

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054559.D
 Acq On : 8 Aug 2022 19:00
 Operator : CG/JU
 Sample : N3960-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-149

Quant Time: Aug 09 01:56:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

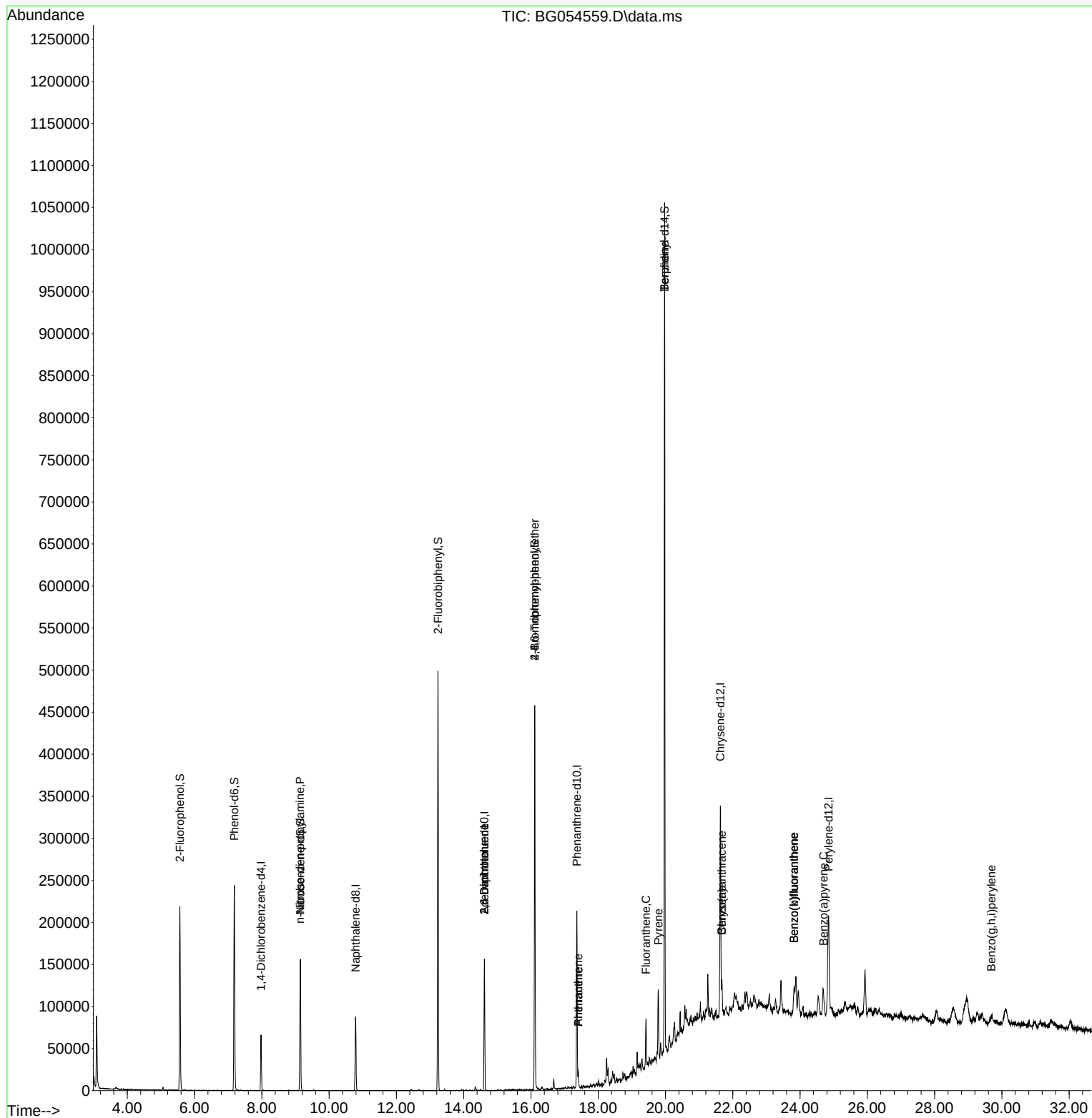
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	20566	20.000	ng	0.00
21) Naphthalene-d8	10.790	136	81280	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	62109	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	148684	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	160497	20.000	ng	# 0.00
86) Perylene-d12	24.850	264	168445	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	103961	105.542	ng	0.00
7) Phenol-d6	7.182	99	141624	104.929	ng	0.00
23) Nitrobenzene-d5	9.145	82	95672	64.100	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	120119	92.112	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	289671	65.794	ng	0.00
79) Terphenyl-d14	19.973	244	566646	70.040	ng	0.00
Target Compounds						
9) Benzaldehyde	7.177	77	72	Below Cal		Qvalue # 10
19) n-Nitroso-di-n-propyla...	9.139	70	13791	15.301	ng	# 83
51) 2,6-Dinitrotoluene	14.615	165	8588	8.071	ng	# 16
57) 2,4-Dinitrotoluene	14.615	165	8588	5.630	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	7171	3.434	ng	# 1
71) Phenanthrene	17.406	178	14958	2.020	ng	# 96
72) Anthracene	17.406	178	14958	2.059	ng	95
75) Fluoranthene	19.421	202	37605	3.726	ng	96
77) Benzidine	19.973	184	7589	2.611	ng	# 94
78) Pyrene	19.785	202	58367	6.338	ng	99
81) Benzo(a)anthracene	21.677	228	35464	3.481	ng	94
83) Chrysene	21.677	228	35464	3.684	ng	96
88) Benzo(b)fluoranthene	23.822	252	58120	5.834	ng	96
89) Benzo(k)fluoranthene	23.822	252	58120	5.862	ng	97
90) Benzo(a)pyrene	24.697	252	36222	4.258	ng	# 96
92) Benzo(g,h,i)perylene	29.686	276	25338	2.436	ng	# 85

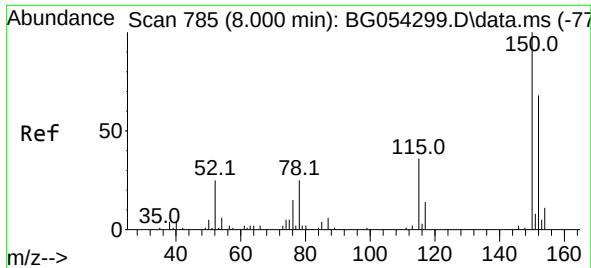
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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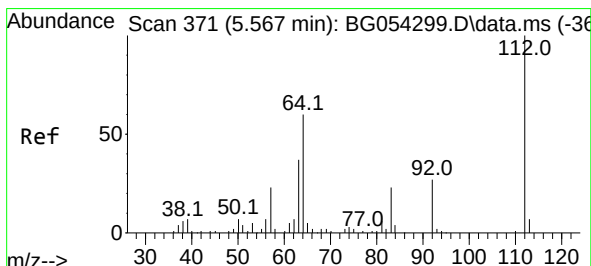
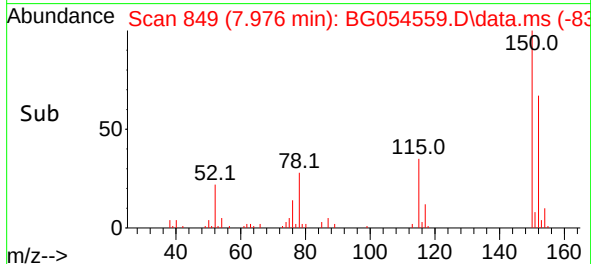
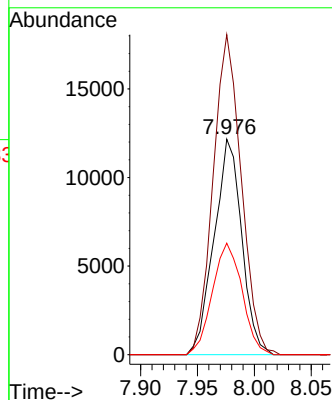
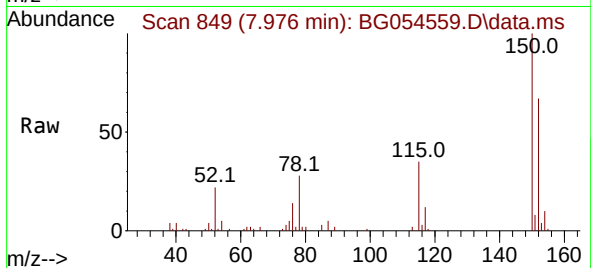




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.976 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

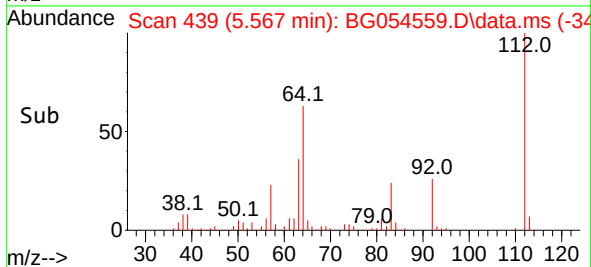
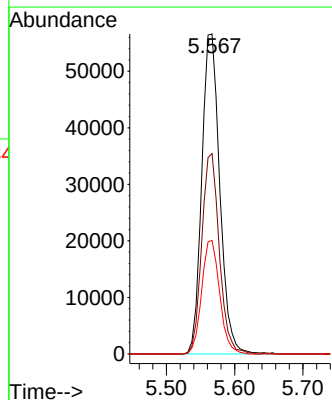
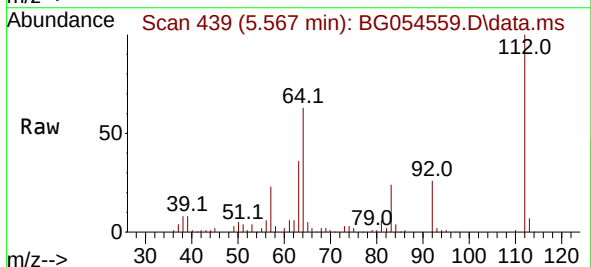
Instrument :
BNA_G
ClientSampleId :
RVE-149

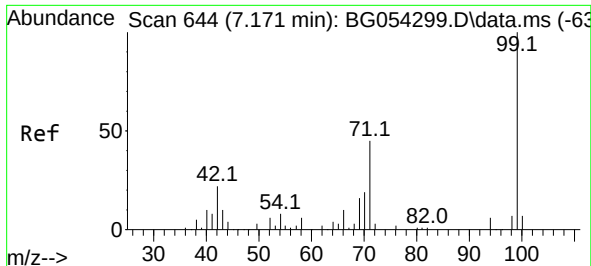
Tgt Ion:152 Resp: 20566
Ion Ratio Lower Upper
152 100
150 148.5 131.6 197.4
115 51.7 50.9 76.3



#5
2-Fluorophenol
Concen: 105.542 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.003 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

Tgt Ion:112 Resp: 103961
Ion Ratio Lower Upper
112 100
64 62.6 55.1 82.7
63 35.5 30.4 45.6

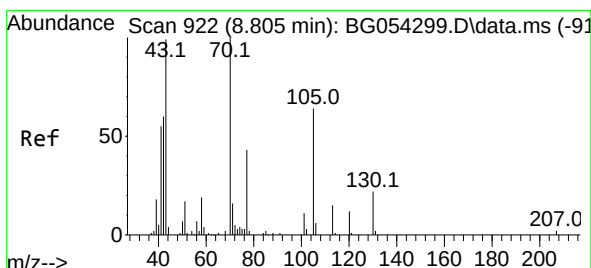
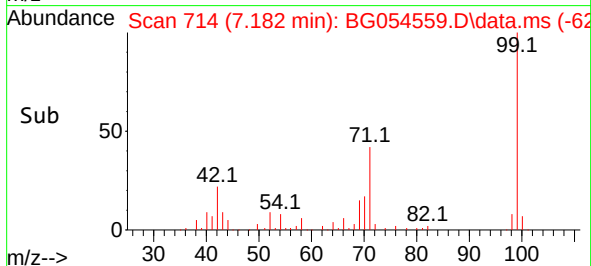
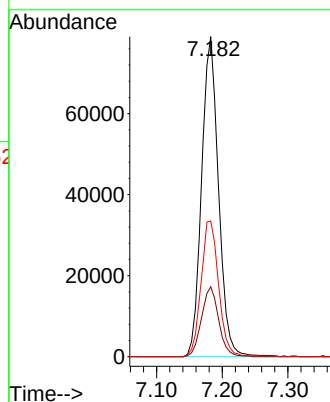
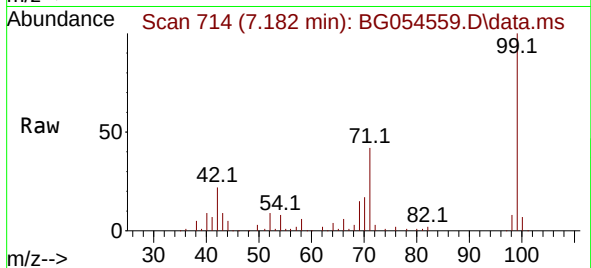




#7
Phenol-d6
Concen: 104.929 ng
RT: 7.182 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

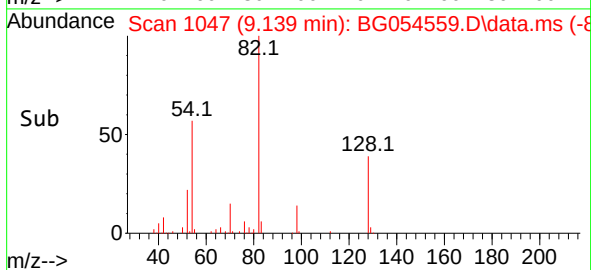
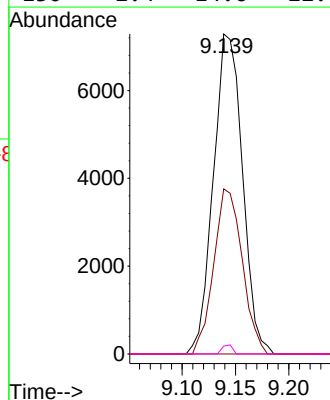
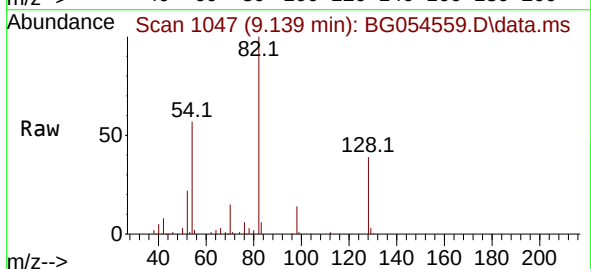
Instrument :
BNA_G
ClientSampleId :
RVE-149

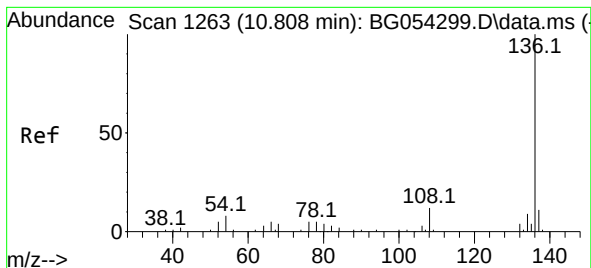
Tgt Ion: 99 Resp: 141624
Ion Ratio Lower Upper
99 100
42 21.9 17.0 25.6
71 42.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.301 ng
RT: 9.139 min Scan# 1047
Delta R.T. 0.356 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

Tgt Ion: 70 Resp: 13791
Ion Ratio Lower Upper
70 100
42 51.6 47.3 70.9
101 0.0 7.0 10.4#
130 2.4 14.6 22.0#

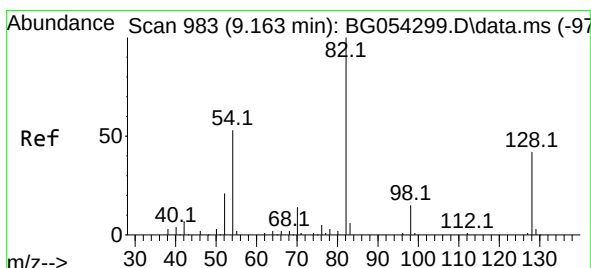
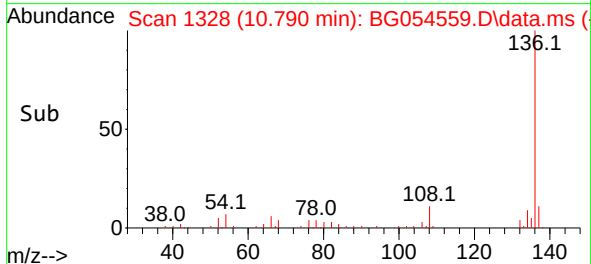
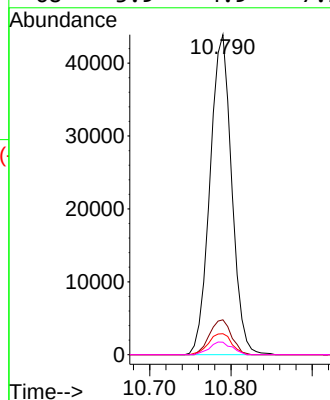
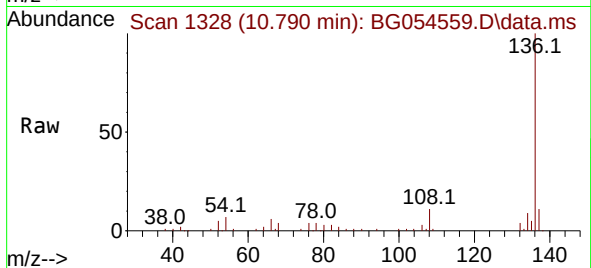




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.790 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

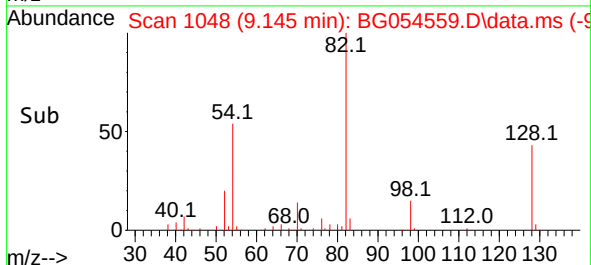
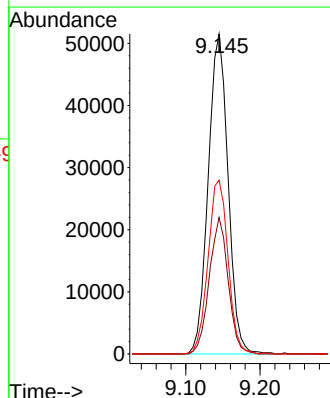
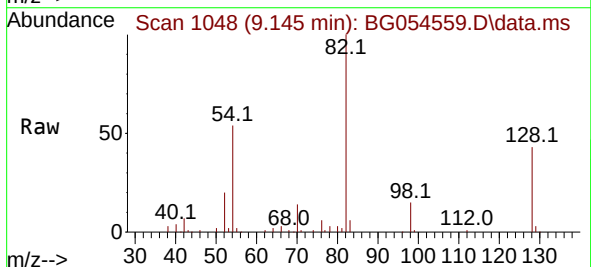
Instrument :
BNA_G
ClientSampleId :
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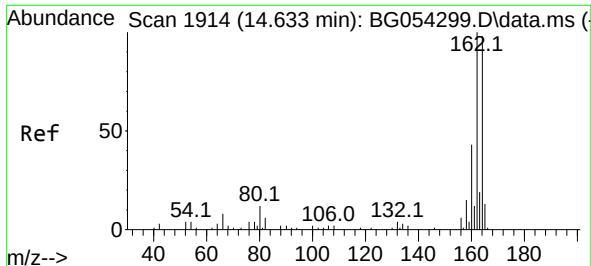
Tgt Ion:	136	Resp:	81280
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.6	7.4	11.2#
68	3.9	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 64.100 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.003 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

Tgt Ion:	82	Resp:	95672
Ion	Ratio	Lower	Upper
82	100		
128	42.6	27.9	41.9#
54	54.3	41.2	61.8

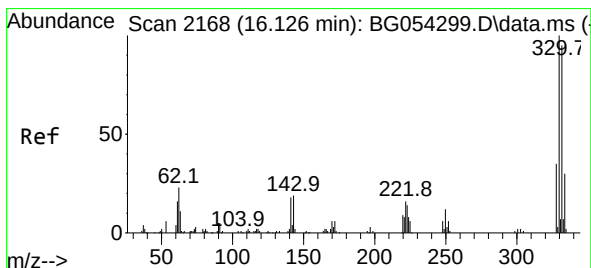
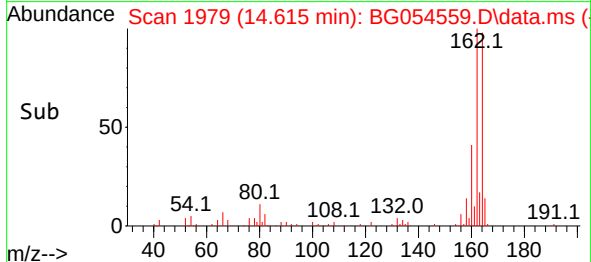
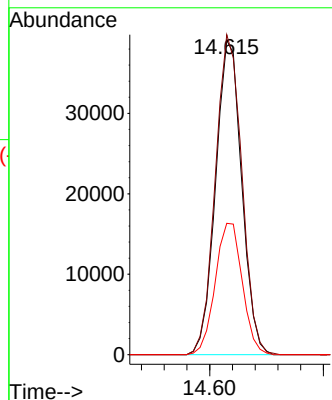
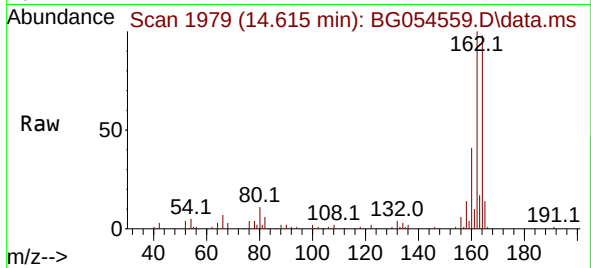




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1914
Delta R.T. -0.003 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

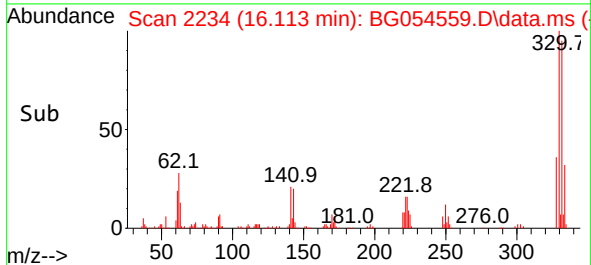
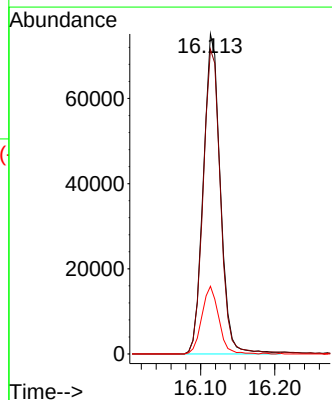
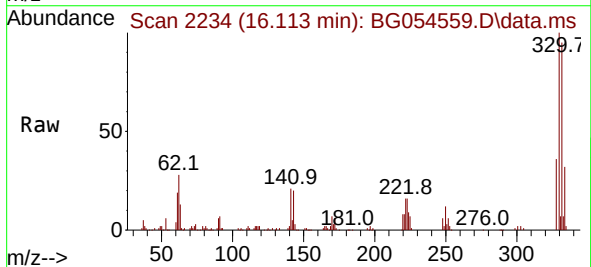
Instrument :
BNA_G
ClientSampleId :
RVE-149

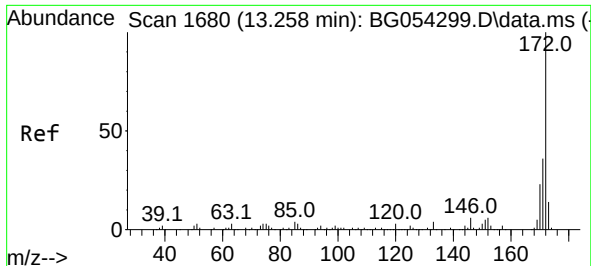
Tgt Ion:164 Resp: 62109
Ion Ratio Lower Upper
164 100
162 101.8 82.3 123.5
160 41.8 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 92.112 ng
RT: 16.113 min Scan# 2234
Delta R.T. -0.003 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

Tgt Ion:330 Resp: 120119
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 21.0 27.1 40.7#

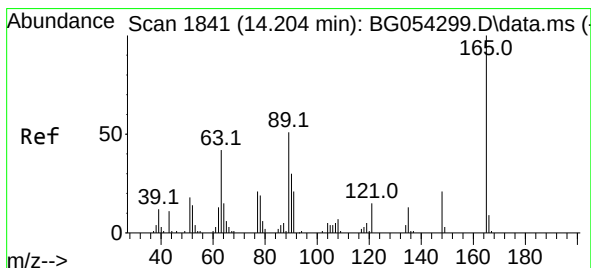
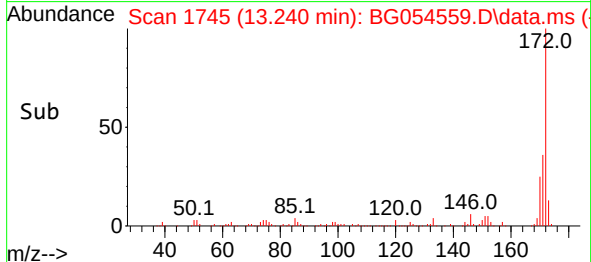
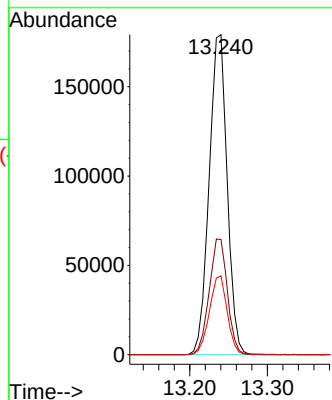
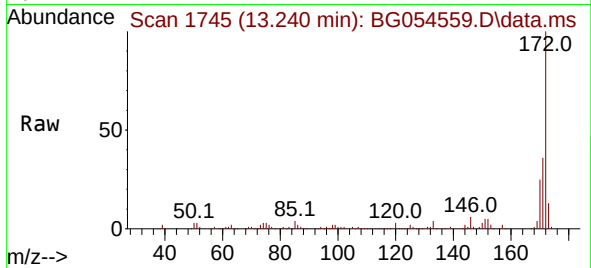




#45
2-Fluorobiphenyl
Concen: 65.794 ng
RT: 13.240 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

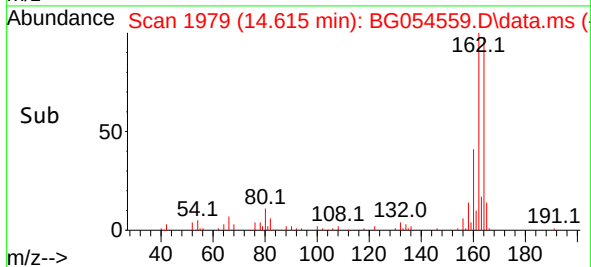
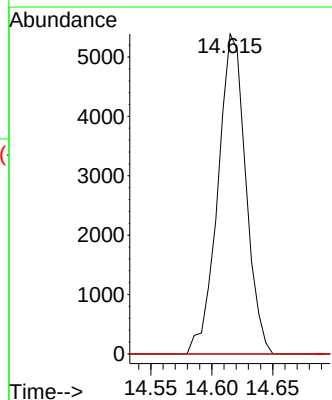
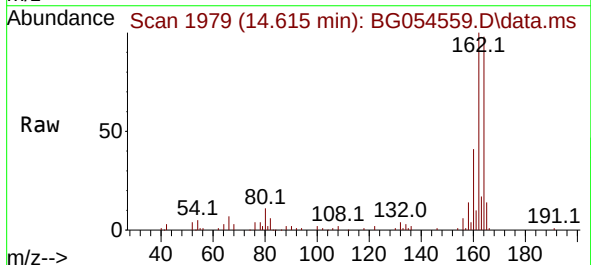
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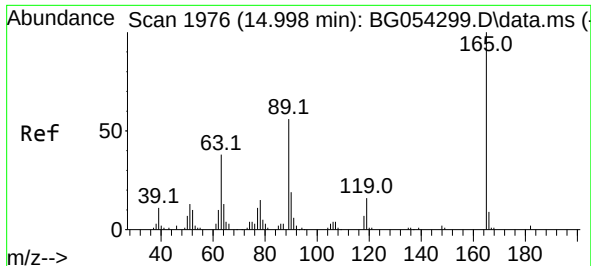
Tgt Ion:172 Resp: 289671
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 24.6 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.071 ng
RT: 14.615 min Scan# 1979
Delta R.T. 0.421 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

Tgt Ion:165 Resp: 8588
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

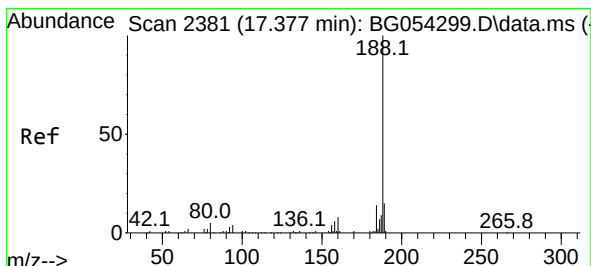
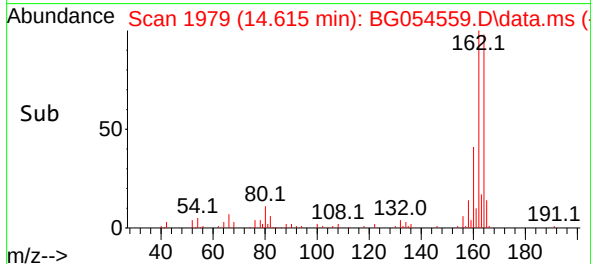
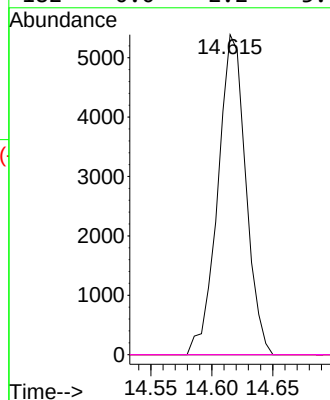
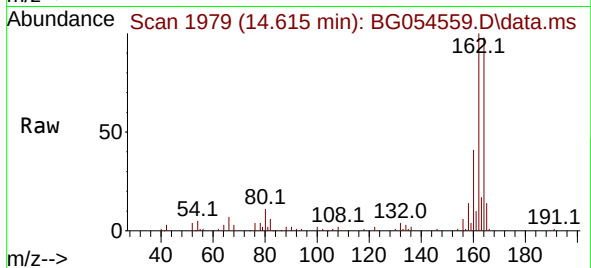




#57
 2,4-Dinitrotoluene
 Concen: 5.630 ng
 RT: 14.615 min Scan# 1979
 Delta R.T. -0.379 min
 Lab File: BG054559.D
 Acq: 8 Aug 2022 19:00

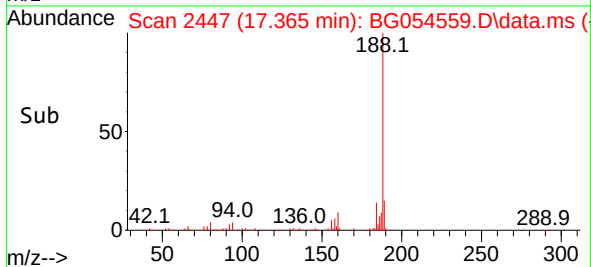
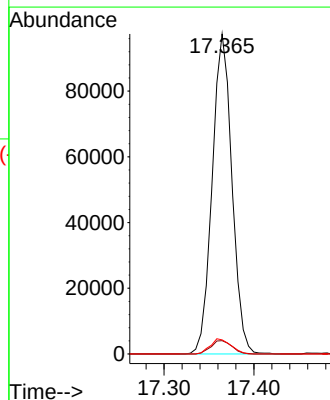
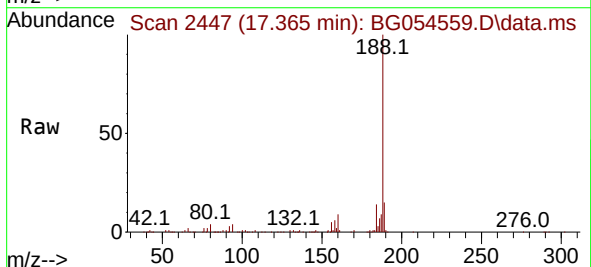
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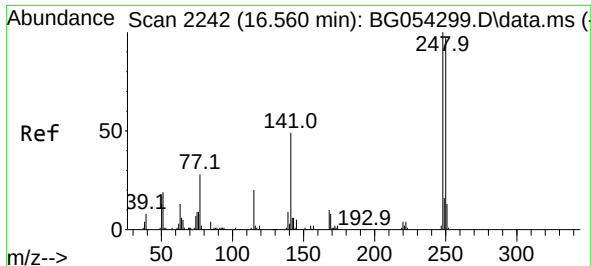
Tgt Ion:165 Resp: 8588
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.6 52.0#
 89 0.0 60.3 90.5#
 182 0.0 2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.365 min Scan# 2447
 Delta R.T. 0.003 min
 Lab File: BG054559.D
 Acq: 8 Aug 2022 19:00

Tgt Ion:188 Resp: 148684
 Ion Ratio Lower Upper
 188 100
 94 4.2 5.4 8.0#
 80 4.4 6.8 10.2#

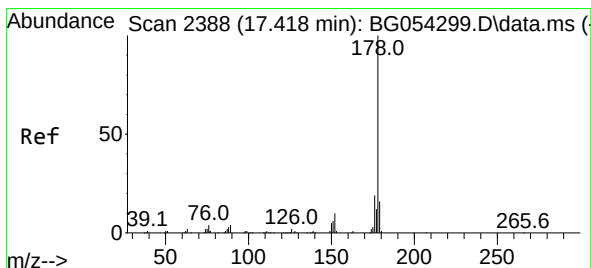
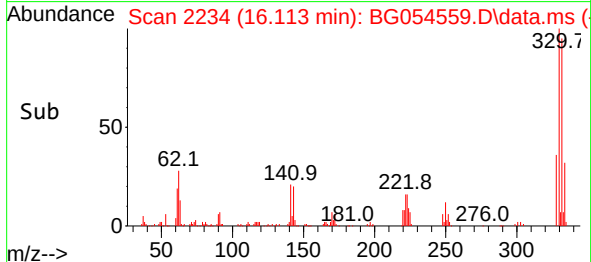
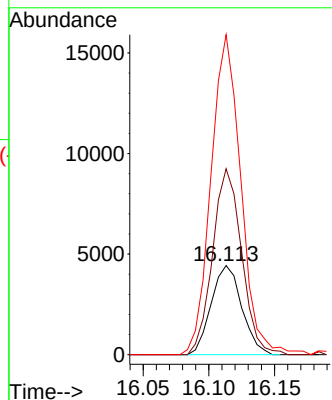
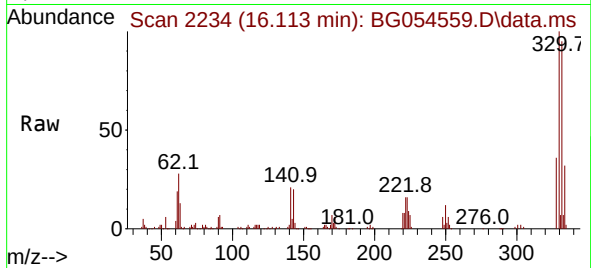




#67
4-Bromophenyl-phenylether
Concen: 3.434 ng
RT: 16.113 min Scan# 21
Delta R.T. -0.431 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

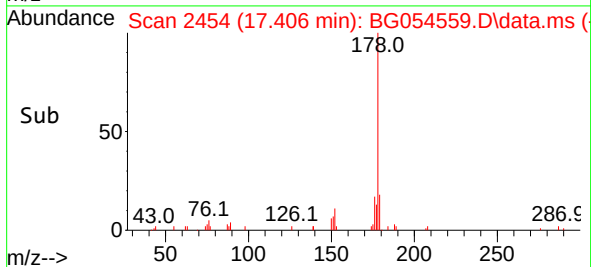
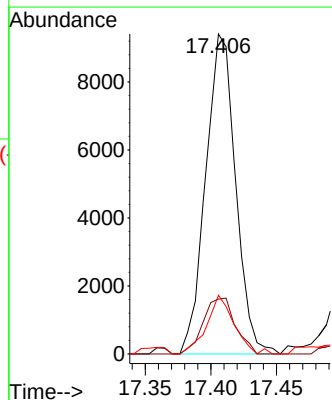
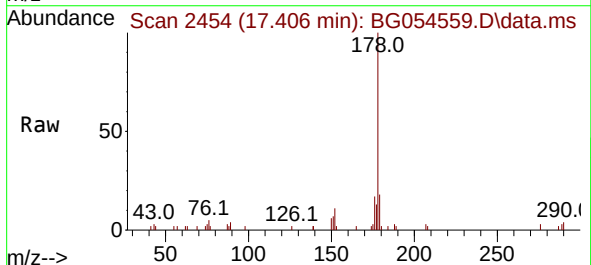
Instrument :
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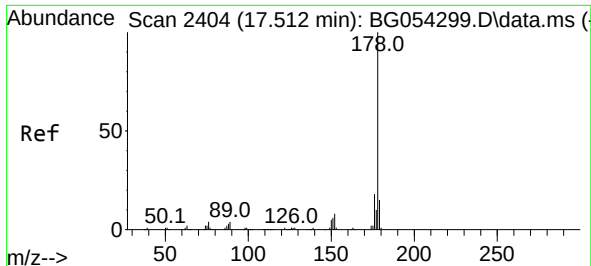
Tgt Ion:248 Resp: 7171
Ion Ratio Lower Upper
248 100
250 266.9 75.2 112.8#
141 359.2 50.0 75.0#



#71
Phenanthrene
Concen: 2.020 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.003 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

Tgt Ion:178 Resp: 14958
Ion Ratio Lower Upper
178 100
176 17.2 14.1 21.1
179 18.4 12.1 18.1#

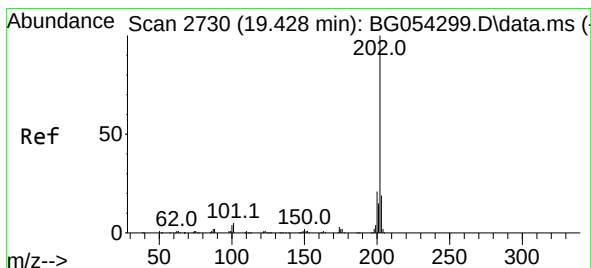
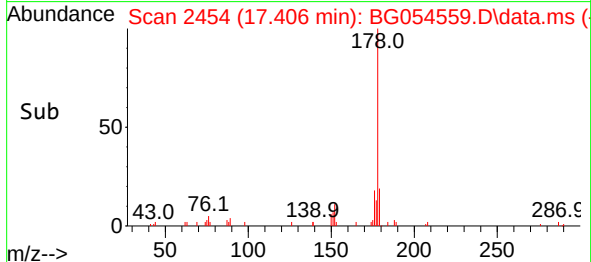
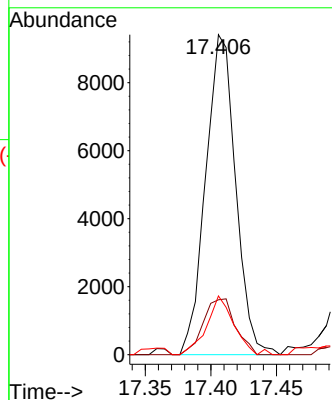
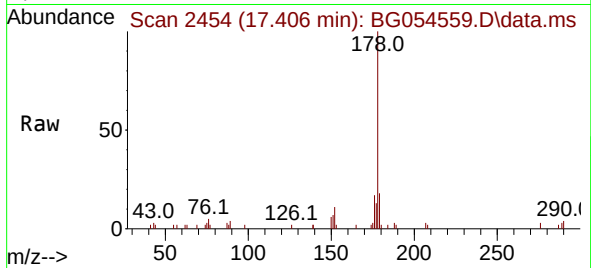




#72
 Anthracene
 Concen: 2.059 ng
 RT: 17.406 min Scan# 24
 Delta R.T. -0.091 min
 Lab File: BG054559.D
 Acq: 8 Aug 2022 19:00

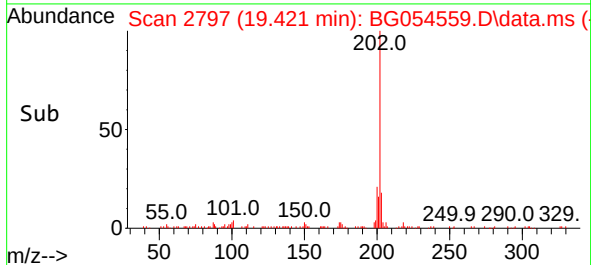
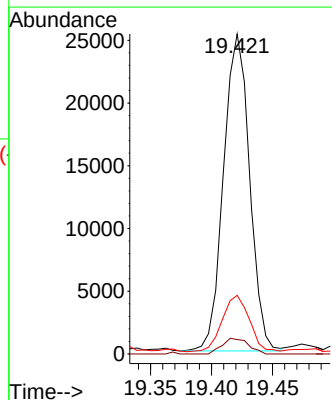
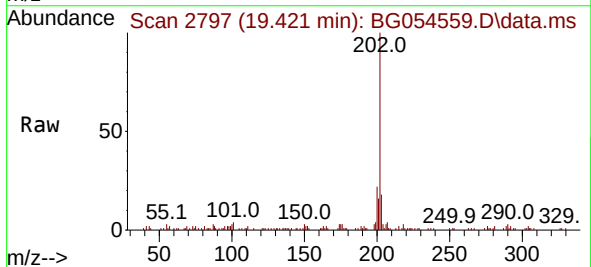
Instrument :
 BNA_G
 ClientSampleId :
 RVE-149

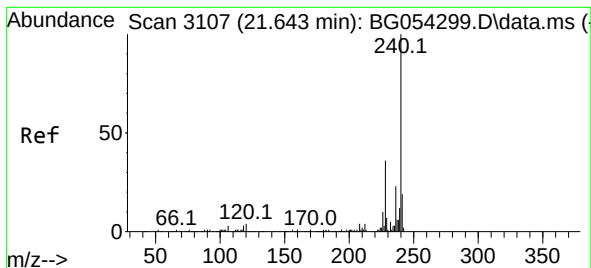
Tgt Ion:178 Resp: 14958
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.2 22.8
 179 18.4 13.0 19.4



#75
 Fluoranthene
 Concen: 3.726 ng
 RT: 19.421 min Scan# 2797
 Delta R.T. 0.003 min
 Lab File: BG054559.D
 Acq: 8 Aug 2022 19:00

Tgt Ion:202 Resp: 37605
 Ion Ratio Lower Upper
 202 100
 101 4.5 0.0 26.9
 203 18.3 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.630 min Scan# 3107

Delta R.T. -0.003 min

Lab File: BG054559.D

Acq: 8 Aug 2022 19:00

Instrument :

BNA_G

ClientSampleId :

RVE-149

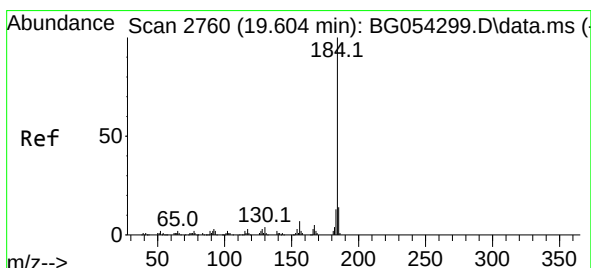
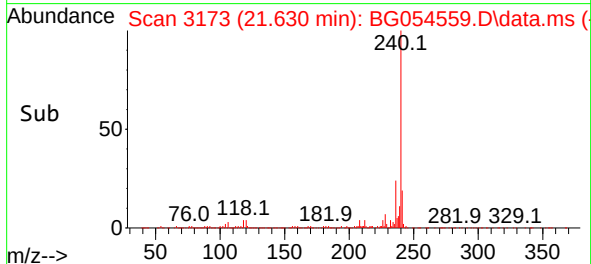
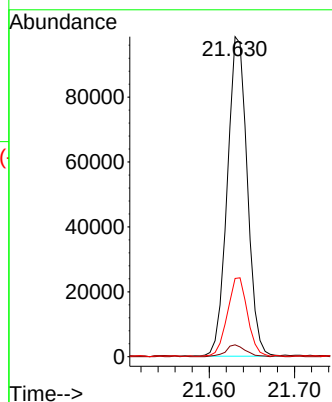
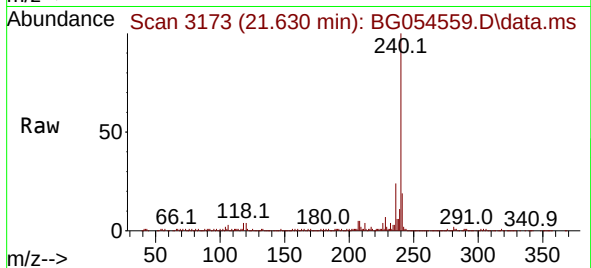
Tgt Ion:240 Resp: 160497

Ion Ratio Lower Upper

240 100

120 3.7 4.6 7.0#

236 24.4 20.2 30.4



#77

Benzidine

Concen: 2.611 ng

RT: 19.973 min Scan# 2891

Delta R.T. 0.379 min

Lab File: BG054559.D

Acq: 8 Aug 2022 19:00

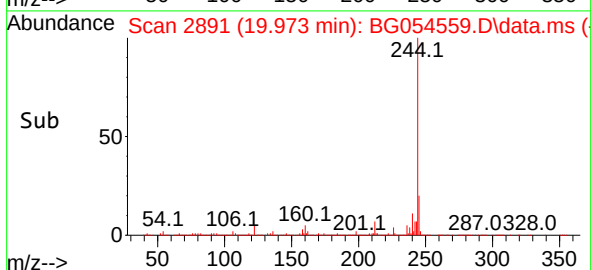
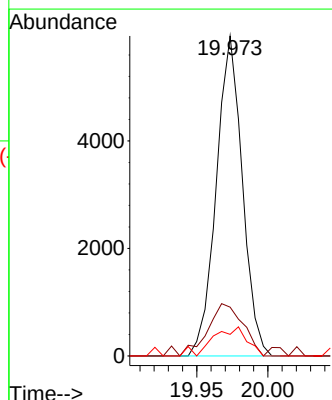
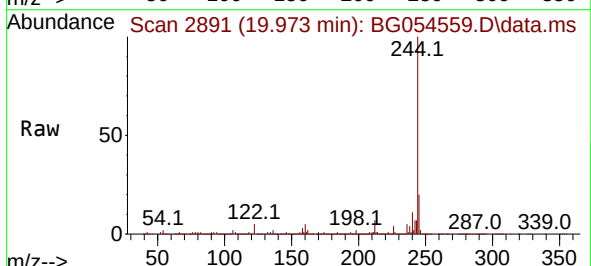
Tgt Ion:184 Resp: 7589

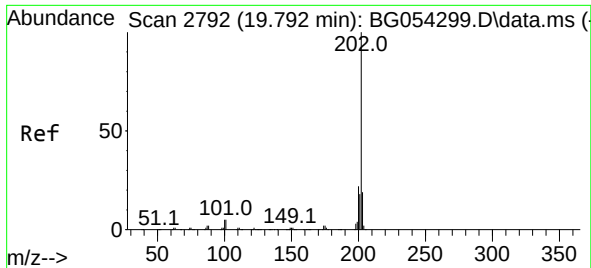
Ion Ratio Lower Upper

184 100

185 15.3 11.8 17.6

183 6.8 8.9 13.3#

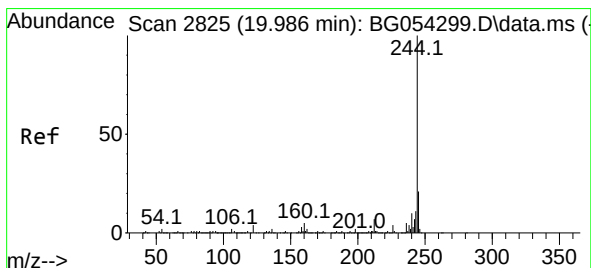
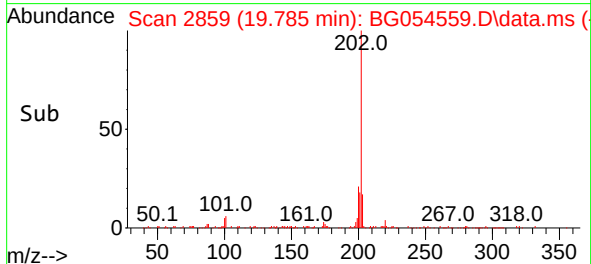
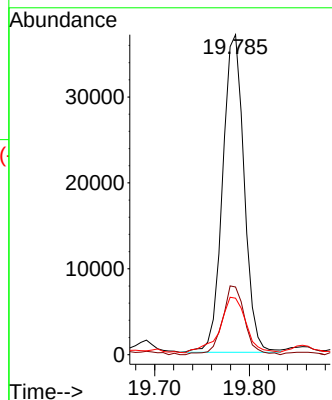
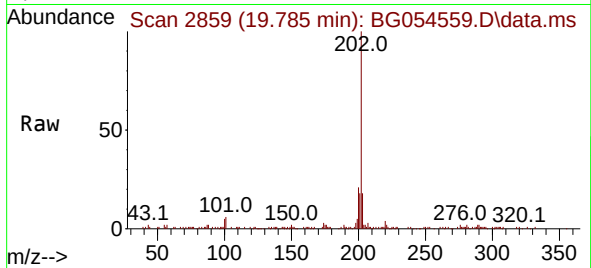




#78
 Pyrene
 Concen: 6.338 ng
 RT: 19.785 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG054559.D
 Acq: 8 Aug 2022 19:00

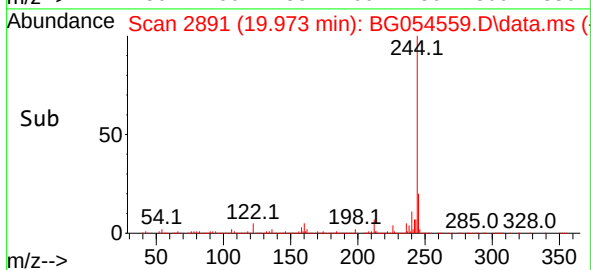
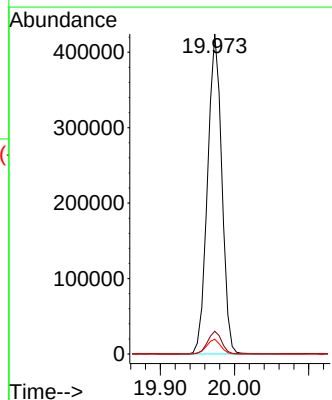
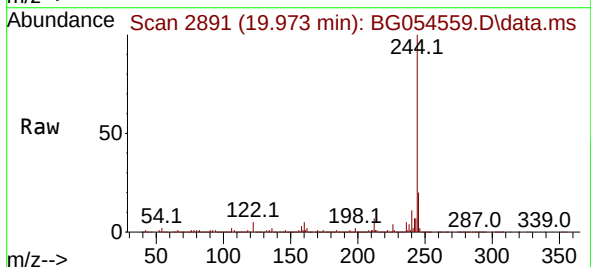
Instrument :
 BNA_G
 ClientSampleId :
 RVE-149

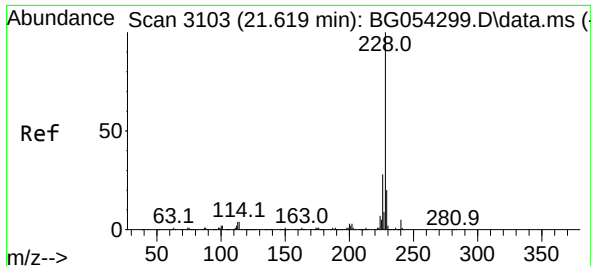
Tgt Ion:202 Resp: 58367
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.6 24.8
 203 17.7 14.6 21.8



#79
 Terphenyl-d14
 Concen: 70.040 ng
 RT: 19.973 min Scan# 2891
 Delta R.T. 0.003 min
 Lab File: BG054559.D
 Acq: 8 Aug 2022 19:00

Tgt Ion:244 Resp: 566646
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.6 5.0 7.4#

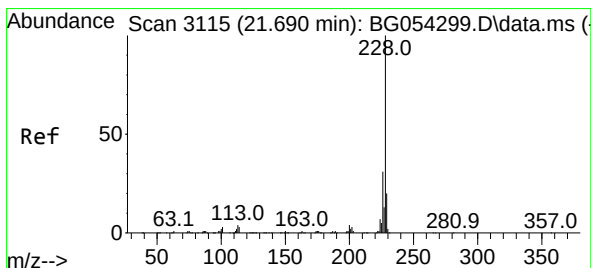
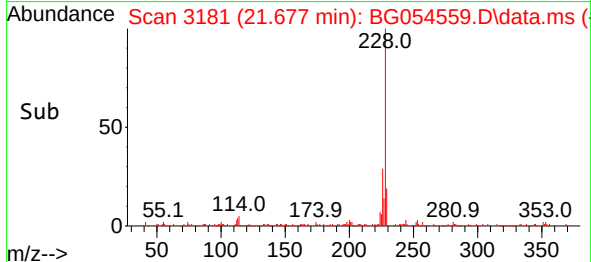
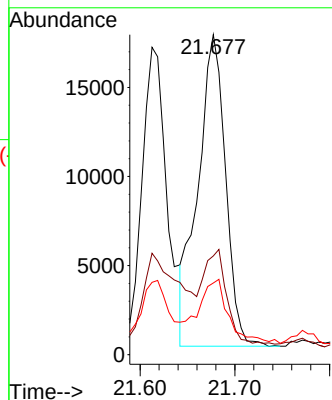
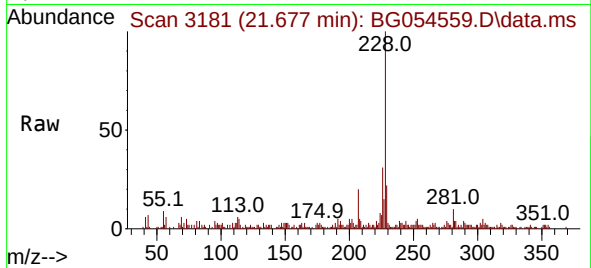




#81
Benzo(a)anthracene
Concen: 3.481 ng
RT: 21.677 min Scan# 3103
Delta R.T. 0.062 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

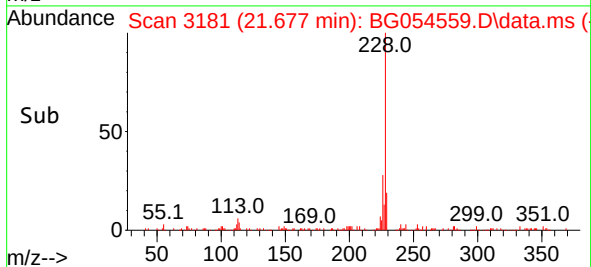
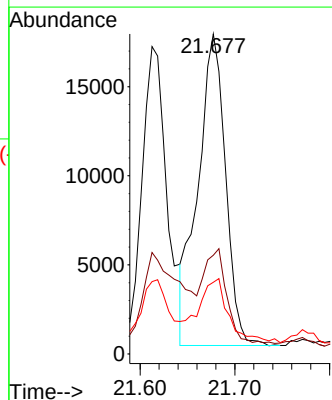
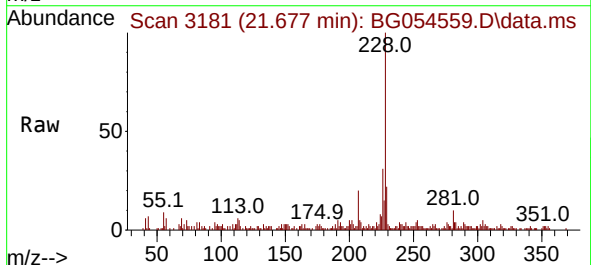
Instrument :
BNA_G
ClientSampleId :
RVE-149

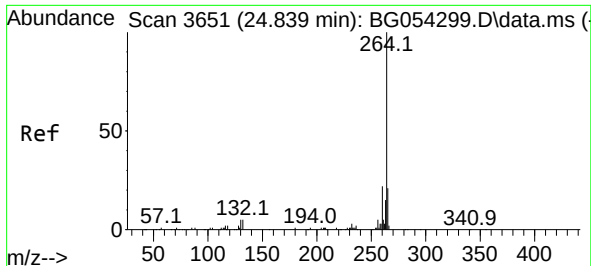
Tgt Ion:228 Resp: 35464
Ion Ratio Lower Upper
228 100
226 30.8 21.6 32.4
229 22.4 16.2 24.2



#83
Chrysene
Concen: 3.684 ng
RT: 21.677 min Scan# 3181
Delta R.T. -0.003 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

Tgt Ion:228 Resp: 35464
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.2
229 22.4 15.5 23.3

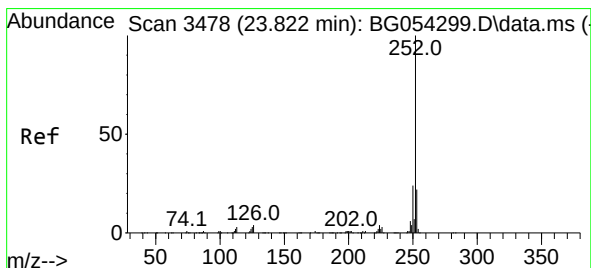
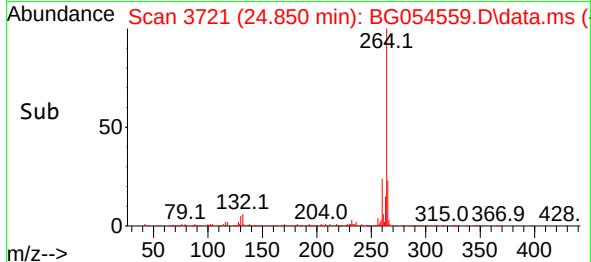
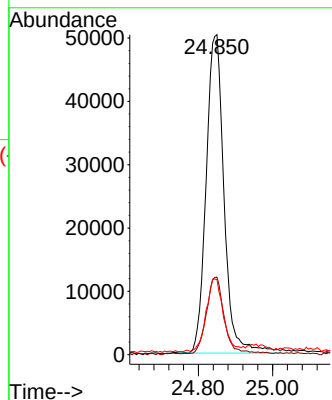
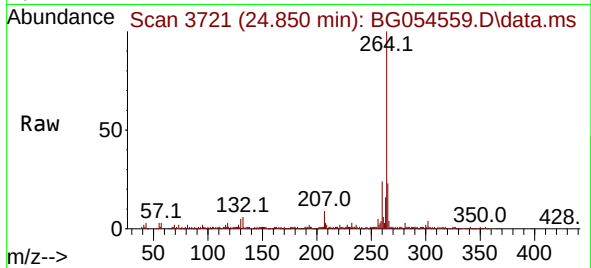




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.850 min Scan# 31
 Delta R.T. 0.015 min
 Lab File: BG054559.D
 Acq: 8 Aug 2022 19:00

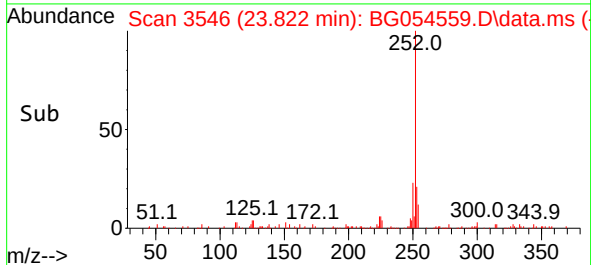
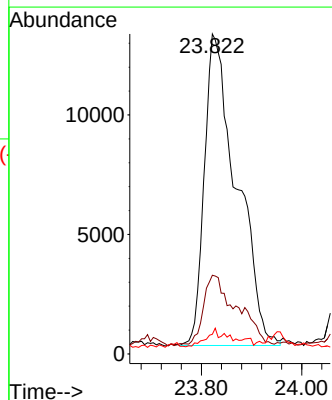
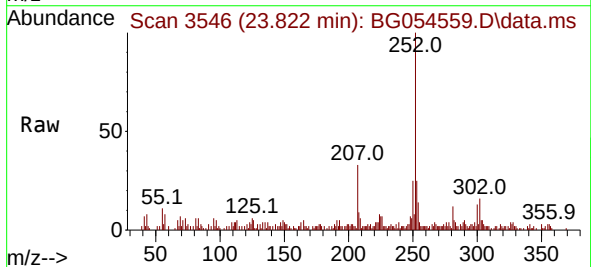
Instrument :
 BNA_G
 ClientSampleId :
 RVE-149

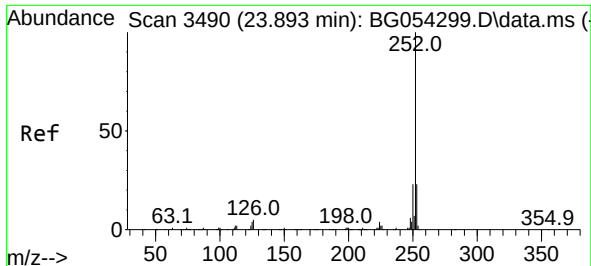
Tgt	Ion:264	Resp:	168445
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	23.5	17.4	26.2



#88
 Benzo(b)fluoranthene
 Concen: 5.834 ng
 RT: 23.822 min Scan# 3546
 Delta R.T. 0.003 min
 Lab File: BG054559.D
 Acq: 8 Aug 2022 19:00

Tgt	Ion:252	Resp:	58120
Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	6.1	4.6	6.8

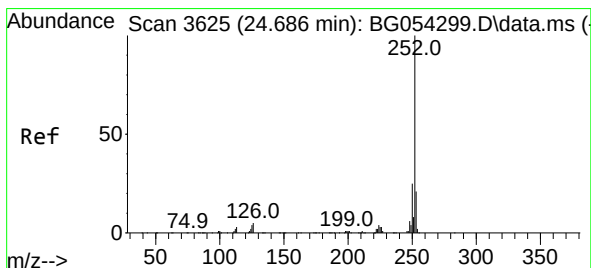
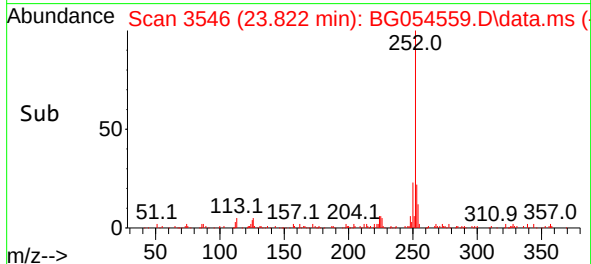
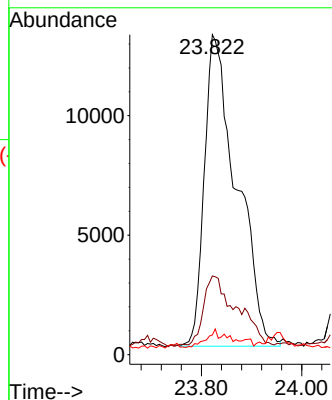
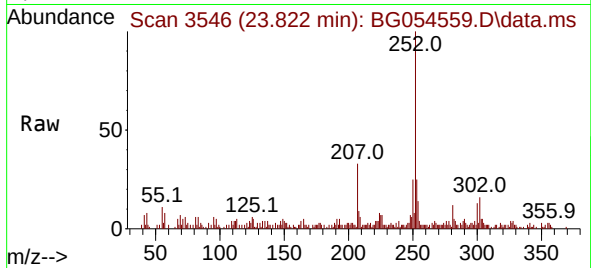




#89
Benzo(k)fluoranthene
Concen: 5.862 ng
RT: 23.822 min Scan# 31
Delta R.T. -0.061 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

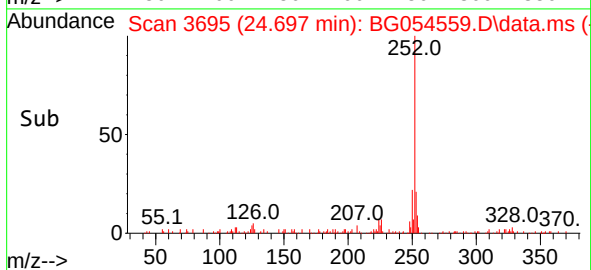
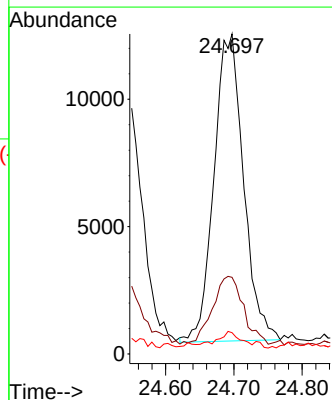
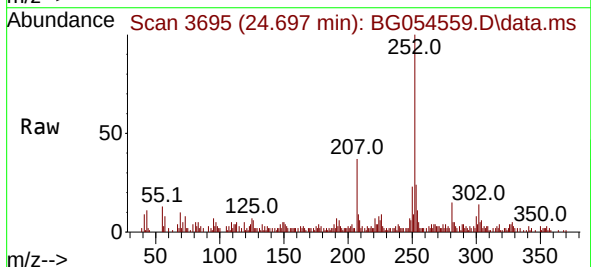
Instrument :
BNA_G
ClientSampleId :
RVE-149

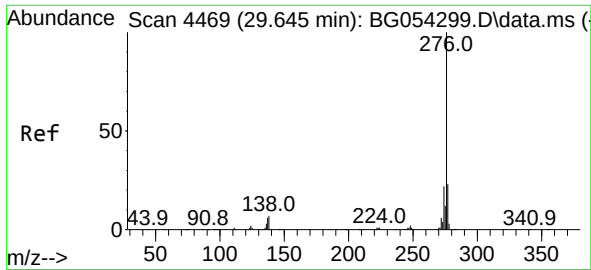
Tgt Ion:252 Resp: 58120
Ion Ratio Lower Upper
252 100
253 24.6 18.4 27.6
125 6.1 4.8 7.2



#90
Benzo(a)pyrene
Concen: 4.258 ng
RT: 24.697 min Scan# 3695
Delta R.T. 0.009 min
Lab File: BG054559.D
Acq: 8 Aug 2022 19:00

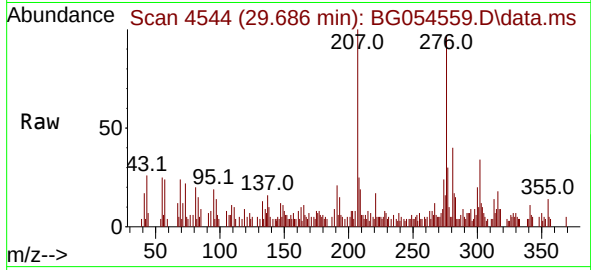
Tgt Ion:252 Resp: 36222
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 6.6 4.3 6.5#





#92
 Benzo(g,h,i)perylene
 Concen: 2.436 ng
 RT: 29.686 min Scan# 4
 Delta R.T. 0.009 min
 Lab File: BG054559.D
 Acq: 8 Aug 2022 19:00

Instrument :
 BNA_G
 ClientSampleId :
 RVE-149



Tgt Ion:276 Resp: 25338
 Ion Ratio Lower Upper
 276 100
 277 31.1 17.3 25.9#
 138 10.0 9.6 14.4

