

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053123\
 Data File : BG057632.D
 Acq On : 31 May 2023 22:11
 Operator : CG/JU
 Sample : 02979-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR044-VNJ224

Quant Time: Jun 01 03:58:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 03:51:58 2023
 Response via : Initial Calibration

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

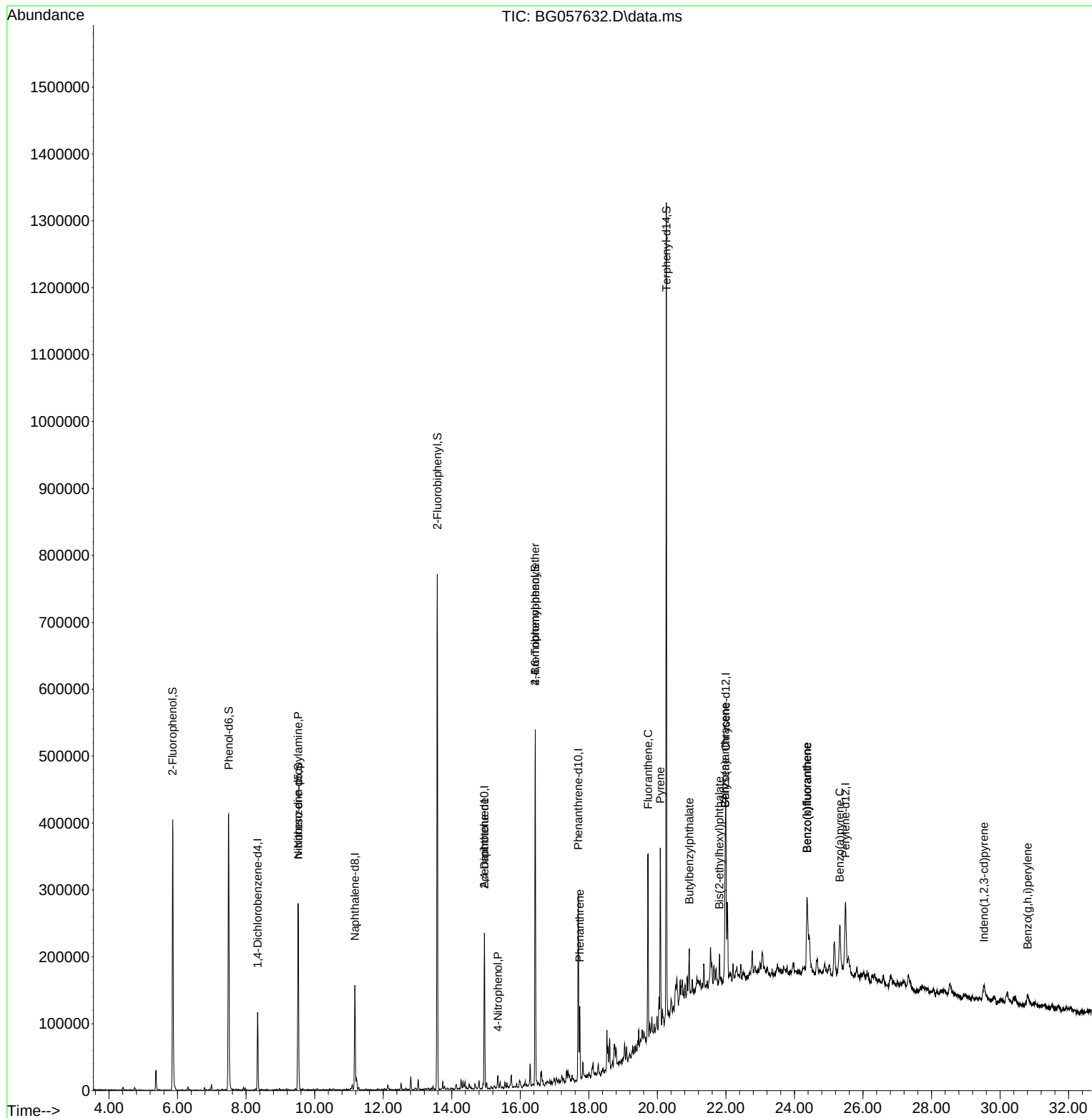
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.337	152	33902	20.000	ng	0.00
21) Naphthalene-d8	11.174	136	133734	20.000	ng	0.00
39) Acenaphthene-d10	14.952	164	84750	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	182299	20.000	ng	0.00
76) Chrysene-d12	21.995	240	152068	20.000	ng	0.00
86) Perylene-d12	25.490	264	155606	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	194083	99.458	ng	0.00
7) Phenol-d6	7.491	99	275816	90.315	ng	0.00
23) Nitrobenzene-d5	9.518	82	184306	64.423	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	106356	78.383	ng	0.00
45) 2-Fluorobiphenyl	13.577	172	417468	70.791	ng	0.00
79) Terphenyl-d14	20.262	244	595768	67.865	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.518	70	25075	11.818	ng	# 81
56) 4-Nitrophenol	15.345	139	3205	3.084	ng	# 1
57) 2,4-Dinitrotoluene	14.952	165	11296	5.046	ng	# 25
67) 4-Bromophenyl-phenylether	16.438	248	7523	3.679	ng	# 1
71) Phenanthrene	17.736	178	69834	7.486	ng	99
75) Fluoranthene	19.728	202	188948	15.602	ng	98
78) Pyrene	20.086	202	172957	15.974	ng	97
80) Butylbenzylphthalate	20.932	149	20058	5.087	ng	95
81) Benzo(a)anthracene	21.977	228	96233	9.122	ng	97
83) Chrysene	21.977	228	96233	9.652	ng	94
84) Bis(2-ethylhexyl)phtha...	21.813	149	17096	3.039	ng	98
87) Indeno(1,2,3-cd)pyrene	29.532	276	51300	4.729	ng	# 82
88) Benzo(b)fluoranthene	24.368	252	142370	14.864	ng	95
89) Benzo(k)fluoranthene	24.368	252	142370	14.728	ng	# 92
90) Benzo(a)pyrene	25.326	252	91388	9.784	ng	# 95
92) Benzo(g,h,i)perylene	30.807	276	44387	5.041	ng	# 90

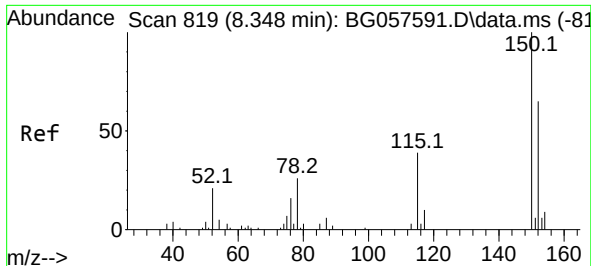
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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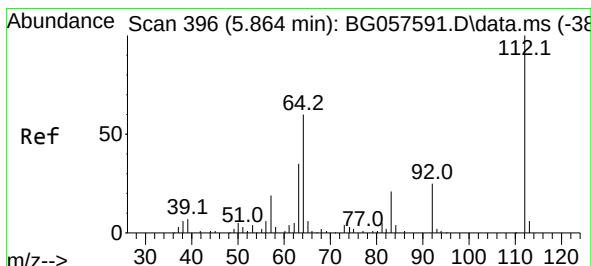
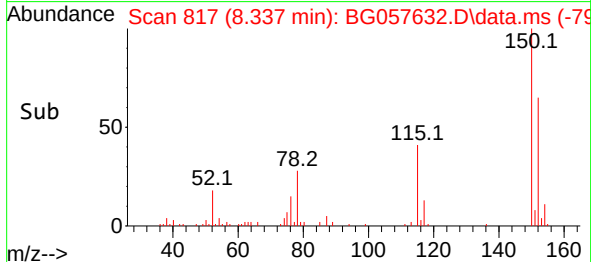
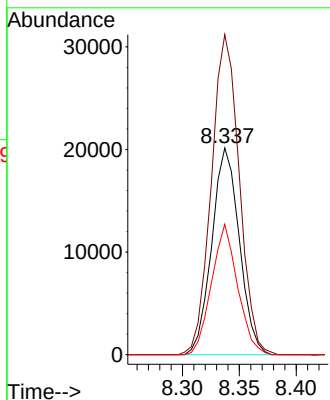
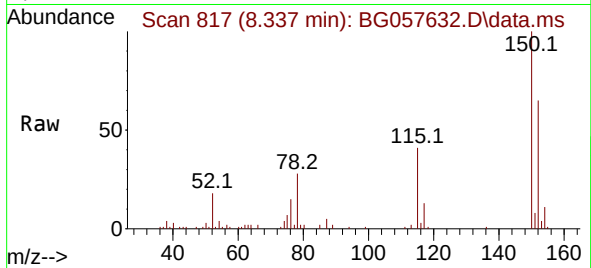




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.337 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

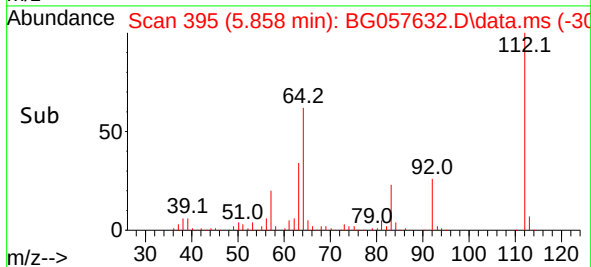
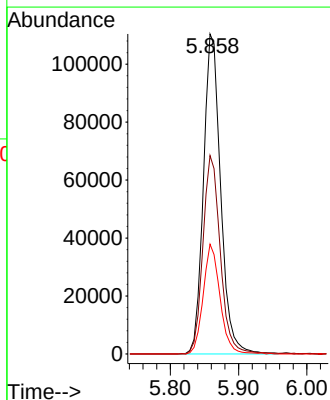
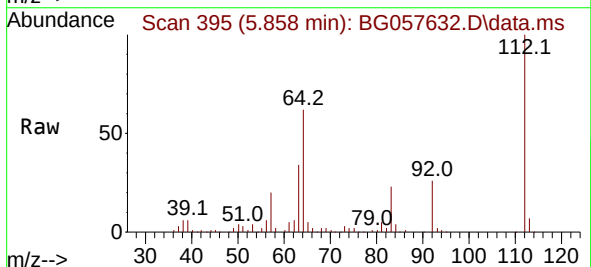
Instrument :
BNA_G
ClientSampleId :
RBR044-VNJ224

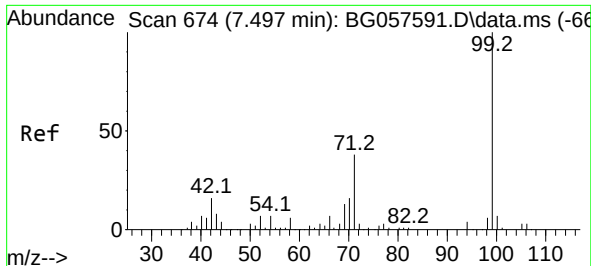
Tgt Ion:152 Resp: 33902
Ion Ratio Lower Upper
152 100
150 154.8 123.0 184.4
115 63.1 47.4 71.2



#5
2-Fluorophenol
Concen: 99.458 ng
RT: 5.858 min Scan# 395
Delta R.T. 0.003 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Tgt Ion:112 Resp: 194083
Ion Ratio Lower Upper
112 100
64 62.0 47.8 71.6
63 34.3 27.8 41.8

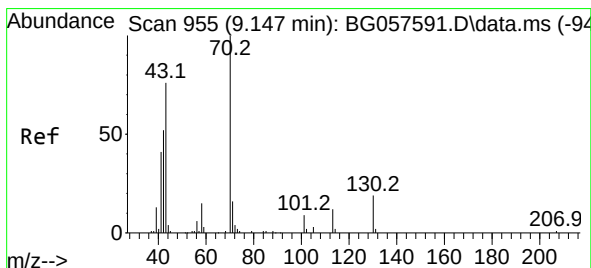
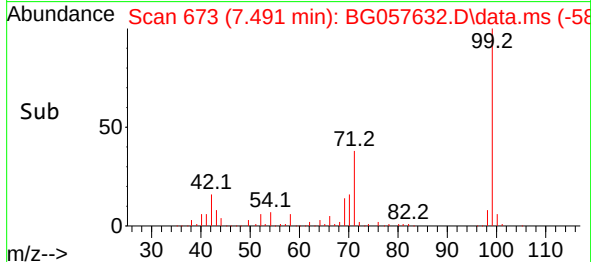
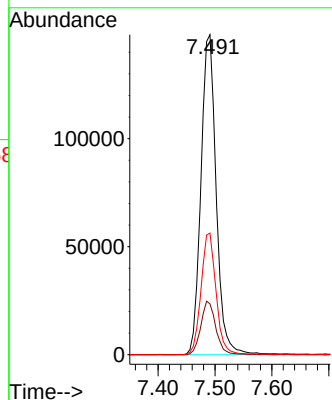
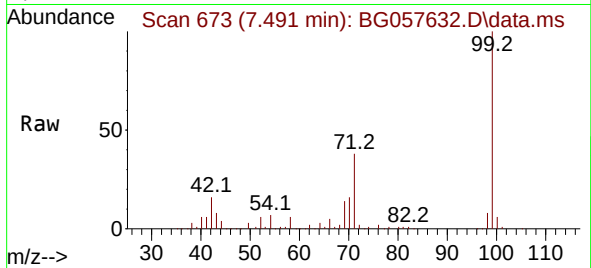




#7
Phenol-d6
Concen: 90.315 ng
RT: 7.491 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

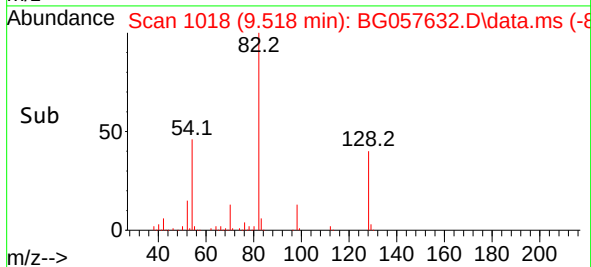
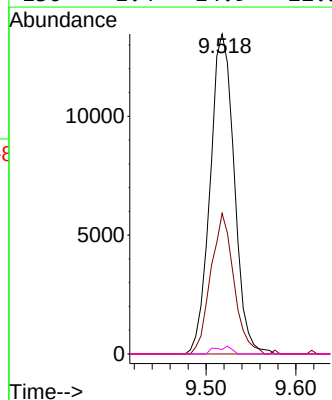
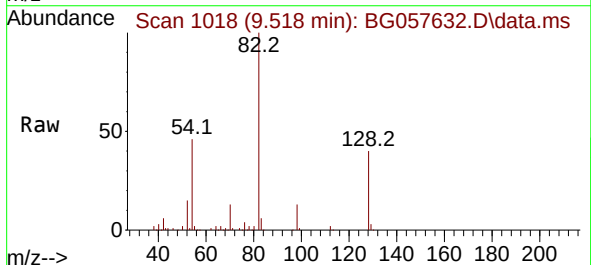
Instrument :
BNA_G
ClientSampleId :
RBR044-VNJ224

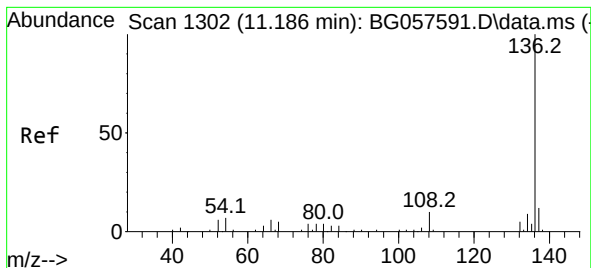
Tgt Ion: 99 Resp: 275816
Ion Ratio Lower Upper
99 100
42 15.9 12.8 19.2
71 38.0 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.818 ng
RT: 9.518 min Scan# 1018
Delta R.T. 0.379 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Tgt Ion: 70 Resp: 25075
Ion Ratio Lower Upper
70 100
42 44.0 41.4 62.0
101 0.0 6.9 10.3#
130 1.4 14.9 22.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.174 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224

Tgt Ion:136 Resp: 133734

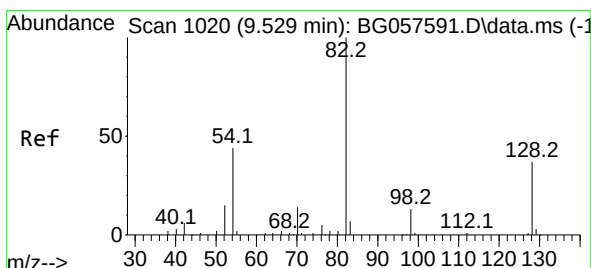
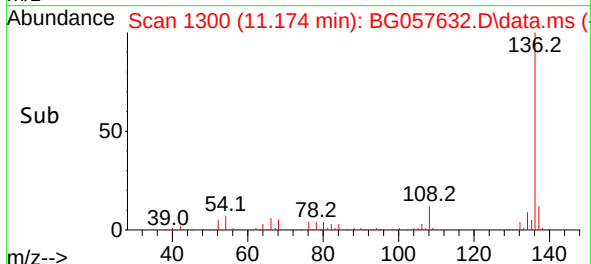
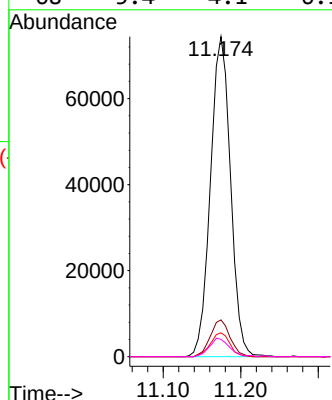
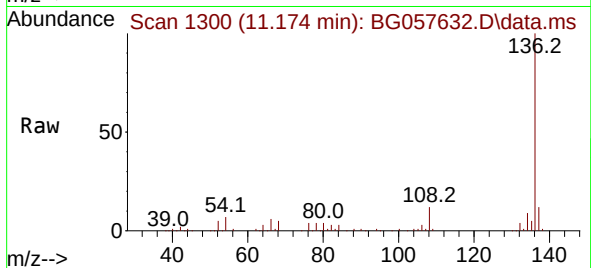
Ion Ratio Lower Upper

136 100

137 11.5 9.8 14.8

54 7.4 5.8 8.6

68 5.4 4.1 6.1



#23

Nitrobenzene-d5

Concen: 64.423 ng

RT: 9.518 min Scan# 1018

Delta R.T. -0.002 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

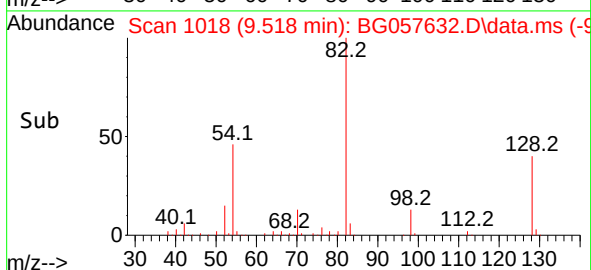
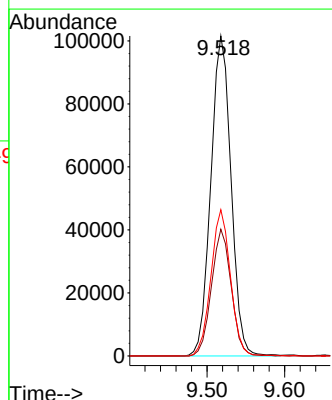
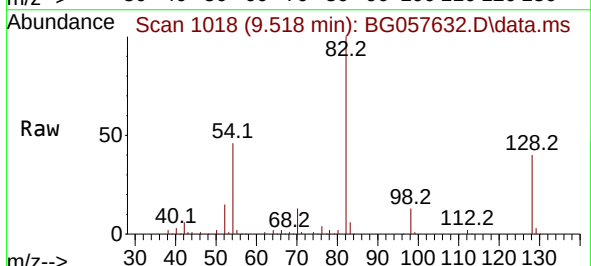
Tgt Ion: 82 Resp: 184306

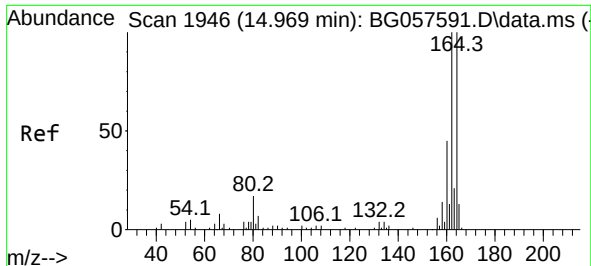
Ion Ratio Lower Upper

82 100

128 39.6 30.0 45.0

54 45.7 35.2 52.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.952 min Scan# 1943

Delta R.T. -0.008 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224

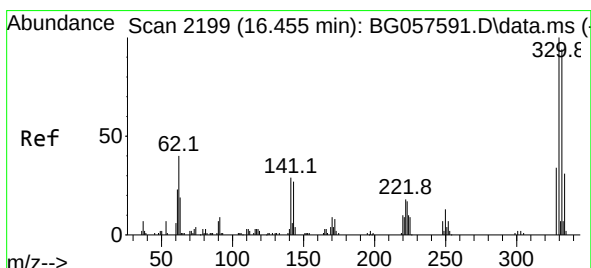
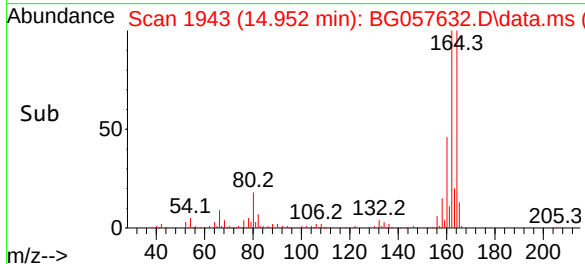
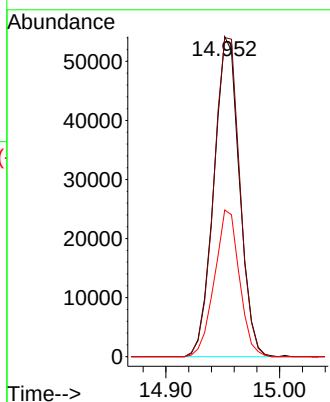
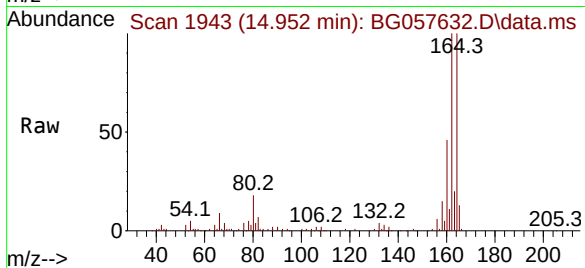
Tgt Ion:164 Resp: 84750

Ion Ratio Lower Upper

164 100

162 99.8 80.1 120.1

160 45.9 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 78.383 ng

RT: 16.438 min Scan# 2196

Delta R.T. -0.008 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

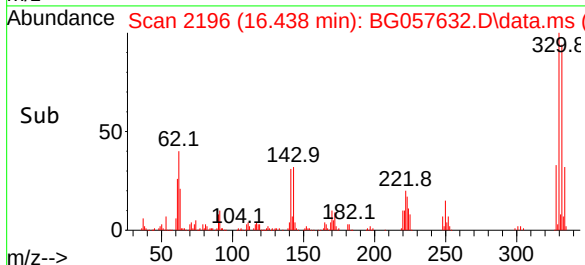
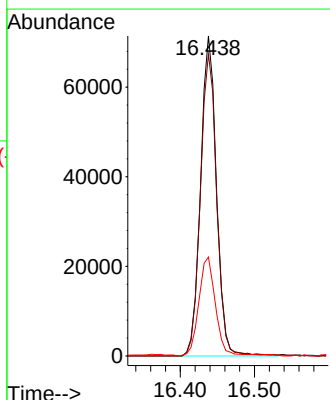
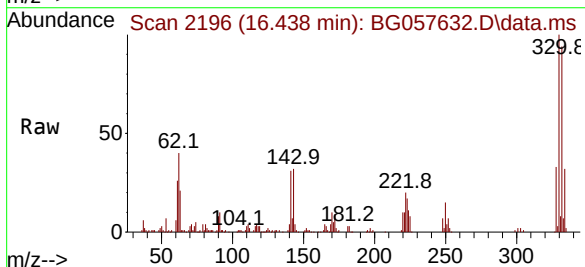
Tgt Ion:330 Resp: 106356

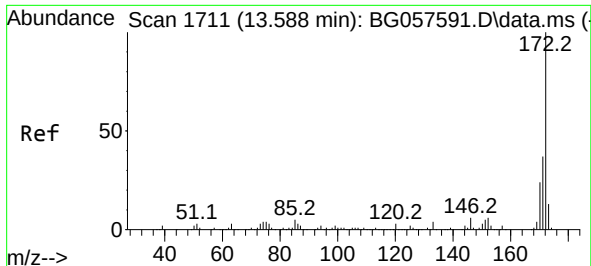
Ion Ratio Lower Upper

330 100

332 95.8 77.3 115.9

141 32.4 24.6 37.0

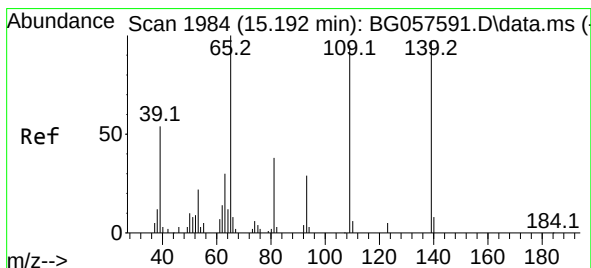
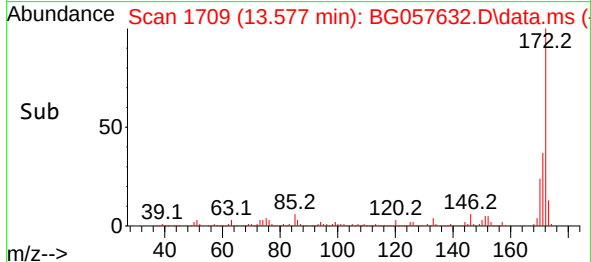
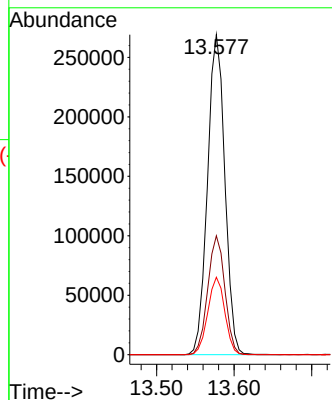
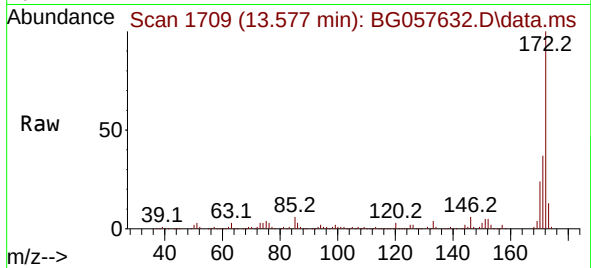




#45
2-Fluorobiphenyl
Concen: 70.791 ng
RT: 13.577 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

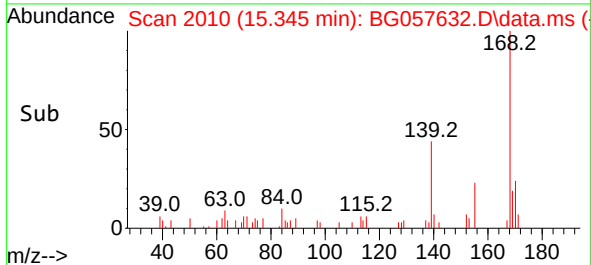
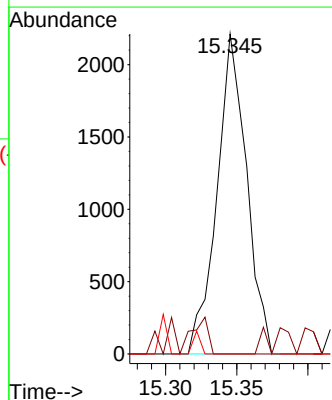
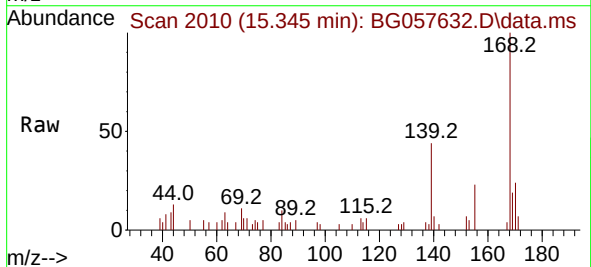
Instrument :
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ClientSampleId :
RBR044-VNJ224

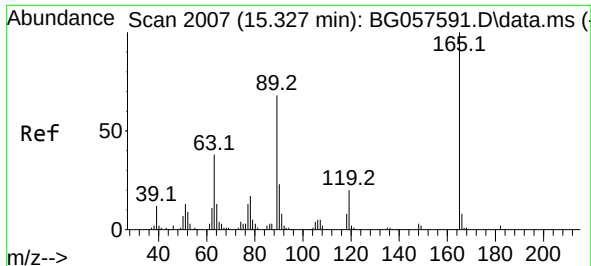
Tgt Ion:172 Resp: 417468
Ion Ratio Lower Upper
172 100
171 37.2 29.2 43.8
170 24.2 19.0 28.4



#56
4-Nitrophenol
Concen: 3.084 ng
RT: 15.345 min Scan# 2010
Delta R.T. 0.162 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Tgt Ion:139 Resp: 3205
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: 5.046 ng

RT: 14.952 min Scan# 14

Delta R.T. -0.373 min

Lab File: BG057632.D

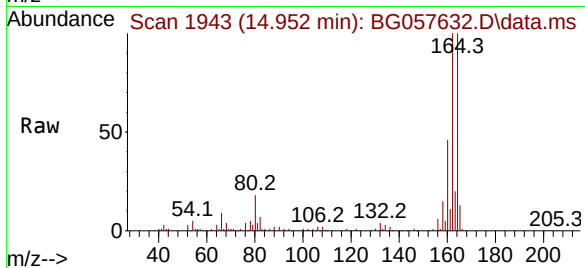
Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224



Tgt Ion:165 Resp: 11296

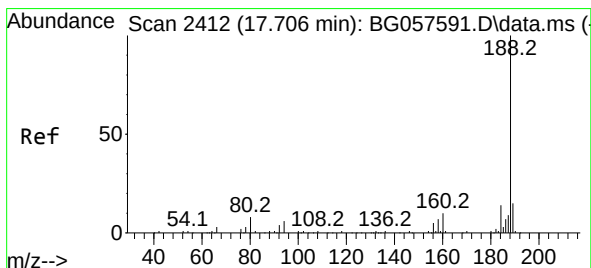
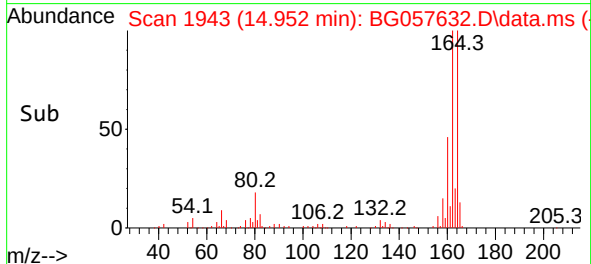
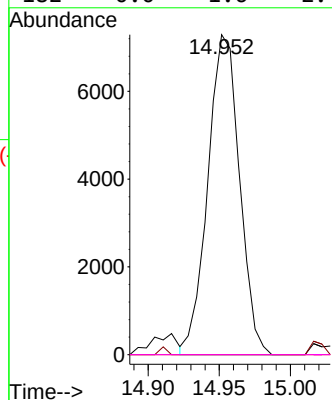
Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 0.0 54.2 81.2#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.695 min Scan# 2410

Delta R.T. -0.002 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

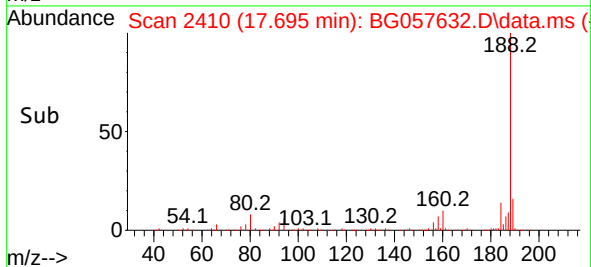
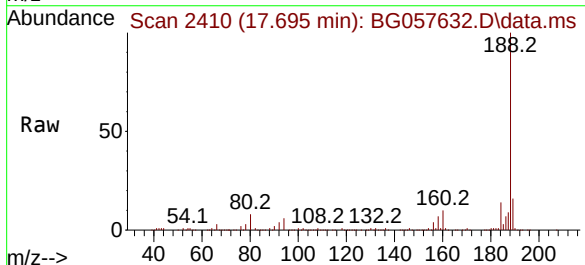
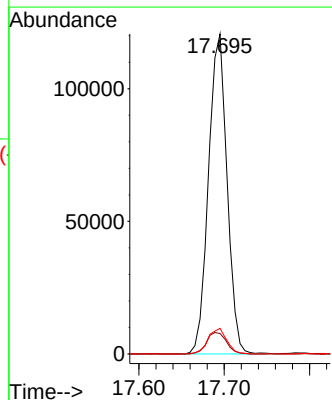
Tgt Ion:188 Resp: 182299

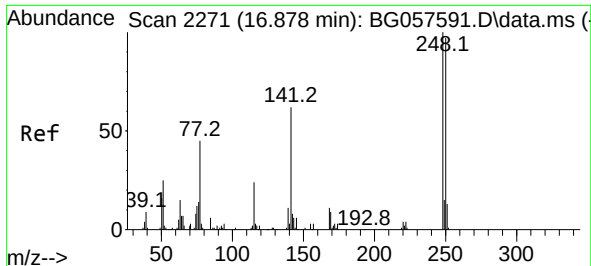
Ion Ratio Lower Upper

188 100

94 6.4 5.2 7.8

80 8.0 6.7 10.1

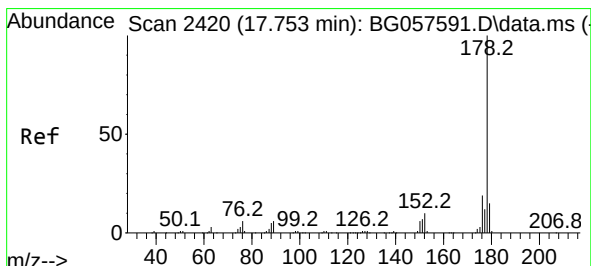
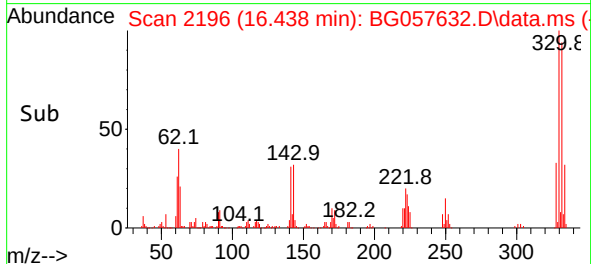
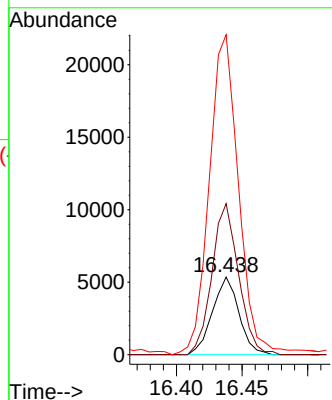
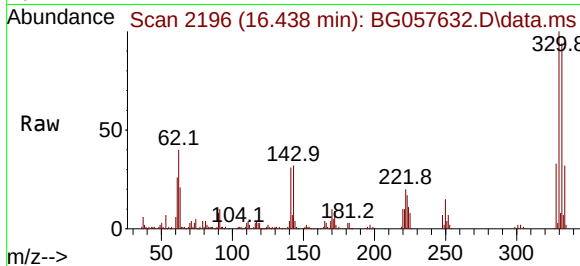




#67
4-Bromophenyl-phenylether
Concen: 3.679 ng
RT: 16.438 min Scan# 2196
Delta R.T. -0.431 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

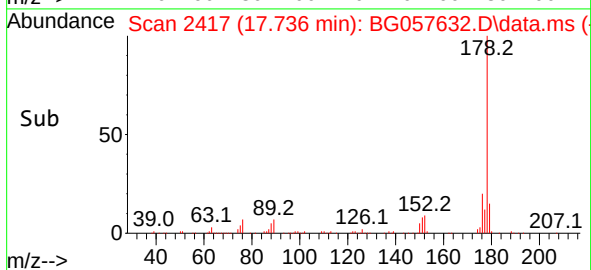
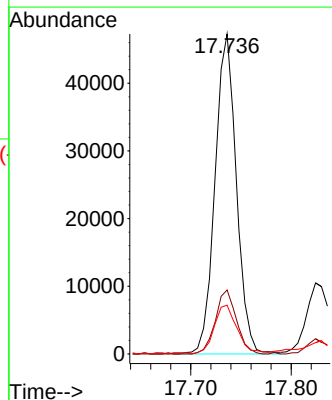
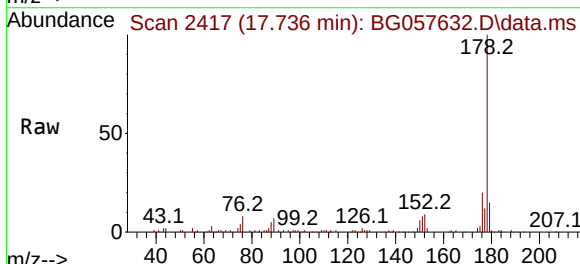
Instrument :
BNA_G
ClientSampleId :
RBR044-VNJ224

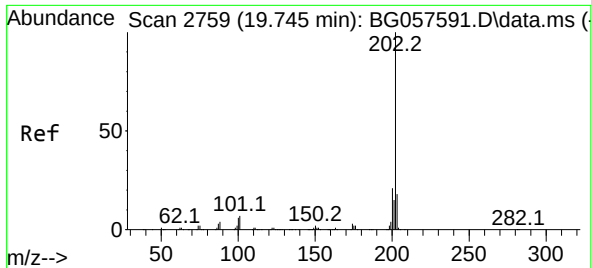
Tgt Ion:248 Resp: 7523
Ion Ratio Lower Upper
248 100
250 194.9 77.4 116.2#
141 412.7 49.4 74.0#



#71
Phenanthrene
Concen: 7.486 ng
RT: 17.736 min Scan# 2417
Delta R.T. -0.008 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Tgt Ion:178 Resp: 69834
Ion Ratio Lower Upper
178 100
176 20.0 15.3 22.9
179 15.3 12.0 18.0

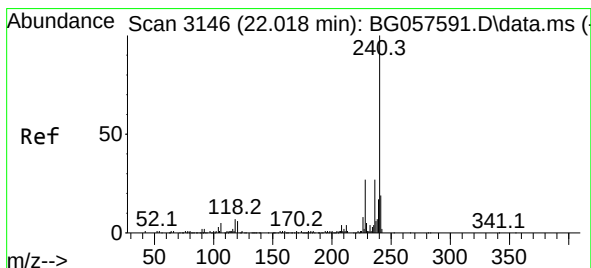
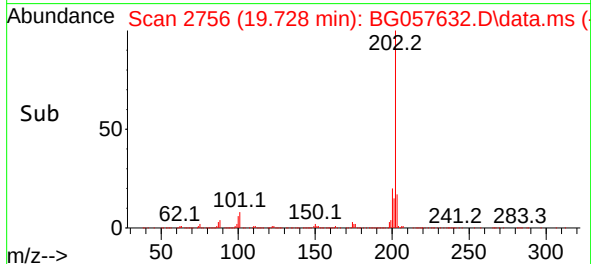
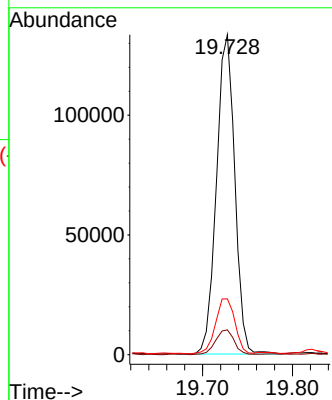
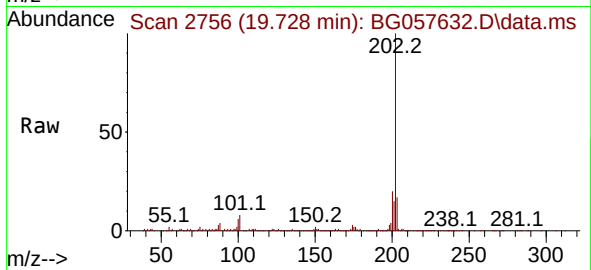




#75
Fluoranthene
Concen: 15.602 ng
RT: 19.728 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

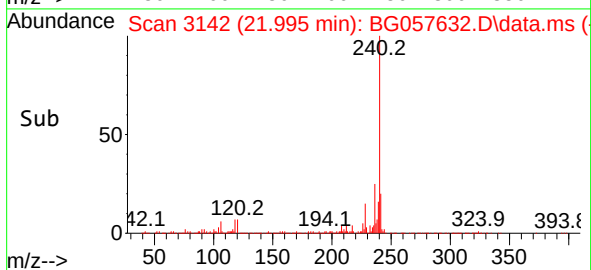
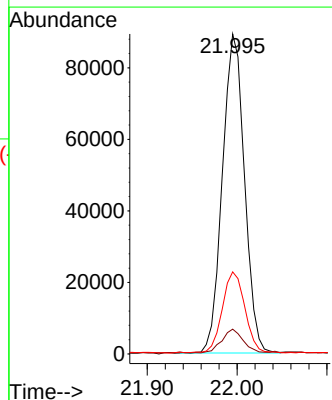
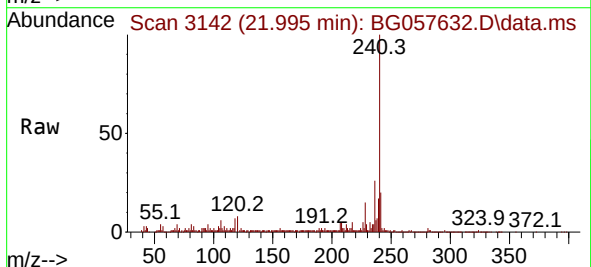
Instrument :
BNA_G
ClientSampleId :
RBR044-VNJ224

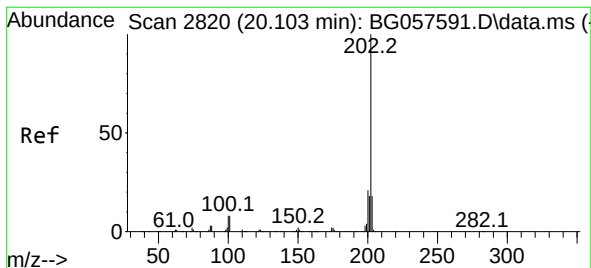
Tgt Ion:202 Resp: 188948
Ion Ratio Lower Upper
202 100
101 7.8 0.0 27.5
203 17.4 0.0 38.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.995 min Scan# 3142
Delta R.T. -0.008 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Tgt Ion:240 Resp: 152068
Ion Ratio Lower Upper
240 100
120 7.7 5.2 7.8
236 25.6 21.4 32.0





#78

Pyrene

Concen: 15.974 ng

RT: 20.086 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224

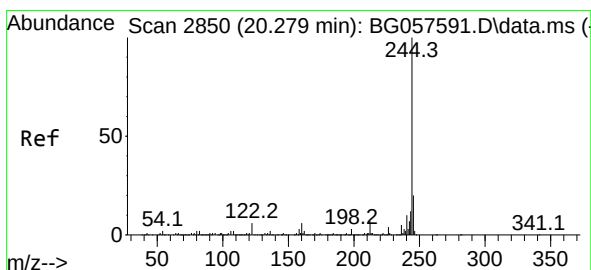
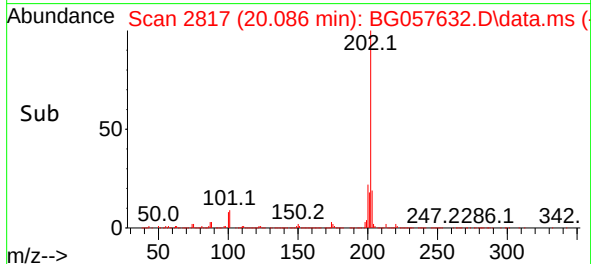
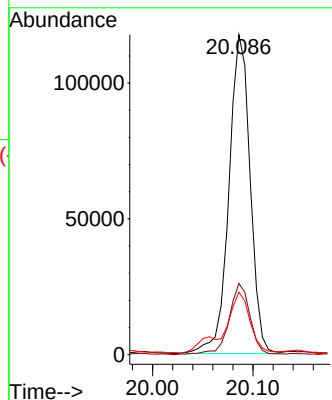
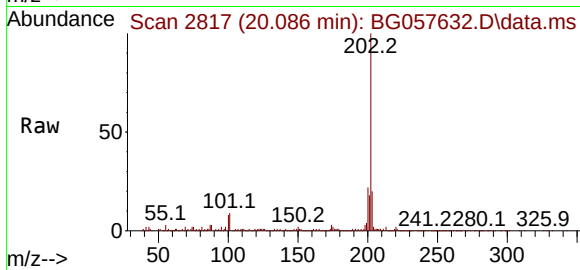
Tgt Ion:202 Resp: 172957

Ion Ratio Lower Upper

202 100

200 22.3 16.8 25.2

203 19.5 14.5 21.7



#79

Terphenyl-d14

Concen: 67.865 ng

RT: 20.262 min Scan# 2847

Delta R.T. -0.002 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

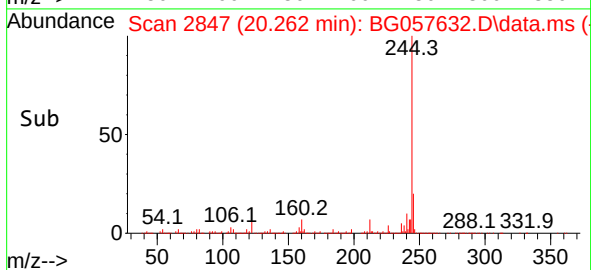
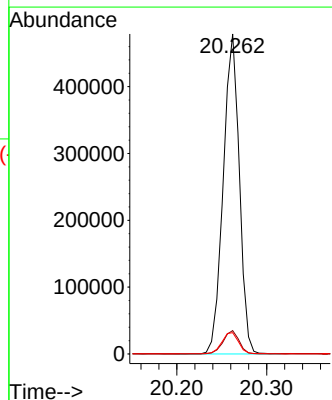
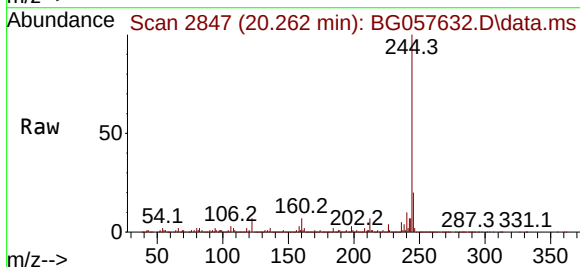
Tgt Ion:244 Resp: 595768

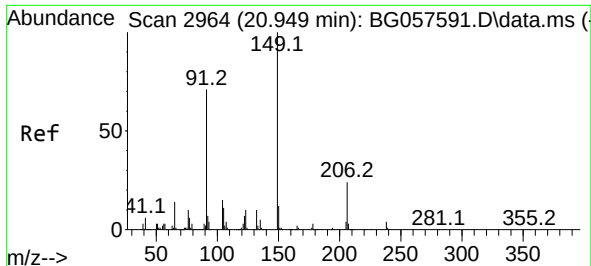
Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

122 6.6 4.8 7.2

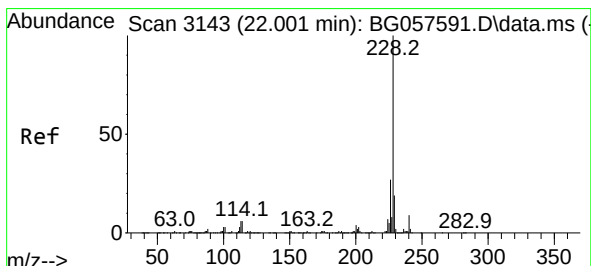
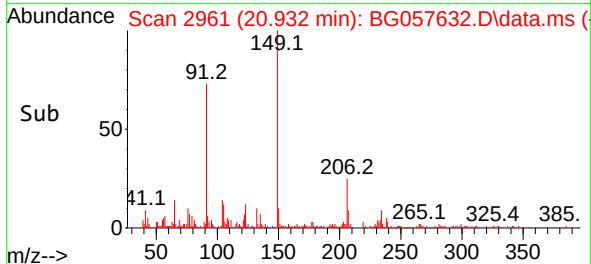
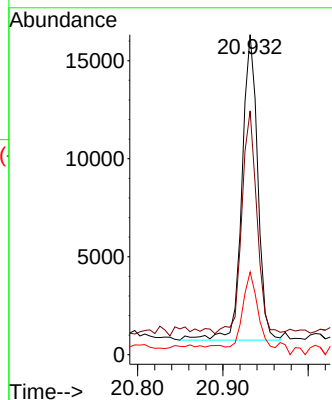
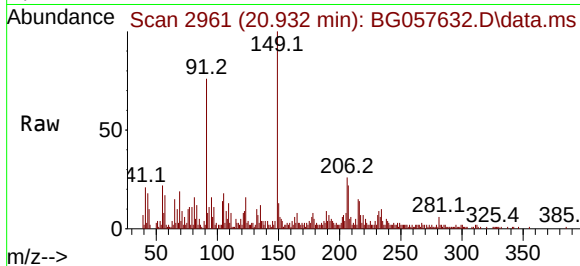




#80
Butylbenzylphthalate
Concen: 5.087 ng
RT: 20.932 min Scan# 2961
Delta R.T. -0.008 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

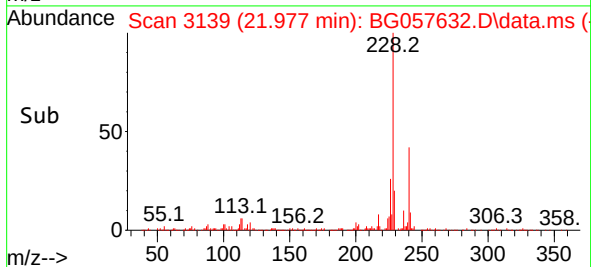
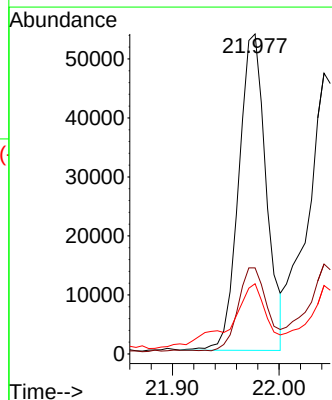
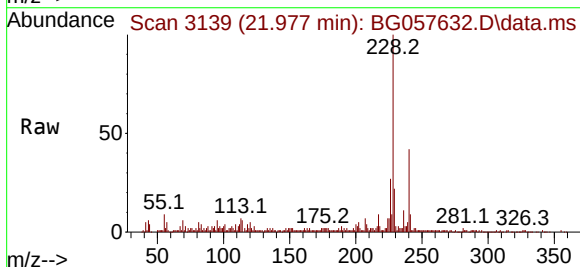
Instrument :
BNA_G
ClientSampleId :
RBR044-VNJ224

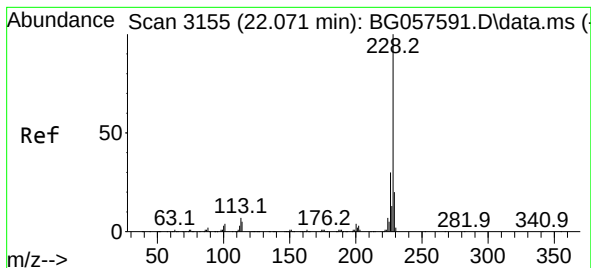
Tgt Ion:149 Resp: 20058
Ion Ratio Lower Upper
149 100
91 76.2 57.0 85.6
206 25.8 19.4 29.2



#81
Benzo(a)anthracene
Concen: 9.122 ng
RT: 21.977 min Scan# 3139
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Tgt Ion:228 Resp: 96233
Ion Ratio Lower Upper
228 100
226 26.9 21.4 32.0
229 22.0 15.4 23.2





#83

Chrysene

Concen: 9.652 ng

RT: 21.977 min Scan# 3119

Delta R.T. -0.079 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224

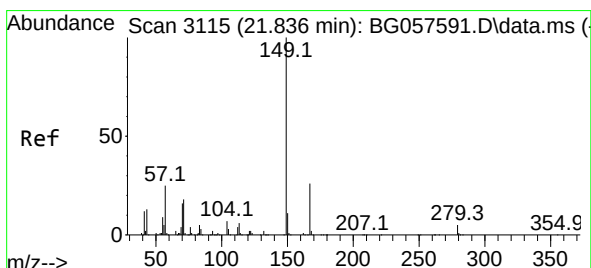
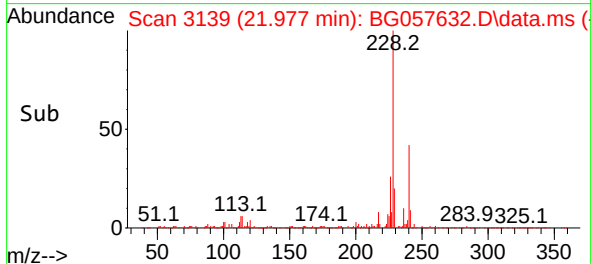
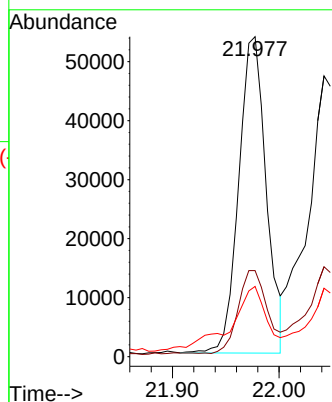
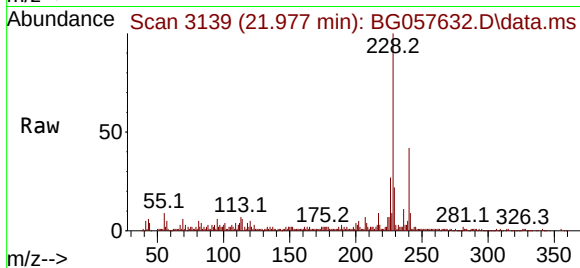
Tgt Ion:228 Resp: 96233

Ion Ratio Lower Upper

228 100

226 26.9 24.3 36.5

229 22.0 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.039 ng

RT: 21.813 min Scan# 3111

Delta R.T. -0.008 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

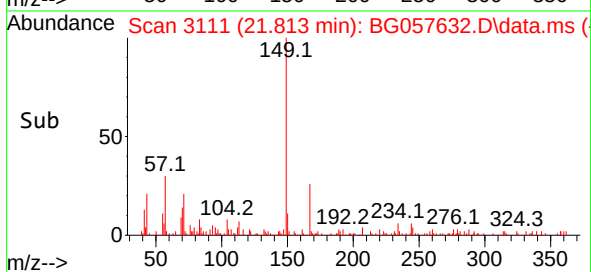
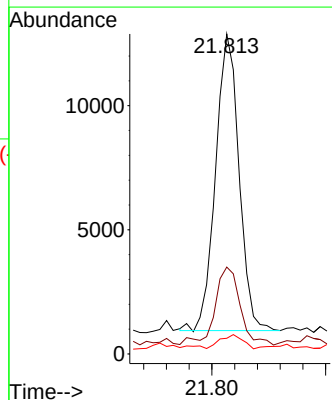
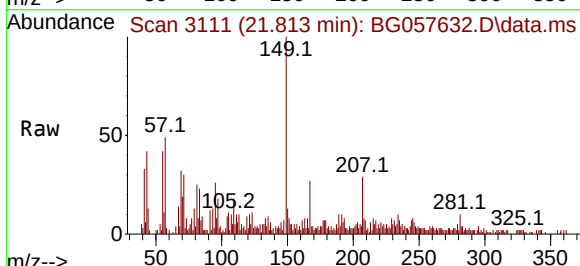
Tgt Ion:149 Resp: 17096

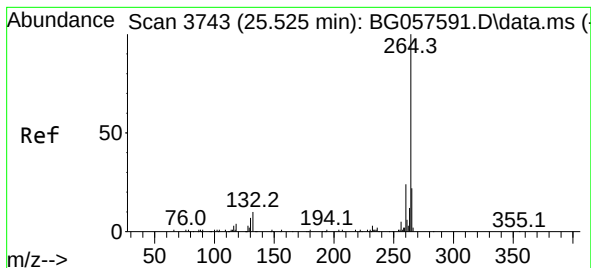
Ion Ratio Lower Upper

149 100

167 27.1 20.6 31.0

279 4.9 3.6 5.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.490 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224

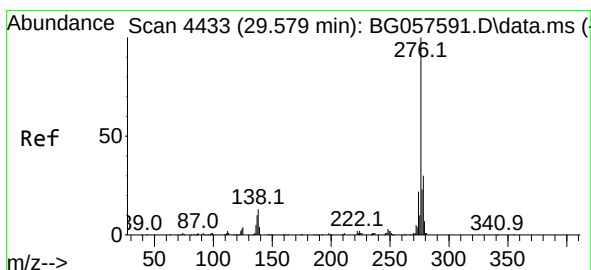
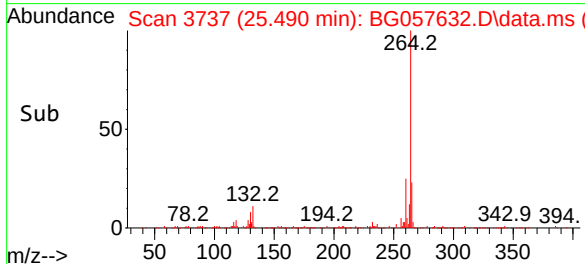
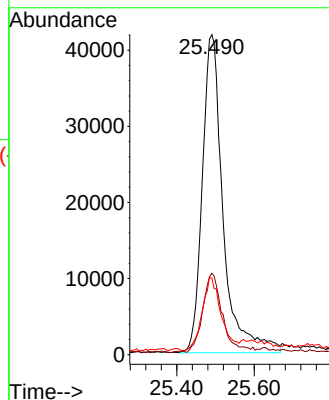
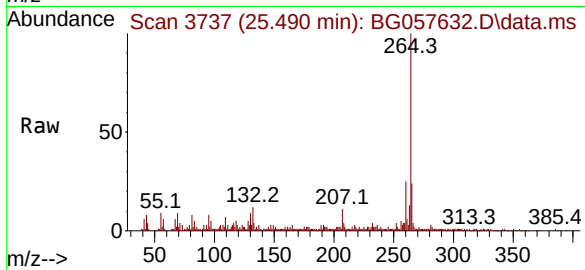
Tgt Ion:264 Resp: 155606

Ion Ratio Lower Upper

264 100

260 25.4 19.1 28.7

265 24.0 17.7 26.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.729 ng

RT: 29.532 min Scan# 4425

Delta R.T. -0.020 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

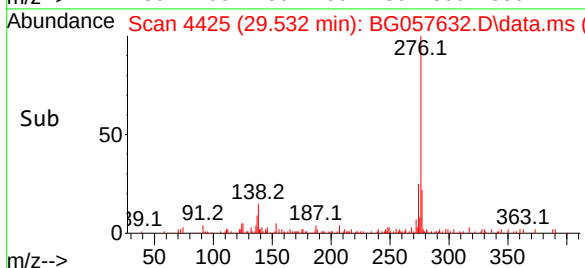
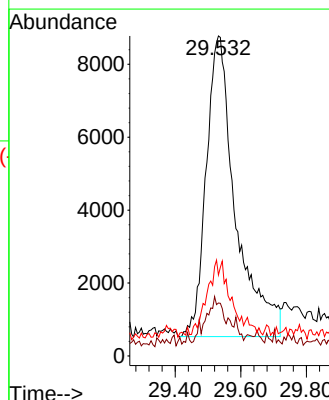
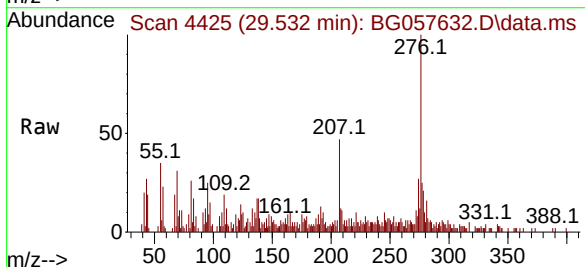
Tgt Ion:276 Resp: 51300

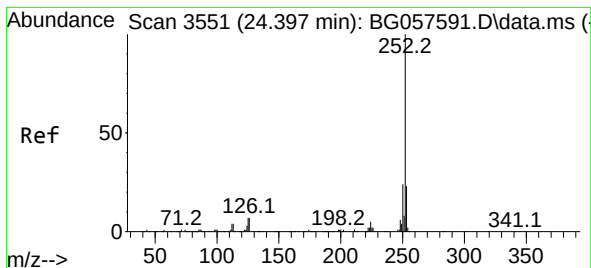
Ion Ratio Lower Upper

276 100

138 5.4 12.3 18.5#

277 18.6 20.5 30.7#





#88

Benzo(b)fluoranthene

Concen: 14.864 ng

RT: 24.368 min Scan# 3546

Delta R.T. -0.008 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

Instrument :

BNA_G

ClientSampleId :

RBR044-VNJ224

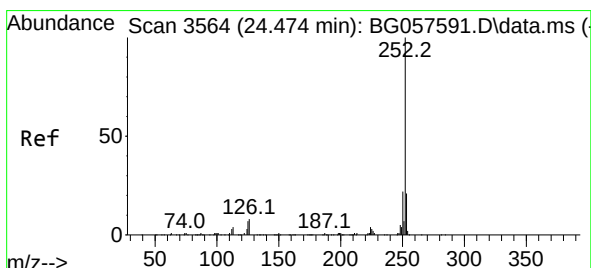
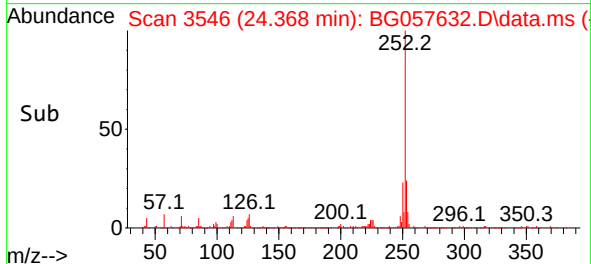
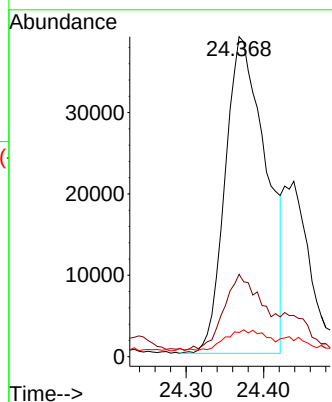
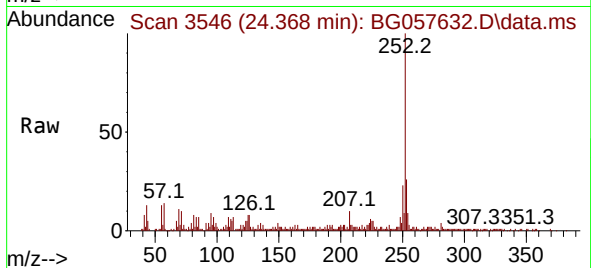
Tgt Ion:252 Resp: 142370

Ion Ratio Lower Upper

252 100

253 25.7 18.4 27.6

125 7.6 5.2 7.8



#89

Benzo(k)fluoranthene

Concen: 14.728 ng

RT: 24.368 min Scan# 3546

Delta R.T. -0.079 min

Lab File: BG057632.D

Acq: 31 May 2023 22:11

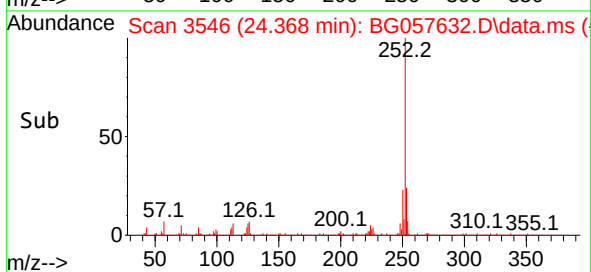
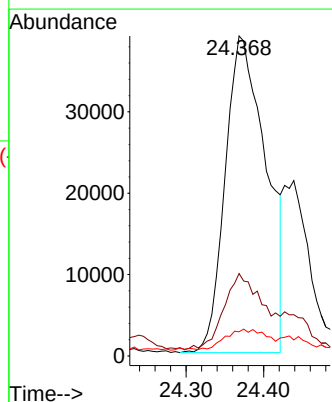
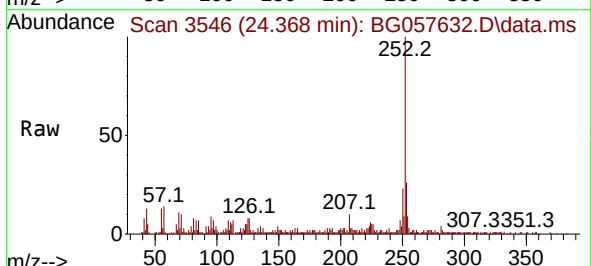
Tgt Ion:252 Resp: 142370

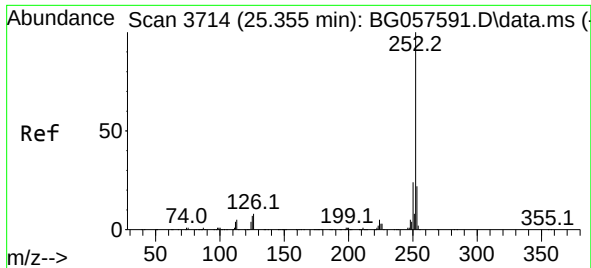
Ion Ratio Lower Upper

252 100

253 25.7 17.0 25.6#

125 7.6 5.1 7.7

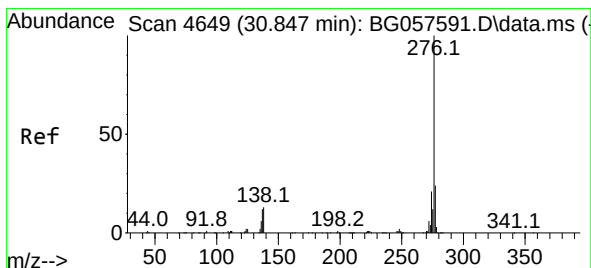
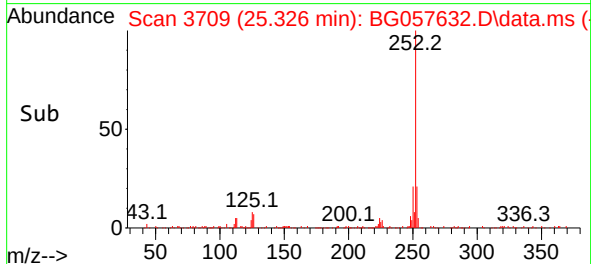
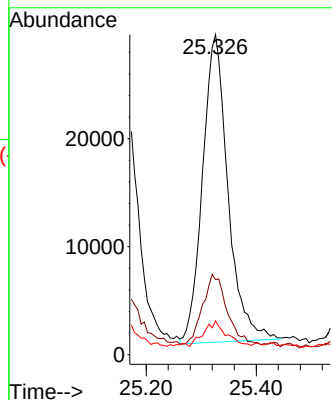
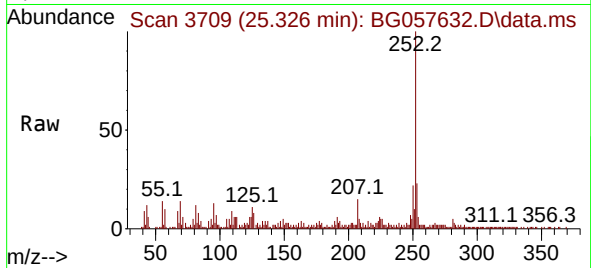




#90
Benzo(a)pyrene
Concen: 9.784 ng
RT: 25.326 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Instrument :
BNA_G
ClientSampleId :
RBR044-VNJ224

Tgt Ion:252 Resp: 91388
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 10.6 5.3 7.9#



#92
Benzo(g,h,i)perylene
Concen: 5.041 ng
RT: 30.807 min Scan# 4642
Delta R.T. -0.002 min
Lab File: BG057632.D
Acq: 31 May 2023 22:11

Tgt Ion:276 Resp: 44387
Ion Ratio Lower Upper
276 100
277 29.4 18.9 28.3#
138 15.4 10.2 15.4#

