

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
 Data File : BG054543.D
 Acq On : 5 Aug 2022 20:27
 Operator : CG/JU
 Sample : N3963-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-217

Quant Time: Aug 06 05:40:39 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)

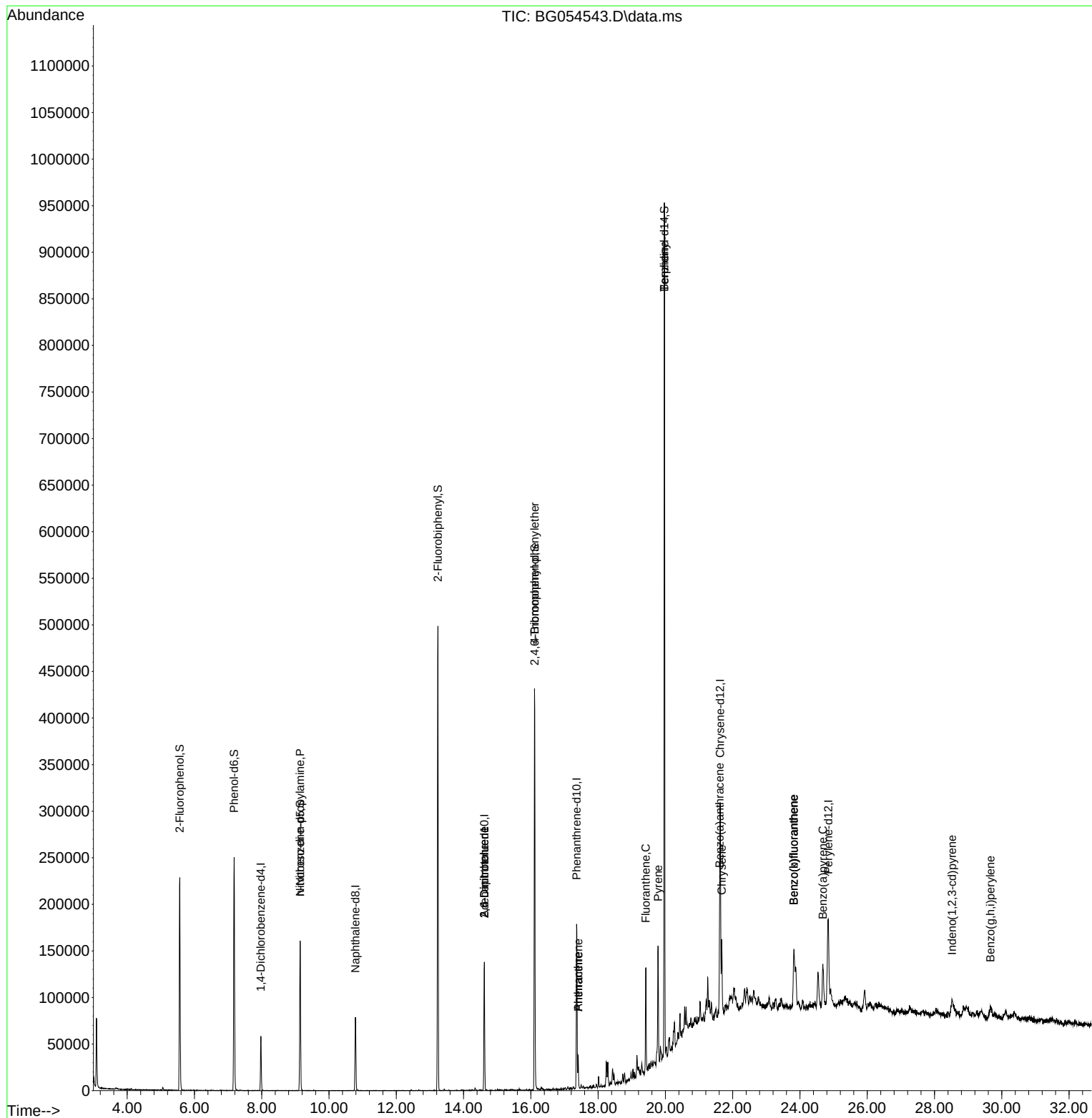
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.972	152	18678	20.000	ng	-0.02
21) Naphthalene-d8	10.787	136	72401	20.000	ng	#-0.01
39) Acenaphthene-d10	14.618	164	54389	20.000	ng	0.00
64) Phenanthrene-d10	17.361	188	128814	20.000	ng	#-0.01
76) Chrysene-d12	21.627	240	139801	20.000	ng	#-0.01
86) Perylene-d12	24.841	264	138821	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	106794	119.378	ng	0.00
7) Phenol-d6	7.179	99	144654	118.007	ng	0.00
23) Nitrobenzene-d5	9.142	82	96930	72.907	ng	-0.01
42) 2,4,6-Tribromophenol	16.116	330	117960	103.295	ng	0.00
45) 2-Fluorobiphenyl	13.237	172	288493	74.827	ng	-0.01
79) Terphenyl-d14	19.970	244	511048	72.519	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.142	70	13610	16.627	ng	# 80
51) 2,6-Dinitrotoluene	14.618	165	7704	8.268	ng	# 16
57) 2,4-Dinitrotoluene	14.618	165	7704	5.767	ng	# 21
67) 4-Bromophenyl-phenylether	16.110	248	7277	4.022	ng	# 1
71) Phenanthrene	17.408	178	25887	4.035	ng	96
72) Anthracene	17.408	178	25887	4.112	ng	99
75) Fluoranthene	19.418	202	73291	8.381	ng	97
77) Benzidine	19.970	184	7198	2.843	ng	# 86
78) Pyrene	19.782	202	90616	11.296	ng	100
81) Benzo(a)anthracene	21.609	228	53220	5.997	ng	98
83) Chrysene	21.674	228	64716	7.719	ng	96
87) Indeno(1,2,3-cd)pyrene	28.519	276	37065	3.510	ng	# 89
88) Benzo(b)fluoranthene	23.819	252	92285	11.241	ng	97
89) Benzo(k)fluoranthene	23.819	252	92285	11.295	ng	# 97
90) Benzo(a)pyrene	24.682	252	60491	8.628	ng	98
92) Benzo(g,h,i)perylene	29.665	276	36091	4.211	ng	94

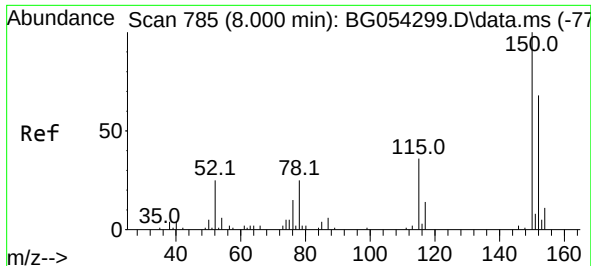
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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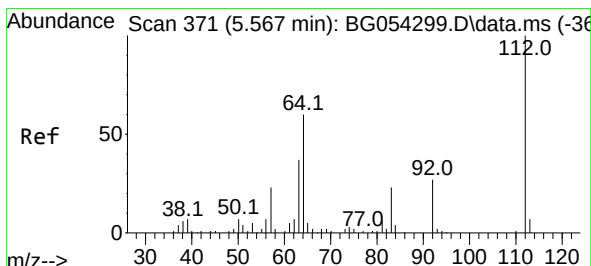
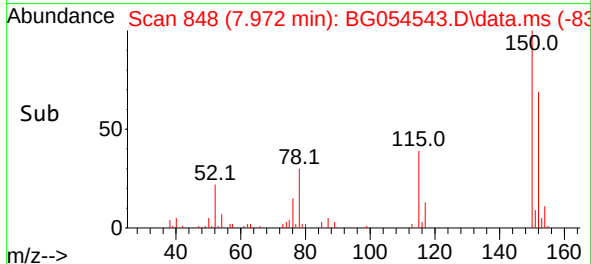
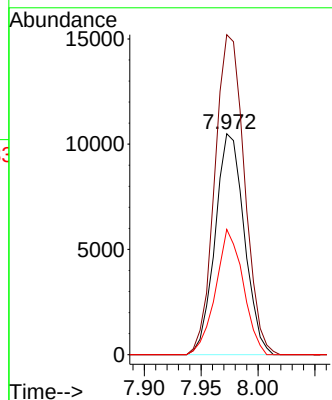
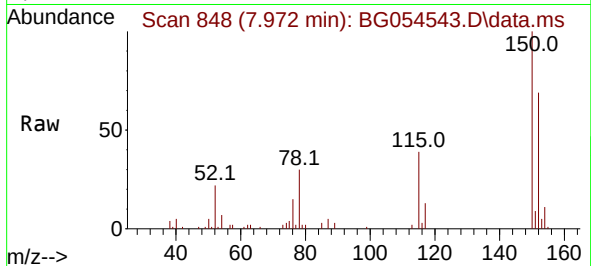




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.972 min Scan# 84
Delta R.T. -0.016 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

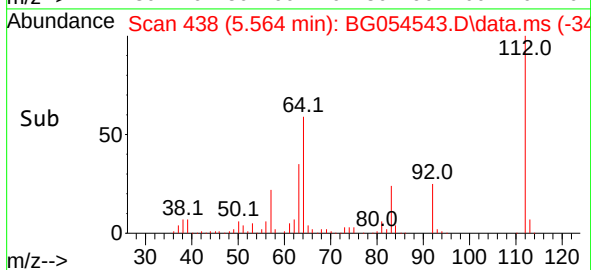
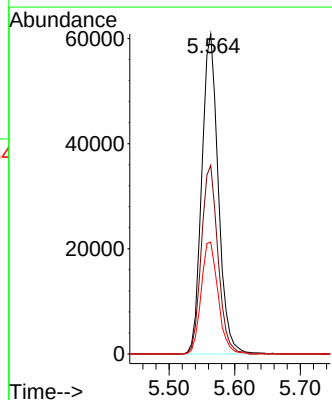
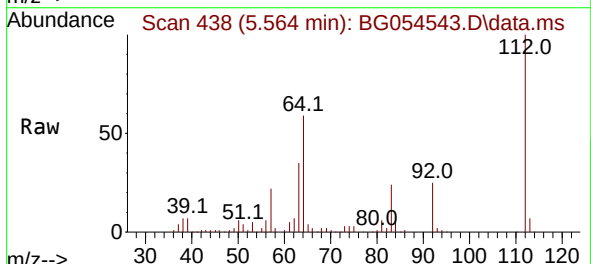
Instrument :
BNA_G
ClientSampleId :
RVE-217

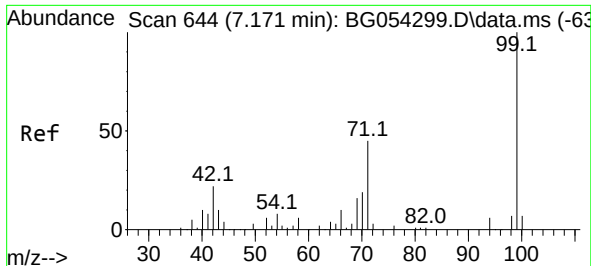
Tgt Ion:152 Resp: 18678
Ion Ratio Lower Upper
152 100
150 144.8 131.6 197.4
115 56.7 50.9 76.3



#5
2-Fluorophenol
Concen: 119.378 ng
RT: 5.564 min Scan# 438
Delta R.T. 0.002 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Tgt Ion:112 Resp: 106794
Ion Ratio Lower Upper
112 100
64 58.9 55.1 82.7
63 34.9 30.4 45.6





#7
Phenol-d6
Concen: 118.007 ng
RT: 7.179 min Scan# 71
Delta R.T. 0.008 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

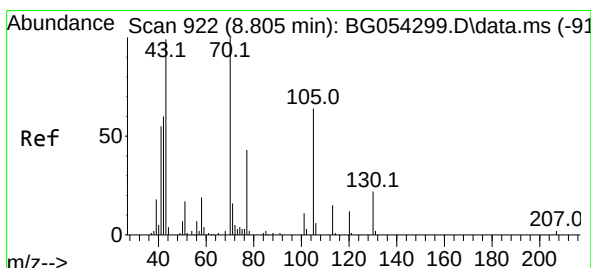
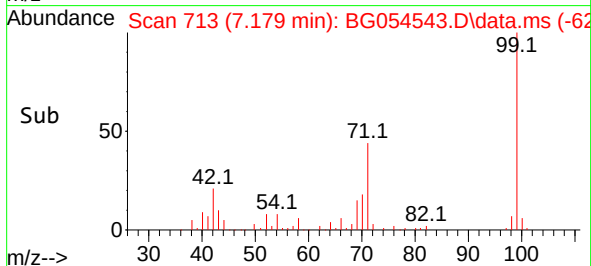
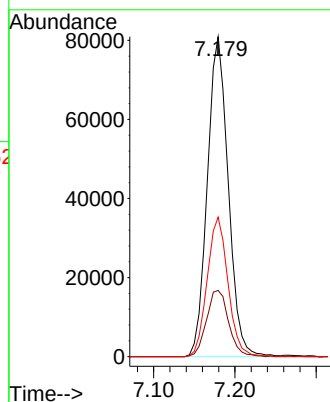
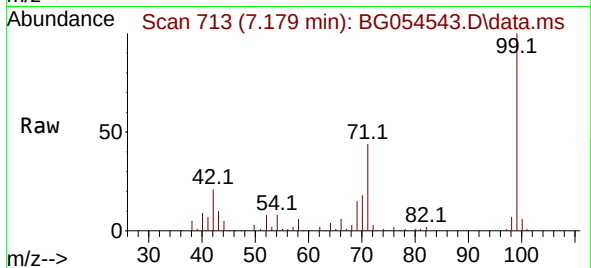
Instrument :

BNA_G

ClientSampleId :

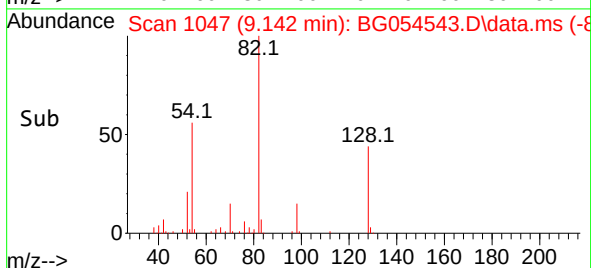
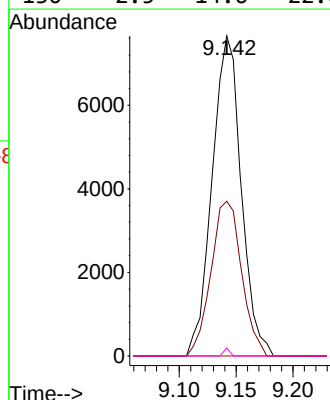
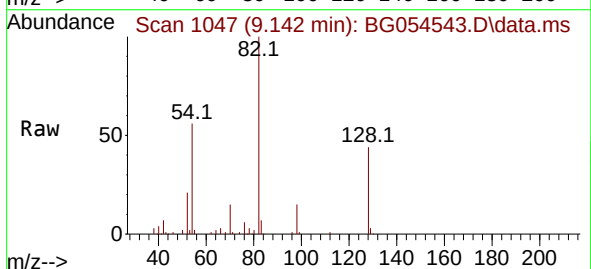
RVE-217

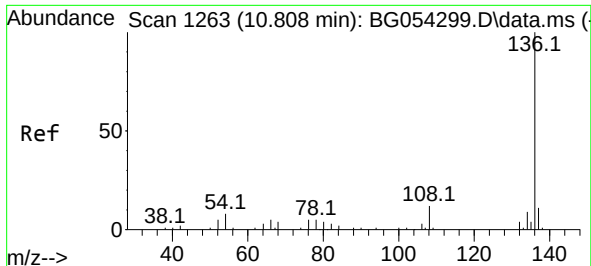
Tgt Ion: 99 Resp: 144654
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 43.6 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.627 ng
RT: 9.142 min Scan# 1047
Delta R.T. 0.348 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Tgt Ion: 70 Resp: 13610
Ion Ratio Lower Upper
70 100
42 48.4 47.3 70.9
101 0.0 7.0 10.4#
130 2.5 14.6 22.0#

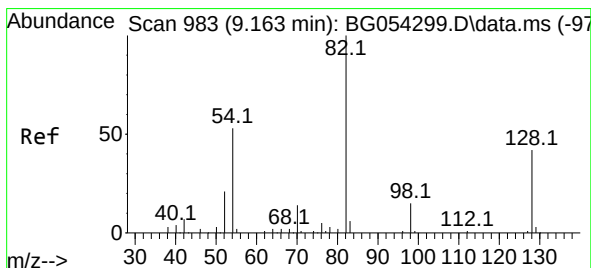
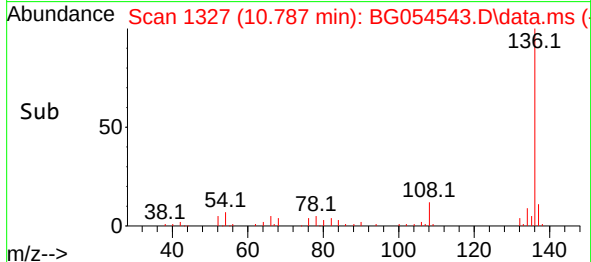
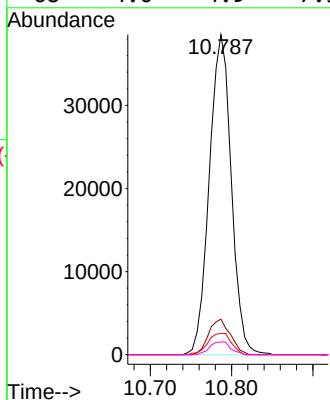
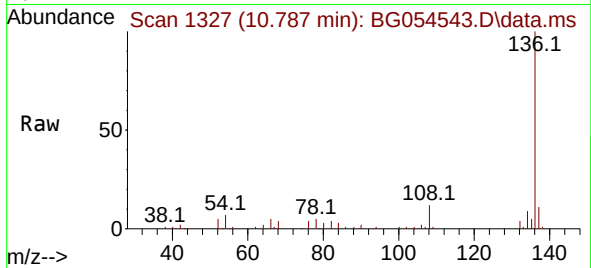




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.787 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

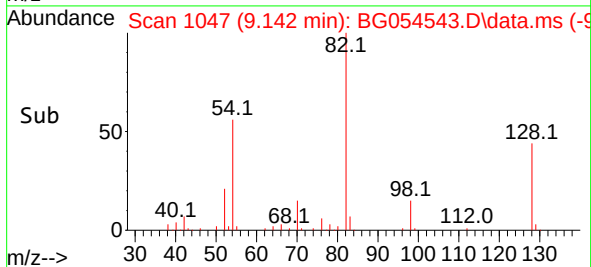
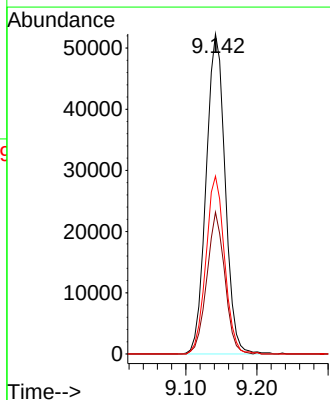
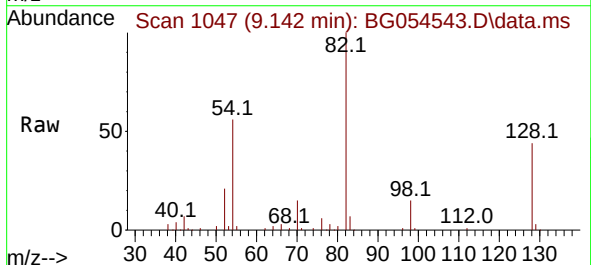
Instrument :
BNA_G
ClientSampleId :
RVE-217

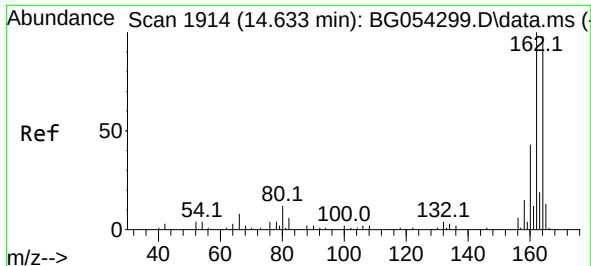
Tgt Ion:	136	Resp:	72401
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	6.6	7.4	11.2#
68	4.0	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 72.907 ng
RT: 9.142 min Scan# 1047
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

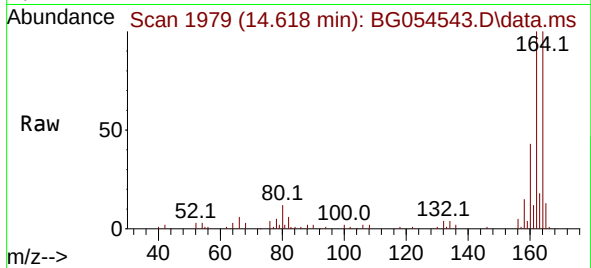
Tgt Ion:	82	Resp:	96930
Ion Ratio	Lower	Upper	
82	100		
128	44.3	27.9	41.9#
54	55.5	41.2	61.8



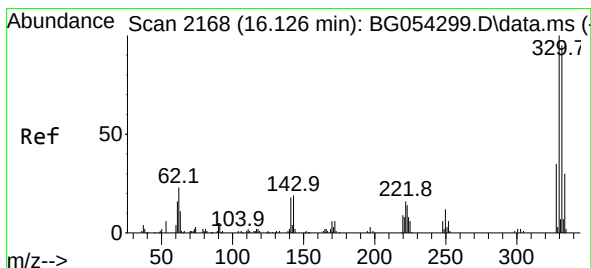
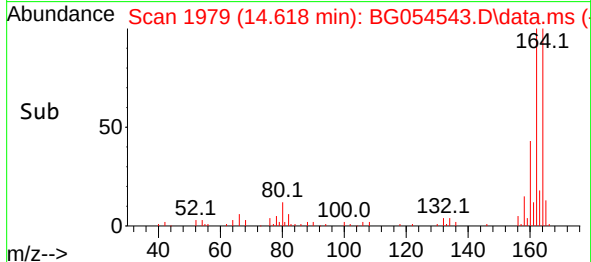
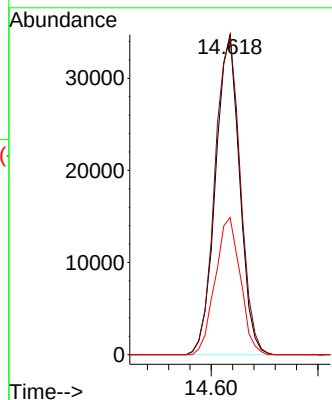


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.618 min Scan# 1914
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Instrument :
BNA_G
ClientSampleId :
RVE-217

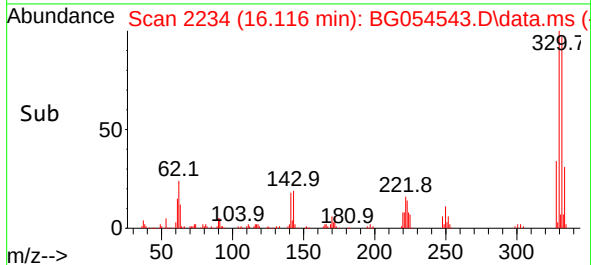
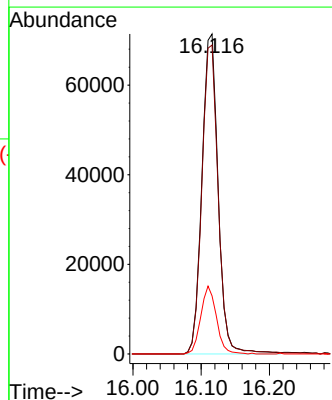
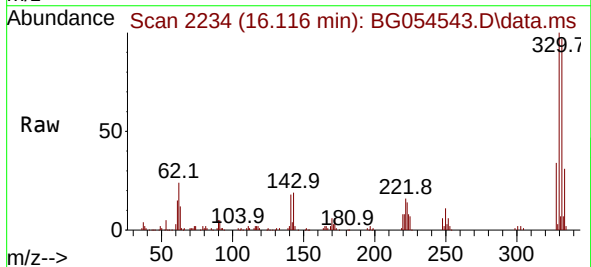


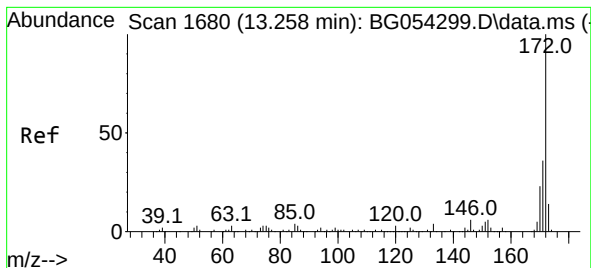
Tgt Ion:164 Resp: 54389
Ion Ratio Lower Upper
164 100
162 100.1 82.3 123.5
160 42.9 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 103.295 ng
RT: 16.116 min Scan# 2234
Delta R.T. 0.002 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Tgt Ion:330 Resp: 117960
Ion Ratio Lower Upper
330 100
332 98.1 76.0 114.0
141 20.5 27.1 40.7#

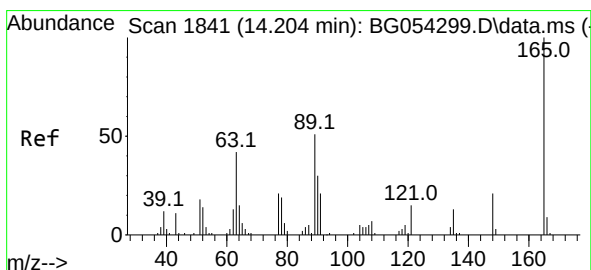
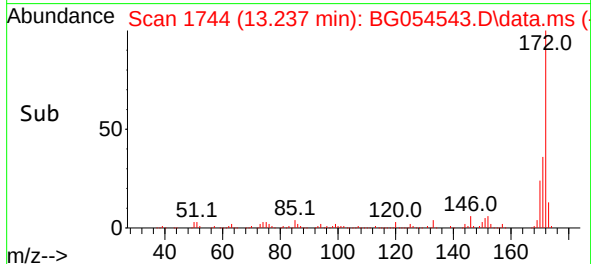
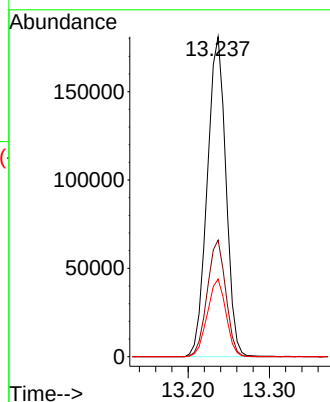
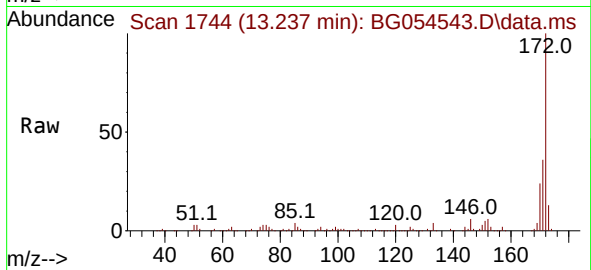




#45
2-Fluorobiphenyl
Concen: 74.827 ng
RT: 13.237 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

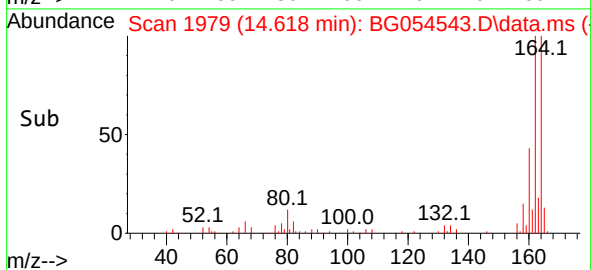
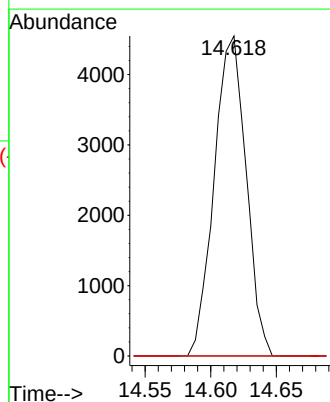
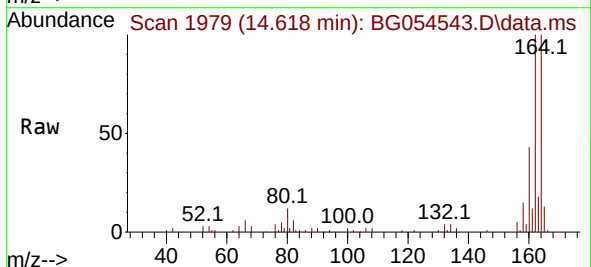
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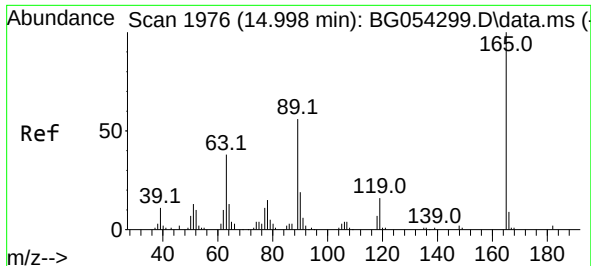
Tgt Ion:172 Resp: 288493
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 24.2 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.268 ng
RT: 14.618 min Scan# 1979
Delta R.T. 0.419 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

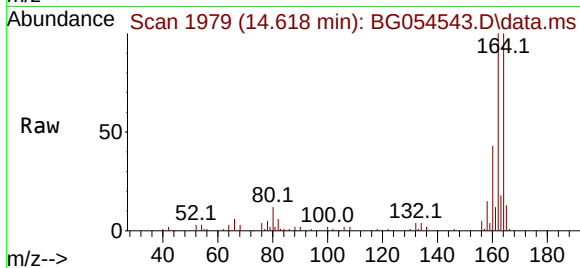
Tgt Ion:165 Resp: 7704
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



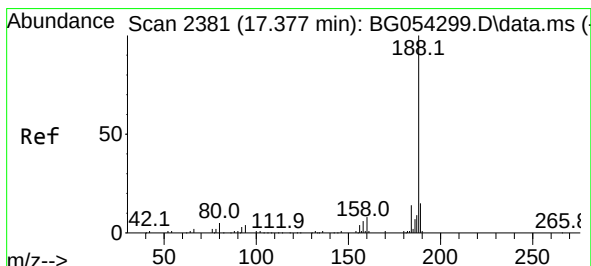
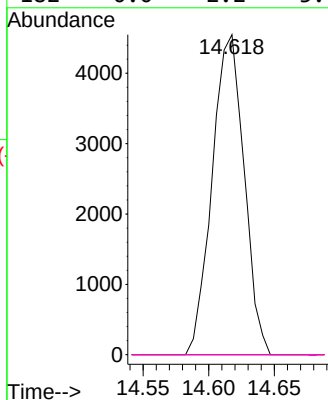
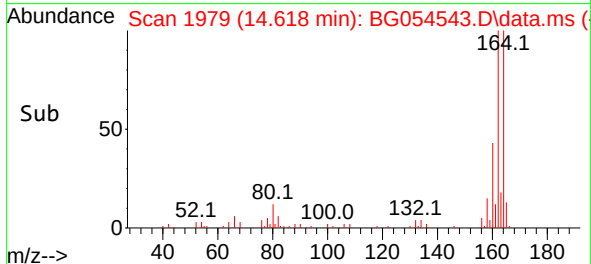


#57
2,4-Dinitrotoluene
Concen: 5.767 ng
RT: 14.618 min Scan# 14618
Delta R.T. -0.374 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

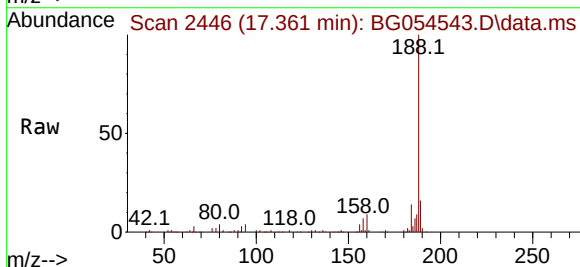
Instrument :
BNA_G
ClientSampleId :
RVE-217



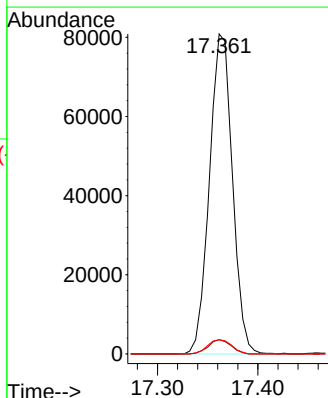
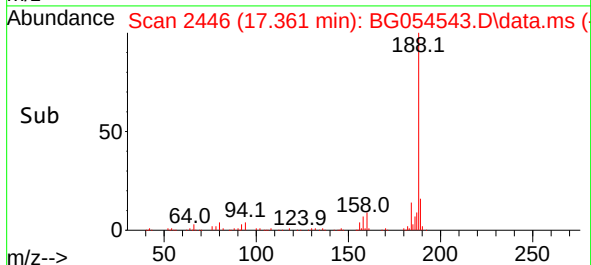
Tgt Ion:165 Resp: 7704
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#

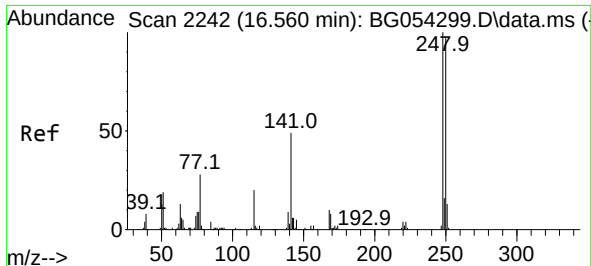


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.361 min Scan# 2446
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27



Tgt Ion:188 Resp: 128814
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0#
80 4.5 6.8 10.2#

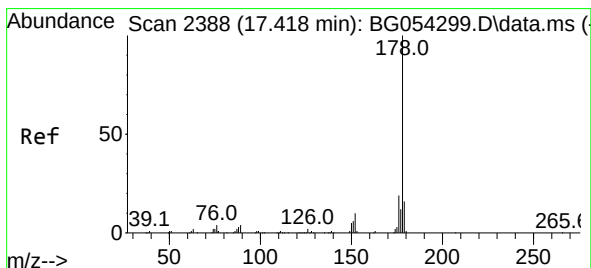
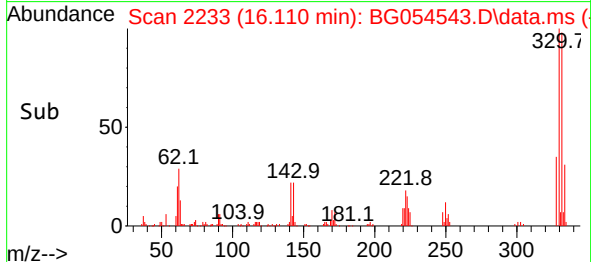
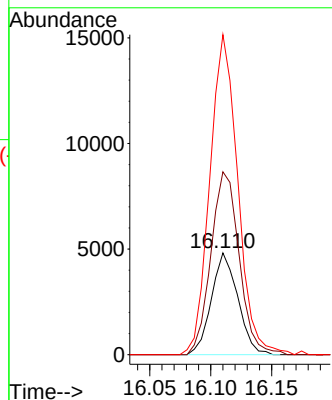
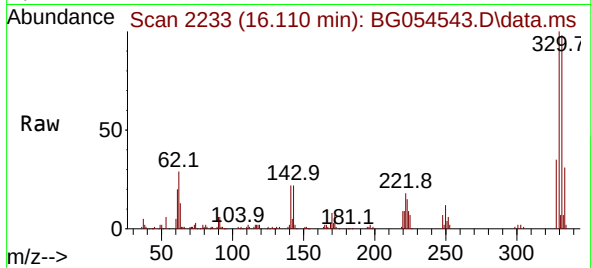




#67
4-Bromophenyl-phenylether
Concen: 4.022 ng
RT: 16.110 min Scan# 21
Delta R.T. -0.445 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

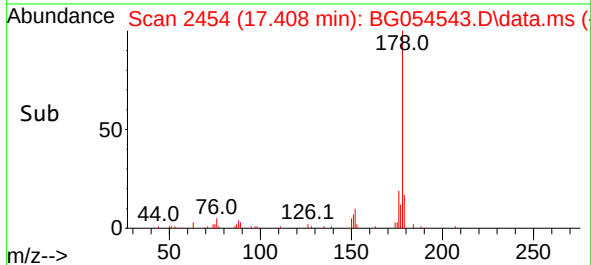
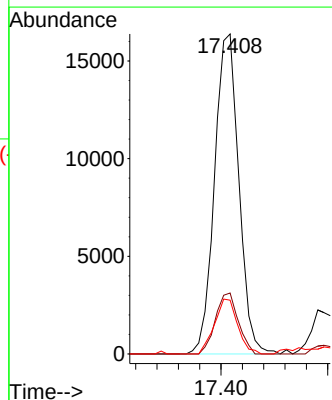
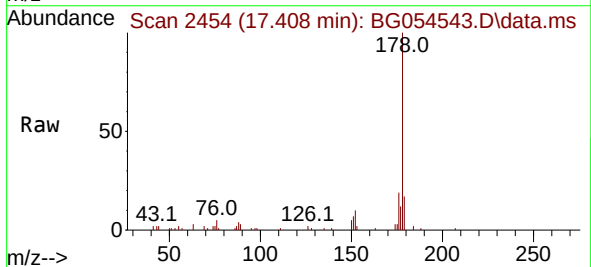
Instrument :
BNA_G
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RVE-217

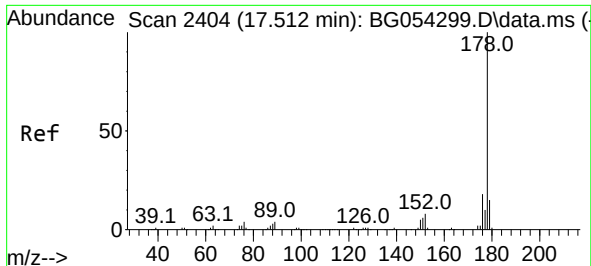
Tgt Ion:248 Resp: 7277
Ion Ratio Lower Upper
248 100
250 179.6 75.2 112.8#
141 314.5 50.0 75.0#



#71
Phenanthrene
Concen: 4.035 ng
RT: 17.408 min Scan# 2454
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Tgt Ion:178 Resp: 25887
Ion Ratio Lower Upper
178 100
176 19.1 14.1 21.1
179 16.8 12.1 18.1

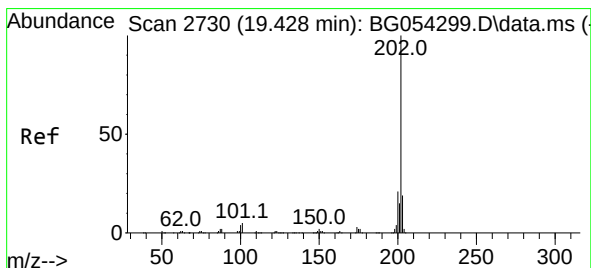
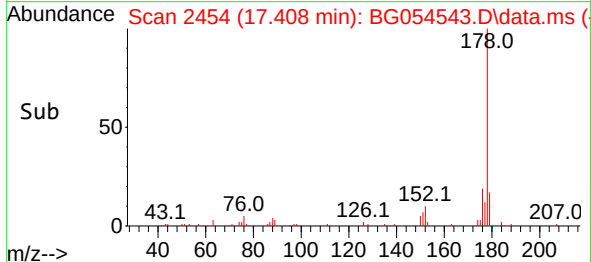
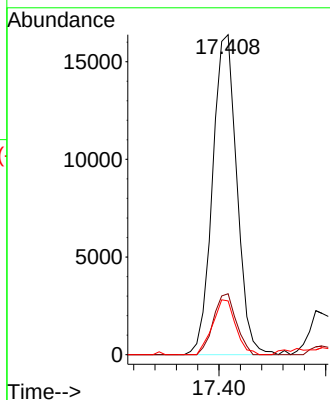
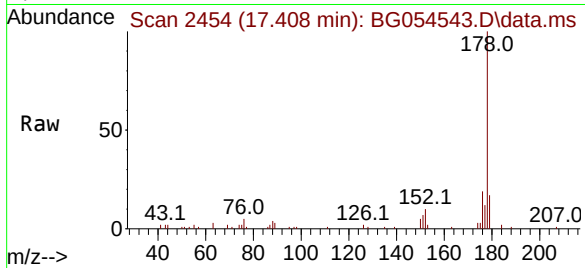




#72
 Anthracene
 Concen: 4.112 ng
 RT: 17.408 min Scan# 24
 Delta R.T. -0.092 min
 Lab File: BG054543.D
 Acq: 5 Aug 2022 20:27

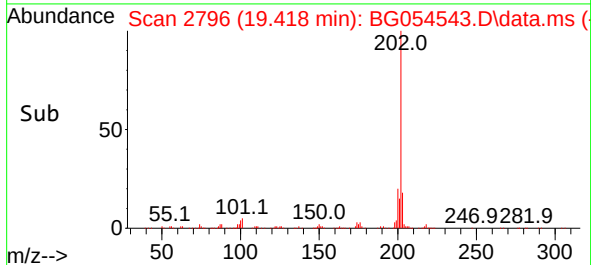
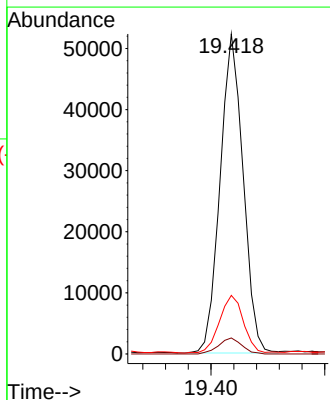
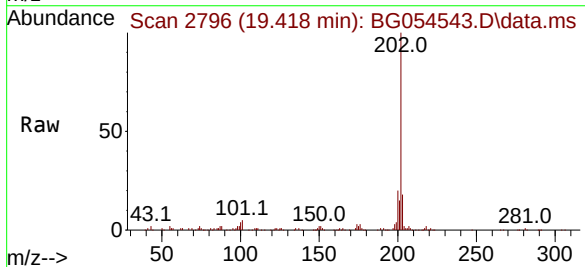
Instrument :
 BNA_G
 ClientSampleId :
 RVE-217

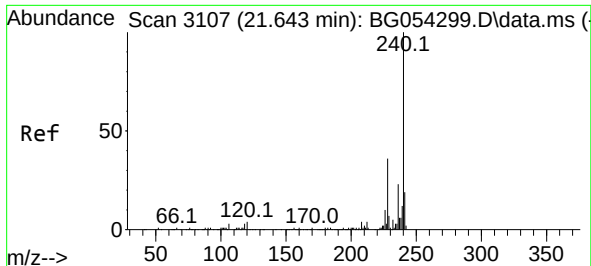
Tgt Ion:178 Resp: 25887
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.2 22.8
 179 16.8 13.0 19.4



#75
 Fluoranthene
 Concen: 8.381 ng
 RT: 19.418 min Scan# 2796
 Delta R.T. -0.004 min
 Lab File: BG054543.D
 Acq: 5 Aug 2022 20:27

Tgt Ion:202 Resp: 73291
 Ion Ratio Lower Upper
 202 100
 101 5.0 0.0 26.9
 203 18.3 0.0 37.2

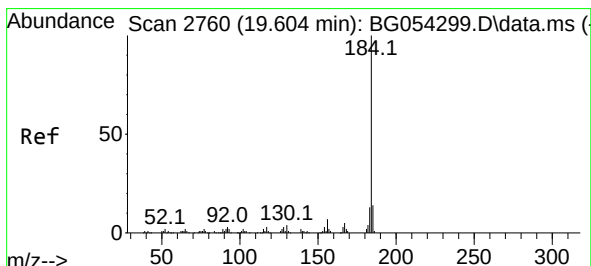
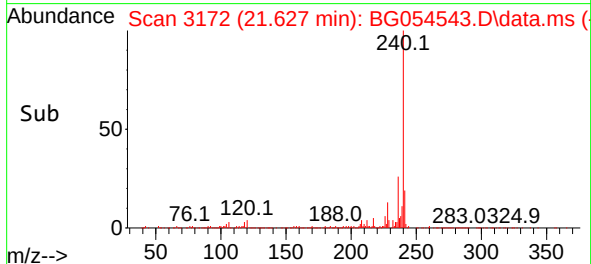
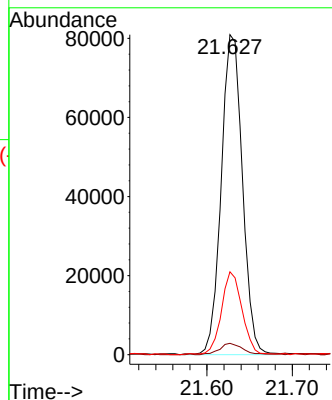
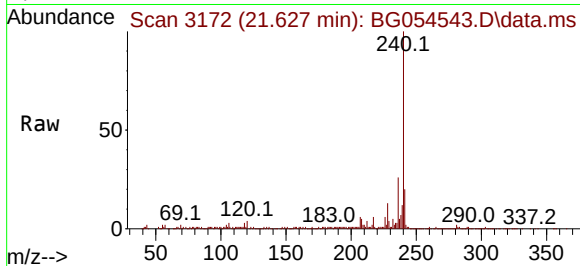




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

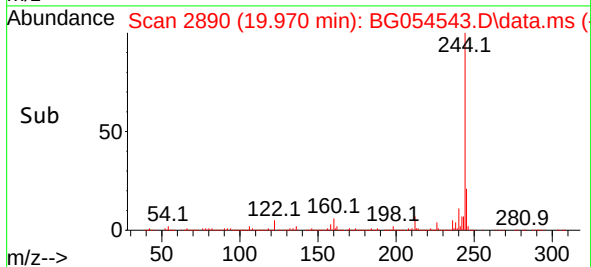
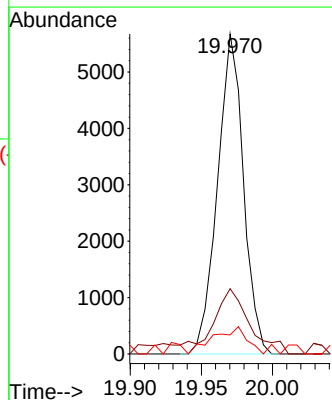
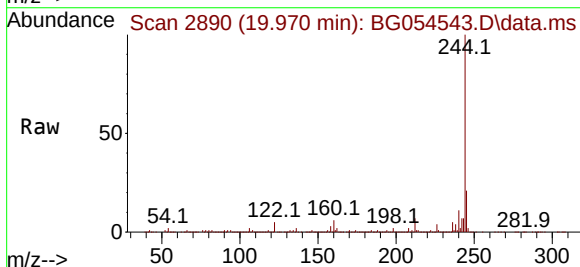
Instrument :
BNA_G
ClientSampleId :
RVE-217

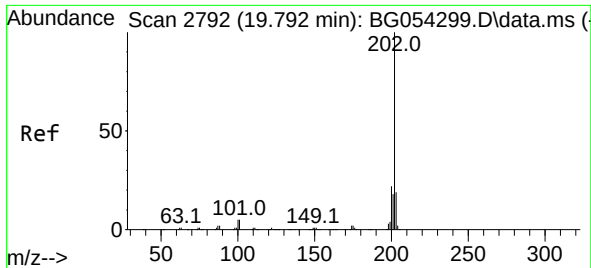
Tgt Ion:240 Resp: 139801
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 25.9 20.2 30.4



#77
Benzidine
Concen: 2.843 ng
RT: 19.970 min Scan# 2890
Delta R.T. 0.372 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Tgt Ion:184 Resp: 7198
Ion Ratio Lower Upper
184 100
185 20.4 11.8 17.6#
183 6.0 8.9 13.3#

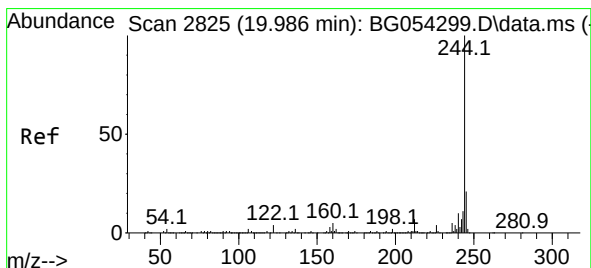
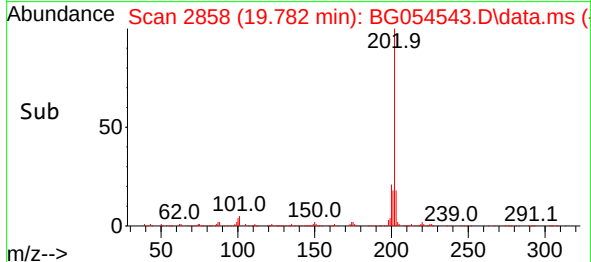
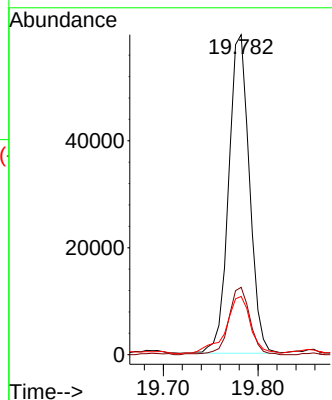
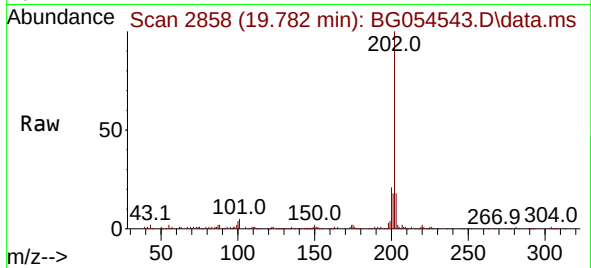




#78
Pyrene
Concen: 11.296 ng
RT: 19.782 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

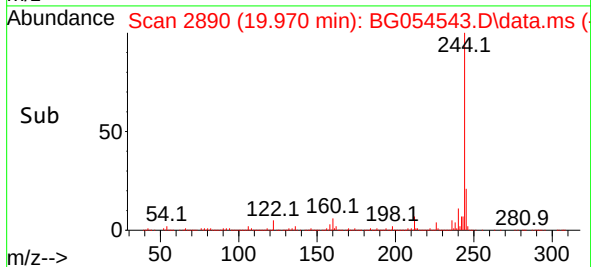
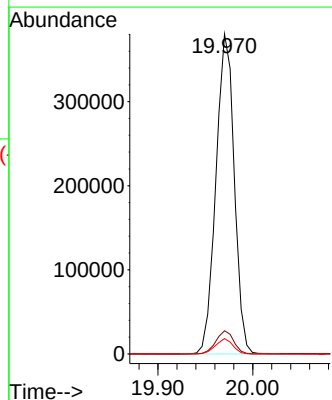
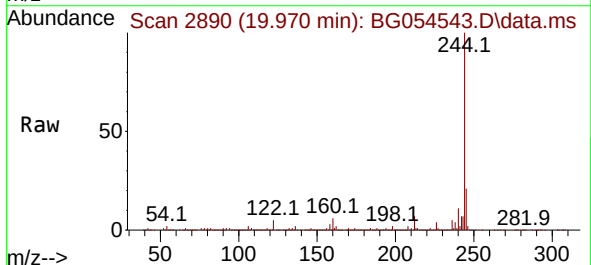
Instrument :
BNA_G
ClientSampleId :
RVE-217

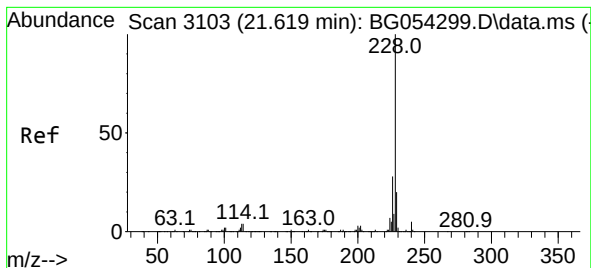
Tgt Ion:202 Resp: 90616
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 18.2 14.6 21.8



#79
Terphenyl-d14
Concen: 72.519 ng
RT: 19.970 min Scan# 2890
Delta R.T. -0.010 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Tgt Ion:244 Resp: 511048
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 4.8 5.0 7.4#





#81

Benzo(a)anthracene

Concen: 5.997 ng

RT: 21.609 min Scan# 3103

Delta R.T. -0.004 min

Lab File: BG054543.D

Acq: 5 Aug 2022 20:27

Instrument :

BNA_G

ClientSampleId :

RVE-217

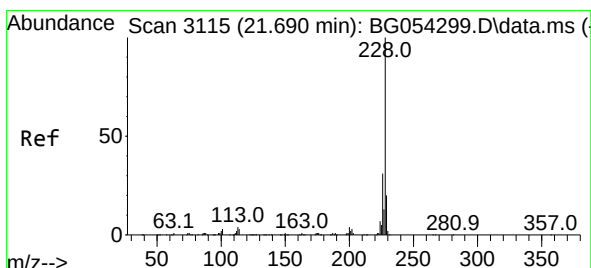
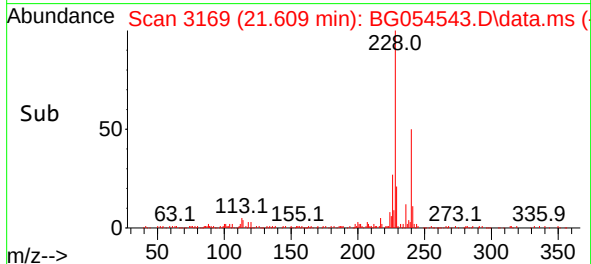
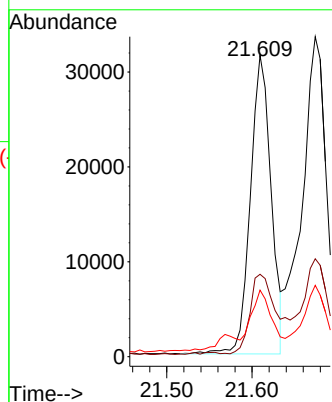
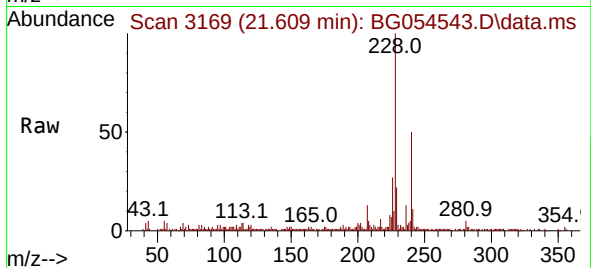
Tgt Ion:228 Resp: 53220

Ion Ratio Lower Upper

228 100

226 27.3 21.6 32.4

229 22.1 16.2 24.2



#83

Chrysene

Concen: 7.719 ng

RT: 21.674 min Scan# 3180

Delta R.T. -0.010 min

Lab File: BG054543.D

Acq: 5 Aug 2022 20:27

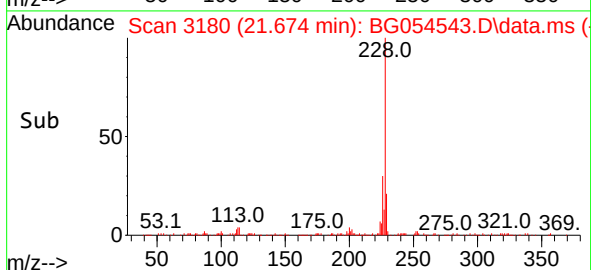
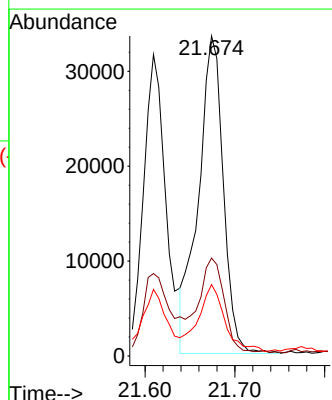
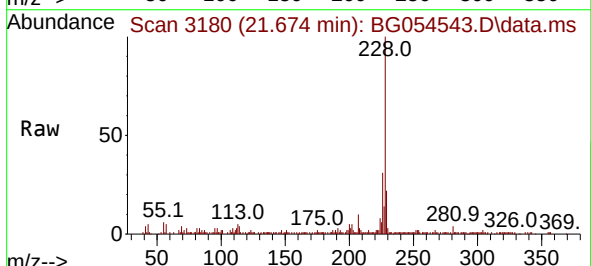
Tgt Ion:228 Resp: 64716

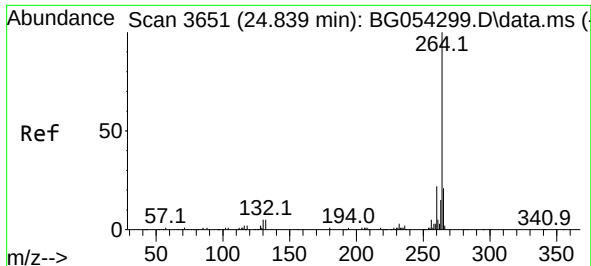
Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 22.3 15.5 23.3

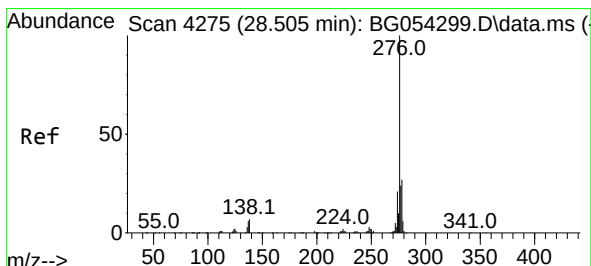
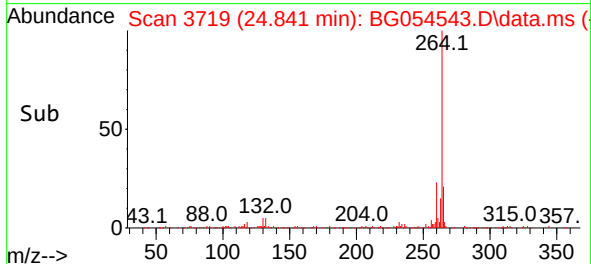
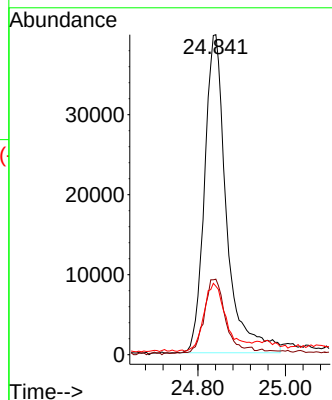
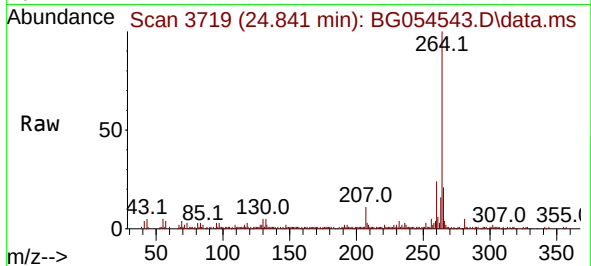




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.841 min Scan# 31
 Delta R.T. 0.008 min
 Lab File: BG054543.D
 Acq: 5 Aug 2022 20:27

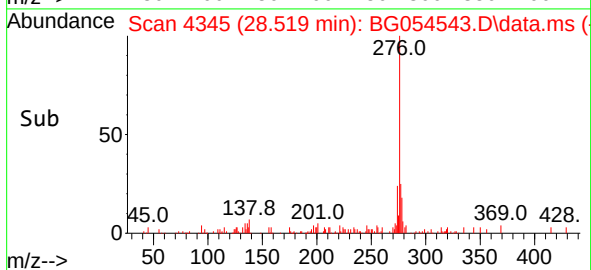
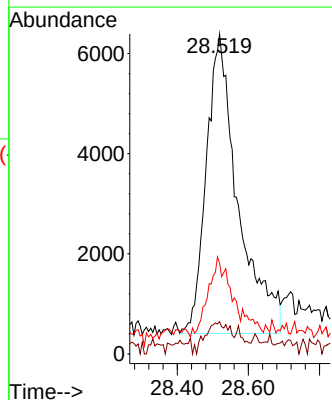
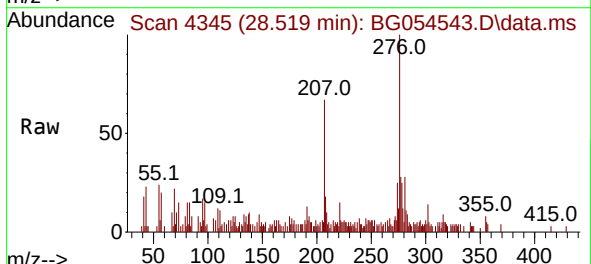
Instrument :
 BNA_G
 ClientSampleId :
 RVE-217

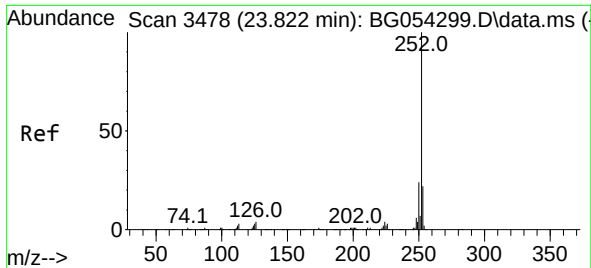
Tgt Ion:264 Resp: 138821
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 21.4 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.510 ng
 RT: 28.519 min Scan# 4345
 Delta R.T. 0.002 min
 Lab File: BG054543.D
 Acq: 5 Aug 2022 20:27

Tgt Ion:276 Resp: 37065
 Ion Ratio Lower Upper
 276 100
 138 5.9 5.0 7.4
 277 18.7 20.3 30.5#

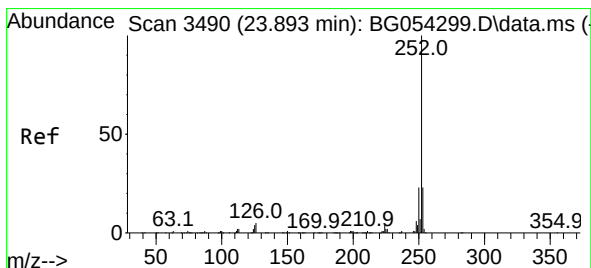
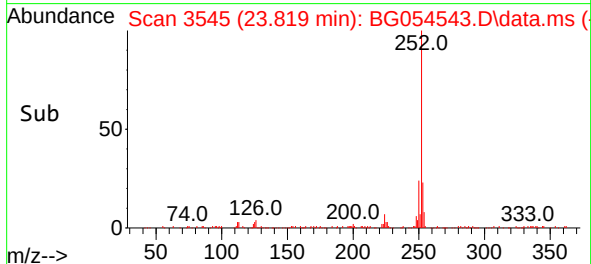
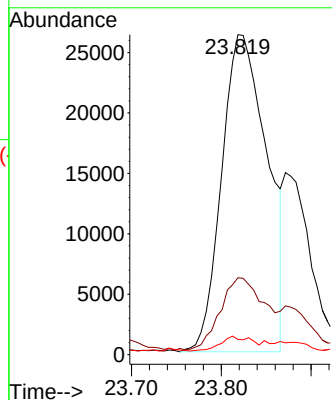
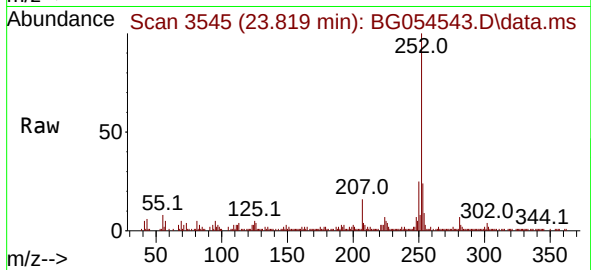




#88
Benzo(b)fluoranthene
Concen: 11.241 ng
RT: 23.819 min Scan# 3545
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

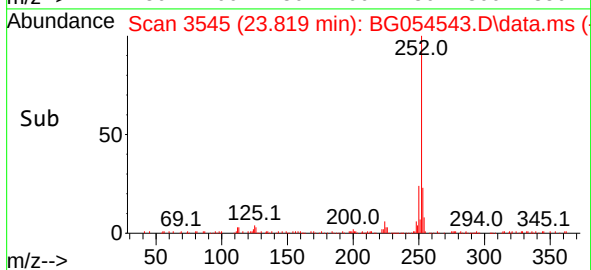
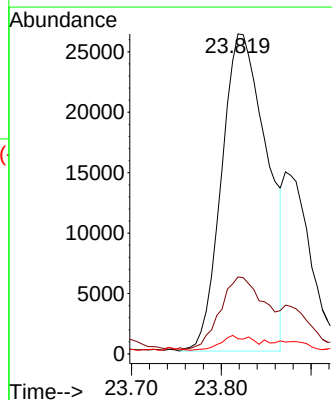
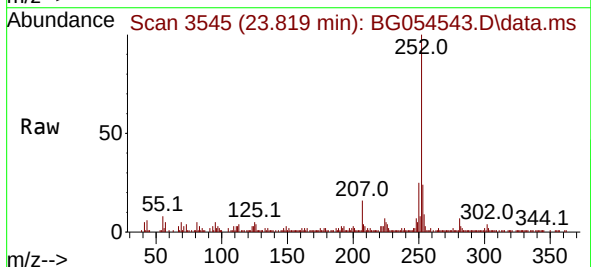
Instrument :
BNA_G
ClientSampleId :
RVE-217

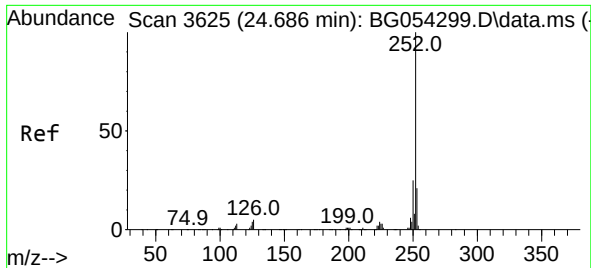
Tgt Ion:252 Resp: 92285
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 4.7 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 11.295 ng
RT: 23.819 min Scan# 3545
Delta R.T. -0.069 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Tgt Ion:252 Resp: 92285
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 4.7 4.8 7.2#

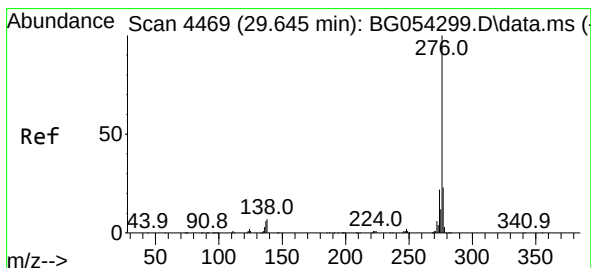
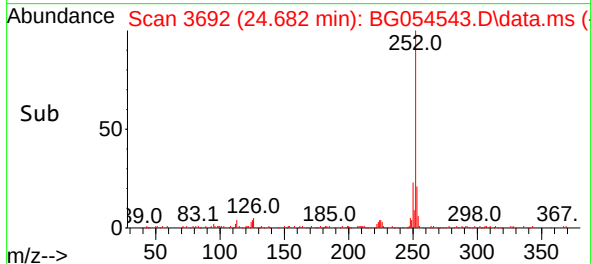
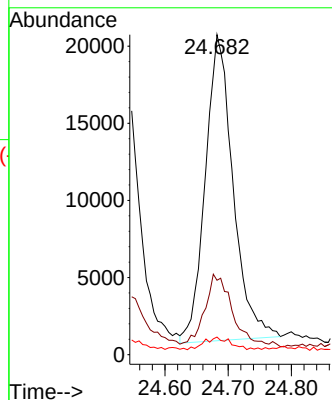
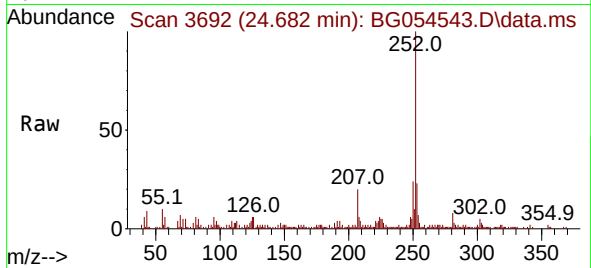




#90
Benzo(a)pyrene
Concen: 8.628 ng
RT: 24.682 min Scan# 30
Delta R.T. -0.004 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Instrument :
BNA_G
ClientSampleId :
RVE-217

Tgt Ion:252 Resp: 60491
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 5.5 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 4.211 ng
RT: 29.665 min Scan# 4540
Delta R.T. 0.002 min
Lab File: BG054543.D
Acq: 5 Aug 2022 20:27

Tgt Ion:276 Resp: 36091
Ion Ratio Lower Upper
276 100
277 25.5 17.3 25.9
138 11.0 9.6 14.4

