

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
 Data File : BG054535.D
 Acq On : 5 Aug 2022 14:43
 Operator : CG/JU
 Sample : N3931-12RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-123

Quant Time: Aug 06 05:39:38 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)

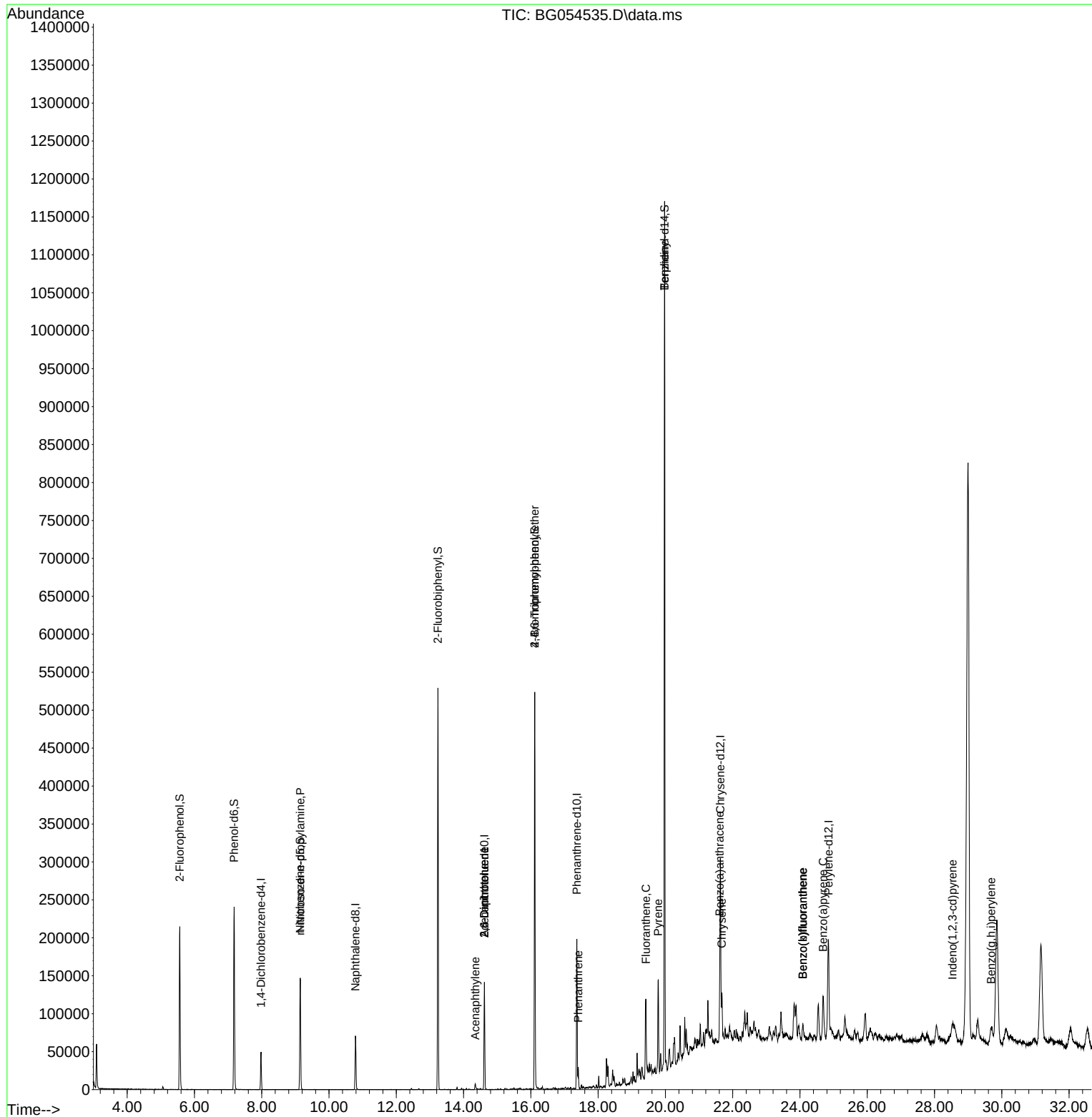
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	14996	20.000	ng	-0.01
21) Naphthalene-d8	10.785	136	64896	20.000	ng	#-0.01
39) Acenaphthene-d10	14.616	164	55575	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	140189	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	150698	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	159118	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	98067	136.538	ng	0.00
7) Phenol-d6	7.178	99	138808	141.041	ng	0.00
23) Nitrobenzene-d5	9.140	82	92371	77.512	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	138296	118.519	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	305705	77.599	ng	-0.01
79) Terphenyl-d14	19.974	244	638729	84.083	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.172	77	149	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.146	70	12933	19.679	ng	# 84
49) Acenaphthylene	14.351	152	12092	2.558	ng	95
51) 2,6-Dinitrotoluene	14.616	165	7560	7.940	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	7560	5.539	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	8289	4.210	ng	# 1
71) Phenanthrene	17.407	178	21477	3.076	ng	98
75) Fluoranthene	19.422	202	43926	4.616	ng	96
77) Benzidine	19.974	184	8468	3.103	ng	# 95
78) Pyrene	19.780	202	86885	10.048	ng	99
81) Benzo(a)anthracene	21.614	228	42091	4.400	ng	94
83) Chrysene	21.678	228	53707	5.942	ng	95
87) Indeno(1,2,3-cd)pyrene	28.535	276	43657	3.607	ng	94
88) Benzo(b)fluoranthene	24.081	252	20009	2.126	ng	94
89) Benzo(k)fluoranthene	24.081	252	20009	2.137	ng	96
90) Benzo(a)pyrene	24.686	252	63772	7.936	ng	94
92) Benzo(g,h,i)perylene	29.681	276	59846	6.092	ng	# 91

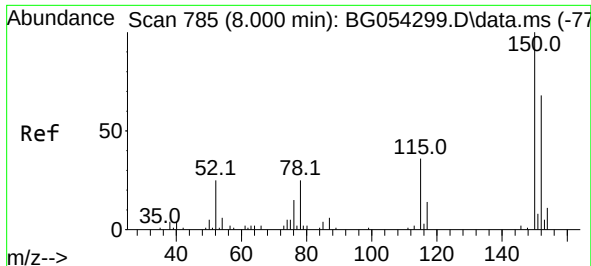
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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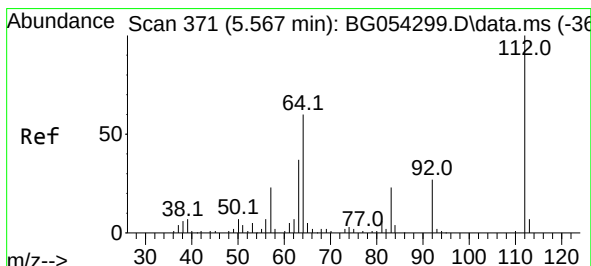
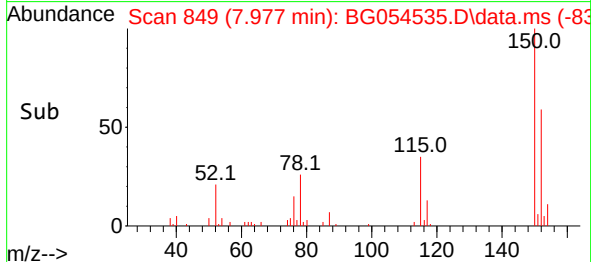
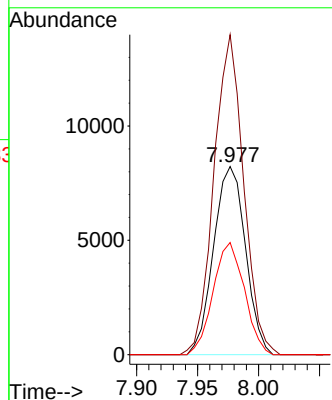
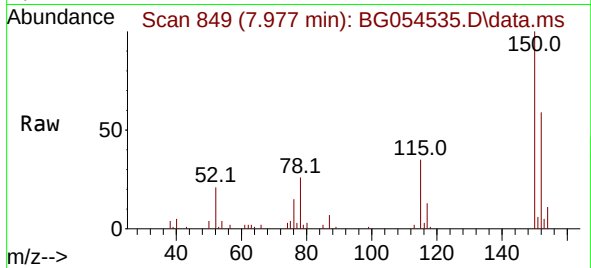




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.977 min Scan# 84
Delta R.T. -0.011 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

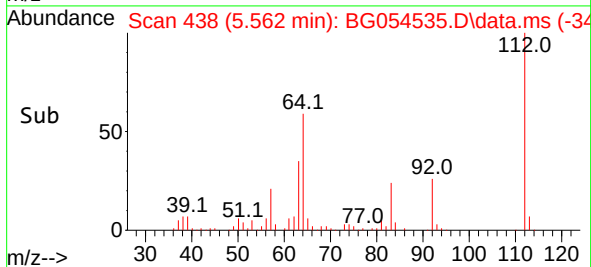
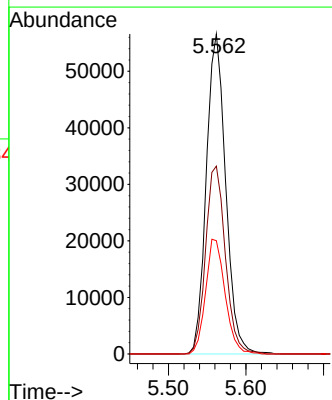
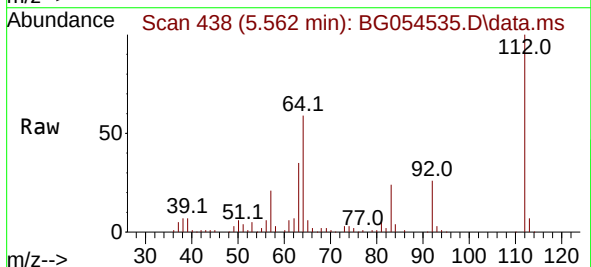
Instrument :
BNA_G
ClientSampleId :
RVE-123

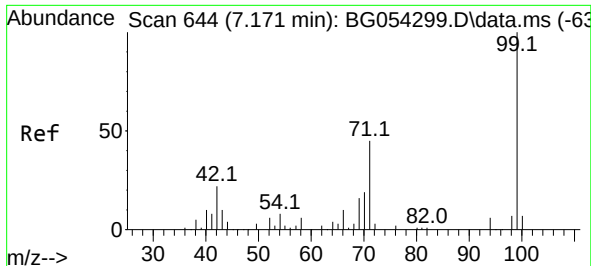
Tgt Ion:152 Resp: 14996
Ion Ratio Lower Upper
152 100
150 170.0 131.6 197.4
115 59.6 50.9 76.3



#5
2-Fluorophenol
Concen: 136.538 ng
RT: 5.562 min Scan# 438
Delta R.T. 0.000 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:112 Resp: 98067
Ion Ratio Lower Upper
112 100
64 58.7 55.1 82.7
63 35.4 30.4 45.6

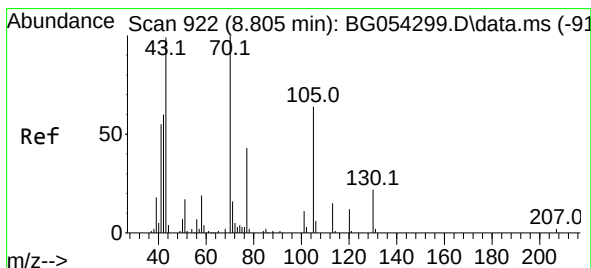
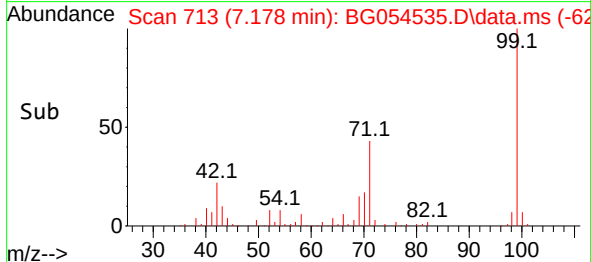
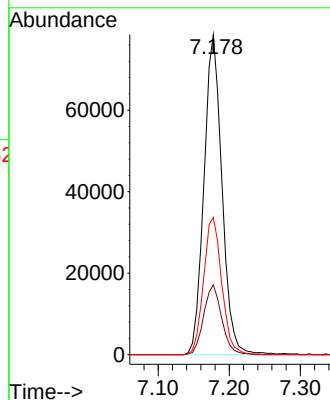
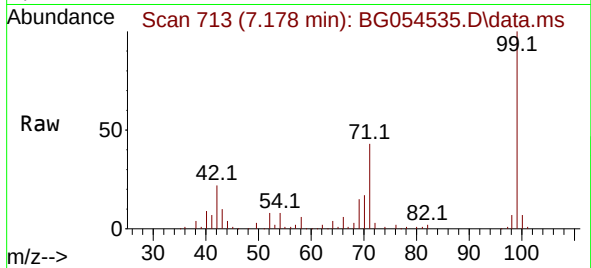




#7
Phenol-d6
Concen: 141.041 ng
RT: 7.178 min Scan# 71
Delta R.T. 0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

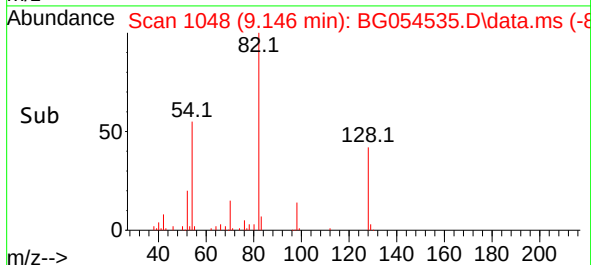
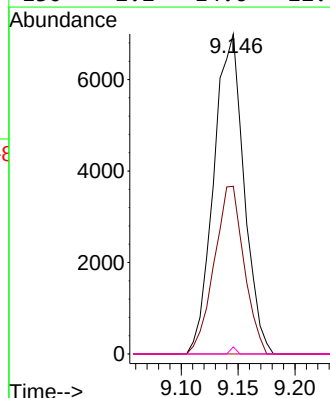
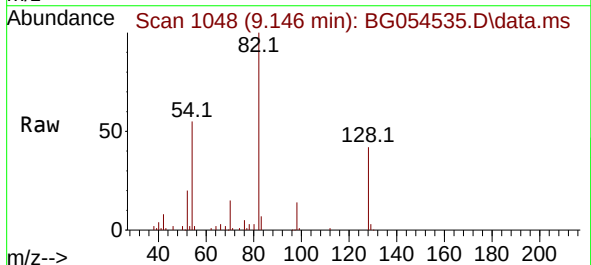
Instrument :
BNA_G
ClientSampleId :
RVE-123

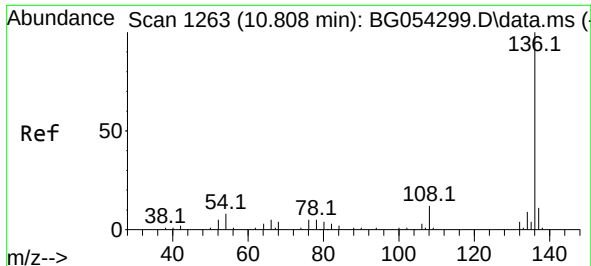
Tgt Ion: 99 Resp: 138808
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 42.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.679 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.353 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion: 70 Resp: 12933
Ion Ratio Lower Upper
70 100
42 52.4 47.3 70.9
101 0.0 7.0 10.4#
130 2.2 14.6 22.0#

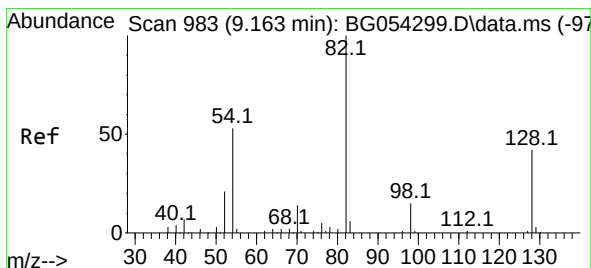
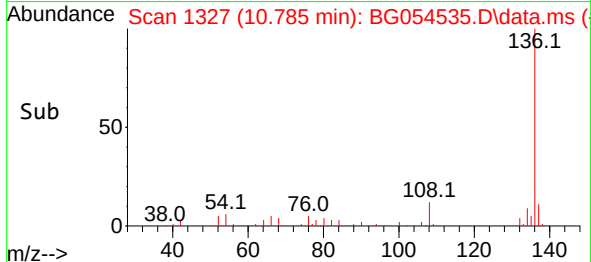
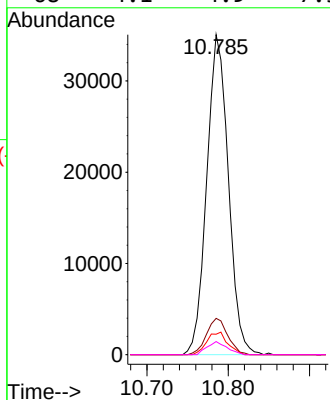
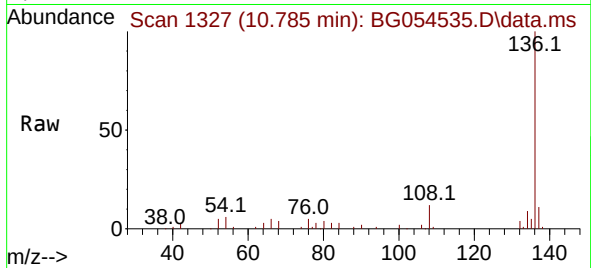




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.785 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

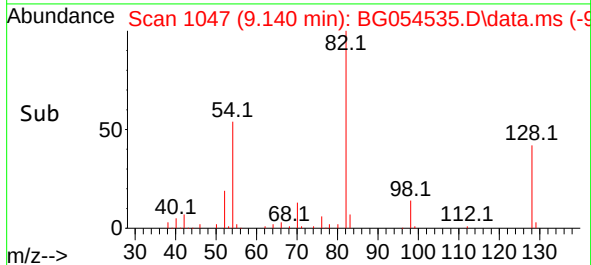
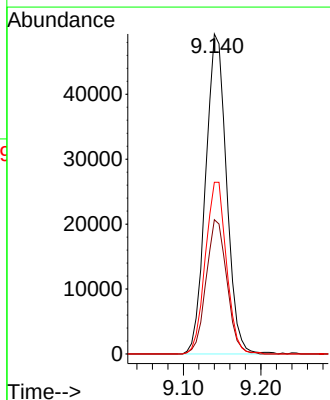
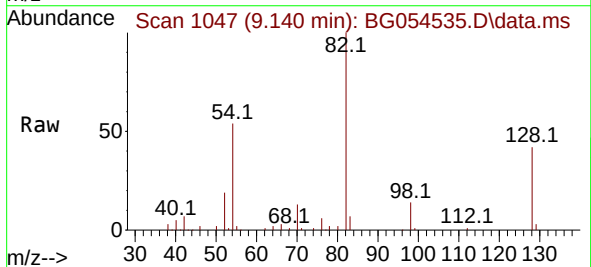
Instrument :
BNA_G
ClientSampleId :
RVE-123

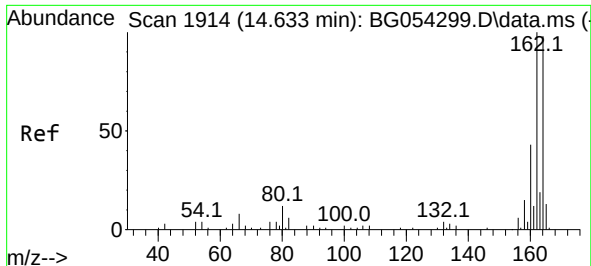
Tgt Ion:136	Resp:	64896
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.5 12.7
54	6.4	7.4 11.2#
68	4.1	4.9 7.3#



#23
Nitrobenzene-d5
Concen: 77.512 ng
RT: 9.140 min Scan# 1047
Delta R.T. -0.012 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion: 82	Resp:	92371
Ion Ratio	Lower	Upper
82	100	
128	42.0	27.9 41.9#
54	53.7	41.2 61.8

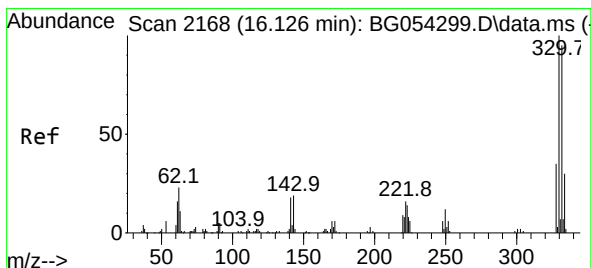
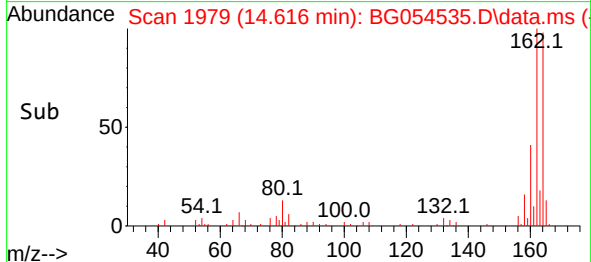
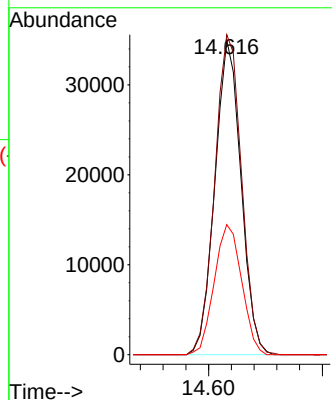
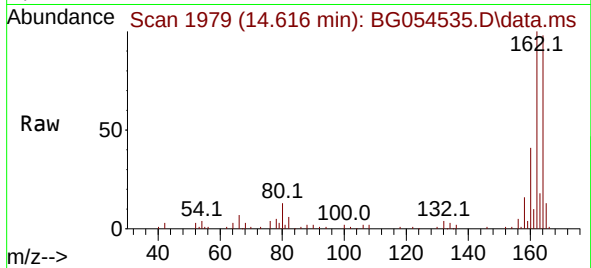




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.616 min Scan# 1914
Delta R.T. -0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

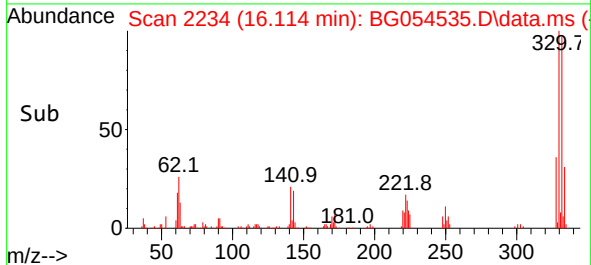
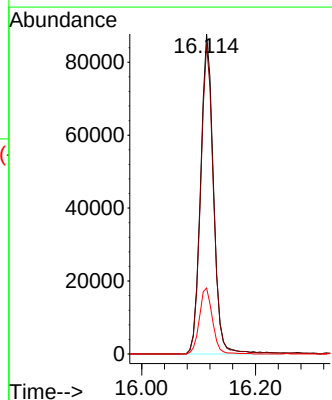
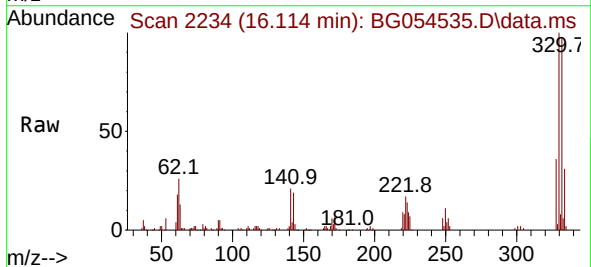
Instrument :
BNA_G
ClientSampleId :
RVE-123

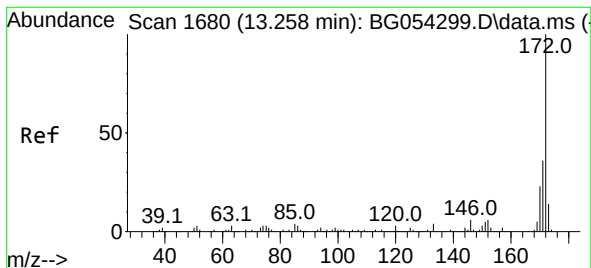
Tgt Ion:164 Resp: 55575
Ion Ratio Lower Upper
164 100
162 101.7 82.3 123.5
160 41.4 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 118.519 ng
RT: 16.114 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:330 Resp: 138296
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 20.8 27.1 40.7#

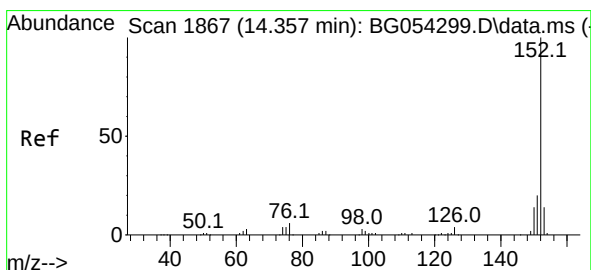
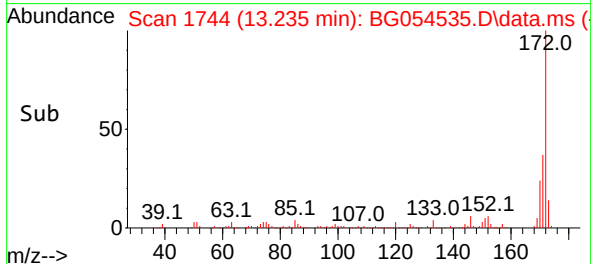
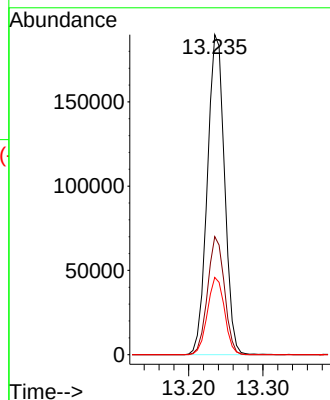
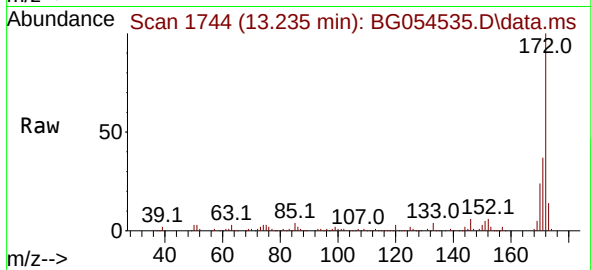




#45
2-Fluorobiphenyl
Concen: 77.599 ng
RT: 13.235 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

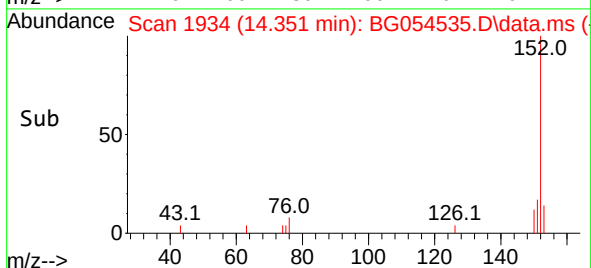
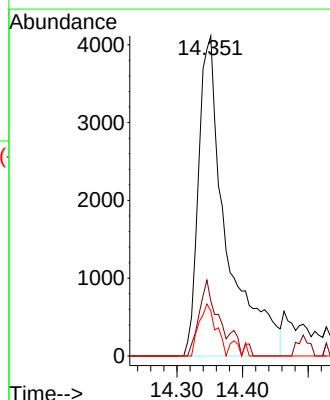
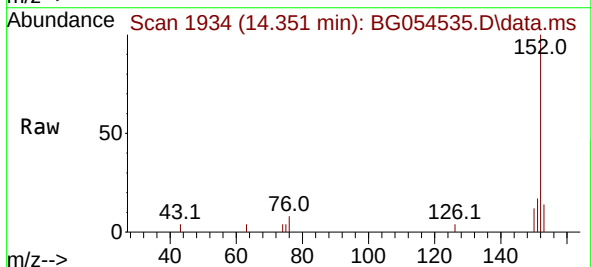
Instrument :
BNA_G
ClientSampleId :
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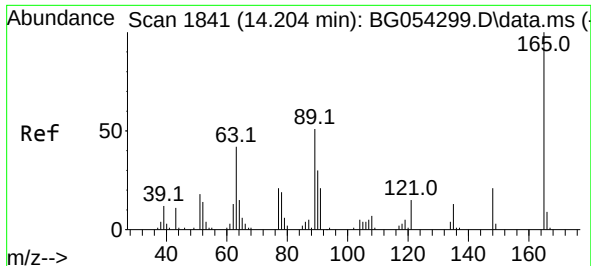
Tgt Ion:172 Resp: 305705
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.1 18.9 28.3



#49
Acenaphthylene
Concen: 2.558 ng
RT: 14.351 min Scan# 1934
Delta R.T. 0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:152 Resp: 12092
Ion Ratio Lower Upper
152 100
151 17.2 16.4 24.6
153 14.2 10.8 16.2





#51

2,6-Dinitrotoluene

Concen: 7.940 ng

RT: 14.616 min Scan# 1979

Delta R.T. 0.417 min

Lab File: BG054535.D

Acq: 5 Aug 2022 14:43

Instrument :

BNA_G

ClientSampleId :

RVE-123

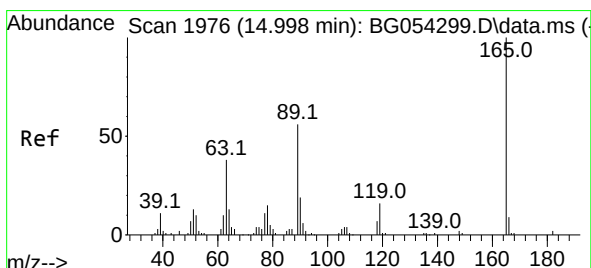
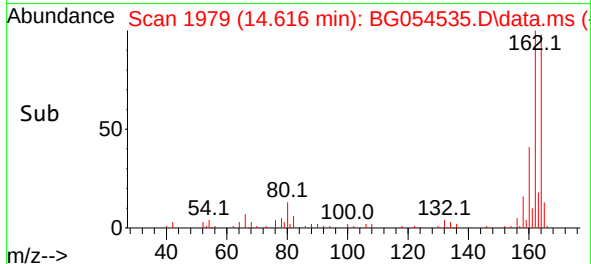
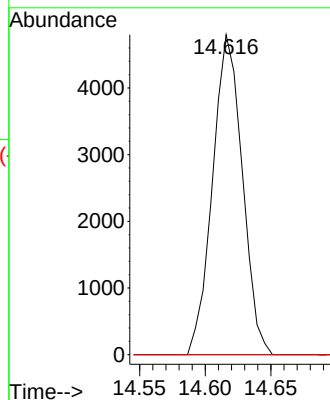
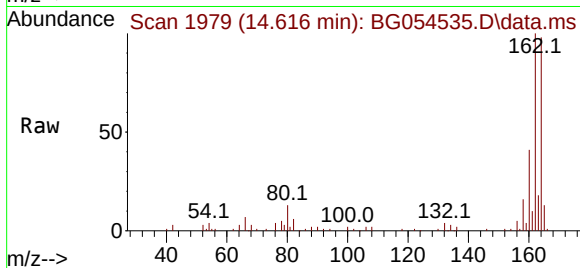
Tgt Ion:165 Resp: 7560

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: 5.539 ng

RT: 14.616 min Scan# 1979

Delta R.T. -0.376 min

Lab File: BG054535.D

Acq: 5 Aug 2022 14:43

Tgt Ion:165 Resp: 7560

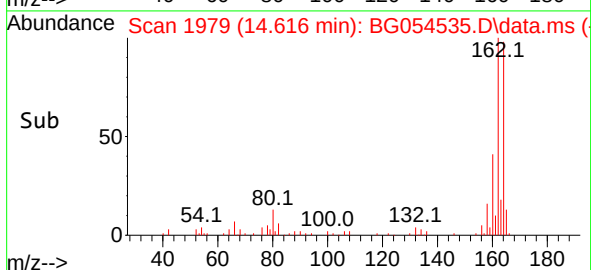
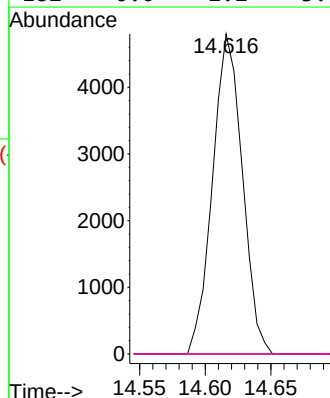
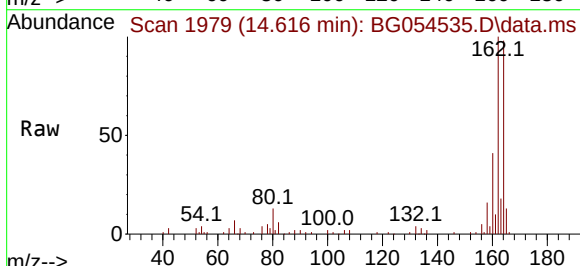
Ion Ratio Lower Upper

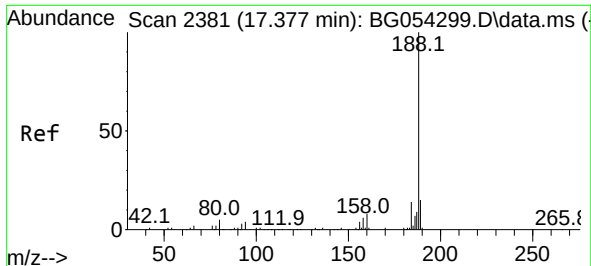
165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#

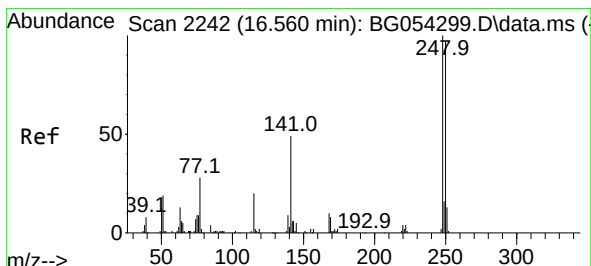
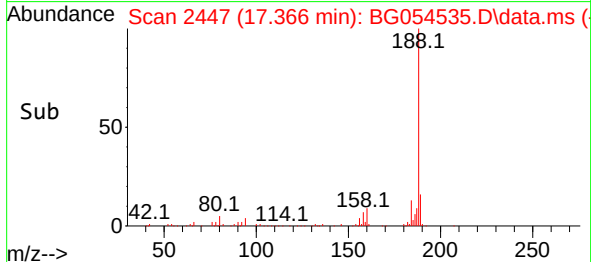
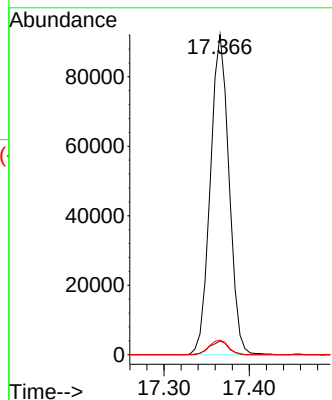
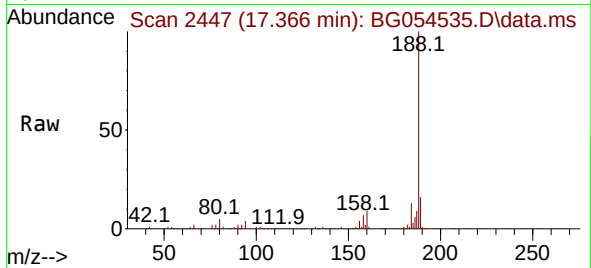




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

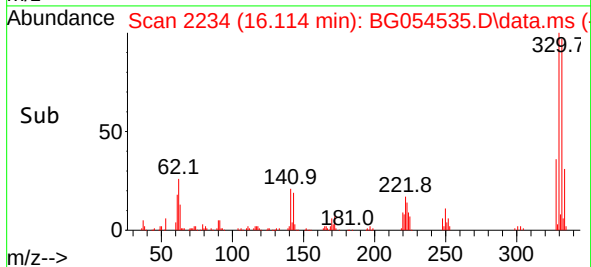
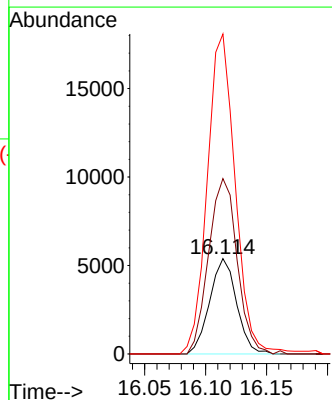
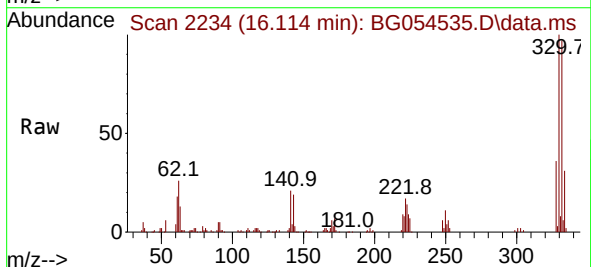
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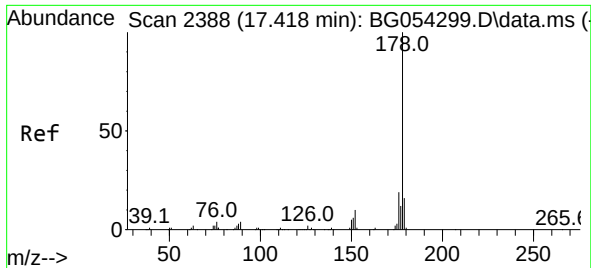
Tgt Ion:188 Resp: 140189
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.6 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 4.210 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.441 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:248 Resp: 8289
Ion Ratio Lower Upper
248 100
250 183.8 75.2 112.8#
141 335.5 50.0 75.0#

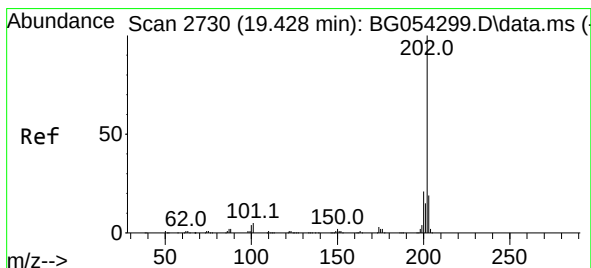
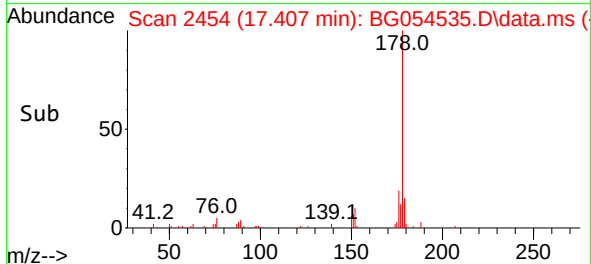
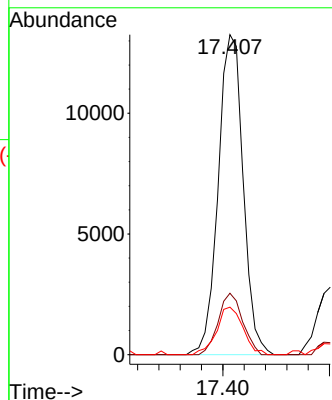
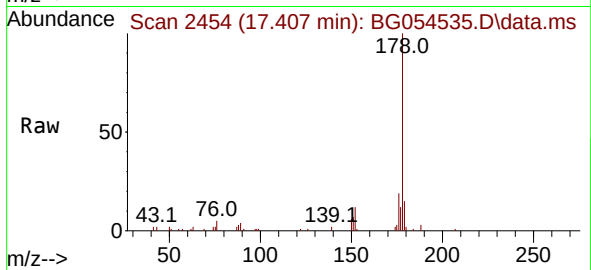




#71
Phenanthrene
Concen: 3.076 ng
RT: 17.407 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

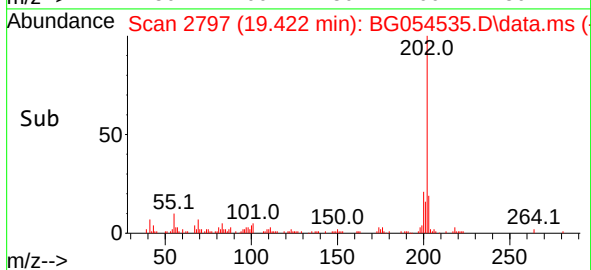
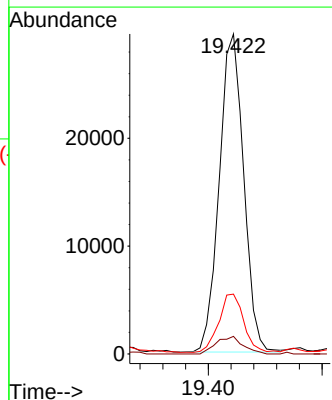
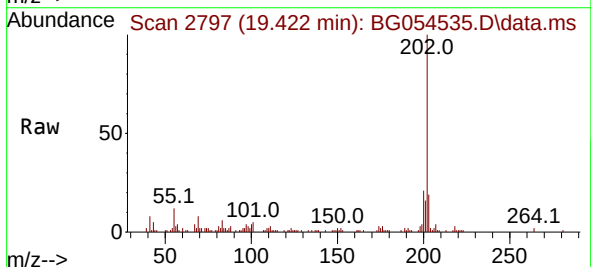
Instrument :
BNA_G
ClientSampleId :
RVE-123

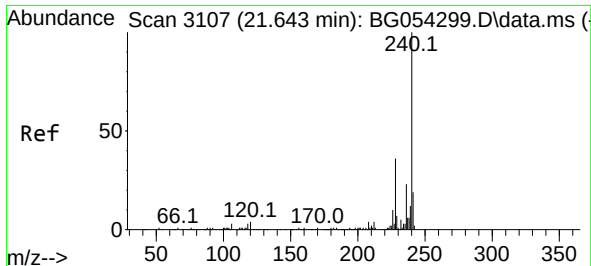
Tgt Ion:178 Resp: 21477
Ion Ratio Lower Upper
178 100
176 19.2 14.1 21.1
179 14.8 12.1 18.1



#75
Fluoranthene
Concen: 4.616 ng
RT: 19.422 min Scan# 2797
Delta R.T. 0.000 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:202 Resp: 43926
Ion Ratio Lower Upper
202 100
101 5.5 0.0 26.9
203 18.7 0.0 37.2

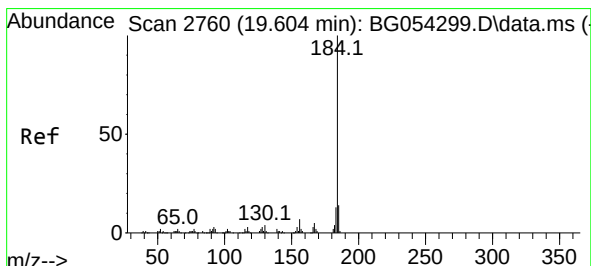
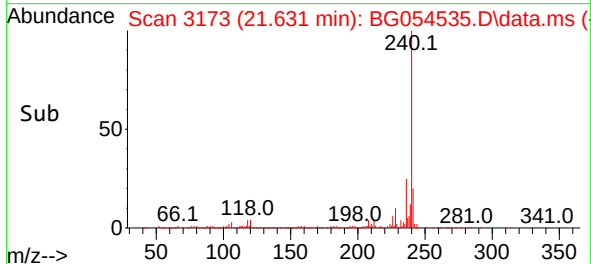
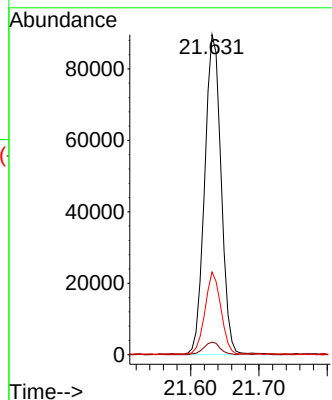
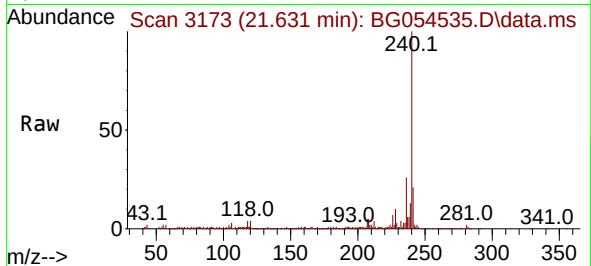




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

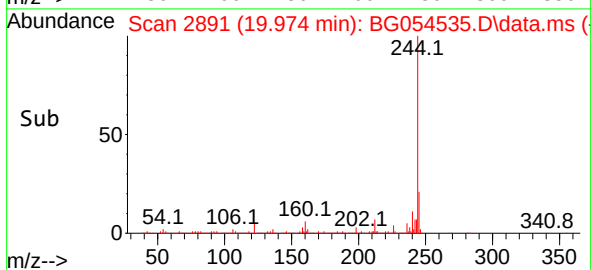
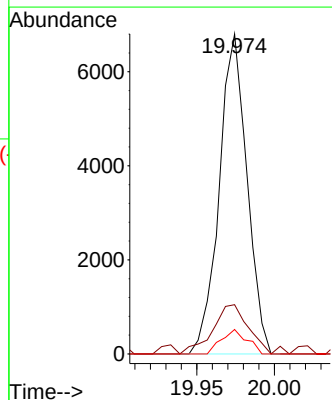
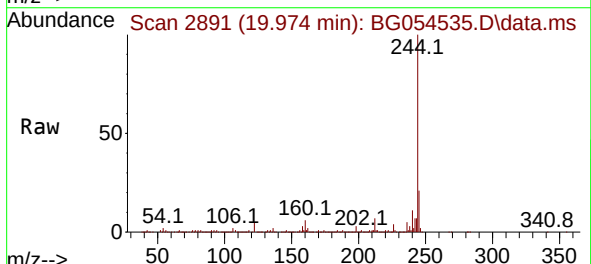
Instrument :
BNA_G
ClientSampleId :
RVE-123

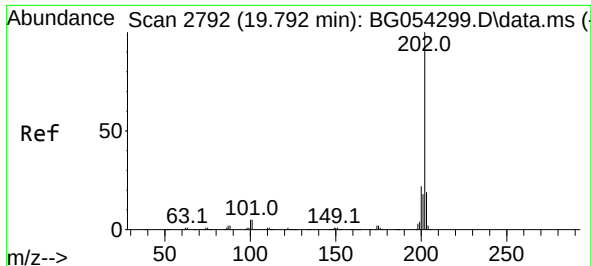
Tgt Ion:240 Resp: 150698
Ion Ratio Lower Upper
240 100
120 3.9 4.6 7.0#
236 25.9 20.2 30.4



#77
Benzidine
Concen: 3.103 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.376 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:184 Resp: 8468
Ion Ratio Lower Upper
184 100
185 15.4 11.8 17.6
183 7.7 8.9 13.3#

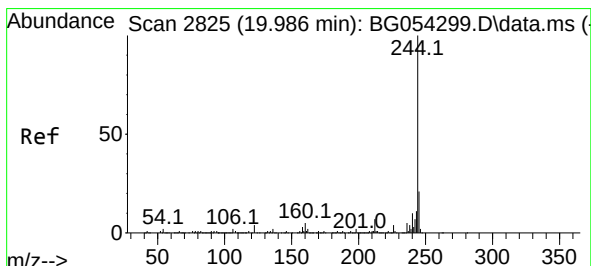
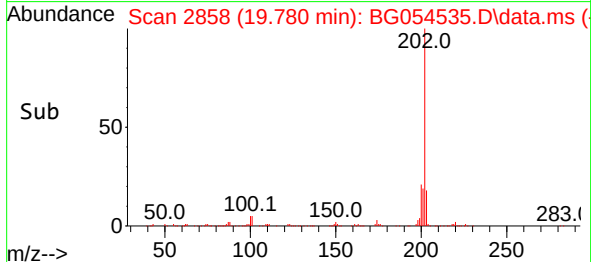
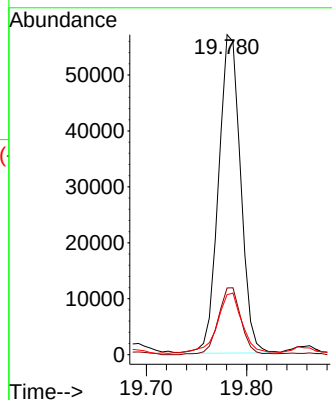
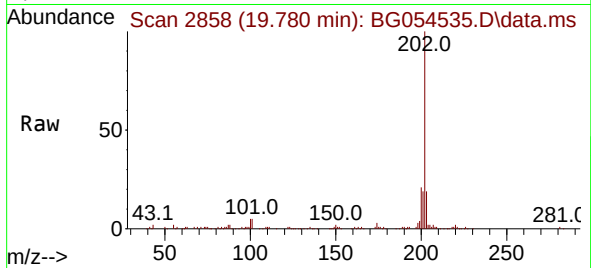




#78
 Pyrene
 Concen: 10.048 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054535.D
 Acq: 5 Aug 2022 14:43

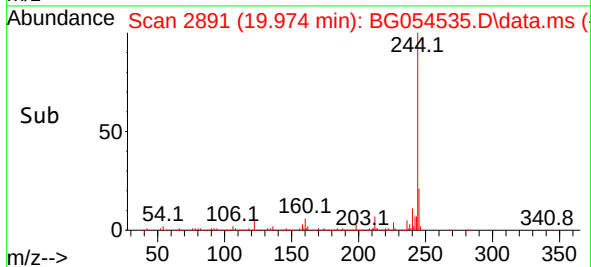
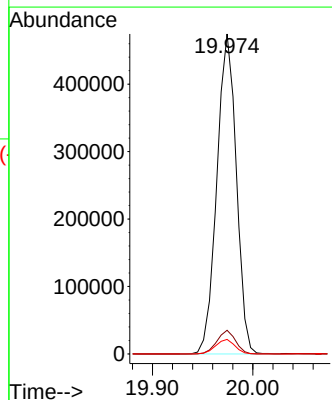
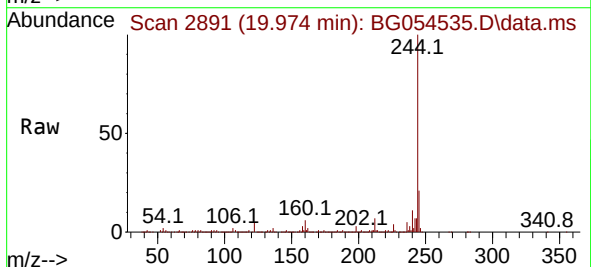
Instrument :
 BNA_G
 ClientSampleId :
 RVE-123

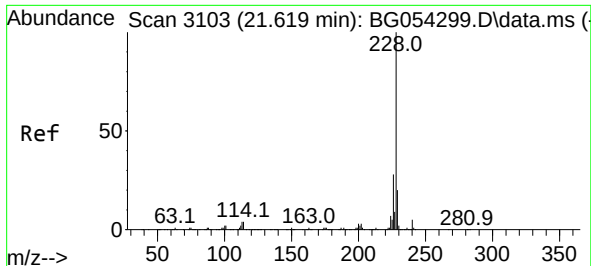
Tgt Ion:202 Resp: 86885
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.6 24.8
 203 18.8 14.6 21.8



#79
 Terphenyl-d14
 Concen: 84.083 ng
 RT: 19.974 min Scan# 2891
 Delta R.T. -0.006 min
 Lab File: BG054535.D
 Acq: 5 Aug 2022 14:43

Tgt Ion:244 Resp: 638729
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 4.6 5.0 7.4#

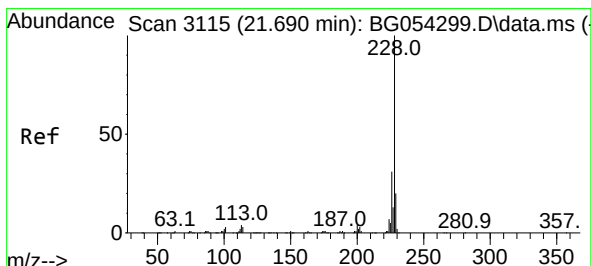
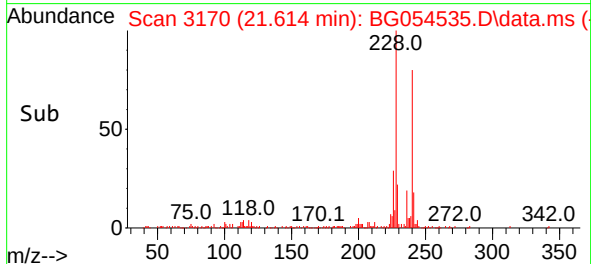
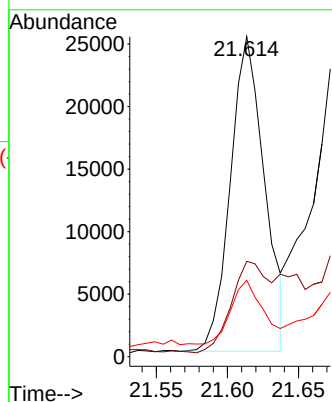
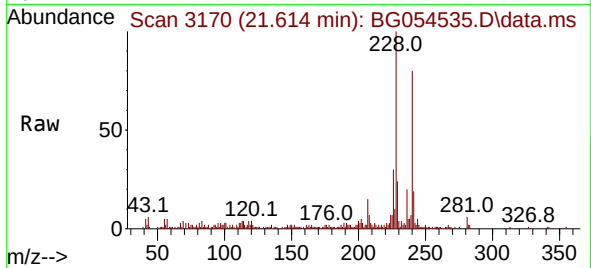




#81
Benzo(a)anthracene
Concen: 4.400 ng
RT: 21.614 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

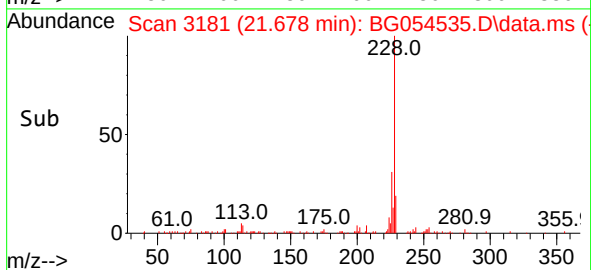
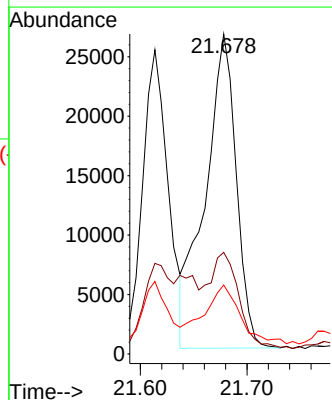
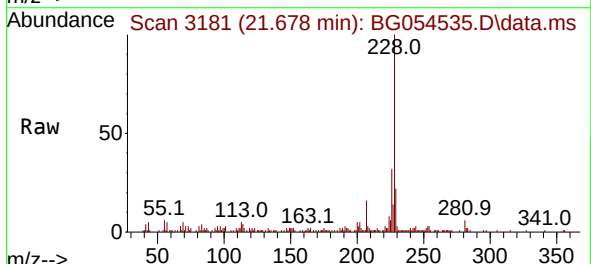
Instrument :
BNA_G
ClientSampleId :
RVE-123

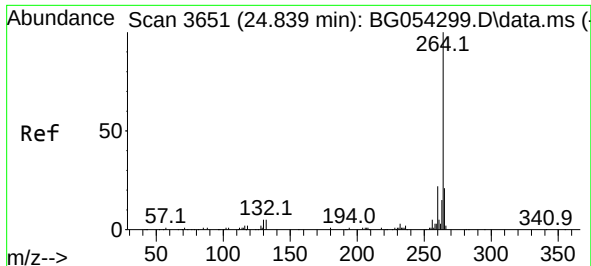
Tgt Ion:228 Resp: 42091
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 23.8 16.2 24.2



#83
Chrysene
Concen: 5.942 ng
RT: 21.678 min Scan# 3181
Delta R.T. -0.006 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:228 Resp: 53707
Ion Ratio Lower Upper
228 100
226 31.8 23.4 35.2
229 21.6 15.5 23.3

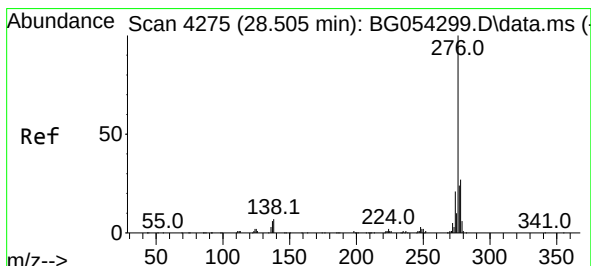
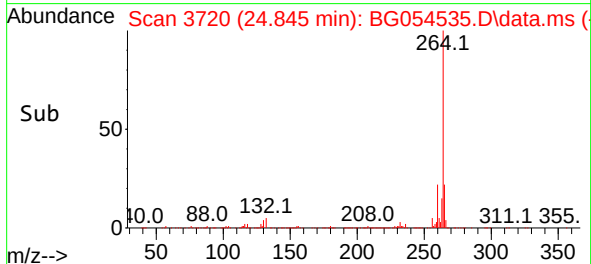
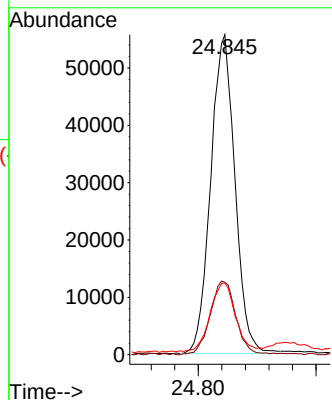
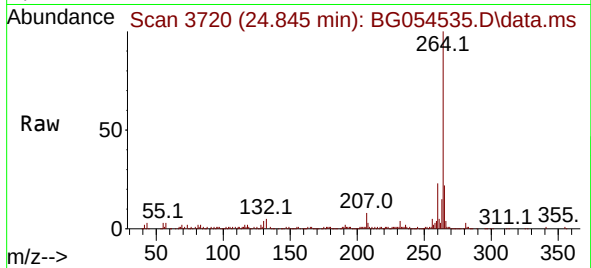




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.845 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

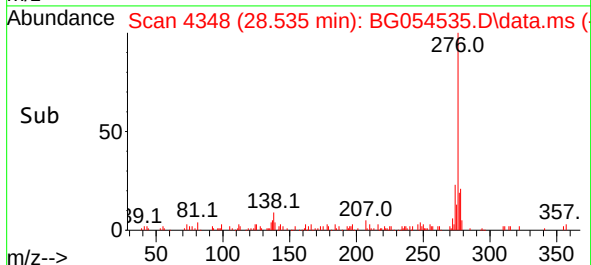
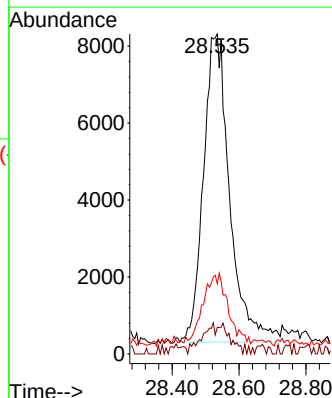
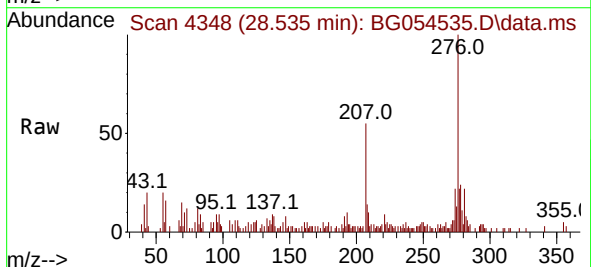
Instrument :
BNA_G
ClientSampleId :
RVE-123

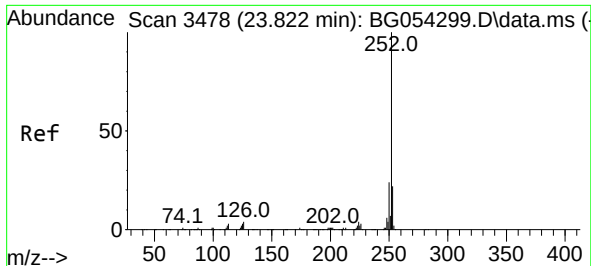
Tgt Ion:264 Resp: 159118
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.6
265 22.5 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.607 ng
RT: 28.535 min Scan# 4348
Delta R.T. 0.018 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:276 Resp: 43657
Ion Ratio Lower Upper
276 100
138 5.1 5.0 7.4
277 22.0 20.3 30.5

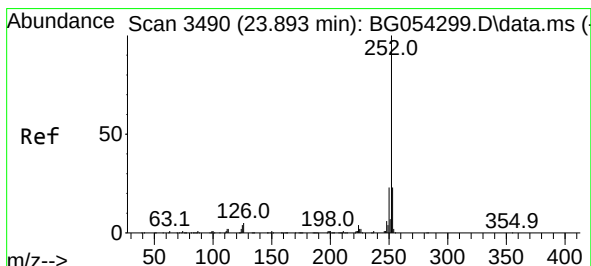
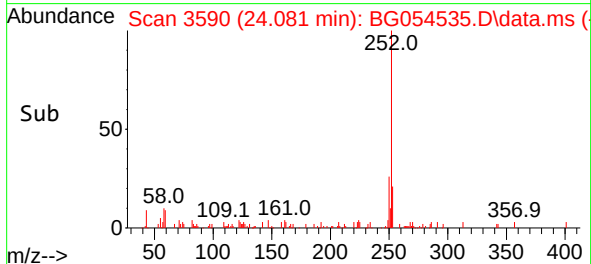
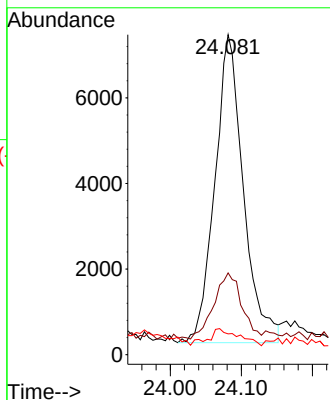
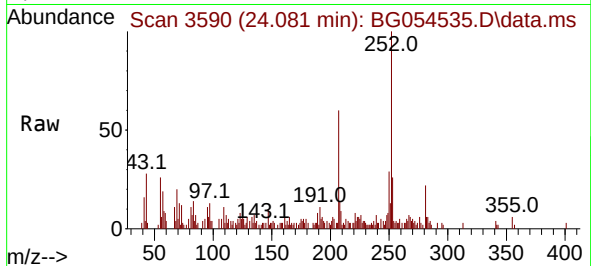




#88
Benzo(b)fluoranthene
Concen: 2.126 ng
RT: 24.081 min Scan# 3590
Delta R.T. 0.259 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

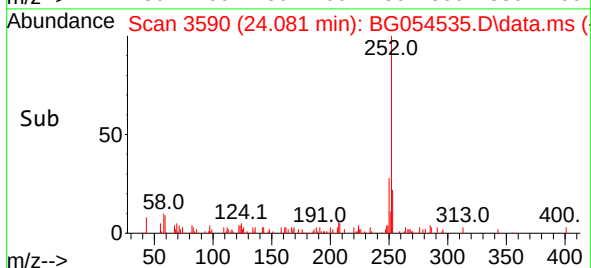
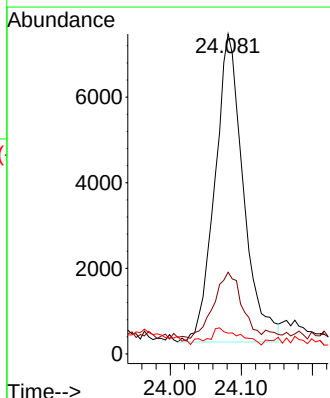
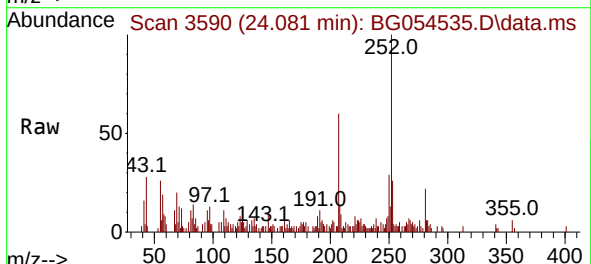
Instrument :
BNA_G
ClientSampleId :
RVE-123

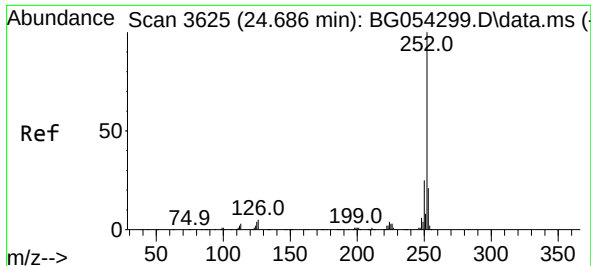
Tgt Ion:252 Resp: 20009
Ion Ratio Lower Upper
252 100
253 25.5 18.0 27.0
125 6.5 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 2.137 ng
RT: 24.081 min Scan# 3590
Delta R.T. 0.194 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:252 Resp: 20009
Ion Ratio Lower Upper
252 100
253 25.5 18.4 27.6
125 6.5 4.8 7.2

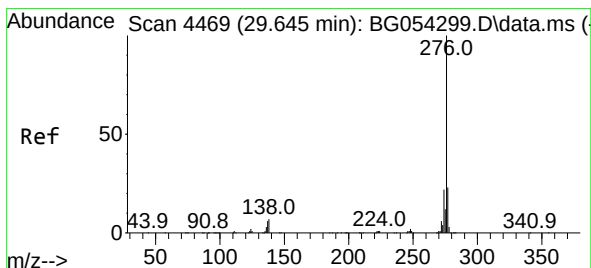
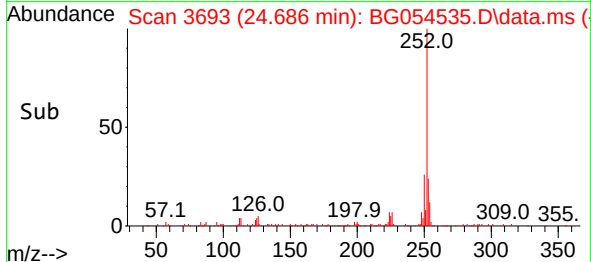
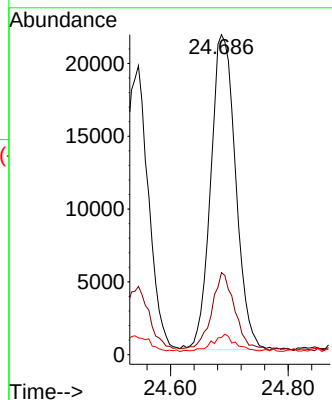
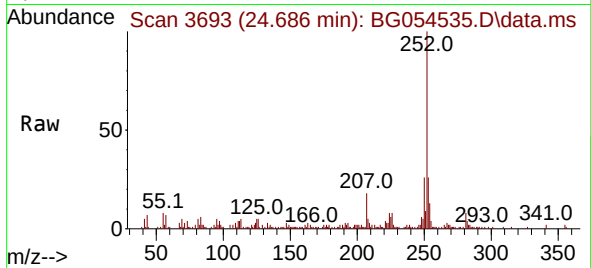




#90
Benzo(a)pyrene
Concen: 7.936 ng
RT: 24.686 min Scan# 30
Delta R.T. 0.000 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Instrument :
BNA_G
ClientSampleId :
RVE-123

Tgt Ion:252 Resp: 63772
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.8
125 5.4 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 6.092 ng
RT: 29.681 min Scan# 4543
Delta R.T. 0.018 min
Lab File: BG054535.D
Acq: 5 Aug 2022 14:43

Tgt Ion:276 Resp: 59846
Ion Ratio Lower Upper
276 100
277 25.5 17.3 25.9
138 8.0 9.6 14.4#

