

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
 Data File : BG057609.D
 Acq On : 30 May 2023 16:49
 Operator : CG/JU
 Sample : 02955-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB27

Quant Time: May 31 03:28:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 31 03:25:39 2023
 Response via : Initial Calibration

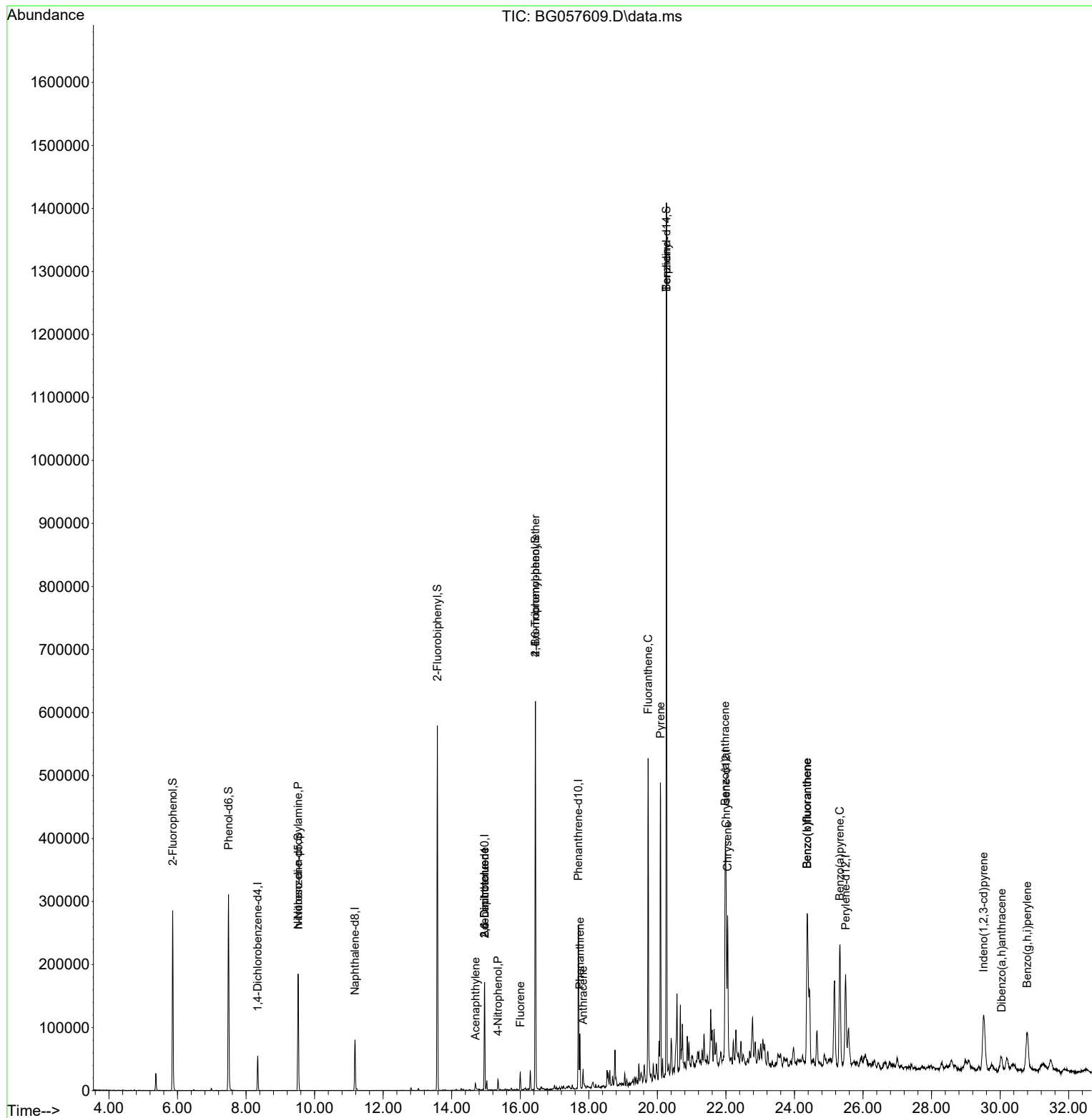
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.340	152	15504	20.000	ng	0.00
21) Naphthalene-d8	11.177	136	70687	20.000	ng	0.00
39) Acenaphthene-d10	14.960	164	61634	20.000	ng	0.00
64) Phenanthrene-d10	17.697	188	166936	20.000	ng	0.00
76) Chrysene-d12	22.003	240	151897	20.000	ng	0.00
86) Perylene-d12	25.493	264	165616	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.861	112	131224	147.044	ng	0.00
7) Phenol-d6	7.488	99	198039	141.799	ng	0.00
23) Nitrobenzene-d5	9.520	82	122157	80.784	ng	0.00
42) 2,4,6-Tribromophenol	16.440	330	123563	125.219	ng	0.00
45) 2-Fluorobiphenyl	13.579	172	308464	71.924	ng	0.00
79) Terphenyl-d14	20.265	244	669110	76.305	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.520	70	16082	16.574	ng	# 76
49) Acenaphthylene	14.696	152	14676	2.612	ng	97
51) 2,6-Dinitrotoluene	14.960	165	8174	7.517	ng	# 27
56) 4-Nitrophenol	15.354	139	3956	5.235	ng	# 1
57) 2,4-Dinitrotoluene	14.960	165	8174	5.020	ng	# 25
58) Fluorene	16.000	166	13257	2.673	ng	98
67) 4-Bromophenyl-phenylether	16.440	248	8608	4.597	ng	# 1
71) Phenanthrene	17.739	178	55526	6.500	ng	97
72) Anthracene	17.833	178	20389	2.327	ng	97
75) Fluoranthene	19.730	202	318460	28.715	ng	100
77) Benzidine	20.265	184	9841	2.141	ng	# 88
78) Pyrene	20.088	202	304683	28.171	ng	99
81) Benzo(a)anthracene	21.980	228	215436	20.444	ng	97
83) Chrysene	22.050	228	192196	19.300	ng	98
87) Indeno(1,2,3-cd)pyrene	29.511	276	153166	13.265	ng	98
88) Benzo(b)fluoranthene	24.371	252	339501	33.303	ng	99
89) Benzo(k)fluoranthene	24.371	252	339501	32.999	ng	99
90) Benzo(a)pyrene	25.322	252	223322	22.464	ng	99
91) Dibenzo(a,h)anthracene	30.040	278	35816	3.727	ng	95
92) Benzo(g,h,i)perylene	30.786	276	137720	14.695	ng	99

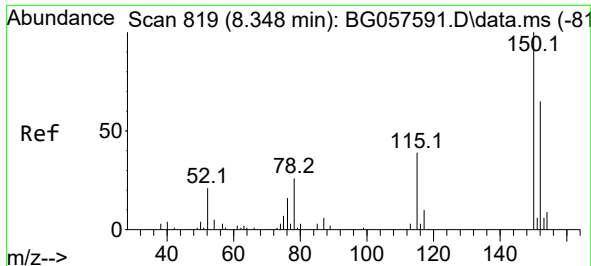
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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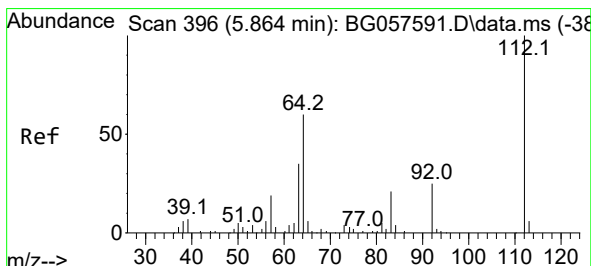
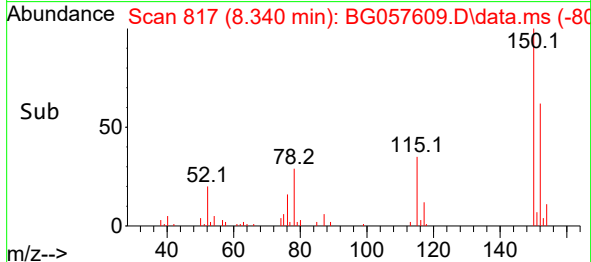
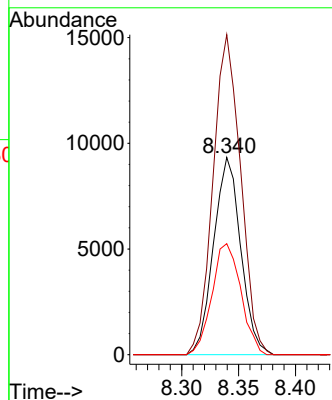
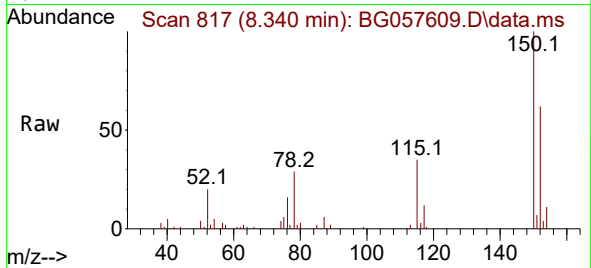




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.340 min Scan# 819
Delta R.T. -0.004 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

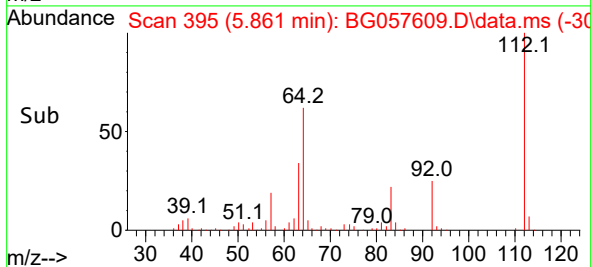
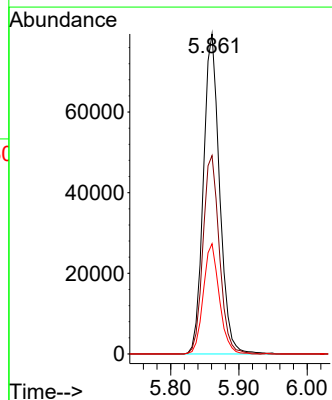
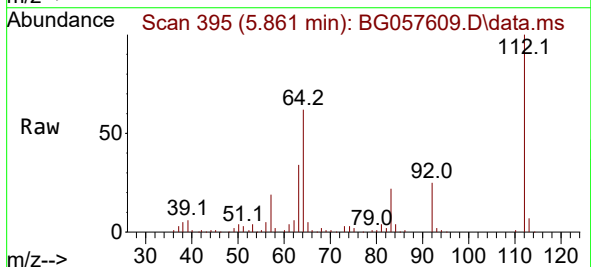
Instrument :
BNA_G
ClientSampleId :
SB27

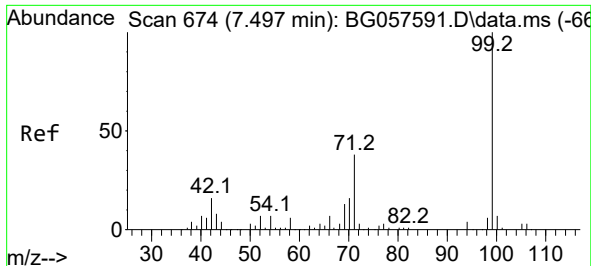
Tgt Ion:152 Resp: 15504
Ion Ratio Lower Upper
152 100
150 162.2 123.0 184.4
115 56.3 47.4 71.2



#5
2-Fluorophenol
Concen: 147.044 ng
RT: 5.861 min Scan# 395
Delta R.T. 0.002 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion:112 Resp: 131224
Ion Ratio Lower Upper
112 100
64 62.0 47.8 71.6
63 34.5 27.8 41.8

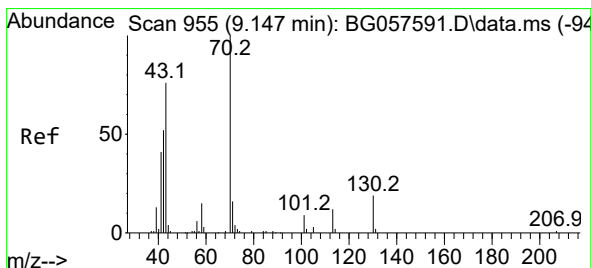
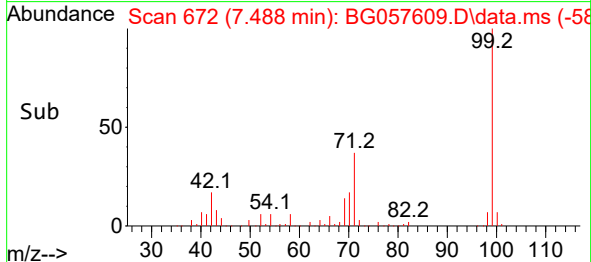
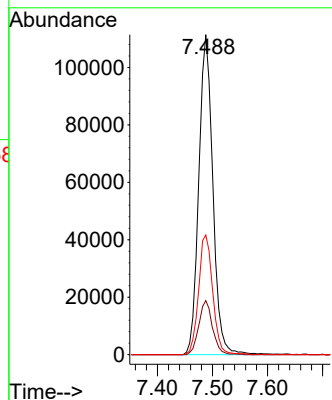
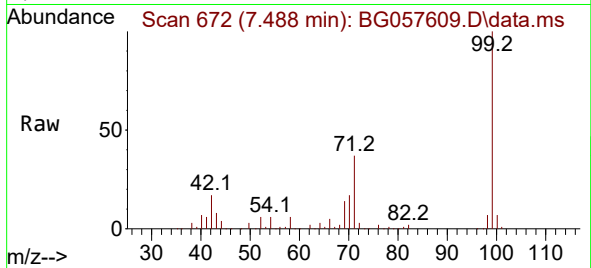




#7
Phenol-d6
Concen: 141.799 ng
RT: 7.488 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

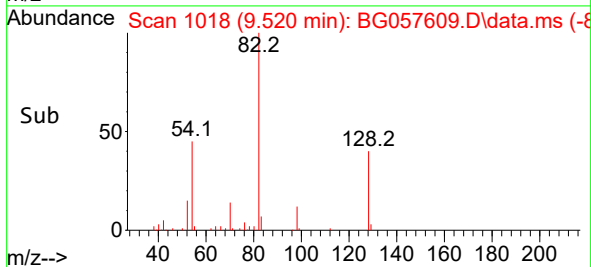
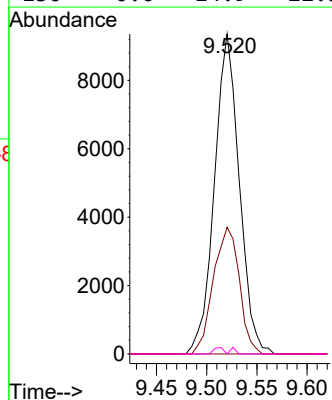
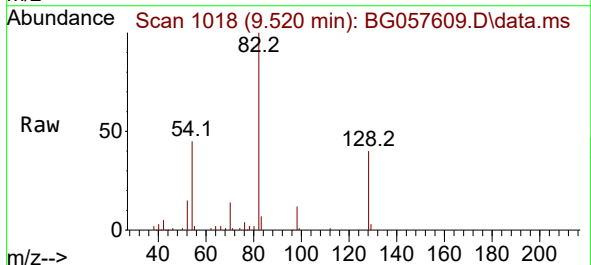
Instrument :
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ClientSampleId :
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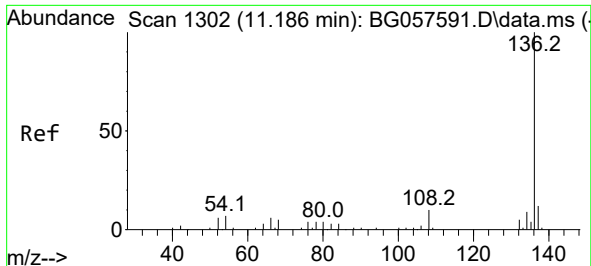
Tgt Ion: 99 Resp: 198039
Ion Ratio Lower Upper
99 100
42 16.9 12.8 19.2
71 37.4 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 16.574 ng
RT: 9.520 min Scan# 1018
Delta R.T. 0.378 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion: 70 Resp: 16082
Ion Ratio Lower Upper
70 100
42 39.6 41.4 62.0#
101 0.0 6.9 10.3#
130 0.0 14.9 22.3#

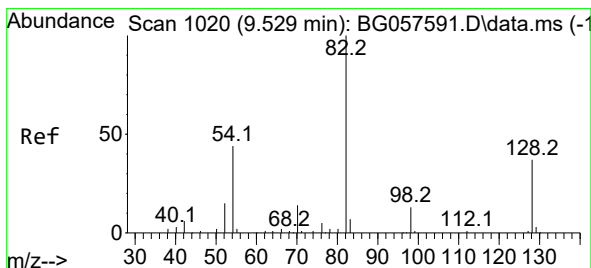
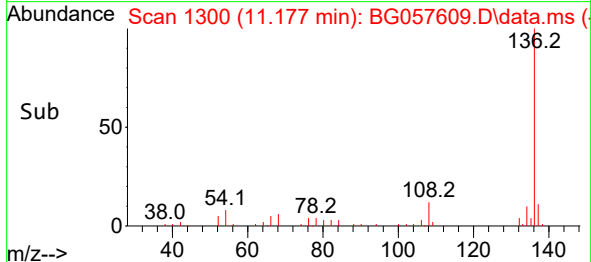
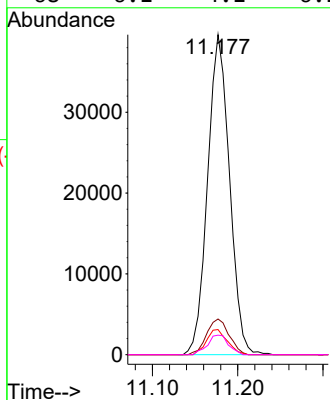
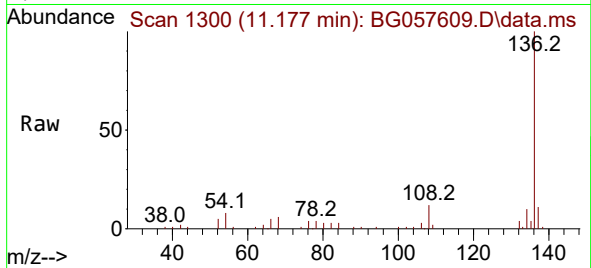




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.177 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

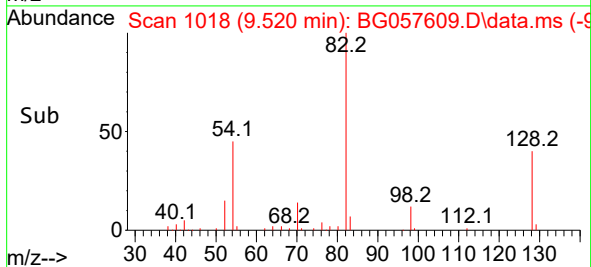
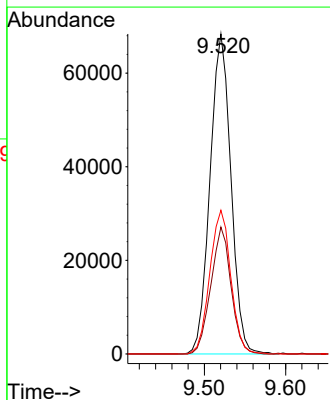
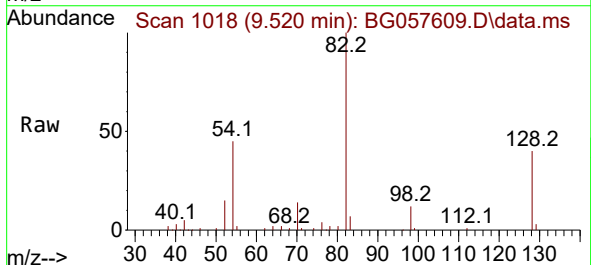
Instrument :
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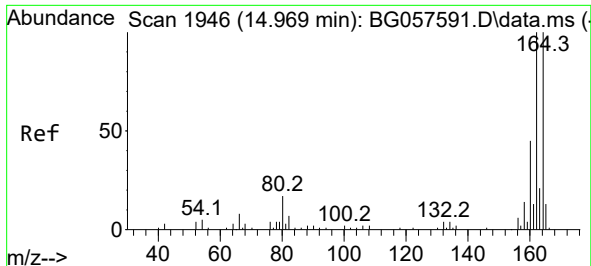
Tgt Ion:	136	Resp:	70687
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.8	14.8
54	7.9	5.8	8.6
68	6.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 80.784 ng
RT: 9.520 min Scan# 1018
Delta R.T. -0.004 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion:	82	Resp:	122157
Ion Ratio	Lower	Upper	
82	100		
128	39.7	30.0	45.0
54	44.9	35.2	52.8

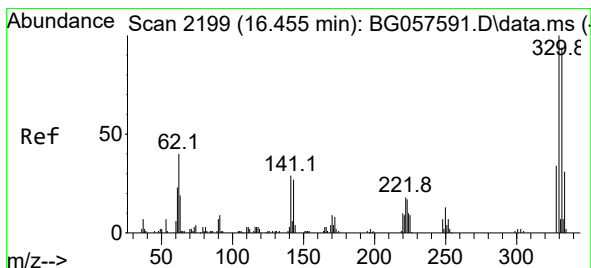
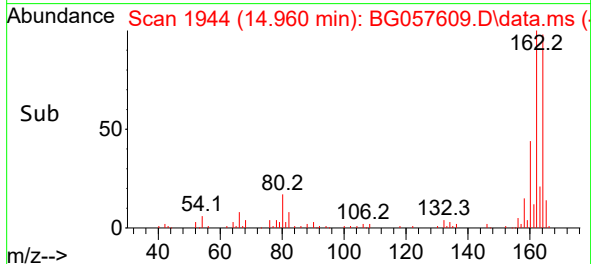
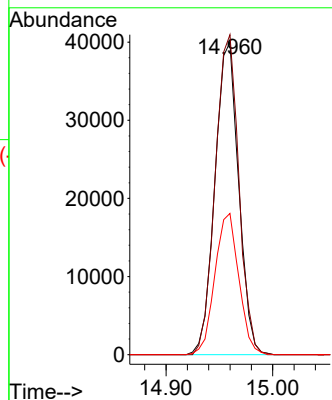
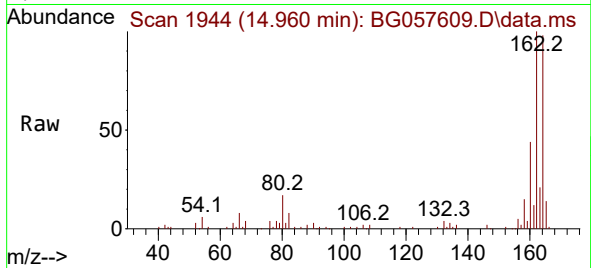




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.960 min Scan# 1944
Delta R.T. 0.002 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

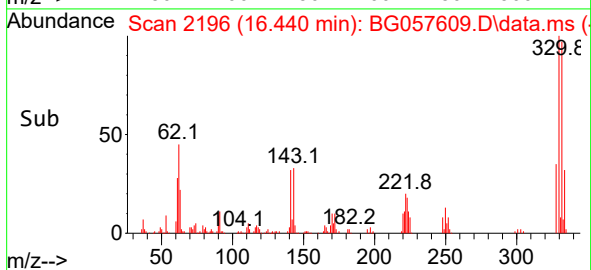
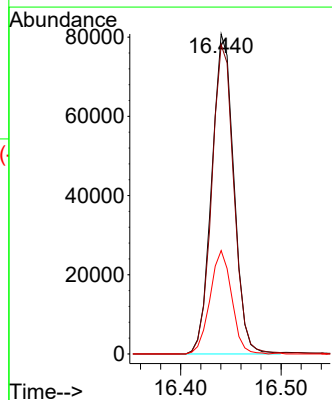
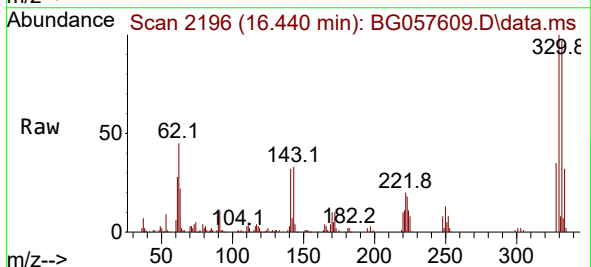
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ClientSampleId :
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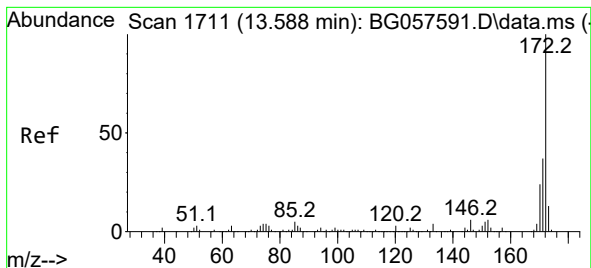
Tgt Ion:164 Resp: 61634
Ion Ratio Lower Upper
164 100
162 102.5 80.1 120.1
160 45.3 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 125.219 ng
RT: 16.440 min Scan# 2196
Delta R.T. -0.004 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion:330 Resp: 123563
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 31.7 24.6 37.0

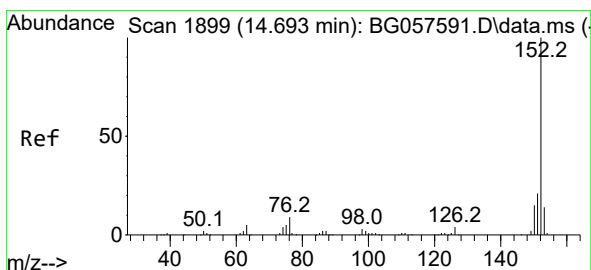
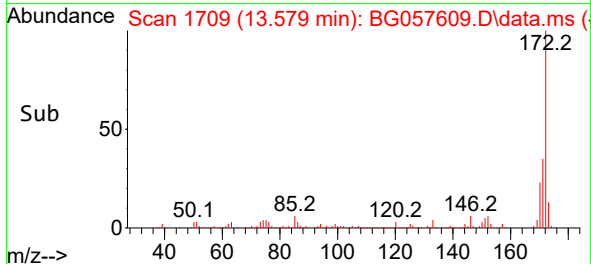
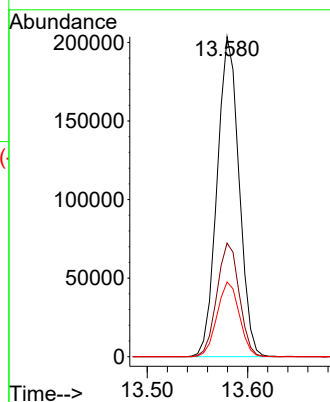
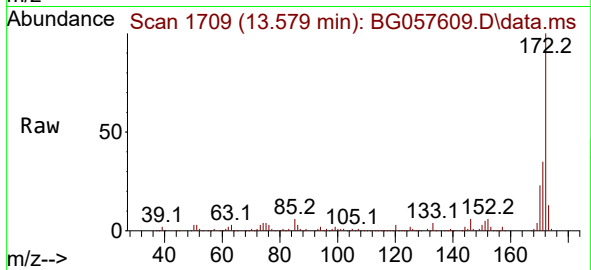




#45
2-Fluorobiphenyl
Concen: 71.924 ng
RT: 13.579 min Scan# 1709
Delta R.T. -0.004 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

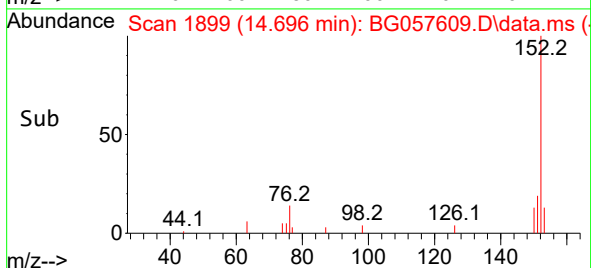
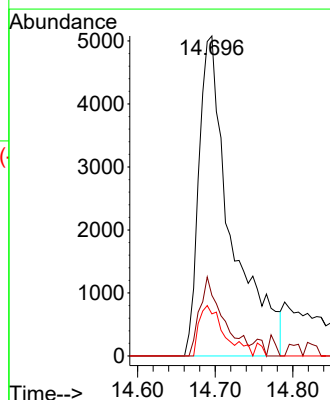
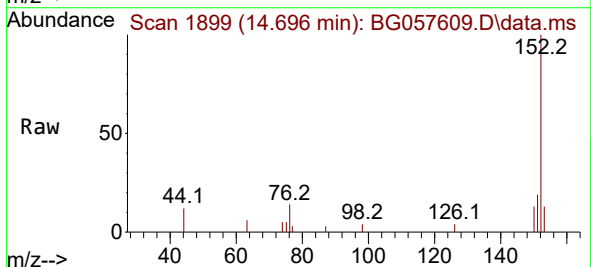
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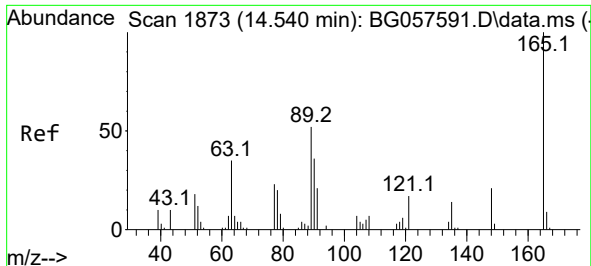
Tgt Ion:172 Resp: 308464
Ion Ratio Lower Upper
172 100
171 35.5 29.2 43.8
170 23.4 19.0 28.4



#49
Acenaphthylene
Concen: 2.612 ng
RT: 14.696 min Scan# 1899
Delta R.T. 0.008 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion:152 Resp: 14676
Ion Ratio Lower Upper
152 100
151 19.0 16.5 24.7
153 13.2 11.0 16.4

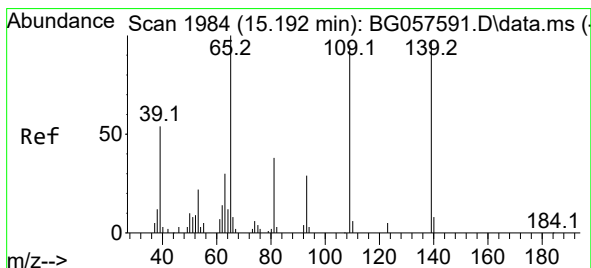
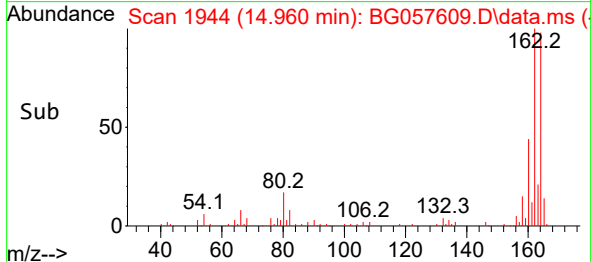
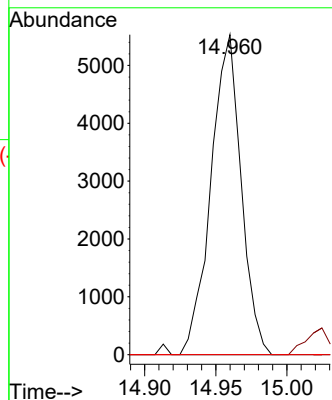
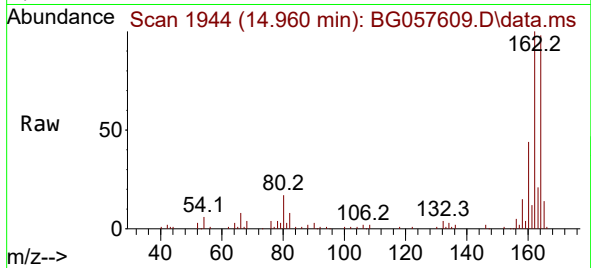




#51
2,6-Dinitrotoluene
Concen: 7.517 ng
RT: 14.960 min Scan# 11
Delta R.T. 0.430 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

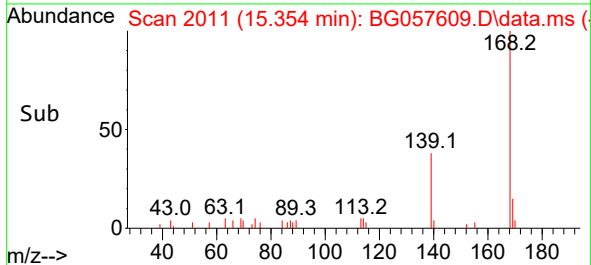
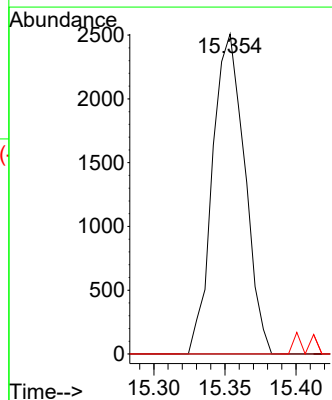
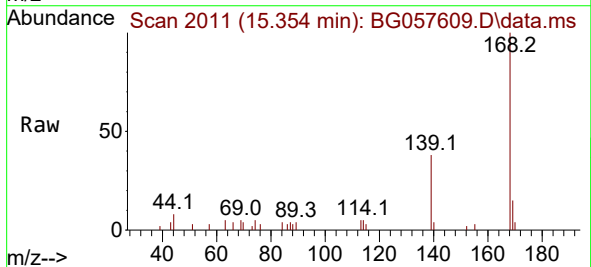
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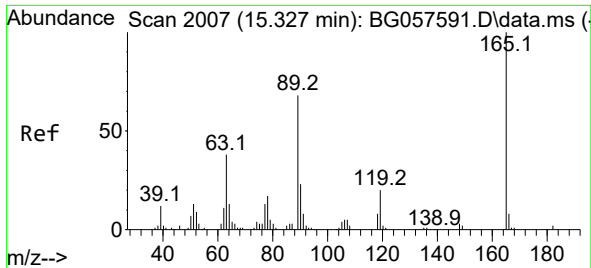
Tgt Ion:165 Resp: 8174
Ion Ratio Lower Upper
165 100
63 0.0 39.3 58.9#
89 0.0 41.5 62.3#



#56
4-Nitrophenol
Concen: 5.235 ng
RT: 15.354 min Scan# 2011
Delta R.T. 0.172 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion:139 Resp: 3956
Ion Ratio Lower Upper
139 100
109 0.0 78.2 118.2#
65 0.0 83.2 123.2#

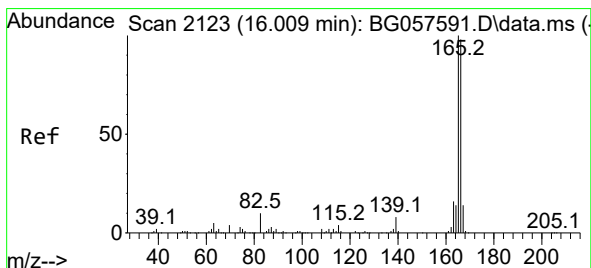
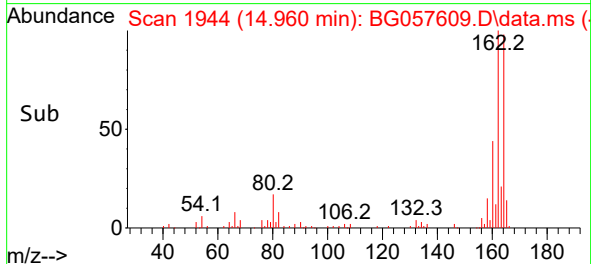
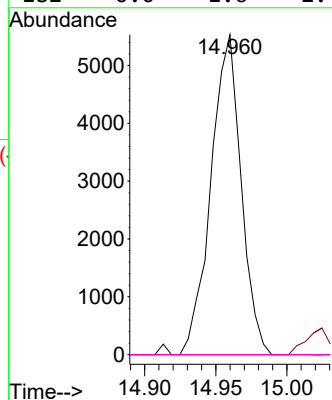
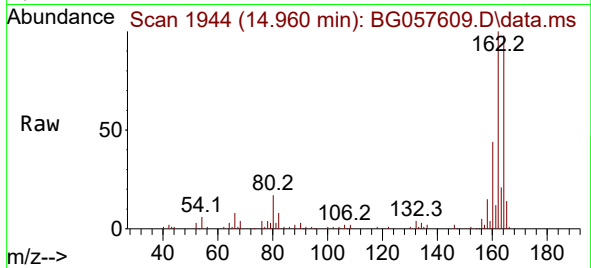




#57
2,4-Dinitrotoluene
Concen: 5.020 ng
RT: 14.960 min Scan# 1944
Delta R.T. -0.363 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

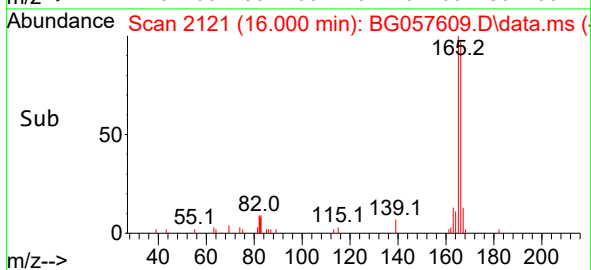
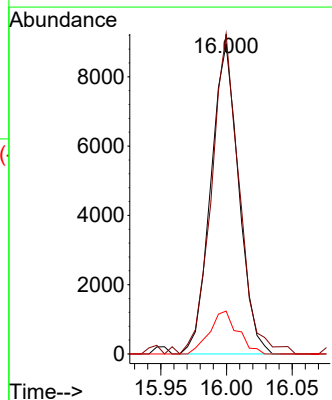
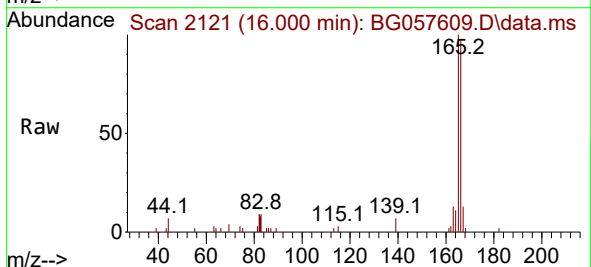
Instrument :
BNA_G
ClientSampleId :
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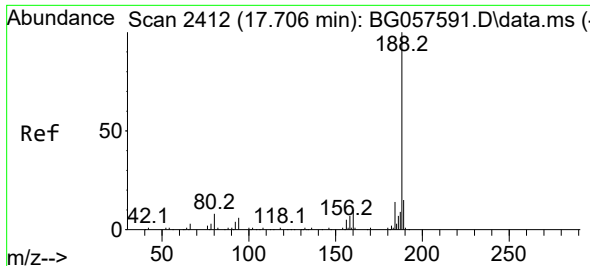
Tgt Ion:165 Resp: 8174
Ion Ratio Lower Upper
165 100
63 0.0 30.6 45.8#
89 0.0 54.2 81.2#
182 0.0 1.6 2.4#



#58
Fluorene
Concen: 2.673 ng
RT: 16.000 min Scan# 2121
Delta R.T. 0.002 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion:166 Resp: 13257
Ion Ratio Lower Upper
166 100
165 103.3 81.2 121.8
167 13.9 11.1 16.7

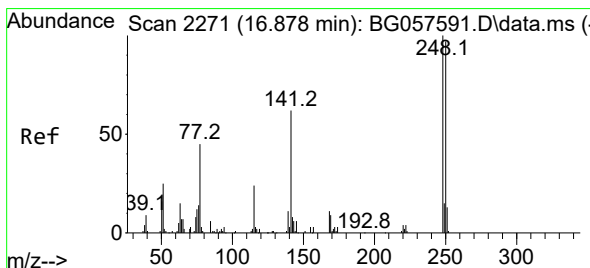
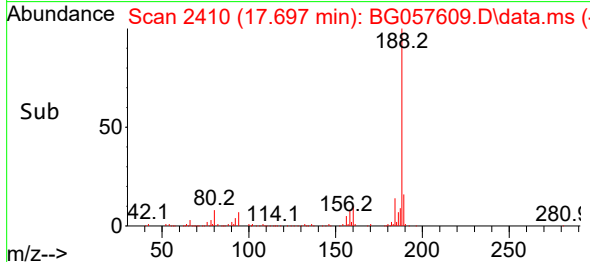
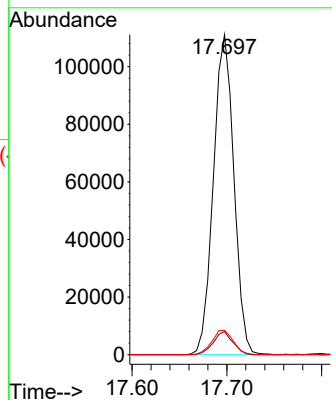
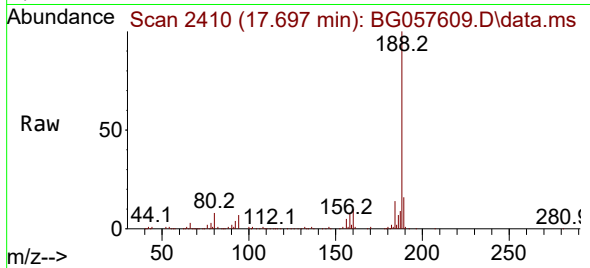




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.697 min Scan# 2412
Delta R.T. 0.002 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

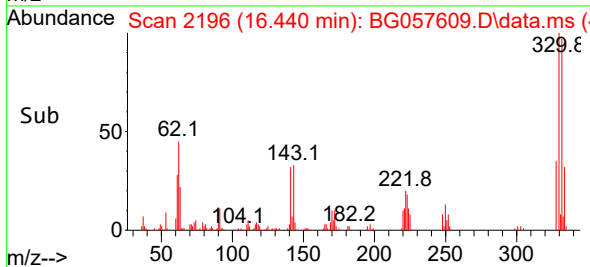
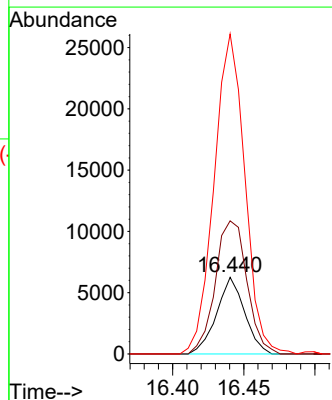
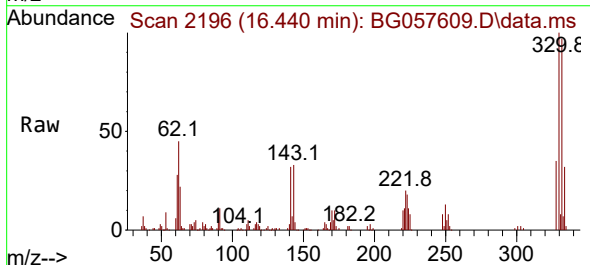
Instrument :
BNA_G
ClientSampleId :
SB27

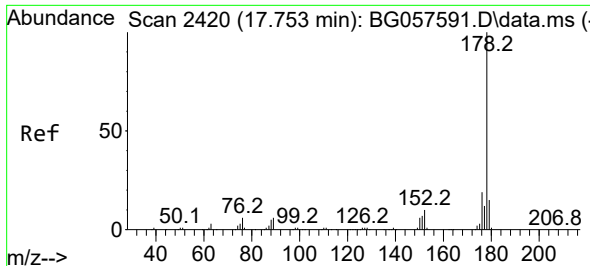
Tgt Ion:188 Resp: 166936
Ion Ratio Lower Upper
188 100
94 7.2 5.2 7.8
80 7.6 6.7 10.1



#67
4-Bromophenyl-phenylether
Concen: 4.597 ng
RT: 16.440 min Scan# 2196
Delta R.T. -0.433 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion:248 Resp: 8608
Ion Ratio Lower Upper
248 100
250 173.6 77.4 116.2#
141 417.3 49.4 74.0#

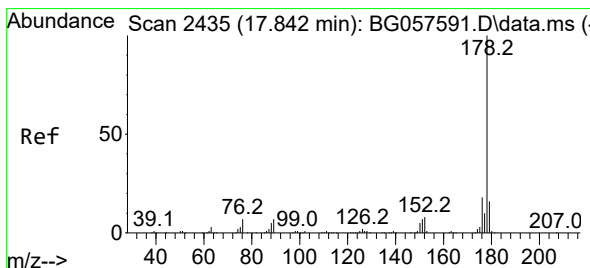
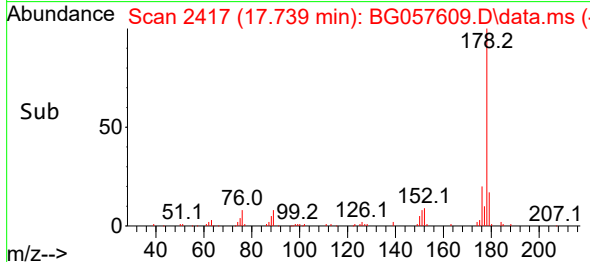
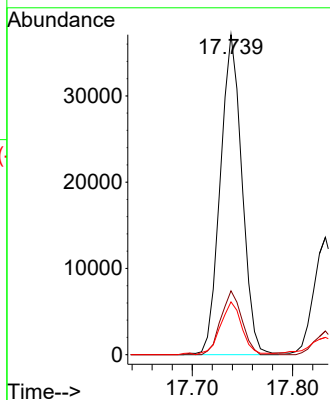
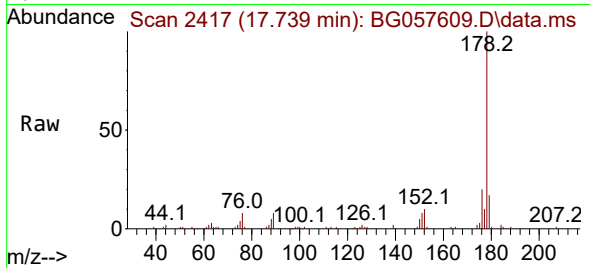




#71
Phenanthrene
Concen: 6.500 ng
RT: 17.739 min Scan# 2417
Delta R.T. -0.004 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

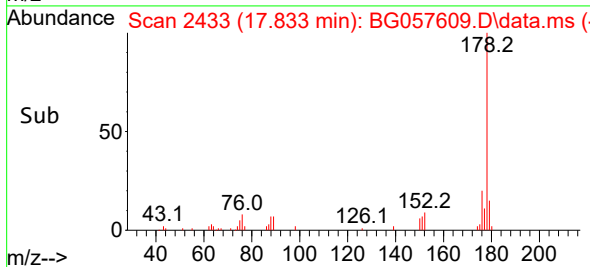
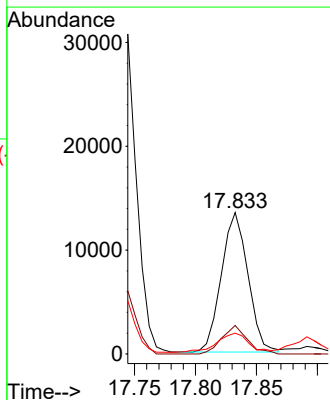
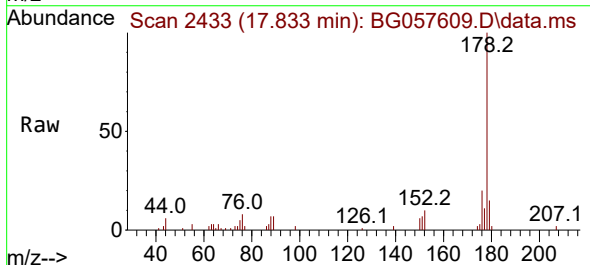
Instrument :
BNA_G
ClientSampleId :
SB27

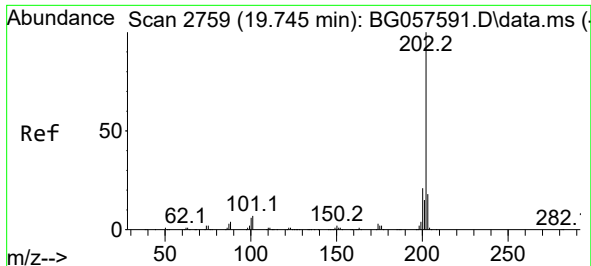
Tgt Ion:178 Resp: 55526
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 16.5 12.0 18.0



#72
Anthracene
Concen: 2.327 ng
RT: 17.833 min Scan# 2433
Delta R.T. 0.002 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion:178 Resp: 20389
Ion Ratio Lower Upper
178 100
176 20.1 14.6 22.0
179 14.7 12.6 18.8

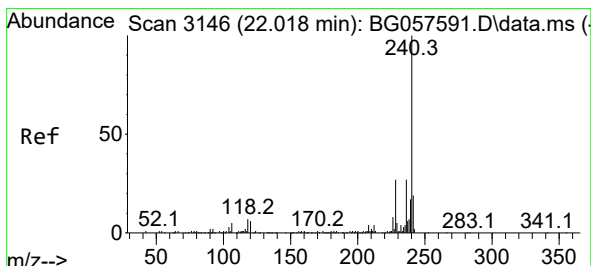
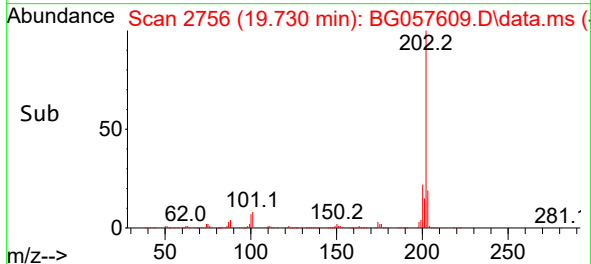
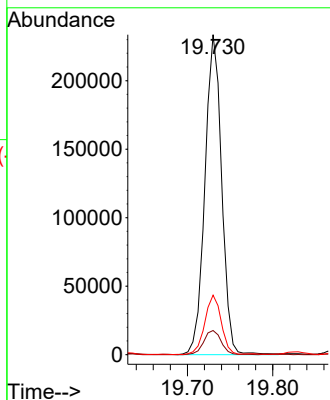
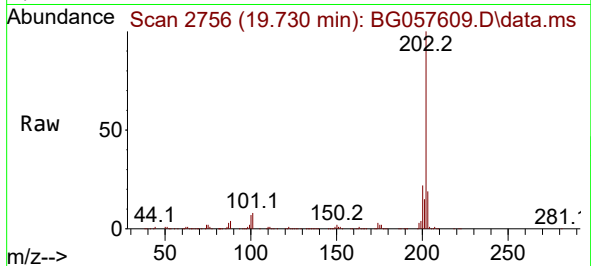




#75
 Fluoranthene
 Concen: 28.715 ng
 RT: 19.730 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG057609.D
 Acq: 30 May 2023 16:49

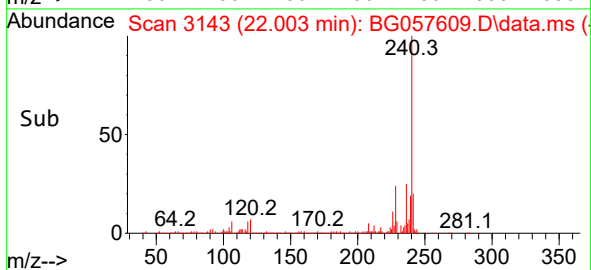
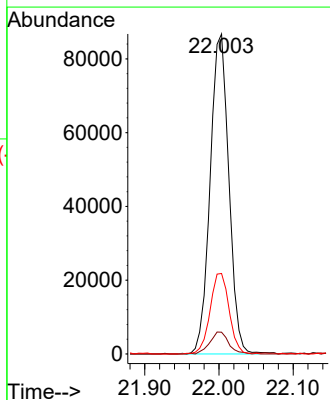
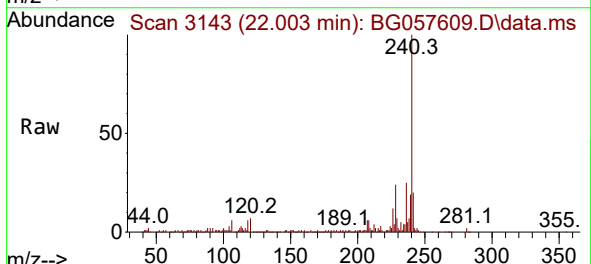
Instrument :
 BNA_G
 ClientSampleId :
 SB27

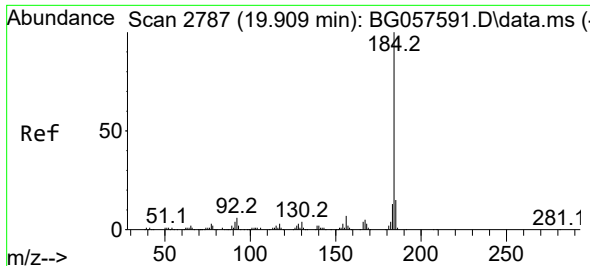
Tgt Ion:202 Resp: 318460
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 27.5
 203 18.6 0.0 38.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.003 min Scan# 3143
 Delta R.T. 0.002 min
 Lab File: BG057609.D
 Acq: 30 May 2023 16:49

Tgt Ion:240 Resp: 151897
 Ion Ratio Lower Upper
 240 100
 120 6.8 5.2 7.8
 236 25.2 21.4 32.0

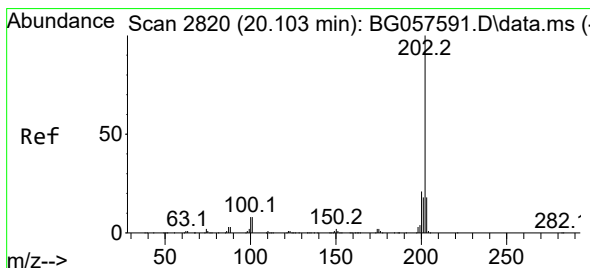
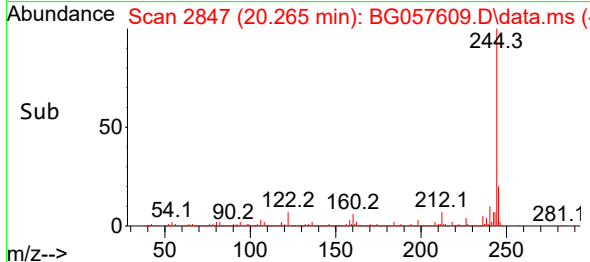
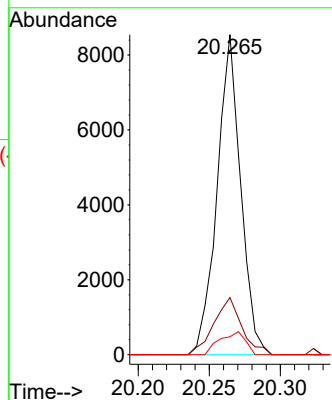
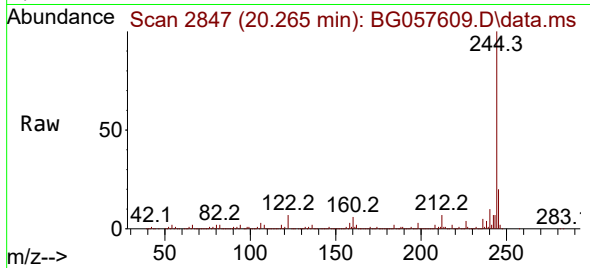




#77
Benzidine
Concen: 2.141 ng
RT: 20.265 min Scan# 21
Delta R.T. 0.366 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

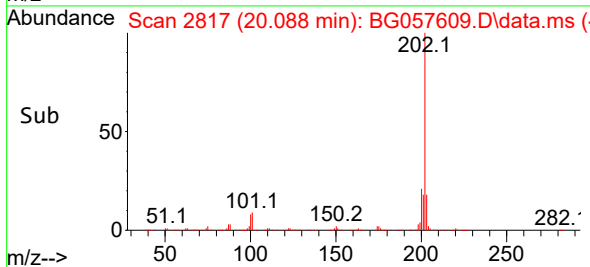
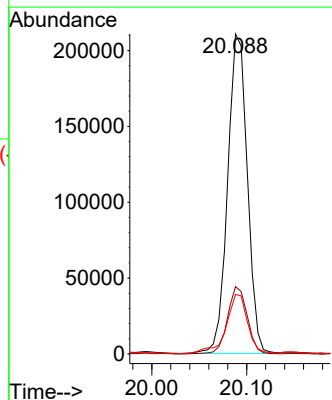
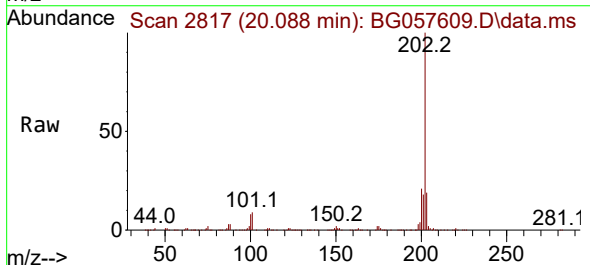
Instrument :
BNA_G
ClientSampleId :
SB27

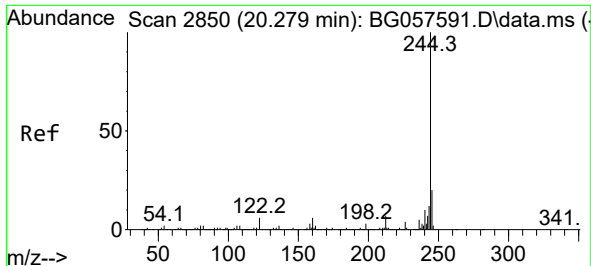
Tgt Ion:184 Resp: 9841
Ion Ratio Lower Upper
184 100
185 17.9 12.0 18.0
183 5.6 10.0 15.0#



#78
Pyrene
Concen: 28.171 ng
RT: 20.088 min Scan# 2817
Delta R.T. -0.004 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion:202 Resp: 304683
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 18.6 14.5 21.7

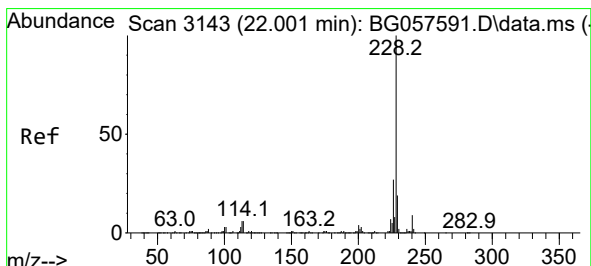
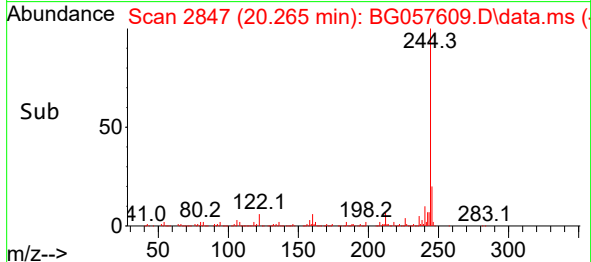
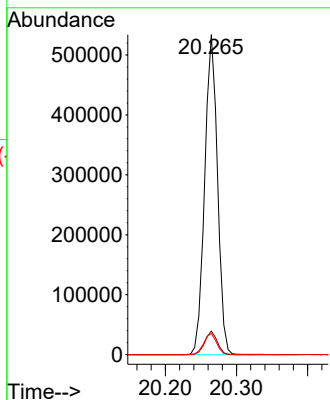
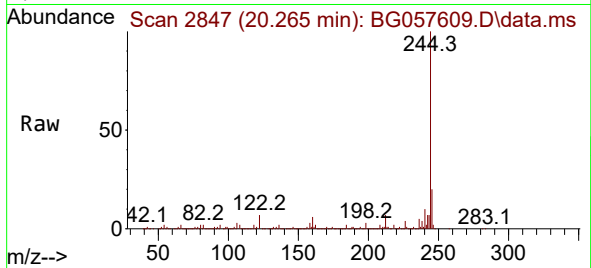




#79
 Terphenyl-d14
 Concen: 76.305 ng
 RT: 20.265 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057609.D
 Acq: 30 May 2023 16:49

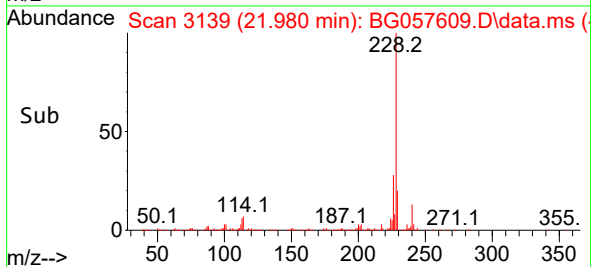
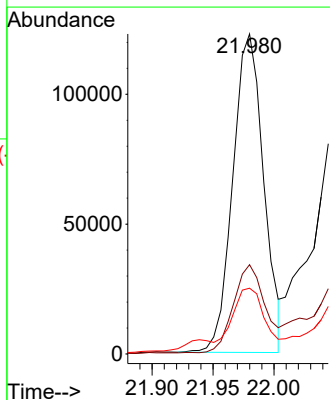
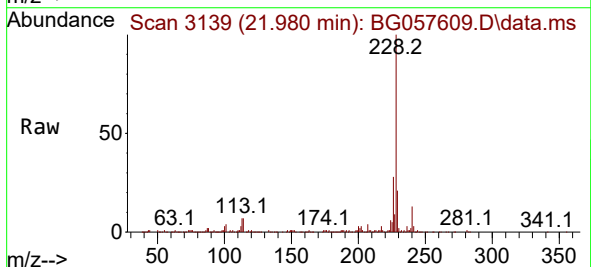
Instrument :
 BNA_G
 ClientSampleId :
 SB27

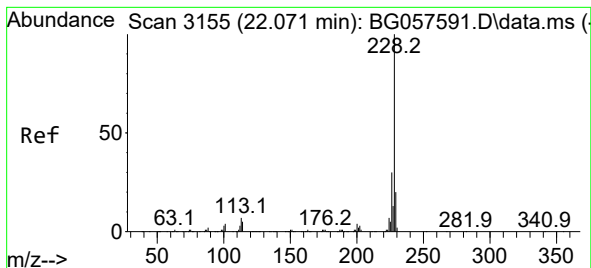
Tgt Ion:244 Resp: 669110
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.6 8.4
 122 6.6 4.8 7.2



#81
 Benzo(a)anthracene
 Concen: 20.444 ng
 RT: 21.980 min Scan# 3139
 Delta R.T. 0.002 min
 Lab File: BG057609.D
 Acq: 30 May 2023 16:49

Tgt Ion:228 Resp: 215436
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.4 32.0
 229 20.6 15.4 23.2





#83

Chrysene

Concen: 19.300 ng

RT: 22.050 min Scan# 3151

Delta R.T. -0.004 min

Lab File: BG057609.D

Acq: 30 May 2023 16:49

Instrument :

BNA_G

ClientSampleId :

SB27

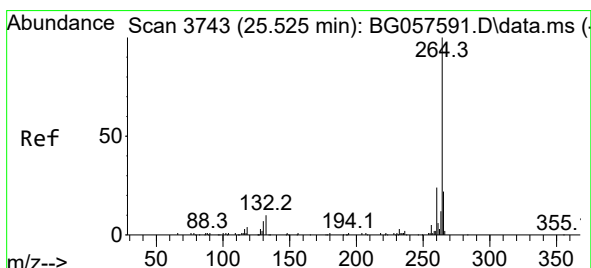
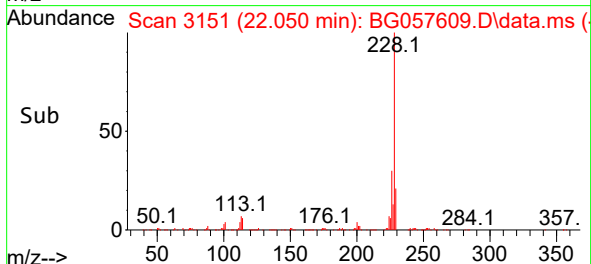
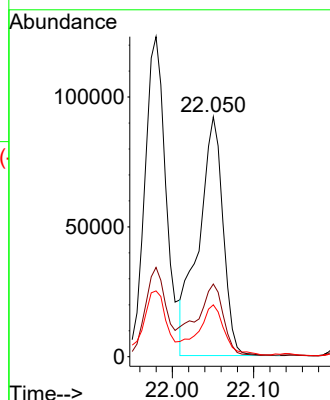
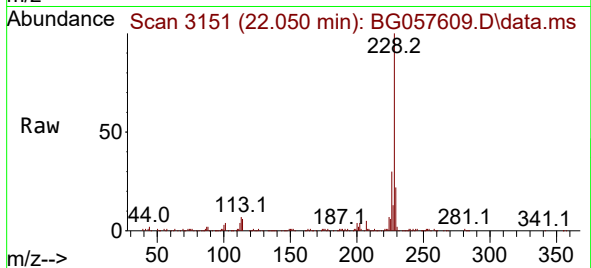
Tgt Ion:228 Resp: 192196

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 21.6 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.493 min Scan# 3737

Delta R.T. 0.002 min

Lab File: BG057609.D

Acq: 30 May 2023 16:49

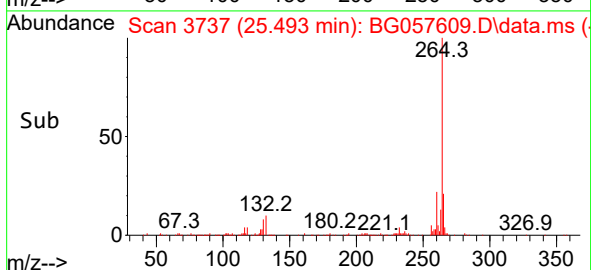
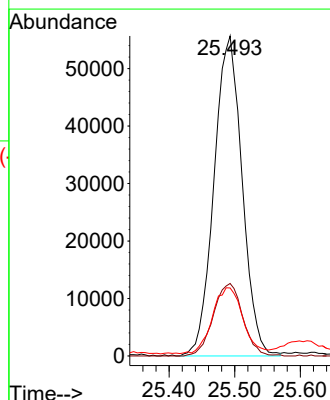
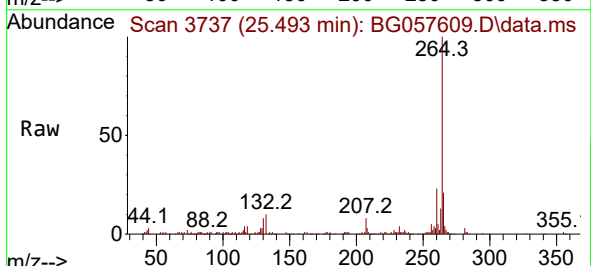
Tgt Ion:264 Resp: 165616

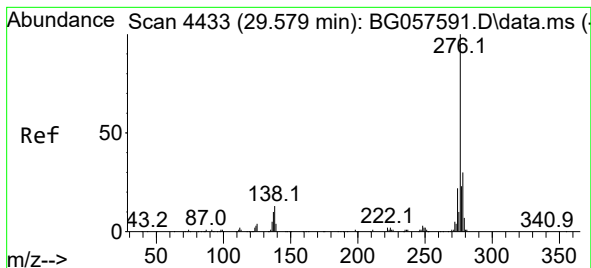
Ion Ratio Lower Upper

264 100

260 22.6 19.1 28.7

265 21.2 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.265 ng

RT: 29.511 min Scan# 4421

Delta R.T. -0.010 min

Lab File: BG057609.D

Acq: 30 May 2023 16:49

Instrument :

BNA_G

ClientSampleId :

SB27

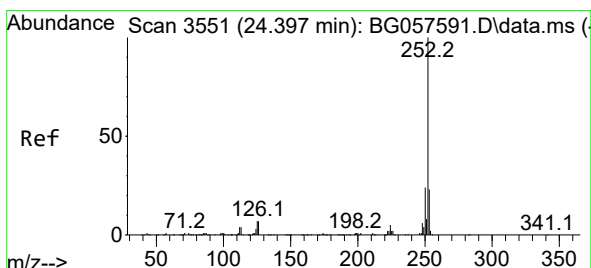
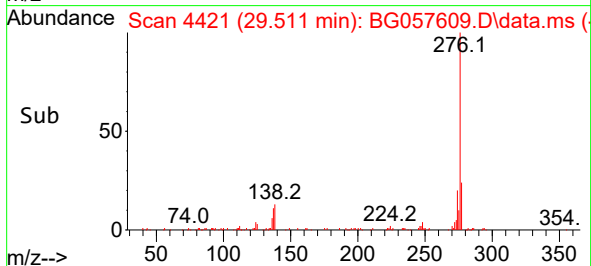
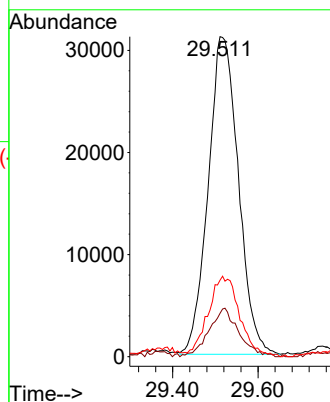
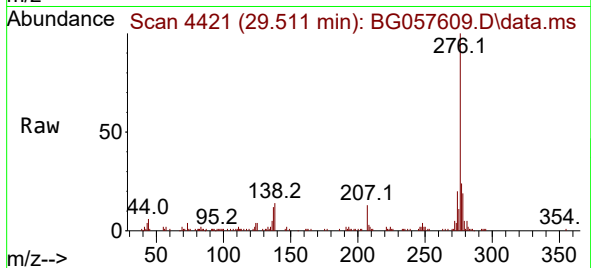
Tgt Ion:276 Resp: 153166

Ion Ratio Lower Upper

276 100

138 15.0 12.3 18.5

277 26.6 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 33.303 ng

RT: 24.371 min Scan# 3546

Delta R.T. -0.004 min

Lab File: BG057609.D

Acq: 30 May 2023 16:49

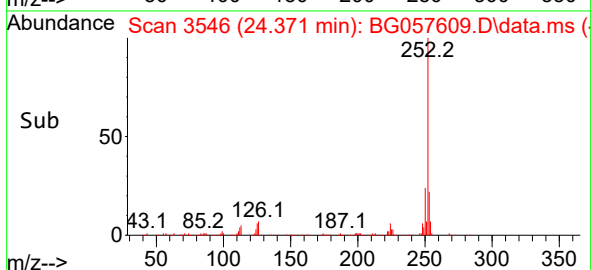
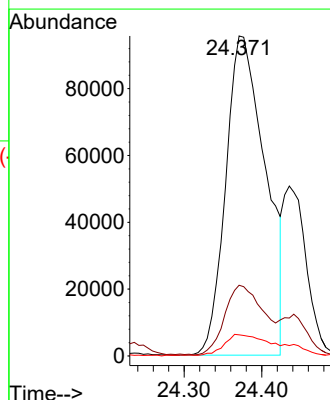
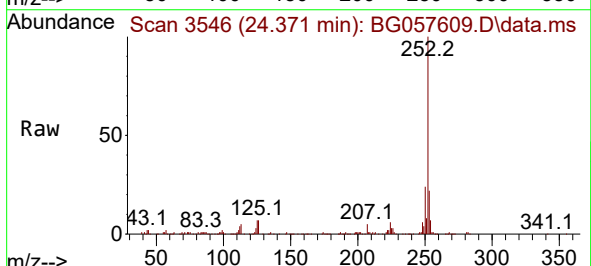
Tgt Ion:252 Resp: 339501

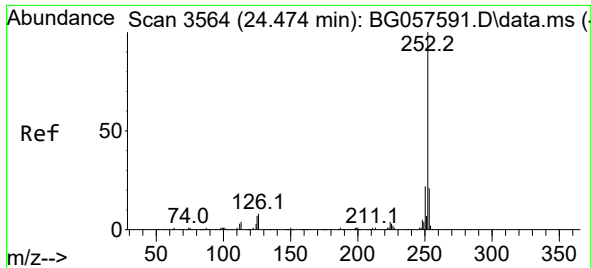
Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

125 6.6 5.2 7.8

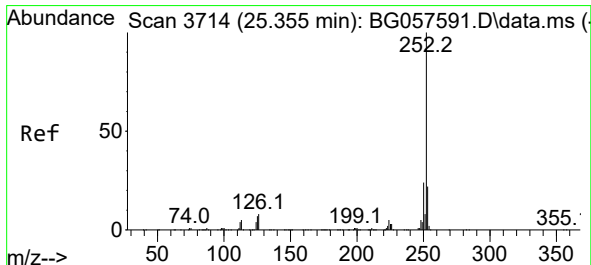
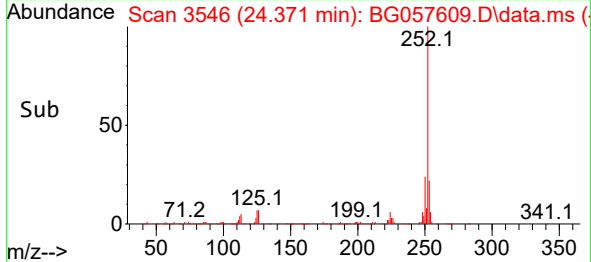
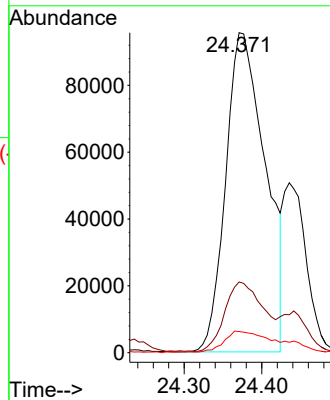
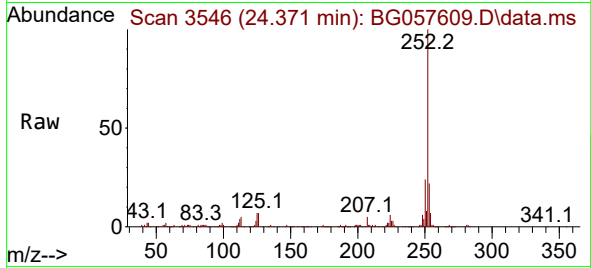




#89
Benzo(k)fluoranthene
Concen: 32.999 ng
RT: 24.371 min Scan# 31
Delta R.T. -0.075 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

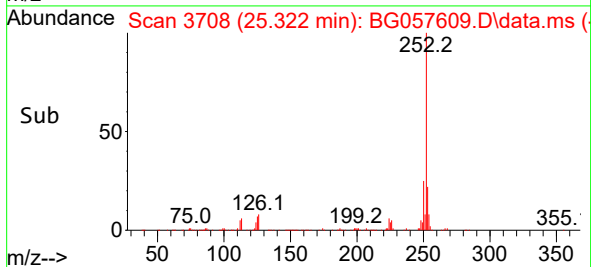
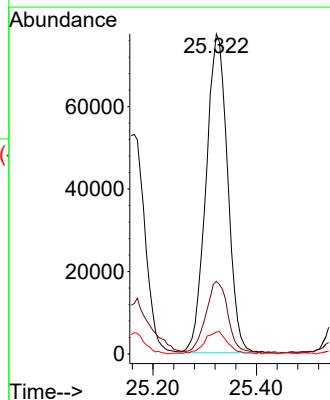
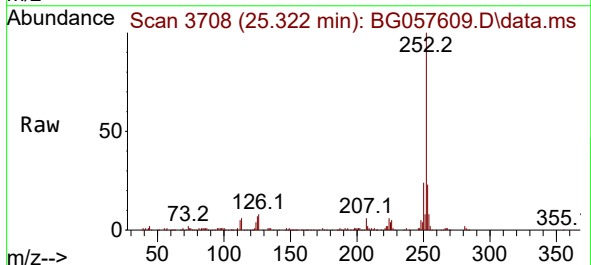
Instrument :
BNA_G
ClientSampleId :
SB27

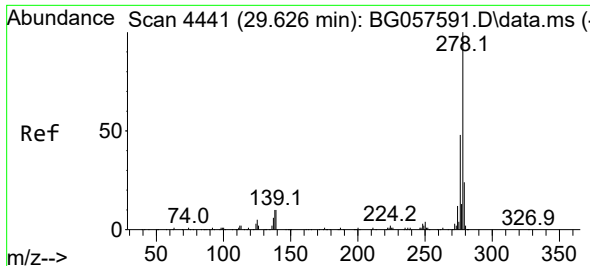
Tgt Ion:252 Resp: 339501
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 6.6 5.1 7.7



#90
Benzo(a)pyrene
Concen: 22.464 ng
RT: 25.322 min Scan# 3708
Delta R.T. -0.004 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion:252 Resp: 223322
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 6.8 5.3 7.9

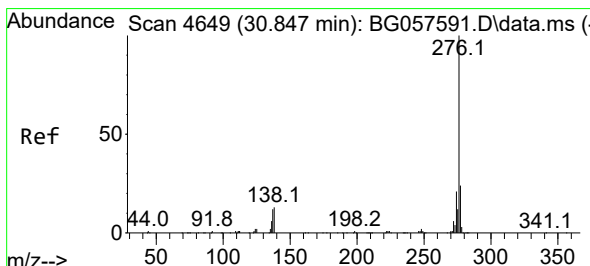
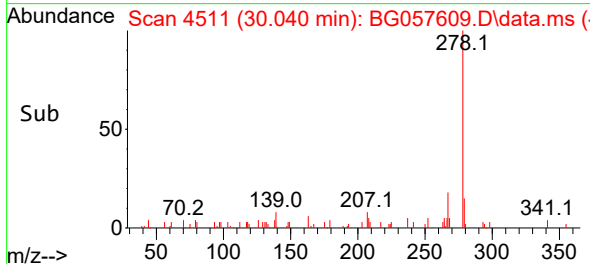
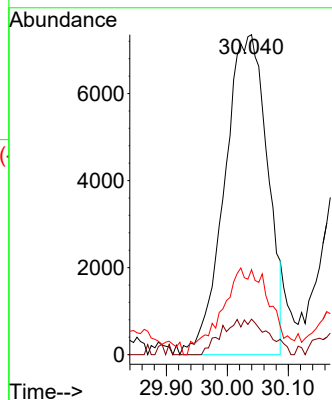
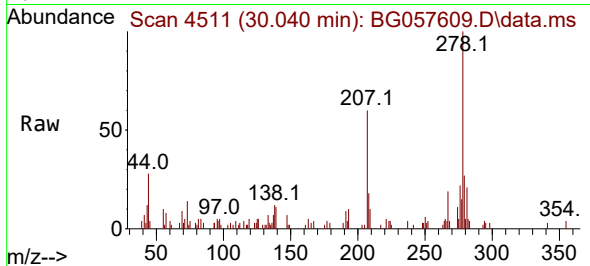




#91
Dibenzo(a,h)anthracene
Concen: 3.727 ng
RT: 30.040 min Scan# 4
Delta R.T. 0.460 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Instrument :
BNA_G
ClientSampleId :
SB27

Tgt Ion:278 Resp: 35816
Ion Ratio Lower Upper
278 100
139 11.1 7.8 11.8
279 26.5 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 14.695 ng
RT: 30.786 min Scan# 4638
Delta R.T. -0.016 min
Lab File: BG057609.D
Acq: 30 May 2023 16:49

Tgt Ion:276 Resp: 137720
Ion Ratio Lower Upper
276 100
277 24.2 18.9 28.3
138 13.5 10.2 15.4

