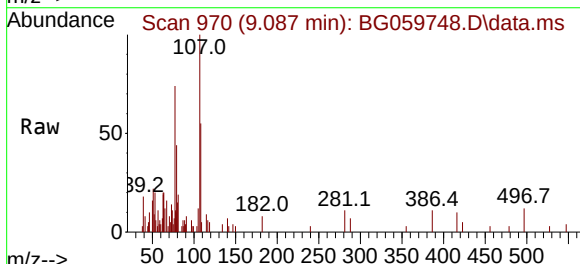
Instrument :
BNA_G
ClientSampleId :

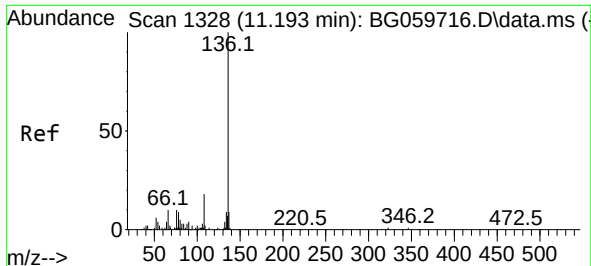
Tgt Ion: 70	Resp: 2337
Ion Ratio	Lower Upper
70 100	
42 49.7	32.8 49.2#
101 24.8	7.7 11.5#
130 7.8	12.3 18.5#



#20
3+4-Methylphenols
Concen: 7.540 ng
RT: 9.087 min Scan# 970
Delta R.T. -0.009 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Tgt Ion: 107	Resp: 11653
Ion Ratio	Lower Upper
107 100	
108 55.2	71.1 111.1#
77 73.6	37.5 77.5
79 44.2	30.9 70.9

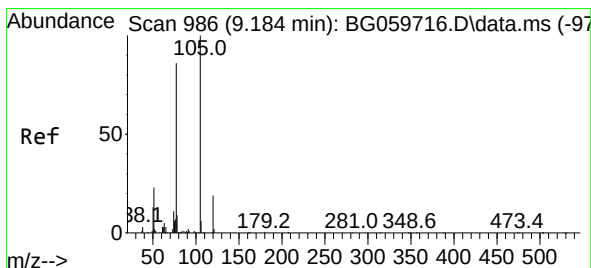
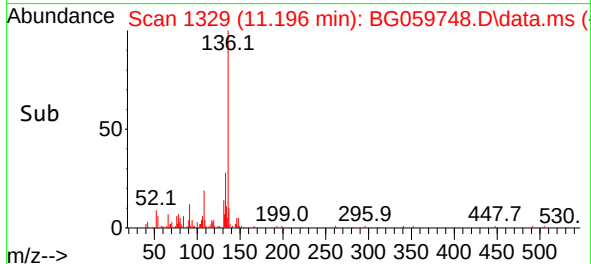
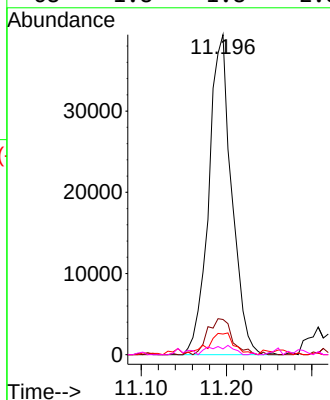
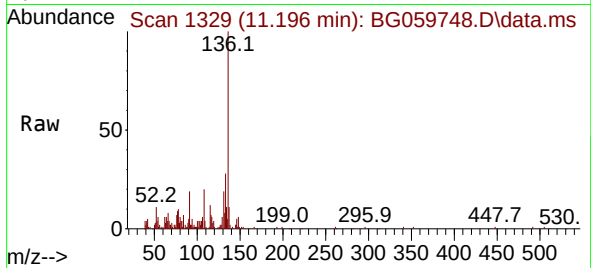




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.196 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

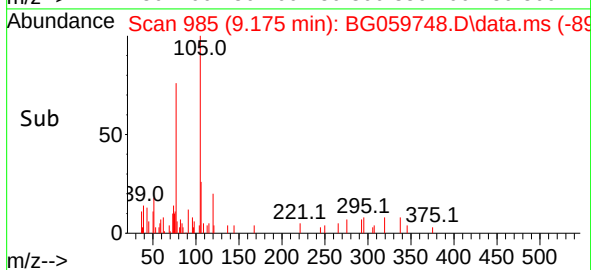
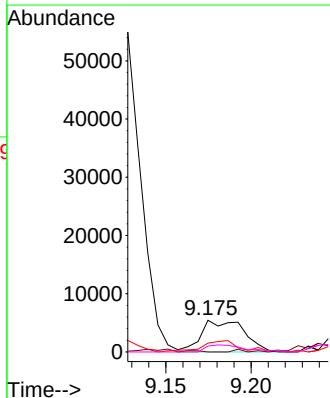
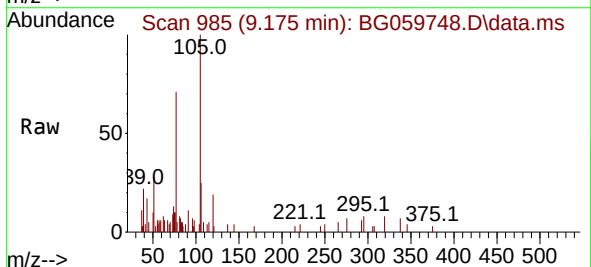
Instrument :
BNA_G
ClientSampleId :

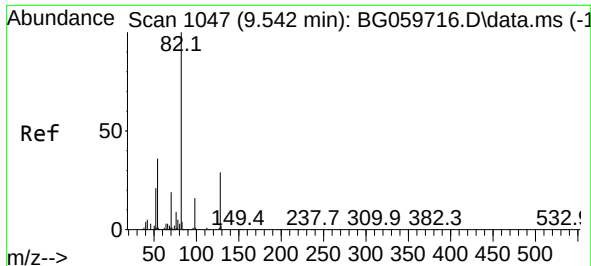
Tgt Ion:136 Resp: 73687
Ion Ratio Lower Upper
136 100
137 11.0 7.4 11.0
54 6.5 3.1 4.7#
68 1.8 1.8 2.8#



#22
Acetophenone
Concen: 4.555 ng
RT: 9.175 min Scan# 985
Delta R.T. -0.009 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Tgt Ion:105 Resp: 9502
Ion Ratio Lower Upper
105 100
71 0.0 0.0 0.0
51 27.8 18.4 27.6#
120 18.8 15.0 22.6

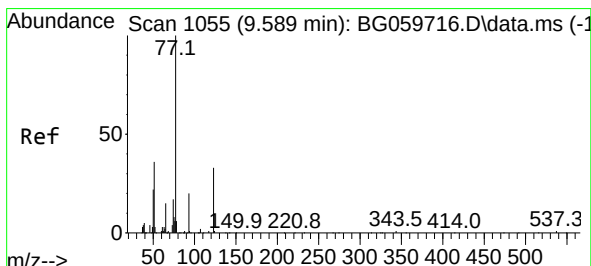
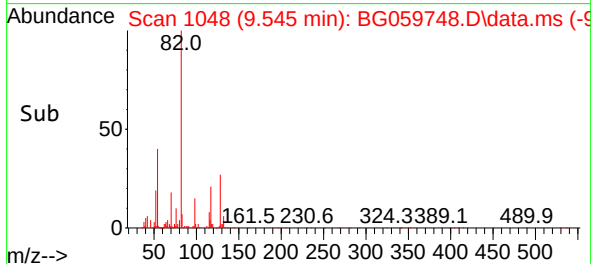
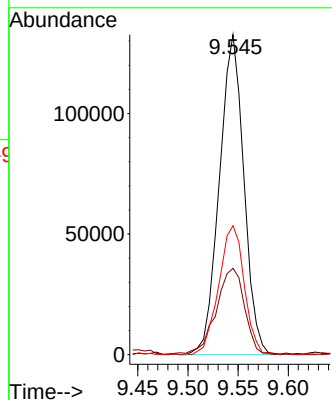
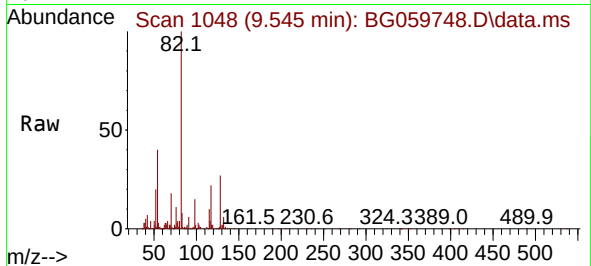




#23
Nitrobenzene-d5
Concen: 116.436 ng
RT: 9.545 min Scan# 1047
Delta R.T. 0.003 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

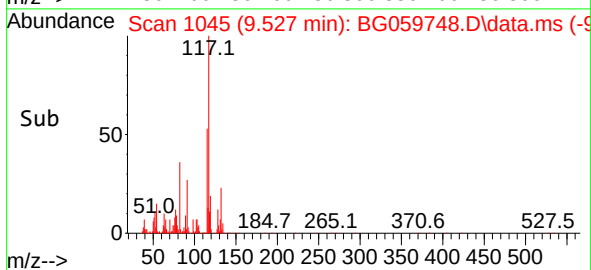
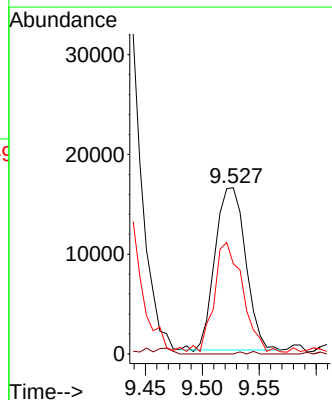
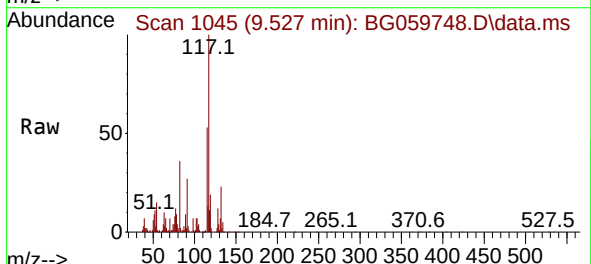
Instrument :
BNA_G
ClientSampleId :

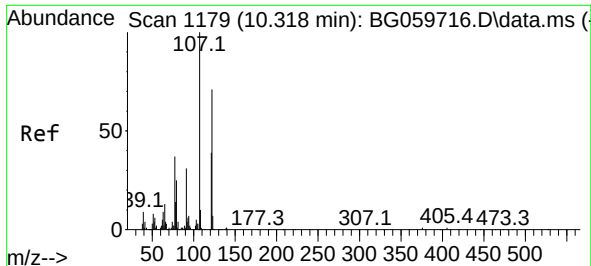
Tgt Ion: 82 Resp: 224650
Ion Ratio Lower Upper
82 100
128 27.0 23.0 34.6
54 40.3 28.7 43.1



#24
Nitrobenzene
Concen: 17.131 ng
RT: 9.527 min Scan# 1045
Delta R.T. -0.062 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Tgt Ion: 77 Resp: 30441
Ion Ratio Lower Upper
77 100
123 0.0 26.1 39.1#
65 54.3 12.1 18.1#





#27

2,4-Dimethylphenol

Concen: 14.245 ng

RT: 10.320 min Scan# 1180

Delta R.T. 0.003 min

Lab File: BG059748.D

Acq: 18 Nov 2023 3:04

Instrument :

BNA_G

ClientSampleId :

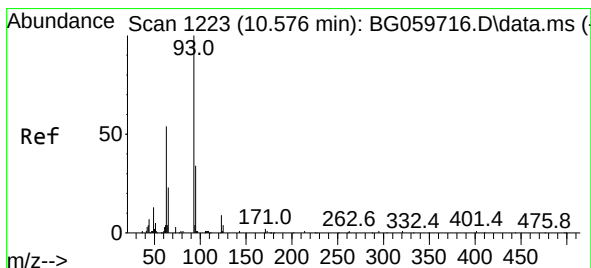
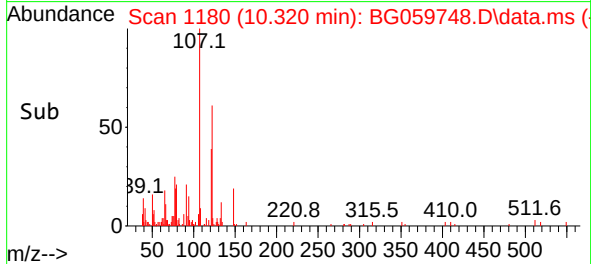
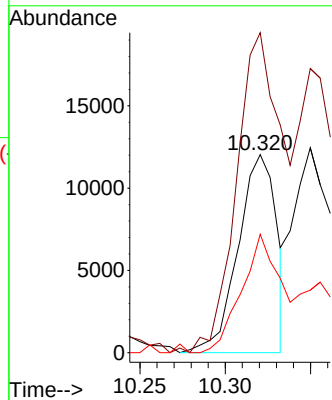
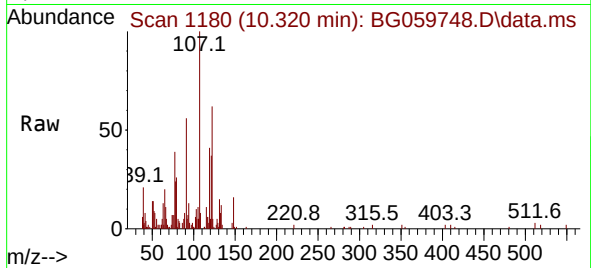
Tgt Ion:122 Resp: 18869

Ion Ratio Lower Upper

122 100

107 161.5 112.1 168.1

121 59.7 43.2 64.8



#28

bis(2-Chloroethoxy)methane

Concen: 2.142 ng

RT: 10.591 min Scan# 1226

Delta R.T. 0.015 min

Lab File: BG059748.D

Acq: 18 Nov 2023 3:04

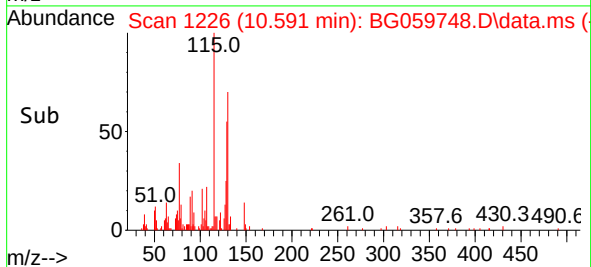
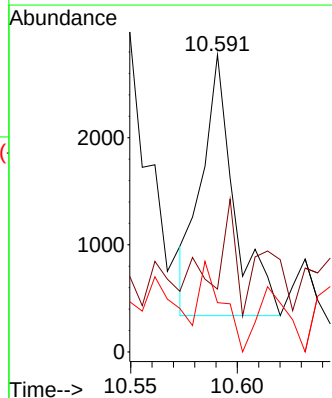
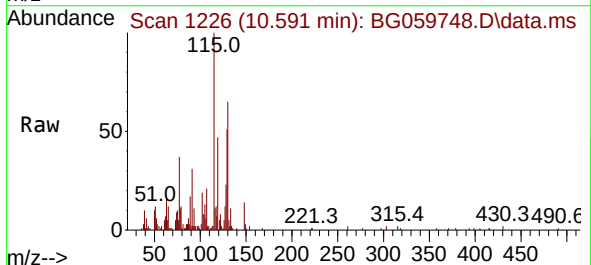
Tgt Ion: 93 Resp: 2607

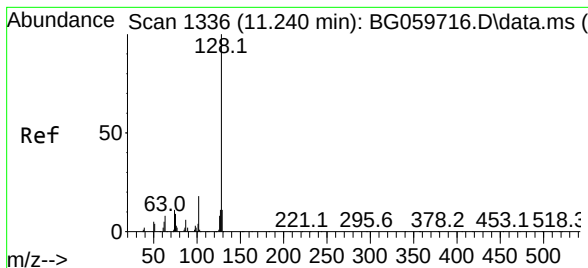
Ion Ratio Lower Upper

93 100

95 21.2 27.0 40.6#

123 16.6 7.6 11.4#

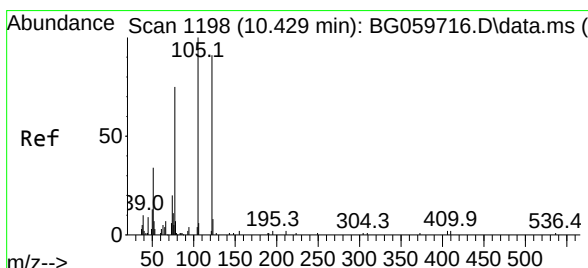
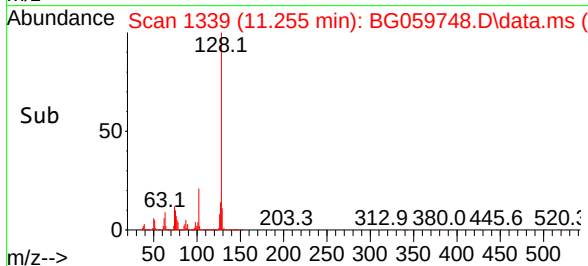
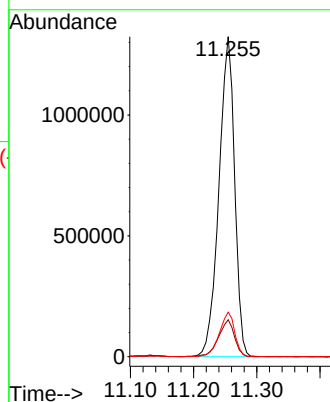
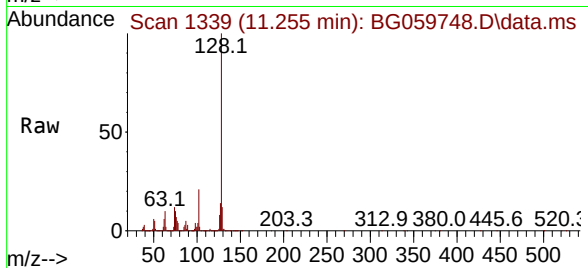




#31
Naphthalene
Concen: 616.549 ng
RT: 11.255 min Scan# 11185
Delta R.T. 0.015 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

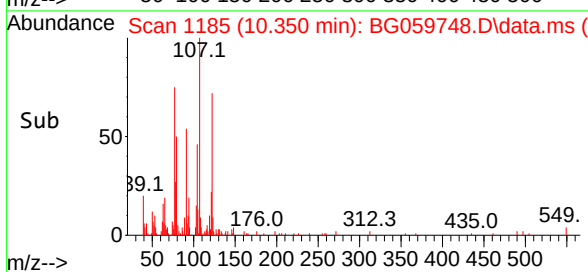
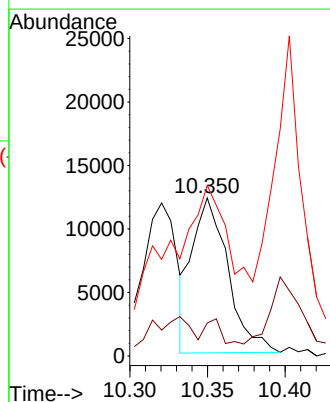
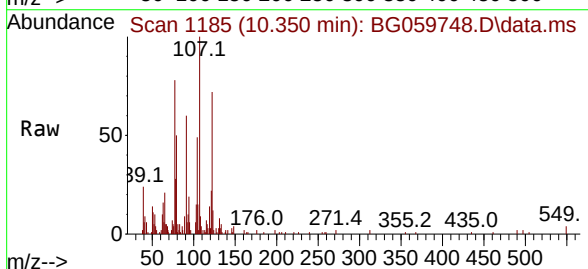
Instrument :
BNA_G
ClientSampleId :

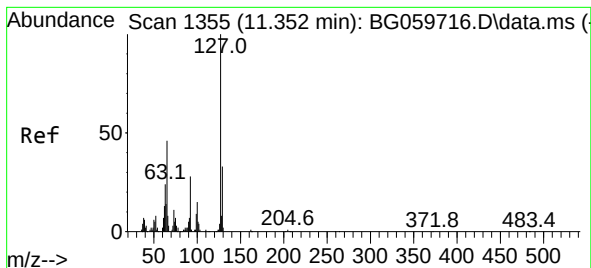
Tgt Ion:128 Resp: 2284487
Ion Ratio Lower Upper
128 100
129 11.5 8.7 13.1
127 13.9 9.2 13.8#



#32
Benzoic acid
Concen: 21.849 ng
RT: 10.350 min Scan# 1185
Delta R.T. -0.079 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Tgt Ion:122 Resp: 19696
Ion Ratio Lower Upper
122 100
105 20.8 103.7 143.7#
77 107.8 82.3 122.3

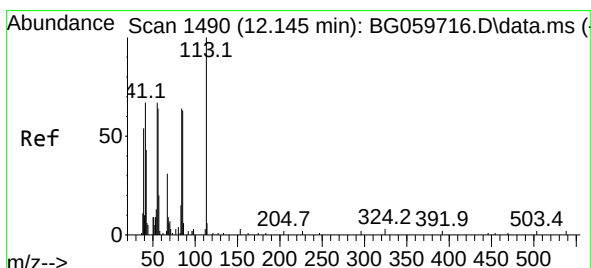
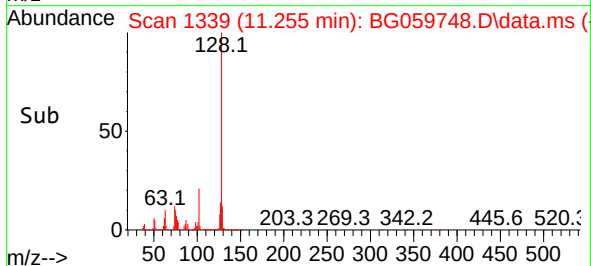
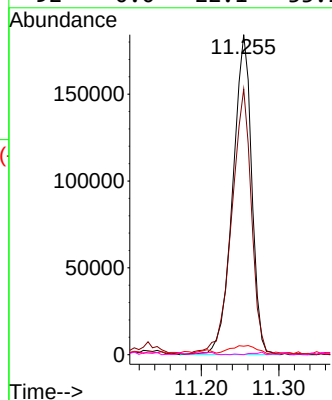
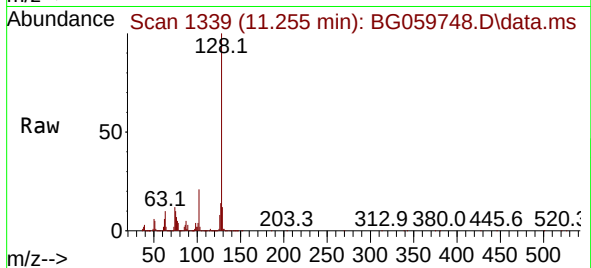




#33
4-Chloroaniline
Concen: 198.399 ng
RT: 11.255 min Scan# 11
Delta R.T. -0.097 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

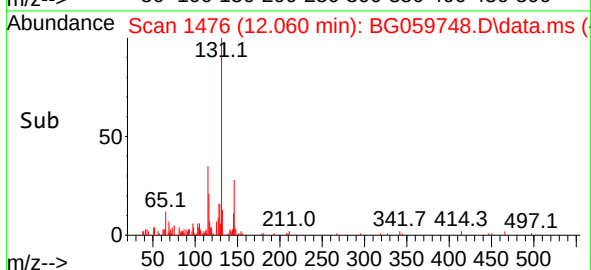
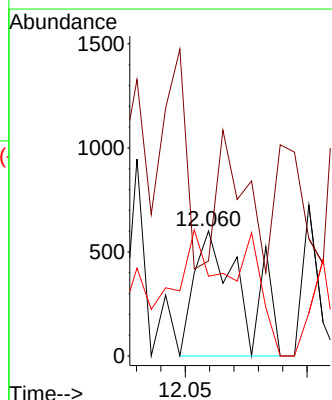
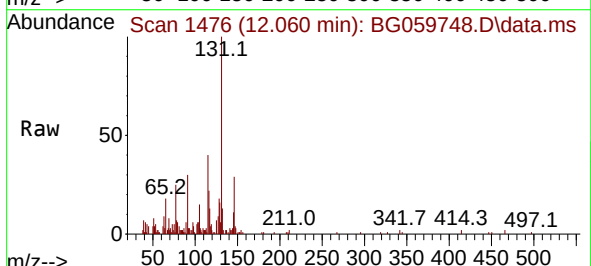
Instrument :
BNA_G
ClientSampleId :

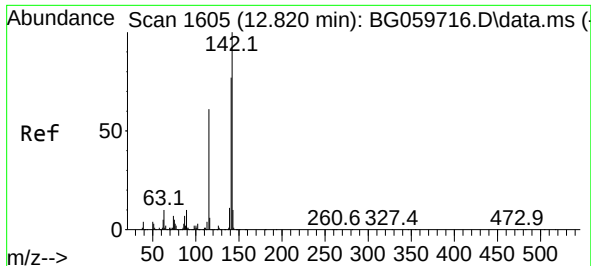
Tgt Ion:127 Resp: 312677
Ion Ratio Lower Upper
127 100
129 83.0 26.8 40.2#
65 2.6 36.5 54.7#
92 0.0 22.1 33.1#



#35
Caprolactam
Concen: 2.006 ng
RT: 12.060 min Scan# 1476
Delta R.T. -0.085 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Tgt Ion:113 Resp: 829
Ion Ratio Lower Upper
113 100
55 55.3 47.1 87.1
56 46.4 43.7 83.7





#37

2-Methylnaphthalene

Concen: 115.452 ng

RT: 12.823 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG059748.D

Acq: 18 Nov 2023 3:04

Instrument :

BNA_G

ClientSampleId :

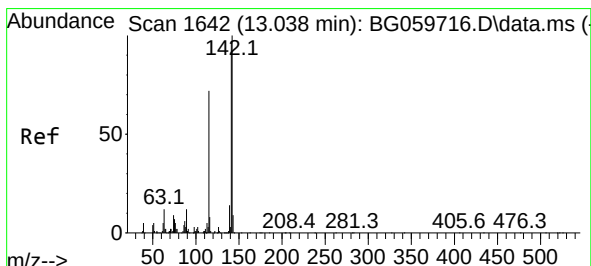
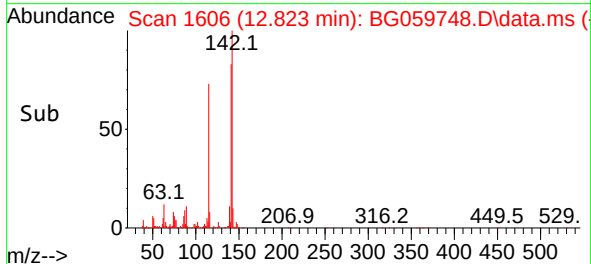
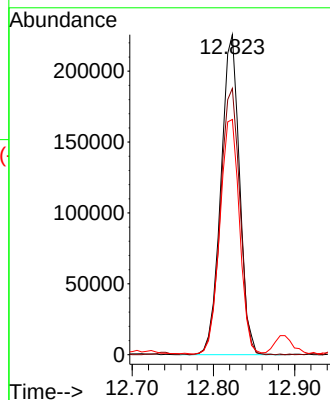
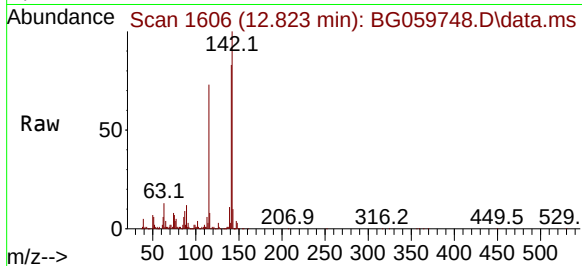
Tgt Ion:142 Resp: 360294

Ion Ratio Lower Upper

142 100

141 83.2 61.9 92.9

115 73.5 49.0 73.4#



#38

1-Methylnaphthalene

Concen: 125.194 ng

RT: 12.823 min Scan# 1606

Delta R.T. -0.215 min

Lab File: BG059748.D

Acq: 18 Nov 2023 3:04

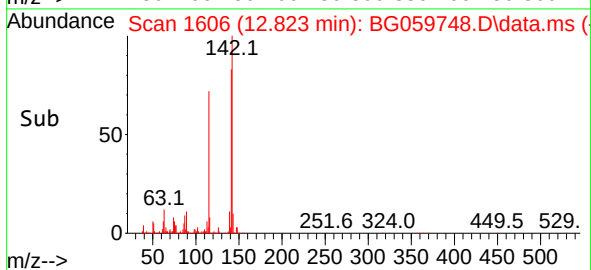
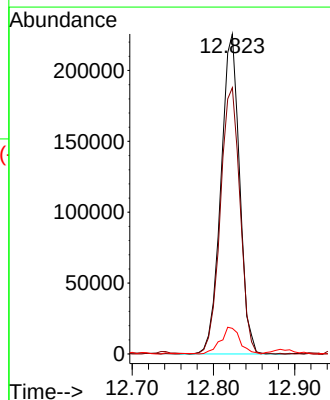
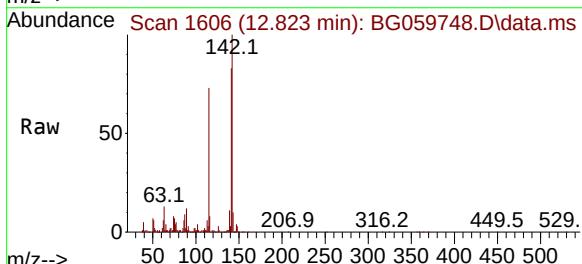
Tgt Ion:142 Resp: 360294

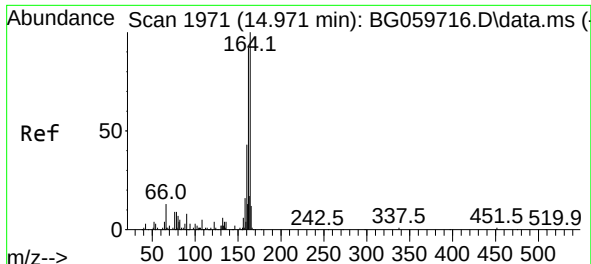
Ion Ratio Lower Upper

142 100

141 83.2 77.8 116.8

116 8.0 6.2 9.2

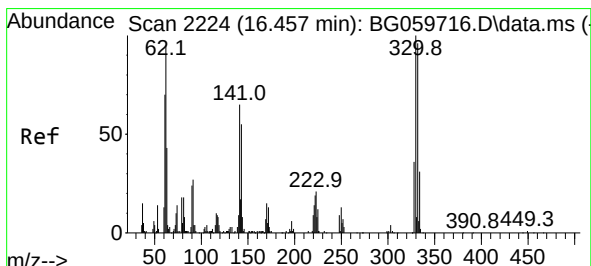
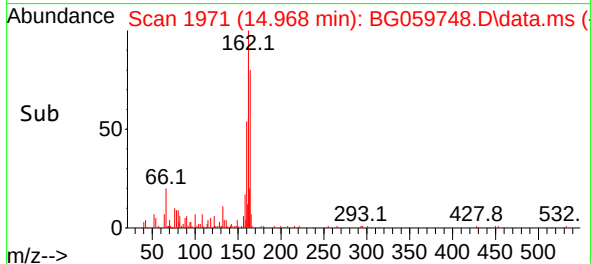
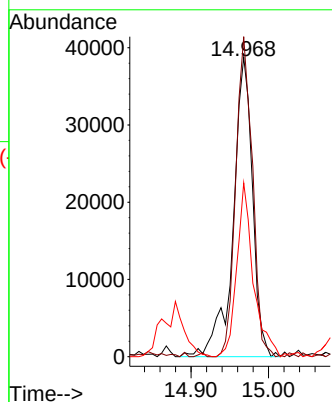
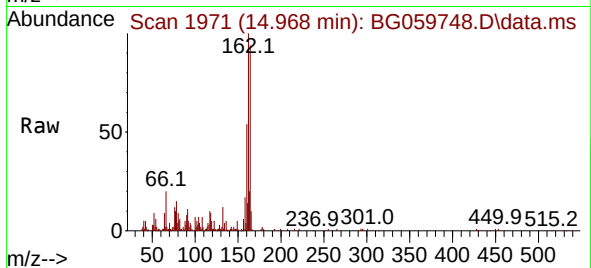




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.968 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

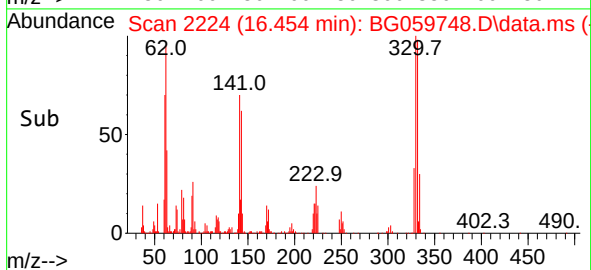
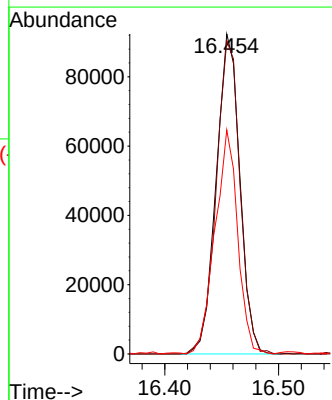
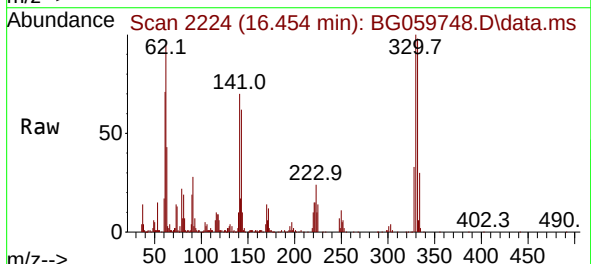
Instrument :
BNA_G
ClientSampleId :

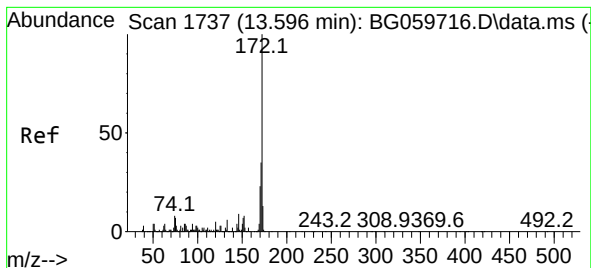
Tgt Ion:164 Resp: 67513
Ion Ratio Lower Upper
164 100
162 106.8 73.3 109.9
160 58.0 34.1 51.1#



#42
2,4,6-Tribromophenol
Concen: 173.829 ng
RT: 16.454 min Scan# 2224
Delta R.T. -0.003 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Tgt Ion:330 Resp: 133156
Ion Ratio Lower Upper
330 100
332 98.5 73.3 109.9
141 67.5 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 91.012 ng

RT: 13.593 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG059748.D

Acq: 18 Nov 2023 3:04

Instrument :

BNA_G

ClientSampleId :

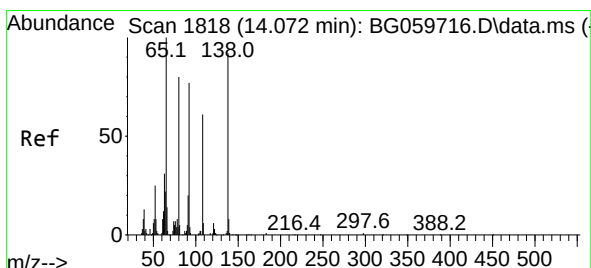
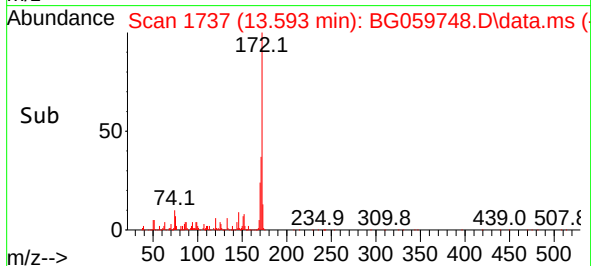
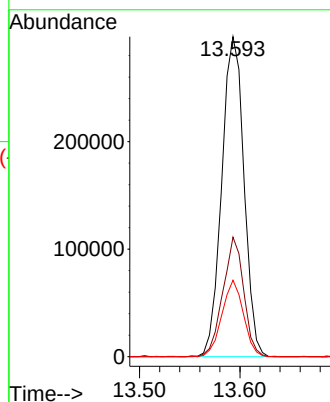
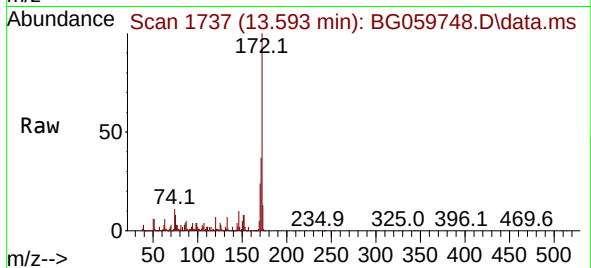
Tgt Ion:172 Resp: 456484

Ion Ratio Lower Upper

172 100

171 37.4 27.7 41.5

170 23.9 18.4 27.6



#48

2-Nitroaniline

Concen: 8.967 ng

RT: 14.069 min Scan# 1818

Delta R.T. -0.003 min

Lab File: BG059748.D

Acq: 18 Nov 2023 3:04

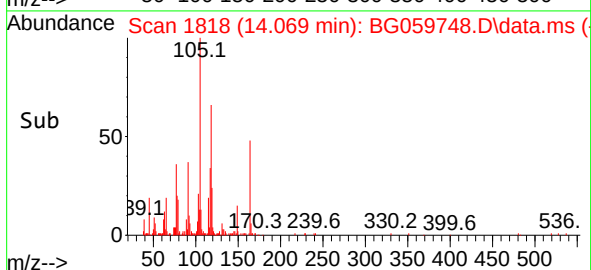
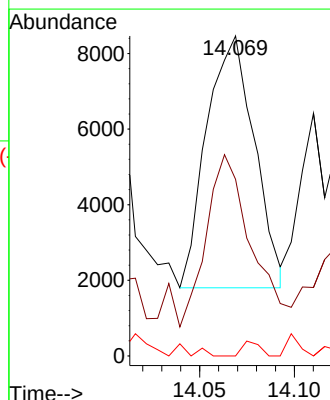
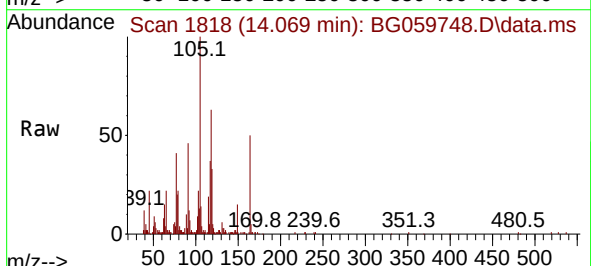
Tgt Ion: 65 Resp: 11657

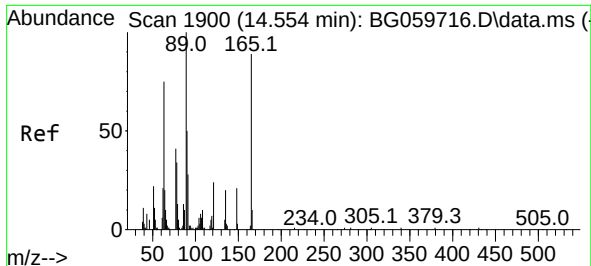
Ion Ratio Lower Upper

65 100

92 55.2 61.2 91.8#

138 0.0 73.8 110.6#

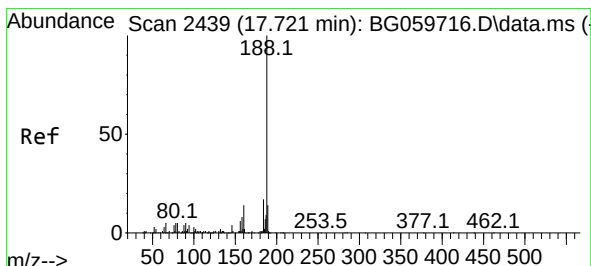
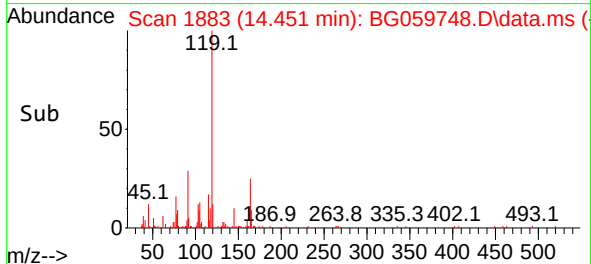
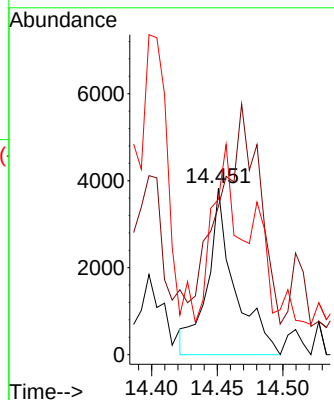
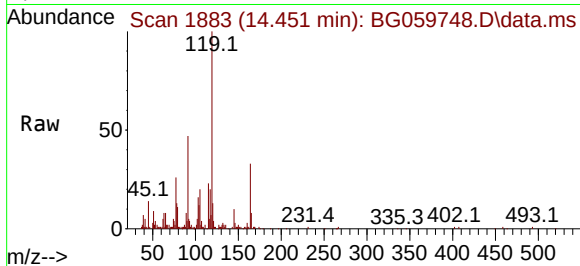




#51
2,6-Dinitrotoluene
Concen: 5.564 ng
RT: 14.451 min Scan# 1883
Delta R.T. -0.103 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

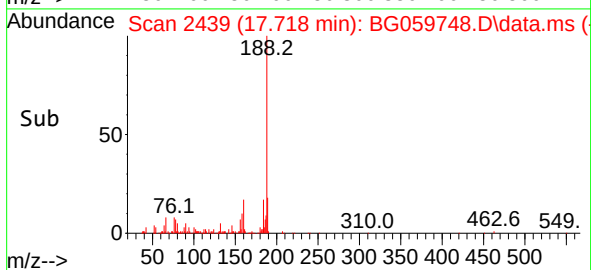
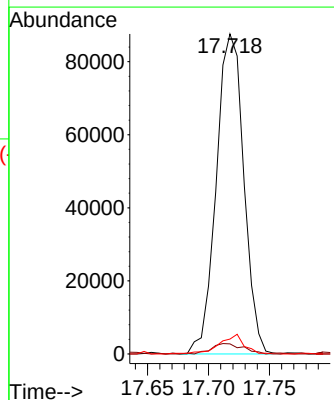
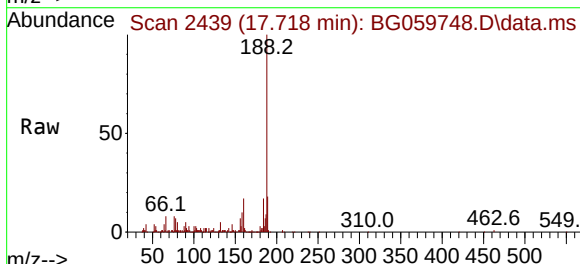
Instrument :
BNA_G
ClientSampleId :

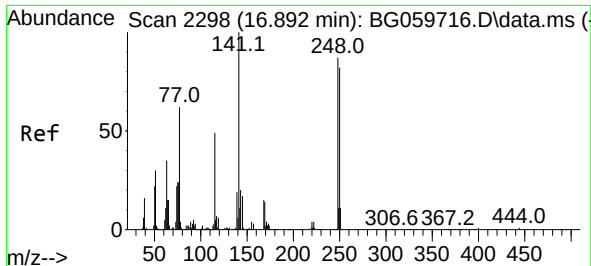
Tgt Ion:165 Resp: 5522
Ion Ratio Lower Upper
165 100
63 89.2 75.3 112.9
89 93.4 90.9 136.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.718 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

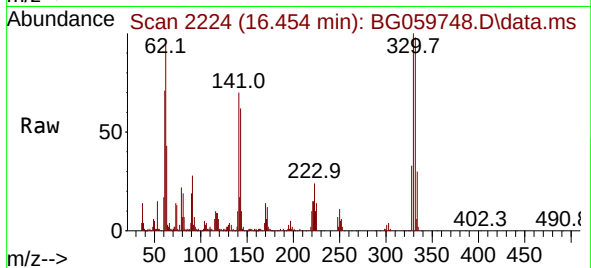
Tgt Ion:188 Resp: 137543
Ion Ratio Lower Upper
188 100
94 3.2 3.0 4.4
80 4.6 4.2 6.4



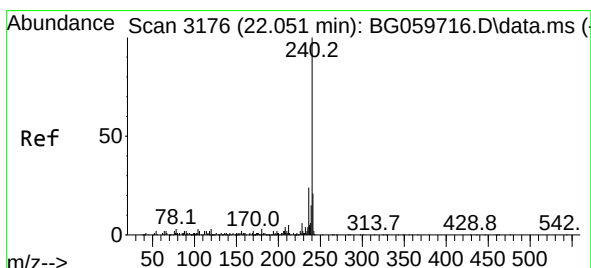
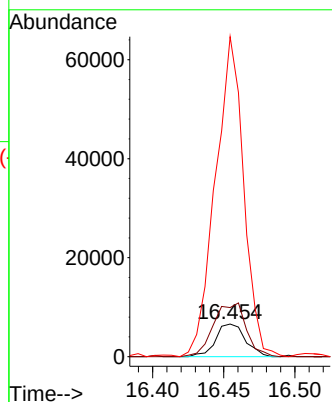
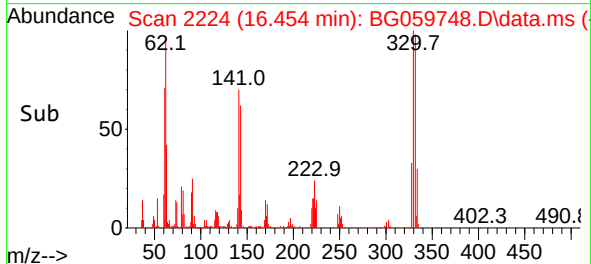


#67
4-Bromophenyl-phenylether
Concen: 6.481 ng
RT: 16.454 min Scan# 21
Delta R.T. -0.438 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Instrument :
BNA_G
ClientSampleId :

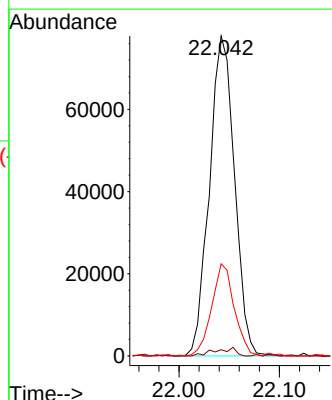
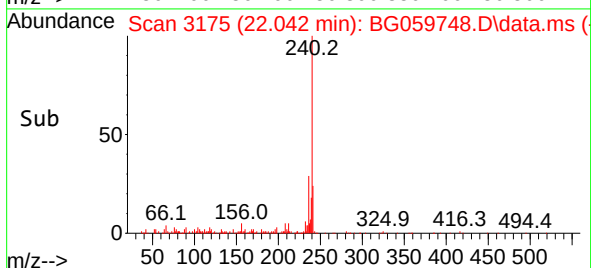
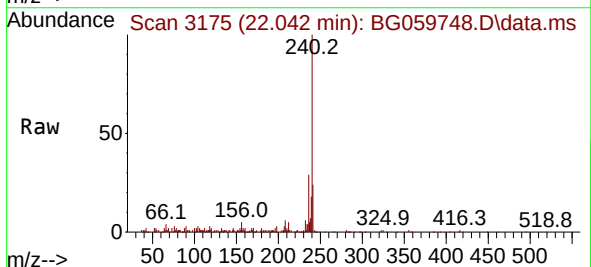


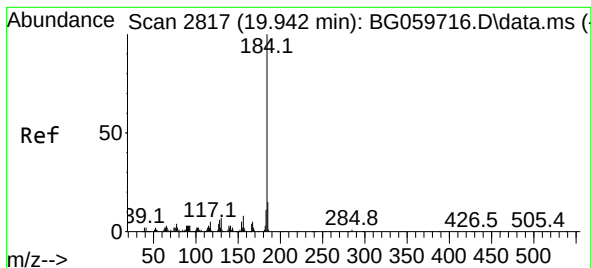
Tgt Ion:248 Resp: 9577
Ion Ratio Lower Upper
248 100
250 150.4 75.2 112.8#
141 978.9 91.5 137.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.042 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Tgt Ion:240 Resp: 135301
Ion Ratio Lower Upper
240 100
120 2.0 2.2 3.2#
236 28.8 19.4 29.2





#77

Benzidine

Concen: 9.494 ng

RT: 20.297 min Scan# 2817

Delta R.T. 0.355 min

Lab File: BG059748.D

Acq: 18 Nov 2023 3:04

Instrument :

BNA_G

ClientSampleId :

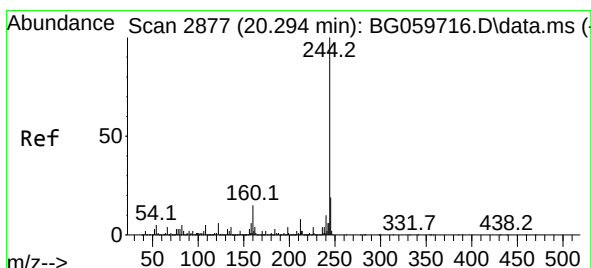
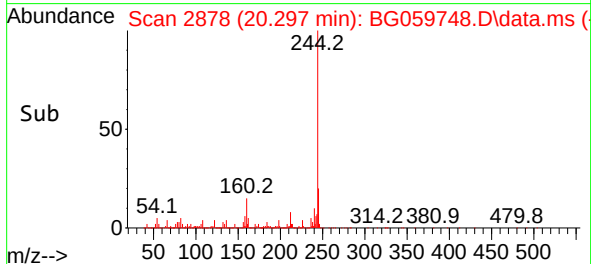
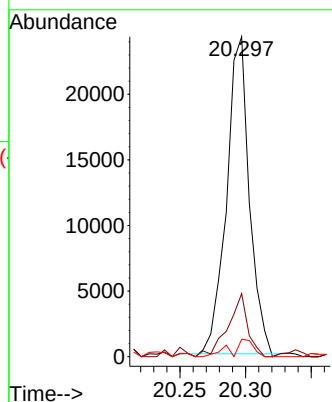
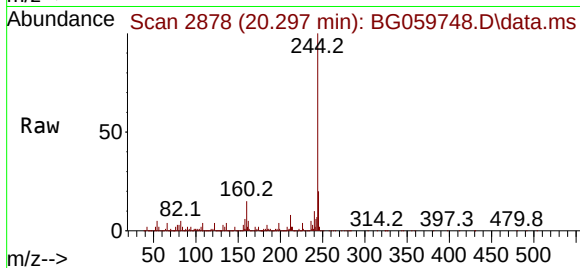
Tgt Ion:184 Resp: 29127

Ion Ratio Lower Upper

184 100

185 19.7 12.2 18.2#

183 5.4 8.8 13.2#



#79

Terphenyl-d14

Concen: 104.969 ng

RT: 20.297 min Scan# 2878

Delta R.T. 0.003 min

Lab File: BG059748.D

Acq: 18 Nov 2023 3:04

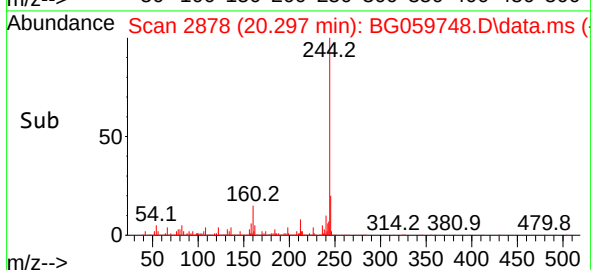
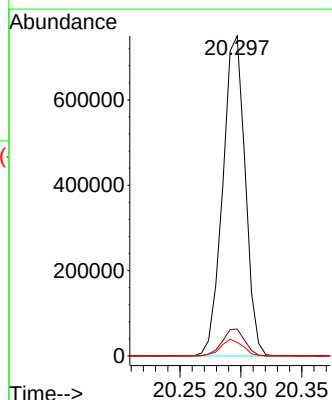
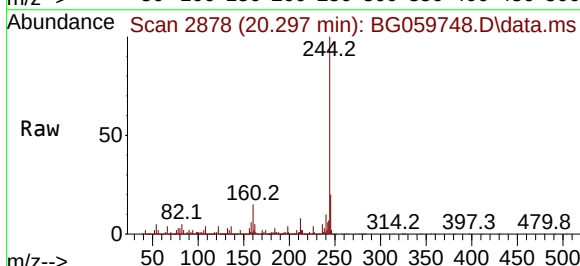
Tgt Ion:244 Resp: 962058

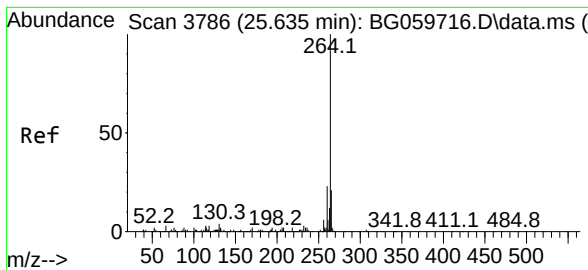
Ion Ratio Lower Upper

244 100

212 8.4 6.6 10.0

122 4.2 4.4 6.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.620 min Scan# 31
Delta R.T. -0.015 min
Lab File: BG059748.D
Acq: 18 Nov 2023 3:04

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:264 Resp: 156231

Ion	Ratio	Lower	Upper
264	100		
260	25.1	18.5	27.7
265	18.9	17.0	25.6

