

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
 Data File : BG054540.D
 Acq On : 5 Aug 2022 18:18
 Operator : CG/JU
 Sample : N3960-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-159

Quant Time: Aug 06 05:40:16 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)

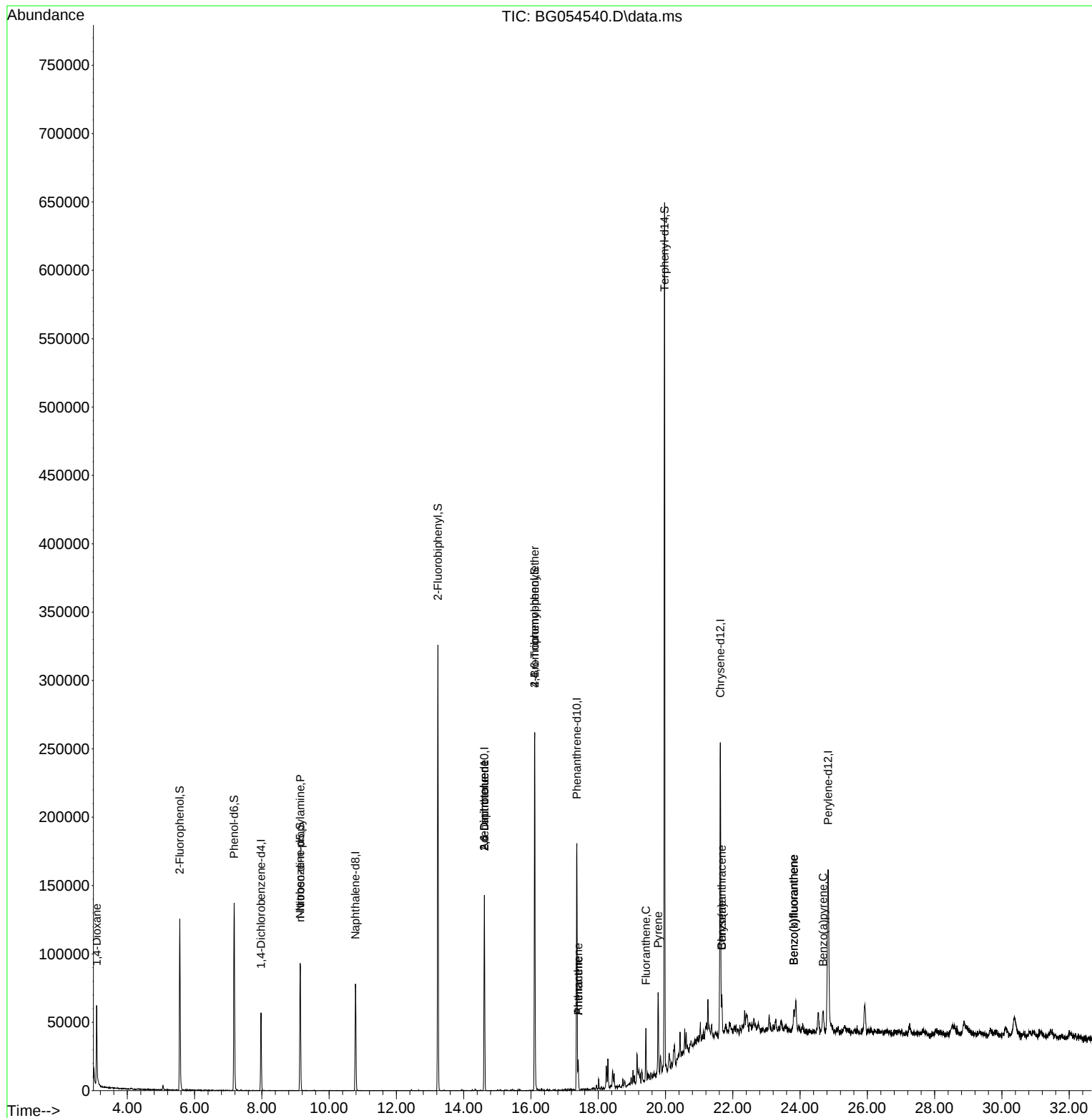
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	17655	20.000	ng	-0.01
21) Naphthalene-d8	10.784	136	72170	20.000	ng	#-0.01
39) Acenaphthene-d10	14.615	164	55726	20.000	ng	0.00
64) Phenanthrene-d10	17.364	188	133426	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	143974	20.000	ng	# 0.00
86) Perylene-d12	24.832	264	153898	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	57254	67.709	ng	0.00
7) Phenol-d6	7.176	99	82047	70.811	ng	0.00
23) Nitrobenzene-d5	9.139	82	58982	44.506	ng	-0.01
42) 2,4,6-Tribromophenol	16.113	330	73006	62.396	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	188933	47.828	ng	-0.01
79) Terphenyl-d14	19.973	244	373724	51.495	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.093	88	719	2.137	ng	# 1
19) n-Nitroso-di-n-propyla...	9.145	70	8600	11.115	ng	# 76
51) 2,6-Dinitrotoluene	14.615	165	7450	7.803	ng	# 16
57) 2,4-Dinitrotoluene	14.615	165	7450	5.443	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	4278	2.283	ng	# 1
71) Phenanthrene	17.405	178	16540	2.489	ng	97
72) Anthracene	17.405	178	16540	2.537	ng	100
75) Fluoranthene	19.421	202	24668	2.723	ng	96
78) Pyrene	19.779	202	42961	5.200	ng	98
81) Benzo(a)anthracene	21.677	228	21902	2.396	ng	96
83) Chrysene	21.677	228	21902	2.537	ng	98
88) Benzo(b)fluoranthene	23.816	252	22956	2.522	ng	95
89) Benzo(k)fluoranthene	23.816	252	22956	2.534	ng	96
90) Benzo(a)pyrene	24.685	252	17875	2.300	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
Data File : BG054540.D
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Sample : N3960-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
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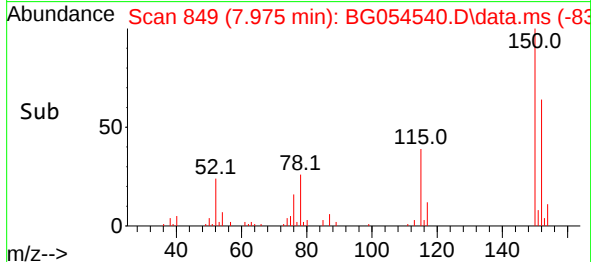
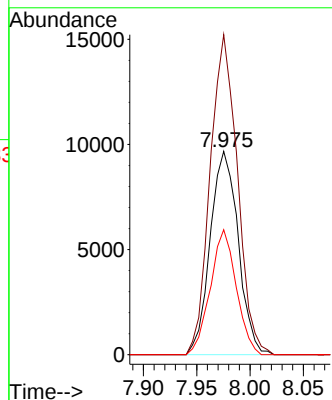
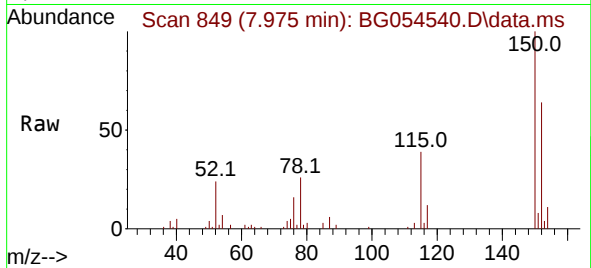




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.975 min Scan# 84
 Delta R.T. -0.013 min
 Lab File: BG054540.D
 Acq: 5 Aug 2022 18:18

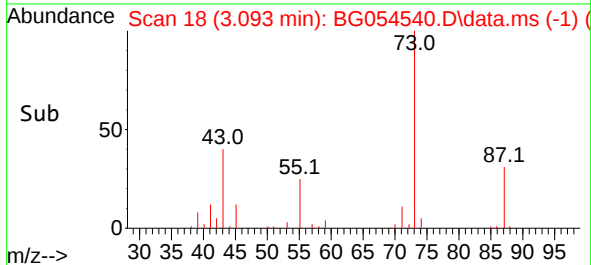
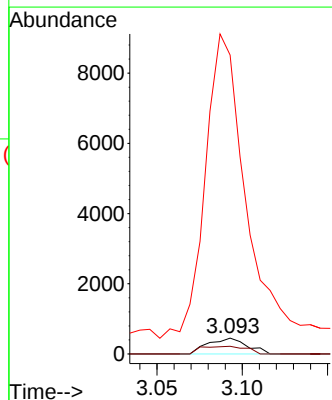
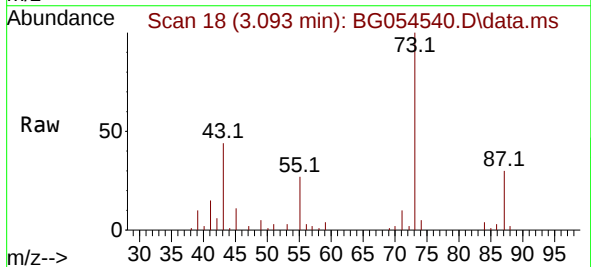
Instrument :
 BNA_G
 ClientSampleId :
 RVE-159

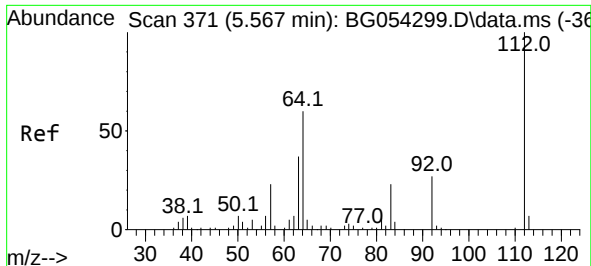
Tgt Ion:152 Resp: 17655
 Ion Ratio Lower Upper
 152 100
 150 157.4 131.6 197.4
 115 61.5 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.137 ng
 RT: 3.093 min Scan# 18
 Delta R.T. -0.324 min
 Lab File: BG054540.D
 Acq: 5 Aug 2022 18:18

Tgt Ion: 88 Resp: 719
 Ion Ratio Lower Upper
 88 100
 58 56.2 59.2 88.8#
 43 2106.4 24.3 36.5#

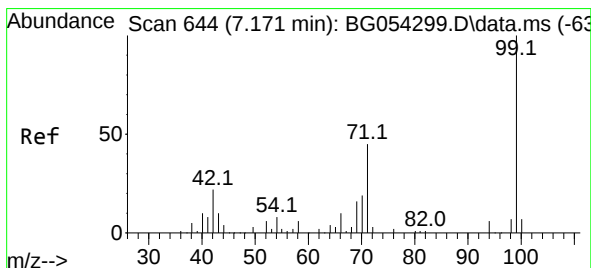
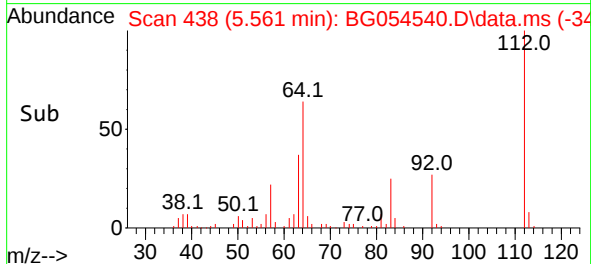
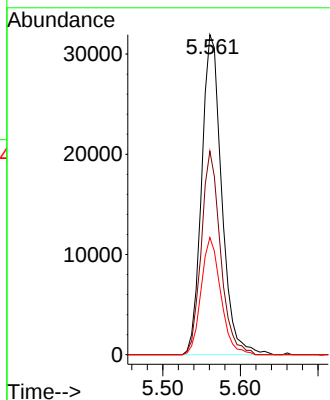
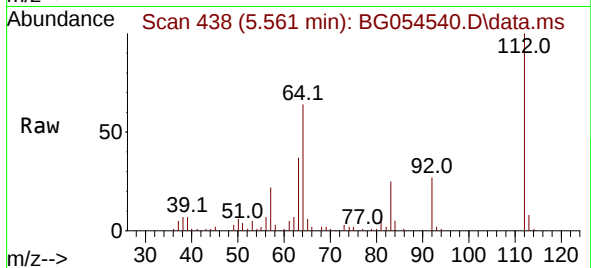




#5
2-Fluorophenol
Concen: 67.709 ng
RT: 5.561 min Scan# 41
Delta R.T. -0.001 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

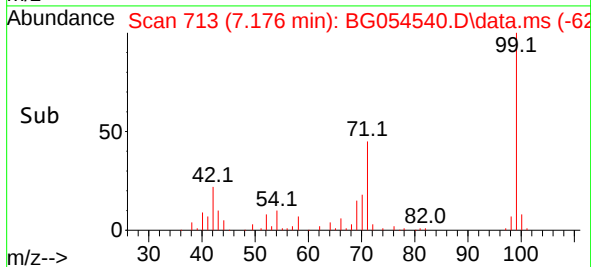
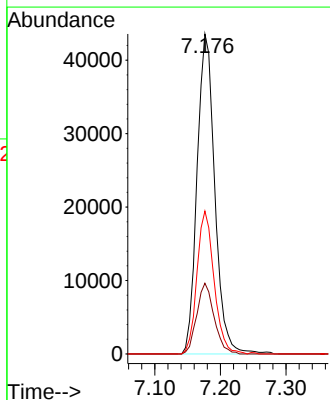
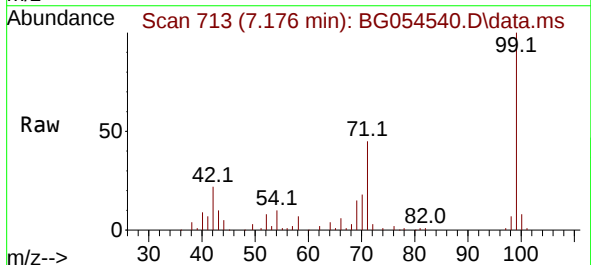
Instrument :
BNA_G
ClientSampleId :
RVE-159

Tgt Ion:112 Resp: 57254
Ion Ratio Lower Upper
112 100
64 63.6 55.1 82.7
63 36.6 30.4 45.6



#7
Phenol-d6
Concen: 70.811 ng
RT: 7.176 min Scan# 713
Delta R.T. 0.005 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

Tgt Ion: 99 Resp: 82047
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 44.7 33.8 50.8

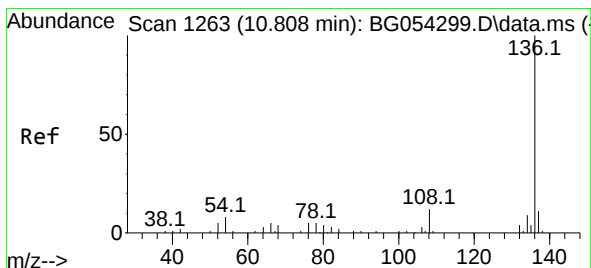
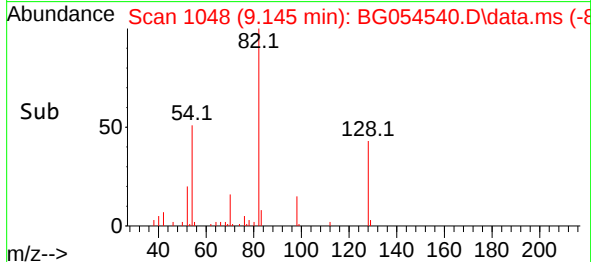
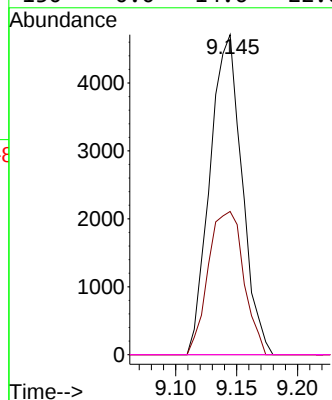
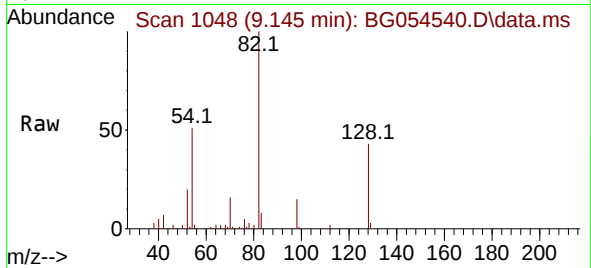




#19
n-Nitroso-di-n-propylamine
Concen: 11.115 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.351 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

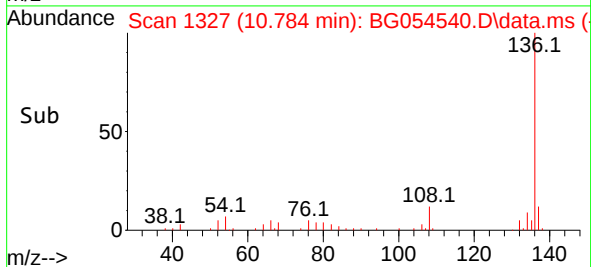
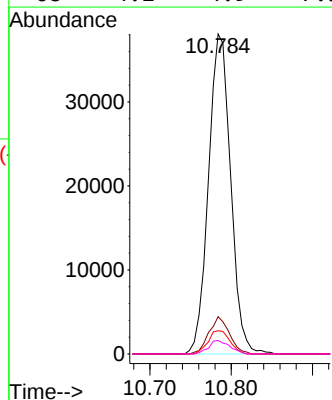
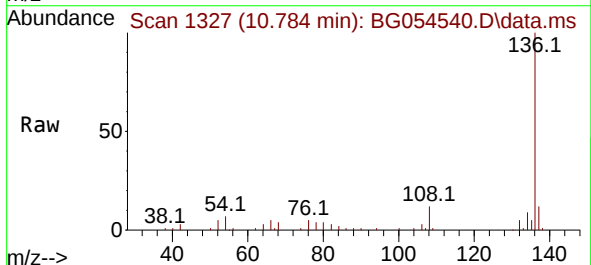
Instrument :
BNA_G
ClientSampleId :
RVE-159

Tgt Ion:	70	Resp:	8600
Ion	Ratio	Lower	Upper
70	100		
42	44.8	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: 10.784 min Scan# 1327
Delta R.T. -0.013 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

Tgt Ion:	136	Resp:	72170
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	7.3	7.4	11.2#
68	4.2	4.9	7.3#

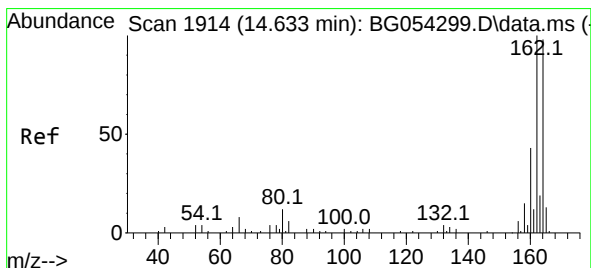
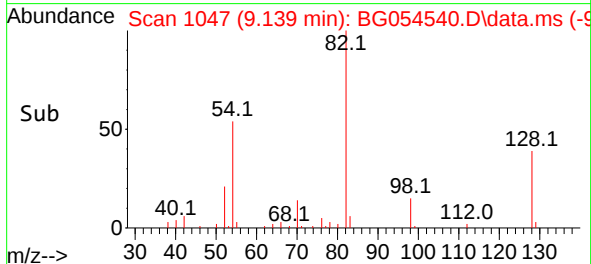
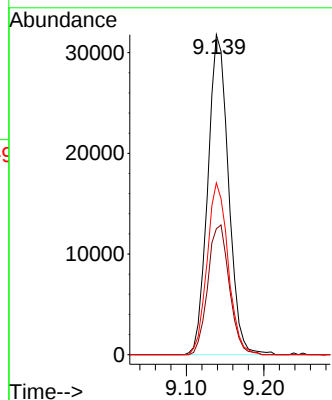
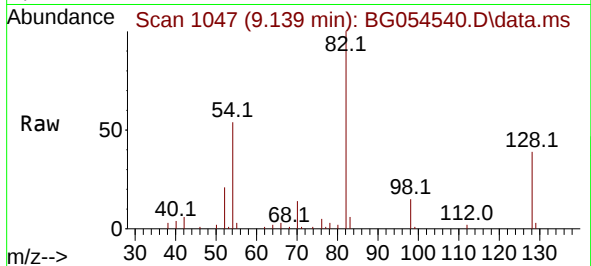




#23
Nitrobenzene-d5
Concen: 44.506 ng
RT: 9.139 min Scan# 1047
Delta R.T. -0.013 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

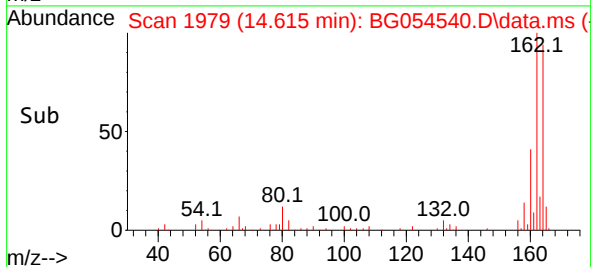
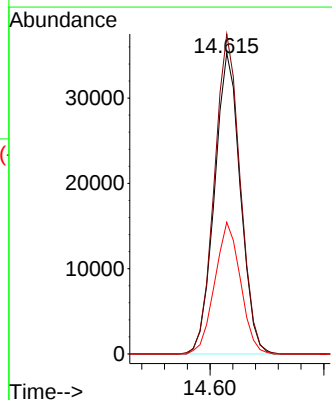
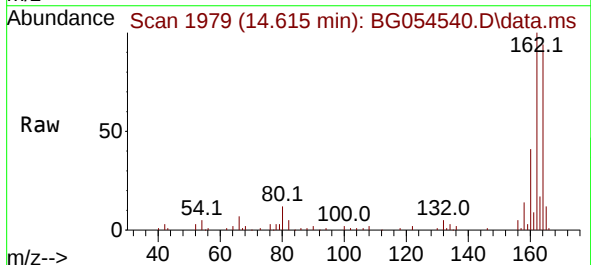
Instrument :
BNA_G
ClientSampleId :
RVE-159

Tgt Ion: 82 Resp: 58982
Ion Ratio Lower Upper
82 100
128 39.3 27.9 41.9
54 53.7 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.007 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

Tgt Ion:164 Resp: 55726
Ion Ratio Lower Upper
164 100
162 106.3 82.3 123.5
160 43.8 34.2 51.2

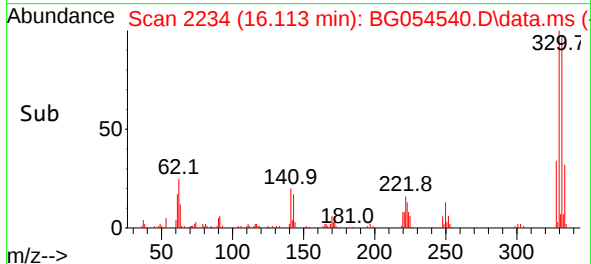
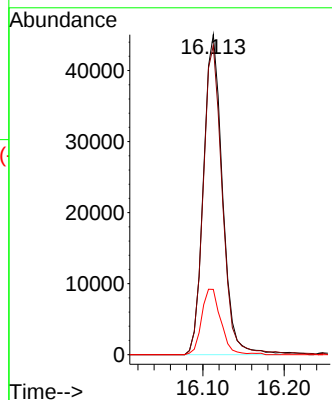
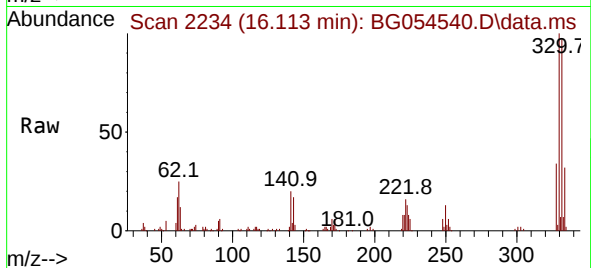




#42
2,4,6-Tribromophenol
Concen: 62.396 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.001 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

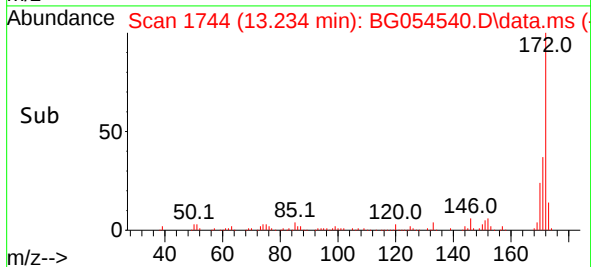
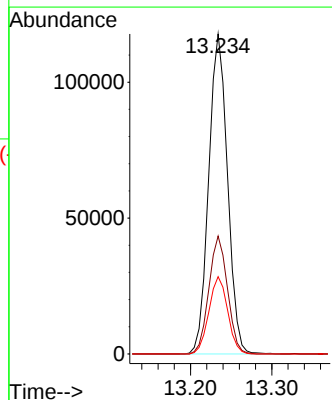
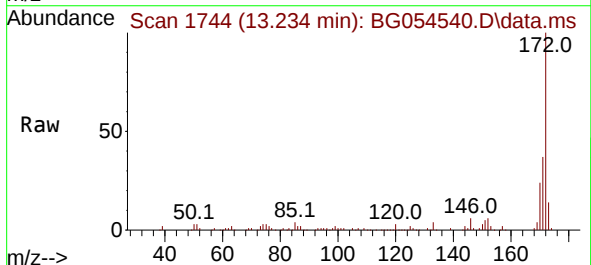
Instrument :
BNA_G
ClientSampleId :
RVE-159

Tgt Ion:330 Resp: 73006
Ion Ratio Lower Upper
330 100
332 97.0 76.0 114.0
141 20.5 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 47.828 ng
RT: 13.234 min Scan# 1744
Delta R.T. -0.013 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

Tgt Ion:172 Resp: 188933
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.2 18.9 28.3

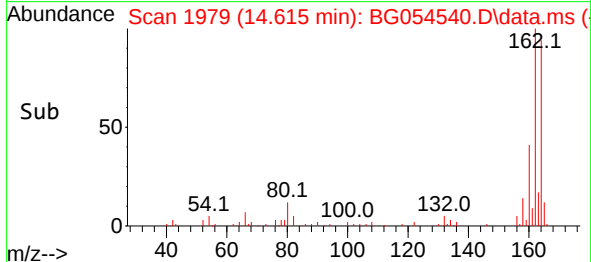
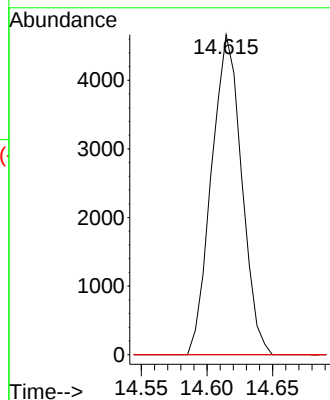
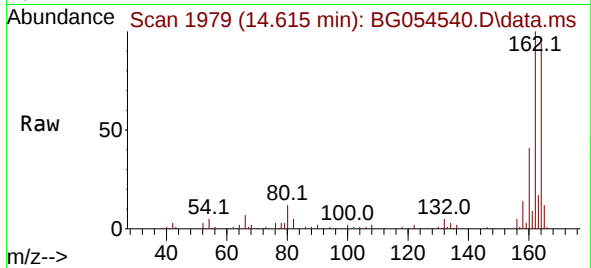




#51
2,6-Dinitrotoluene
Concen: 7.803 ng
RT: 14.615 min Scan# 1979
Delta R.T. 0.416 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

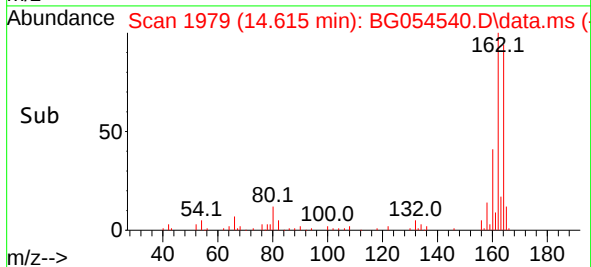
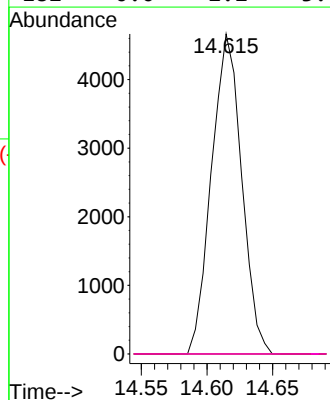
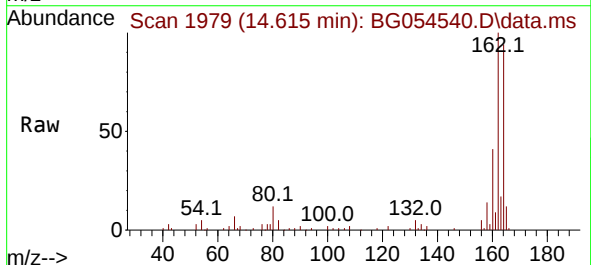
Instrument :
BNA_G
ClientSampleId :
RVE-159

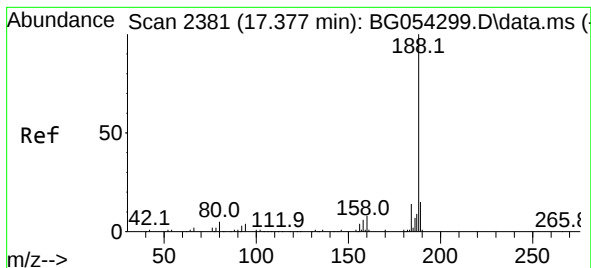
Tgt Ion:165 Resp: 7450
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.443 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.377 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

Tgt Ion:165 Resp: 7450
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: 17.364 min Scan# 2447

Delta R.T. -0.007 min

Lab File: BG054540.D

Acq: 5 Aug 2022 18:18

Instrument :

BNA_G

ClientSampleId :

RVE-159

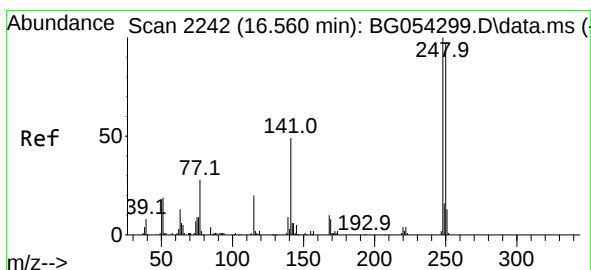
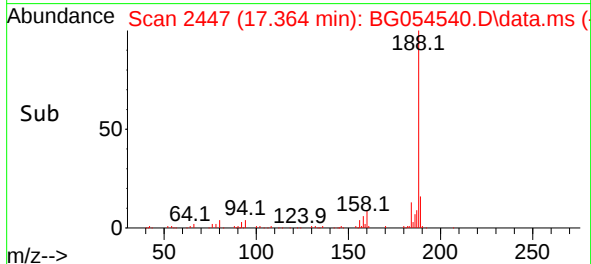
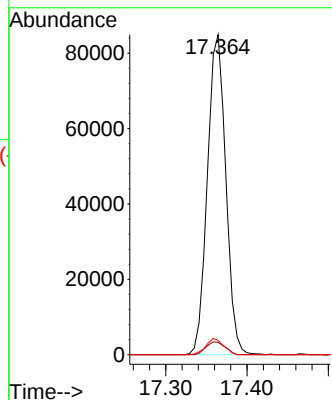
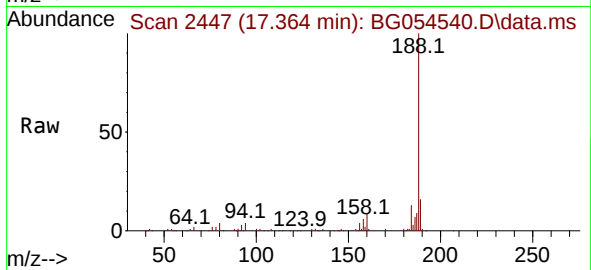
Tgt Ion:188 Resp: 133426

Ion Ratio Lower Upper

188 100

94 3.9 5.4 8.0#

80 4.5 6.8 10.2#



#67

4-Bromophenyl-phenylether

Concen: 2.283 ng

RT: 16.113 min Scan# 2234

Delta R.T. -0.442 min

Lab File: BG054540.D

Acq: 5 Aug 2022 18:18

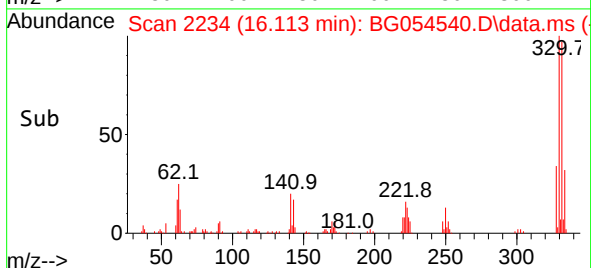
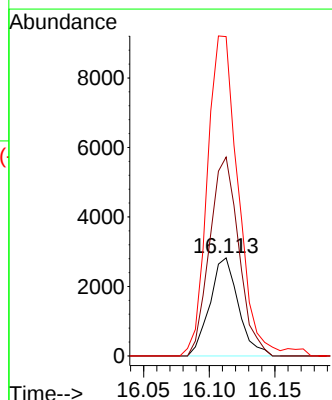
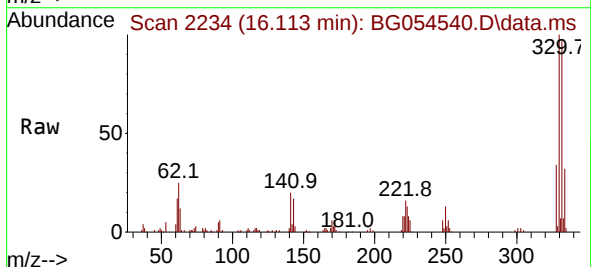
Tgt Ion:248 Resp: 4278

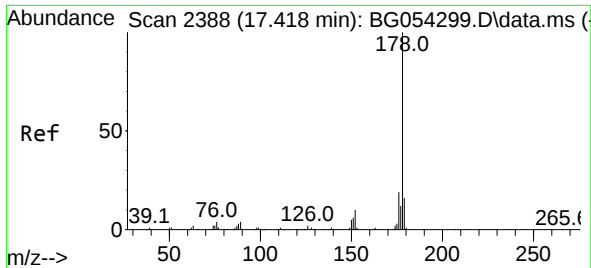
Ion Ratio Lower Upper

248 100

250 199.8 75.2 112.8#

141 251.4 50.0 75.0#

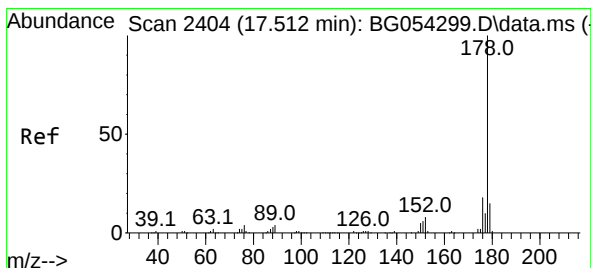
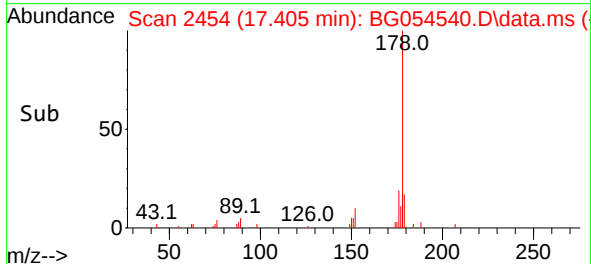
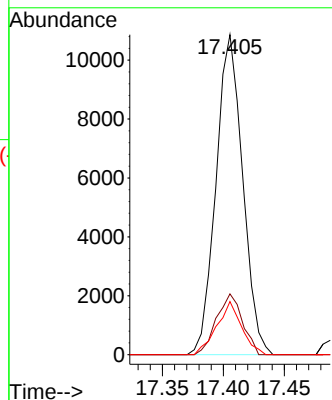
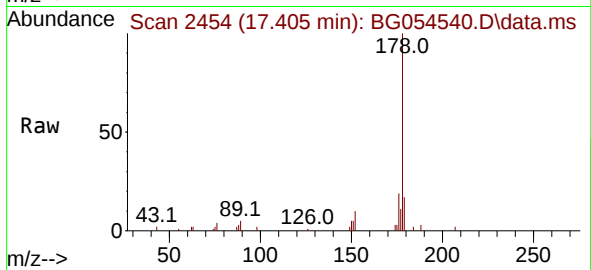




#71
Phenanthrene
Concen: 2.489 ng
RT: 17.405 min Scan# 2454
Delta R.T. -0.007 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

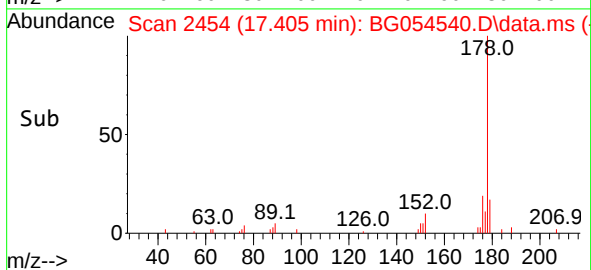
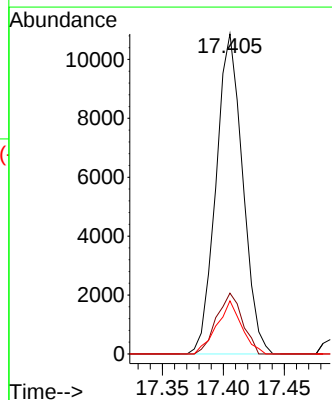
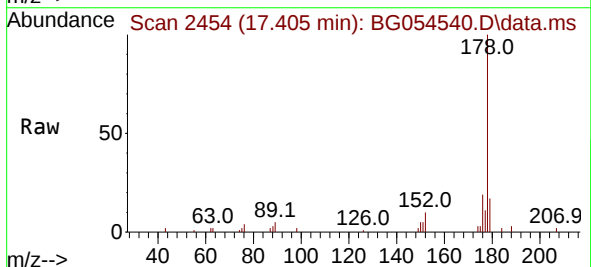
Instrument :
BNA_G
ClientSampleId :
RVE-159

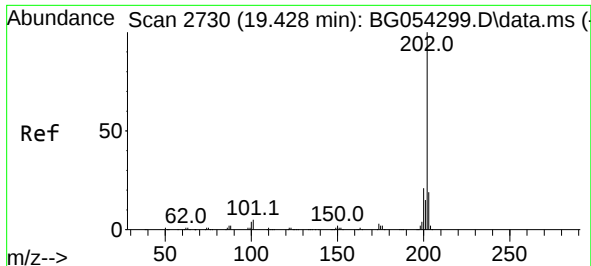
Tgt Ion:178 Resp: 16540
Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 16.6 12.1 18.1



#72
Anthracene
Concen: 2.537 ng
RT: 17.405 min Scan# 2454
Delta R.T. -0.095 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

Tgt Ion:178 Resp: 16540
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 16.6 13.0 19.4

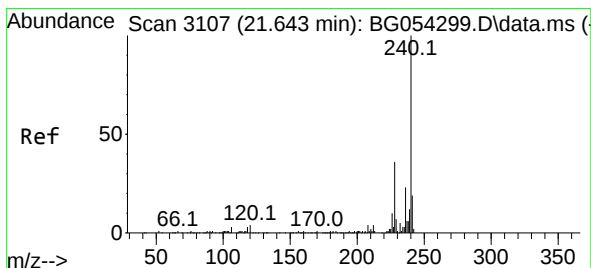
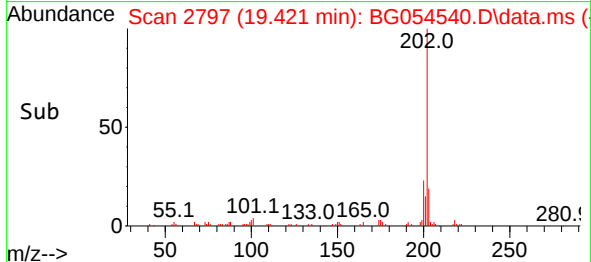
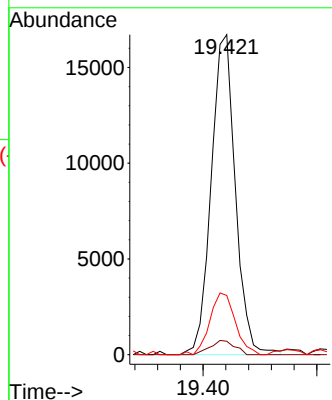
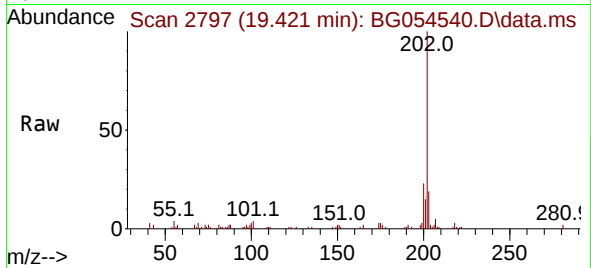




#75
Fluoranthene
Concen: 2.723 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

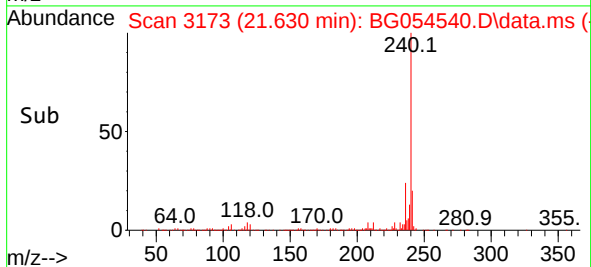
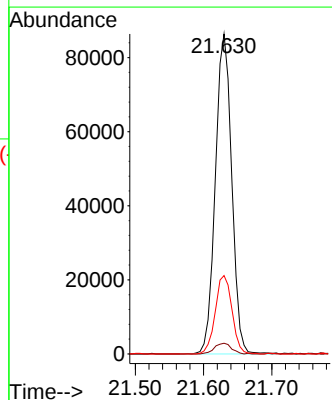
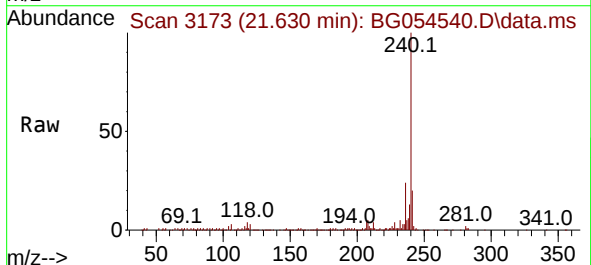
Instrument :
BNA_G
ClientSampleId :
RVE-159

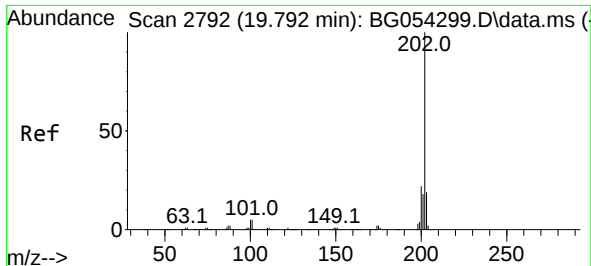
Tgt Ion:202 Resp: 24668
Ion Ratio Lower Upper
202 100
101 4.2 0.0 26.9
203 18.5 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3173
Delta R.T. -0.007 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

Tgt Ion:240 Resp: 143974
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0#
236 24.5 20.2 30.4

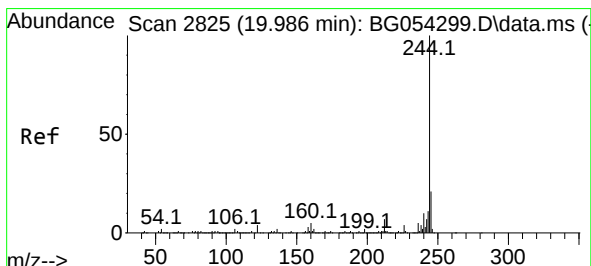
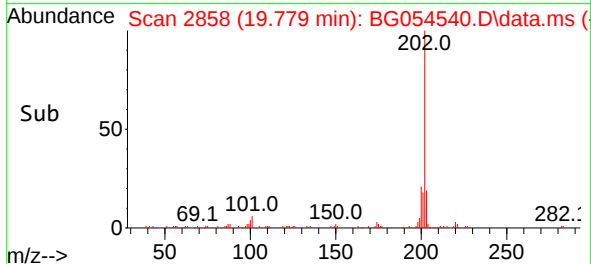
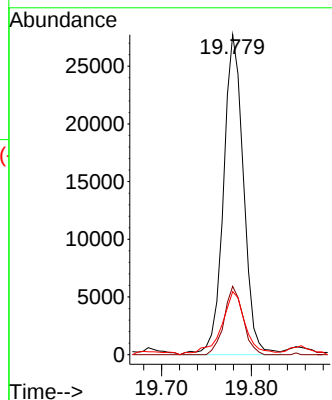
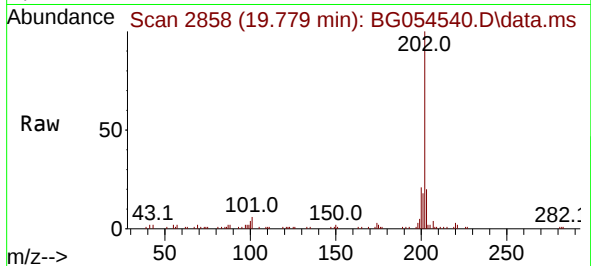




#78
 Pyrene
 Concen: 5.200 ng
 RT: 19.779 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG054540.D
 Acq: 5 Aug 2022 18:18

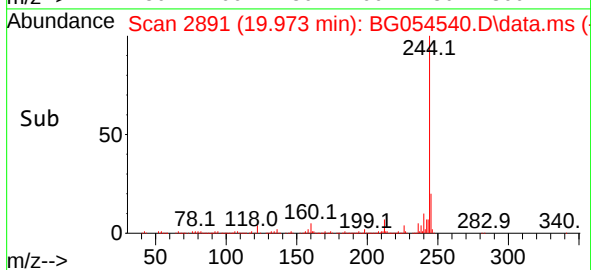
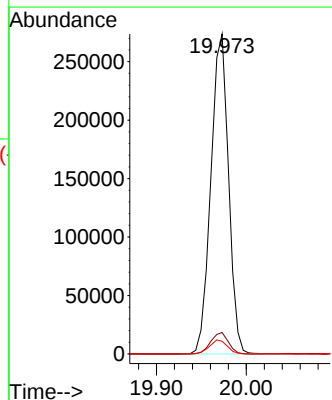
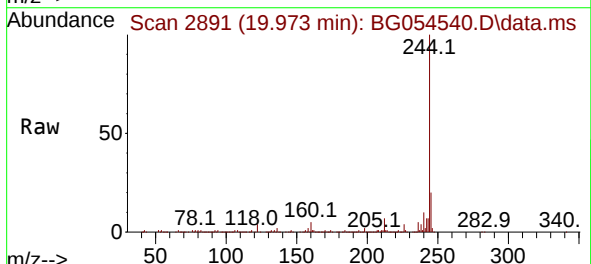
Instrument :
 BNA_G
 ClientSampleId :
 RVE-159

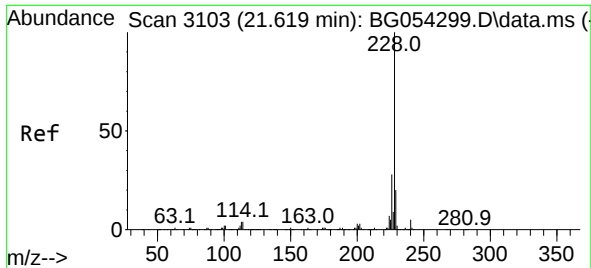
Tgt Ion:202 Resp: 42961
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.6 24.8
 203 19.7 14.6 21.8



#79
 Terphenyl-d14
 Concen: 51.495 ng
 RT: 19.973 min Scan# 2891
 Delta R.T. -0.007 min
 Lab File: BG054540.D
 Acq: 5 Aug 2022 18:18

Tgt Ion:244 Resp: 373724
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 4.0 5.0 7.4#

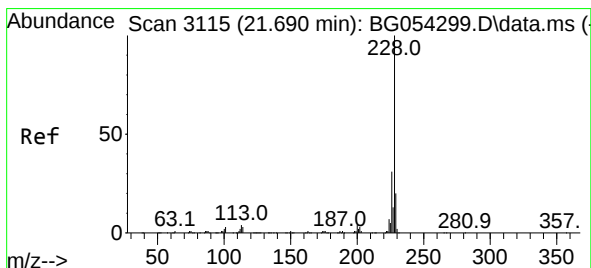
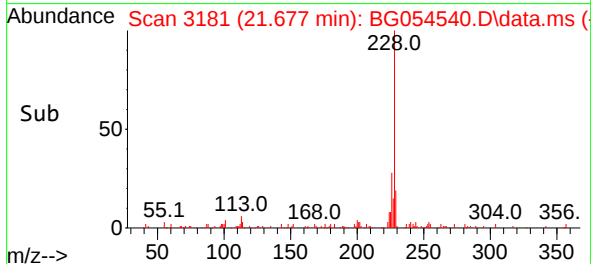
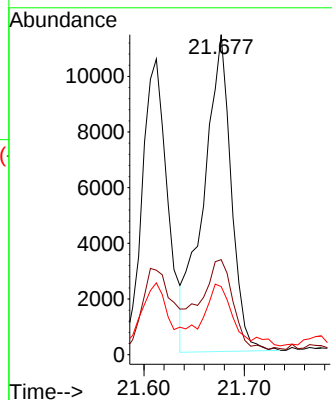
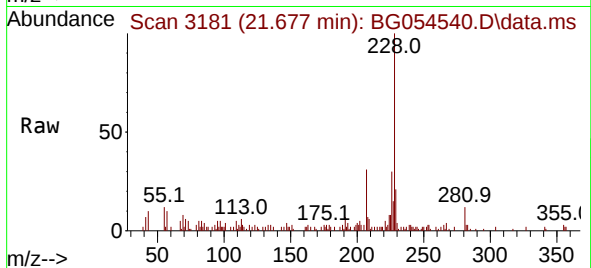




#81
Benzo(a)anthracene
Concen: 2.396 ng
RT: 21.677 min Scan# 3103
Delta R.T. 0.063 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

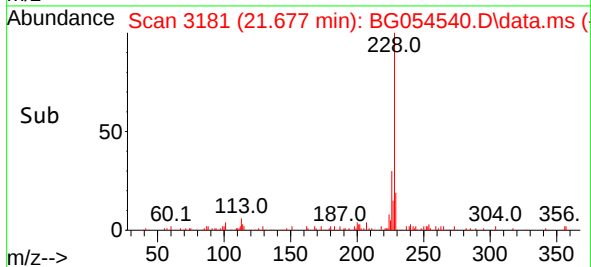
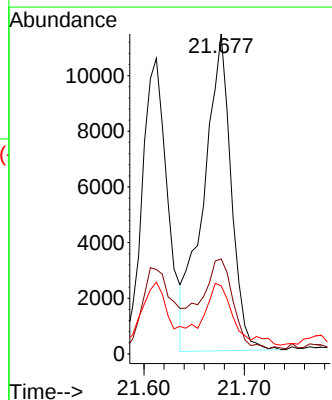
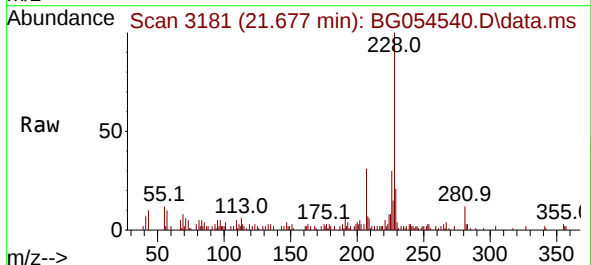
Instrument :
BNA_G
ClientSampleId :
RVE-159

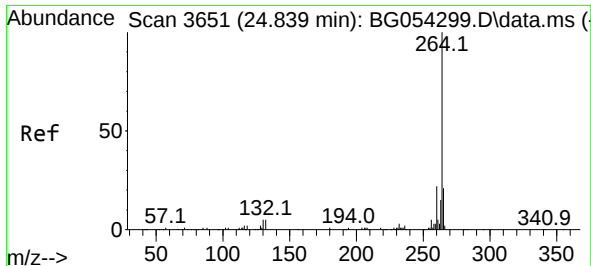
Tgt Ion:228 Resp: 21902
Ion Ratio Lower Upper
228 100
226 29.7 21.6 32.4
229 21.3 16.2 24.2



#83
Chrysene
Concen: 2.537 ng
RT: 21.677 min Scan# 3181
Delta R.T. -0.007 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

Tgt Ion:228 Resp: 21902
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.2
229 21.3 15.5 23.3

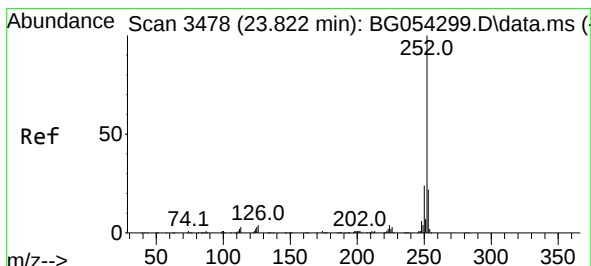
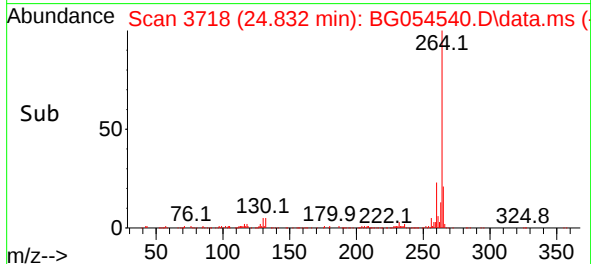
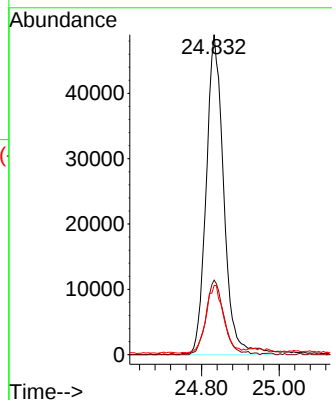
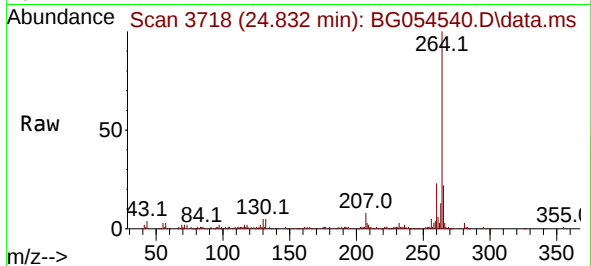




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.832 min Scan# 31
 Delta R.T. -0.001 min
 Lab File: BG054540.D
 Acq: 5 Aug 2022 18:18

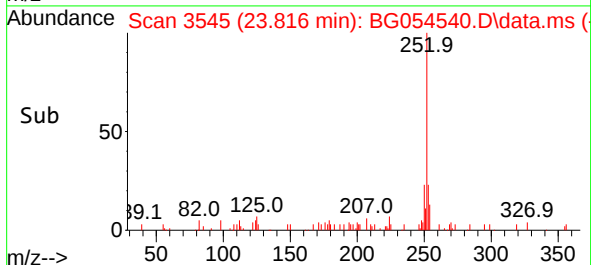
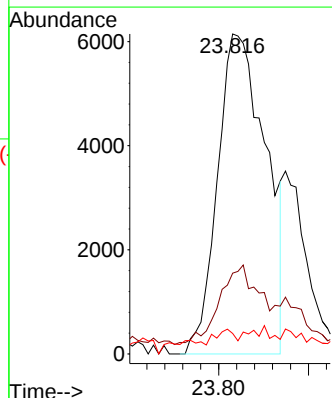
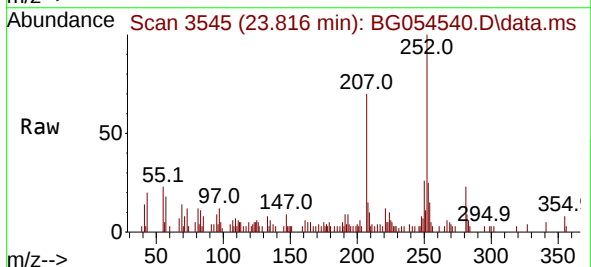
Instrument :
 BNA_G
 ClientSampleId :
 RVE-159

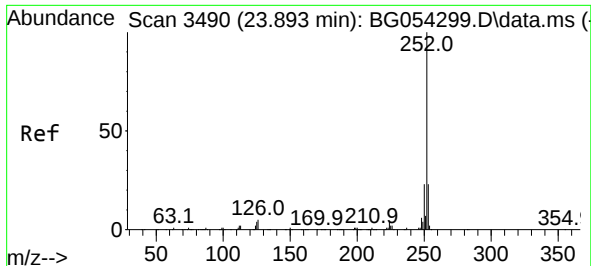
Tgt Ion:264 Resp: 153898
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.0 28.6
 265 21.7 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 2.522 ng
 RT: 23.816 min Scan# 3545
 Delta R.T. -0.007 min
 Lab File: BG054540.D
 Acq: 5 Aug 2022 18:18

Tgt Ion:252 Resp: 22956
 Ion Ratio Lower Upper
 252 100
 253 25.3 18.0 27.0
 125 6.4 4.6 6.8

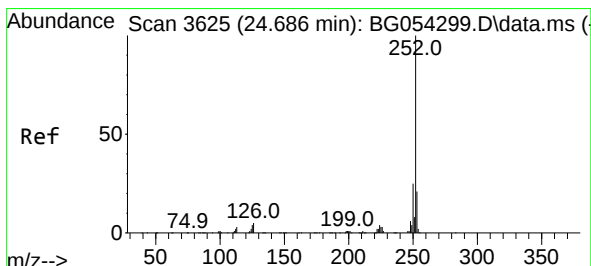
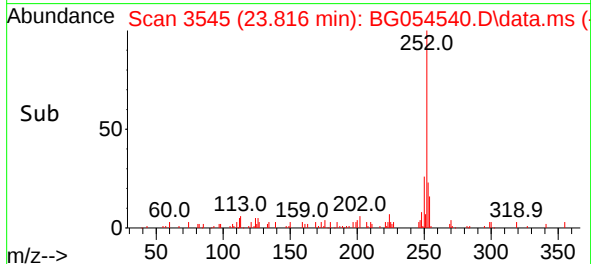
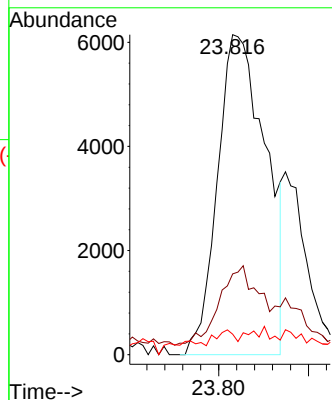
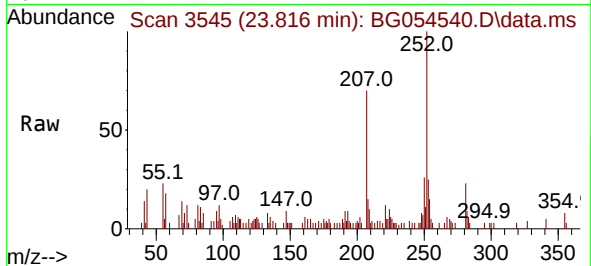




#89
Benzo(k)fluoranthene
Concen: 2.534 ng
RT: 23.816 min Scan# 31
Delta R.T. -0.072 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

Instrument :
BNA_G
ClientSampleId :
RVE-159

Tgt Ion:252 Resp: 22956
Ion Ratio Lower Upper
252 100
253 25.3 18.4 27.6
125 6.4 4.8 7.2



#90
Benzo(a)pyrene
Concen: 2.300 ng
RT: 24.685 min Scan# 3693
Delta R.T. -0.001 min
Lab File: BG054540.D
Acq: 5 Aug 2022 18:18

Tgt Ion:252 Resp: 17875
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 6.1 4.3 6.5

