

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
 Data File : BG057611.D
 Acq On : 30 May 2023 18:10
 Operator : CG/JU
 Sample : 02955-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC26

Quant Time: May 31 03:29:13 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)

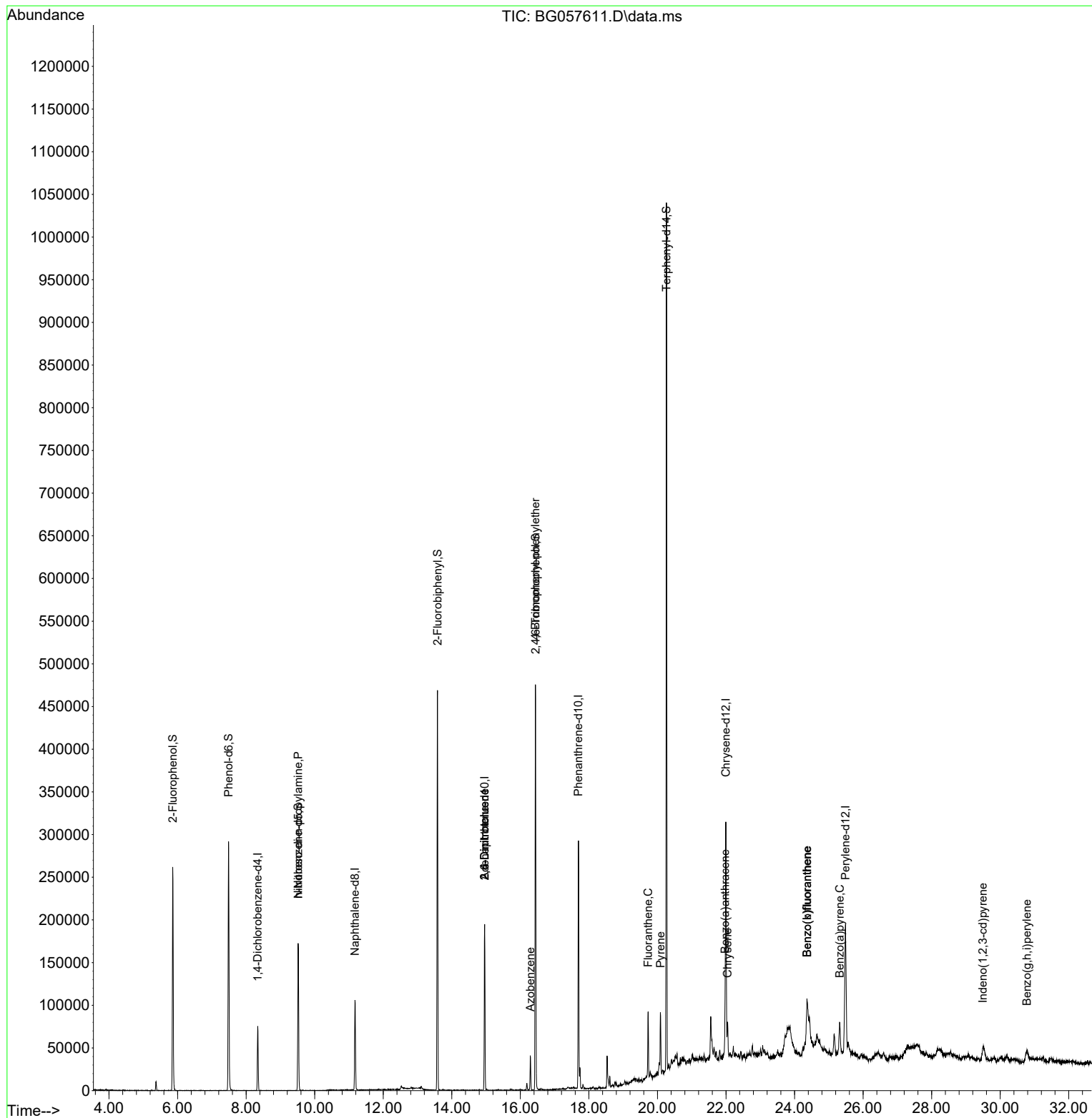
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.337	152	21892	20.000	ng	0.00
21) Naphthalene-d8	11.175	136	91704	20.000	ng	# 0.00
39) Acenaphthene-d10	14.958	164	71070	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	180670	20.000	ng	0.00
76) Chrysene-d12	21.995	240	162510	20.000	ng	0.00
86) Perylene-d12	25.485	264	174135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	122093	96.891	ng	0.00
7) Phenol-d6	7.485	99	190029	96.361	ng	0.00
23) Nitrobenzene-d5	9.518	82	115679	58.967	ng	0.00
42) 2,4,6-Tribromophenol	16.444	330	100247	88.102	ng	0.00
45) 2-Fluorobiphenyl	13.583	172	256888	51.946	ng	0.00
79) Terphenyl-d14	20.262	244	516484	55.053	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.518	70	16002	11.680	ng	# 77
51) 2,6-Dinitrotoluene	14.958	165	8998	7.176	ng	# 27
57) 2,4-Dinitrotoluene	14.958	165	8998	4.793	ng	# 25
63) Azobenzene	16.291	77	12335	2.269	ng	# 1
67) 4-Bromophenyl-phenylether	16.438	248	7002	3.455	ng	# 1
75) Fluoranthene	19.728	202	48838	4.069	ng	98
78) Pyrene	20.086	202	47755	4.127	ng	99
81) Benzo(a)anthracene	21.972	228	33186	2.943	ng	97
83) Chrysene	22.048	228	30782	2.889	ng	97
87) Indeno(1,2,3-cd)pyrene	29.491	276	29281	2.412	ng	# 82
88) Benzo(b)fluoranthene	24.368	252	52218	4.872	ng	# 97
89) Benzo(k)fluoranthene	24.368	252	52218	4.827	ng	# 94
90) Benzo(a)pyrene	25.320	252	41576	3.977	ng	# 97
92) Benzo(g,h,i)perylene	30.777	276	28583	2.901	ng	99

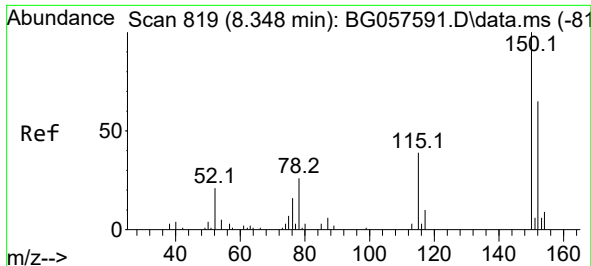
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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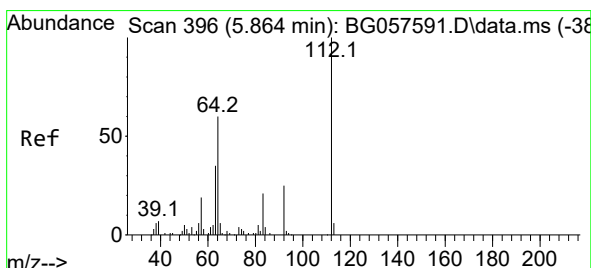
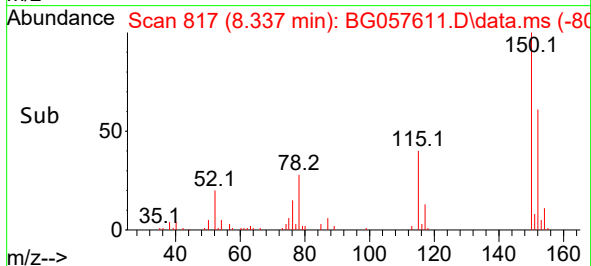
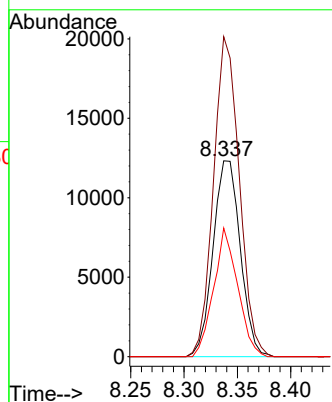
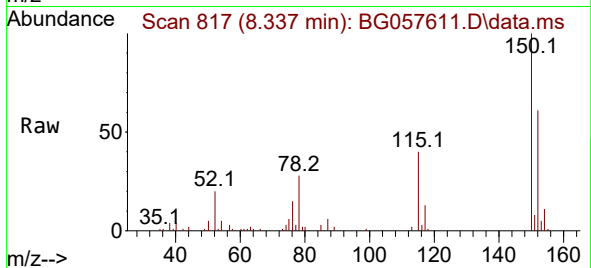




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.337 min Scan# 819
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

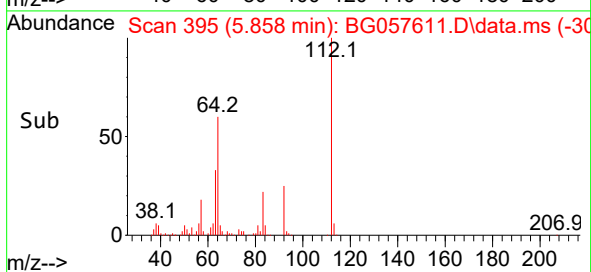
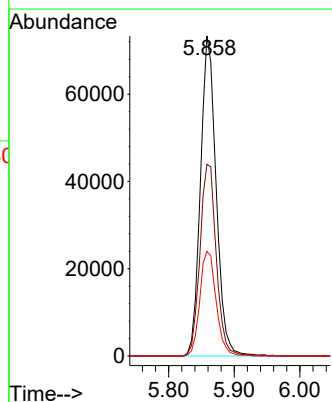
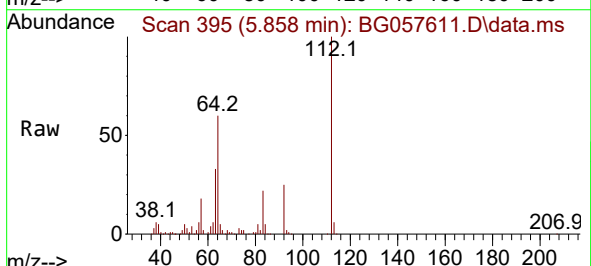
Instrument :
BNA_G
ClientSampleId :
WC26

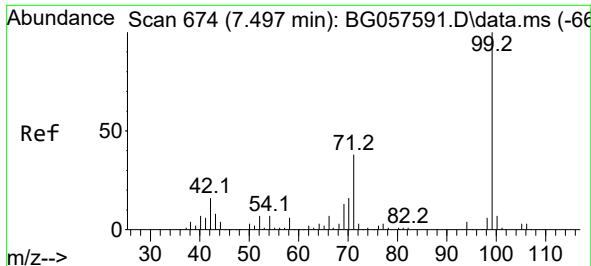
Tgt Ion:152 Resp: 21892
Ion Ratio Lower Upper
152 100
150 163.4 123.0 184.4
115 65.7 47.4 71.2



#5
2-Fluorophenol
Concen: 96.891 ng
RT: 5.858 min Scan# 395
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:112 Resp: 122093
Ion Ratio Lower Upper
112 100
64 59.9 47.8 71.6
63 32.7 27.8 41.8

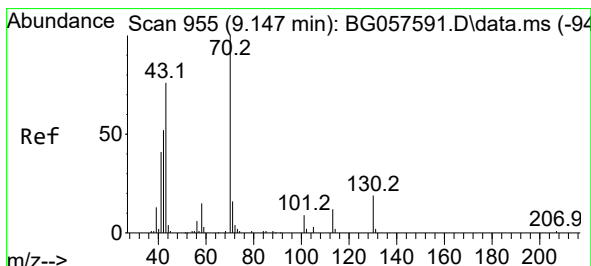
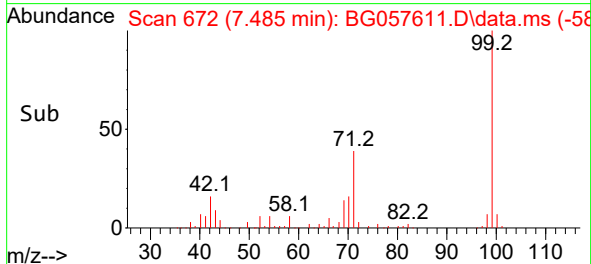
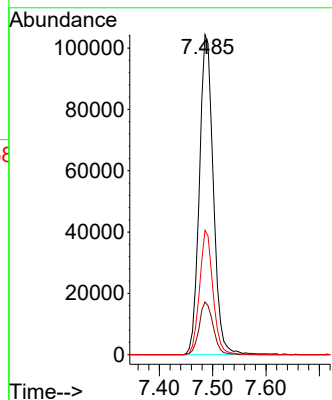
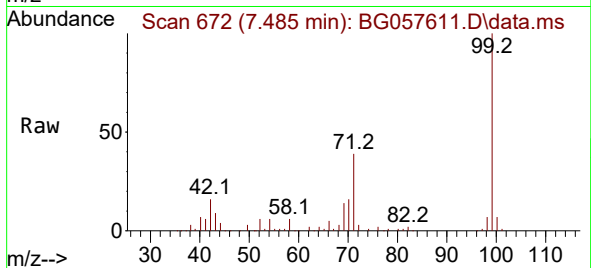




#7
Phenol-d6
Concen: 96.361 ng
RT: 7.485 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

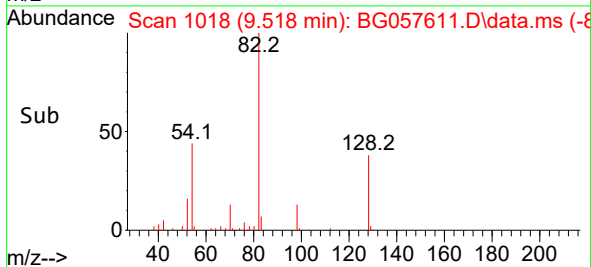
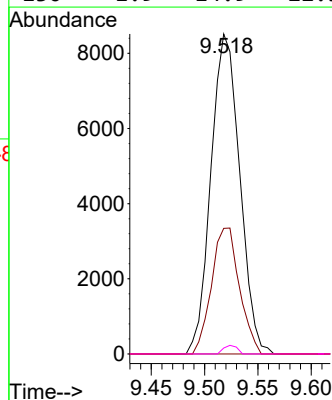
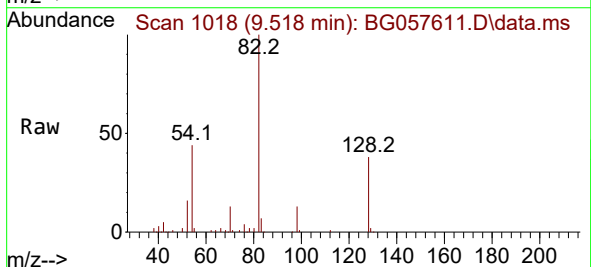
Instrument :
BNA_G
ClientSampleId :
WC26

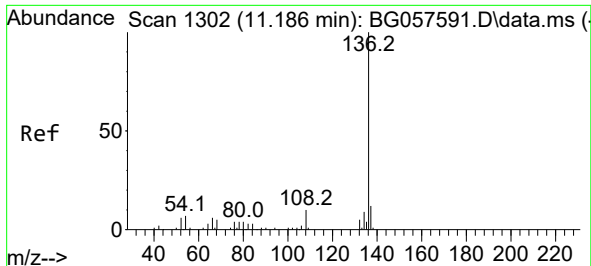
Tgt Ion: 99 Resp: 190029
Ion Ratio Lower Upper
99 100
42 16.4 12.8 19.2
71 38.8 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.680 ng
RT: 9.518 min Scan# 1018
Delta R.T. 0.375 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion: 70 Resp: 16002
Ion Ratio Lower Upper
70 100
42 39.2 41.4 62.0#
101 0.0 6.9 10.3#
130 1.9 14.9 22.3#

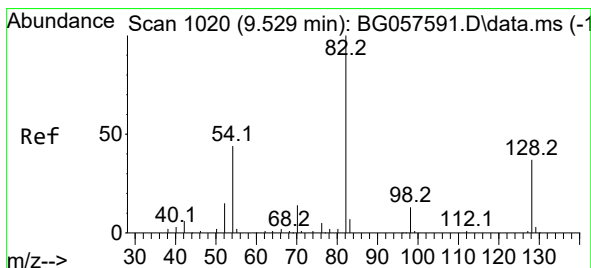
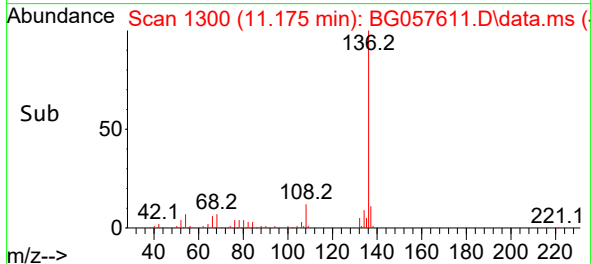
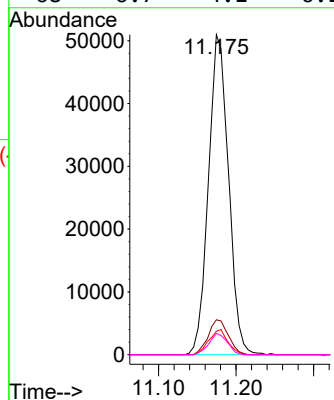
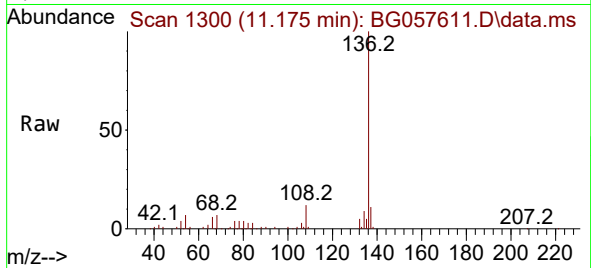




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.175 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

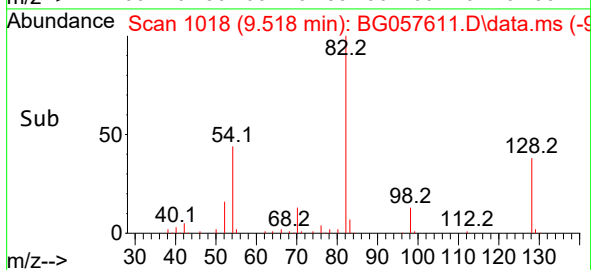
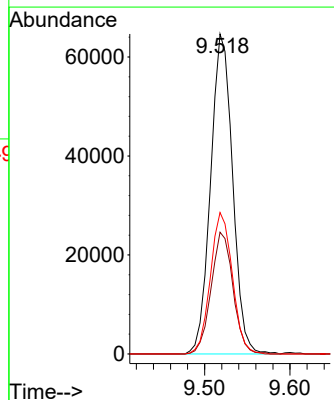
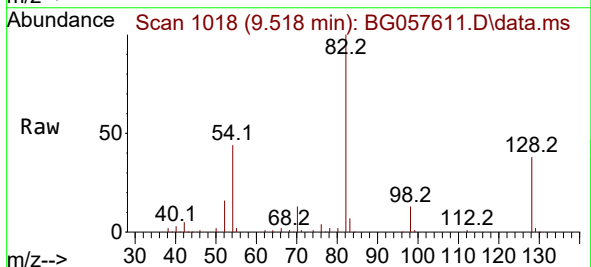
Instrument :
BNA_G
ClientSampleId :
WC26

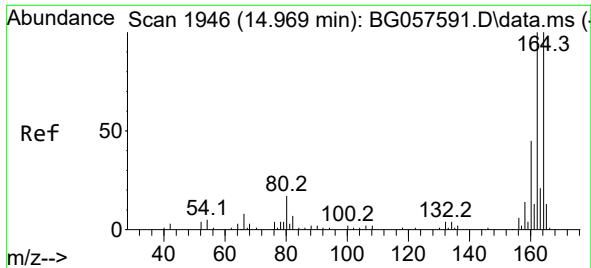
Tgt Ion:136 Resp: 91704
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.8
54 7.3 5.8 8.6
68 6.7 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 58.967 ng
RT: 9.518 min Scan# 1018
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion: 82 Resp: 115679
Ion Ratio Lower Upper
82 100
128 38.1 30.0 45.0
54 44.2 35.2 52.8

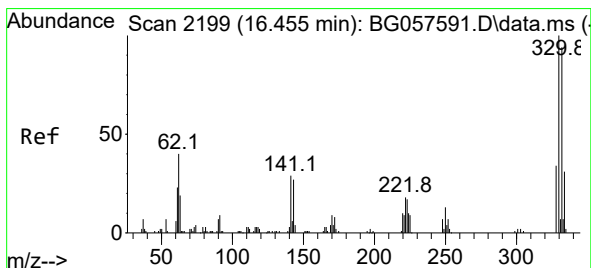
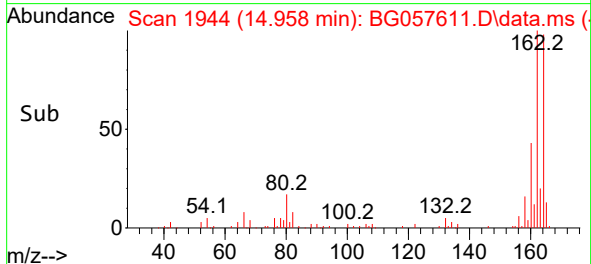
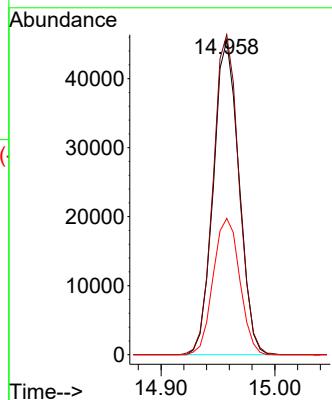
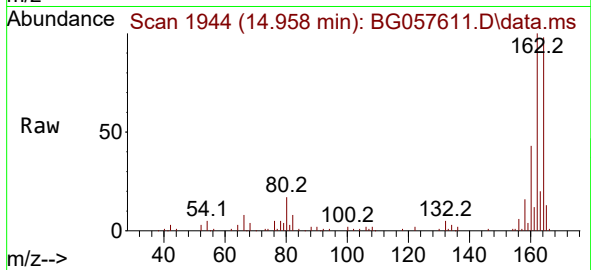




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.958 min Scan# 1944
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

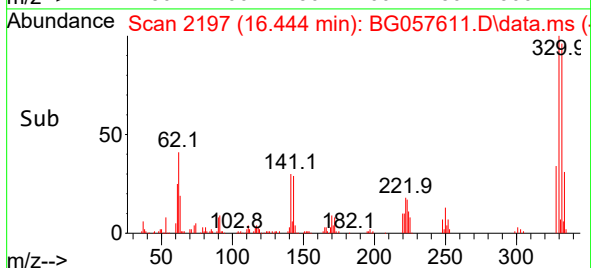
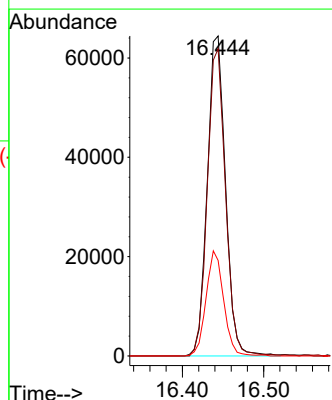
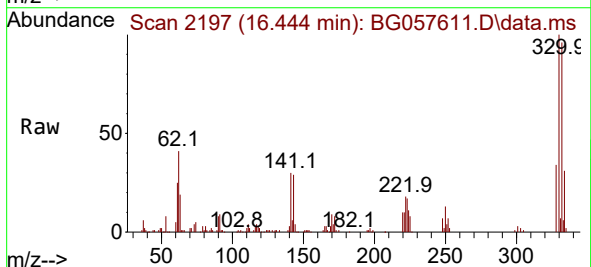
Instrument :
BNA_G
ClientSampleId :
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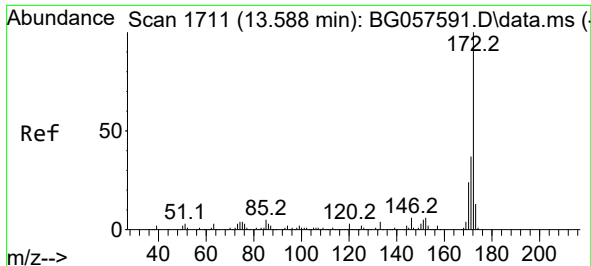
Tgt Ion:164 Resp: 71070
Ion Ratio Lower Upper
164 100
162 101.7 80.1 120.1
160 43.3 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 88.102 ng
RT: 16.444 min Scan# 2197
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:330 Resp: 100247
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 31.8 24.6 37.0

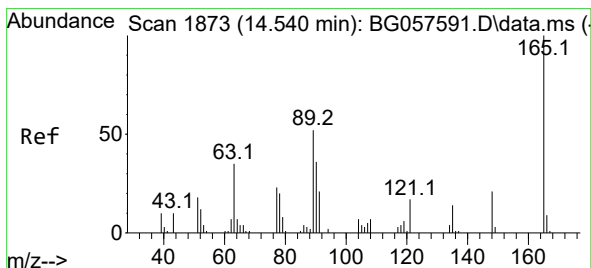
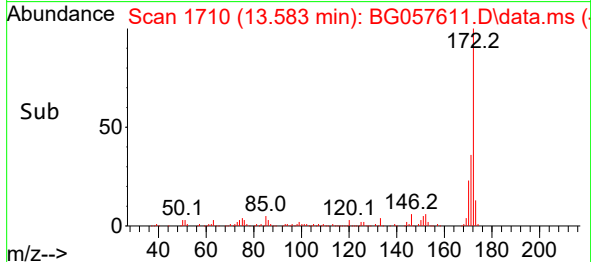
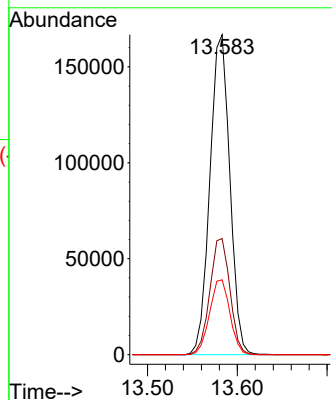
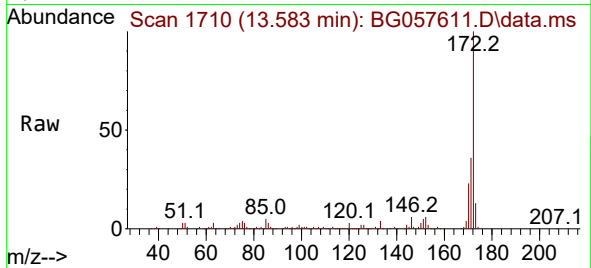




#45
2-Fluorobiphenyl
Concen: 51.946 ng
RT: 13.583 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

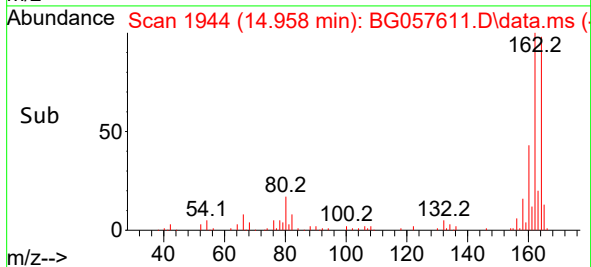
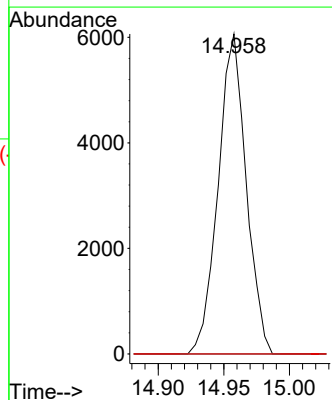
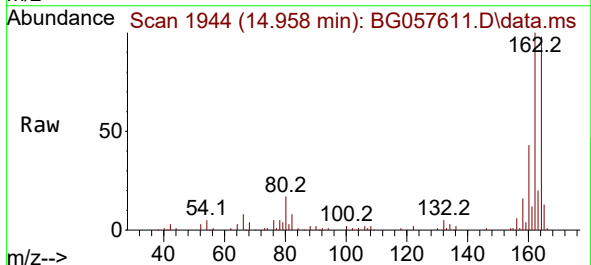
Instrument :
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ClientSampleId :
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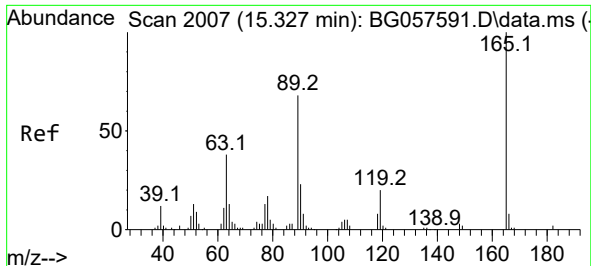
Tgt Ion:172 Resp: 256888
Ion Ratio Lower Upper
172 100
171 36.3 29.2 43.8
170 23.4 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 7.176 ng
RT: 14.958 min Scan# 1944
Delta R.T. 0.428 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:165 Resp: 8998
Ion Ratio Lower Upper
165 100
63 0.0 39.3 58.9#
89 0.0 41.5 62.3#





#57

2,4-Dinitrotoluene

Concen: 4.793 ng

RT: 14.958 min Scan# 1944

Delta R.T. -0.365 min

Lab File: BG057611.D

Acq: 30 May 2023 18:10

Instrument :

BNA_G

ClientSampleId :

WC26

Tgt Ion:165 Resp: 8998

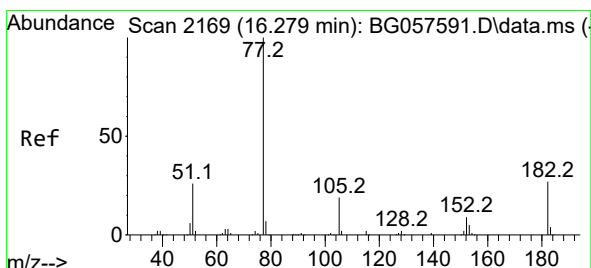
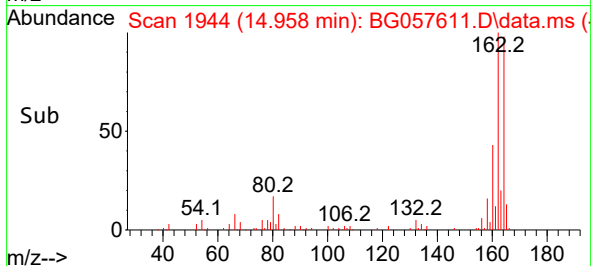
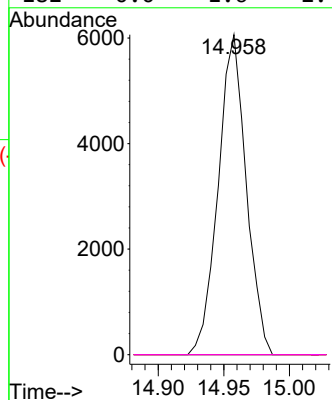
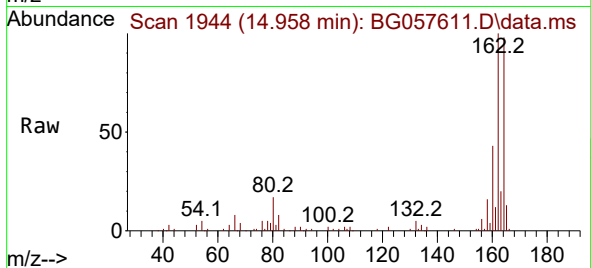
Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 0.0 54.2 81.2#

182 0.0 1.6 2.4#



#63

Azobenzene

Concen: 2.269 ng

RT: 16.291 min Scan# 2171

Delta R.T. 0.023 min

Lab File: BG057611.D

Acq: 30 May 2023 18:10

Tgt Ion: 77 Resp: 12335

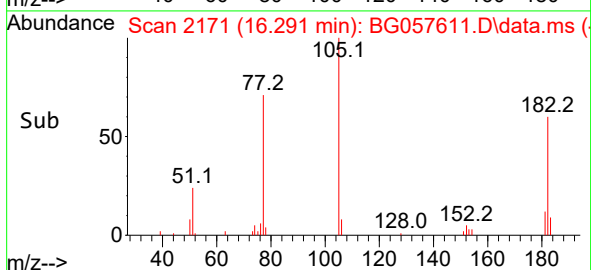
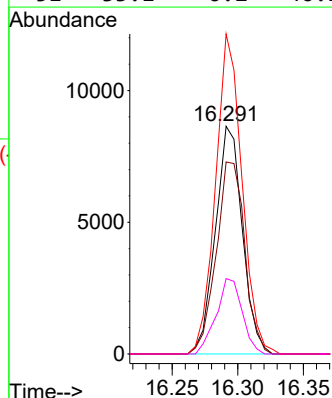
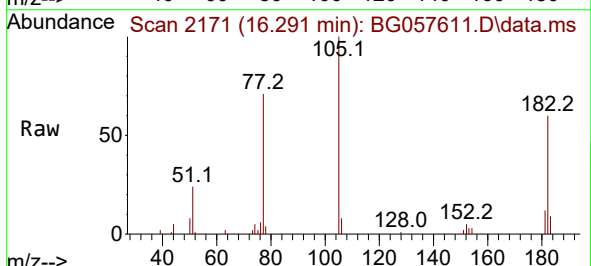
Ion Ratio Lower Upper

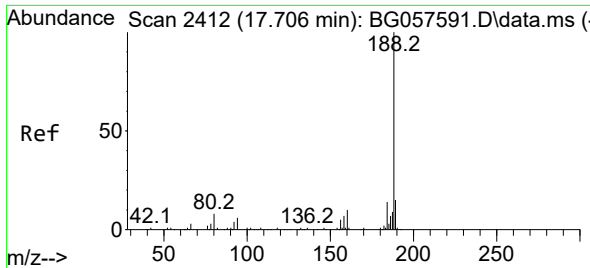
77 100

182 84.3 7.4 47.4#

105 140.5 0.0 39.4#

51 33.1 6.2 46.2

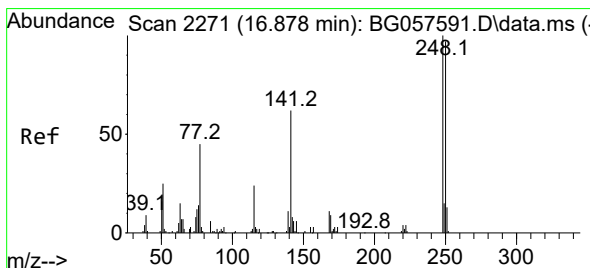
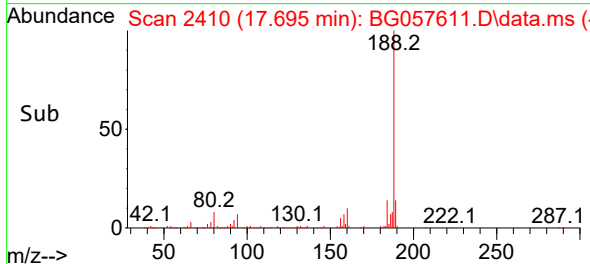
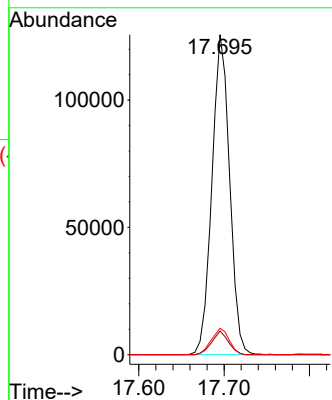
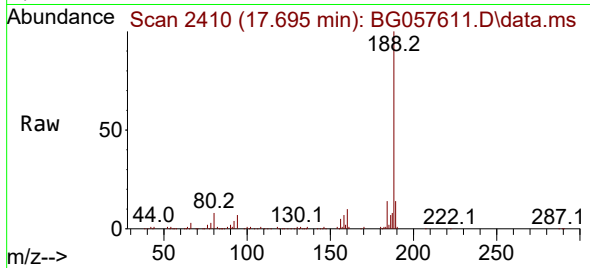




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.695 min Scan# 2412
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

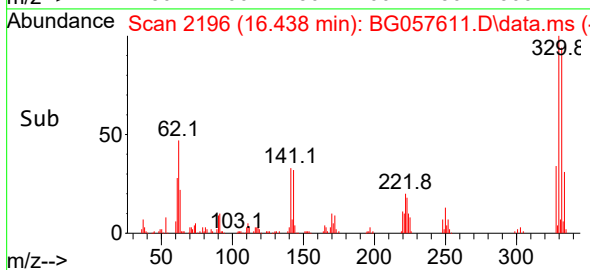
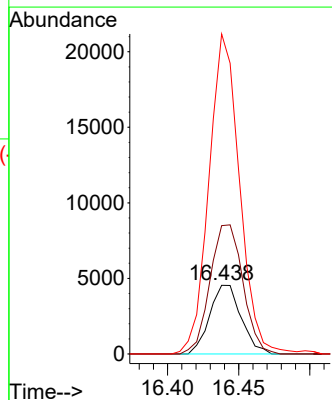
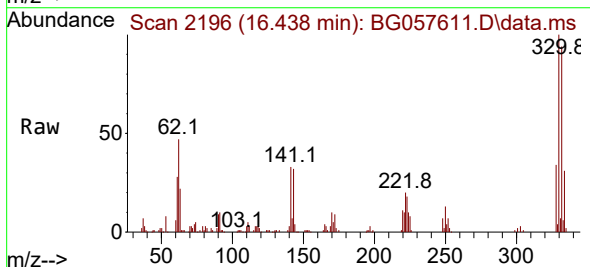
Instrument :
BNA_G
ClientSampleId :
WC26

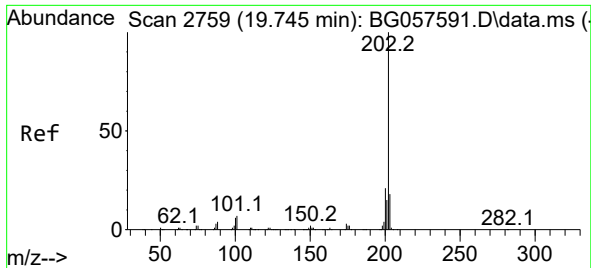
Tgt Ion:188 Resp: 180670
Ion Ratio Lower Upper
188 100
94 7.4 5.2 7.8
80 8.3 6.7 10.1



#67
4-Bromophenyl-phenylether
Concen: 3.455 ng
RT: 16.438 min Scan# 2196
Delta R.T. -0.435 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:248 Resp: 7002
Ion Ratio Lower Upper
248 100
250 186.8 77.4 116.2#
141 465.9 49.4 74.0#

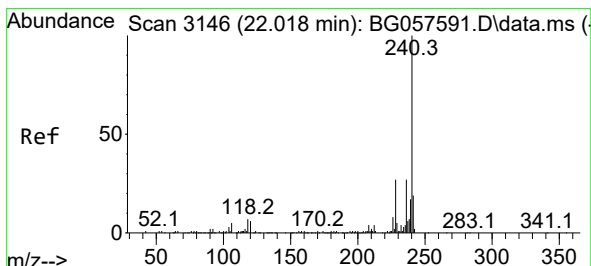
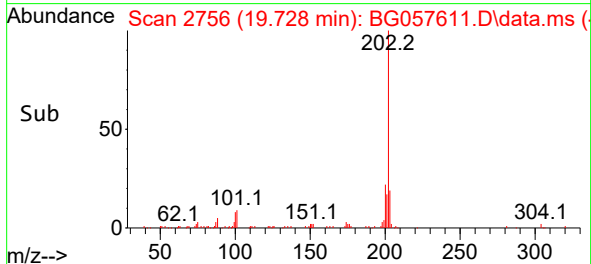
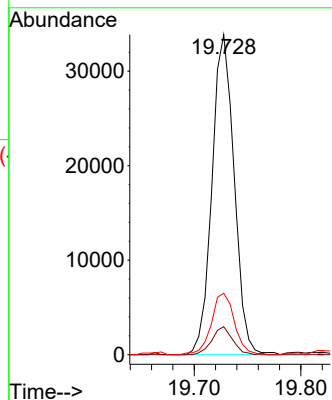
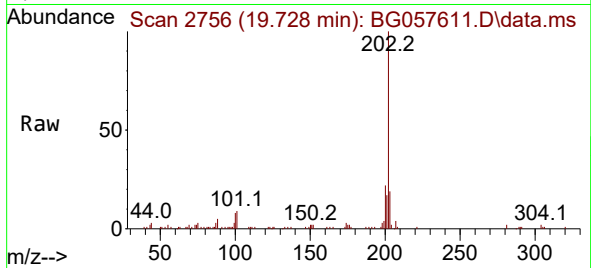




#75
Fluoranthene
Concen: 4.069 ng
RT: 19.728 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

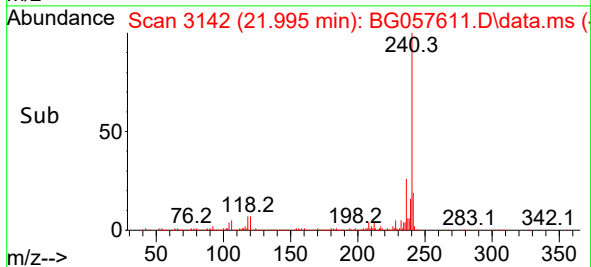
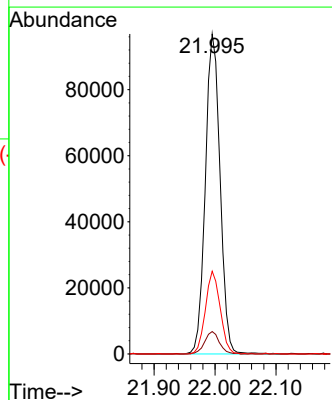
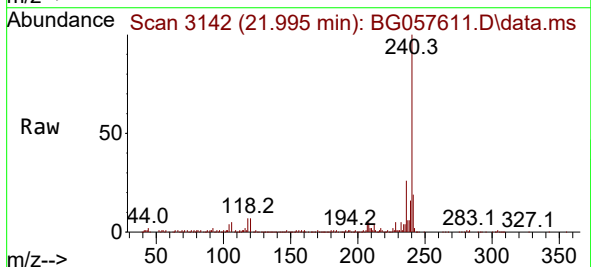
Instrument :
BNA_G
ClientSampleId :
WC26

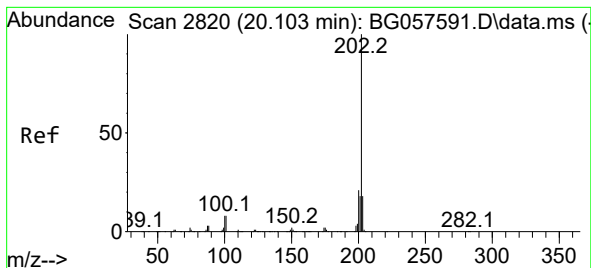
Tgt Ion:202 Resp: 48838
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.5
203 19.2 0.0 38.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.995 min Scan# 3142
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:240 Resp: 162510
Ion Ratio Lower Upper
240 100
120 7.0 5.2 7.8
236 25.9 21.4 32.0





#78

Pyrene

Concen: 4.127 ng

RT: 20.086 min Scan# 2817

Delta R.T. -0.007 min

Lab File: BG057611.D

Acq: 30 May 2023 18:10

Instrument :

BNA_G

ClientSampleId :

WC26

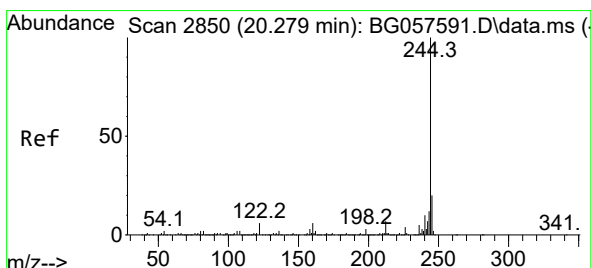
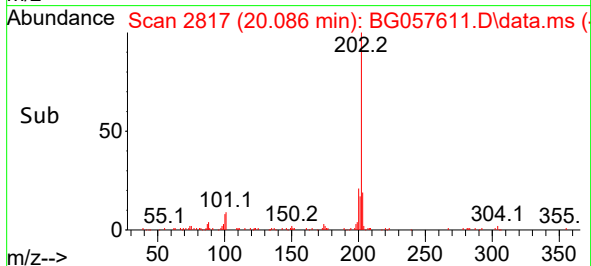
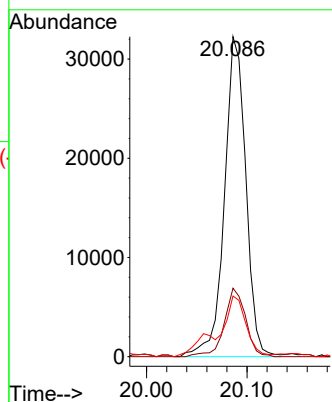
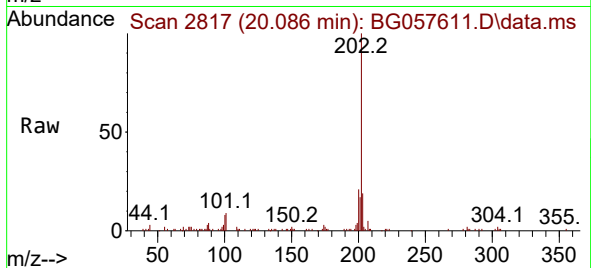
Tgt Ion:202 Resp: 47755

Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 18.9 14.5 21.7



#79

Terphenyl-d14

Concen: 55.053 ng

RT: 20.262 min Scan# 2847

Delta R.T. -0.007 min

Lab File: BG057611.D

Acq: 30 May 2023 18:10

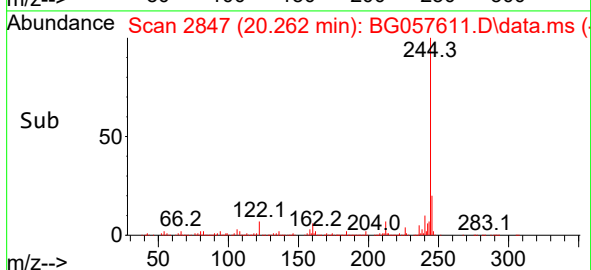
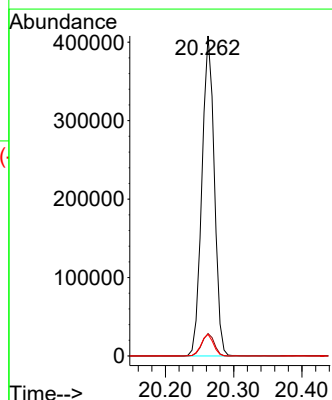
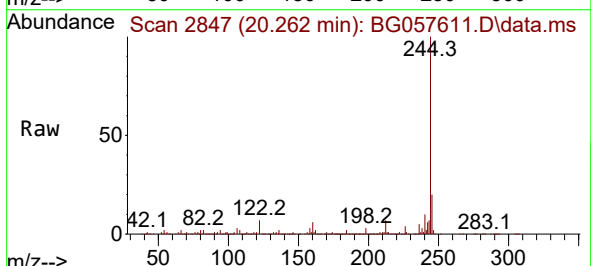
Tgt Ion:244 Resp: 516484

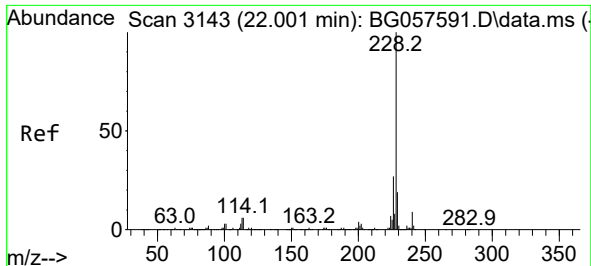
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 6.7 4.8 7.2

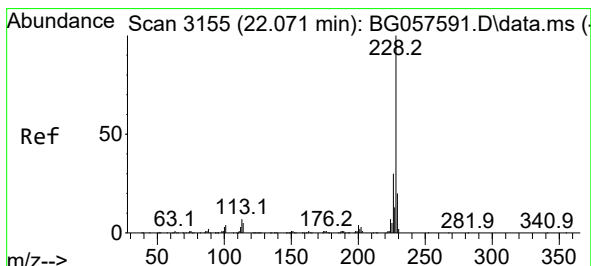
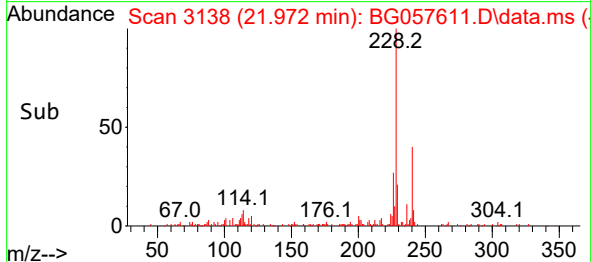
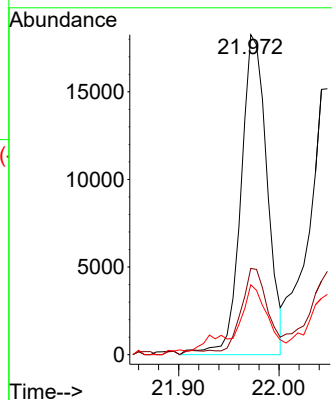
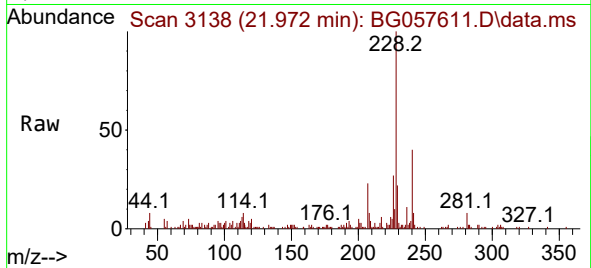




#81
Benzo(a)anthracene
Concen: 2.943 ng
RT: 21.972 min Scan# 3143
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

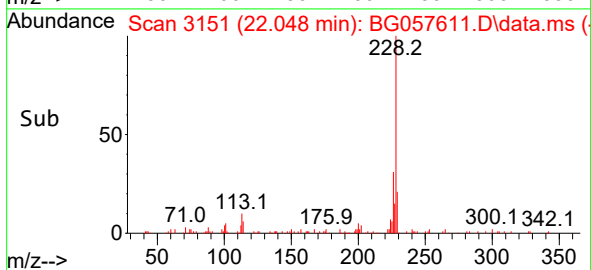
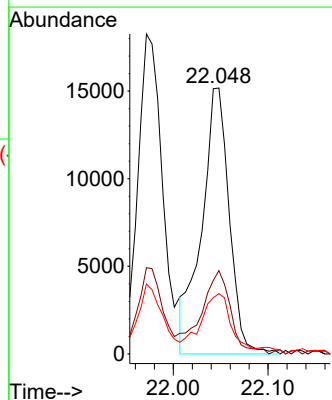
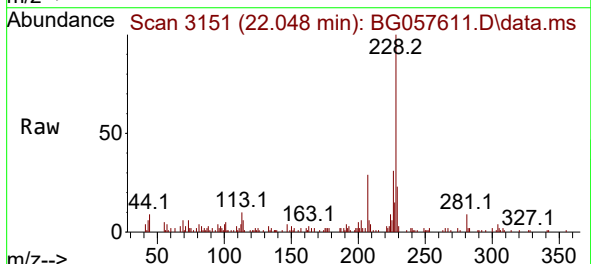
Instrument :
BNA_G
ClientSampleId :
WC26

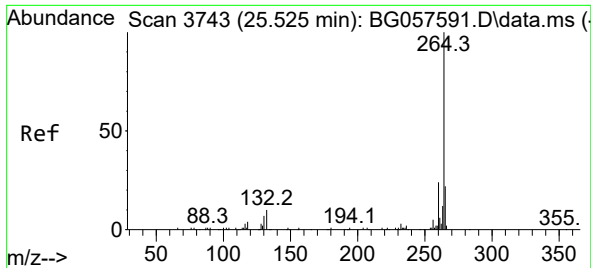
Tgt Ion:228 Resp: 33186
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.0
229 21.9 15.4 23.2



#83
Chrysene
Concen: 2.889 ng
RT: 22.048 min Scan# 3151
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:228 Resp: 30782
Ion Ratio Lower Upper
228 100
226 31.4 24.3 36.5
229 22.7 16.0 24.0

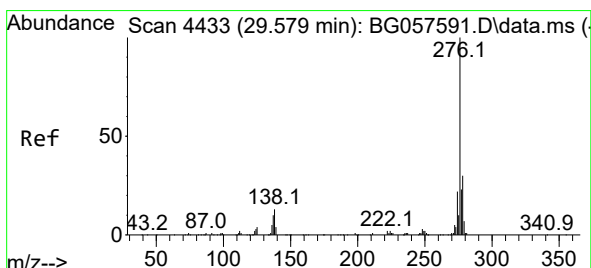
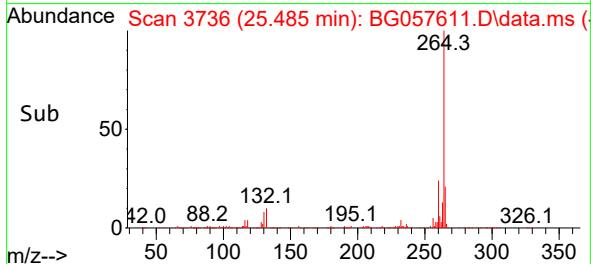
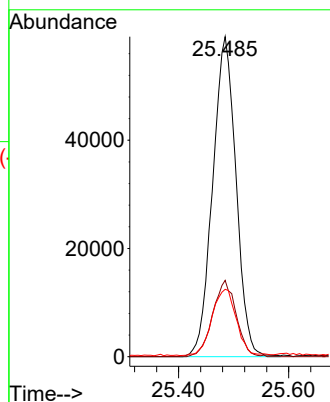
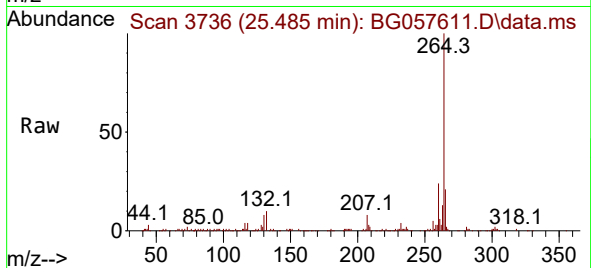




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.485 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

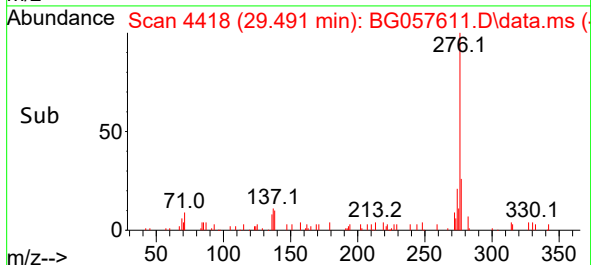
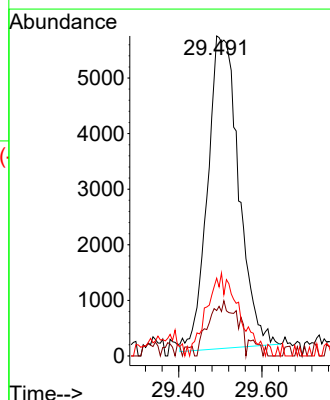
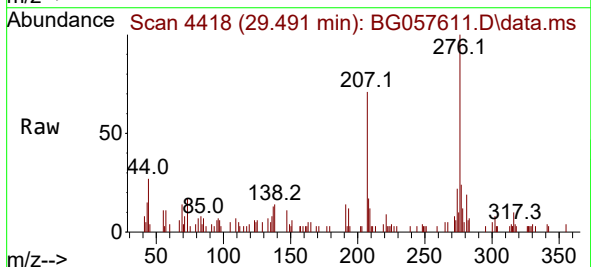
Instrument :
BNA_G
ClientSampleId :
WC26

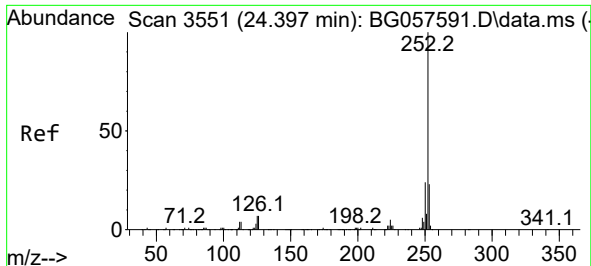
Tgt Ion:264 Resp: 174135
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 21.0 17.7 26.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.412 ng
RT: 29.491 min Scan# 4418
Delta R.T. -0.030 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:276 Resp: 29281
Ion Ratio Lower Upper
276 100
138 15.7 12.3 18.5
277 11.3 20.5 30.7#

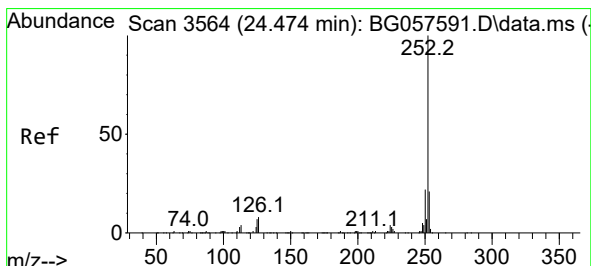
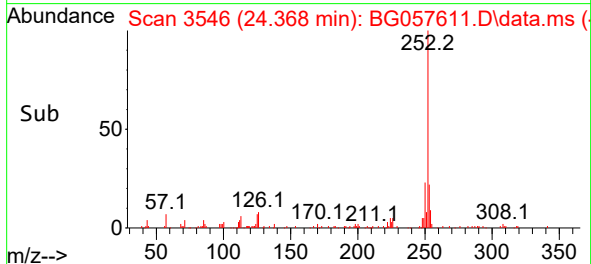
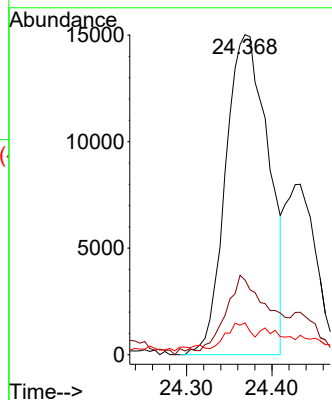
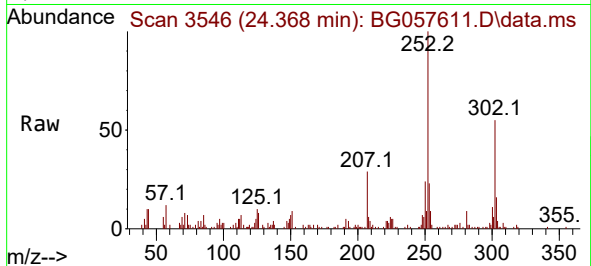




#88
Benzo(b)fluoranthene
Concen: 4.872 ng
RT: 24.368 min Scan# 3551
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

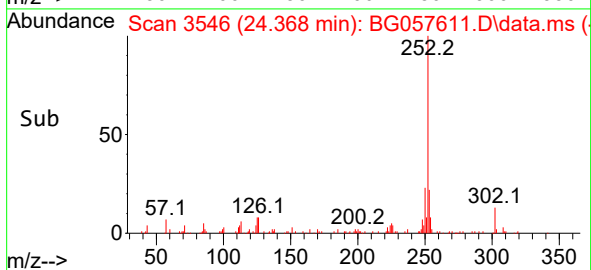
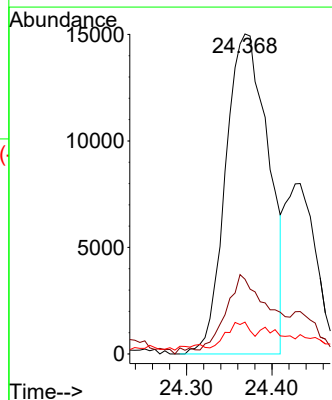
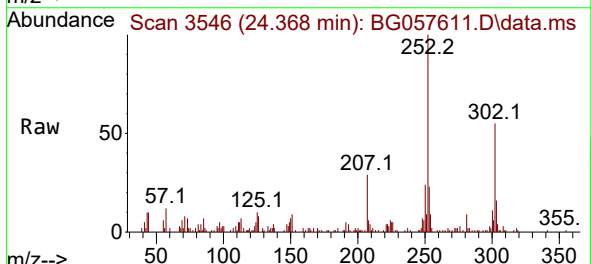
Instrument :
BNA_G
ClientSampleId :
WC26

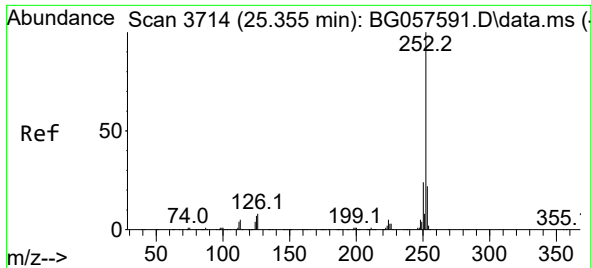
Tgt Ion:252 Resp: 52218
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 10.0 5.2 7.8#



#89
Benzo(k)fluoranthene
Concen: 4.827 ng
RT: 24.368 min Scan# 3546
Delta R.T. -0.077 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:252 Resp: 52218
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.6
125 10.0 5.1 7.7#

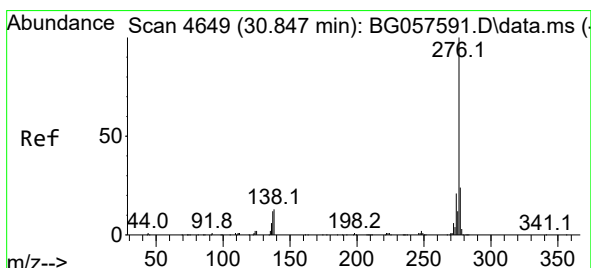
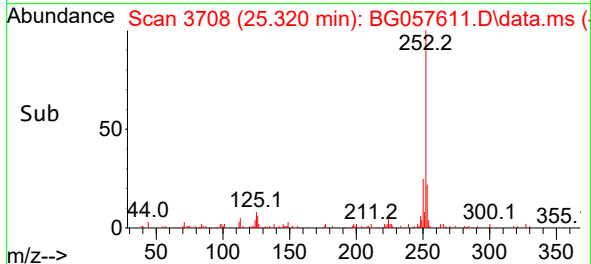
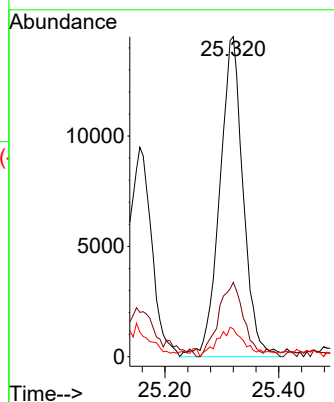
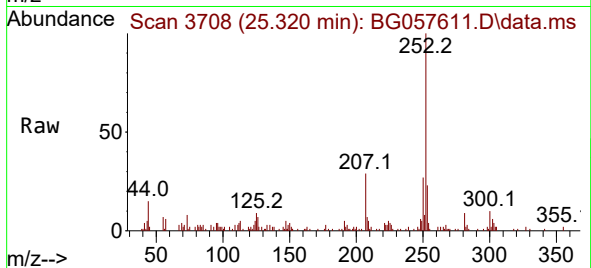




#90
Benzo(a)pyrene
Concen: 3.977 ng
RT: 25.320 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Instrument :
BNA_G
ClientSampleId :
WC26

Tgt Ion:252 Resp: 41576
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 8.7 5.3 7.9#



#92
Benzo(g,h,i)perylene
Concen: 2.901 ng
RT: 30.777 min Scan# 4637
Delta R.T. -0.024 min
Lab File: BG057611.D
Acq: 30 May 2023 18:10

Tgt Ion:276 Resp: 28583
Ion Ratio Lower Upper
276 100
277 23.5 18.9 28.3
138 13.6 10.2 15.4

