

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054557.D
 Acq On : 8 Aug 2022 17:34
 Operator : CG/JU
 Sample : N3960-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-162

Quant Time: Aug 09 01:55:22 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)

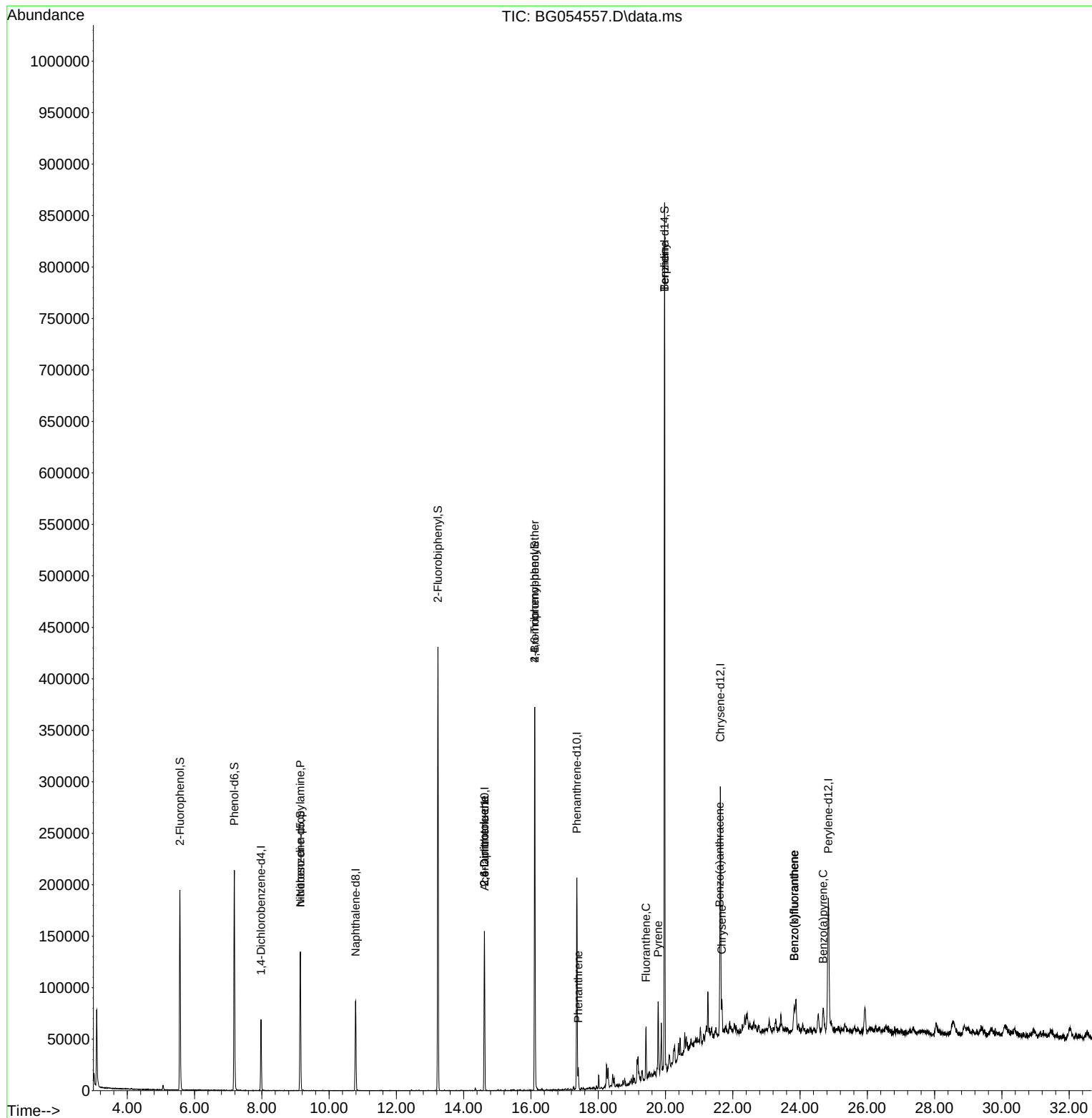
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	20682	20.000	ng	0.00
21) Naphthalene-d8	10.790	136	81626	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	61628	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	150063	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	162876	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	170933	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	91960	92.835	ng	0.00
7) Phenol-d6	7.182	99	123578	91.045	ng	0.00
23) Nitrobenzene-d5	9.145	82	85282	56.896	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	102294	79.055	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	257024	58.834	ng	0.00
79) Terphenyl-d14	19.973	244	482173	58.728	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.145	70	12278	13.546	ng	# 80
51) 2,6-Dinitrotoluene	14.615	165	8276	7.838	ng	# 16
57) 2,4-Dinitrotoluene	14.615	165	8276	5.468	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	6136	2.911	ng	# 1
71) Phenanthrene	17.406	178	15691	2.100	ng	98
75) Fluoranthene	19.421	202	34417	3.379	ng	93
77) Benzidine	19.973	184	6384	2.164	ng	# 94
78) Pyrene	19.779	202	48915	5.234	ng	96
81) Benzo(a)anthracene	21.613	228	23290	2.253	ng	94
83) Chrysene	21.677	228	27643	2.830	ng	96
88) Benzo(b)fluoranthene	23.828	252	33054	3.270	ng	98
89) Benzo(k)fluoranthene	23.828	252	33054	3.286	ng	98
90) Benzo(a)pyrene	24.686	252	24214	2.805	ng	98

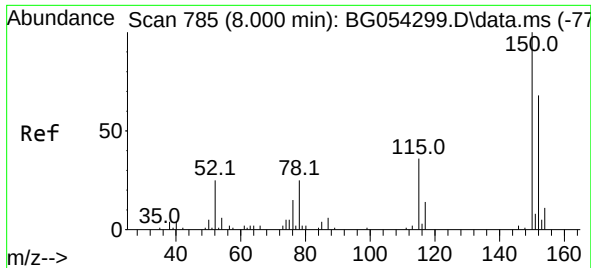
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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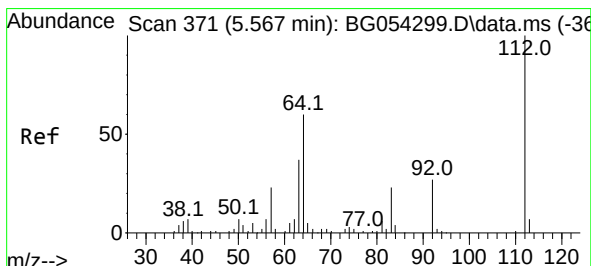
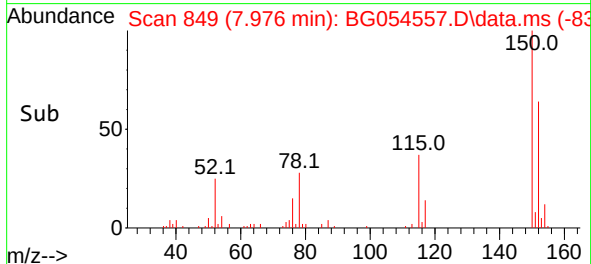
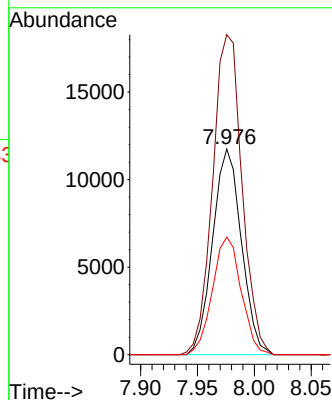
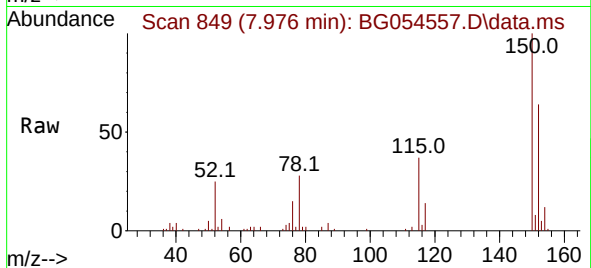




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

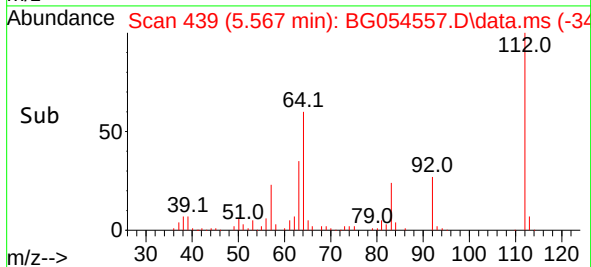
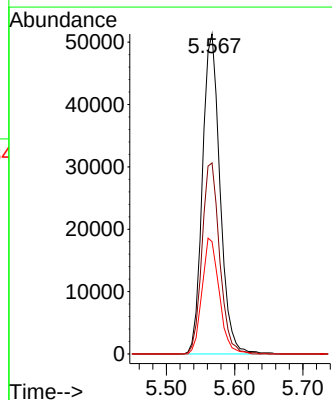
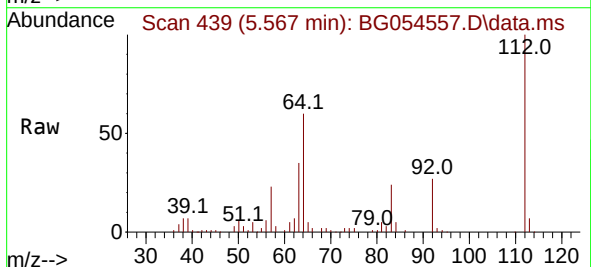
Instrument :
BNA_G
ClientSampleId :
RVE-162

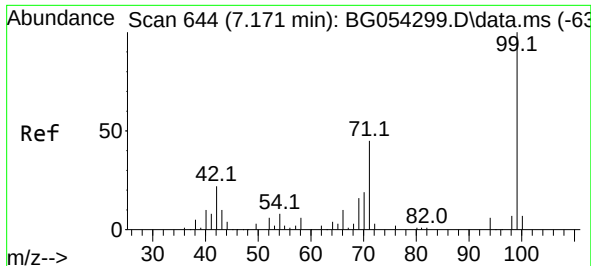
Tgt Ion:152 Resp: 20682
Ion Ratio Lower Upper
152 100
150 155.7 131.6 197.4
115 57.2 50.9 76.3



#5
2-Fluorophenol
Concen: 92.835 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.003 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

Tgt Ion:112 Resp: 91960
Ion Ratio Lower Upper
112 100
64 59.7 55.1 82.7
63 35.1 30.4 45.6

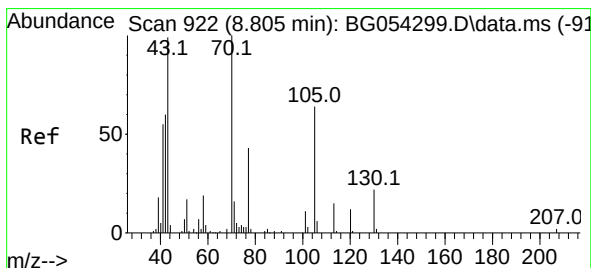
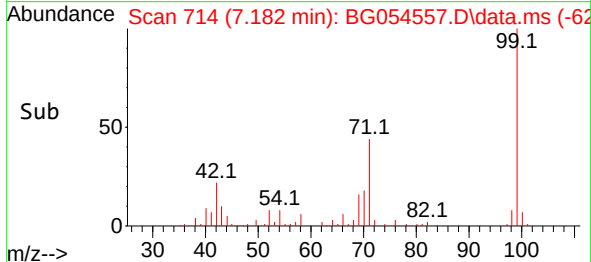
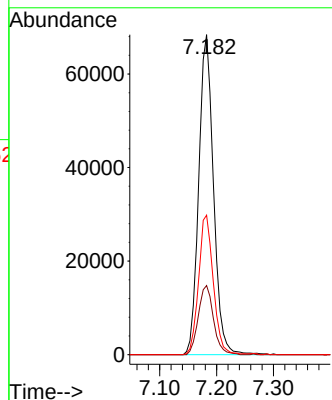
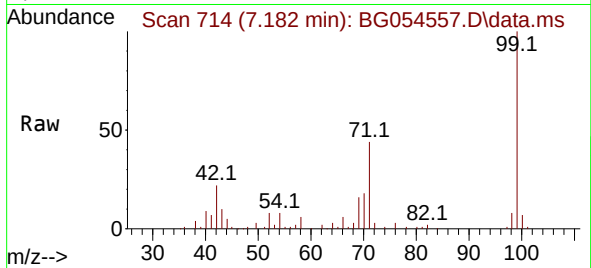




#7
Phenol-d6
Concen: 91.045 ng
RT: 7.182 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

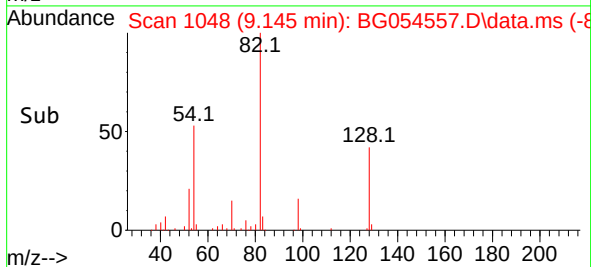
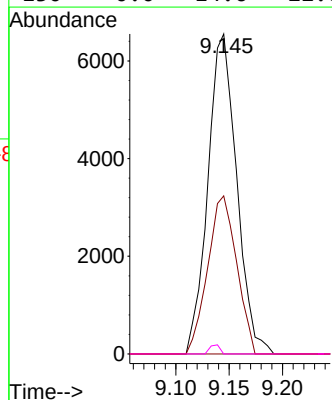
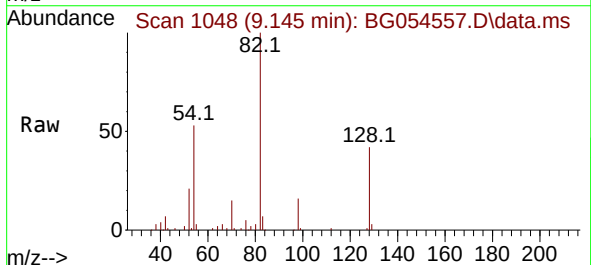
Instrument :
BNA_G
ClientSampleId :
RVE-162

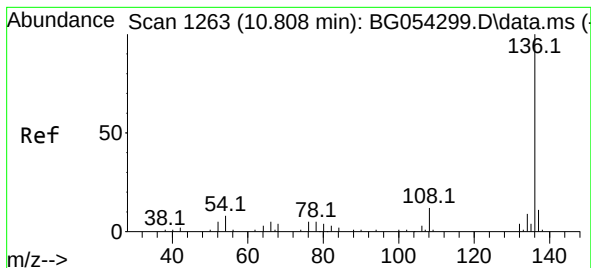
Tgt Ion: 99 Resp: 123578
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 43.6 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.546 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.362 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

Tgt Ion: 70 Resp: 12278
Ion Ratio Lower Upper
70 100
42 49.4 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: 10.790 min Scan# 11

Delta R.T. 0.003 min

Lab File: BG054557.D

Acq: 8 Aug 2022 17:34

Instrument :

BNA_G

ClientSampleId :

RVE-162

Tgt Ion:136 Resp: 81626

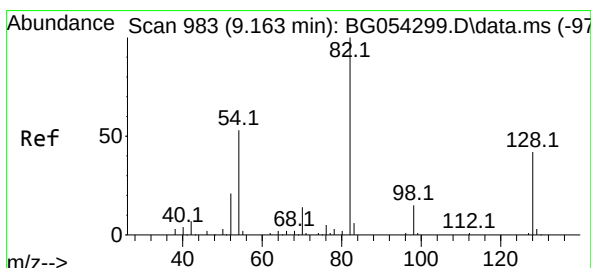
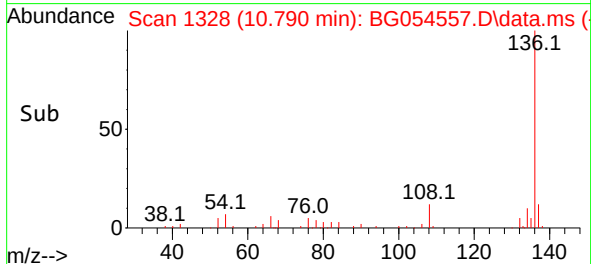
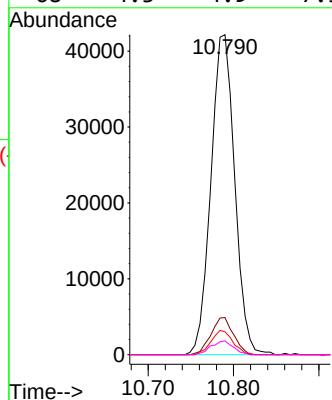
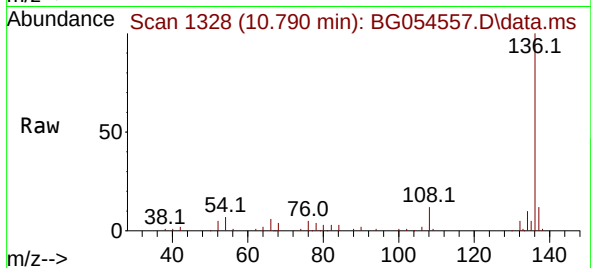
Ion Ratio Lower Upper

136 100

137 11.6 8.5 12.7

54 7.2 7.4 11.2#

68 4.3 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 56.896 ng

RT: 9.145 min Scan# 1048

Delta R.T. 0.003 min

Lab File: BG054557.D

Acq: 8 Aug 2022 17:34

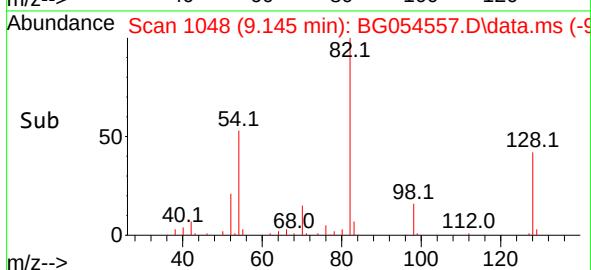
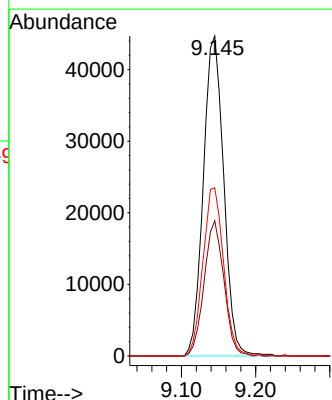
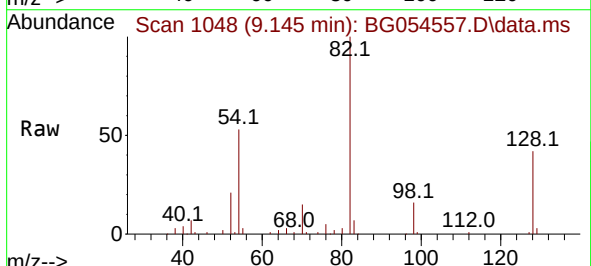
Tgt Ion: 82 Resp: 85282

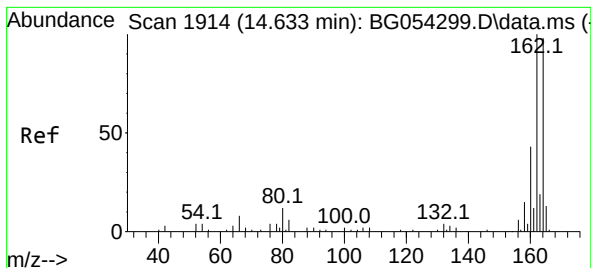
Ion Ratio Lower Upper

82 100

128 42.2 27.9 41.9#

54 52.6 41.2 61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.621 min Scan# 1914

Delta R.T. 0.003 min

Lab File: BG054557.D

Acq: 8 Aug 2022 17:34

Instrument :

BNA_G

ClientSampleId :

RVE-162

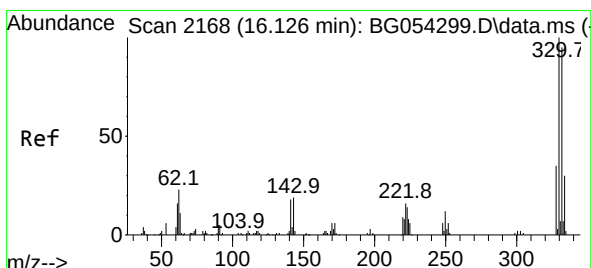
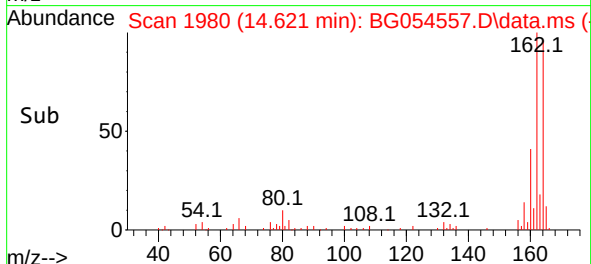
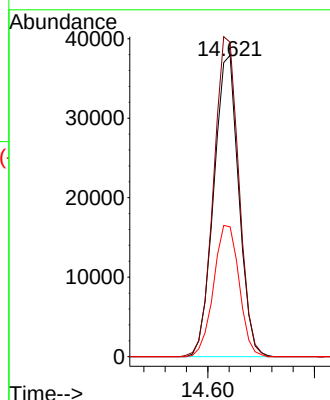
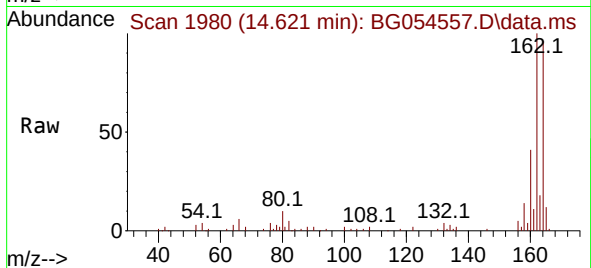
Tgt Ion:164 Resp: 61628

Ion Ratio Lower Upper

164 100

162 104.3 82.3 123.5

160 43.1 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 79.055 ng

RT: 16.113 min Scan# 2234

Delta R.T. -0.003 min

Lab File: BG054557.D

Acq: 8 Aug 2022 17:34

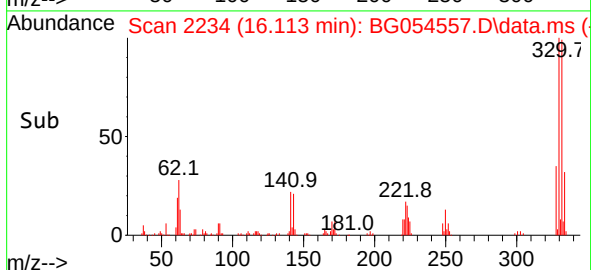
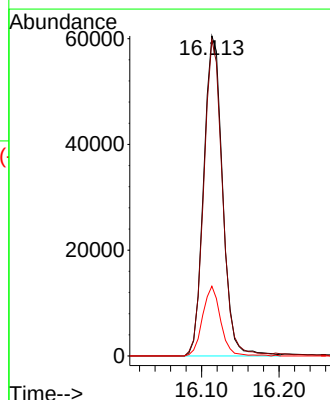
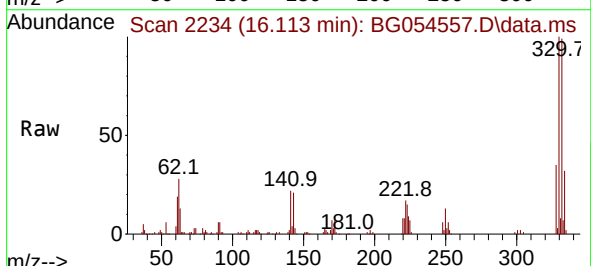
Tgt Ion:330 Resp: 102294

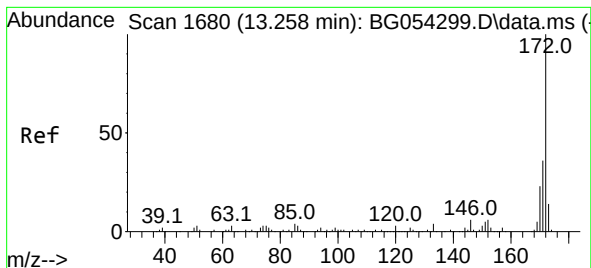
Ion Ratio Lower Upper

330 100

332 97.4 76.0 114.0

141 20.9 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 58.834 ng

RT: 13.234 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG054557.D

Acq: 8 Aug 2022 17:34

Instrument :

BNA_G

ClientSampleId :

RVE-162

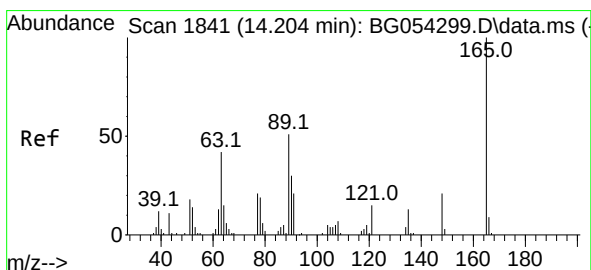
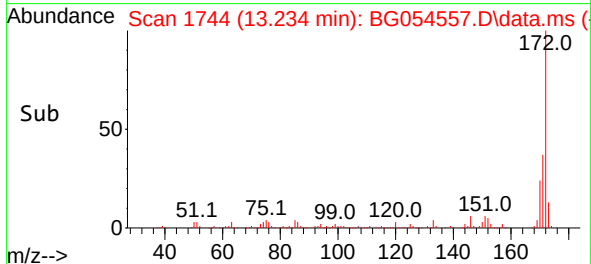
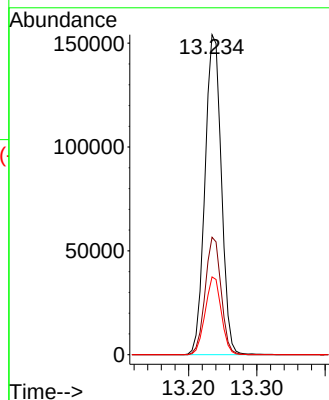
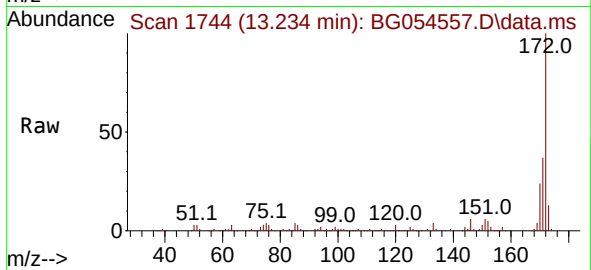
Tgt Ion:172 Resp: 257024

Ion Ratio Lower Upper

172 100

171 36.7 28.5 42.7

170 24.3 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 7.838 ng

RT: 14.615 min Scan# 1979

Delta R.T. 0.421 min

Lab File: BG054557.D

Acq: 8 Aug 2022 17:34

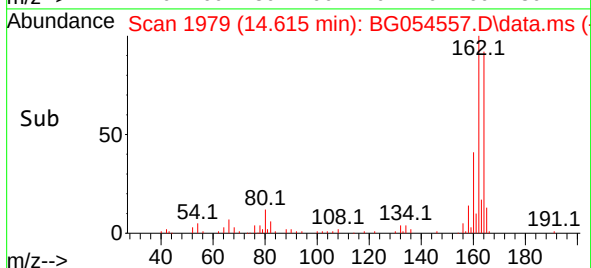
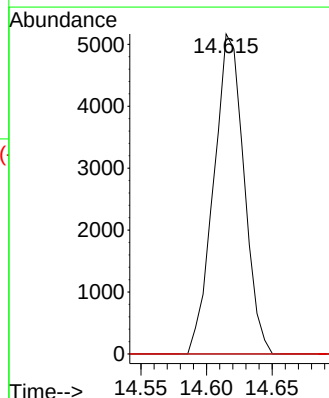
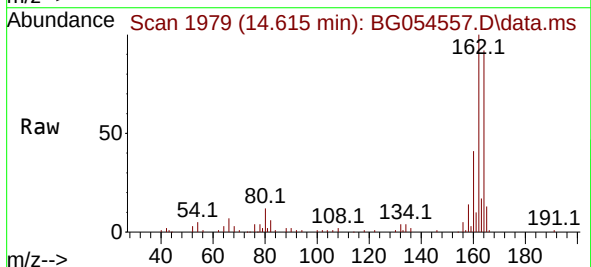
Tgt Ion:165 Resp: 8276

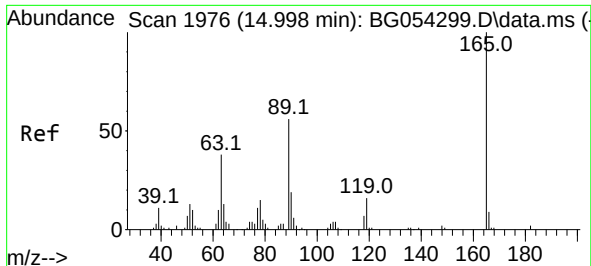
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

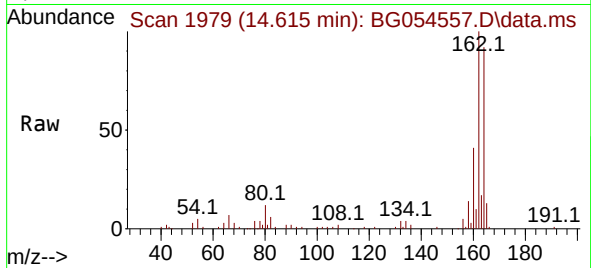
89 0.0 54.8 82.2#



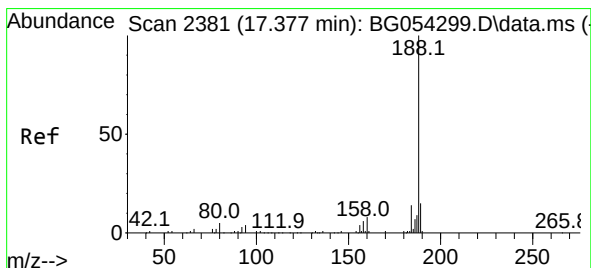
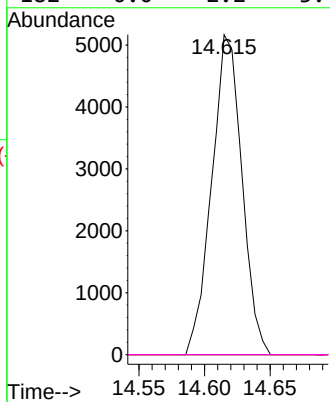
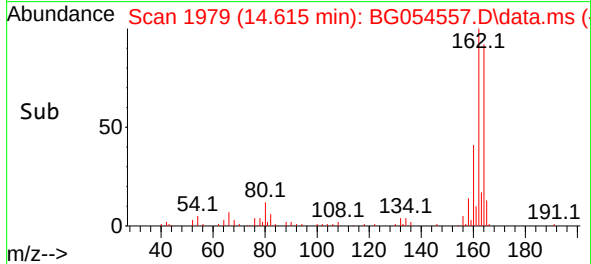


#57
2,4-Dinitrotoluene
Concen: 5.468 ng
RT: 14.615 min Scan# 14
Delta R.T. -0.379 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

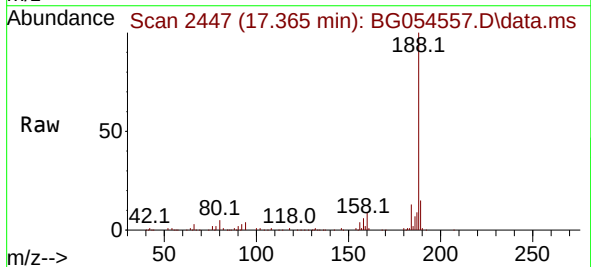
Instrument :
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ClientSampleId :
RVE-162



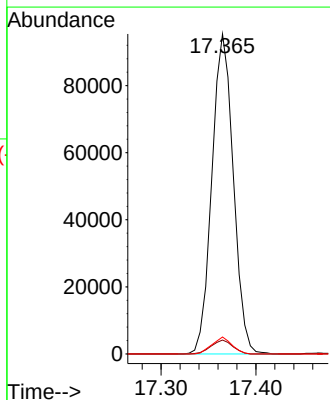
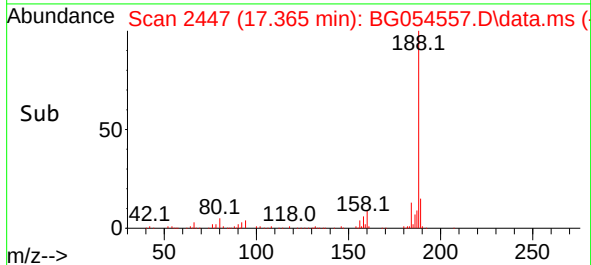
Tgt Ion:165 Resp: 8276
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#

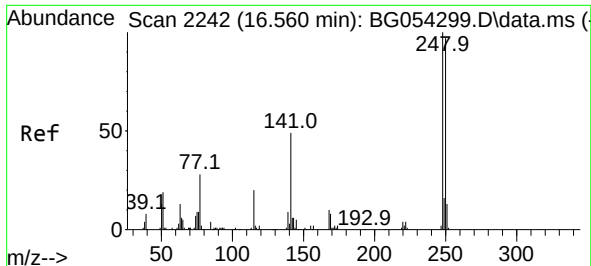


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. 0.003 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34



Tgt Ion:188 Resp: 150063
Ion Ratio Lower Upper
188 100
94 4.4 5.4 8.0#
80 5.3 6.8 10.2#

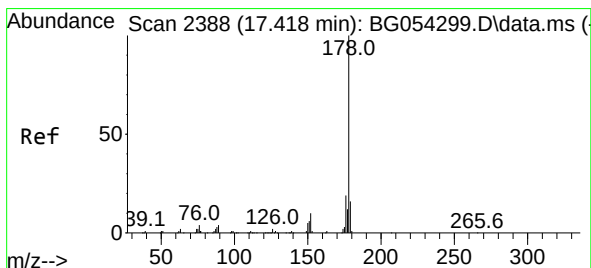
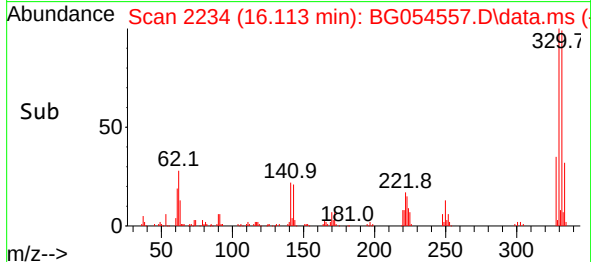
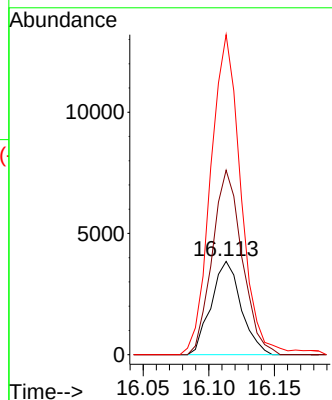
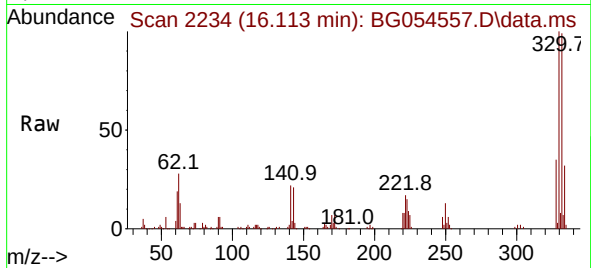




#67
4-Bromophenyl-phenylether
Concen: 2.911 ng
RT: 16.113 min Scan# 21
Delta R.T. -0.431 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

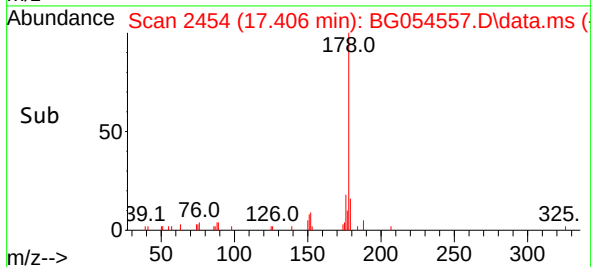
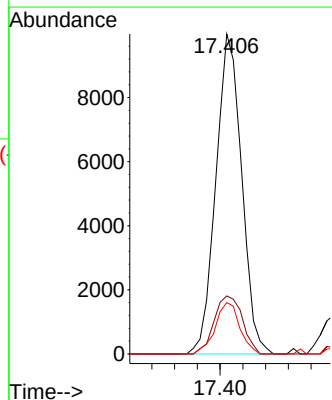
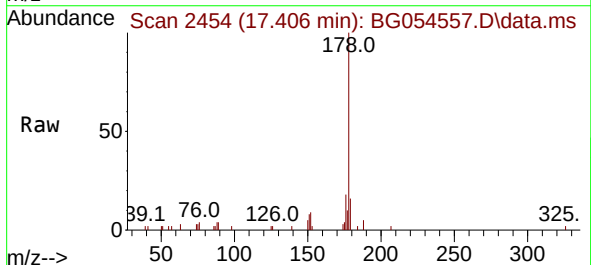
Instrument :
BNA_G
ClientSampleId :
RVE-162

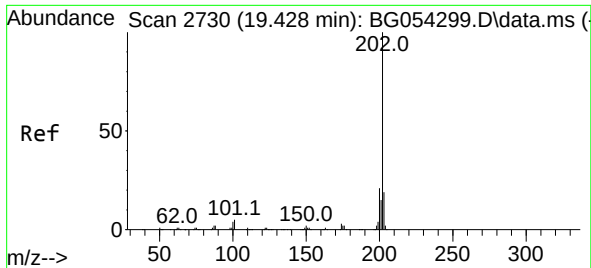
Tgt Ion:248 Resp: 6136
Ion Ratio Lower Upper
248 100
250 197.6 75.2 112.8#
141 342.9 50.0 75.0#



#71
Phenanthrene
Concen: 2.100 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.003 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

Tgt Ion:178 Resp: 15691
Ion Ratio Lower Upper
178 100
176 18.1 14.1 21.1
179 16.1 12.1 18.1

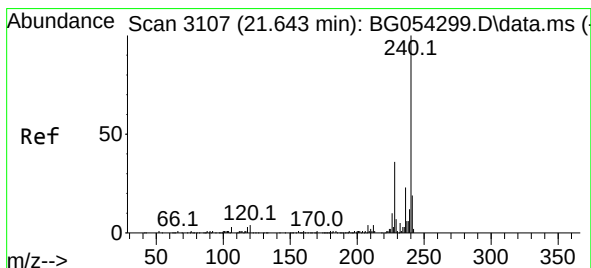
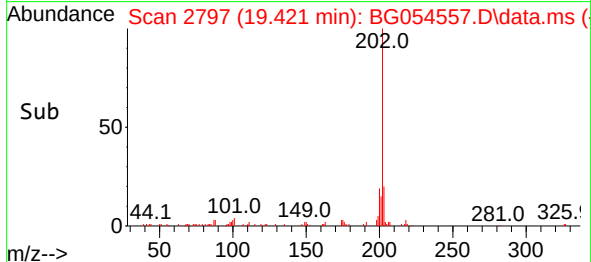
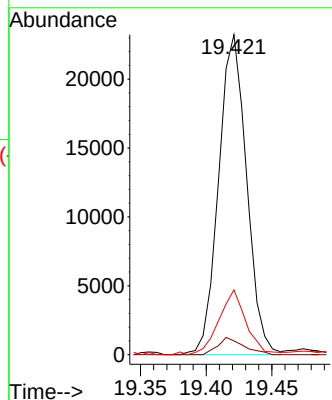
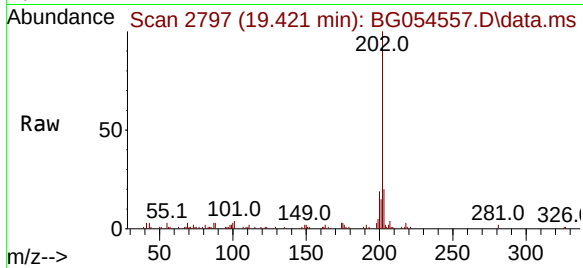




#75
Fluoranthene
Concen: 3.379 ng
RT: 19.421 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

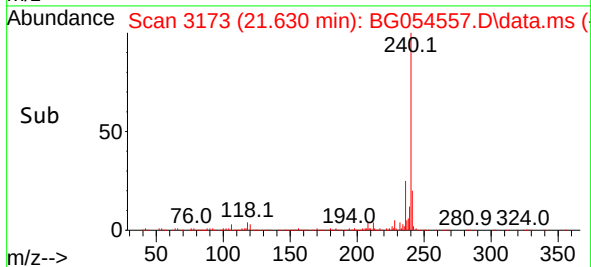
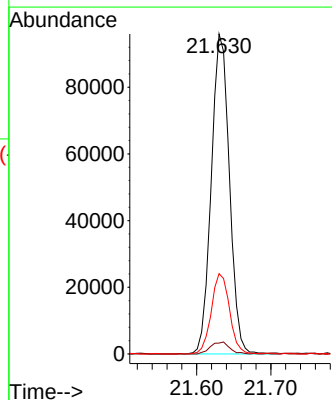
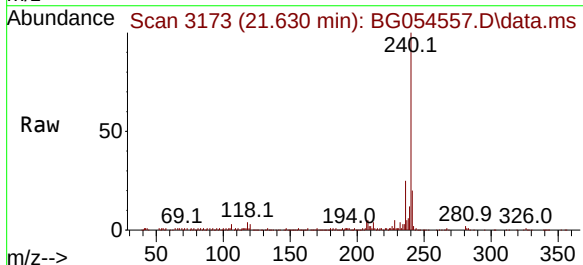
Instrument :
BNA_G
ClientSampleId :
RVE-162

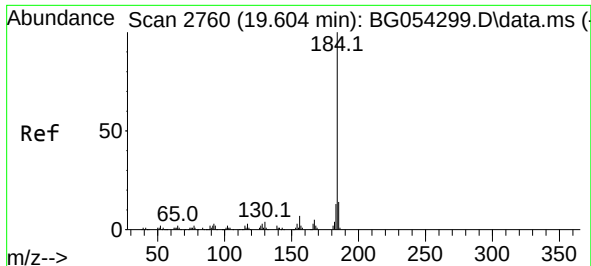
Tgt Ion:202 Resp: 34417
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 20.3 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.003 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

Tgt Ion:240 Resp: 162876
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0#
236 25.1 20.2 30.4

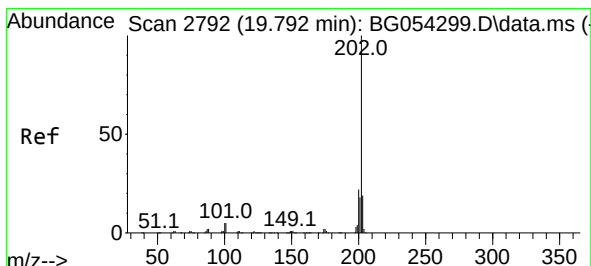
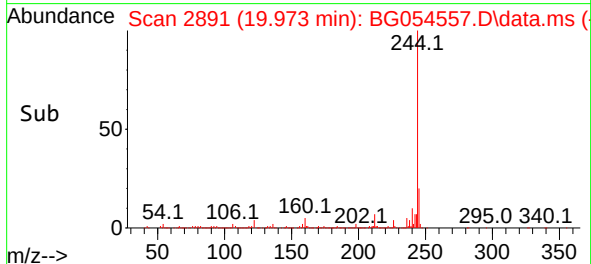
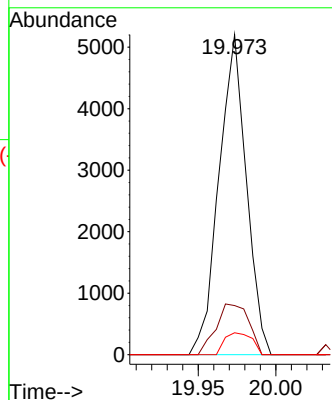
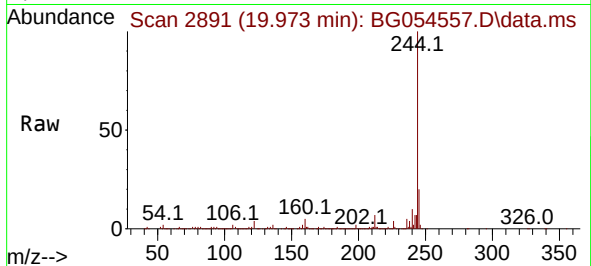




#77
Benzidine
Concen: 2.164 ng
RT: 19.973 min Scan# 21
Delta R.T. 0.379 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

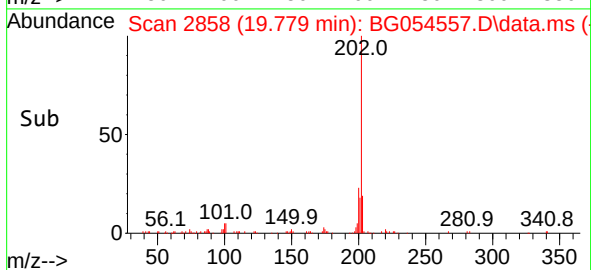
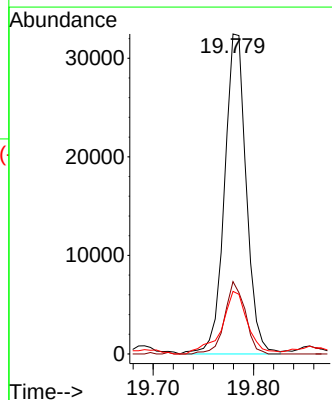
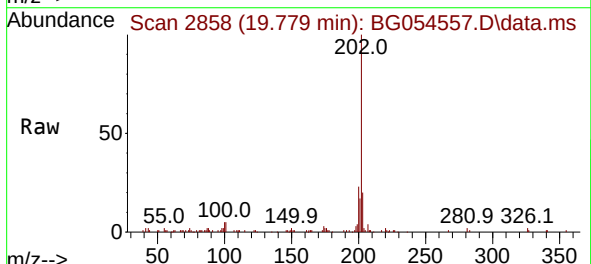
Instrument :
BNA_G
ClientSampleId :
RVE-162

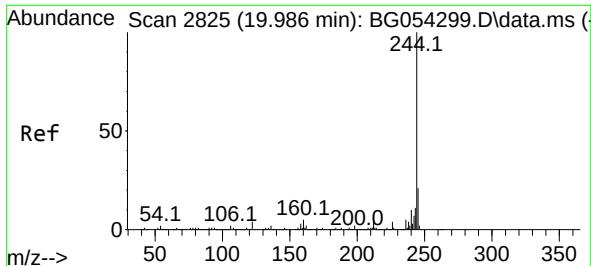
Tgt Ion:184 Resp: 6384
Ion Ratio Lower Upper
184 100
185 15.3 11.8 17.6
183 6.8 8.9 13.3#



#78
Pyrene
Concen: 5.234 ng
RT: 19.779 min Scan# 2858
Delta R.T. -0.003 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

Tgt Ion:202 Resp: 48915
Ion Ratio Lower Upper
202 100
200 22.6 16.6 24.8
203 19.5 14.6 21.8

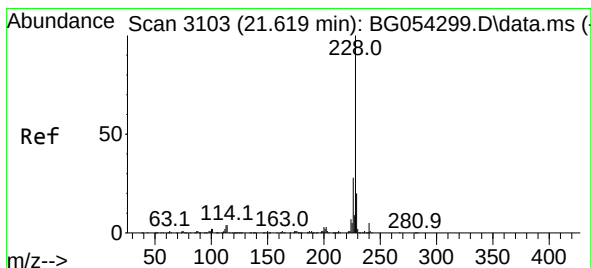
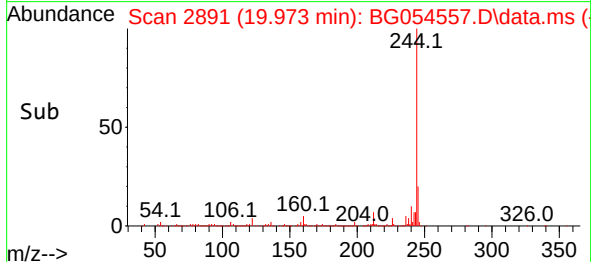
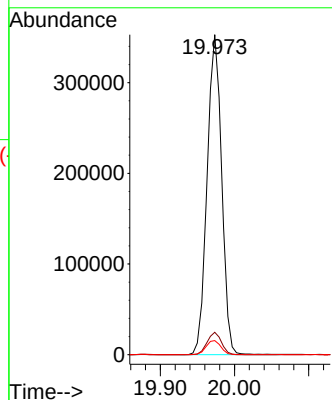
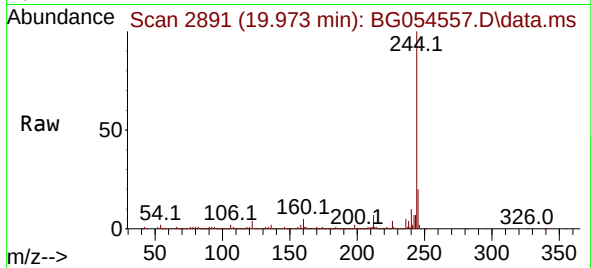




#79
 Terphenyl-d14
 Concen: 58.728 ng
 RT: 19.973 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG054557.D
 Acq: 8 Aug 2022 17:34

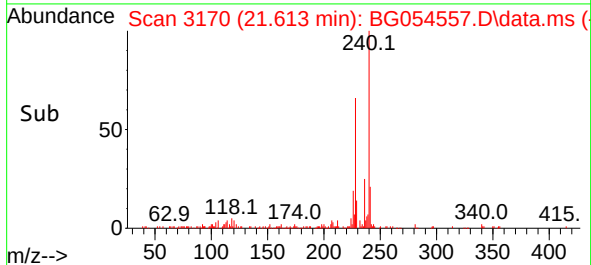
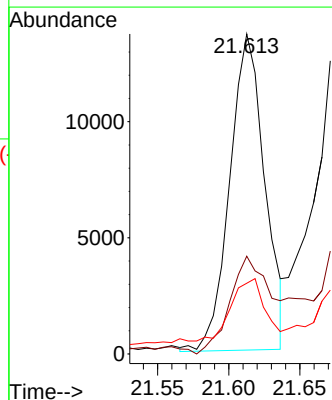
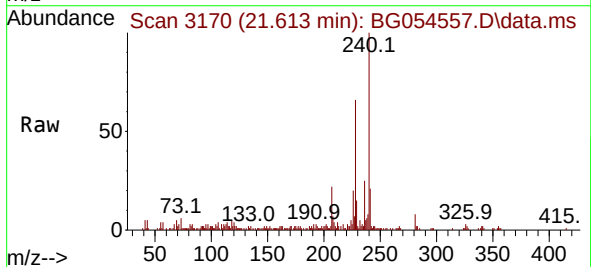
Instrument :
 BNA_G
 ClientSampleId :
 RVE-162

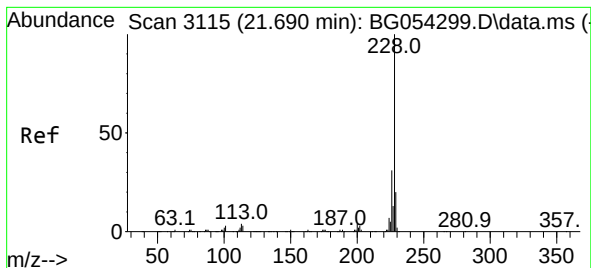
Tgt Ion:244 Resp: 482173
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.4 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 2.253 ng
 RT: 21.613 min Scan# 3170
 Delta R.T. -0.003 min
 Lab File: BG054557.D
 Acq: 8 Aug 2022 17:34

Tgt Ion:228 Resp: 23290
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.6 32.4
 229 22.1 16.2 24.2





#83

Chrysene

Concen: 2.830 ng

RT: 21.677 min Scan# 3115

Delta R.T. -0.003 min

Lab File: BG054557.D

Acq: 8 Aug 2022 17:34

Instrument :

BNA_G

ClientSampleId :

RVE-162

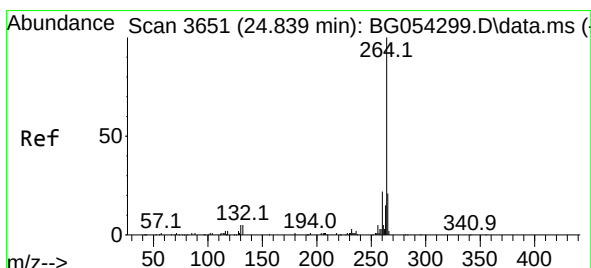
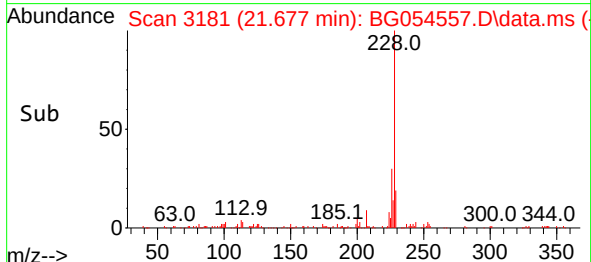
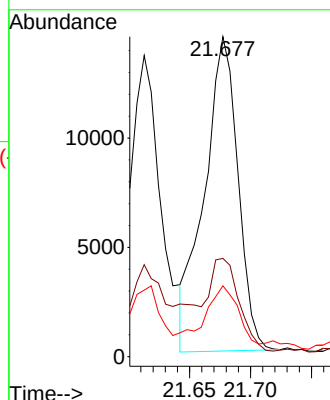
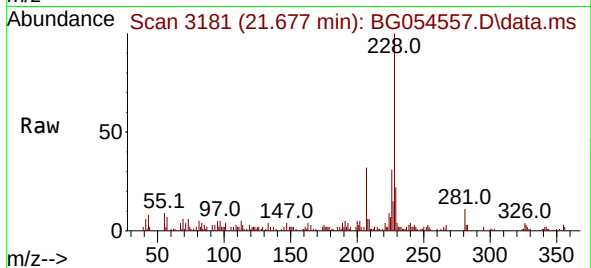
Tgt Ion:228 Resp: 27643

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

229 22.1 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.838 min Scan# 3719

Delta R.T. 0.003 min

Lab File: BG054557.D

Acq: 8 Aug 2022 17:34

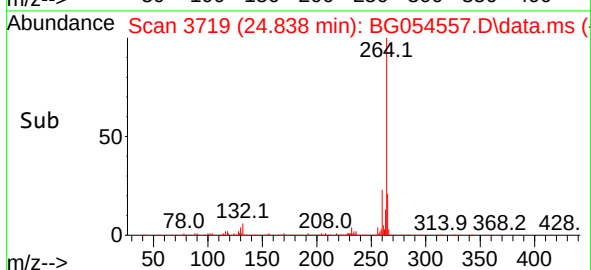
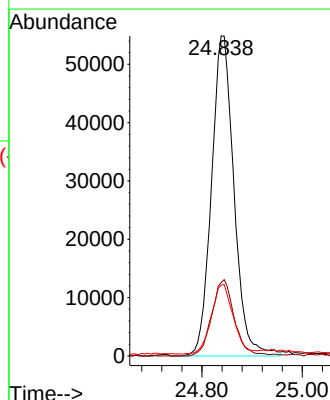
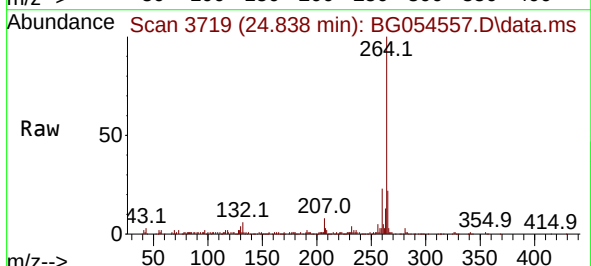
Tgt Ion:264 Resp: 170933

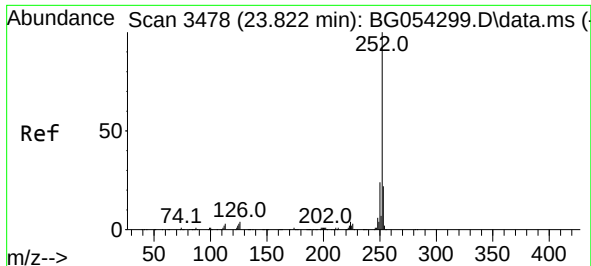
Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.6

265 22.2 17.4 26.2

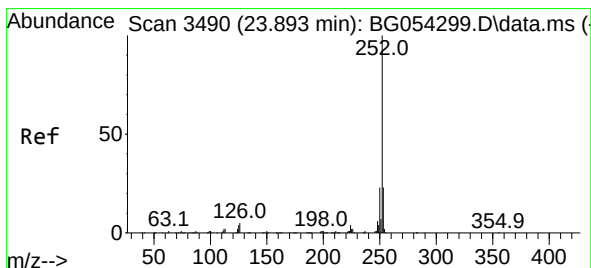
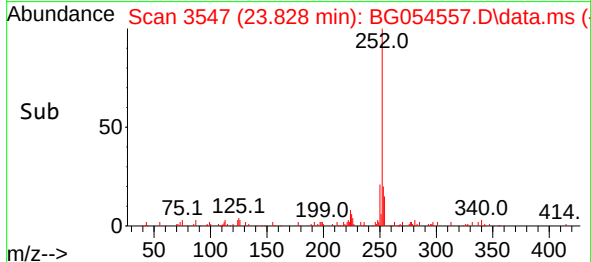
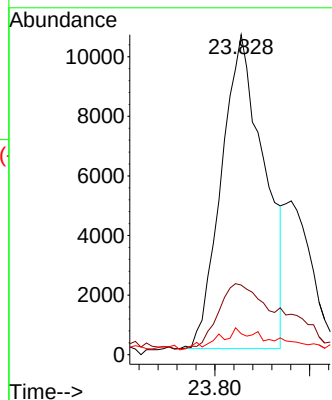
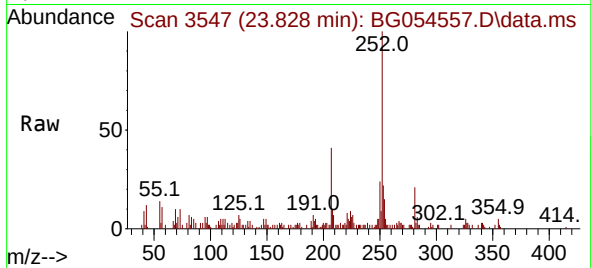




#88
Benzo(b)fluoranthene
Concen: 3.270 ng
RT: 23.828 min Scan# 31
Delta R.T. 0.009 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

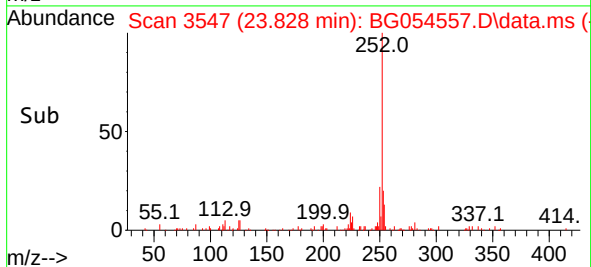
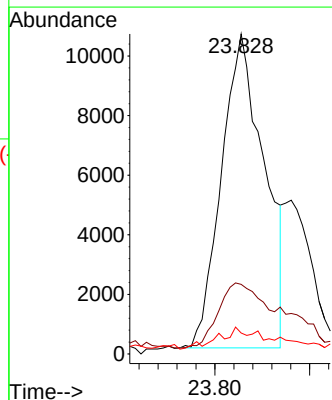
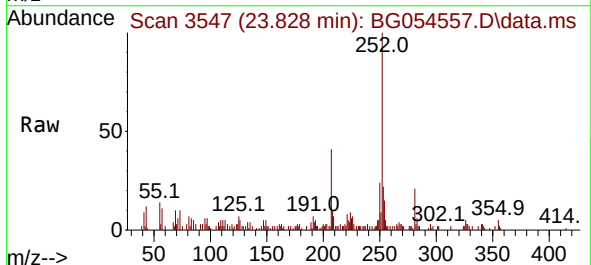
Instrument :
BNA_G
ClientSampleId :
RVE-162

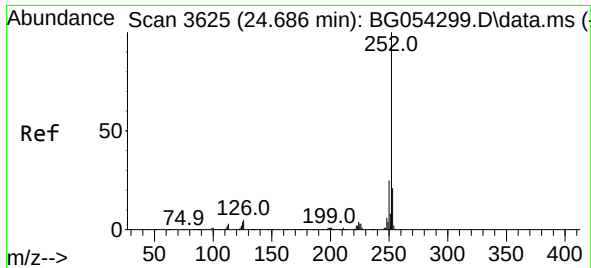
Tgt Ion:252 Resp: 33054
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 6.6 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 3.286 ng
RT: 23.828 min Scan# 3547
Delta R.T. -0.055 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

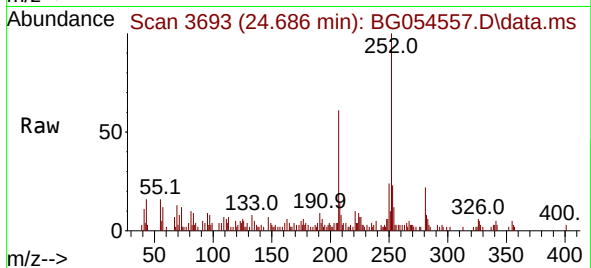
Tgt Ion:252 Resp: 33054
Ion Ratio Lower Upper
252 100
253 21.8 18.4 27.6
125 6.6 4.8 7.2





#90
Benzo(a)pyrene
Concen: 2.805 ng
RT: 24.686 min Scan# 30
Delta R.T. -0.002 min
Lab File: BG054557.D
Acq: 8 Aug 2022 17:34

Instrument :
BNA_G
ClientSampleId :
RVE-162



Tgt Ion:	252	Resp:	24214
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.8
125	6.2	4.3	6.5

