

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080322\
 Data File : BG054503.D
 Acq On : 3 Aug 2022 17:24
 Operator : CG/JU
 Sample : N3935-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-142

Quant Time: Aug 04 00:44:08 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)

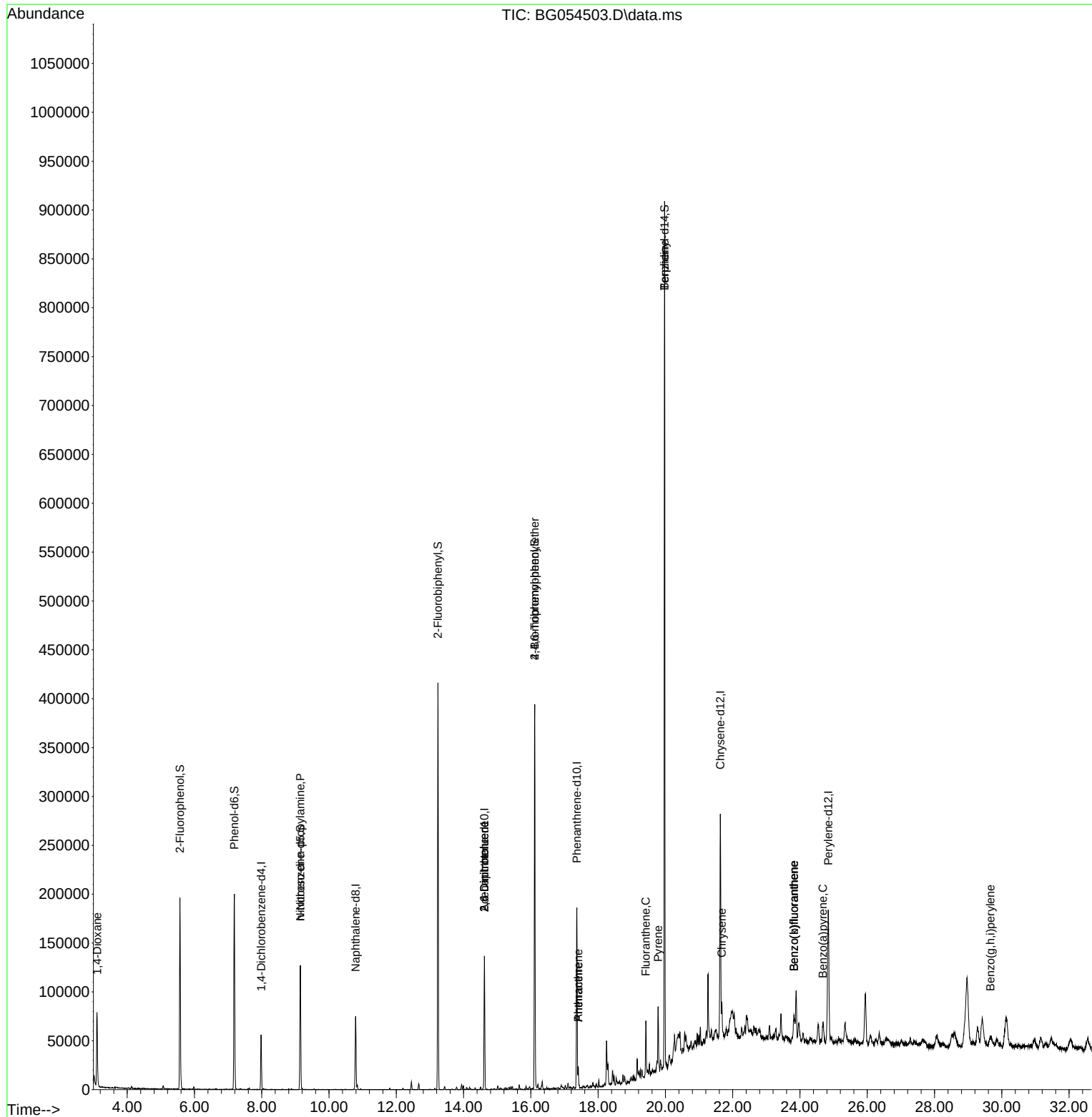
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.982	152	17941	20.000	ng	0.00
21) Naphthalene-d8	10.791	136	69168	20.000	ng	# 0.00
39) Acenaphthene-d10	14.616	164	53155	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	132269	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	147154	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	156354	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	87728	102.093	ng	0.00
7) Phenol-d6	7.183	99	117743	99.999	ng	0.01
23) Nitrobenzene-d5	9.146	82	78689	61.953	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	105439	94.475	ng	0.00
45) 2-Fluorobiphenyl	13.235	172	239461	63.551	ng	-0.01
79) Terphenyl-d14	19.974	244	485466	65.446	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.106	88	906	2.650	ng	# 1
9) Benzaldehyde	7.183	77	54	Below Cal		# 35
19) n-Nitroso-di-n-propyla...	9.146	70	11409	14.510	ng	# 79
51) 2,6-Dinitrotoluene	14.616	165	7853	8.623	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	7853	6.015	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	6387	3.438	ng	# 1
71) Phenanthrene	17.407	178	16823	2.554	ng	96
72) Anthracene	17.407	178	16823	2.603	ng	99
75) Fluoranthene	19.416	202	34933	3.890	ng	96
77) Benzidine	19.974	184	6403	2.403	ng	# 89
78) Pyrene	19.780	202	46086	5.458	ng	99
83) Chrysene	21.678	228	29621	3.356	ng	97
88) Benzo(b)fluoranthene	23.823	252	45777	4.951	ng	# 95
89) Benzo(k)fluoranthene	23.823	252	45777	4.974	ng	# 95
90) Benzo(a)pyrene	24.680	252	23599	2.988	ng	# 95
92) Benzo(g,h,i)perylene	29.663	276	22339	2.314	ng	98

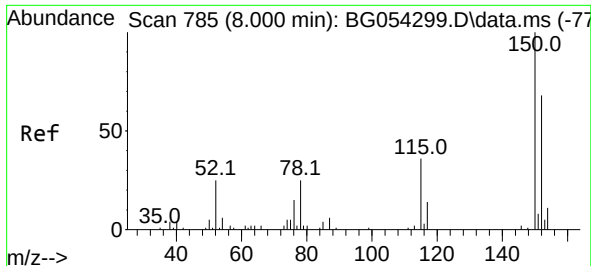
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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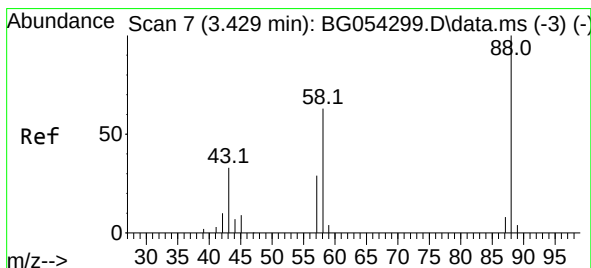
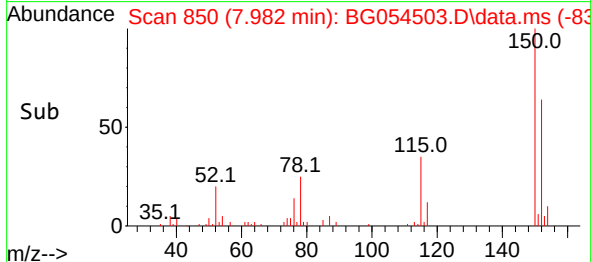
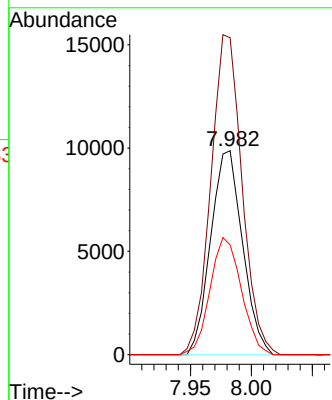
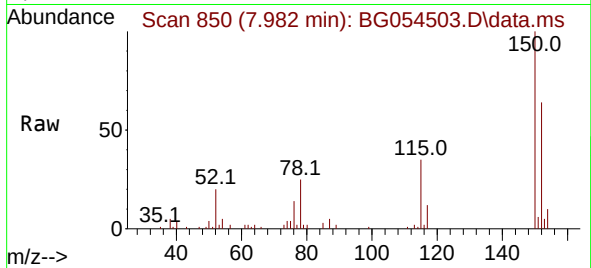




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.982 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BG054503.D
 Acq: 3 Aug 2022 17:24

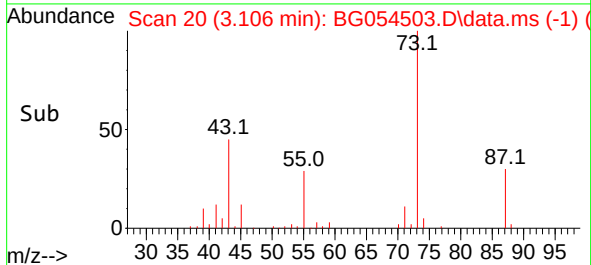
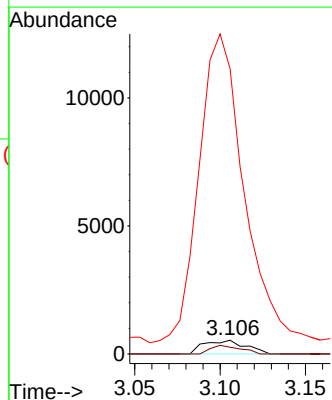
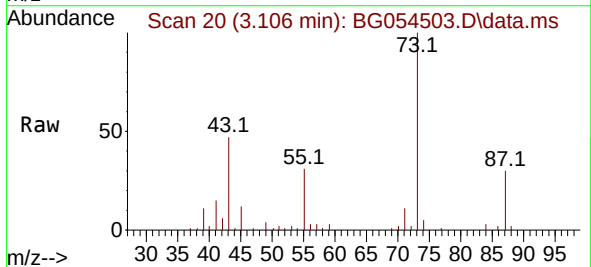
Instrument :
 BNA_G
 ClientSampleId :
 RVE-142

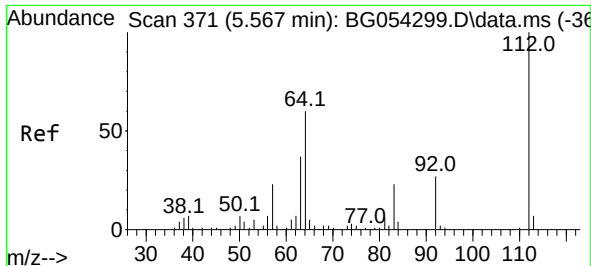
Tgt Ion:152 Resp: 17941
 Ion Ratio Lower Upper
 152 100
 150 155.4 131.6 197.4
 115 53.8 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.650 ng
 RT: 3.106 min Scan# 20
 Delta R.T. -0.311 min
 Lab File: BG054503.D
 Acq: 3 Aug 2022 17:24

Tgt Ion: 88 Resp: 906
 Ion Ratio Lower Upper
 88 100
 58 45.0 59.2 88.8#
 43 2590.1 24.3 36.5#

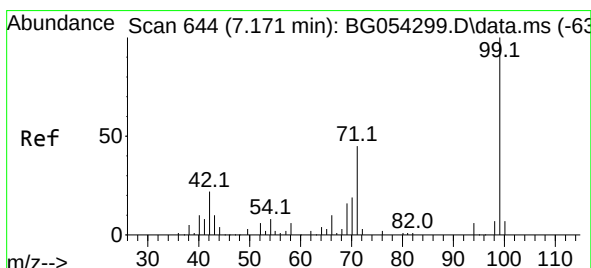
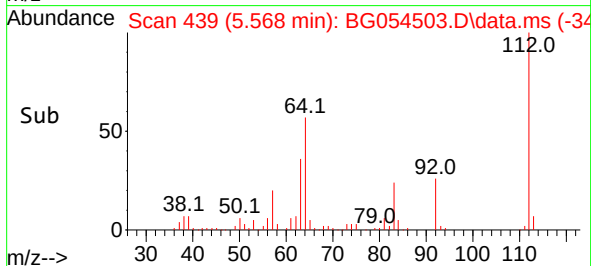
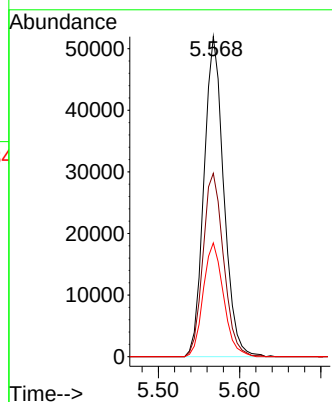
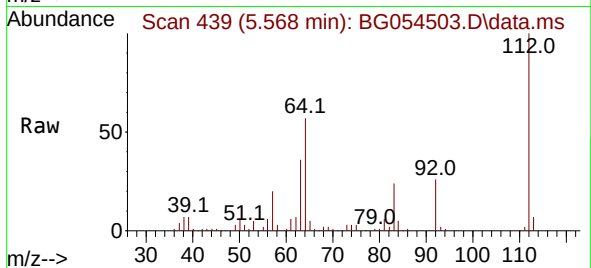




#5
2-Fluorophenol
Concen: 102.093 ng
RT: 5.568 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

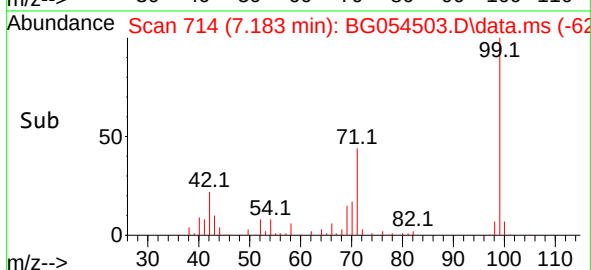
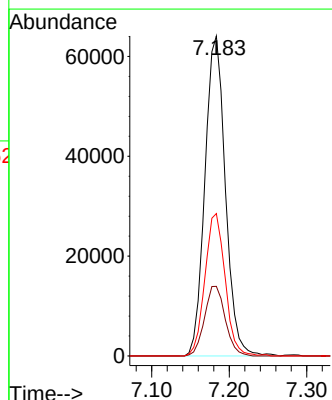
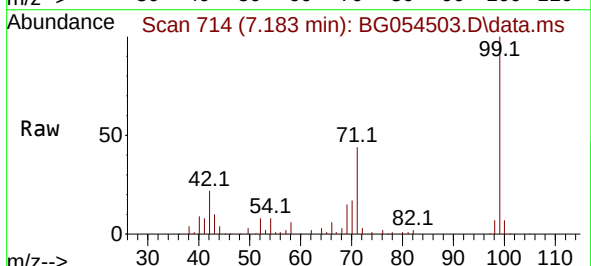
Instrument :
BNA_G
ClientSampleId :
RVE-142

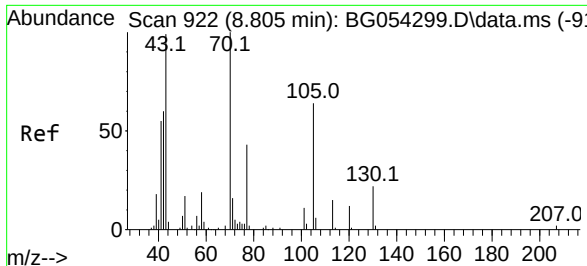
Tgt Ion:112 Resp: 87728
Ion Ratio Lower Upper
112 100
64 57.3 55.1 82.7
63 35.6 30.4 45.6



#7
Phenol-d6
Concen: 99.999 ng
RT: 7.183 min Scan# 714
Delta R.T. 0.012 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

Tgt Ion: 99 Resp: 117743
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 44.5 33.8 50.8

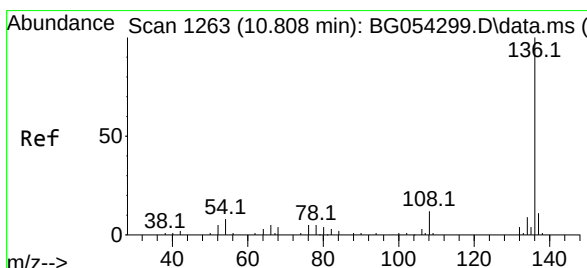
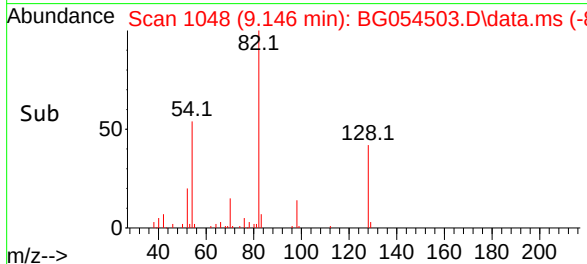
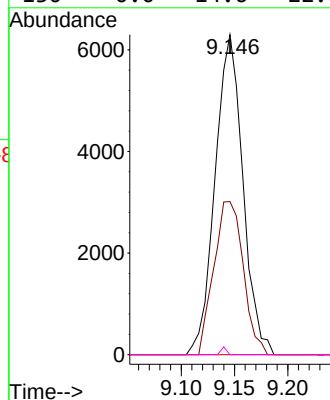
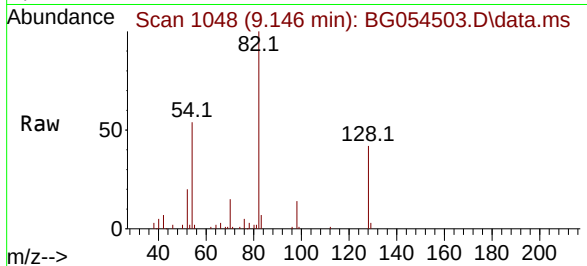




#19
n-Nitroso-di-n-propylamine
Concen: 14.510 ng
RT: 9.146 min Scan# 11
Delta R.T. 0.352 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

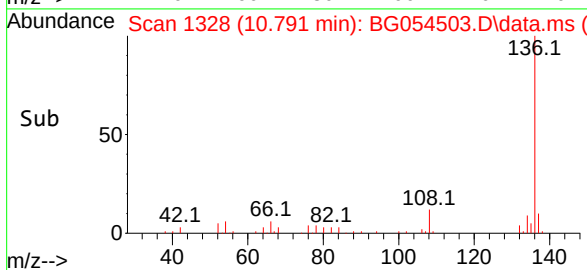
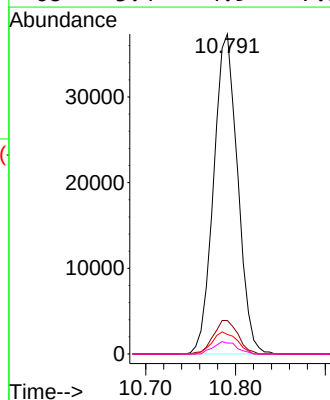
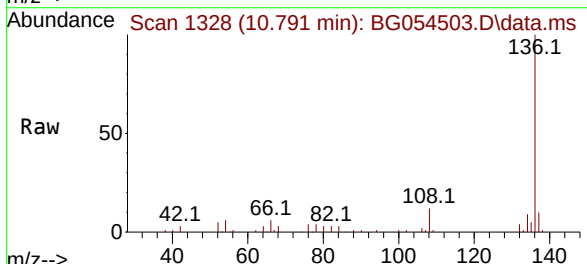
Instrument :
BNA_G
ClientSampleId :
RVE-142

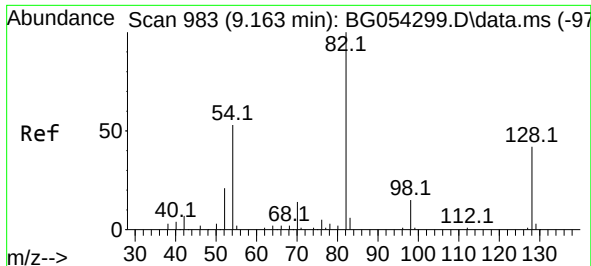
Tgt Ion: 70	Resp: 11409
Ion Ratio	Lower Upper
70	100
42	47.8 47.3 70.9
101	0.0 7.0 10.4#
130	0.0 14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.791 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

Tgt Ion: 136	Resp: 69168
Ion Ratio	Lower Upper
136	100
137	10.4 8.5 12.7
54	6.1 7.4 11.2#
68	3.4 4.9 7.3#

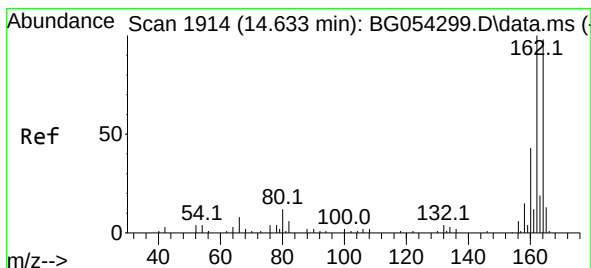
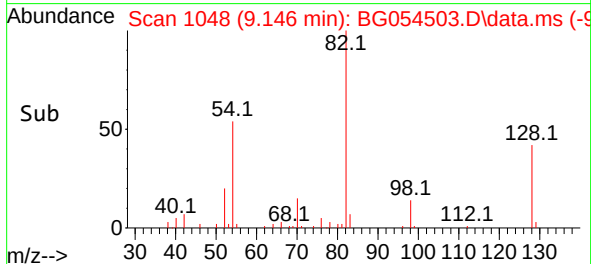
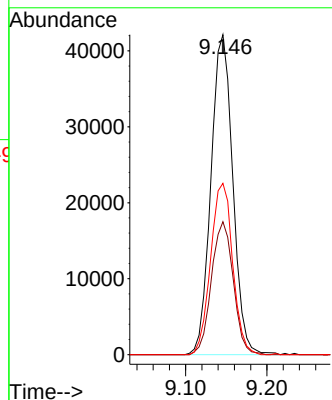
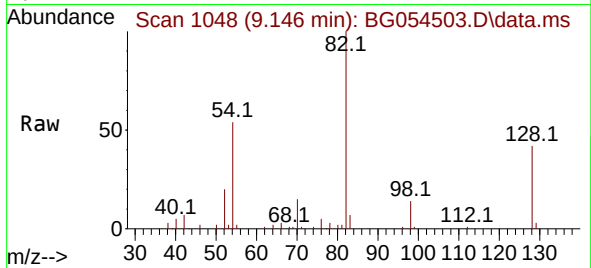




#23
 Nitrobenzene-d5
 Concen: 61.953 ng
 RT: 9.146 min Scan# 1048
 Delta R.T. -0.006 min
 Lab File: BG054503.D
 Acq: 3 Aug 2022 17:24

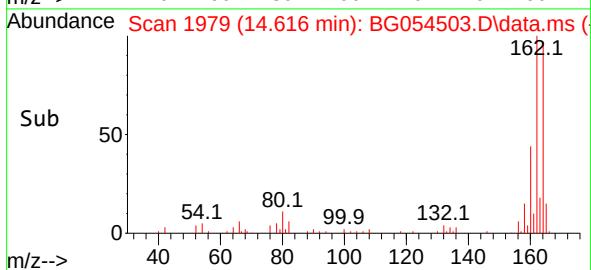
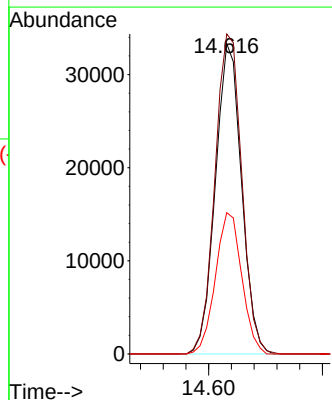
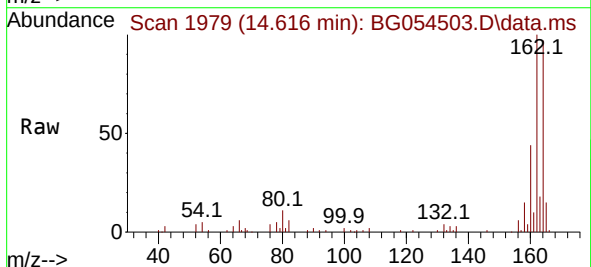
Instrument :
 BNA_G
 ClientSampleId :
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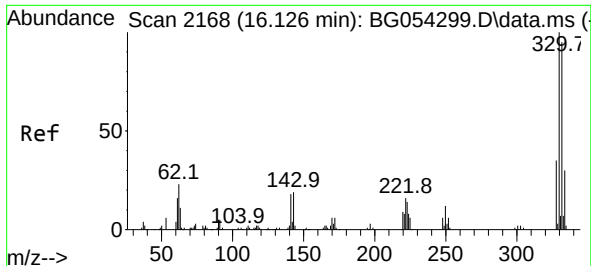
Tgt Ion: 82 Resp: 78689
 Ion Ratio Lower Upper
 82 100
 128 41.5 27.9 41.9
 54 53.6 41.2 61.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.616 min Scan# 1979
 Delta R.T. -0.006 min
 Lab File: BG054503.D
 Acq: 3 Aug 2022 17:24

Tgt Ion: 164 Resp: 53155
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.3 123.5
 160 45.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 94.475 ng

RT: 16.114 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG054503.D

Acq: 3 Aug 2022 17:24

Instrument :

BNA_G

ClientSampleId :

RVE-142

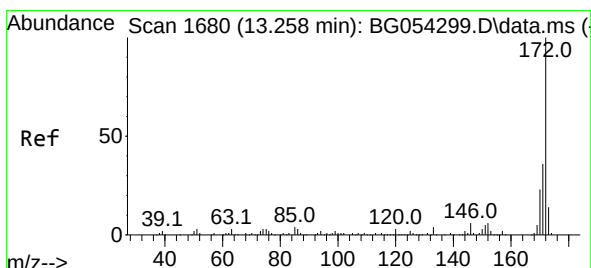
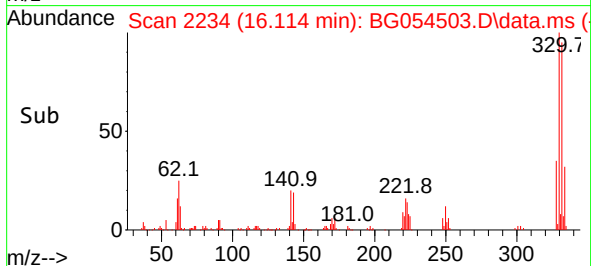
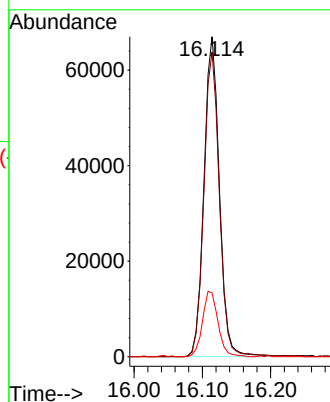
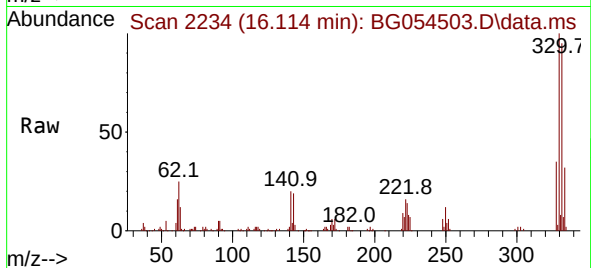
Tgt Ion:330 Resp: 105439

Ion Ratio Lower Upper

330 100

332 95.1 76.0 114.0

141 20.6 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 63.551 ng

RT: 13.235 min Scan# 1744

Delta R.T. -0.012 min

Lab File: BG054503.D

Acq: 3 Aug 2022 17:24

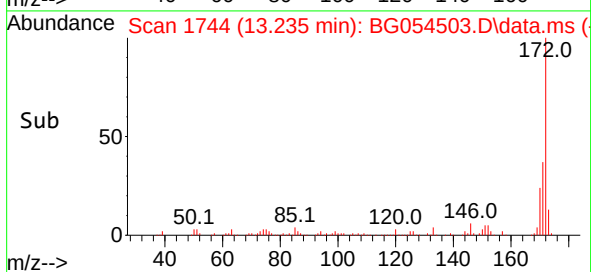
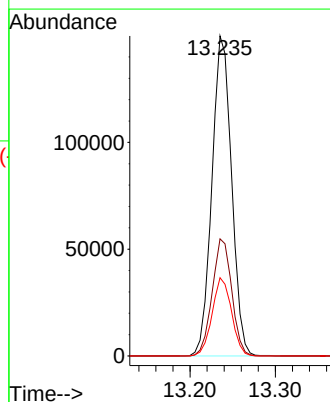
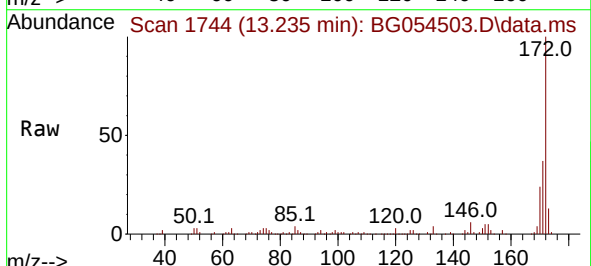
Tgt Ion:172 Resp: 239461

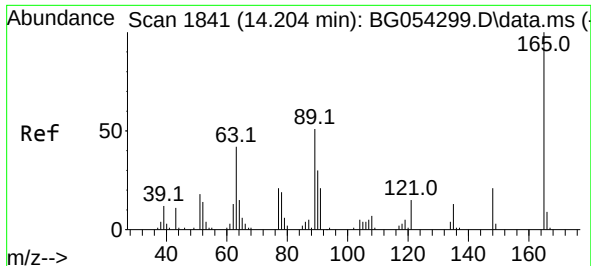
Ion Ratio Lower Upper

172 100

171 36.6 28.5 42.7

170 24.4 18.9 28.3

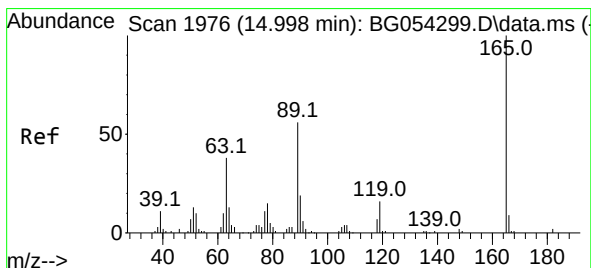
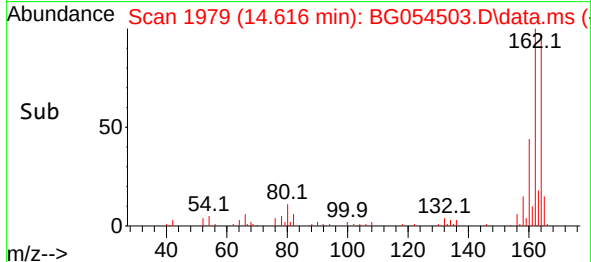
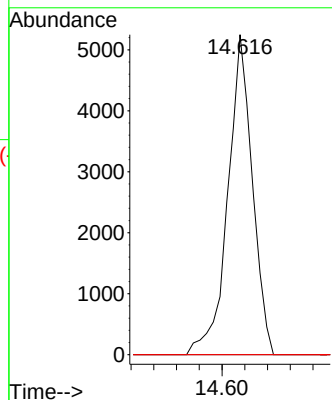
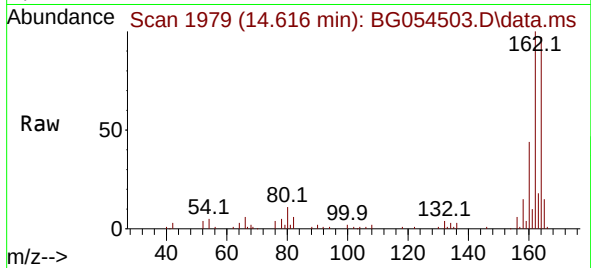




#51
2,6-Dinitrotoluene
Concen: 8.623 ng
RT: 14.616 min Scan# 1979
Delta R.T. 0.417 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

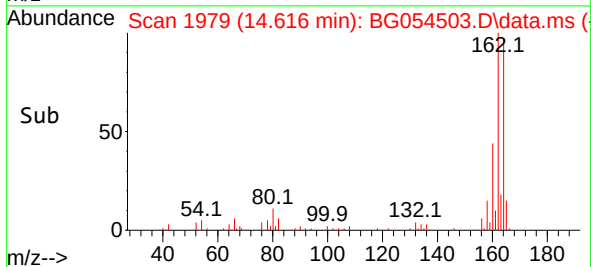
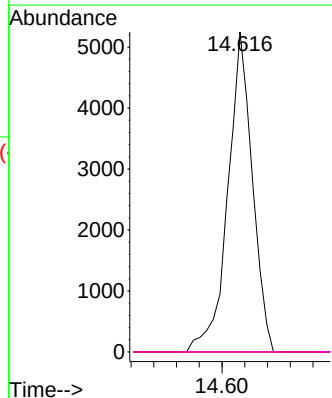
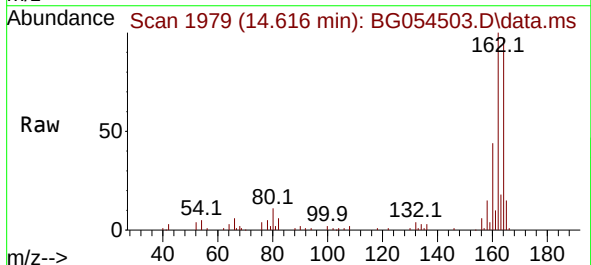
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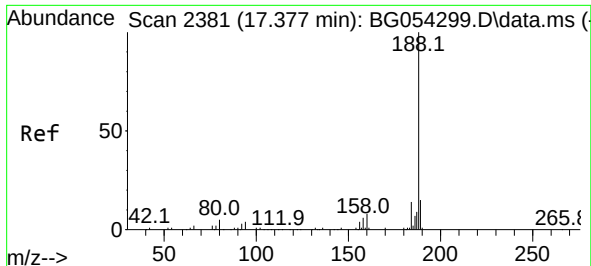
Tgt Ion:165 Resp: 7853
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 6.015 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.376 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

Tgt Ion:165 Resp: 7853
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#

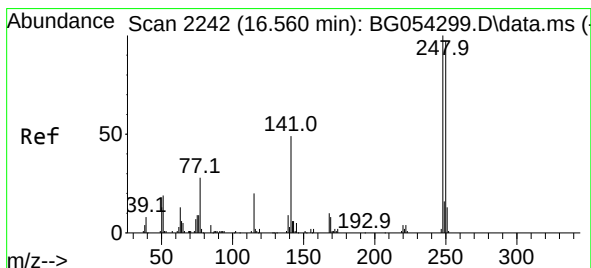
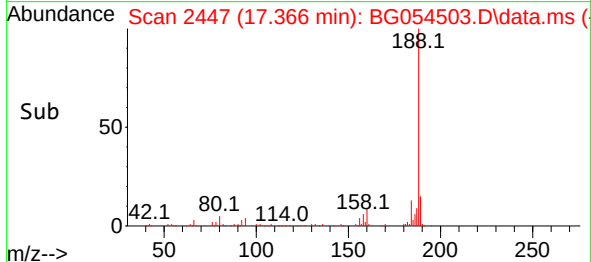
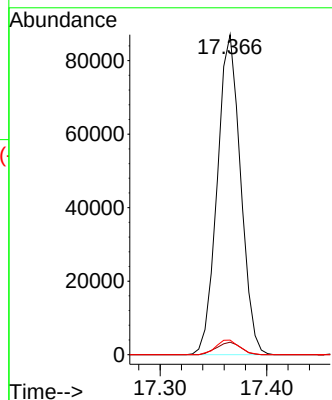
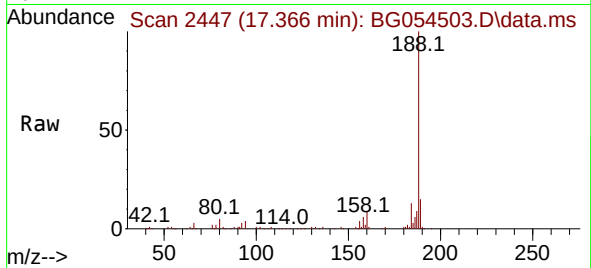




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

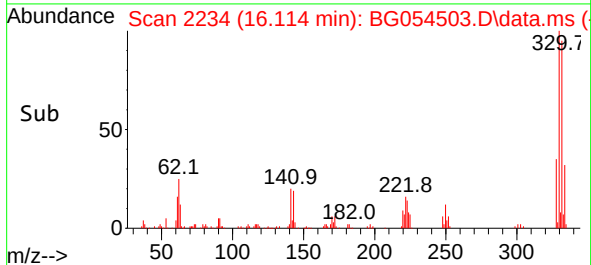
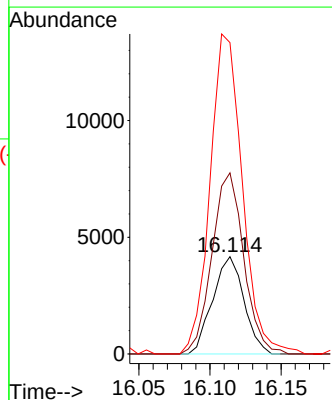
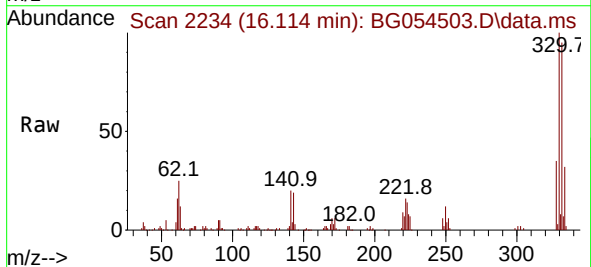
Instrument :
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RVE-142

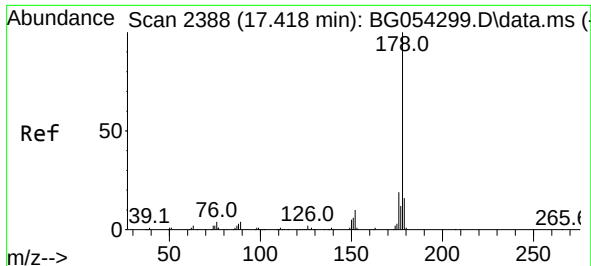
Tgt Ion:188 Resp: 132269
Ion Ratio Lower Upper
188 100
94 3.9 5.4 8.0#
80 4.6 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.438 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.441 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

Tgt Ion:248 Resp: 6387
Ion Ratio Lower Upper
248 100
250 190.3 75.2 112.8#
141 244.6 50.0 75.0#

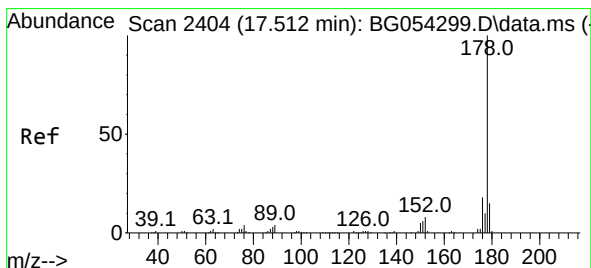
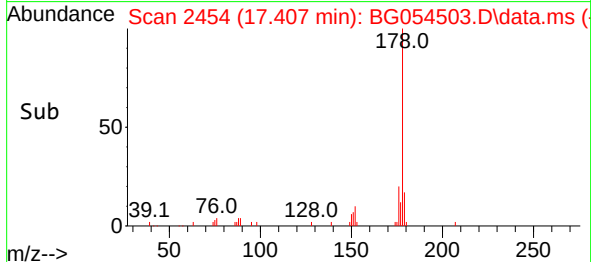
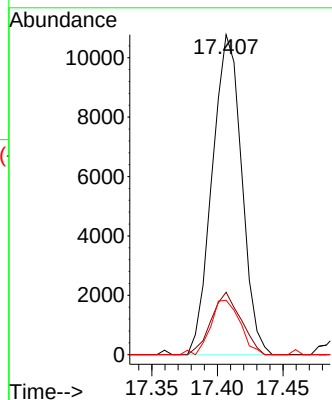
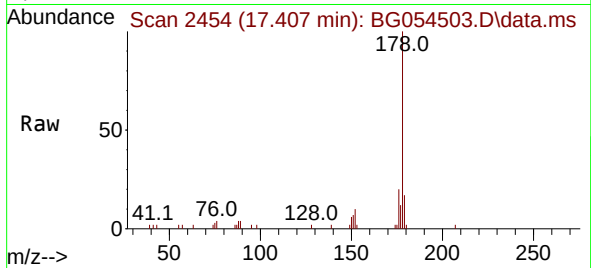




#71
Phenanthrene
Concen: 2.554 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

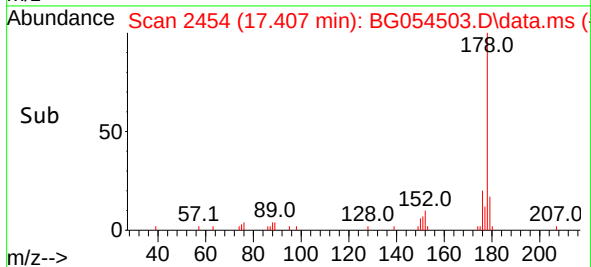
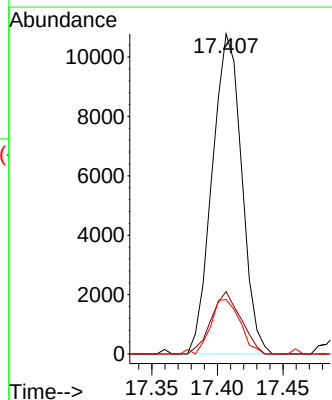
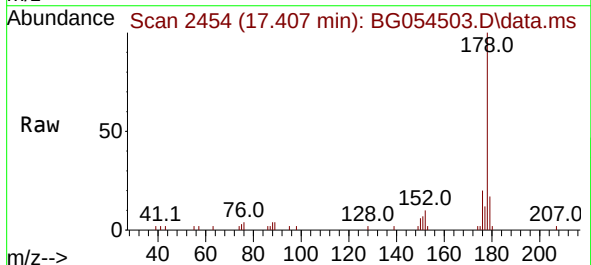
Instrument :
BNA_G
ClientSampleId :
RVE-142

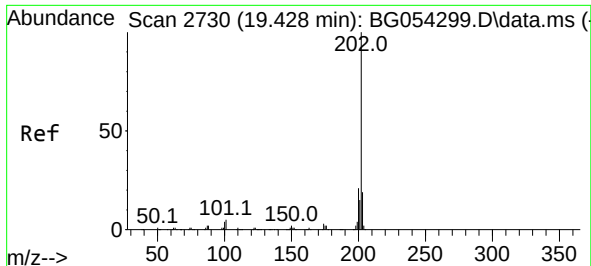
Tgt Ion:178 Resp: 16823
Ion Ratio Lower Upper
178 100
176 19.5 14.1 21.1
179 17.0 12.1 18.1



#72
Anthracene
Concen: 2.603 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.094 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

Tgt Ion:178 Resp: 16823
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 17.0 13.0 19.4

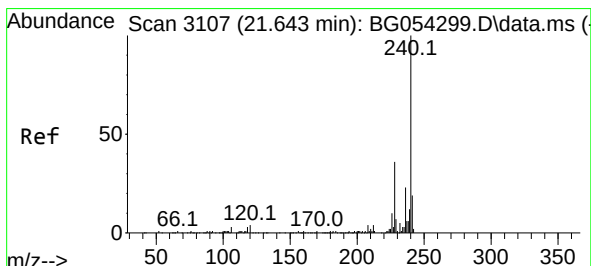
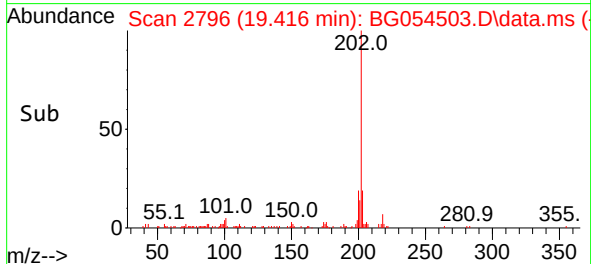
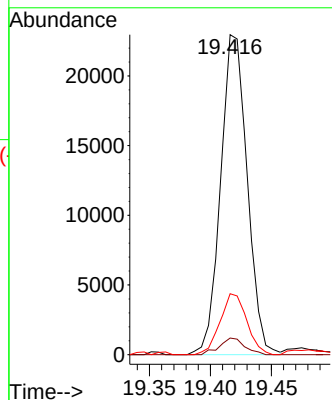
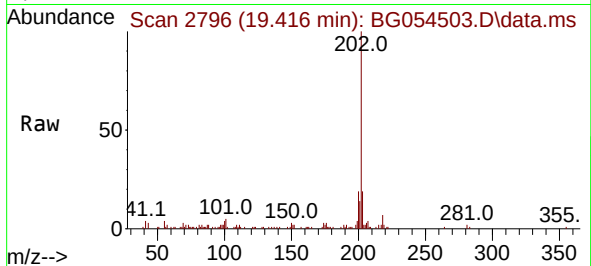




#75
Fluoranthene
Concen: 3.890 ng
RT: 19.416 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

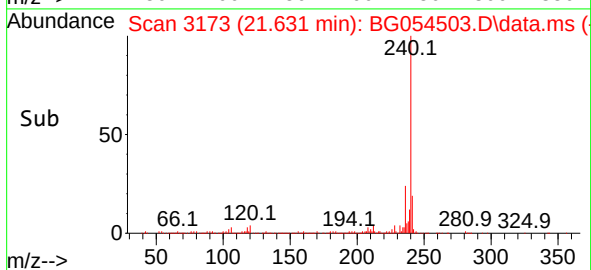
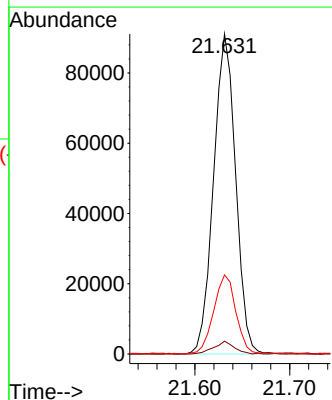
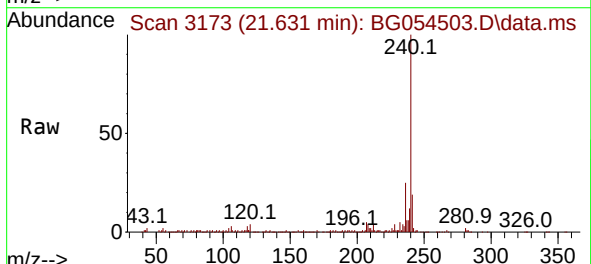
Instrument :
BNA_G
ClientSampleId :
RVE-142

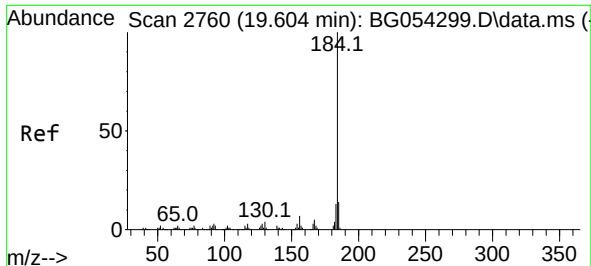
Tgt Ion:202 Resp: 34933
Ion Ratio Lower Upper
202 100
101 5.2 0.0 26.9
203 19.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

Tgt Ion:240 Resp: 147154
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 24.7 20.2 30.4

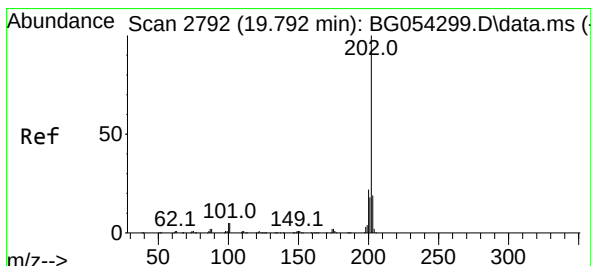
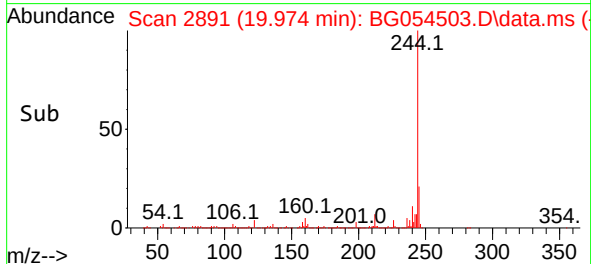
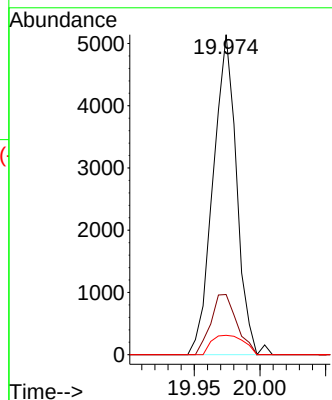
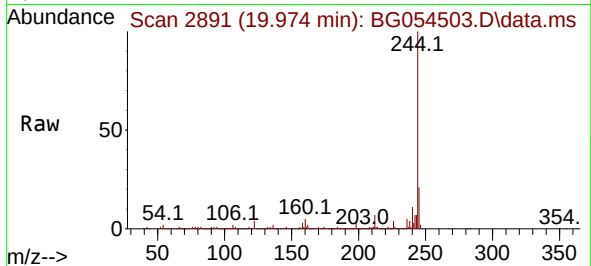




#77
Benzidine
Concen: 2.403 ng
RT: 19.974 min Scan# 2891
Delta R.T. 0.376 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

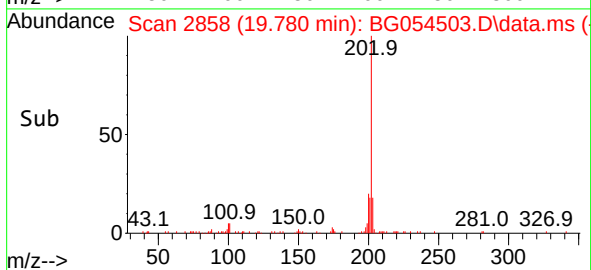
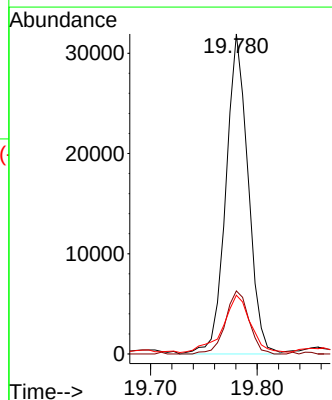
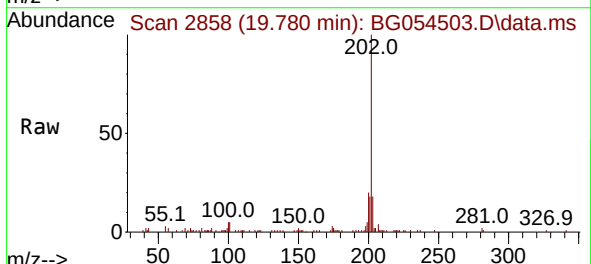
Instrument :
BNA_G
ClientSampleId :
RVE-142

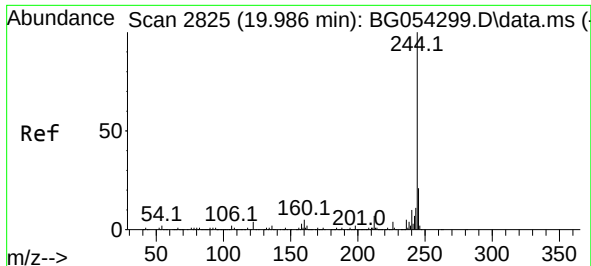
Tgt Ion:184 Resp: 6403
Ion Ratio Lower Upper
184 100
185 18.8 11.8 17.6#
183 6.1 8.9 13.3#



#78
Pyrene
Concen: 5.458 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.006 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

Tgt Ion:202 Resp: 46086
Ion Ratio Lower Upper
202 100
200 19.7 16.6 24.8
203 18.4 14.6 21.8

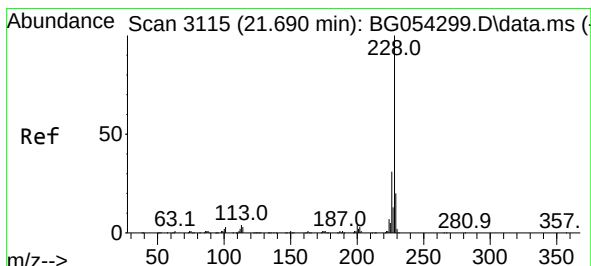
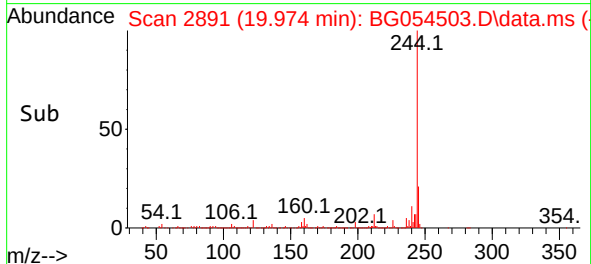
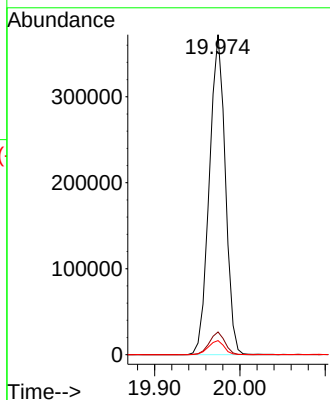
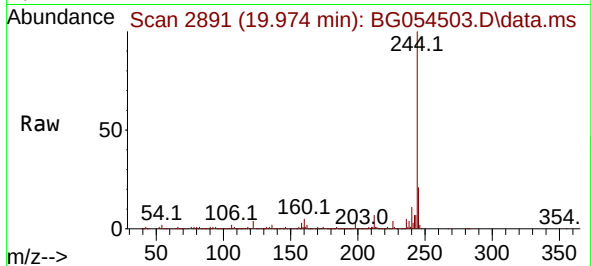




#79
 Terphenyl-d14
 Concen: 65.446 ng
 RT: 19.974 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG054503.D
 Acq: 3 Aug 2022 17:24

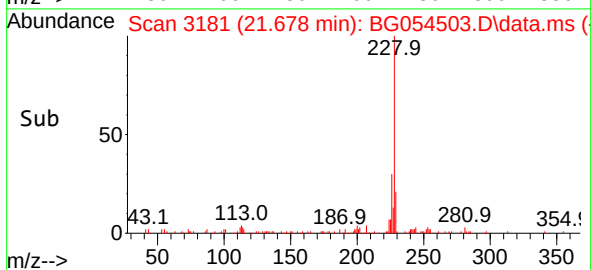
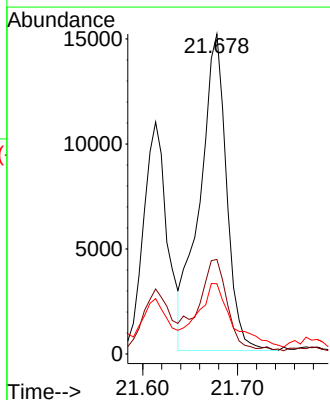
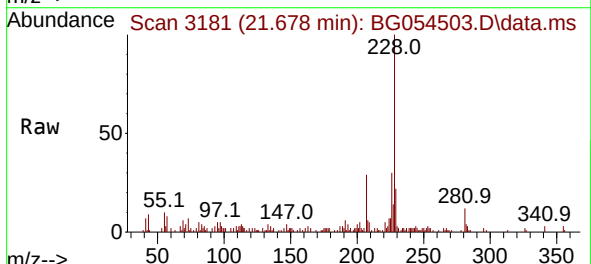
Instrument :
 BNA_G
 ClientSampleId :
 RVE-142

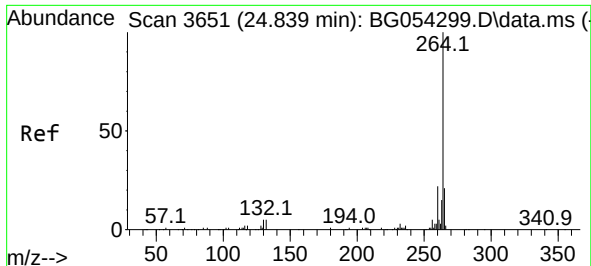
Tgt Ion:244 Resp: 485466
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.4 5.0 7.4#



#83
 Chrysene
 Concen: 3.356 ng
 RT: 21.678 min Scan# 3181
 Delta R.T. -0.006 min
 Lab File: BG054503.D
 Acq: 3 Aug 2022 17:24

Tgt Ion:228 Resp: 29621
 Ion Ratio Lower Upper
 228 100
 226 29.5 23.4 35.2
 229 21.9 15.5 23.3

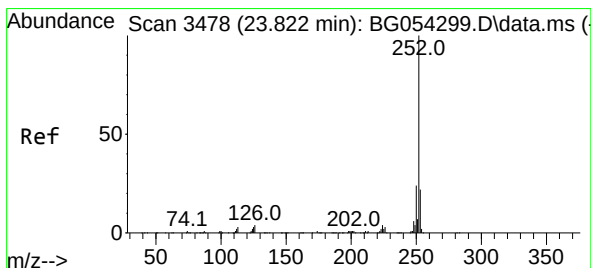
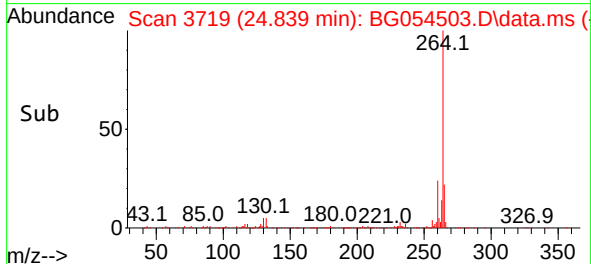
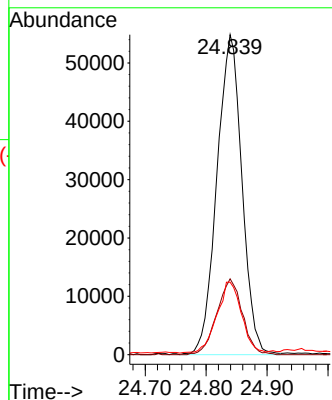
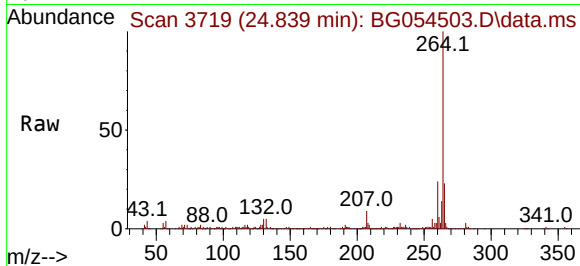




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.839 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BG054503.D
 Acq: 3 Aug 2022 17:24

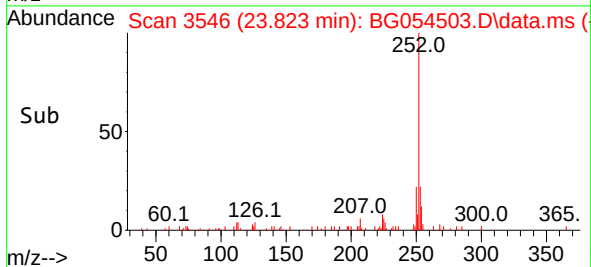
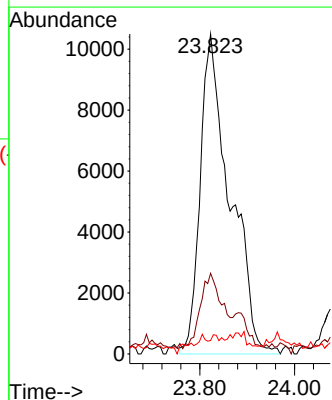
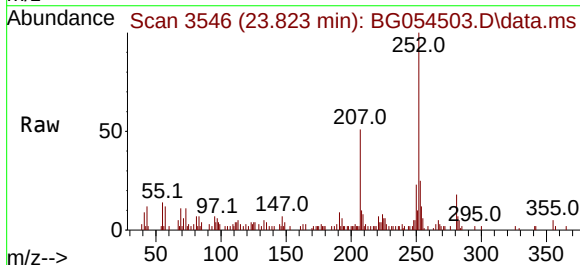
Instrument :
 BNA_G
 ClientSampleId :
 RVE-142

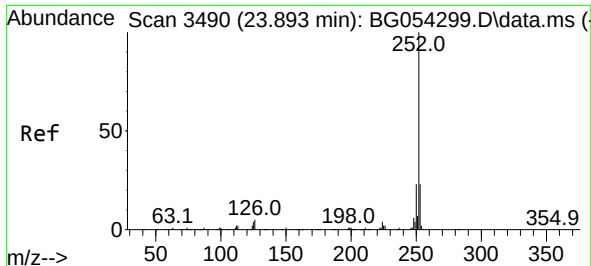
Tgt Ion:264 Resp: 156354
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.6
 265 22.6 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 4.951 ng
 RT: 23.823 min Scan# 3546
 Delta R.T. -0.000 min
 Lab File: BG054503.D
 Acq: 3 Aug 2022 17:24

Tgt Ion:252 Resp: 45777
 Ion Ratio Lower Upper
 252 100
 253 25.2 18.0 27.0
 125 4.2 4.6 6.8#

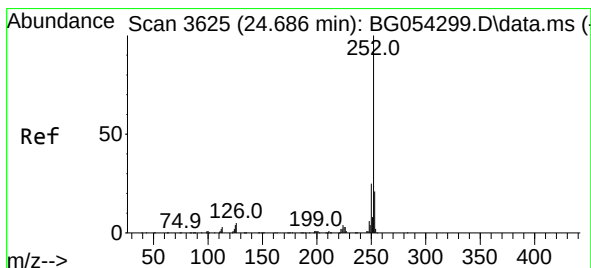
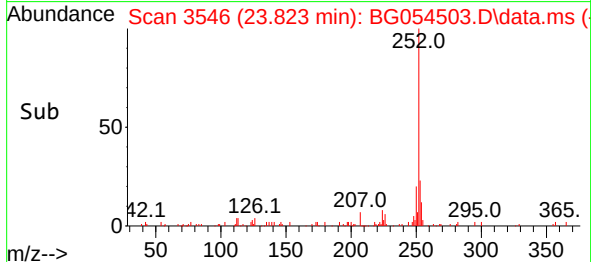
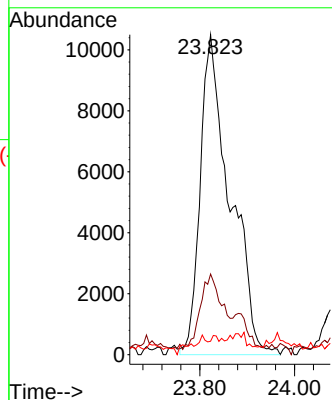
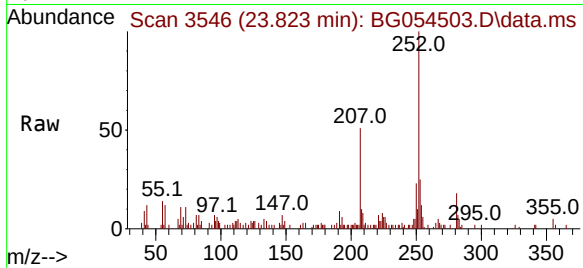




#89
Benzo(k)fluoranthene
Concen: 4.974 ng
RT: 23.823 min Scan# 31
Delta R.T. -0.065 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

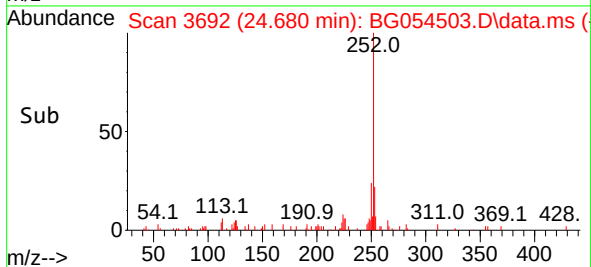
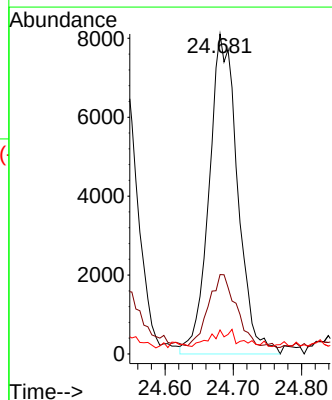
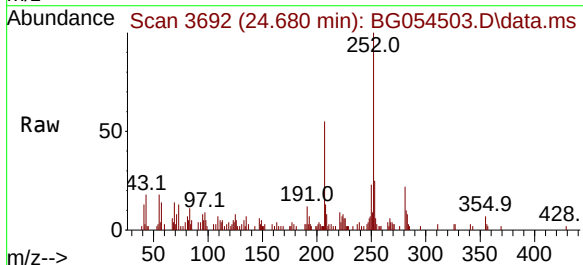
Instrument :
BNA_G
ClientSampleId :
RVE-142

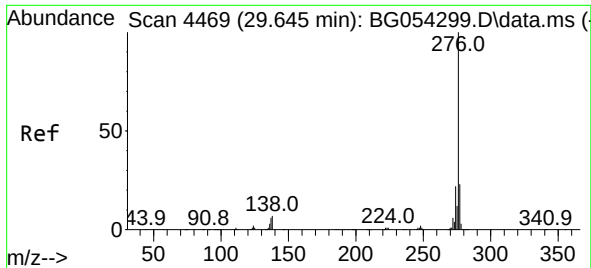
Tgt Ion:252 Resp: 45777
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 4.2 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 2.988 ng
RT: 24.680 min Scan# 3692
Delta R.T. -0.006 min
Lab File: BG054503.D
Acq: 3 Aug 2022 17:24

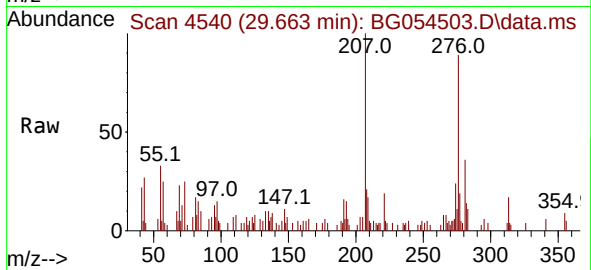
Tgt Ion:252 Resp: 23599
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 7.5 4.3 6.5#





#92
 Benzo(g,h,i)perylene
 Concen: 2.314 ng
 RT: 29.663 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: BG054503.D
 Acq: 3 Aug 2022 17:24

Instrument :
 BNA_G
 ClientSampleId :
 RVE-142



Tgt Ion:	276	Resp:	22339
Ion	Ratio	Lower	Upper
276	100		
277	21.4	17.3	25.9
138	10.6	9.6	14.4

