

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
 Data File : BG054541.D
 Acq On : 5 Aug 2022 19:01
 Operator : CG/JU
 Sample : N3960-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-151

Quant Time: Aug 06 05:40:24 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)

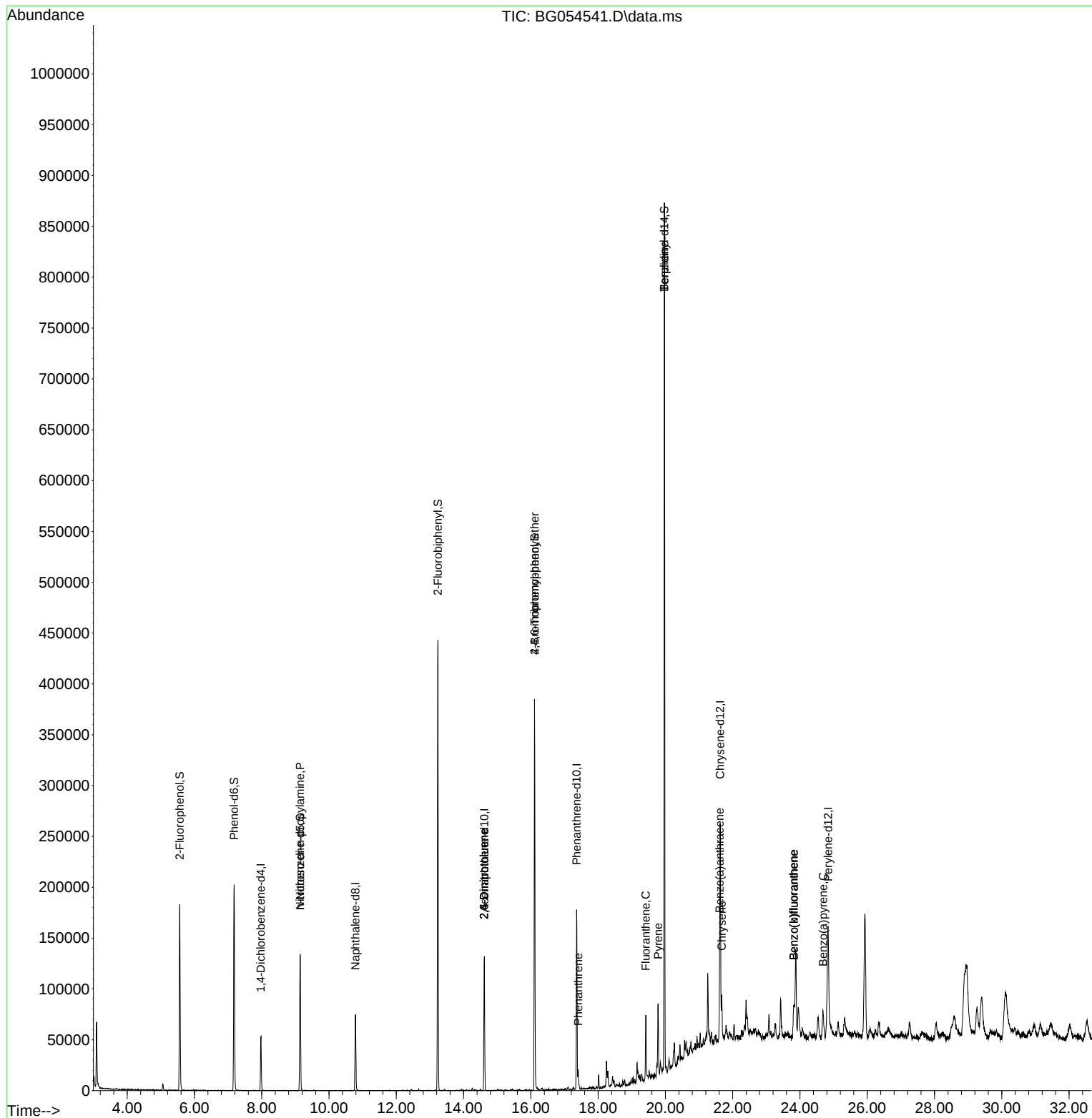
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.972	152	17541	20.000	ng	-0.02
21) Naphthalene-d8	10.786	136	68271	20.000	ng	#-0.01
39) Acenaphthene-d10	14.617	164	51614	20.000	ng	0.00
64) Phenanthrene-d10	17.361	188	126453	20.000	ng	#-0.01
76) Chrysene-d12	21.626	240	139241	20.000	ng	#-0.01
86) Perylene-d12	24.834	264	139028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	87358	103.981	ng	0.00
7) Phenol-d6	7.179	99	120202	104.415	ng	0.00
23) Nitrobenzene-d5	9.141	82	83570	66.660	ng	-0.01
42) 2,4,6-Tribromophenol	16.109	330	103574	95.574	ng	0.00
45) 2-Fluorobiphenyl	13.236	172	250179	68.378	ng	-0.01
79) Terphenyl-d14	19.970	244	476865	67.940	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.141	70	11998	15.607	ng	# 80
51) 2,6-Dinitrotoluene	14.611	165	7111	8.042	ng	# 16
57) 2,4-Dinitrotoluene	14.611	165	7111	5.609	ng	# 21
67) 4-Bromophenyl-phenylether	16.109	248	6209	3.496	ng	# 1
71) Phenanthrene	17.408	178	14692	2.333	ng	97
75) Fluoranthene	19.417	202	41088	4.786	ng	97
77) Benzidine	19.970	184	6526	2.588	ng	# 89
78) Pyrene	19.782	202	50768	6.354	ng	99
81) Benzo(a)anthracene	21.609	228	29520	3.340	ng	92
83) Chrysene	21.673	228	34636	4.148	ng	96
88) Benzo(b)fluoranthene	23.818	252	47487	5.776	ng	95
89) Benzo(k)fluoranthene	23.818	252	47487	5.803	ng	96
90) Benzo(a)pyrene	24.688	252	30706	4.373	ng	100

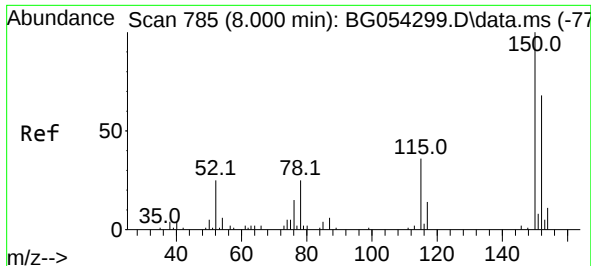
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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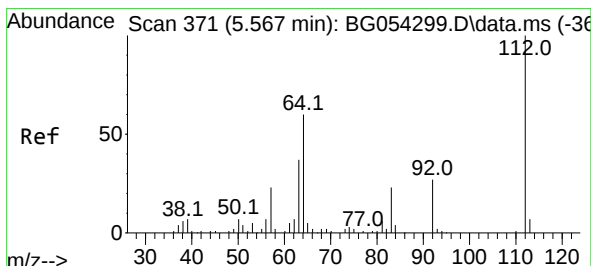
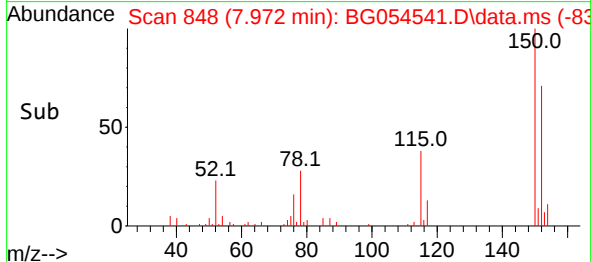
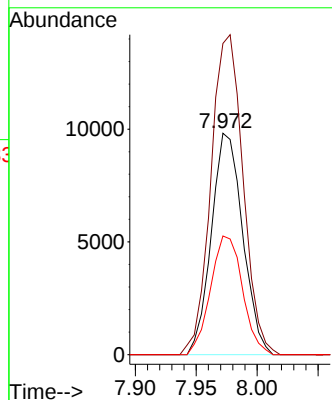
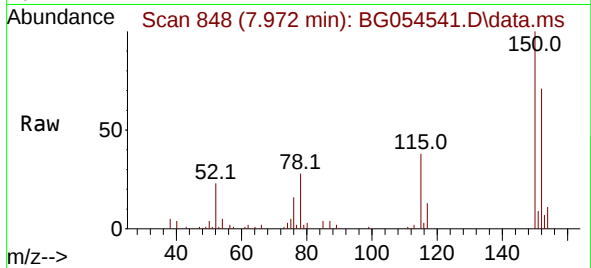




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.972 min Scan# 84
Delta R.T. -0.016 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

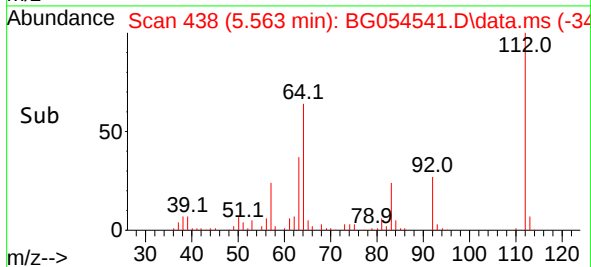
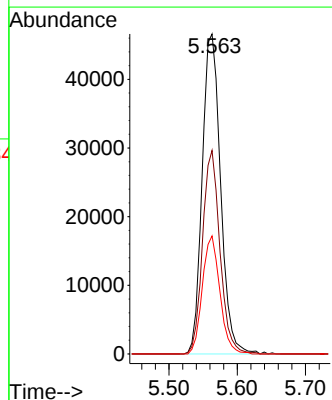
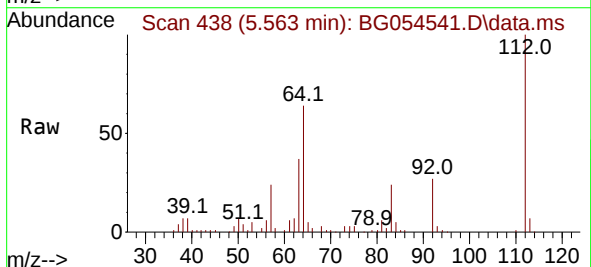
Instrument :
BNA_G
ClientSampleId :
RVE-151

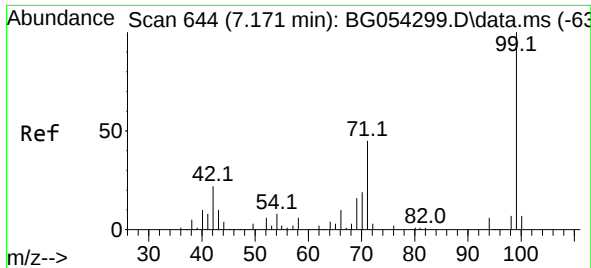
Tgt Ion:152 Resp: 17541
Ion Ratio Lower Upper
152 100
150 140.5 131.6 197.4
115 53.6 50.9 76.3



#5
2-Fluorophenol
Concen: 103.981 ng
RT: 5.563 min Scan# 438
Delta R.T. 0.001 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

Tgt Ion:112 Resp: 87358
Ion Ratio Lower Upper
112 100
64 63.6 55.1 82.7
63 36.9 30.4 45.6

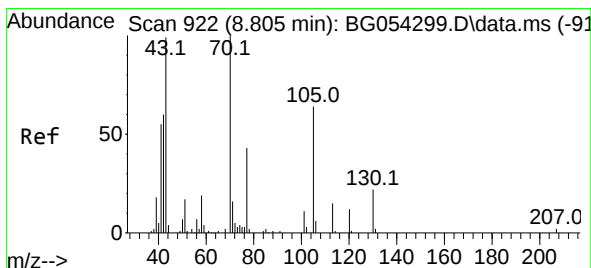
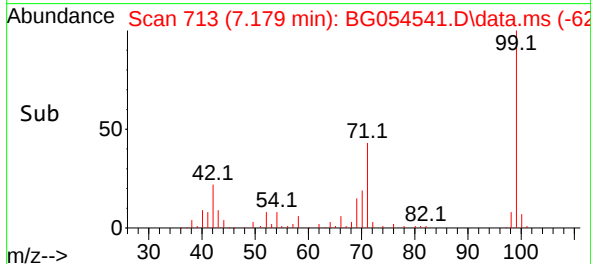
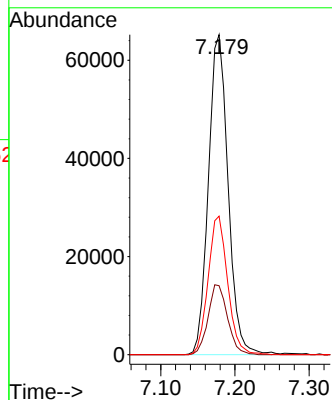
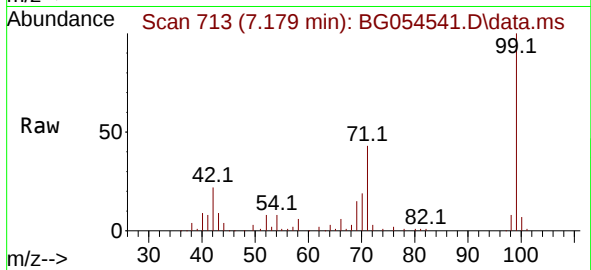




#7
Phenol-d6
Concen: 104.415 ng
RT: 7.179 min Scan# 71
Delta R.T. 0.007 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

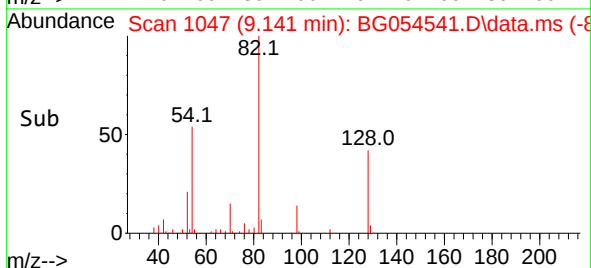
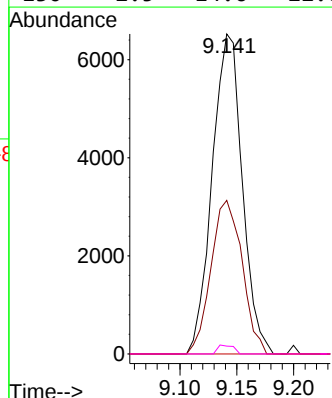
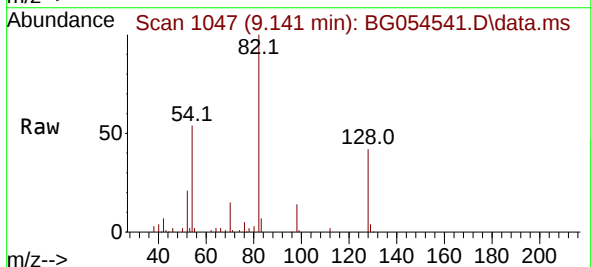
Instrument :
BNA_G
ClientSampleId :
RVE-151

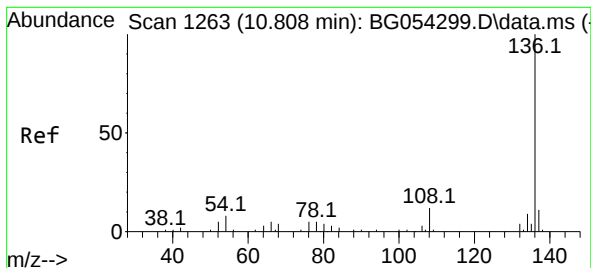
Tgt Ion: 99 Resp: 120202
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 43.3 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.607 ng
RT: 9.141 min Scan# 1047
Delta R.T. 0.348 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

Tgt Ion: 70 Resp: 11998
Ion Ratio Lower Upper
70 100
42 48.0 47.3 70.9
101 0.0 7.0 10.4#
130 2.5 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.786 min Scan# 11

Delta R.T. -0.011 min

Lab File: BG054541.D

Acq: 5 Aug 2022 19:01

Instrument :

BNA_G

ClientSampleId :

RVE-151

Tgt Ion:136 Resp: 68271

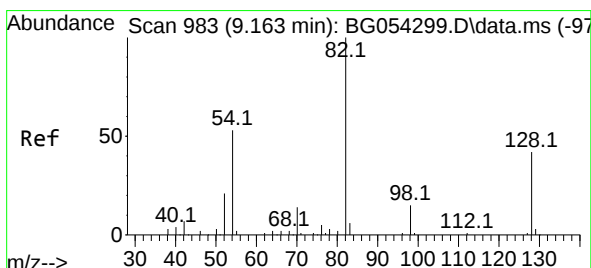
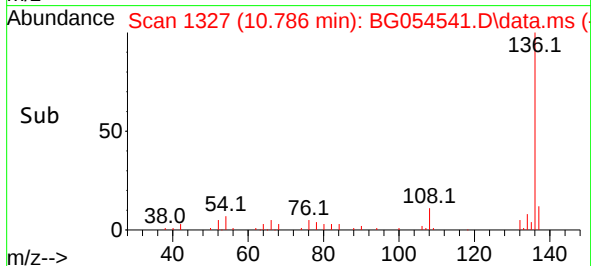
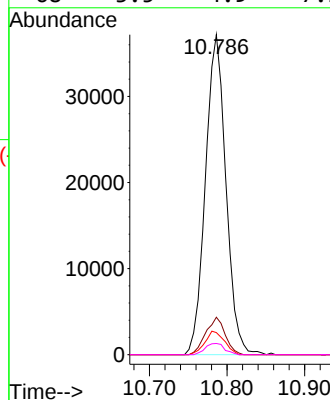
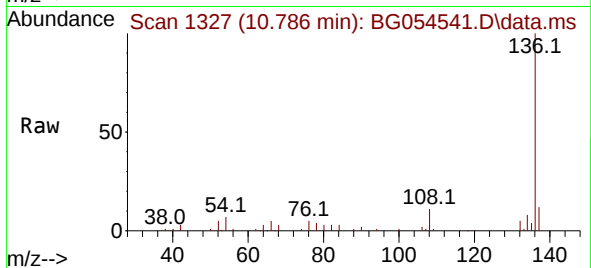
Ion Ratio Lower Upper

136 100

137 11.7 8.5 12.7

54 6.9 7.4 11.2#

68 3.5 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 66.660 ng

RT: 9.141 min Scan# 1047

Delta R.T. -0.011 min

Lab File: BG054541.D

Acq: 5 Aug 2022 19:01

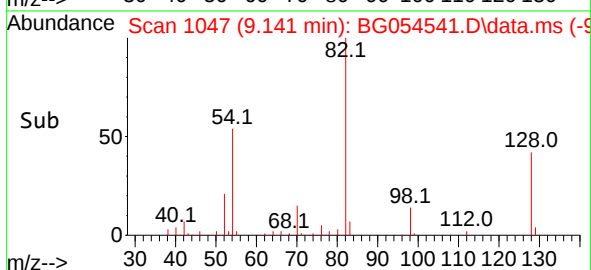
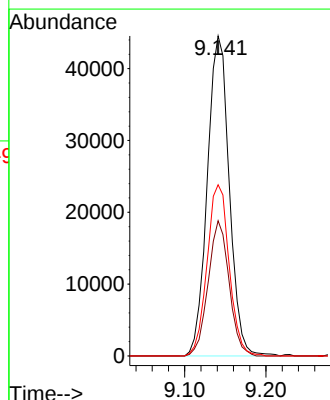
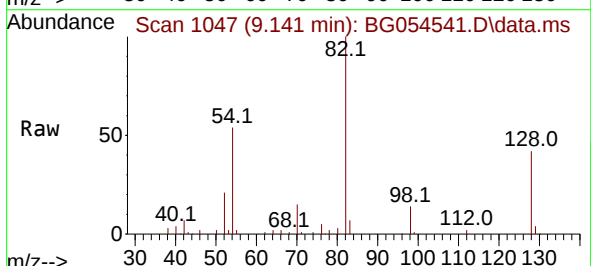
Tgt Ion: 82 Resp: 83570

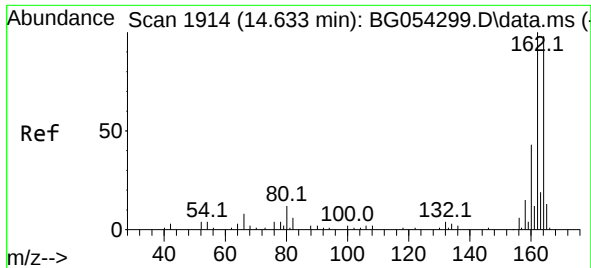
Ion Ratio Lower Upper

82 100

128 42.3 27.9 41.9#

54 53.5 41.2 61.8

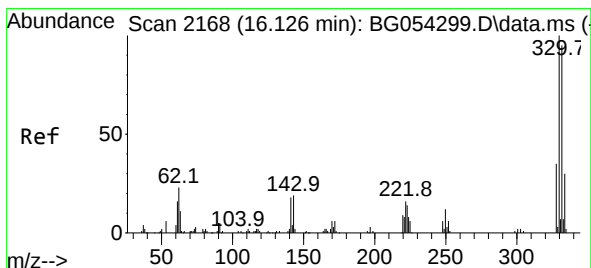
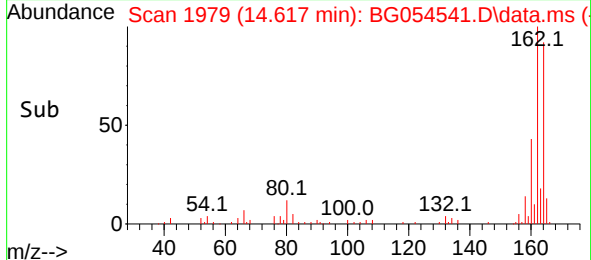
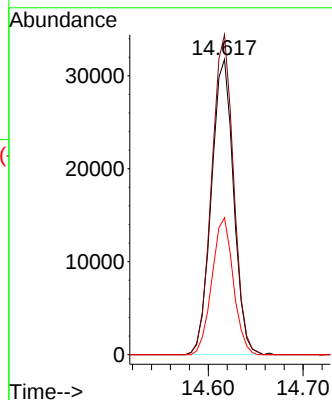
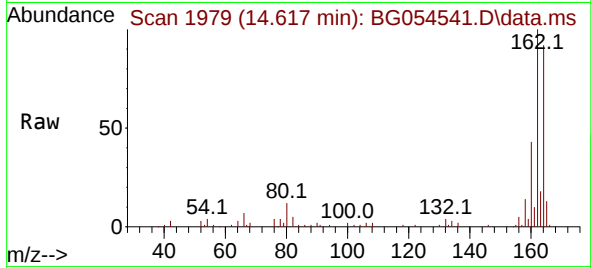




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.617 min Scan# 1914
Delta R.T. -0.005 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

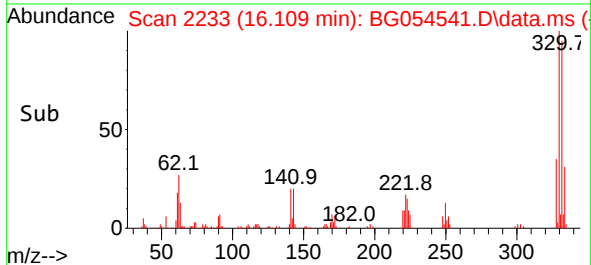
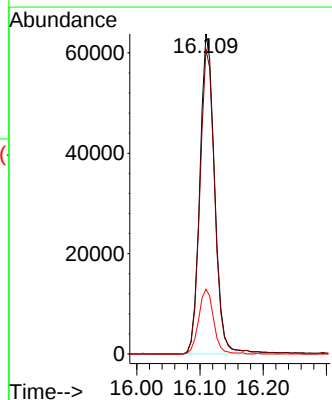
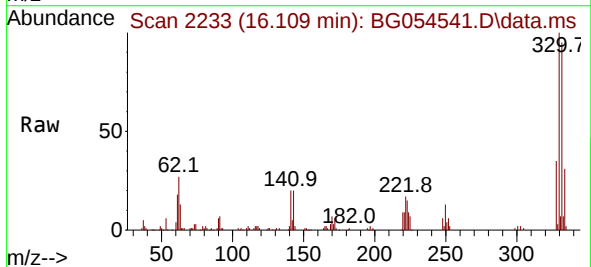
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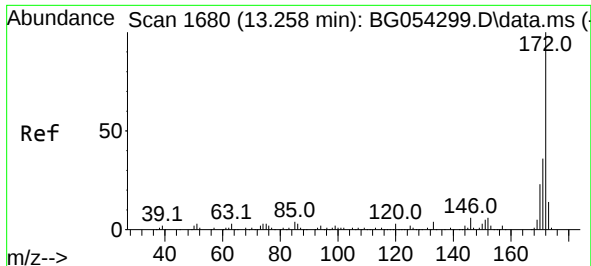
Tgt Ion:164 Resp: 51614
Ion Ratio Lower Upper
164 100
162 108.4 82.3 123.5
160 46.4 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 95.574 ng
RT: 16.109 min Scan# 2233
Delta R.T. -0.005 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

Tgt Ion:330 Resp: 103574
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 20.4 27.1 40.7#

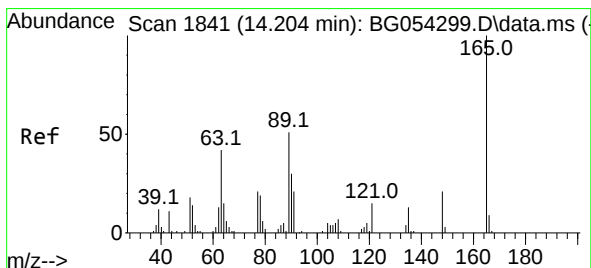
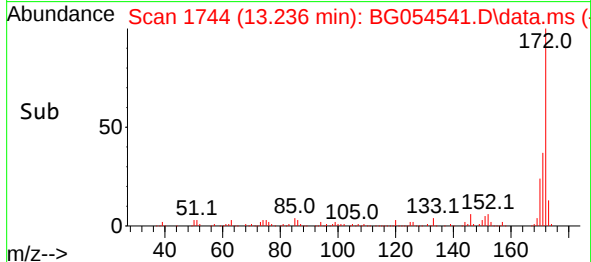
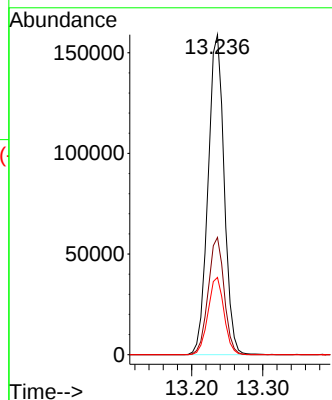
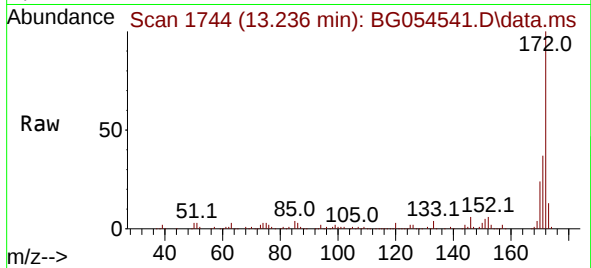




#45
2-Fluorobiphenyl
Concen: 68.378 ng
RT: 13.236 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

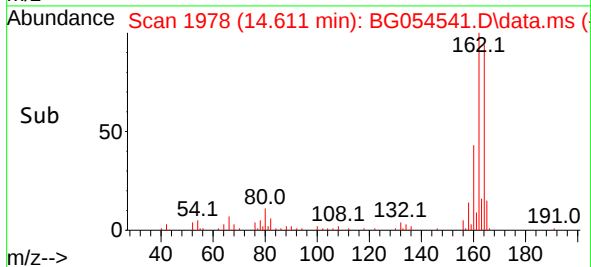
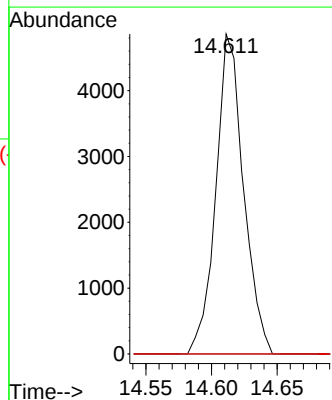
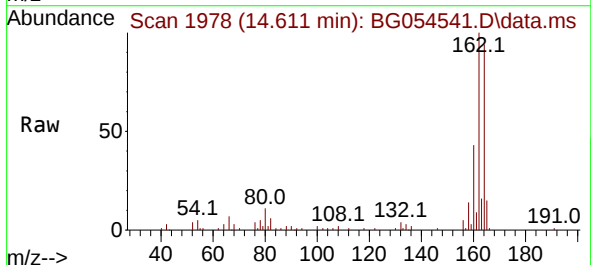
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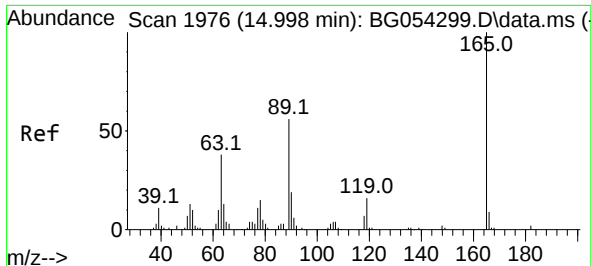
Tgt Ion:172 Resp: 250179
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.2 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.042 ng
RT: 14.611 min Scan# 1978
Delta R.T. 0.412 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

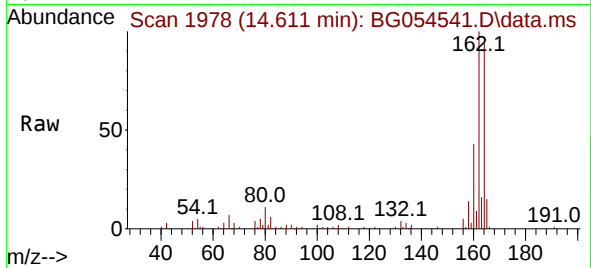
Tgt Ion:165 Resp: 7111
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



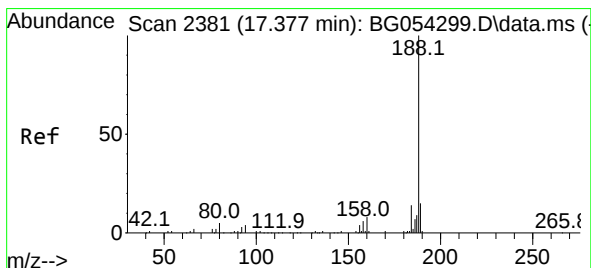
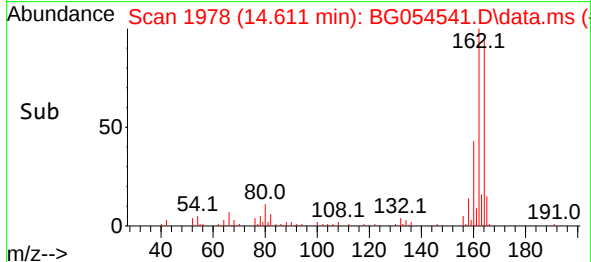
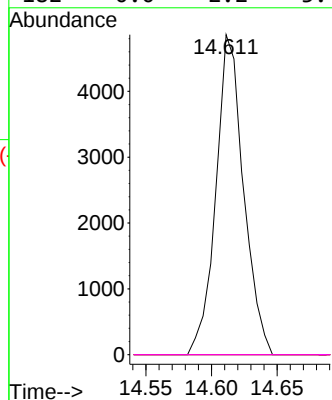


#57
2,4-Dinitrotoluene
Concen: 5.609 ng
RT: 14.611 min Scan# 14
Delta R.T. -0.381 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

Instrument :
BNA_G
ClientSampleId :
RVE-151

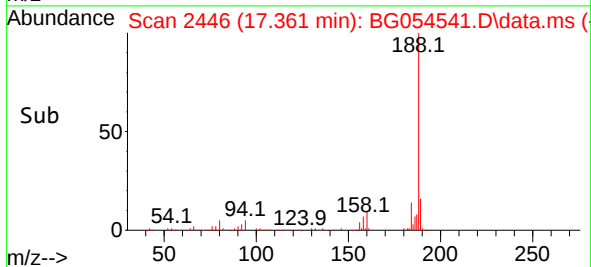
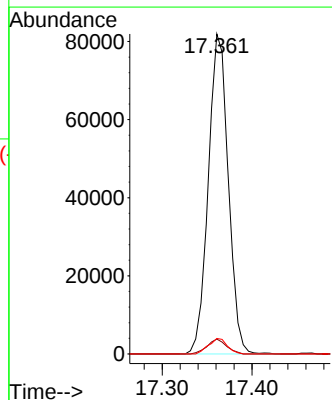
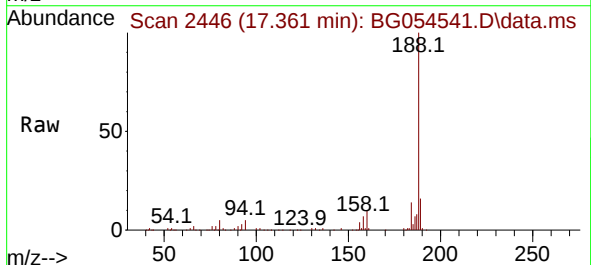


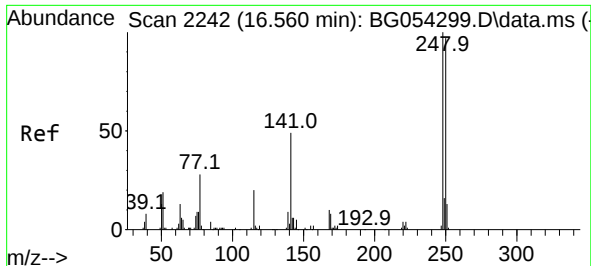
Tgt Ion:165 Resp: 7111
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.361 min Scan# 2446
Delta R.T. -0.011 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

Tgt Ion:188 Resp: 126453
Ion Ratio Lower Upper
188 100
94 4.7 5.4 8.0#
80 4.8 6.8 10.2#

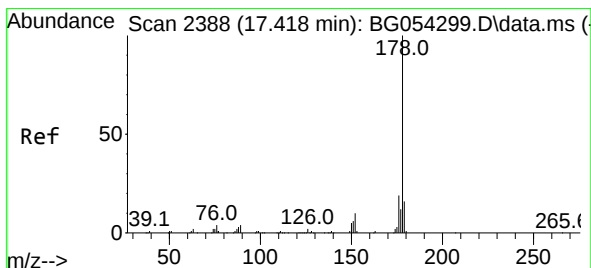
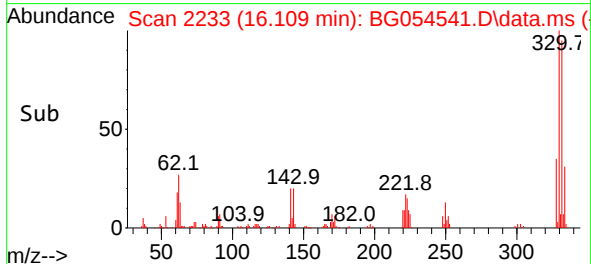
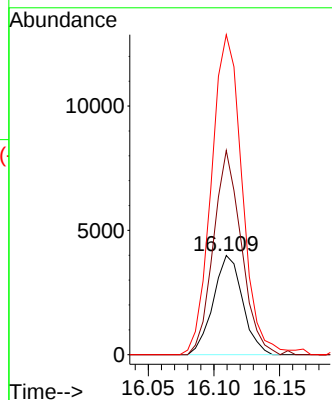
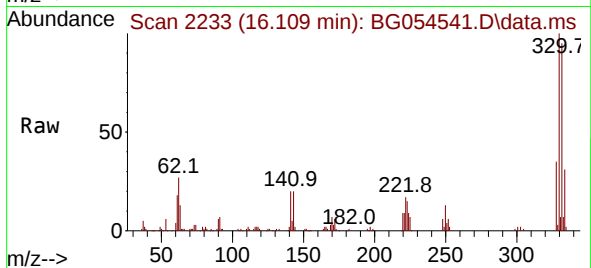




#67
4-Bromophenyl-phenylether
Concen: 3.496 ng
RT: 16.109 min Scan# 21
Delta R.T. -0.445 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

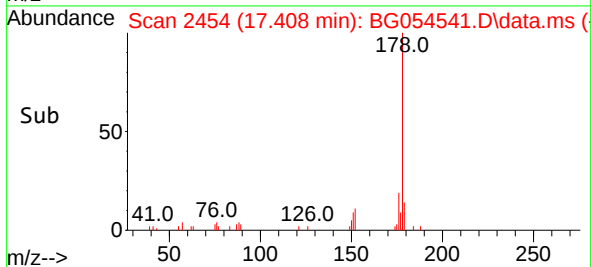
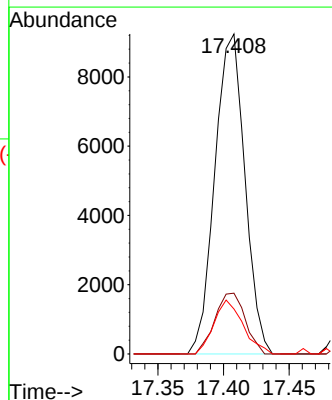
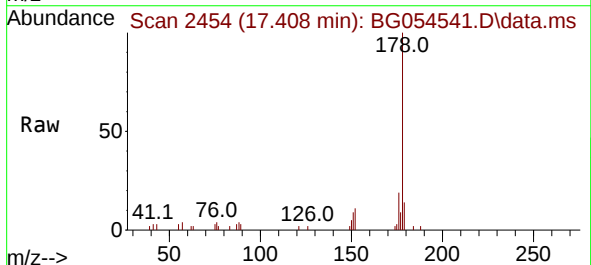
Instrument :
BNA_G
ClientSampleId :
RVE-151

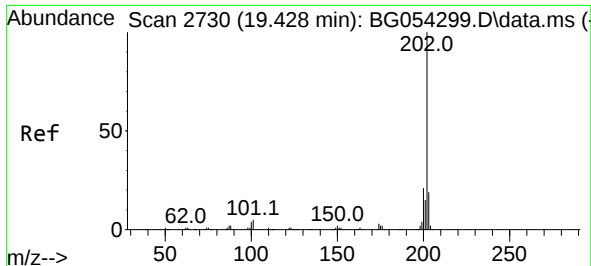
Tgt Ion:248 Resp: 6209
Ion Ratio Lower Upper
248 100
250 263.8 75.2 112.8#
141 322.6 50.0 75.0#



#71
Phenanthrene
Concen: 2.333 ng
RT: 17.408 min Scan# 2454
Delta R.T. -0.005 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

Tgt Ion:178 Resp: 14692
Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 14.1 12.1 18.1

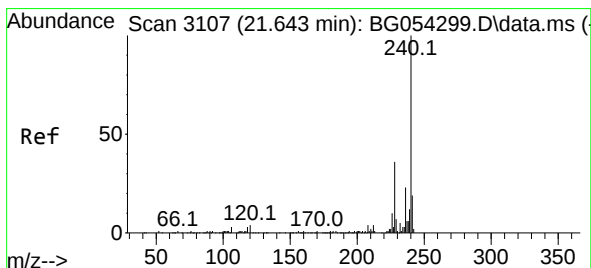
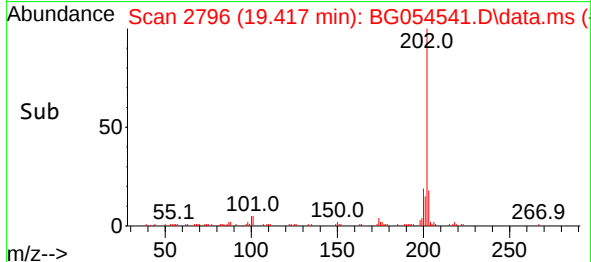
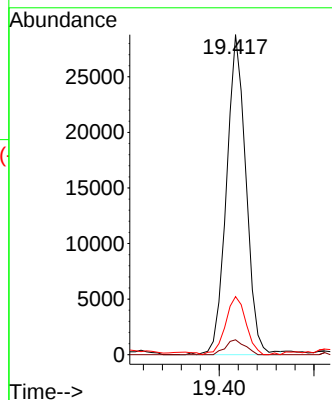
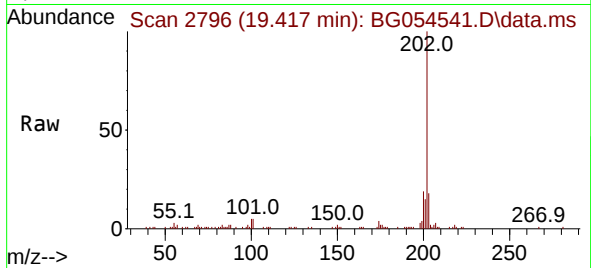




#75
Fluoranthene
Concen: 4.786 ng
RT: 19.417 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

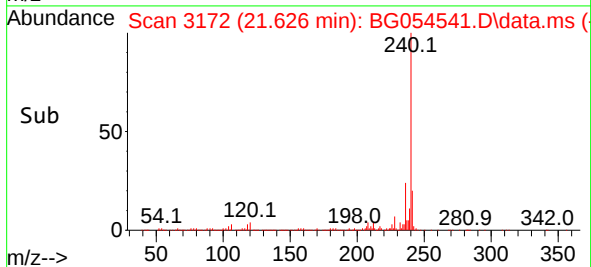
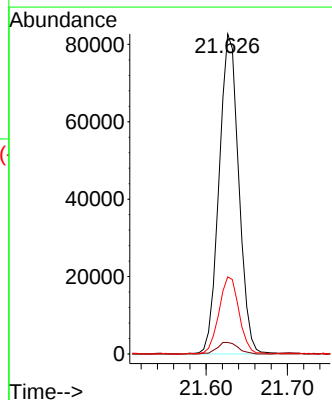
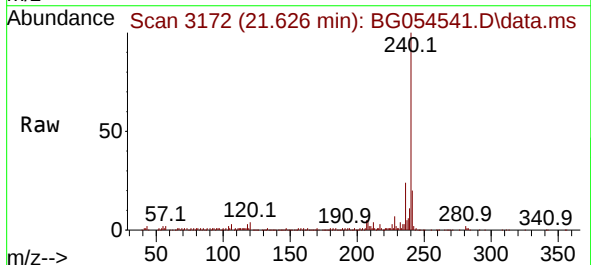
Instrument :
BNA_G
ClientSampleId :
RVE-151

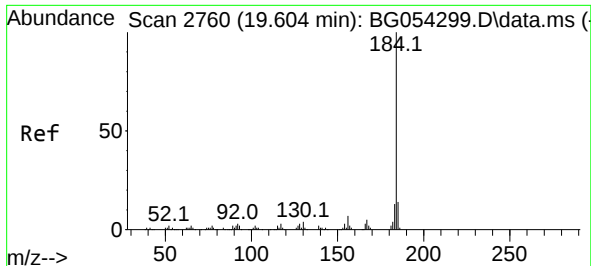
Tgt Ion:202 Resp: 41088
Ion Ratio Lower Upper
202 100
101 4.7 0.0 26.9
203 18.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.626 min Scan# 3172
Delta R.T. -0.011 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

Tgt Ion:240 Resp: 139241
Ion Ratio Lower Upper
240 100
120 3.6 4.6 7.0#
236 24.1 20.2 30.4

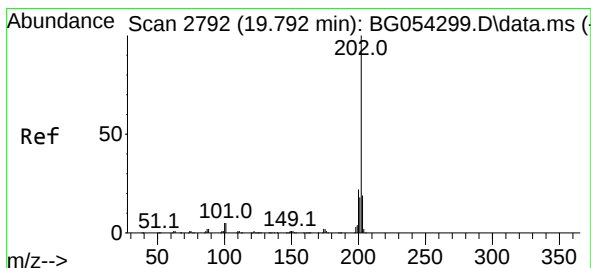
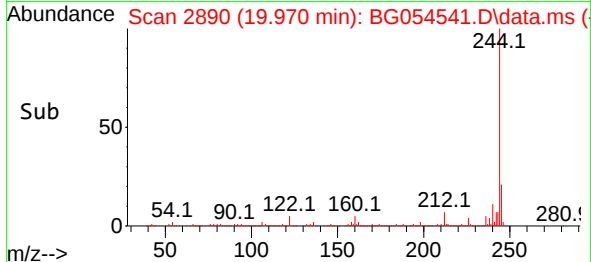
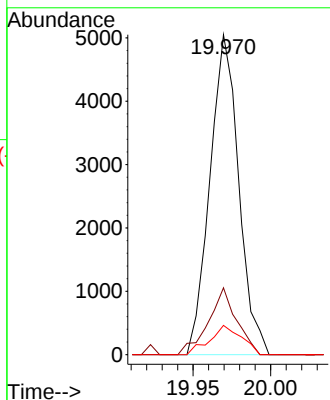
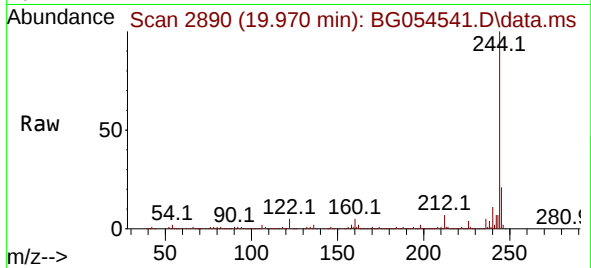




#77
Benzidine
Concen: 2.588 ng
RT: 19.970 min Scan# 21
Delta R.T. 0.371 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

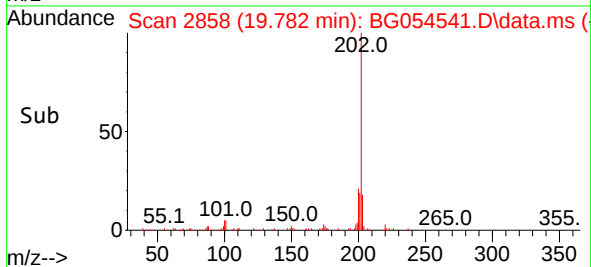
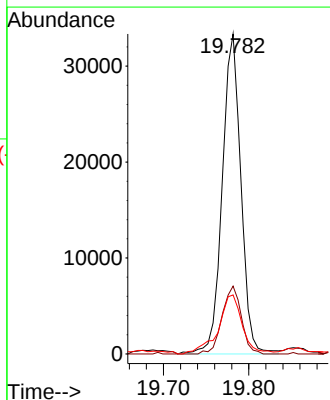
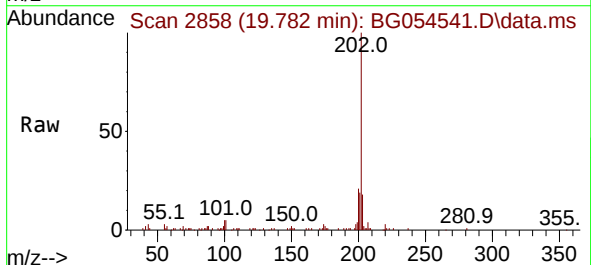
Instrument :
BNA_G
ClientSampleId :
RVE-151

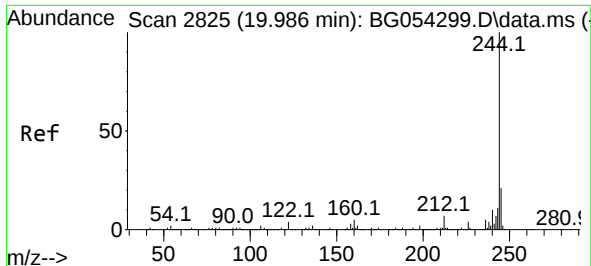
Tgt Ion:184 Resp: 6526
Ion Ratio Lower Upper
184 100
185 20.9 11.8 17.6#
183 9.2 8.9 13.3



#78
Pyrene
Concen: 6.354 ng
RT: 19.782 min Scan# 2858
Delta R.T. -0.005 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

Tgt Ion:202 Resp: 50768
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 18.4 14.6 21.8

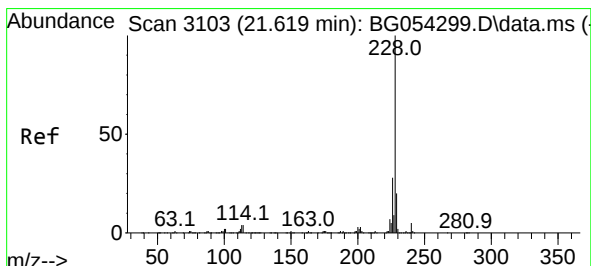
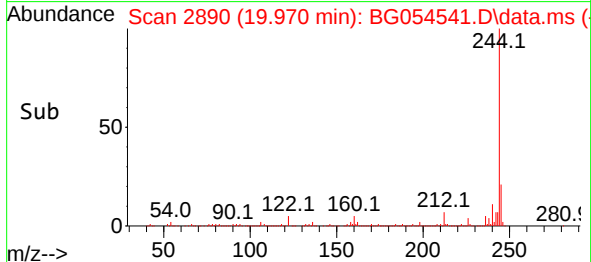
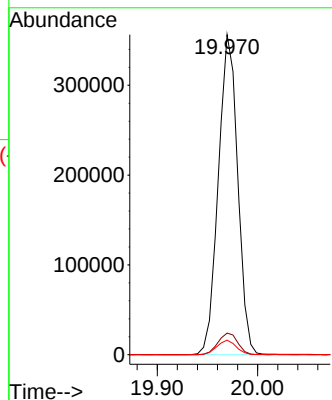
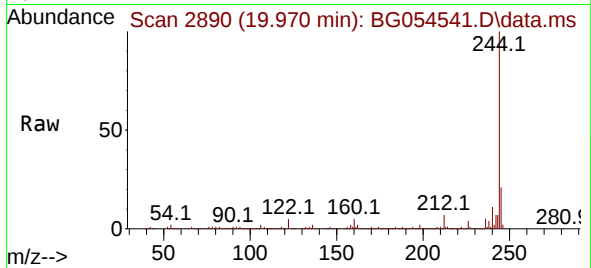




#79
 Terphenyl-d14
 Concen: 67.940 ng
 RT: 19.970 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BG054541.D
 Acq: 5 Aug 2022 19:01

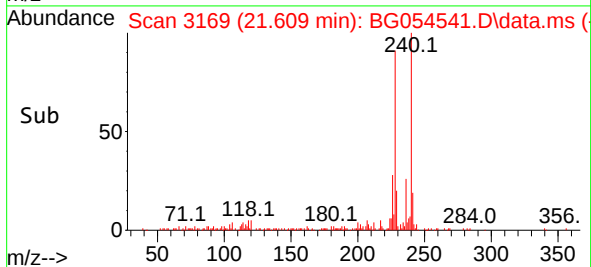
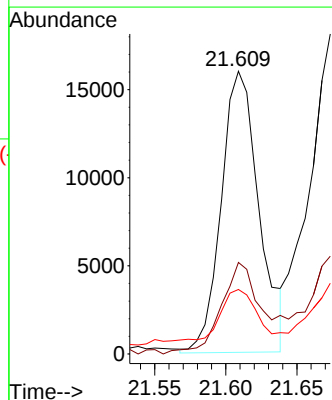
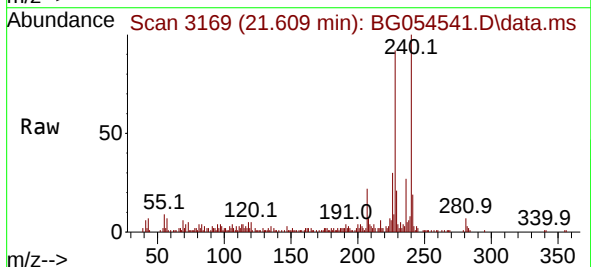
Instrument :
 BNA_G
 ClientSampleId :
 RVE-151

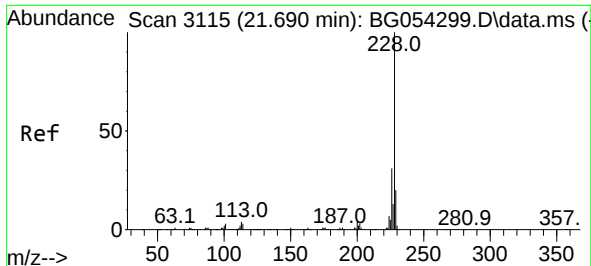
Tgt Ion:244 Resp: 476865
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 4.5 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 3.340 ng
 RT: 21.609 min Scan# 3169
 Delta R.T. -0.005 min
 Lab File: BG054541.D
 Acq: 5 Aug 2022 19:01

Tgt Ion:228 Resp: 29520
 Ion Ratio Lower Upper
 228 100
 226 32.4 21.6 32.4
 229 22.8 16.2 24.2

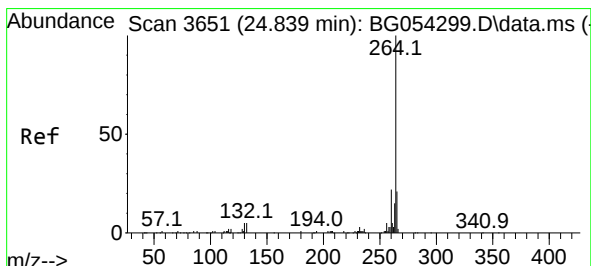
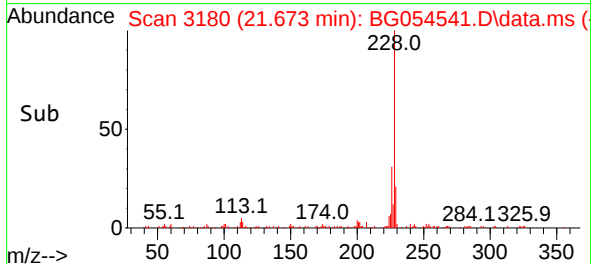
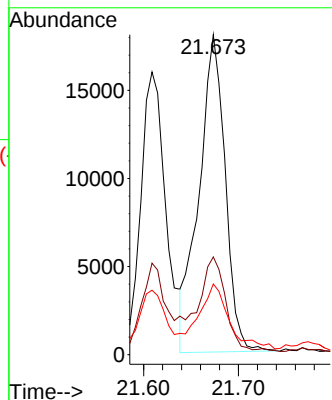
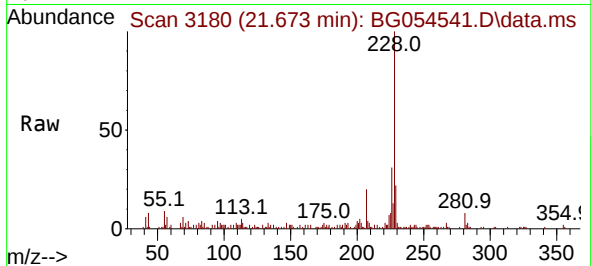




#83
Chrysene
Concen: 4.148 ng
RT: 21.673 min Scan# 3115
Delta R.T. -0.011 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

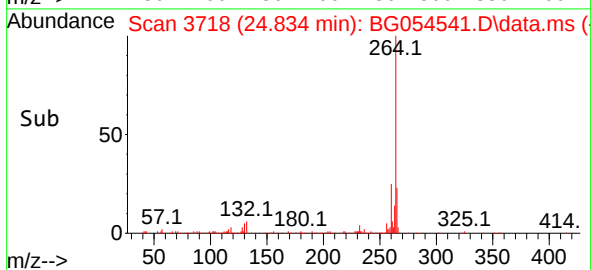
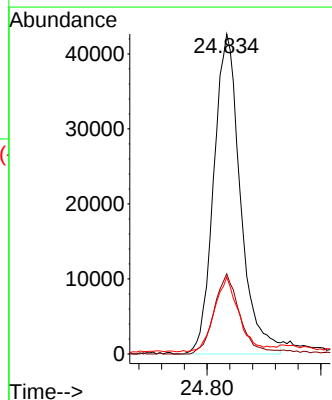
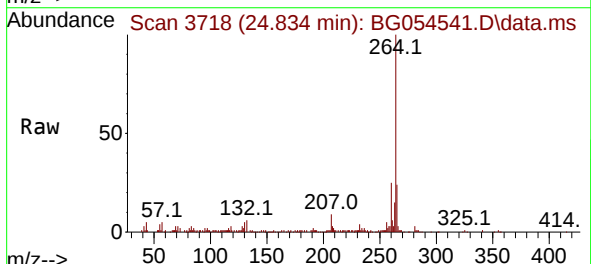
Instrument :
BNA_G
ClientSampleId :
RVE-151

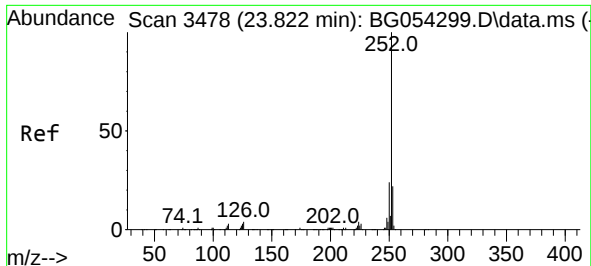
Tgt Ion:228 Resp: 34636
Ion Ratio Lower Upper
228 100
226 30.5 23.4 35.2
229 22.1 15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.834 min Scan# 3718
Delta R.T. 0.001 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

Tgt Ion:264 Resp: 139028
Ion Ratio Lower Upper
264 100
260 25.1 19.0 28.6
265 24.0 17.4 26.2

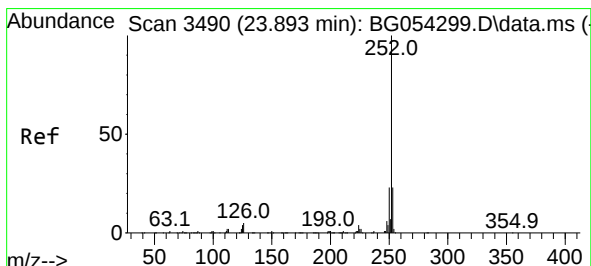
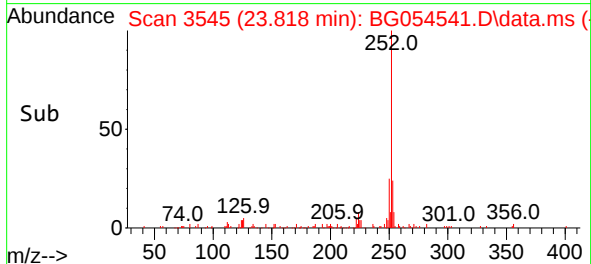
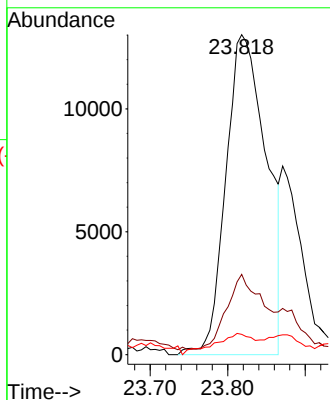
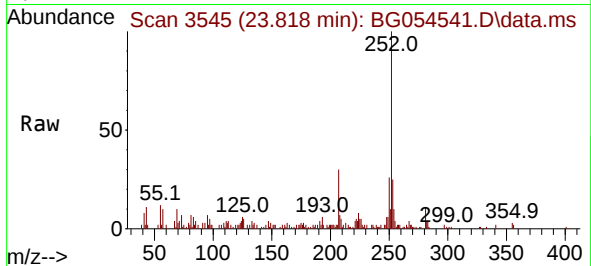




#88
Benzo(b)fluoranthene
Concen: 5.776 ng
RT: 23.818 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

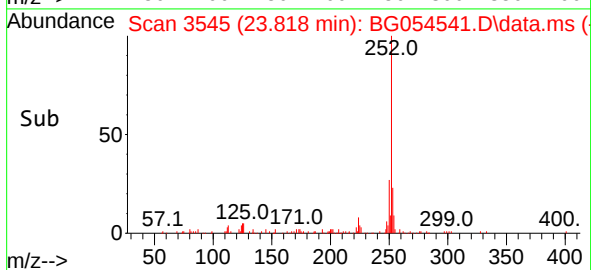
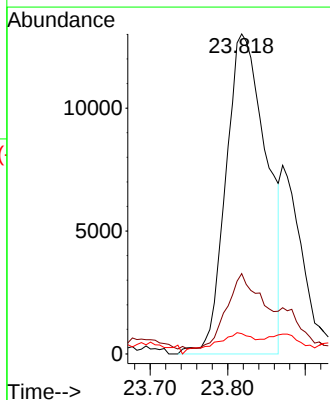
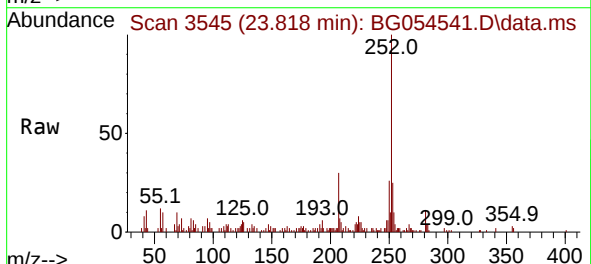
Instrument :
BNA_G
ClientSampleId :
RVE-151

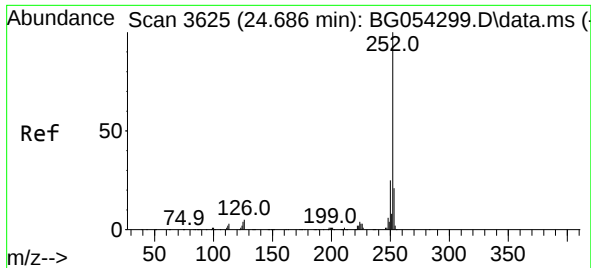
Tgt Ion:252 Resp: 47487
Ion Ratio Lower Upper
252 100
253 25.1 18.0 27.0
125 6.4 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 5.803 ng
RT: 23.818 min Scan# 3545
Delta R.T. -0.069 min
Lab File: BG054541.D
Acq: 5 Aug 2022 19:01

Tgt Ion:252 Resp: 47487
Ion Ratio Lower Upper
252 100
253 25.1 18.4 27.6
125 6.4 4.8 7.2





#90

Benzo(a)pyrene

Concen: 4.373 ng

RT: 24.688 min Scan# 30

Delta R.T. 0.001 min

Lab File: BG054541.D

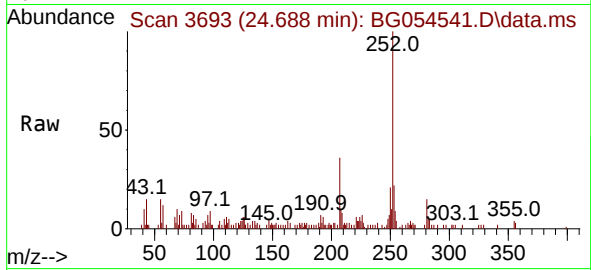
Acq: 5 Aug 2022 19:01

Instrument :

BNA_G

ClientSampleId :

RVE-151



Tgt Ion:252 Resp: 30706

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 5.9 4.3 6.5

