

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
 Data File : BG057776.D
 Acq On : 20 Jun 2023 14:49
 Operator : CG/JU
 Sample : 03287-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-1-061523

Quant Time: Jun 20 15:49:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

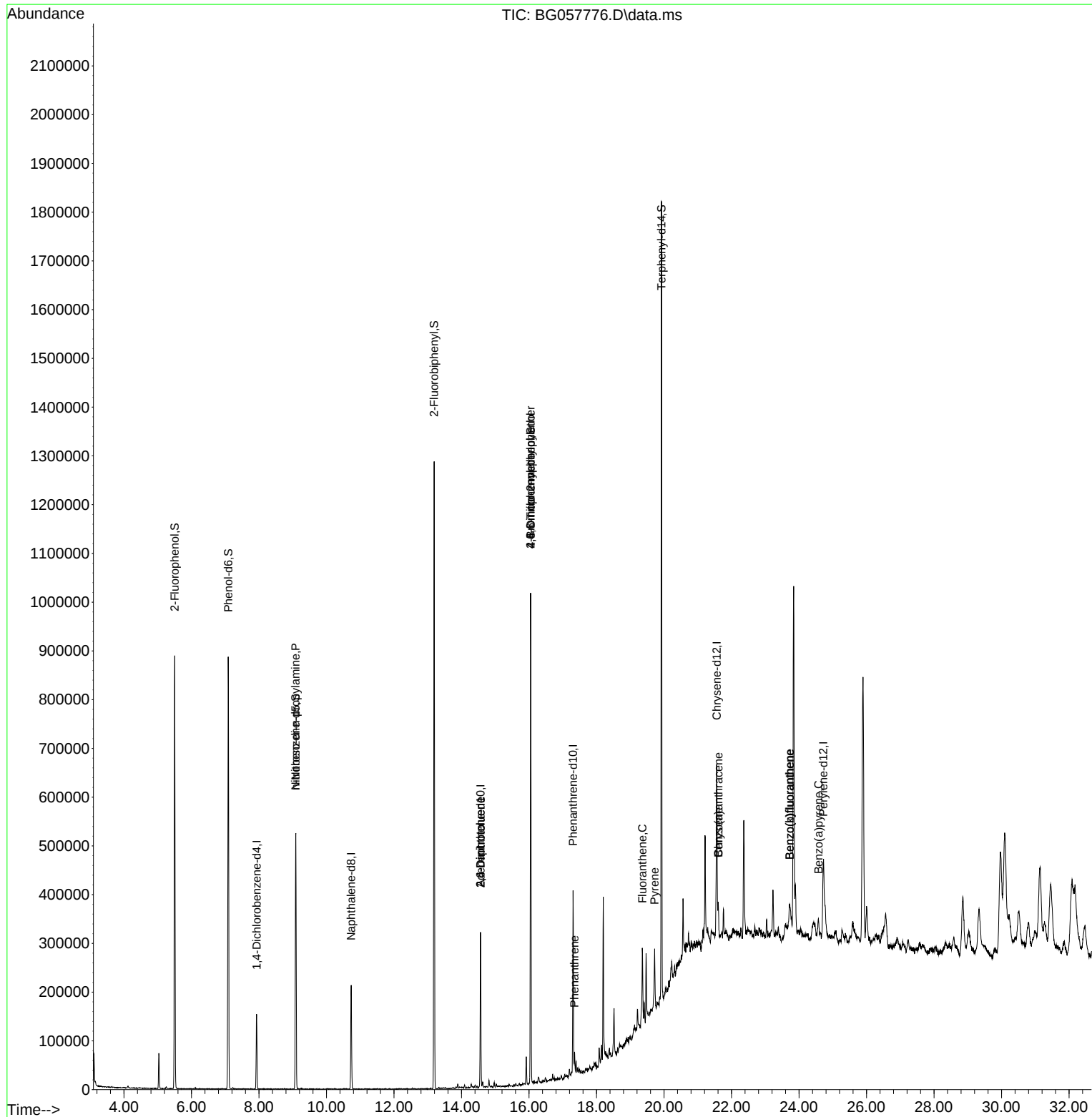
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	40475	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	171652	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	110424	20.000	ng	0.00
64) Phenanthrene-d10	17.306	188	233521	20.000	ng	0.00
76) Chrysene-d12	21.560	240	187305	20.000	ng	0.00
86) Perylene-d12	24.721	264	218734	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	358619	136.617	ng	0.00
7) Phenol-d6	7.089	99	503792	125.780	ng	0.00
23) Nitrobenzene-d5	9.086	82	318165	95.131	ng	0.00
42) 2,4,6-Tribromophenol	16.049	330	195009	126.778	ng	0.00
45) 2-Fluorobiphenyl	13.188	172	675938	92.844	ng	0.00
79) Terphenyl-d14	19.927	244	878696	87.476	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.086	70	40106	14.362	ng	# 75
51) 2,6-Dinitrotoluene	14.562	165	14891	9.535	ng	# 19
57) 2,4-Dinitrotoluene	14.562	165	14891	7.031	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.049	198	494	5.721	ng	# 1
67) 4-Bromophenyl-phenylether	16.049	248	12438	5.022	ng	# 1
71) Phenanthrene	17.347	178	24246	2.144	ng	96
75) Fluoranthene	19.357	202	74130	5.503	ng	98
78) Pyrene	19.721	202	71434	5.346	ng	97
81) Benzo(a)anthracene	21.607	228	48966	3.810	ng	94
83) Chrysene	21.607	228	48966	3.970	ng	# 96
88) Benzo(b)fluoranthene	23.722	252	70299	5.865	ng	# 85
89) Benzo(k)fluoranthene	23.722	252	70299	5.759	ng	# 87
90) Benzo(a)pyrene	24.574	252	45627	3.876	ng	# 83

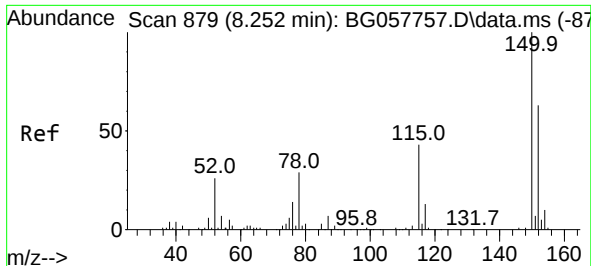
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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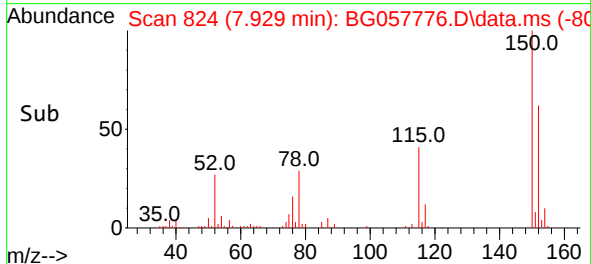
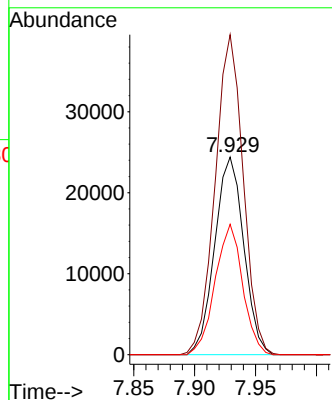
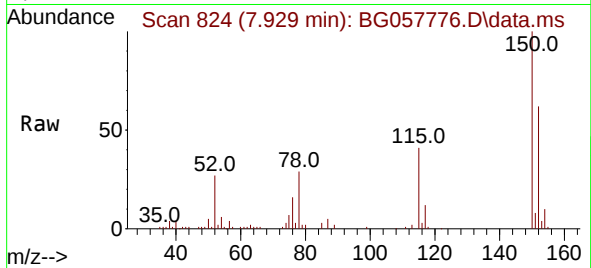




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

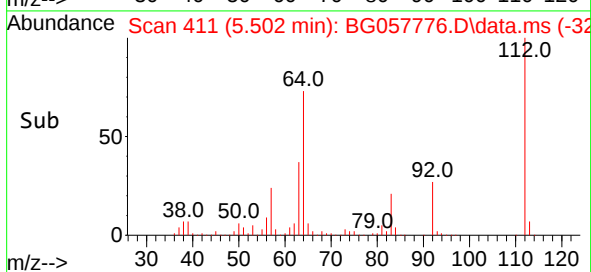
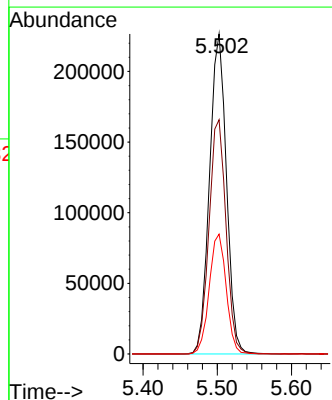
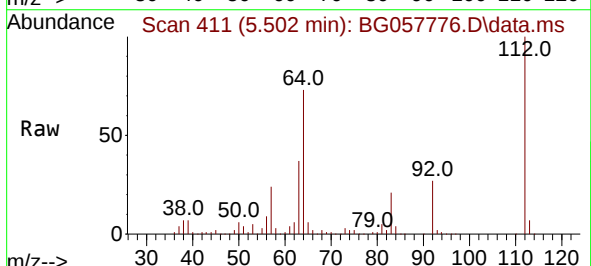
Instrument :
BNA_G
ClientSampleId :
OK-1-061523

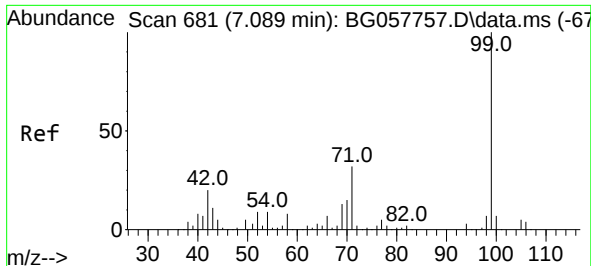
Tgt Ion:152 Resp: 40475
Ion Ratio Lower Upper
152 100
150 161.9 126.6 189.8
115 66.0 48.9 73.3



#5
2-Fluorophenol
Concen: 136.617 ng
RT: 5.502 min Scan# 411
Delta R.T. 0.005 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

Tgt Ion:112 Resp: 358619
Ion Ratio Lower Upper
112 100
64 73.2 62.1 93.1
63 37.4 31.5 47.3

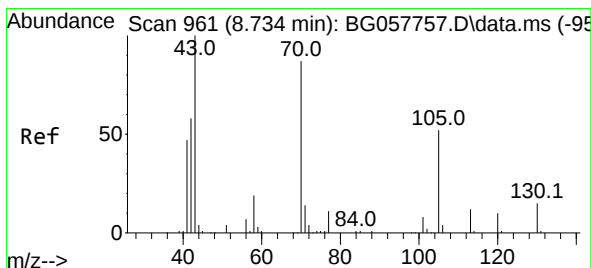
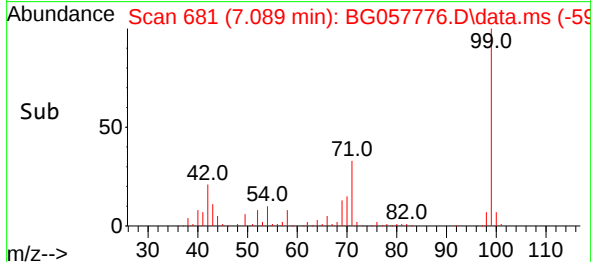
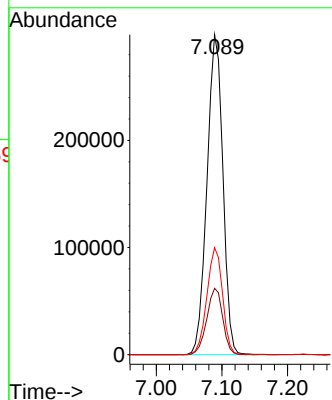
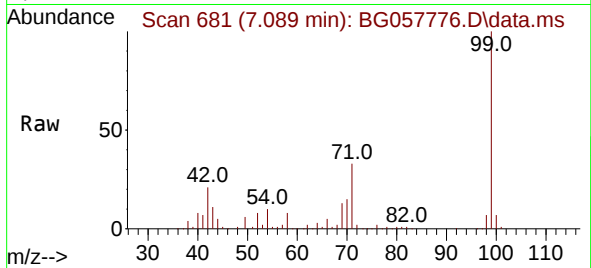




#7
Phenol-d6
Concen: 125.780 ng
RT: 7.089 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

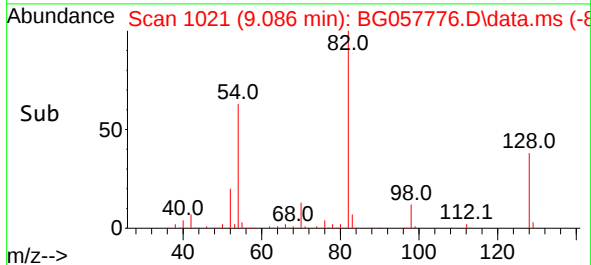
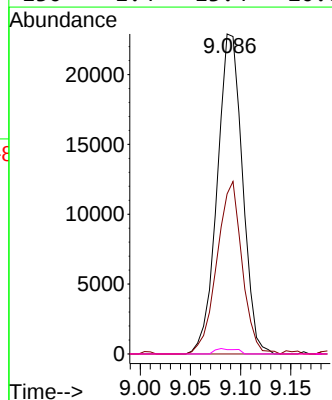
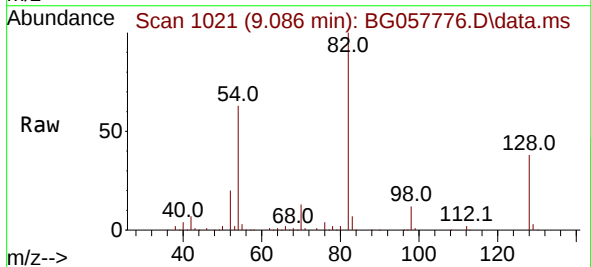
Instrument :
BNA_G
ClientSampleId :
OK-1-061523

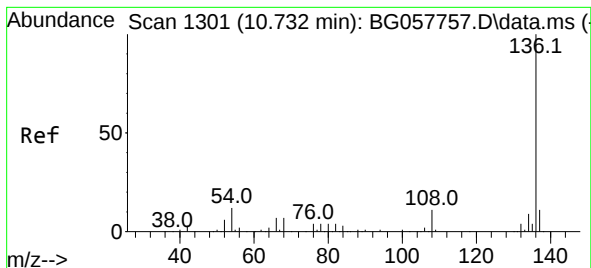
Tgt Ion: 99 Resp: 503792
Ion Ratio Lower Upper
99 100
42 20.8 16.4 24.6
71 33.5 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.362 ng
RT: 9.086 min Scan# 1021
Delta R.T. 0.352 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

Tgt Ion: 70 Resp: 40106
Ion Ratio Lower Upper
70 100
42 50.0 54.2 81.2#
101 0.0 7.4 11.0#
130 1.4 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.732 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG057776.D

Acq: 20 Jun 2023 14:49

Instrument :

BNA_G

ClientSampleId :

OK-1-061523

Tgt Ion:136 Resp: 171652

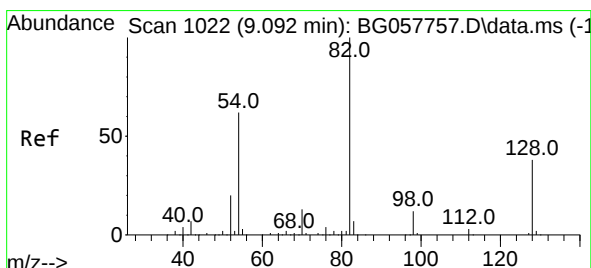
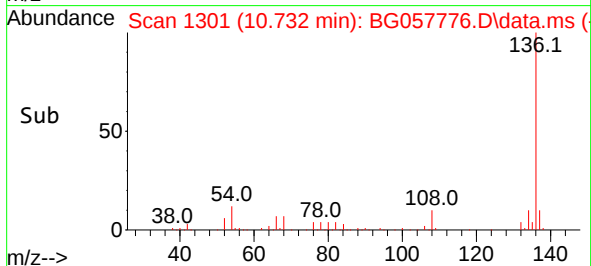
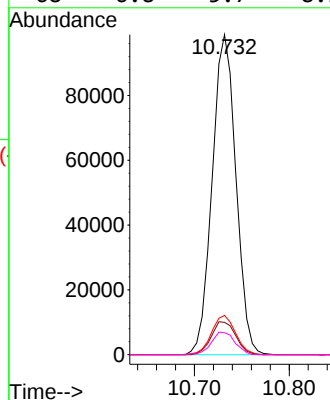
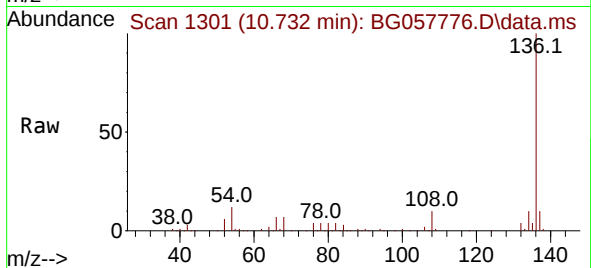
Ion Ratio Lower Upper

136 100

137 10.1 8.5 12.7

54 12.3 9.5 14.3

68 6.8 5.7 8.5



#23

Nitrobenzene-d5

Concen: 95.131 ng

RT: 9.086 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BG057776.D

Acq: 20 Jun 2023 14:49

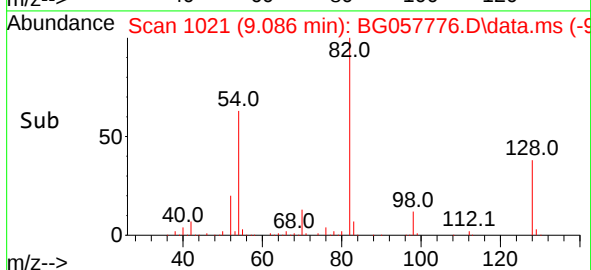
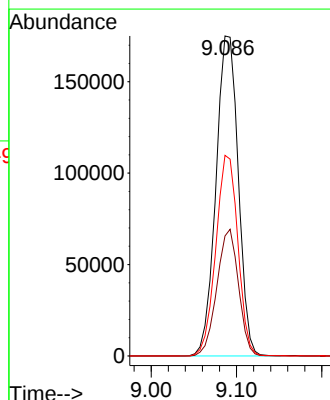
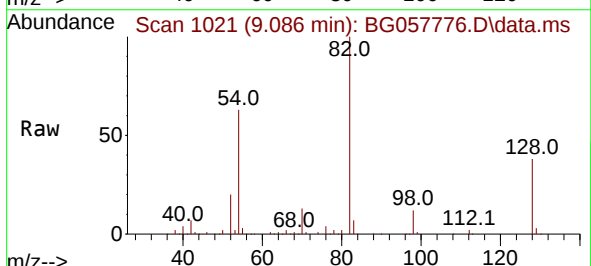
Tgt Ion: 82 Resp: 318165

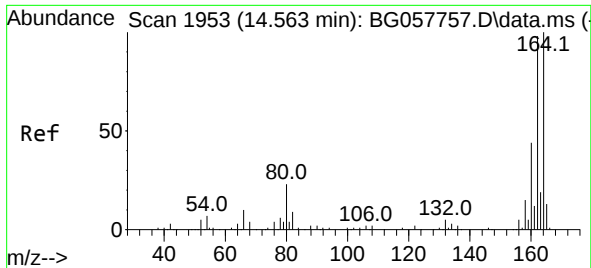
Ion Ratio Lower Upper

82 100

128 37.5 30.7 46.1

54 62.7 49.6 74.4

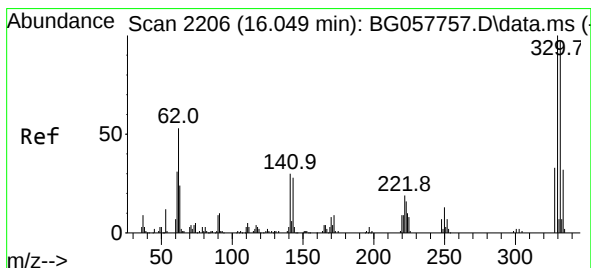
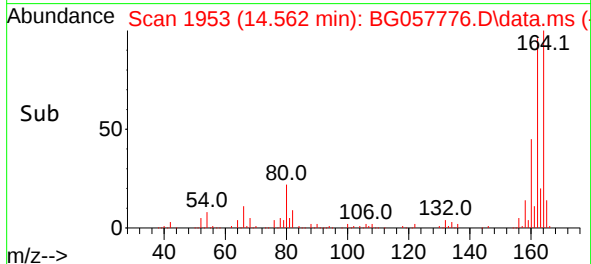
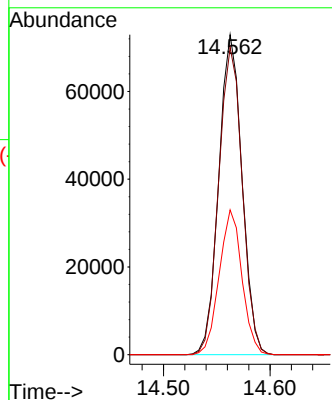
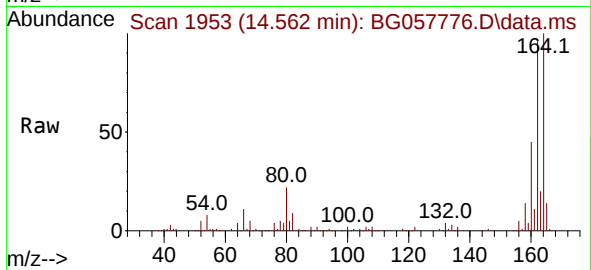




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

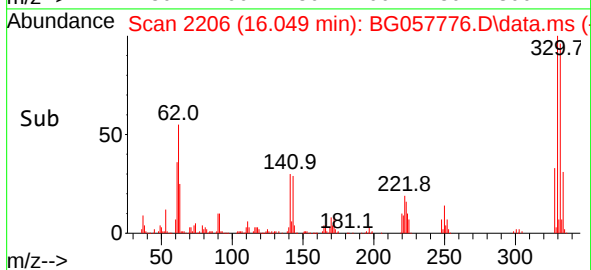
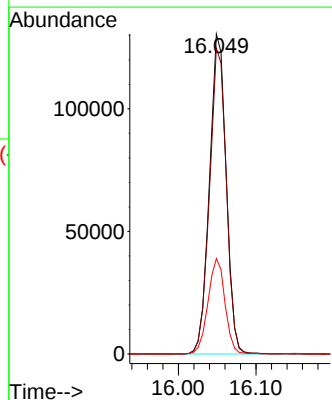
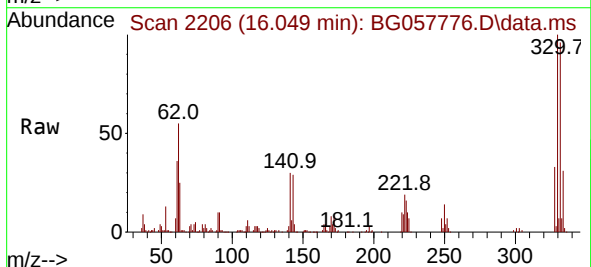
Instrument :
BNA_G
ClientSampleId :
OK-1-061523

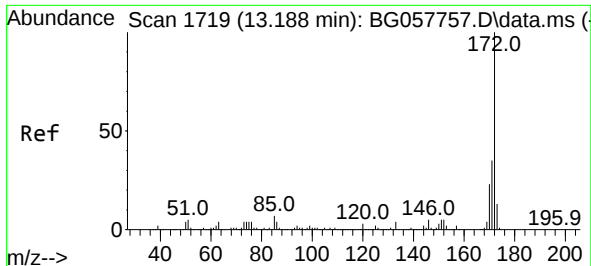
Tgt Ion:164 Resp: 110424
Ion Ratio Lower Upper
164 100
162 96.0 78.3 117.5
160 45.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 126.778 ng
RT: 16.049 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

Tgt Ion:330 Resp: 195009
Ion Ratio Lower Upper
330 100
332 96.3 76.6 115.0
141 30.3 24.7 37.1

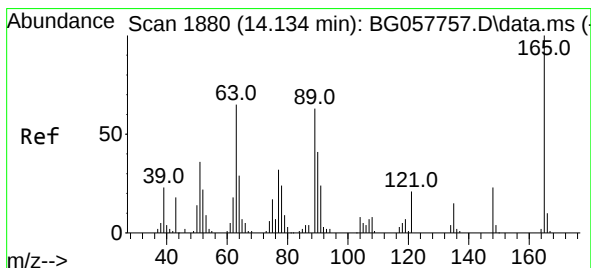
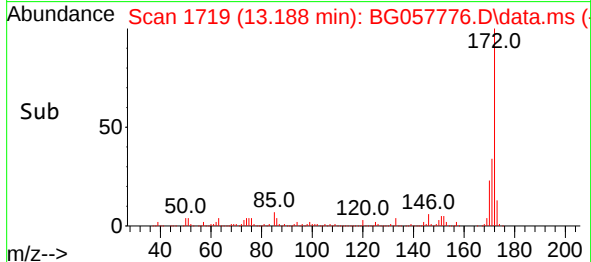
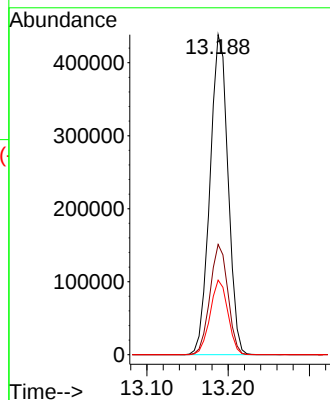
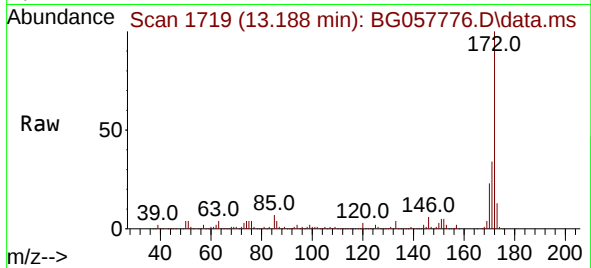




#45
2-Fluorobiphenyl
Concen: 92.844 ng
RT: 13.188 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

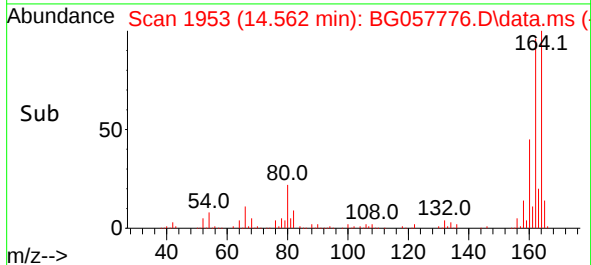
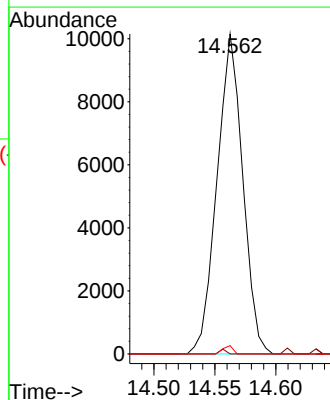
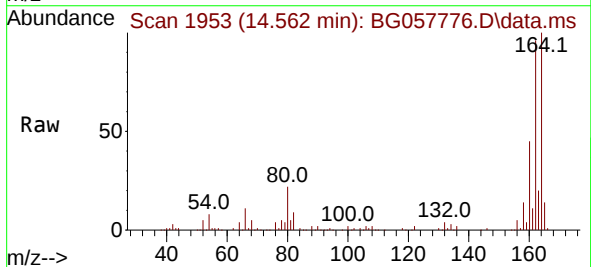
Instrument :
BNA_G
ClientSampleId :
OK-1-061523

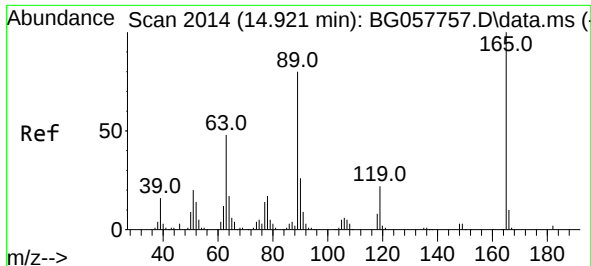
Tgt Ion:172 Resp: 675938
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.3 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.535 ng
RT: 14.562 min Scan# 1953
Delta R.T. 0.428 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

Tgt Ion:165 Resp: 14891
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 2.6 50.7 76.1#





#57

2,4-Dinitrotoluene

Concen: 7.031 ng

RT: 14.562 min Scan# 1953

Delta R.T. -0.359 min

Lab File: BG057776.D

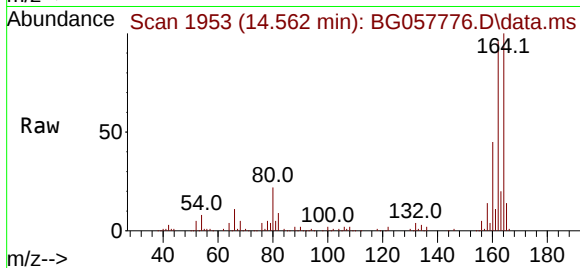
Acq: 20 Jun 2023 14:49

Instrument :

BNA_G

ClientSampleId :

OK-1-061523



Tgt Ion:165 Resp: 14891

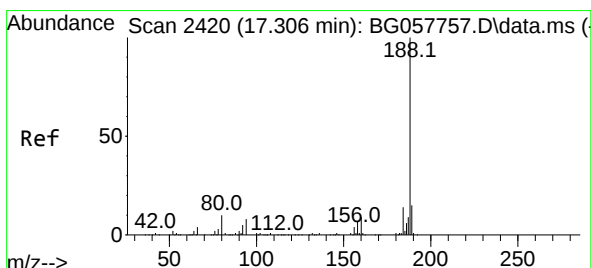
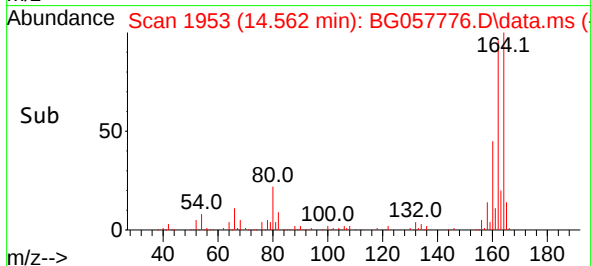
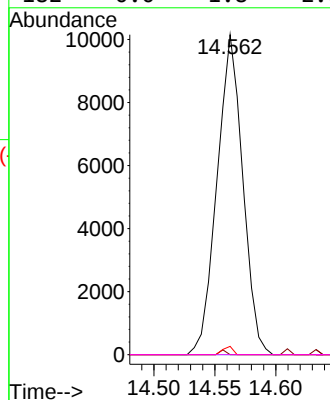
Ion Ratio Lower Upper

165 100

63 0.0 38.6 58.0#

89 2.6 63.7 95.5#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.306 min Scan# 2420

Delta R.T. -0.000 min

Lab File: BG057776.D

Acq: 20 Jun 2023 14:49

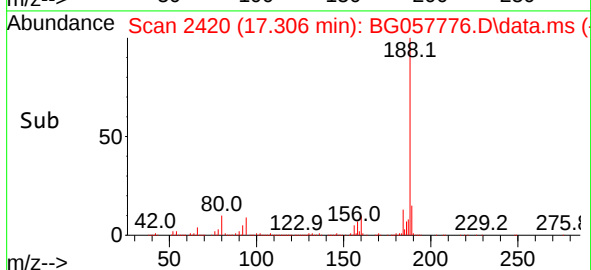
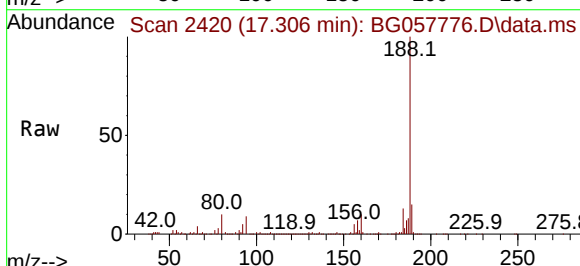
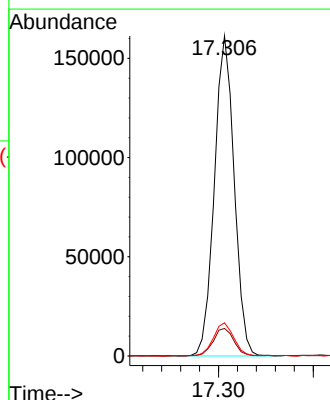
Tgt Ion:188 Resp: 233521

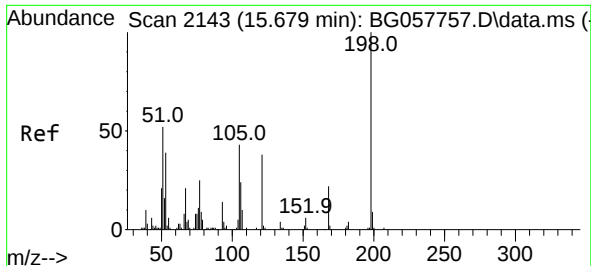
Ion Ratio Lower Upper

188 100

94 8.6 6.6 9.8

80 10.4 7.6 11.4

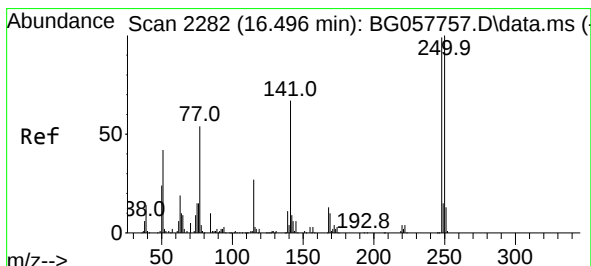
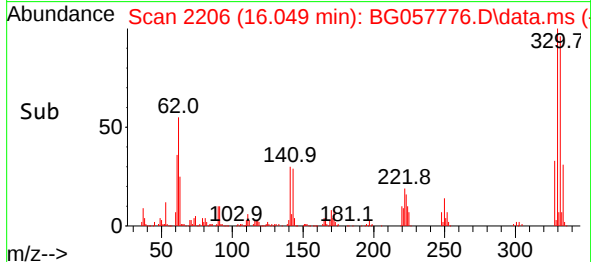
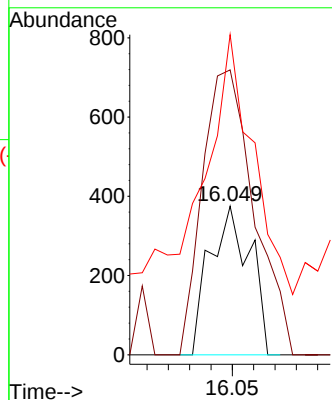
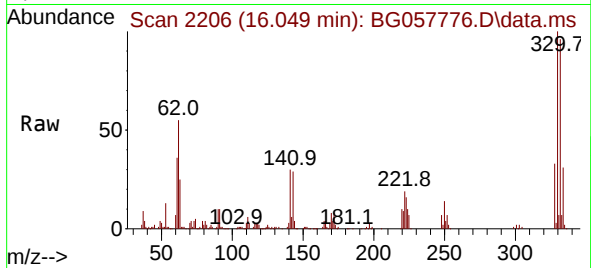




#65
4,6-Dinitro-2-methylphenol
Concen: 5.721 ng
RT: 16.049 min Scan# 2143
Delta R.T. 0.370 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

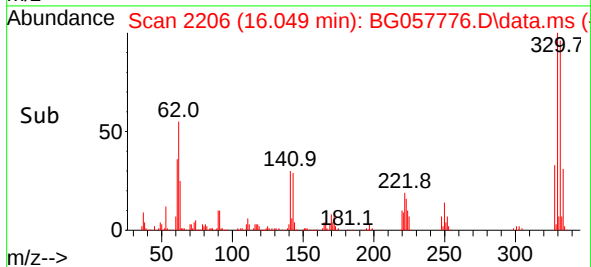
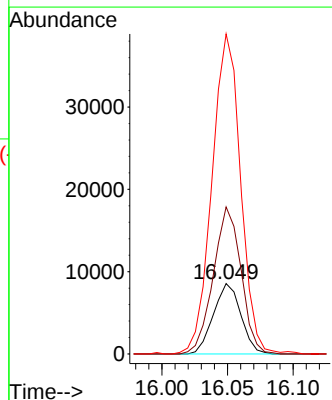
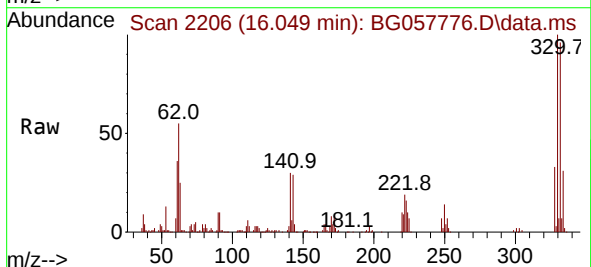
Instrument :
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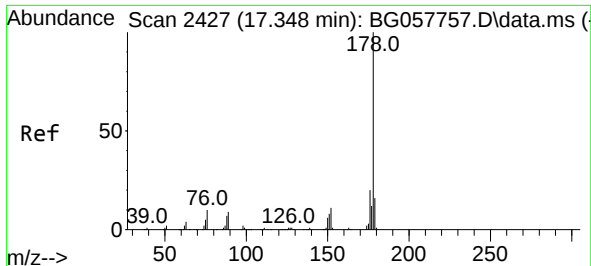
Tgt Ion:198 Resp: 494
Ion Ratio Lower Upper
198 100
51 191.7 36.6 76.6#
105 215.5 24.3 64.3#



#67
4-Bromophenyl-phenylether
Concen: 5.022 ng
RT: 16.049 min Scan# 2206
Delta R.T. -0.447 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

Tgt Ion:248 Resp: 12438
Ion Ratio Lower Upper
248 100
250 208.7 81.1 121.7#
141 454.1 54.6 81.8#

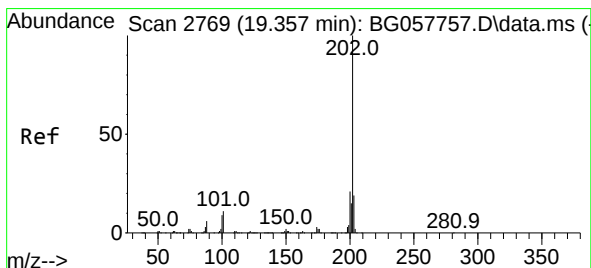
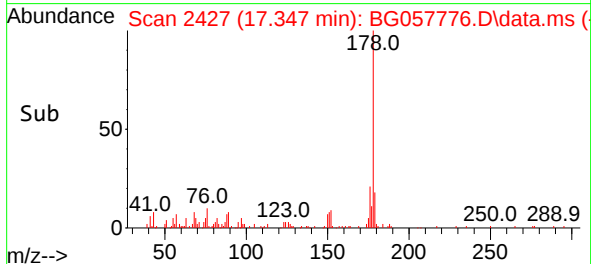
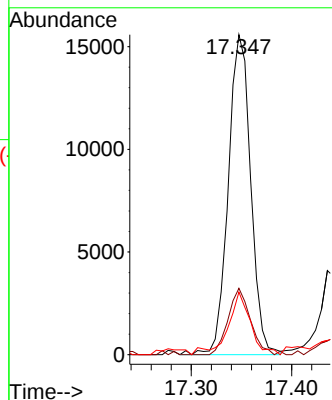
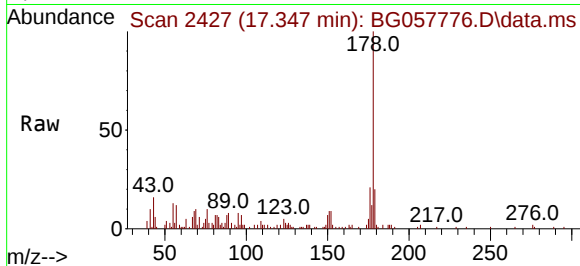




#71
Phenanthrene
Concen: 2.144 ng
RT: 17.347 min Scan# 2427
Delta R.T. -0.000 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

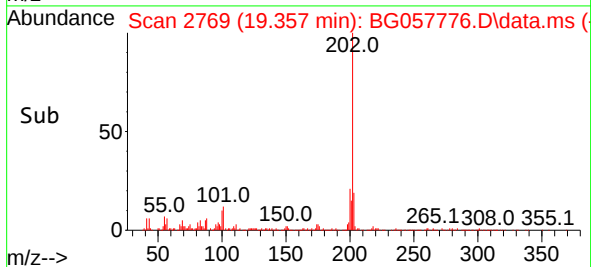
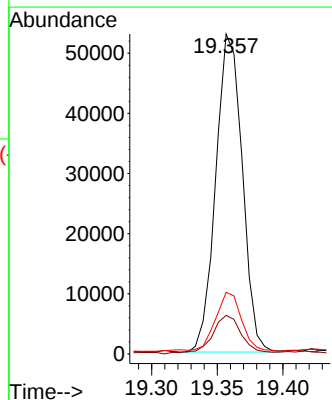
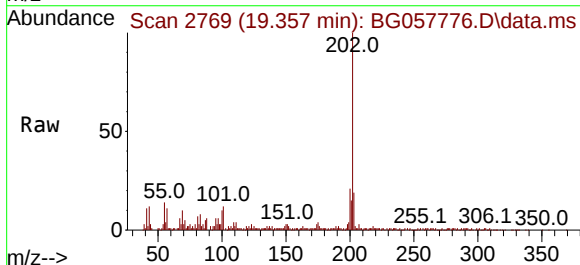
Instrument :
BNA_G
ClientSampleId :
OK-1-061523

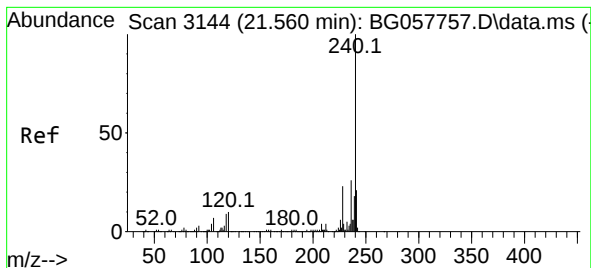
Tgt Ion:178 Resp: 24246
Ion Ratio Lower Upper
178 100
176 20.7 16.3 24.5
179 19.5 13.0 19.6



#75
Fluoranthene
Concen: 5.503 ng
RT: 19.357 min Scan# 2769
Delta R.T. -0.000 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

Tgt Ion:202 Resp: 74130
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.3
203 19.3 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.560 min Scan# 3144

Delta R.T. -0.000 min

Lab File: BG057776.D

Acq: 20 Jun 2023 14:49

Instrument :

BNA_G

ClientSampleId :

OK-1-061523

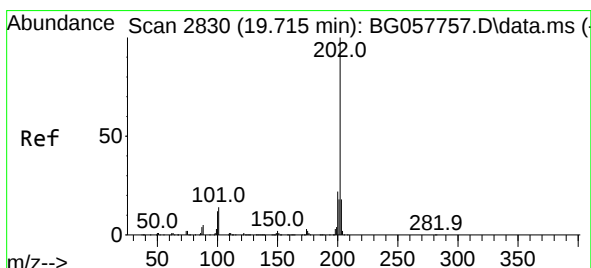
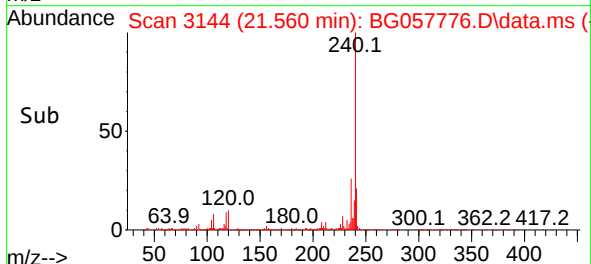
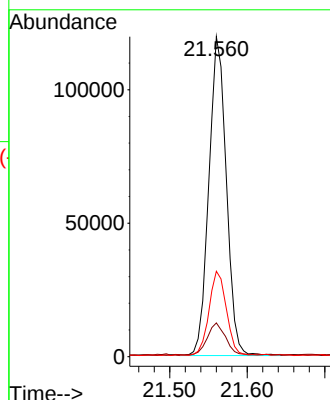
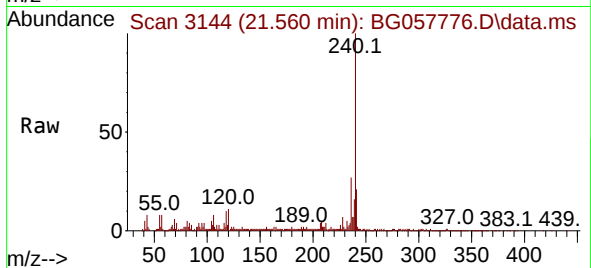
Tgt Ion:240 Resp: 187305

Ion Ratio Lower Upper

240 100

120 10.6 8.1 12.1

236 26.7 20.6 30.8



#78

Pyrene

Concen: 5.346 ng

RT: 19.721 min Scan# 2831

Delta R.T. 0.006 min

Lab File: BG057776.D

Acq: 20 Jun 2023 14:49

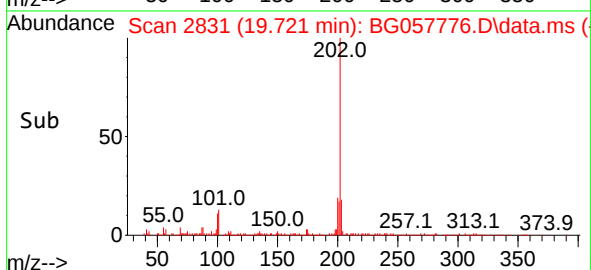
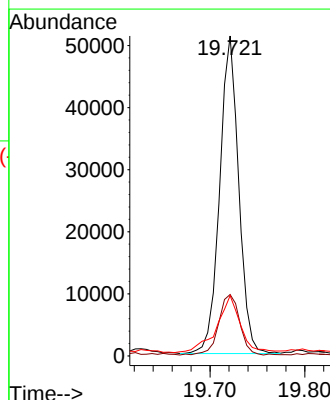
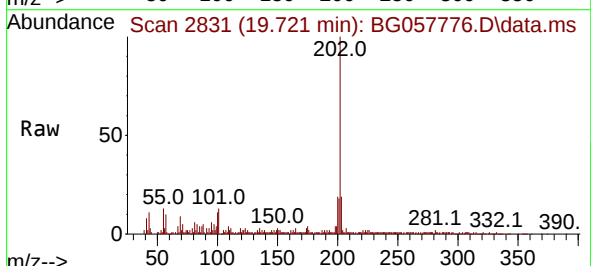
Tgt Ion:202 Resp: 71434

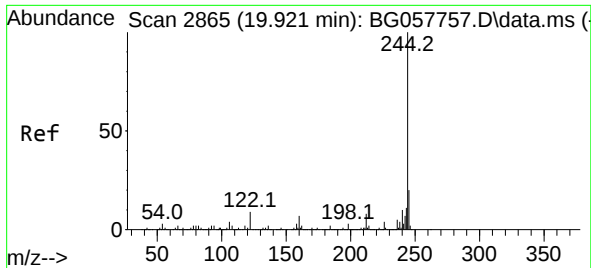
Ion Ratio Lower Upper

202 100

200 19.2 17.4 26.0

203 18.8 14.6 22.0

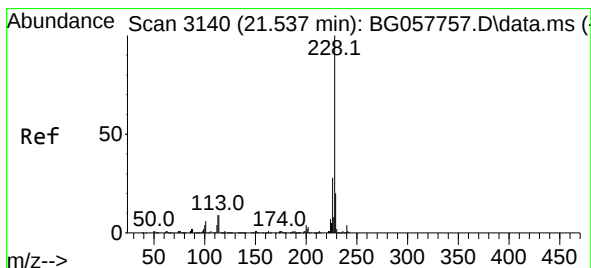
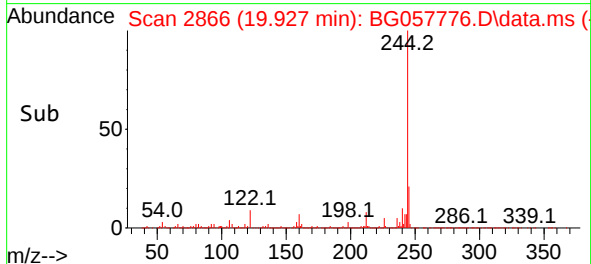
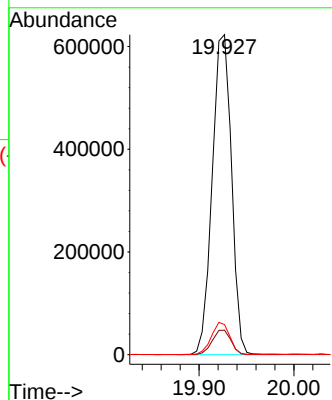
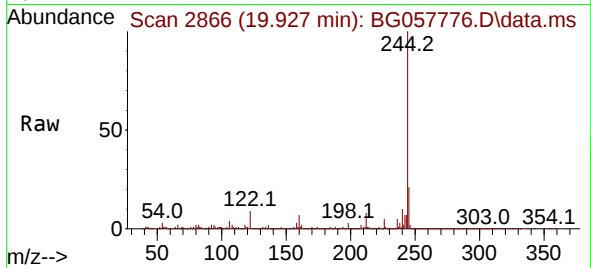




#79
Terphenyl-d14
Concen: 87.476 ng
RT: 19.927 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

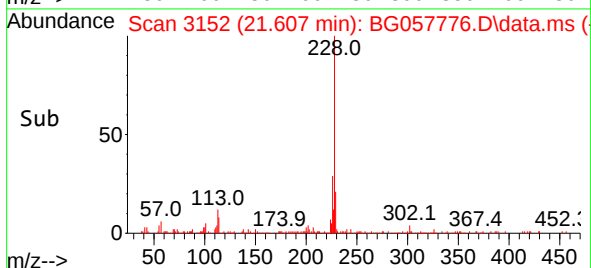
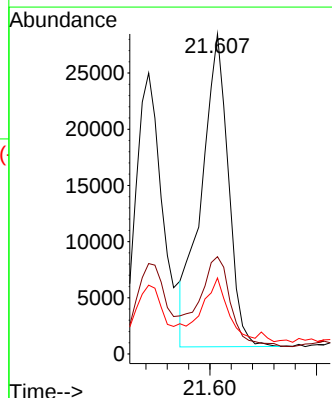
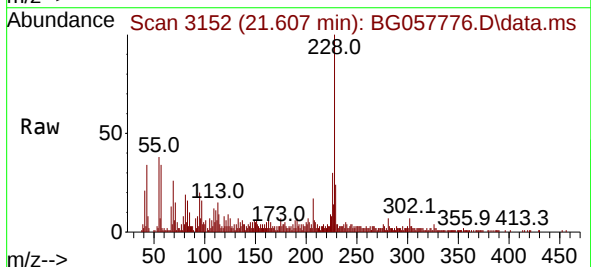
Instrument :
BNA_G
ClientSampleId :
OK-1-061523

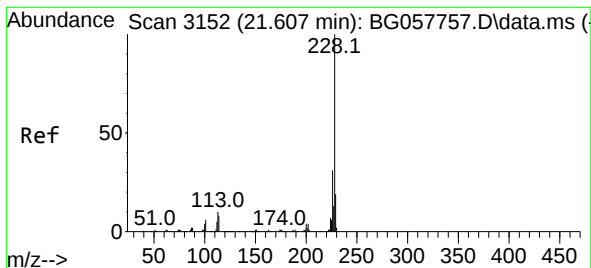
Tgt Ion:244 Resp: 878696
Ion Ratio Lower Upper
244 100
212 7.7 6.1 9.1
122 9.4 7.6 11.4



#81
Benzo(a)anthracene
Concen: 3.810 ng
RT: 21.607 min Scan# 3152
Delta R.T. 0.070 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

Tgt Ion:228 Resp: 48966
Ion Ratio Lower Upper
228 100
226 30.4 22.3 33.5
229 23.8 16.3 24.5





#83

Chrysene

Concen: 3.970 ng

RT: 21.607 min Scan# 3152

Delta R.T. -0.000 min

Lab File: BG057776.D

Acq: 20 Jun 2023 14:49

Instrument :

BNA_G

ClientSampleId :

OK-1-061523

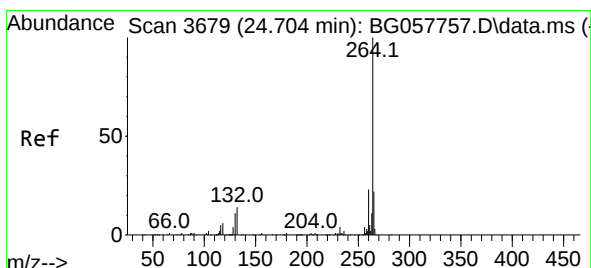
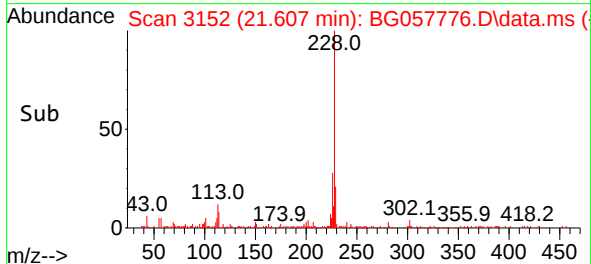
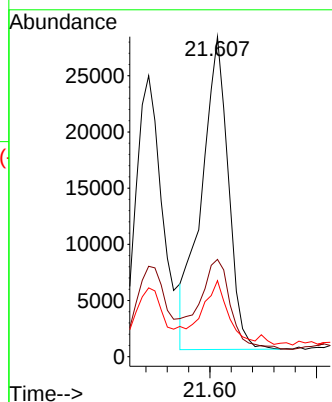
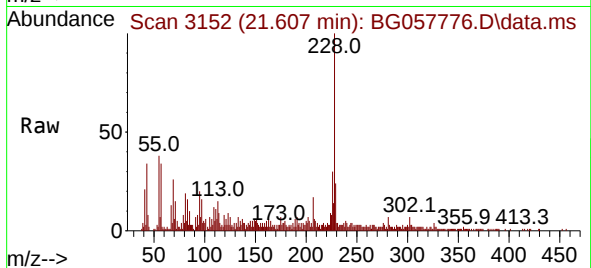
Tgt Ion:228 Resp: 48966

Ion Ratio Lower Upper

228 100

226 30.4 24.8 37.2

229 23.8 15.6 23.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.721 min Scan# 3682

Delta R.T. 0.018 min

Lab File: BG057776.D

Acq: 20 Jun 2023 14:49

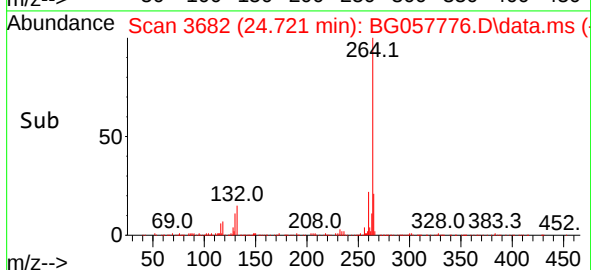
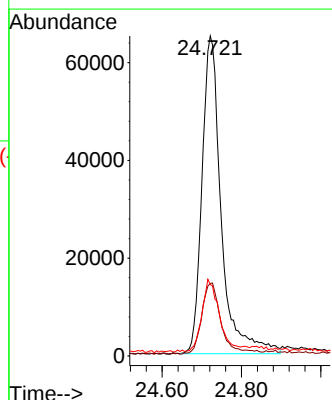
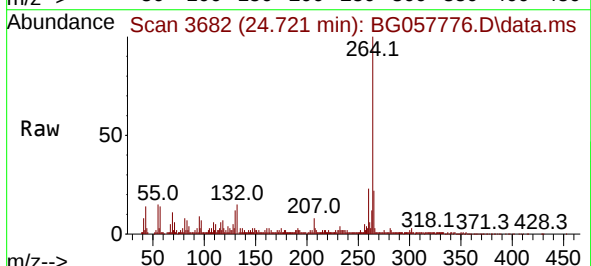
Tgt Ion:264 Resp: 218734

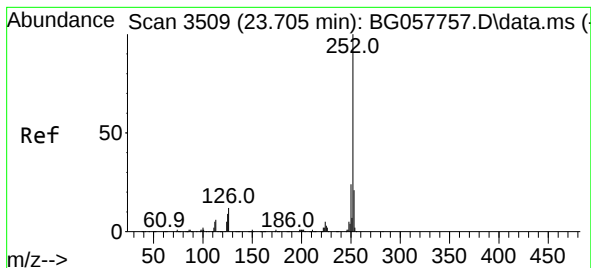
Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 22.3 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 5.865 ng

RT: 23.722 min Scan# 3512

Delta R.T. 0.017 min

Lab File: BG057776.D

Acq: 20 Jun 2023 14:49

Instrument :

BNA_G

ClientSampleId :

OK-1-061523

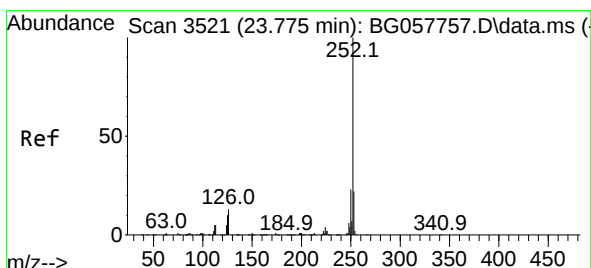
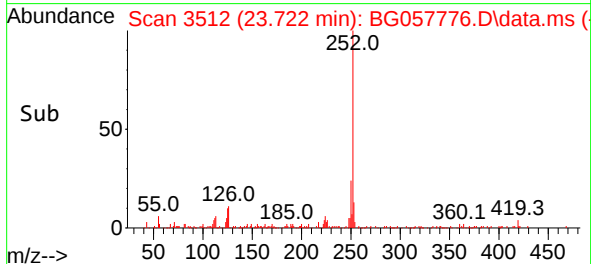
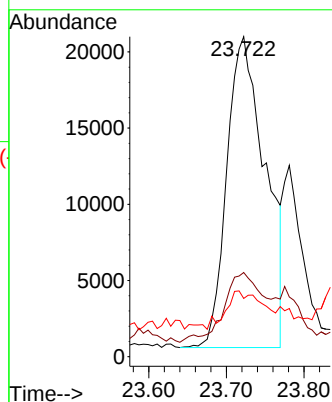
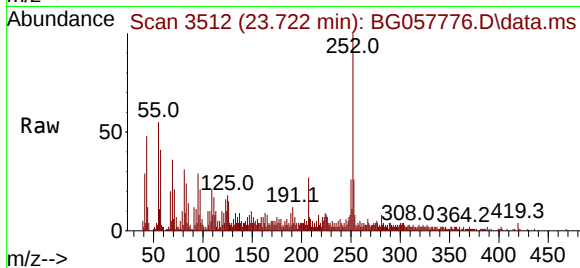
Tgt Ion:252 Resp: 70299

Ion Ratio Lower Upper

252 100

253 26.3 17.1 25.7#

125 18.2 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 5.759 ng

RT: 23.722 min Scan# 3512

Delta R.T. -0.053 min

Lab File: BG057776.D

Acq: 20 Jun 2023 14:49

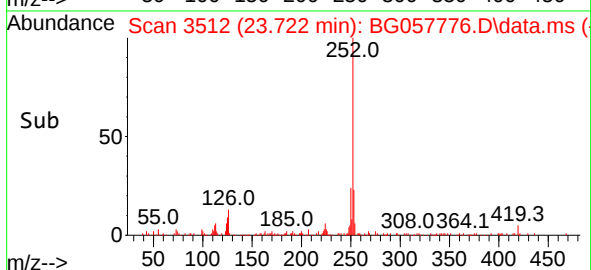
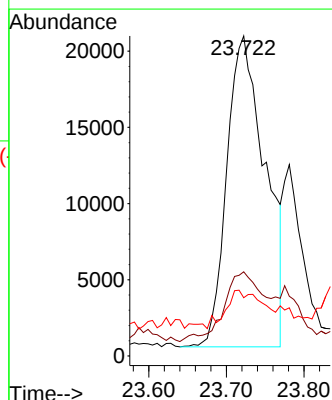
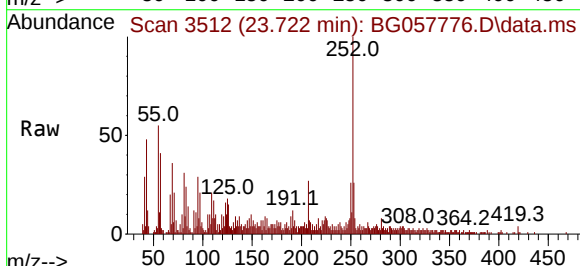
Tgt Ion:252 Resp: 70299

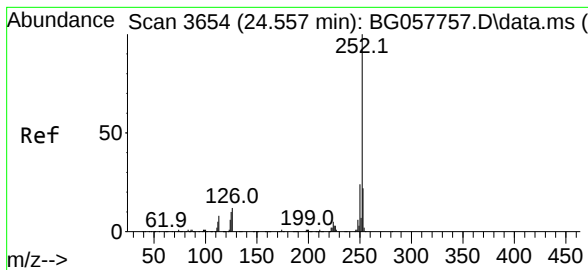
Ion Ratio Lower Upper

252 100

253 26.3 18.0 27.0

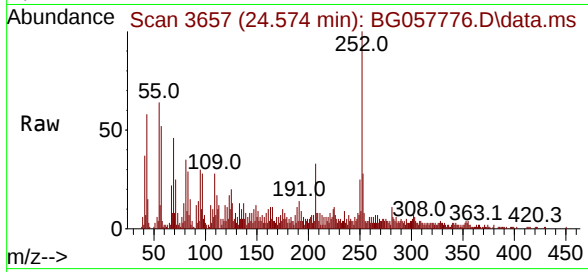
125 18.2 7.6 11.4#





#90
Benzo(a)pyrene
Concen: 3.876 ng
RT: 24.574 min Scan# 30
Delta R.T. 0.017 min
Lab File: BG057776.D
Acq: 20 Jun 2023 14:49

Instrument :
BNA_G
ClientSampleId :
OK-1-061523



Tgt Ion:252 Resp: 45627
Ion Ratio Lower Upper
252 100
253 27.9 17.4 26.2#
125 20.1 8.0 12.0#

