

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080922\
 Data File : BG054577.D
 Acq On : 9 Aug 2022 20:05
 Operator : CG/JU
 Sample : N3960-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-159D

Quant Time: Aug 10 07:14:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

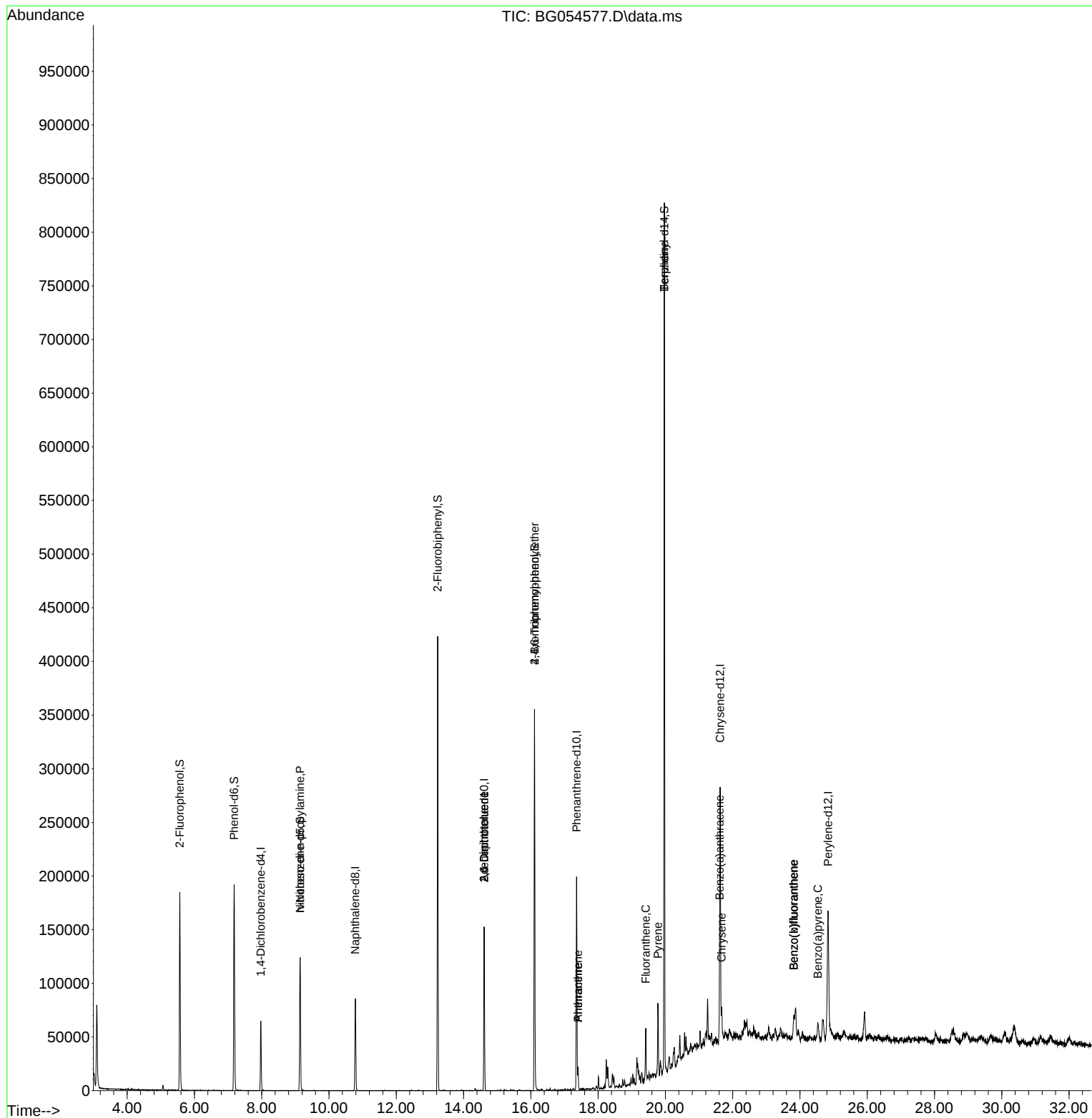
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.973	152	20565	20.000	ng	0.00
21) Naphthalene-d8	10.782	136	77740	20.000	ng	# 0.00
39) Acenaphthene-d10	14.613	164	59484	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	143312	20.000	ng	# 0.00
76) Chrysene-d12	21.628	240	157295	20.000	ng	# 0.00
86) Perylene-d12	24.836	264	157170	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	84509	85.799	ng	0.00
7) Phenol-d6	7.180	99	111387	82.530	ng	0.00
23) Nitrobenzene-d5	9.143	82	77132	54.031	ng	0.00
42) 2,4,6-Tribromophenol	16.111	330	95900	76.785	ng	0.00
45) 2-Fluorobiphenyl	13.232	172	234874	55.702	ng	0.00
79) Terphenyl-d14	19.971	244	459582	57.962	ng	0.00
Target Compounds						
9) Benzaldehyde	7.180	77	148	Below Cal		Qvalue # 10
19) n-Nitroso-di-n-propyla...	9.143	70	11256	12.489	ng	# 81
51) 2,6-Dinitrotoluene	14.613	165	8212	8.058	ng	# 16
57) 2,4-Dinitrotoluene	14.613	165	8212	5.621	ng	# 21
67) 4-Bromophenyl-phenylether	16.111	248	5746	2.855	ng	# 1
71) Phenanthrene	17.403	178	15641	2.192	ng	96
72) Anthracene	17.403	178	15641	2.233	ng	97
75) Fluoranthene	19.419	202	29135	2.995	ng	97
77) Benzidine	19.971	184	6246	2.193	ng	# 92
78) Pyrene	19.777	202	46284	5.128	ng	96
81) Benzo(a)anthracene	21.610	228	20027	2.006	ng	93
83) Chrysene	21.669	228	26496	2.809	ng	94
88) Benzo(b)fluoranthene	23.820	252	36553	3.933	ng	96
89) Benzo(k)fluoranthene	23.820	252	36553	3.952	ng	97
90) Benzo(a)pyrene	24.530	252	18843	2.374	ng	96

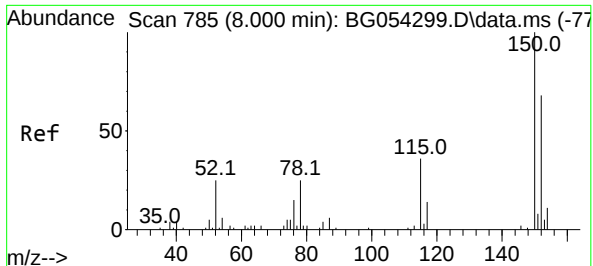
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG054577.D
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Instrument :
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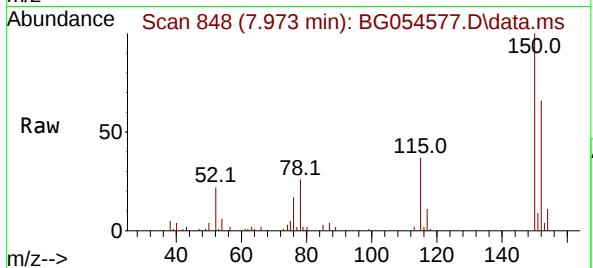
Quant Time: Aug 10 07:14:43 2022
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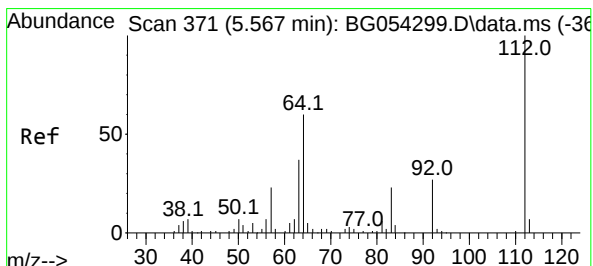
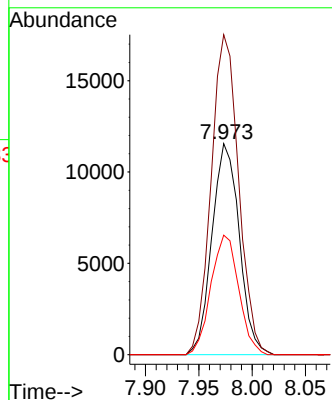
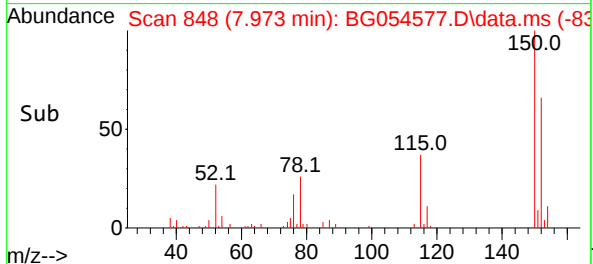


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.973 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

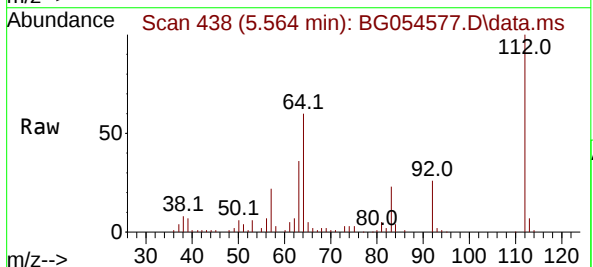
Instrument :
BNA_G
ClientSampleId :
RVE-159D



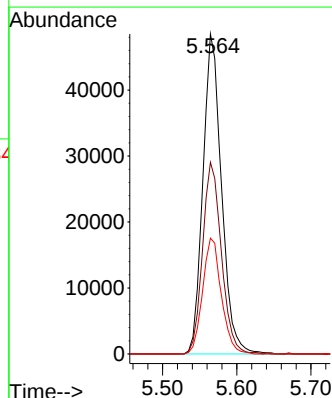
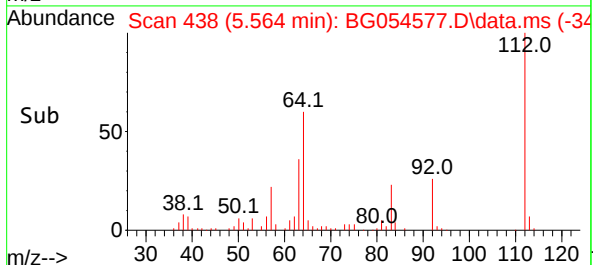
Tgt Ion:152 Resp: 20565
Ion Ratio Lower Upper
152 100
150 151.6 131.6 197.4
115 56.7 50.9 76.3

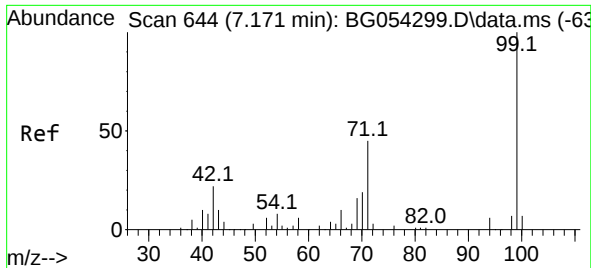


#5
2-Fluorophenol
Concen: 85.799 ng
RT: 5.564 min Scan# 438
Delta R.T. 0.001 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05



Tgt Ion:112 Resp: 84509
Ion Ratio Lower Upper
112 100
64 59.9 55.1 82.7
63 36.2 30.4 45.6

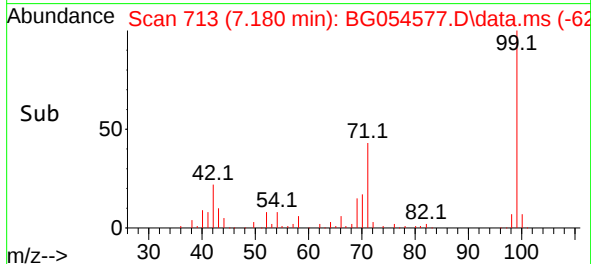
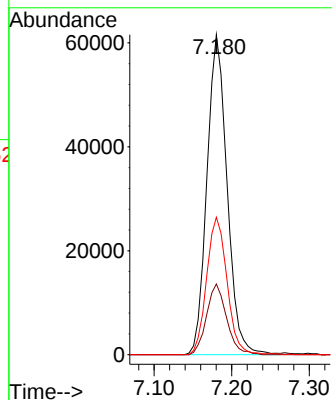
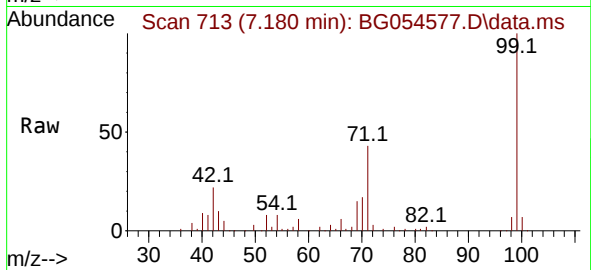




#7
Phenol-d6
Concen: 82.530 ng
RT: 7.180 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

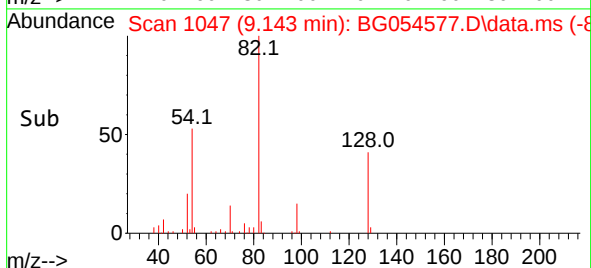
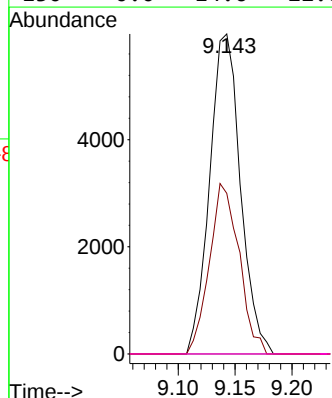
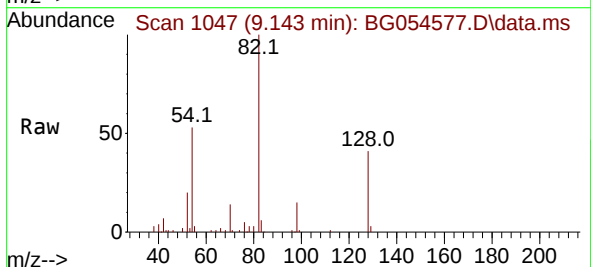
Instrument :
BNA_G
ClientSampleId :
RVE-159D

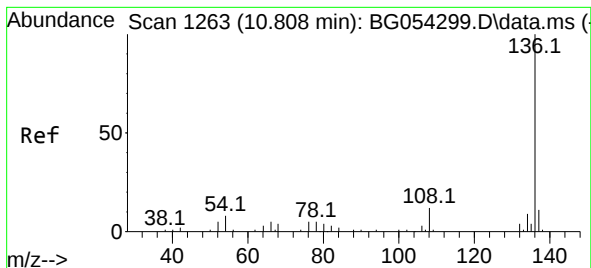
Tgt Ion: 99 Resp: 111387
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 43.0 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.489 ng
RT: 9.143 min Scan# 1047
Delta R.T. 0.359 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

Tgt Ion: 70 Resp: 11256
Ion Ratio Lower Upper
70 100
42 50.2 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

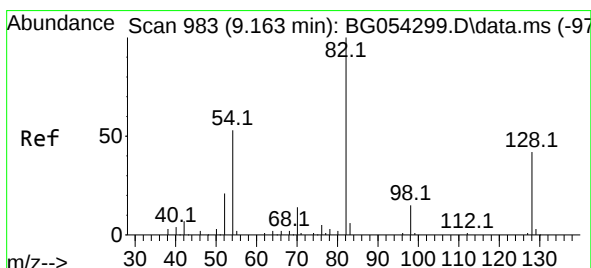
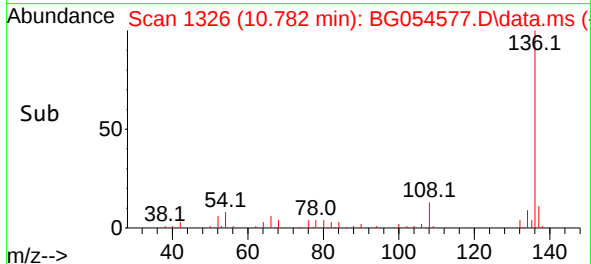
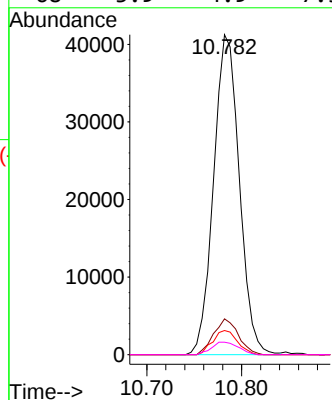
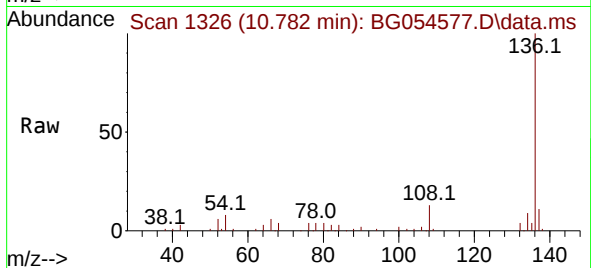




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.782 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

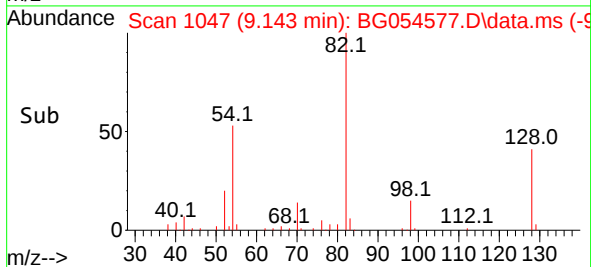
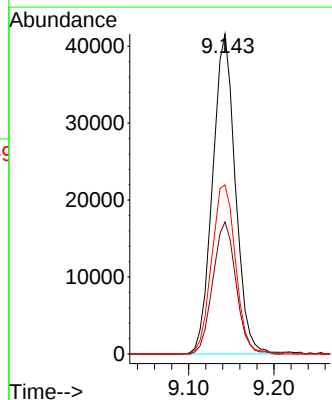
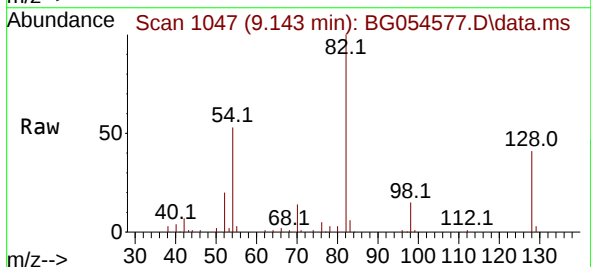
Instrument :
BNA_G
ClientSampleId :
RVE-159D

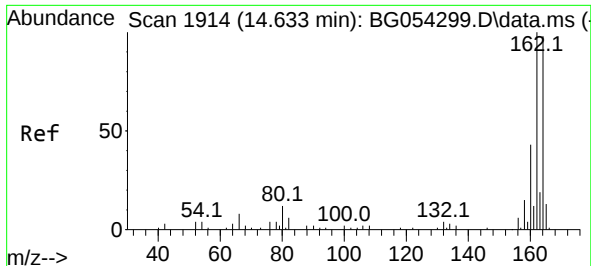
Tgt Ion:136	Resp:	77740
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.5 12.7
54	7.5	7.4 11.2
68	3.9	4.9 7.3#



#23
Nitrobenzene-d5
Concen: 54.031 ng
RT: 9.143 min Scan# 1047
Delta R.T. 0.001 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

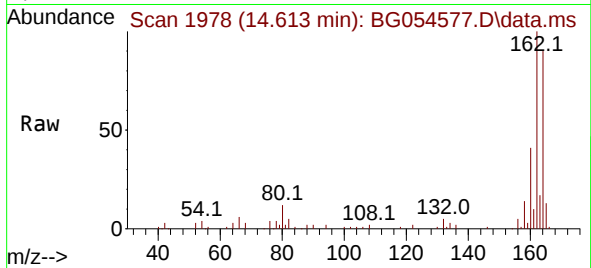
Tgt Ion: 82	Resp:	77132
Ion Ratio	Lower	Upper
82	100	
128	41.2	27.9 41.9
54	52.9	41.2 61.8



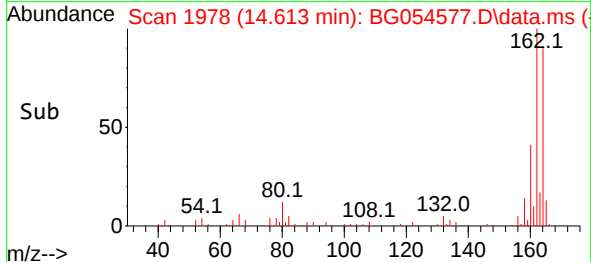
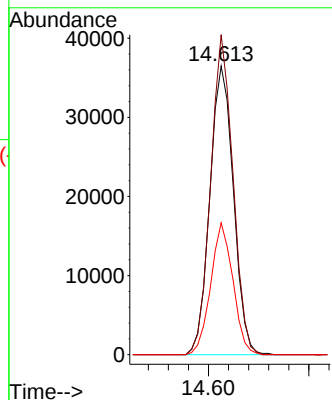


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.613 min Scan# 1914
Delta R.T. -0.005 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

Instrument :
BNA_G
ClientSampleId :
RVE-159D

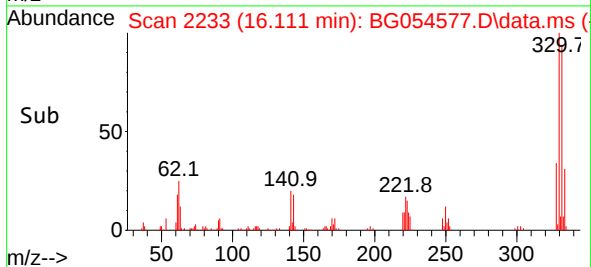
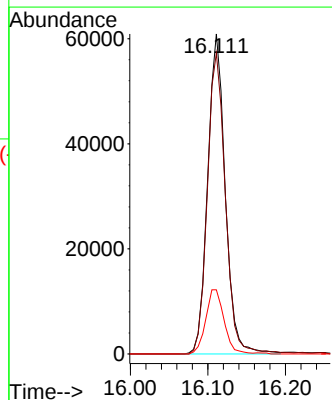
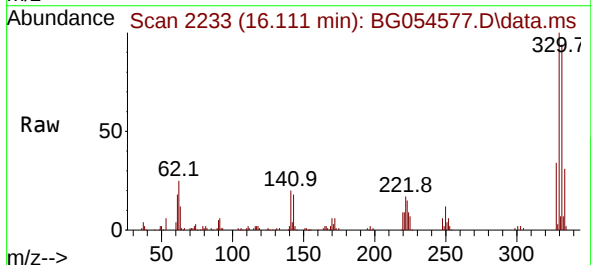


Tgt Ion:164 Resp: 59484
Ion Ratio Lower Upper
164 100
162 110.9 82.3 123.5
160 45.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 76.785 ng
RT: 16.111 min Scan# 2233
Delta R.T. -0.005 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

Tgt Ion:330 Resp: 95900
Ion Ratio Lower Upper
330 100
332 96.5 76.0 114.0
141 20.9 27.1 40.7#

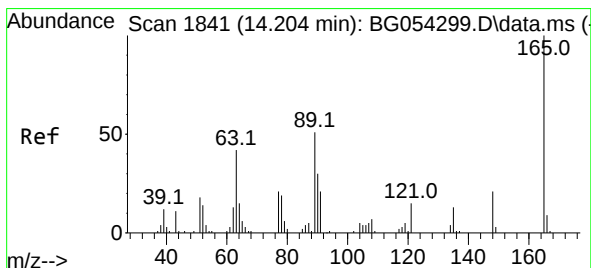
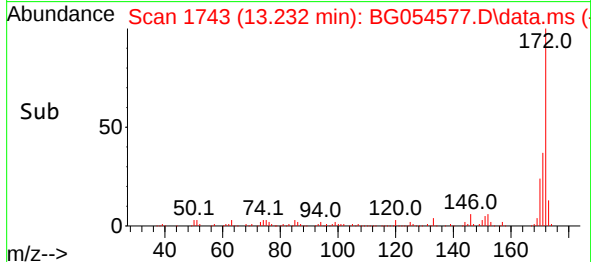
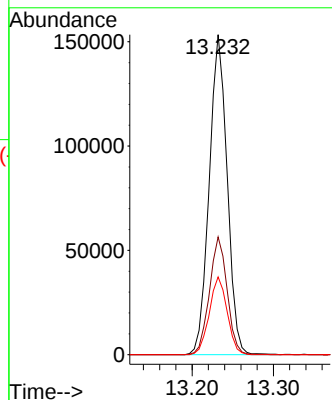
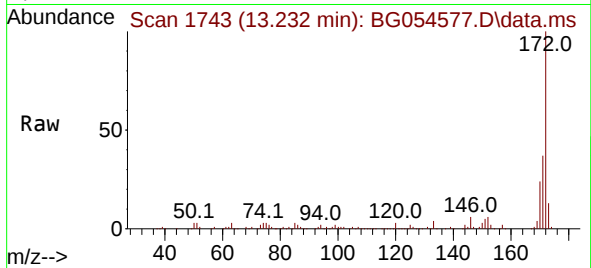




#45
2-Fluorobiphenyl
Concen: 55.702 ng
RT: 13.232 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

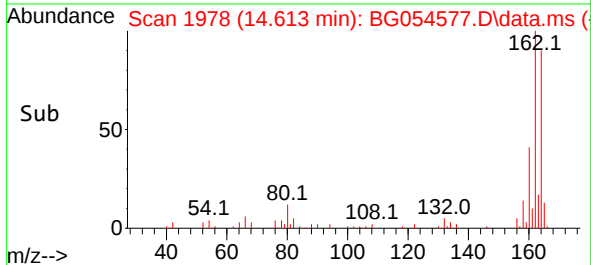
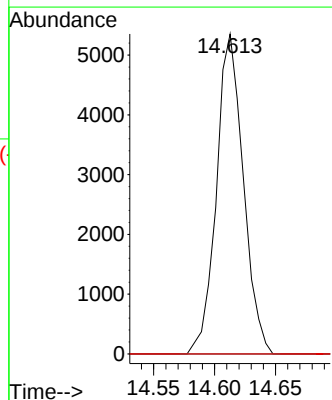
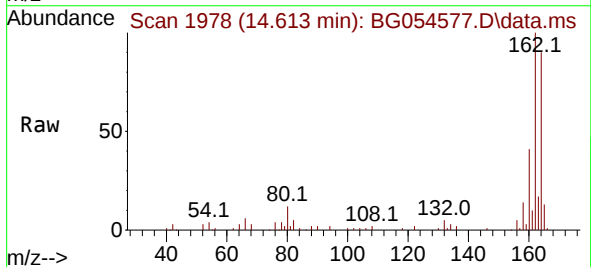
Instrument :
BNA_G
ClientSampleId :
RVE-159D

Tgt Ion:172 Resp: 234874
Ion Ratio Lower Upper
172 100
171 36.8 28.5 42.7
170 24.3 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.058 ng
RT: 14.613 min Scan# 1978
Delta R.T. 0.418 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

Tgt Ion:165 Resp: 8212
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.621 ng

RT: 14.613 min Scan# 14

Delta R.T. -0.381 min

Lab File: BG054577.D

Acq: 9 Aug 2022 20:05

Instrument :

BNA_G

ClientSampleId :

RVE-159D

Tgt Ion:165 Resp: 8212

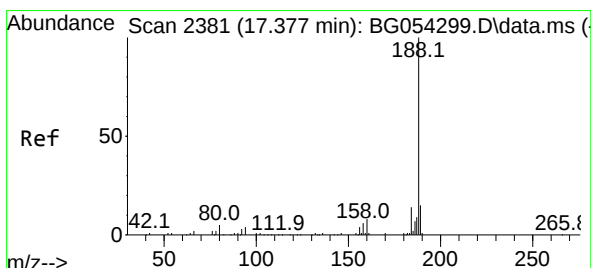
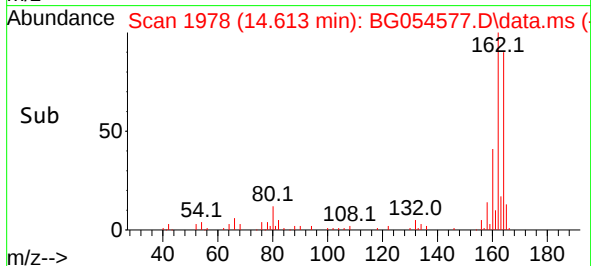
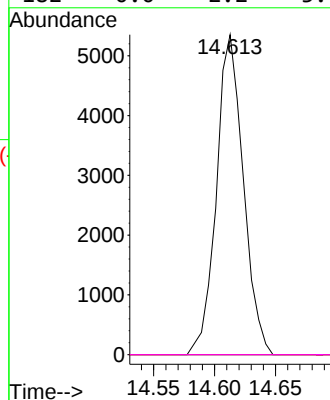
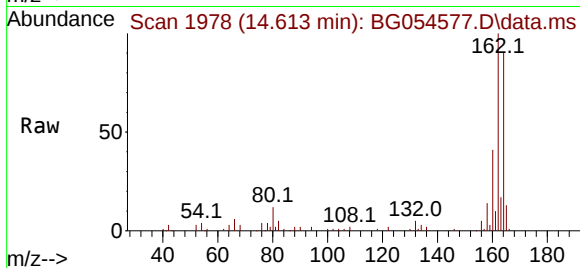
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.362 min Scan# 2446

Delta R.T. 0.001 min

Lab File: BG054577.D

Acq: 9 Aug 2022 20:05

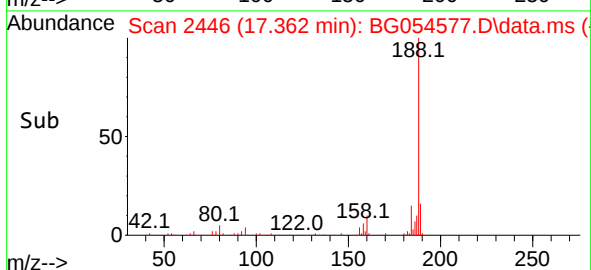
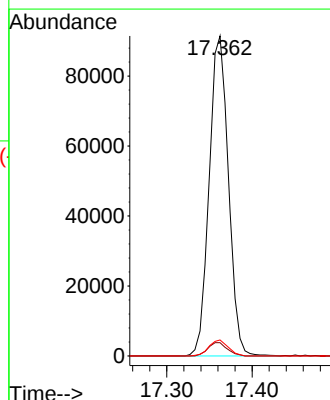
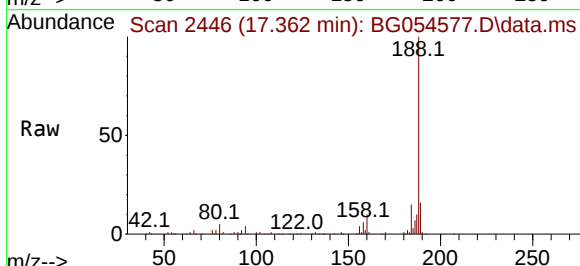
Tgt Ion:188 Resp: 143312

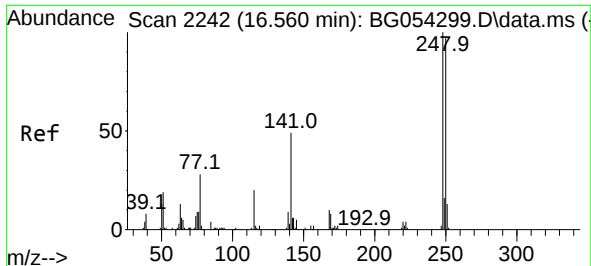
Ion Ratio Lower Upper

188 100

94 4.1 5.4 8.0#

80 5.0 6.8 10.2#

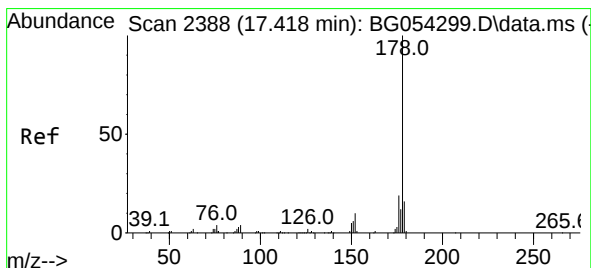
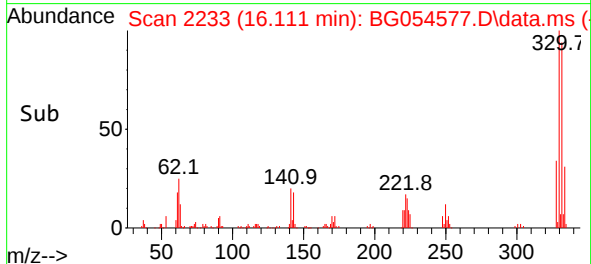
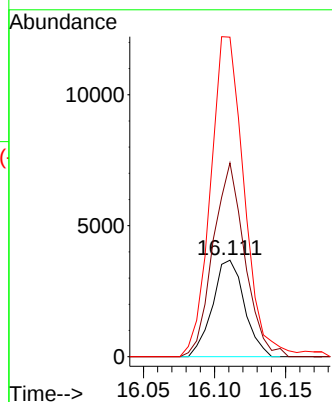
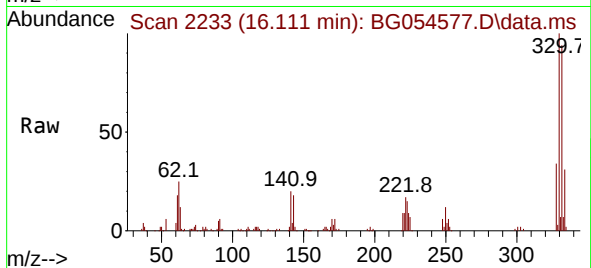




#67
4-Bromophenyl-phenylether
Concen: 2.855 ng
RT: 16.111 min Scan# 21
Delta R.T. -0.434 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

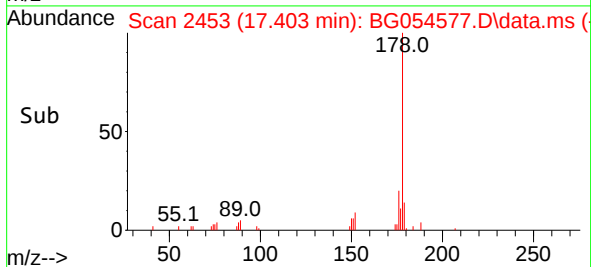
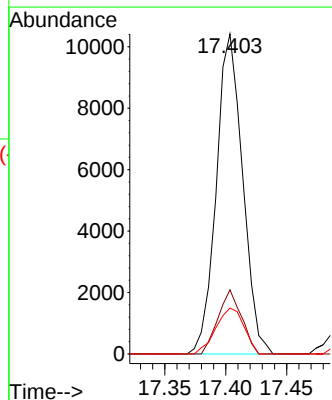
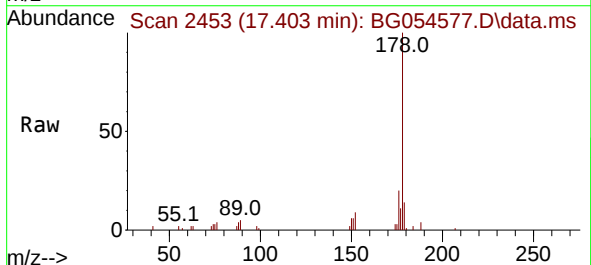
Instrument :
BNA_G
ClientSampleId :
RVE-159D

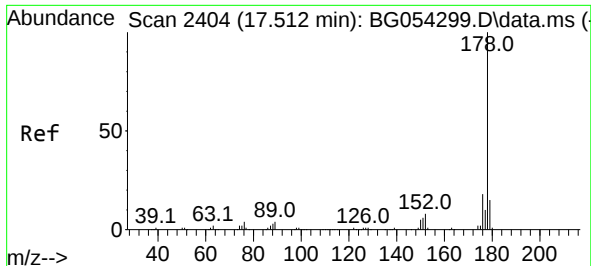
Tgt Ion:248 Resp: 5746
Ion Ratio Lower Upper
248 100
250 200.9 75.2 112.8#
141 331.4 50.0 75.0#



#71
Phenanthrene
Concen: 2.192 ng
RT: 17.403 min Scan# 2453
Delta R.T. -0.005 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

Tgt Ion:178 Resp: 15641
Ion Ratio Lower Upper
178 100
176 20.1 14.1 21.1
179 14.3 12.1 18.1

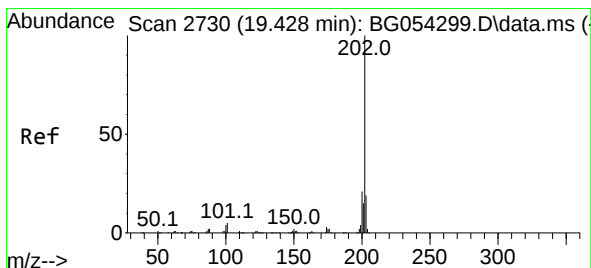
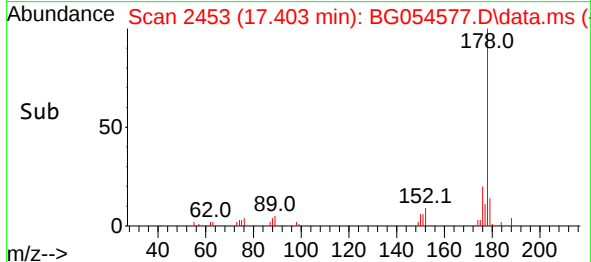
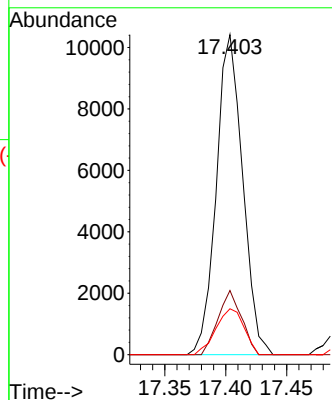
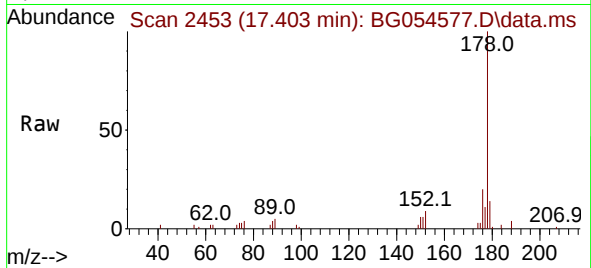




#72
 Anthracene
 Concen: 2.233 ng
 RT: 17.403 min Scan# 2404
 Delta R.T. -0.093 min
 Lab File: BG054577.D
 Acq: 9 Aug 2022 20:05

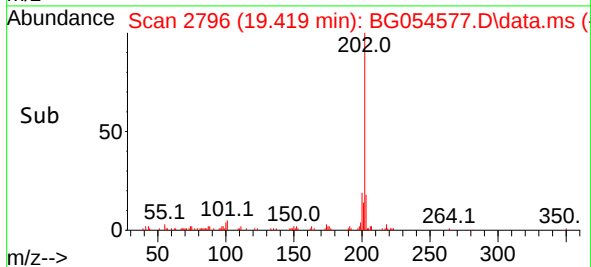
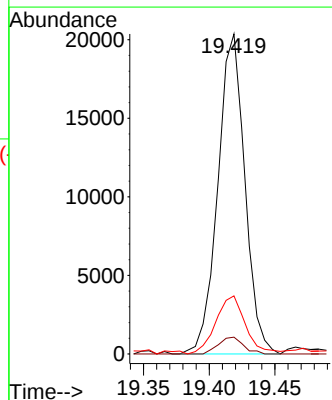
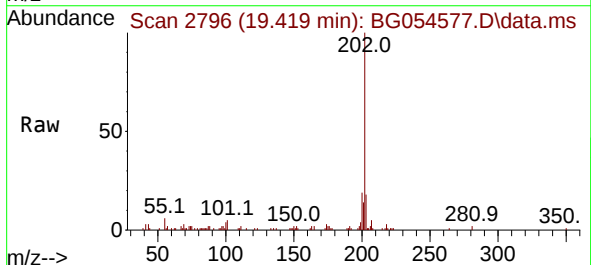
Instrument :
 BNA_G
 ClientSampleId :
 RVE-159D

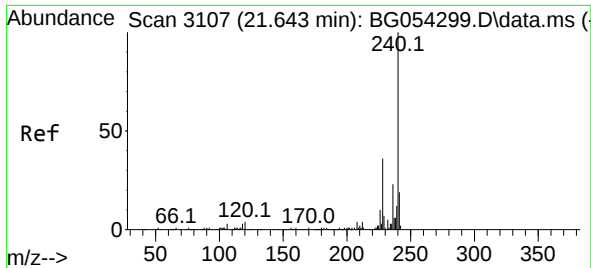
Tgt Ion:178 Resp: 15641
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.2 22.8
 179 14.3 13.0 19.4



#75
 Fluoranthene
 Concen: 2.995 ng
 RT: 19.419 min Scan# 2796
 Delta R.T. 0.001 min
 Lab File: BG054577.D
 Acq: 9 Aug 2022 20:05

Tgt Ion:202 Resp: 29135
 Ion Ratio Lower Upper
 202 100
 101 5.2 0.0 26.9
 203 18.2 0.0 37.2

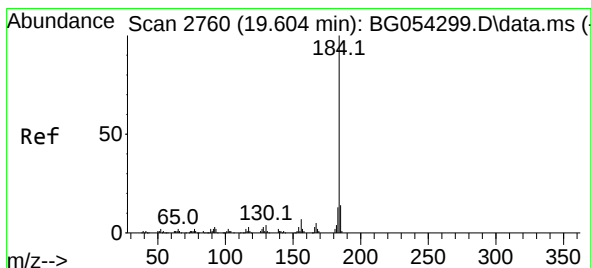
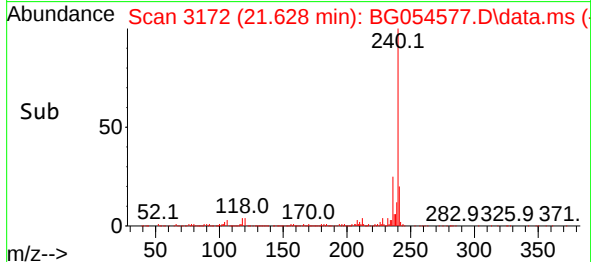
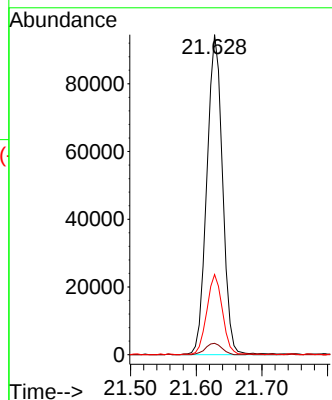
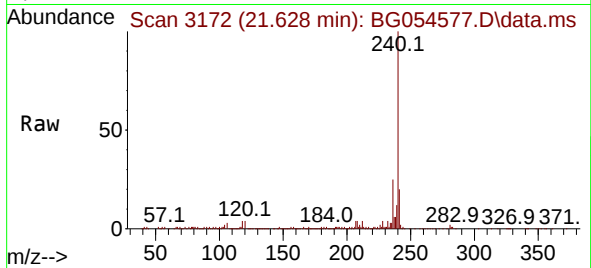




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.628 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

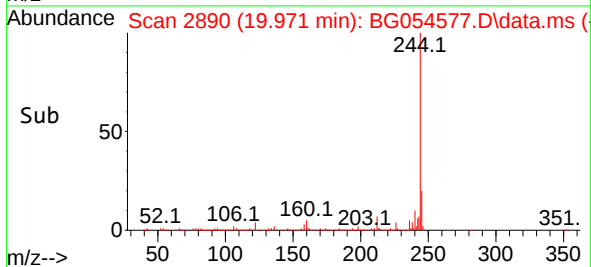
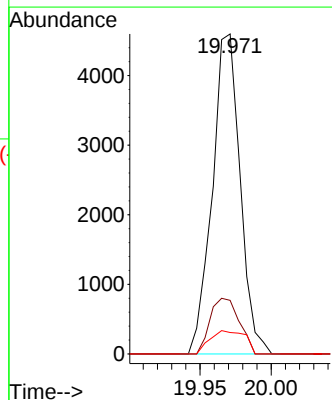
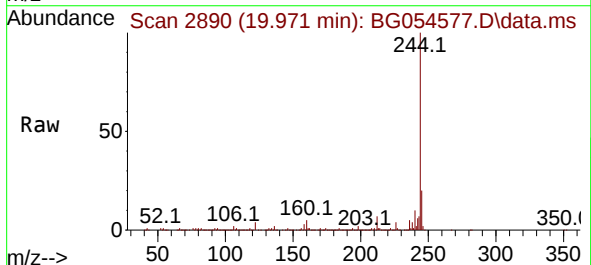
Instrument :
BNA_G
ClientSampleId :
RVE-159D

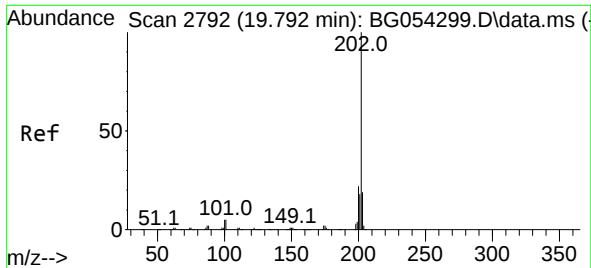
Tgt Ion:240 Resp: 157295
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 25.1 20.2 30.4



#77
Benzidine
Concen: 2.193 ng
RT: 19.971 min Scan# 2890
Delta R.T. 0.377 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

Tgt Ion:184 Resp: 6246
Ion Ratio Lower Upper
184 100
185 16.8 11.8 17.6
183 6.7 8.9 13.3#

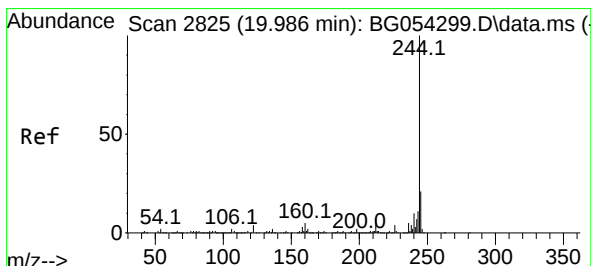
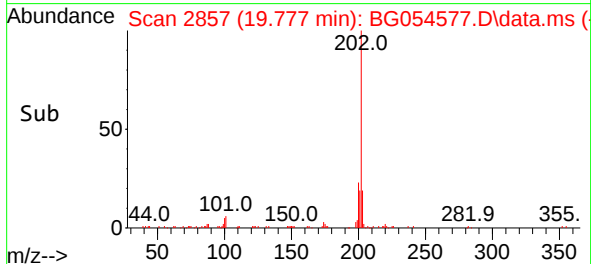
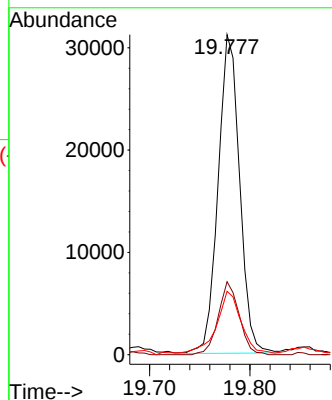
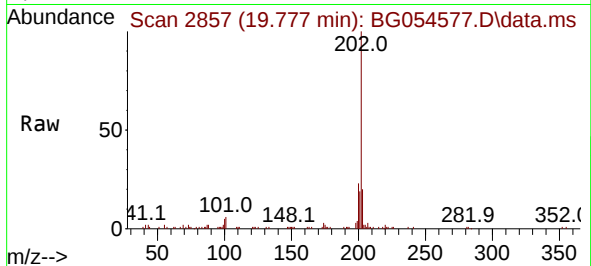




#78
 Pyrene
 Concen: 5.128 ng
 RT: 19.777 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG054577.D
 Acq: 9 Aug 2022 20:05

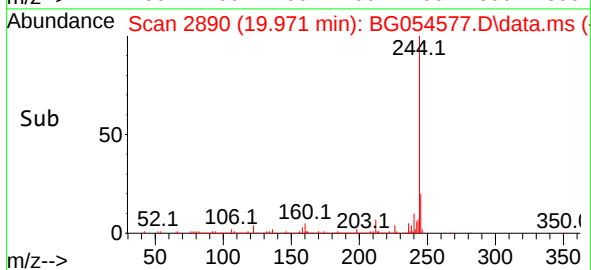
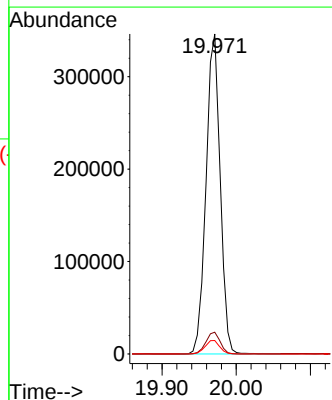
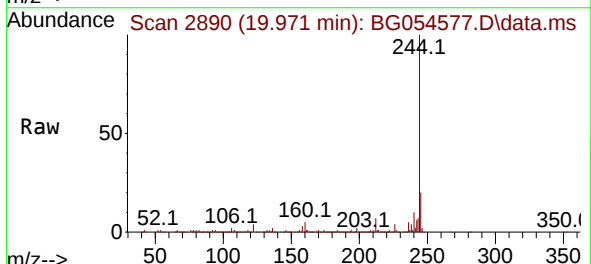
Instrument :
 BNA_G
 ClientSampleId :
 RVE-159D

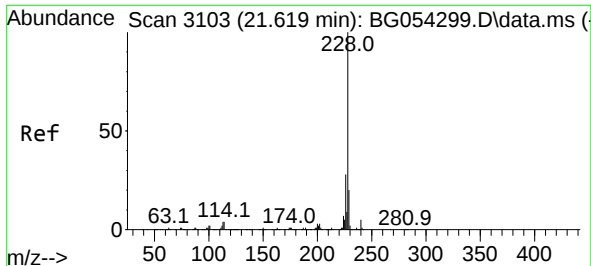
Tgt Ion:202 Resp: 46284
 Ion Ratio Lower Upper
 202 100
 200 22.8 16.6 24.8
 203 19.8 14.6 21.8



#79
 Terphenyl-d14
 Concen: 57.962 ng
 RT: 19.971 min Scan# 2890
 Delta R.T. 0.001 min
 Lab File: BG054577.D
 Acq: 9 Aug 2022 20:05

Tgt Ion:244 Resp: 459582
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.2 5.0 7.4#

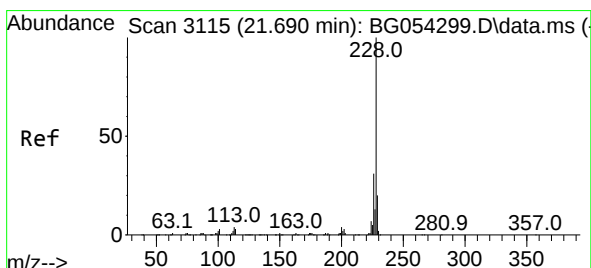
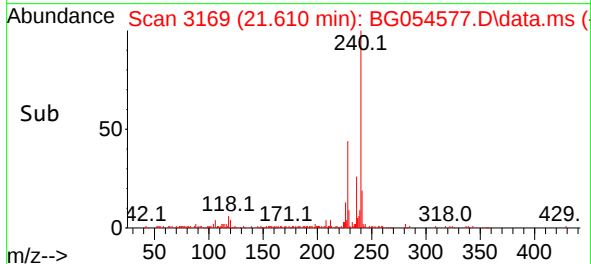
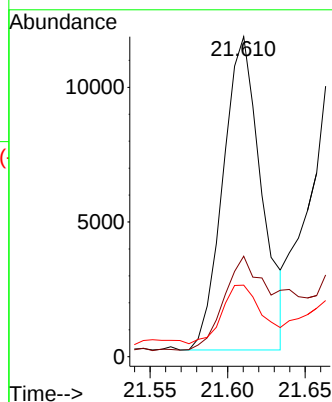
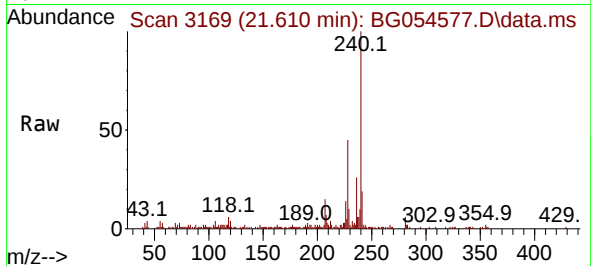




#81
Benzo(a)anthracene
Concen: 2.006 ng
RT: 21.610 min Scan# 3103
Delta R.T. -0.005 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

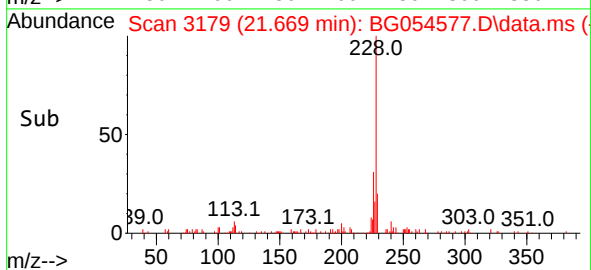
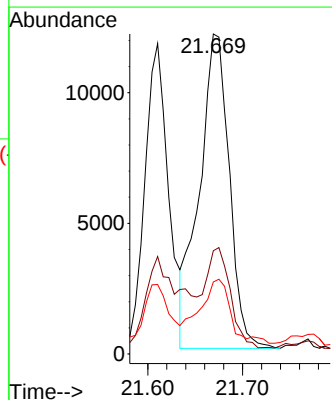
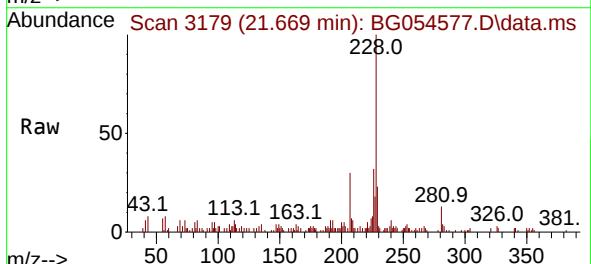
Instrument :
BNA_G
ClientSampleId :
RVE-159D

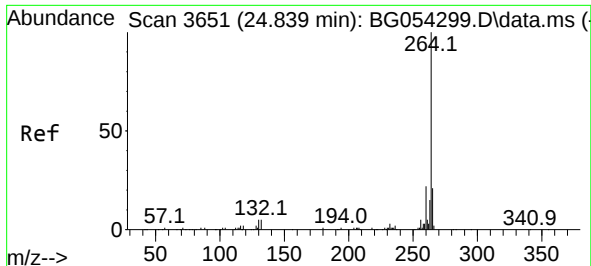
Tgt Ion:	228	Resp:	20027
Ion Ratio	Lower	Upper	
228	100		
226	31.4	21.6	32.4
229	22.4	16.2	24.2



#83
Chrysene
Concen: 2.809 ng
RT: 21.669 min Scan# 3179
Delta R.T. -0.011 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

Tgt Ion:	228	Resp:	26496
Ion Ratio	Lower	Upper	
228	100		
226	32.3	23.4	35.2
229	22.5	15.5	23.3

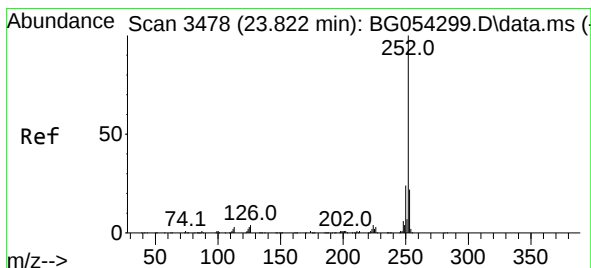
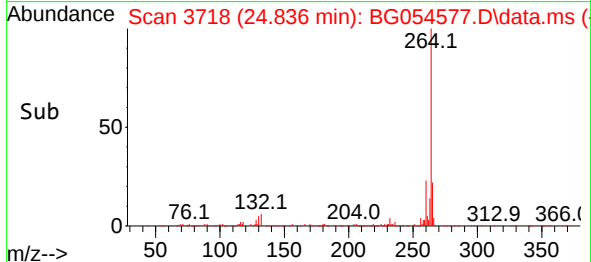
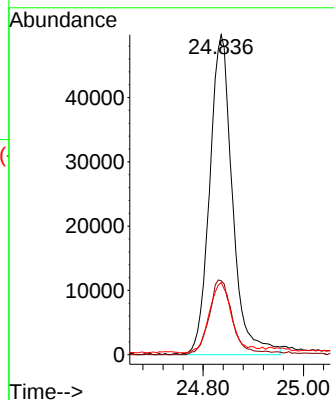
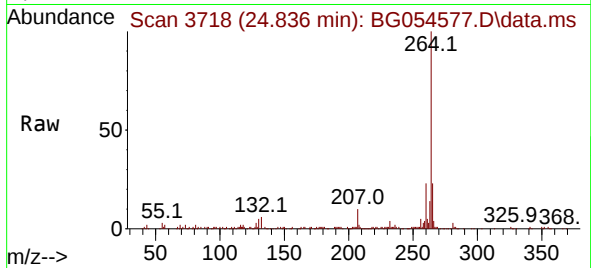




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.836 min Scan# 31
 Delta R.T. 0.001 min
 Lab File: BG054577.D
 Acq: 9 Aug 2022 20:05

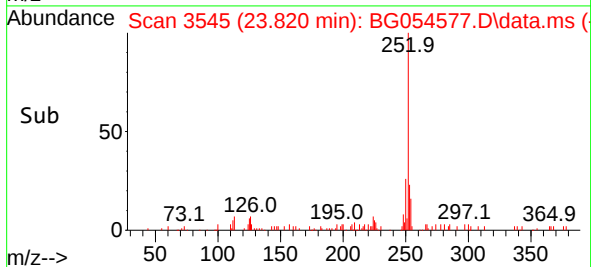
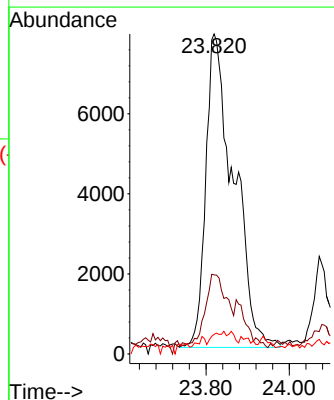
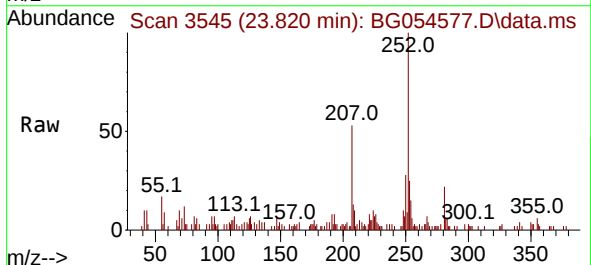
Instrument :
 BNA_G
 ClientSampleId :
 RVE-159D

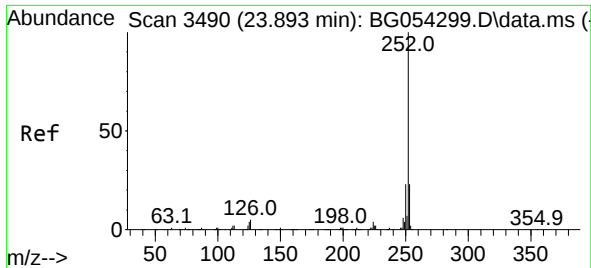
Tgt Ion:264 Resp: 157170
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 22.6 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 3.933 ng
 RT: 23.820 min Scan# 3545
 Delta R.T. 0.001 min
 Lab File: BG054577.D
 Acq: 9 Aug 2022 20:05

Tgt Ion:252 Resp: 36553
 Ion Ratio Lower Upper
 252 100
 253 24.7 18.0 27.0
 125 6.1 4.6 6.8

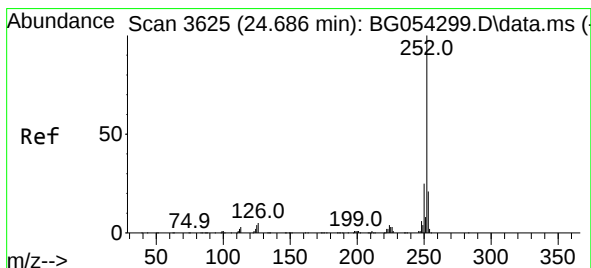
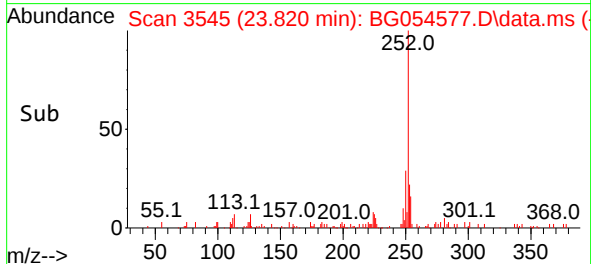
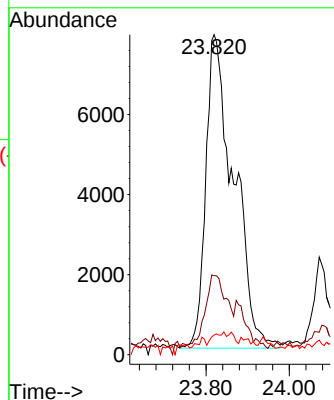
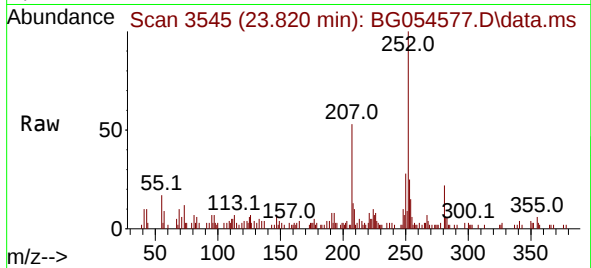




#89
Benzo(k)fluoranthene
Concen: 3.952 ng
RT: 23.820 min Scan# 31
Delta R.T. -0.064 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

Instrument :
BNA_G
ClientSampleId :
RVE-159D

Tgt Ion:	252	Resp:	36553
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.4	27.6
125	6.1	4.8	7.2



#90
Benzo(a)pyrene
Concen: 2.374 ng
RT: 24.530 min Scan# 3666
Delta R.T. -0.158 min
Lab File: BG054577.D
Acq: 9 Aug 2022 20:05

Tgt Ion:	252	Resp:	18843
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.8
125	6.3	4.3	6.5

