

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
 Data File : BG054539.D
 Acq On : 5 Aug 2022 17:34
 Operator : CG/JU
 Sample : N3960-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-167

Quant Time: Aug 06 05:40:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

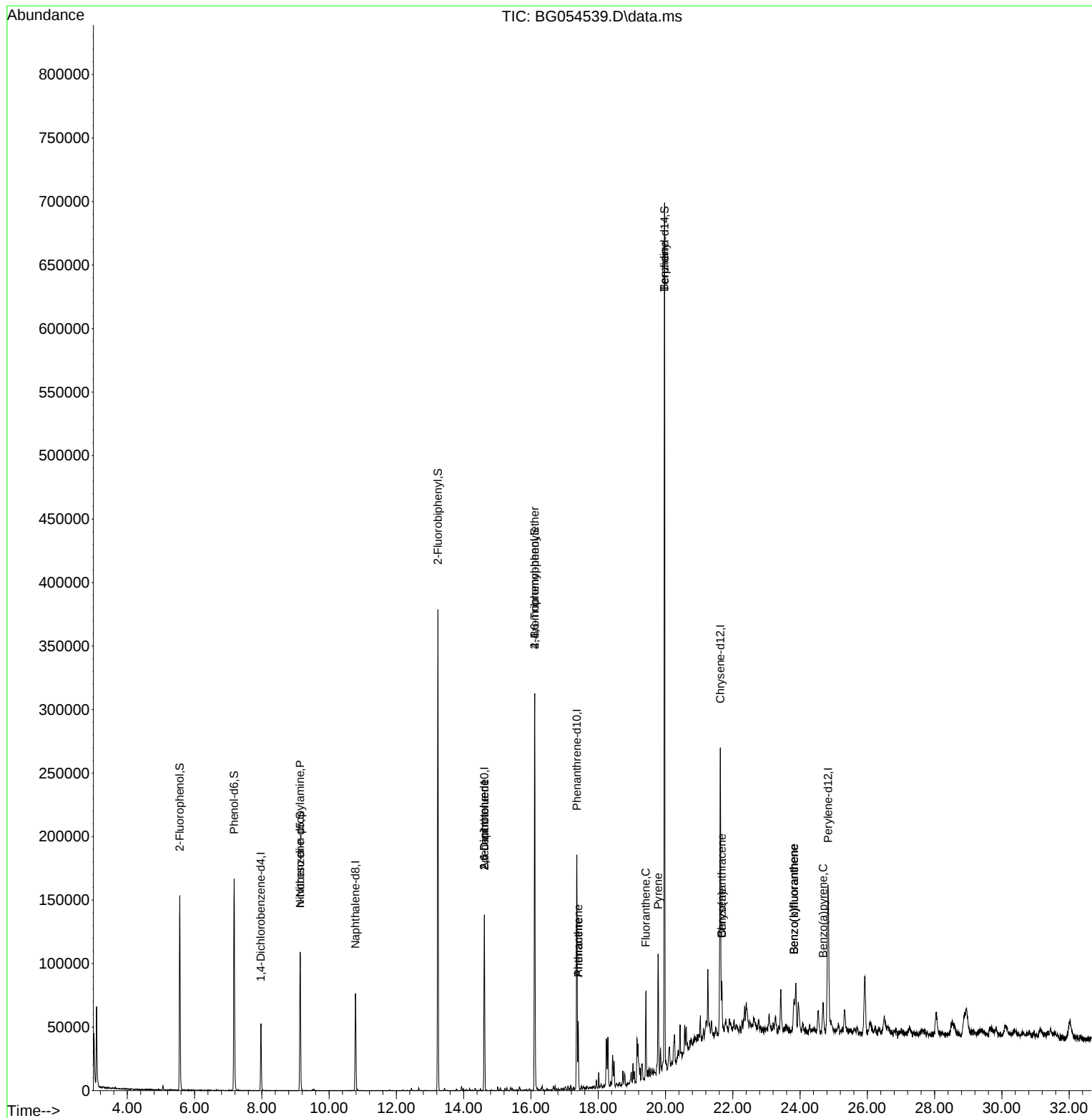
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	16778	20.000	ng	-0.02
21) Naphthalene-d8	10.785	136	69753	20.000	ng	#-0.01
39) Acenaphthene-d10	14.615	164	54114	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	131493	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	141102	20.000	ng	# 0.00
86) Perylene-d12	24.833	264	151111	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	69547	86.546	ng	0.00
7) Phenol-d6	7.177	99	96095	87.271	ng	0.00
23) Nitrobenzene-d5	9.139	82	68533	53.505	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	84146	74.060	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	210527	54.882	ng	-0.01
79) Terphenyl-d14	19.974	244	401535	56.453	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.139	70	9328	12.686	ng	# 80
51) 2,6-Dinitrotoluene	14.615	165	7555	8.149	ng	# 16
57) 2,4-Dinitrotoluene	14.615	165	7555	5.684	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	4685	2.537	ng	# 1
71) Phenanthrene	17.406	178	38370	5.860	ng	97
72) Anthracene	17.406	178	38370	5.971	ng	98
75) Fluoranthene	19.416	202	45683	5.118	ng	99
77) Benzidine	19.968	184	5258	2.058	ng	# 83
78) Pyrene	19.780	202	65485	8.088	ng	99
81) Benzo(a)anthracene	21.678	228	32637	3.644	ng	94
83) Chrysene	21.678	228	32637	3.857	ng	96
88) Benzo(b)fluoranthene	23.822	252	46800	5.237	ng	99
89) Benzo(k)fluoranthene	23.822	252	46800	5.262	ng	99
90) Benzo(a)pyrene	24.686	252	27265	3.573	ng	96

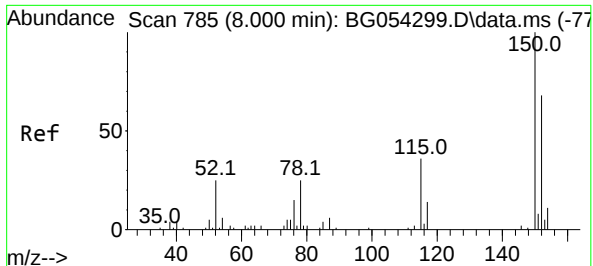
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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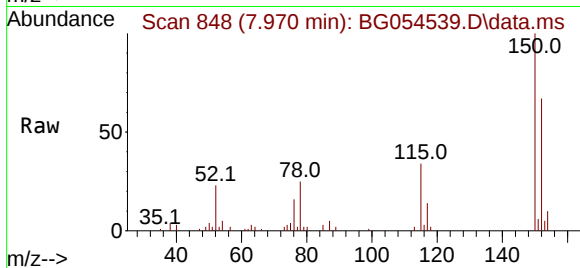
Quant Time: Aug 06 05:40:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
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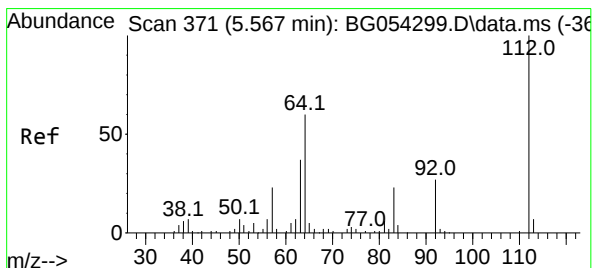
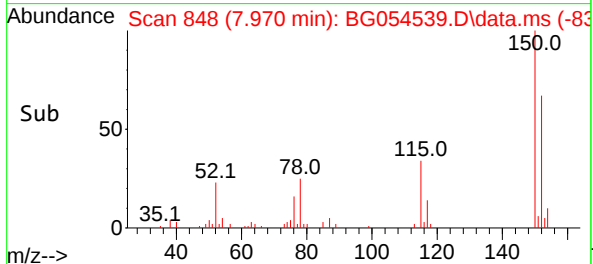
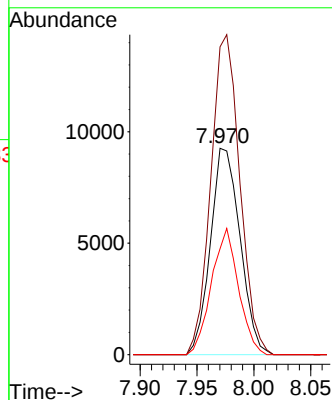


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.970 min Scan# 84
Delta R.T. -0.018 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

Instrument :
BNA_G
ClientSampleId :
RVE-167

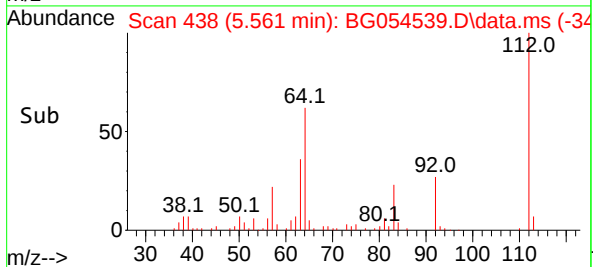
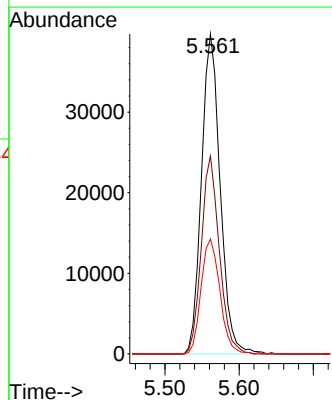
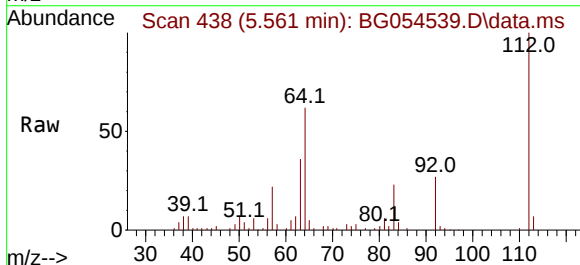


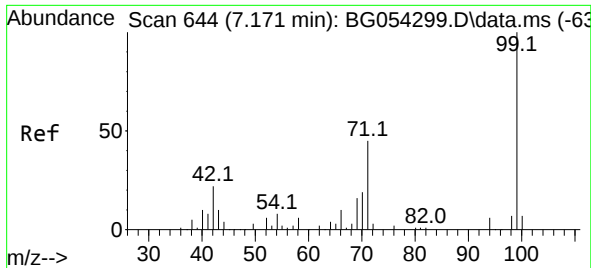
Tgt Ion:152 Resp: 16778
Ion Ratio Lower Upper
152 100
150 149.2 131.6 197.4
115 51.4 50.9 76.3



#5
2-Fluorophenol
Concen: 86.546 ng
RT: 5.561 min Scan# 438
Delta R.T. -0.001 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

Tgt Ion:112 Resp: 69547
Ion Ratio Lower Upper
112 100
64 61.9 55.1 82.7
63 36.0 30.4 45.6

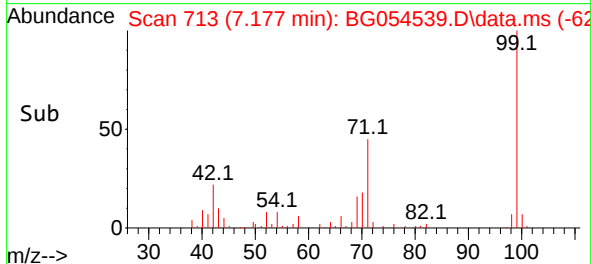
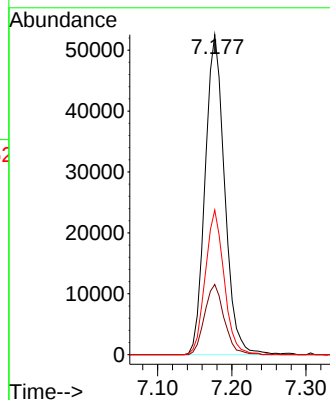
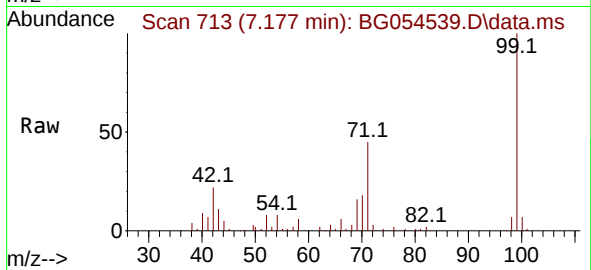




#7
Phenol-d6
Concen: 87.271 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

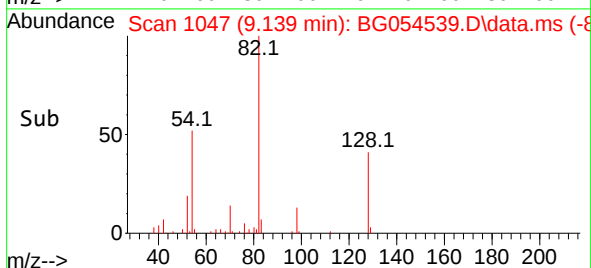
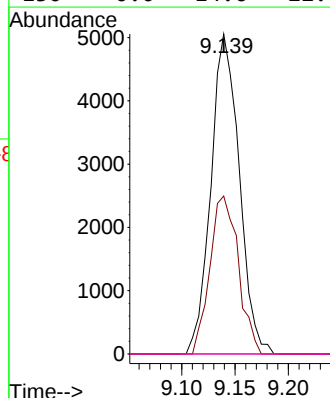
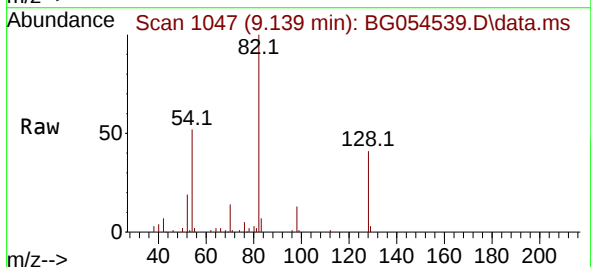
Instrument :
BNA_G
ClientSampleId :
RVE-167

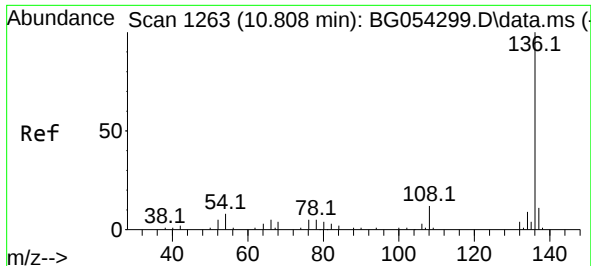
Tgt Ion: 99 Resp: 96095
Ion Ratio Lower Upper
99 100
42 21.9 17.0 25.6
71 45.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.686 ng
RT: 9.139 min Scan# 1047
Delta R.T. 0.346 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

Tgt Ion: 70 Resp: 9328
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#

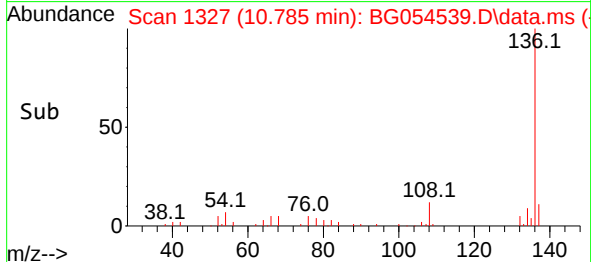
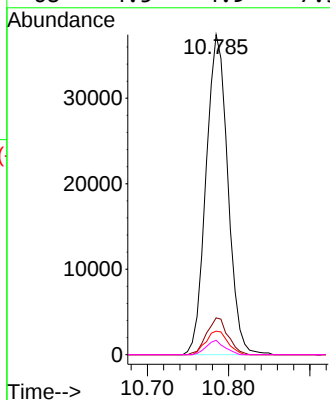
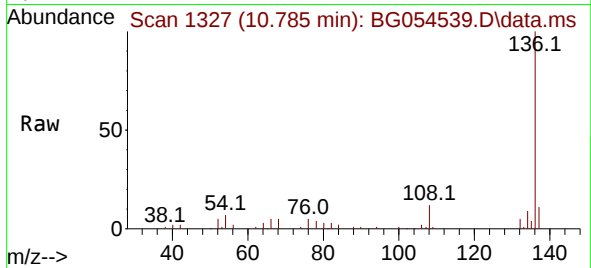




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

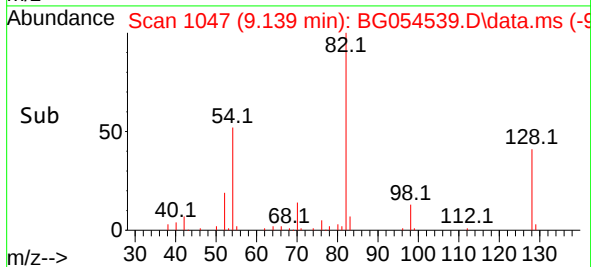
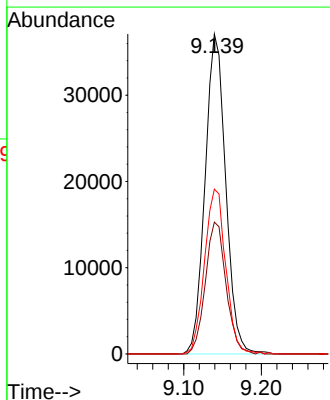
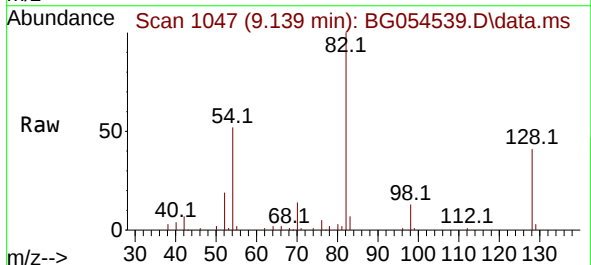
Instrument :
BNA_G
ClientSampleId :
RVE-167

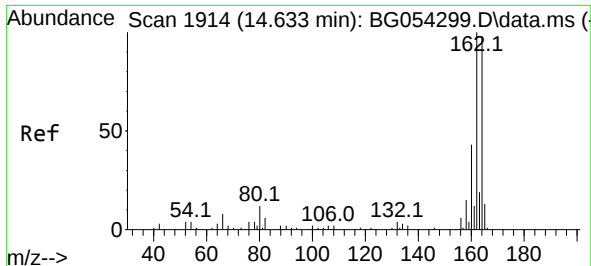
Tgt Ion:	136	Resp:	69753
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	7.3	7.4	11.2#
68	4.5	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 53.505 ng
RT: 9.139 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

Tgt Ion:	82	Resp:	68533
Ion Ratio	Lower	Upper	
82	100		
128	41.2	27.9	41.9
54	51.5	41.2	61.8

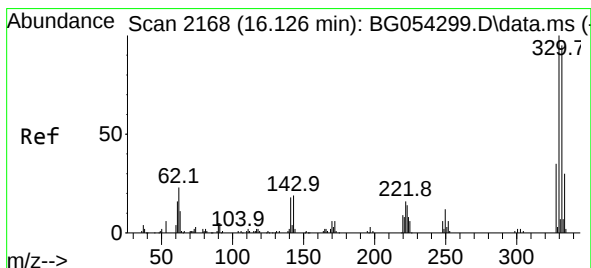
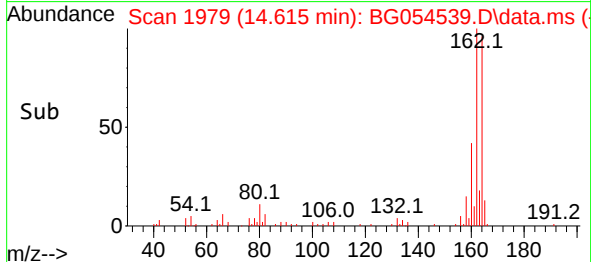
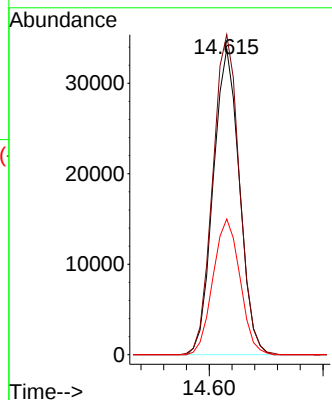
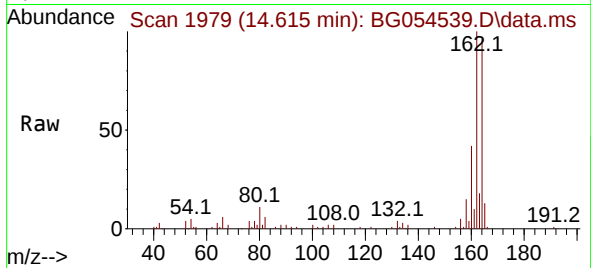




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

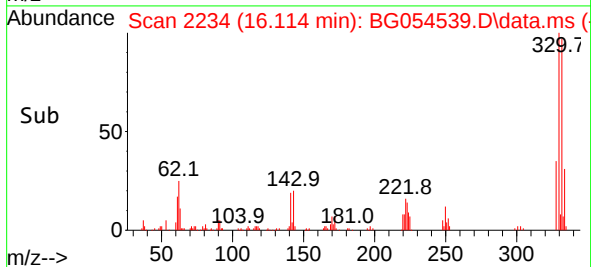
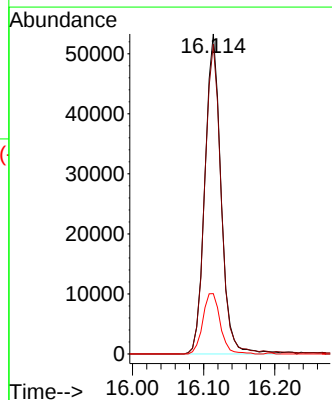
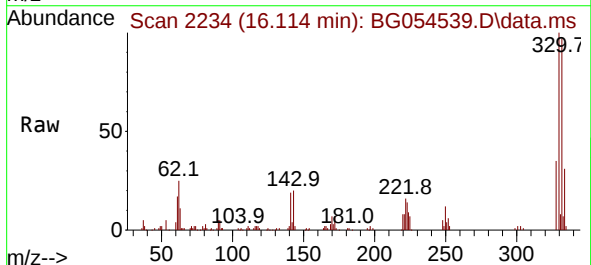
Instrument :
BNA_G
ClientSampleId :
RVE-167

Tgt Ion:164 Resp: 54114
Ion Ratio Lower Upper
164 100
162 104.6 82.3 123.5
160 44.4 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 74.060 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.001 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

Tgt Ion:330 Resp: 84146
Ion Ratio Lower Upper
330 100
332 97.9 76.0 114.0
141 20.4 27.1 40.7#

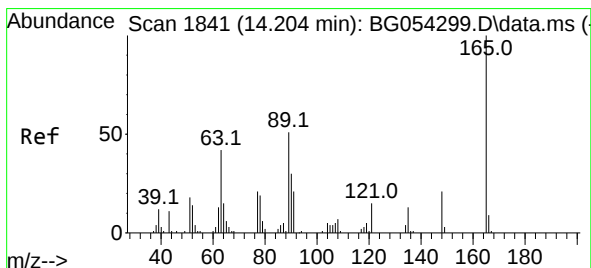
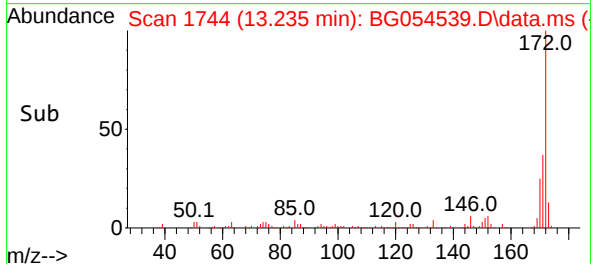
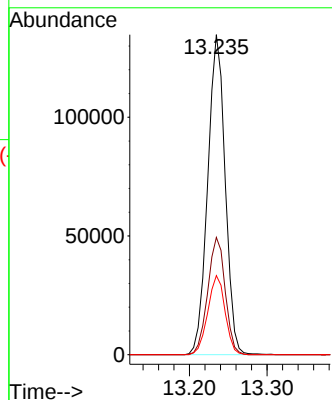
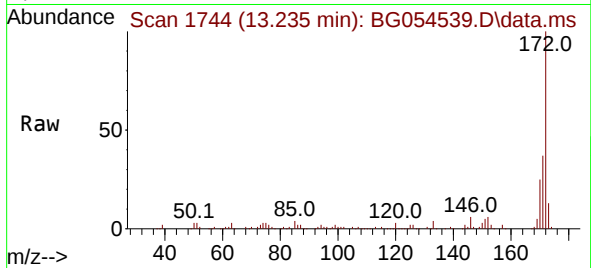




#45
2-Fluorobiphenyl
Concen: 54.882 ng
RT: 13.235 min Scan# 1744
Delta R.T. -0.012 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

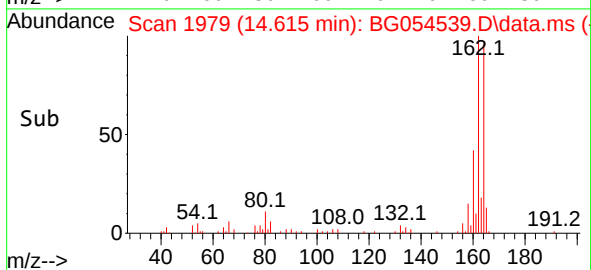
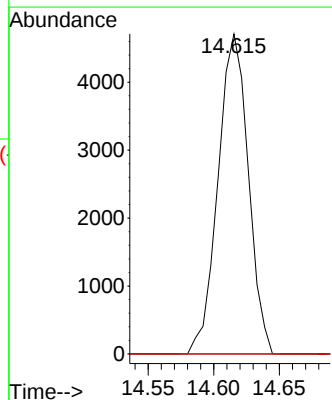
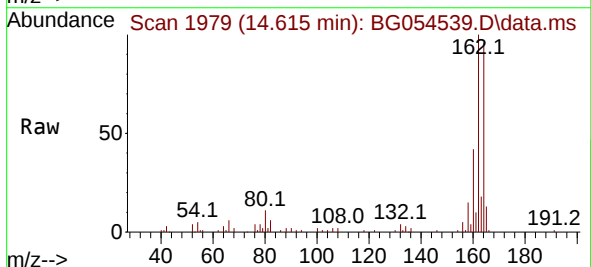
Instrument :
BNA_G
ClientSampleId :
RVE-167

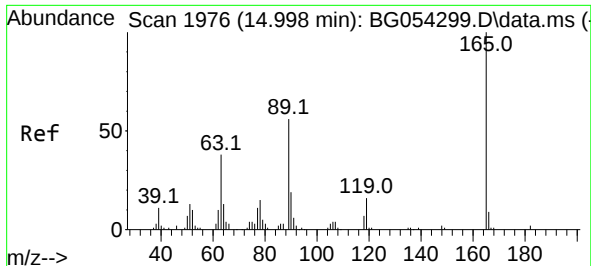
Tgt Ion:172 Resp: 210527
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.7 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.149 ng
RT: 14.615 min Scan# 1979
Delta R.T. 0.417 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

Tgt Ion:165 Resp: 7555
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: 5.684 ng

RT: 14.615 min Scan# 14

Delta R.T. -0.377 min

Lab File: BG054539.D

Acq: 5 Aug 2022 17:34

Instrument :

BNA_G

ClientSampleId :

RVE-167

Tgt Ion:165 Resp: 7555

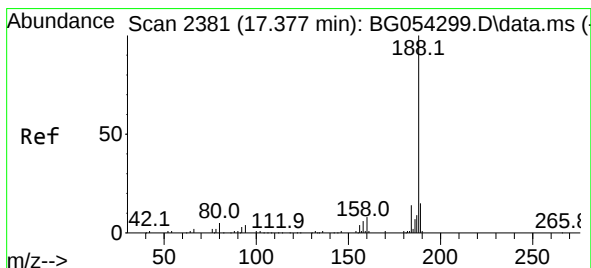
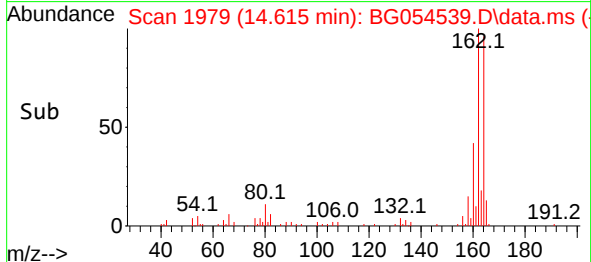
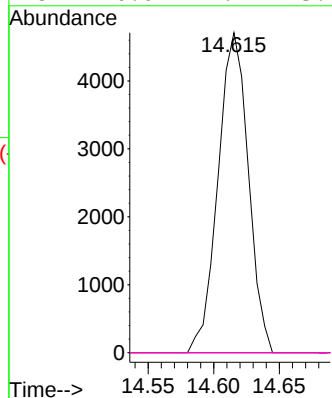
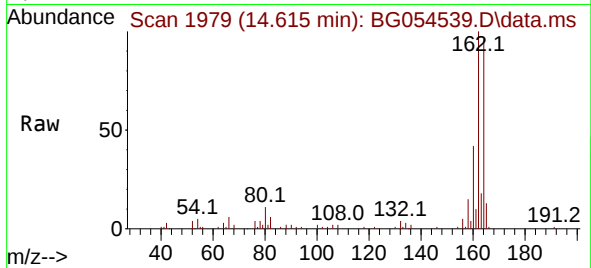
Ion Ratio Lower Upper

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. -0.006 min

Lab File: BG054539.D

Acq: 5 Aug 2022 17:34

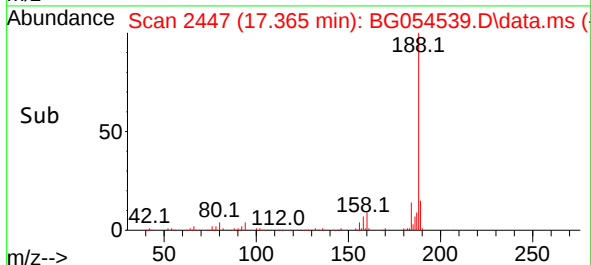
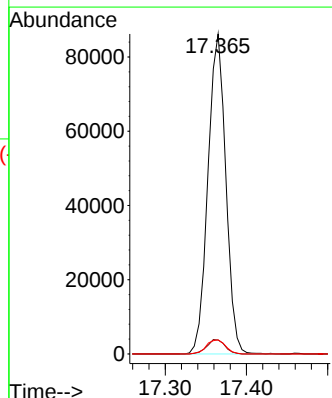
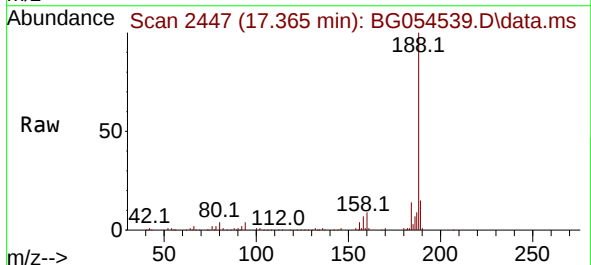
Tgt Ion:188 Resp: 131493

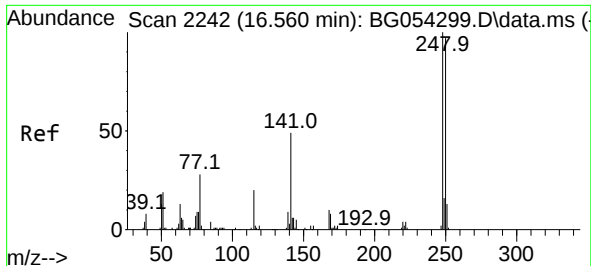
Ion Ratio Lower Upper

188 100

94 4.4 5.4 8.0#

80 4.4 6.8 10.2#

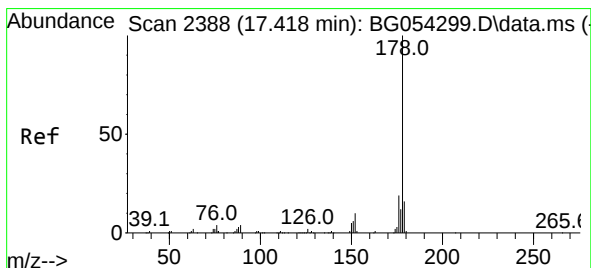
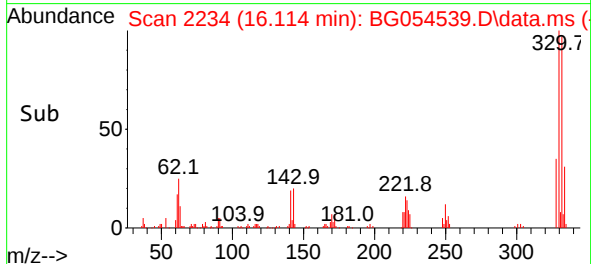
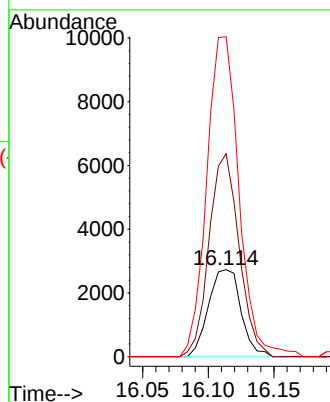
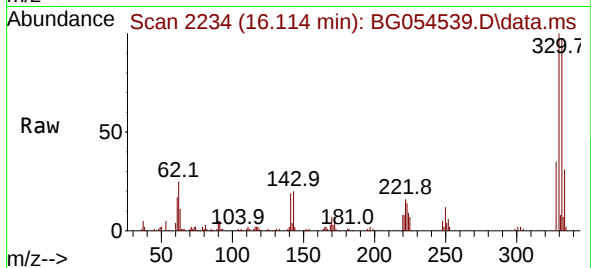




#67
4-Bromophenyl-phenylether
Concen: 2.537 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

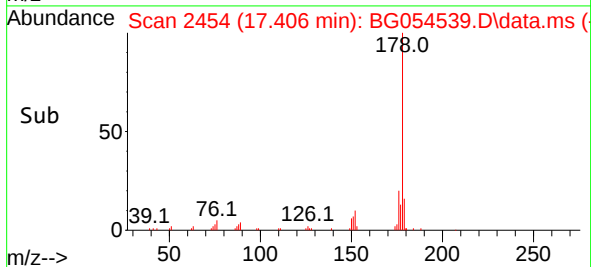
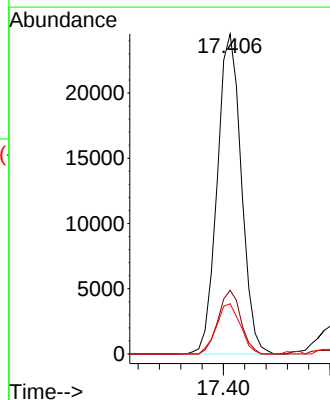
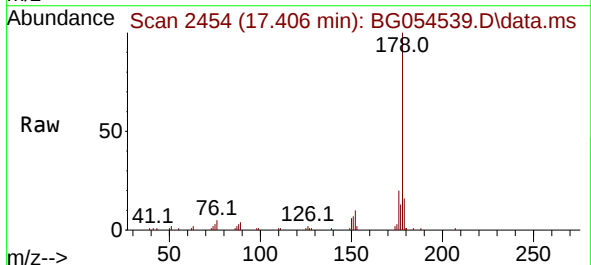
Instrument :
BNA_G
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RVE-167

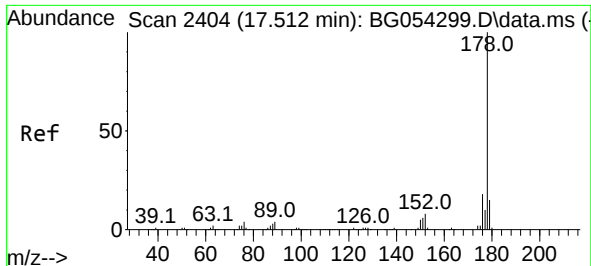
Tgt Ion:248 Resp: 4685
Ion Ratio Lower Upper
248 100
250 304.4 75.2 112.8#
141 367.7 50.0 75.0#



#71
Phenanthrene
Concen: 5.860 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

Tgt Ion:178 Resp: 38370
Ion Ratio Lower Upper
178 100
176 19.9 14.1 21.1
179 15.7 12.1 18.1

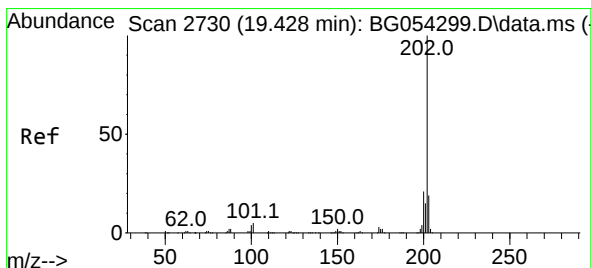
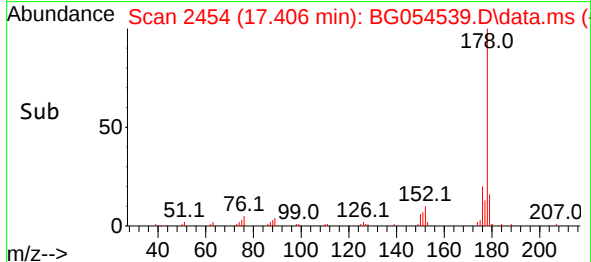
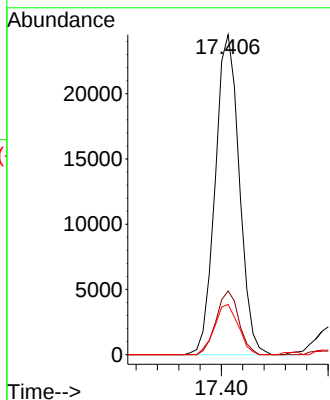
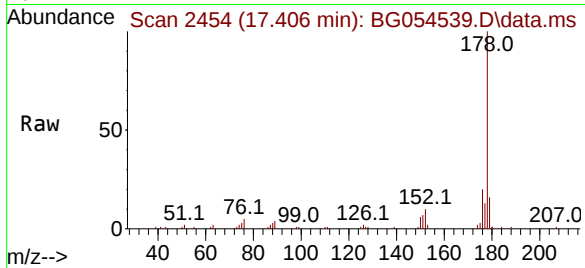




#72
 Anthracene
 Concen: 5.971 ng
 RT: 17.406 min Scan# 2404
 Delta R.T. -0.095 min
 Lab File: BG054539.D
 Acq: 5 Aug 2022 17:34

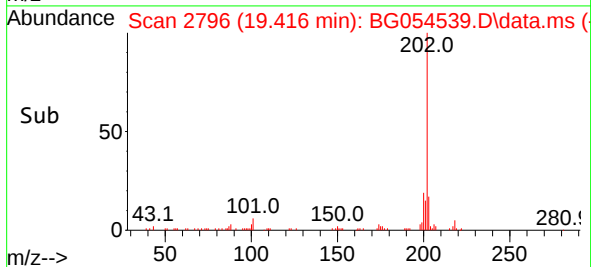
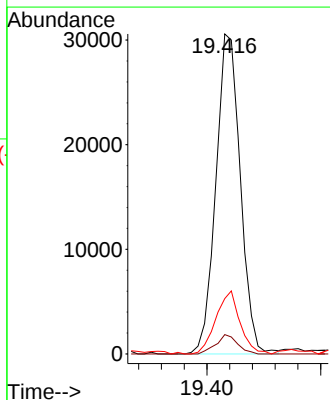
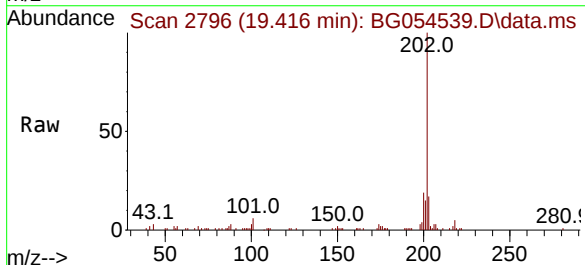
Instrument :
 BNA_G
 ClientSampleId :
 RVE-167

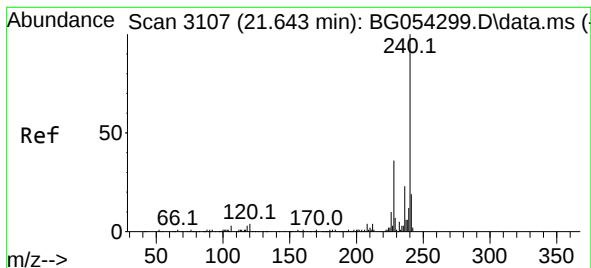
Tgt Ion:178 Resp: 38370
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.2 22.8
 179 15.7 13.0 19.4



#75
 Fluoranthene
 Concen: 5.118 ng
 RT: 19.416 min Scan# 2796
 Delta R.T. -0.006 min
 Lab File: BG054539.D
 Acq: 5 Aug 2022 17:34

Tgt Ion:202 Resp: 45683
 Ion Ratio Lower Upper
 202 100
 101 6.0 0.0 26.9
 203 17.3 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.631 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG054539.D

Acq: 5 Aug 2022 17:34

Instrument :

BNA_G

ClientSampleId :

RVE-167

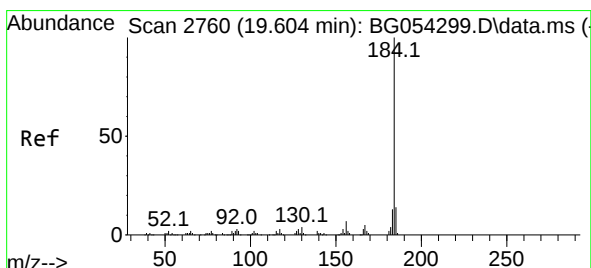
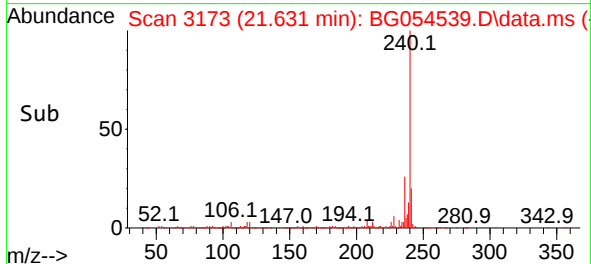
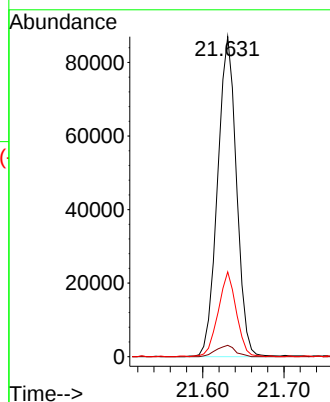
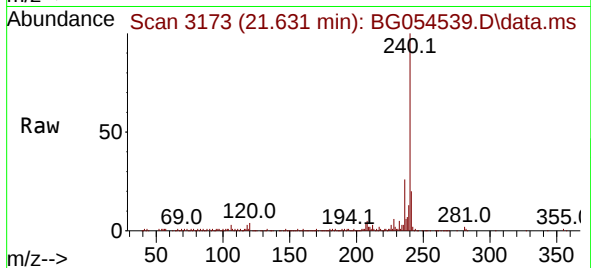
Tgt Ion:240 Resp: 141102

Ion Ratio Lower Upper

240 100

120 3.5 4.6 7.0#

236 26.5 20.2 30.4



#77

Benzidine

Concen: 2.058 ng

RT: 19.968 min Scan# 2890

Delta R.T. 0.370 min

Lab File: BG054539.D

Acq: 5 Aug 2022 17:34

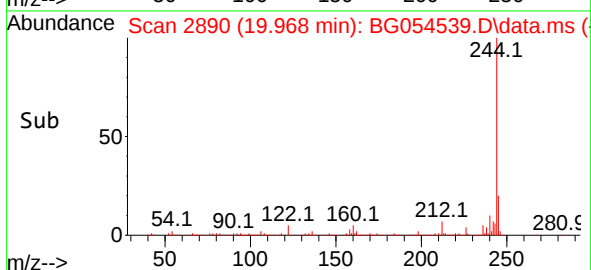
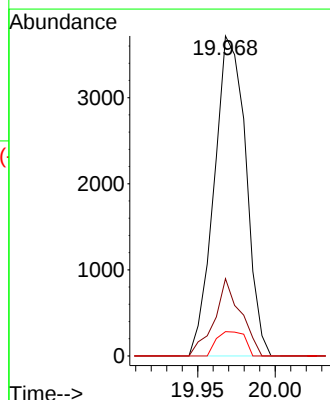
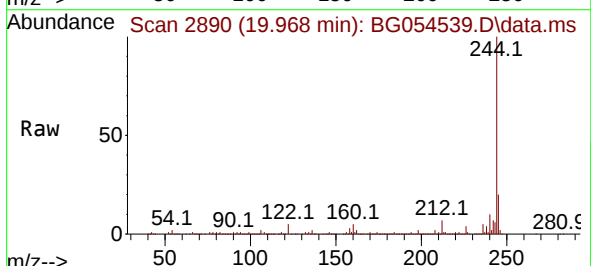
Tgt Ion:184 Resp: 5258

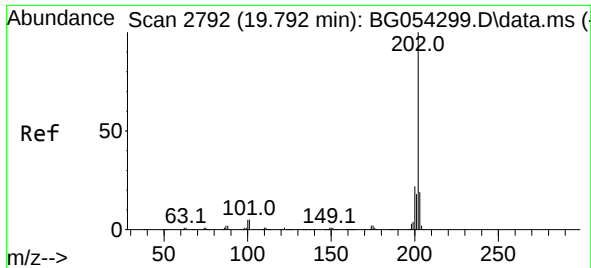
Ion Ratio Lower Upper

184 100

185 24.2 11.8 17.6#

183 7.6 8.9 13.3#

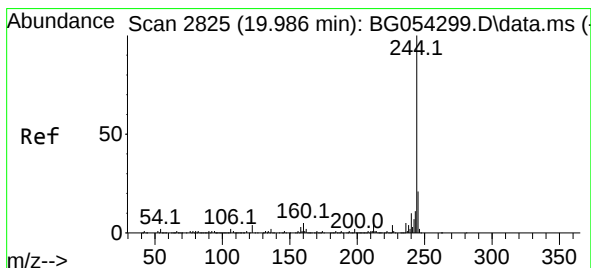
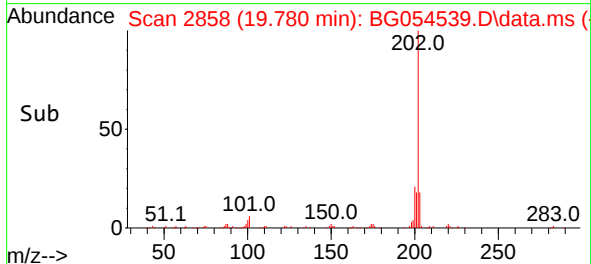
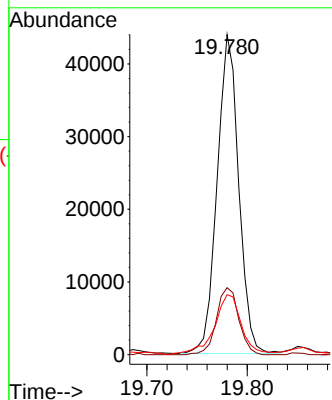
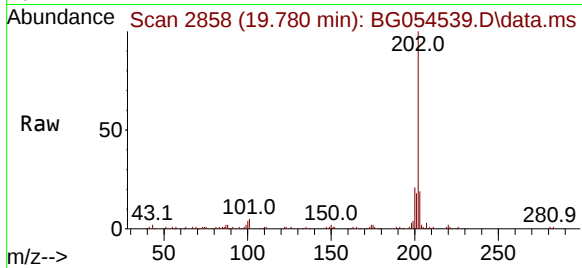




#78
 Pyrene
 Concen: 8.088 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054539.D
 Acq: 5 Aug 2022 17:34

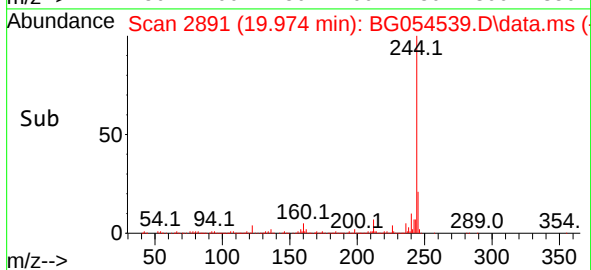
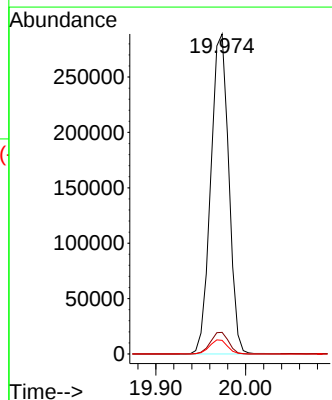
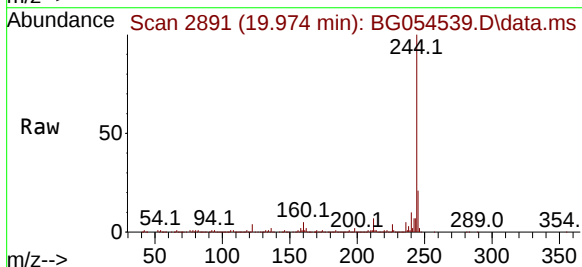
Instrument :
 BNA_G
 ClientSampleId :
 RVE-167

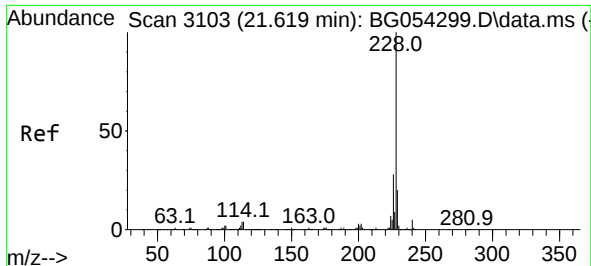
Tgt Ion:202 Resp: 65485
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 24.8
 203 18.8 14.6 21.8



#79
 Terphenyl-d14
 Concen: 56.453 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. -0.006 min
 Lab File: BG054539.D
 Acq: 5 Aug 2022 17:34

Tgt Ion:244 Resp: 401535
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.2 5.0 7.4#

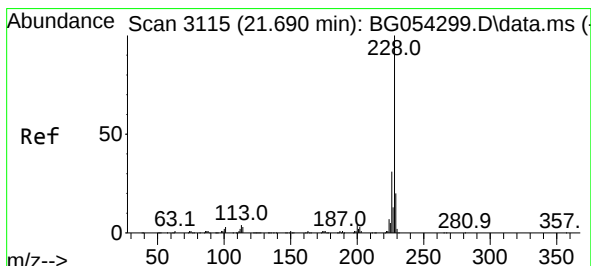
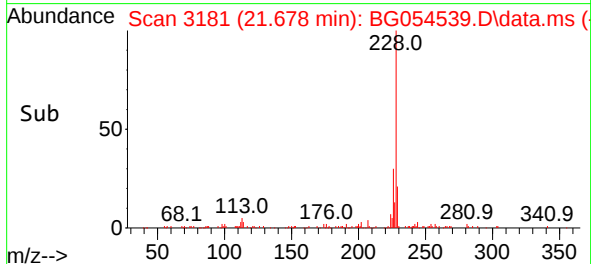
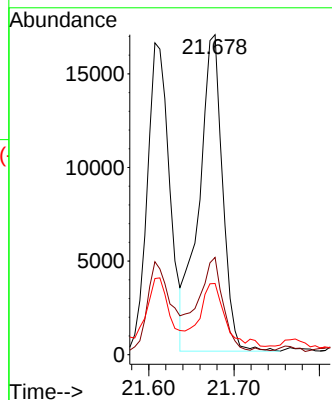
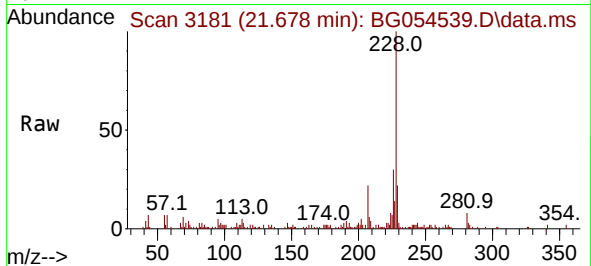




#81
Benzo(a)anthracene
Concen: 3.644 ng
RT: 21.678 min Scan# 3103
Delta R.T. 0.064 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

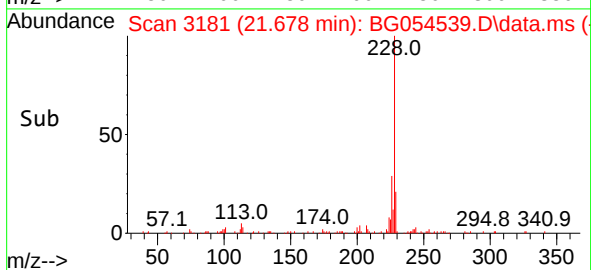
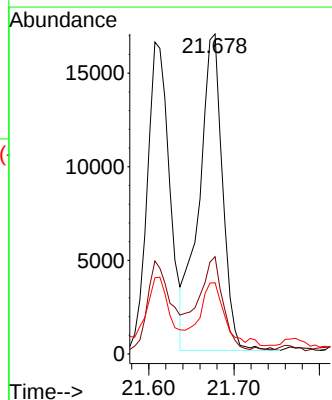
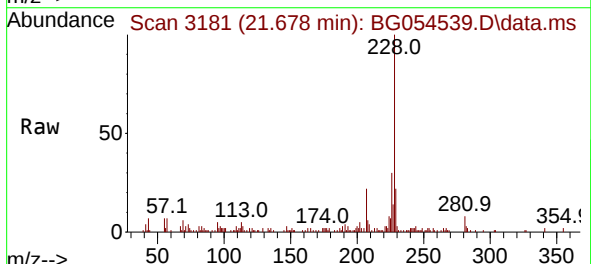
Instrument :
BNA_G
ClientSampleId :
RVE-167

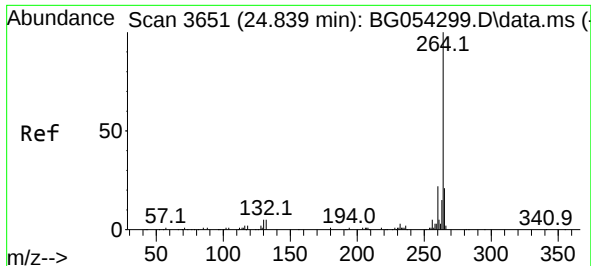
Tgt Ion:228 Resp: 32637
Ion Ratio Lower Upper
228 100
226 30.4 21.6 32.4
229 22.3 16.2 24.2



#83
Chrysene
Concen: 3.857 ng
RT: 21.678 min Scan# 3181
Delta R.T. -0.006 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

Tgt Ion:228 Resp: 32637
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.2
229 22.3 15.5 23.3

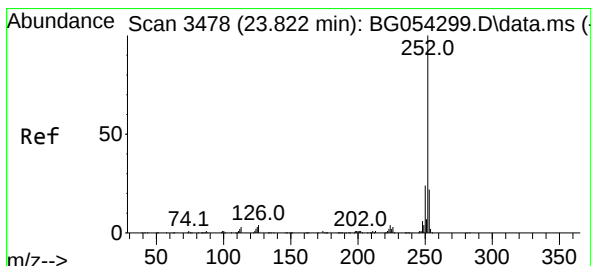
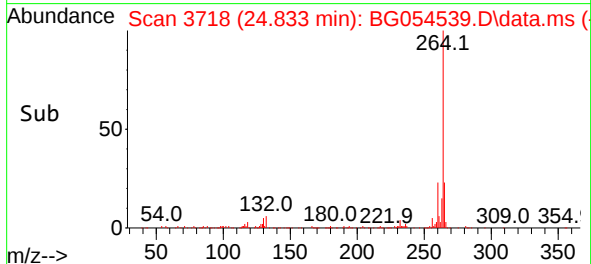
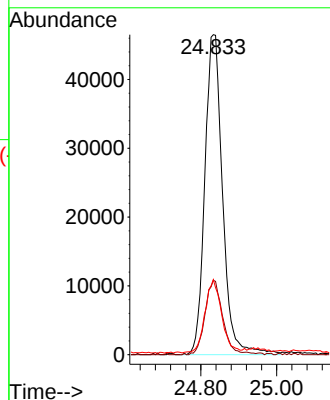
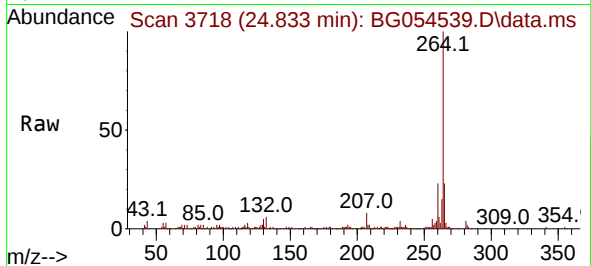




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.833 min Scan# 31
 Delta R.T. -0.001 min
 Lab File: BG054539.D
 Acq: 5 Aug 2022 17:34

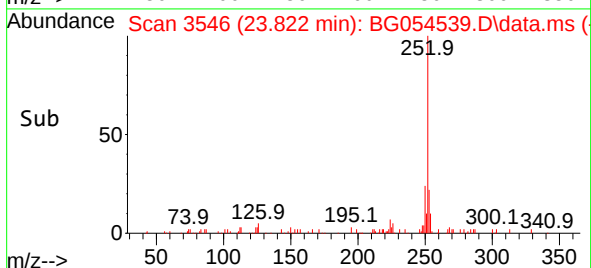
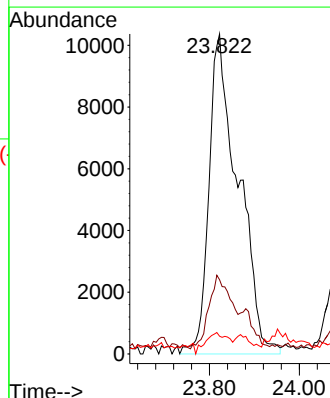
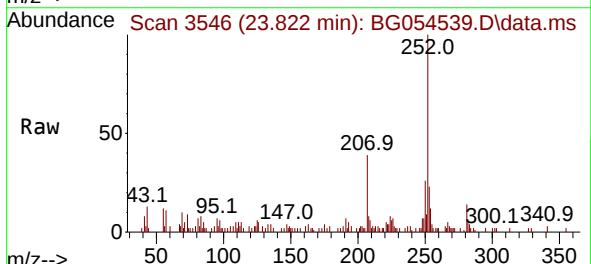
Instrument :
 BNA_G
 ClientSampleId :
 RVE-167

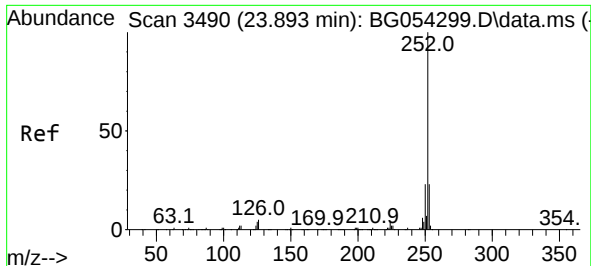
Tgt Ion:264 Resp: 151111
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.0 28.6
 265 23.4 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 5.237 ng
 RT: 23.822 min Scan# 3546
 Delta R.T. -0.001 min
 Lab File: BG054539.D
 Acq: 5 Aug 2022 17:34

Tgt Ion:252 Resp: 46800
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.0 27.0
 125 5.5 4.6 6.8

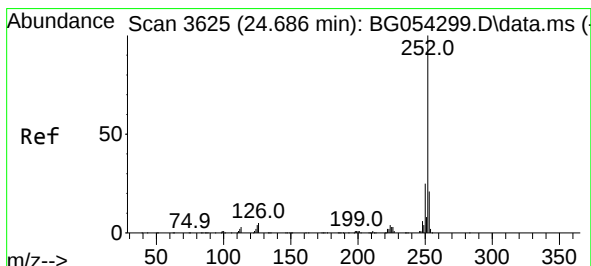
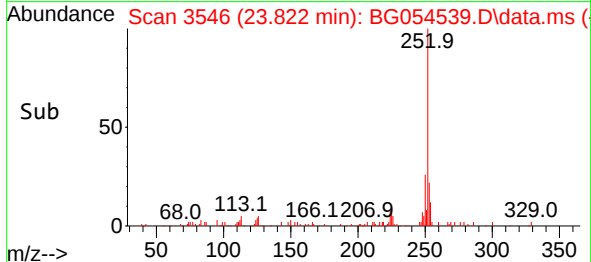
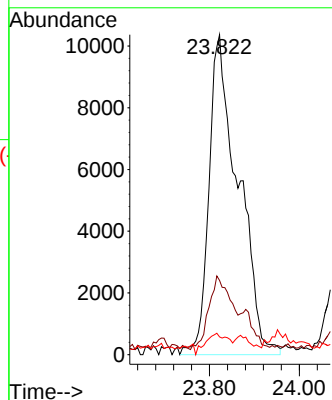
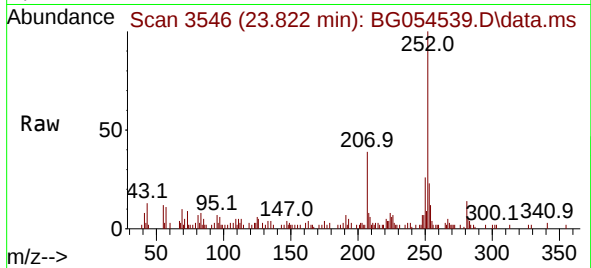




#89
Benzo(k)fluoranthene
Concen: 5.262 ng
RT: 23.822 min Scan# 31
Delta R.T. -0.065 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

Instrument :
BNA_G
ClientSampleId :
RVE-167

Tgt Ion:252 Resp: 46800
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 5.5 4.8 7.2



#90
Benzo(a)pyrene
Concen: 3.573 ng
RT: 24.686 min Scan# 3693
Delta R.T. -0.001 min
Lab File: BG054539.D
Acq: 5 Aug 2022 17:34

Tgt Ion:252 Resp: 27265
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 6.1 4.3 6.5

