

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
 Data File : BG054481.D
 Acq On : 2 Aug 2022 13:21
 Operator : CG/JU
 Sample : N3896-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-71

Quant Time: Aug 03 04:13:28 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)

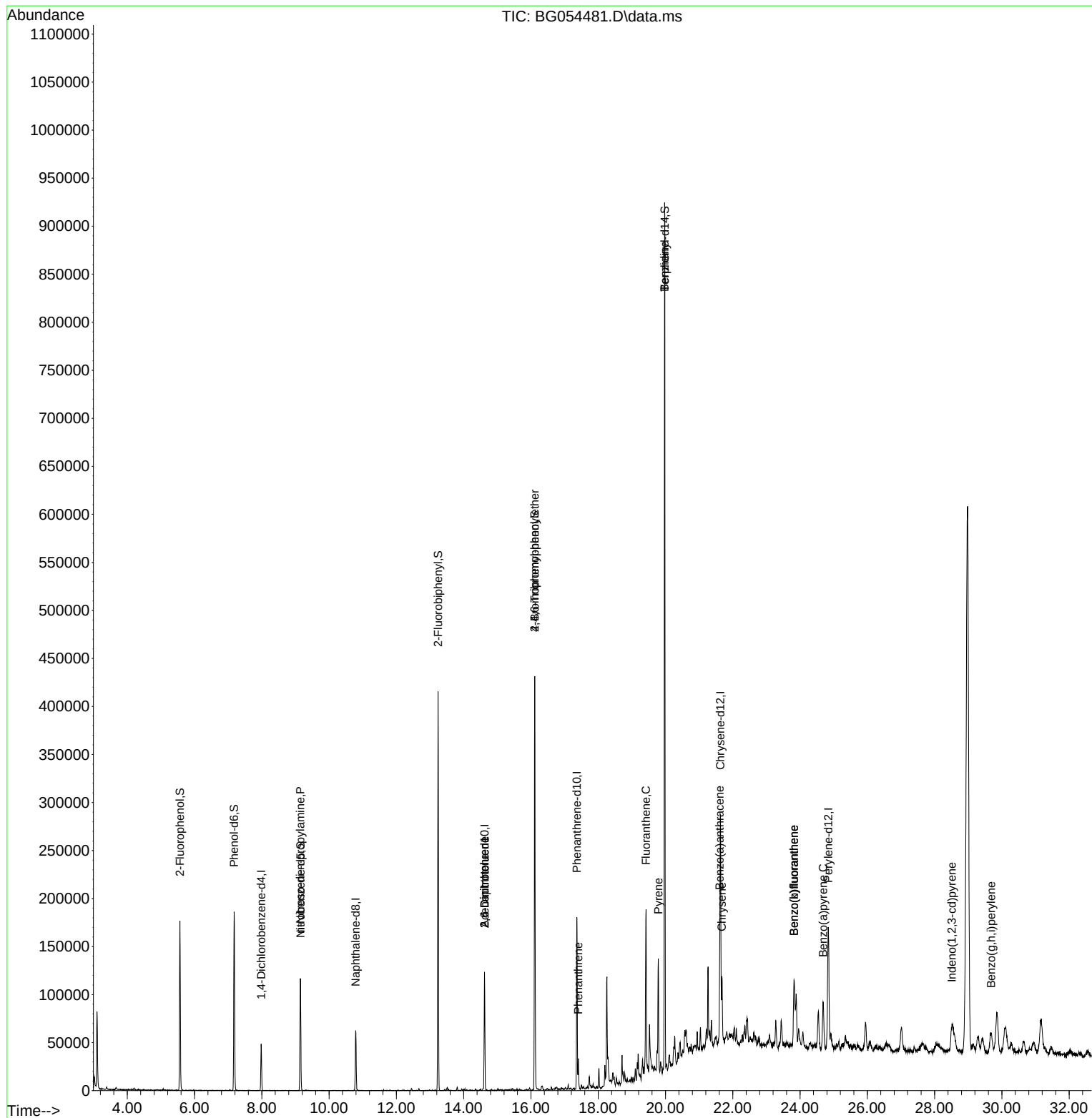
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.982	152	15221	20.000	ng	0.00
21) Naphthalene-d8	10.790	136	58780	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	47107	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	125447	20.000	ng	# 0.00
76) Chrysene-d12	21.631	240	142670	20.000	ng	# 0.00
86) Perylene-d12	24.839	264	152985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	80296	110.143	ng	0.00
7) Phenol-d6	7.177	99	107771	107.886	ng	0.00
23) Nitrobenzene-d5	9.151	82	72947	67.582	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	113227	114.478	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	232120	69.512	ng	0.00
79) Terphenyl-d14	19.980	244	526746	73.243	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.145	70	10158	15.228	ng	# 79
51) 2,6-Dinitrotoluene	14.621	165	6615	8.196	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	6615	5.717	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	6941	3.940	ng	# 1
71) Phenanthrene	17.412	178	23321	3.733	ng	96
75) Fluoranthene	19.421	202	88270	10.365	ng	95
77) Benzidine	19.974	184	7064	2.734	ng	# 88
78) Pyrene	19.786	202	84968	10.379	ng	99
81) Benzo(a)anthracene	21.613	228	60329	6.661	ng	97
83) Chrysene	21.678	228	57797	6.755	ng	97
87) Indeno(1,2,3-cd)pyrene	28.511	276	51590	4.433	ng	97
88) Benzo(b)fluoranthene	23.822	252	97453	10.771	ng	98
89) Benzo(k)fluoranthene	23.822	252	97453	10.823	ng	98
90) Benzo(a)pyrene	24.686	252	62651	8.109	ng	# 97
92) Benzo(g,h,i)perylene	29.680	276	48627	5.148	ng	# 96

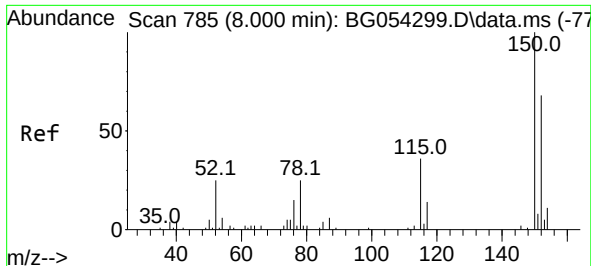
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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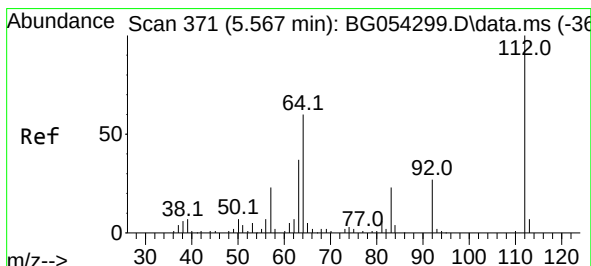
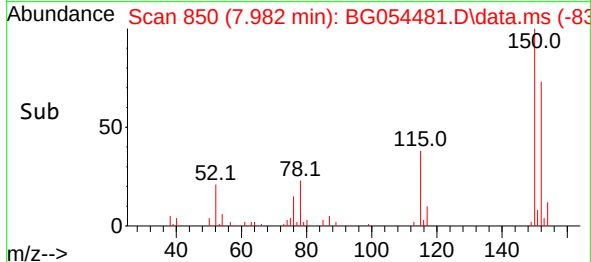
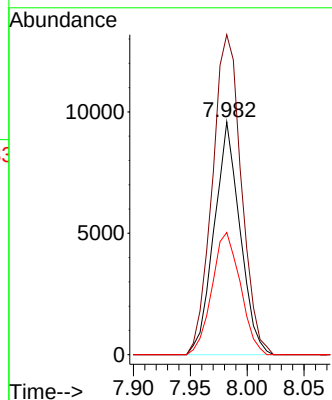
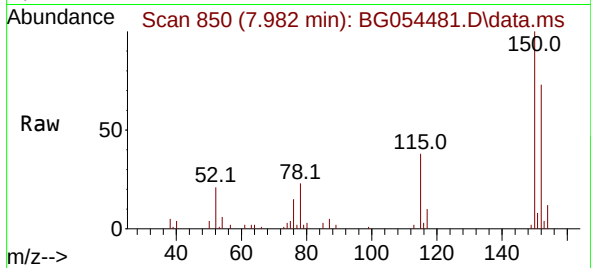




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.982 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

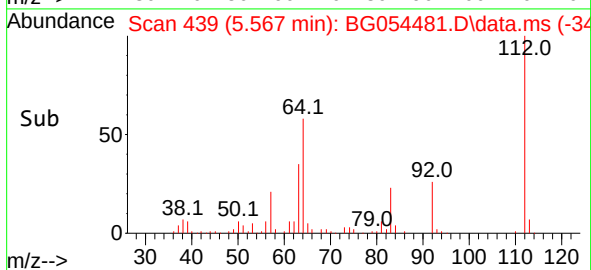
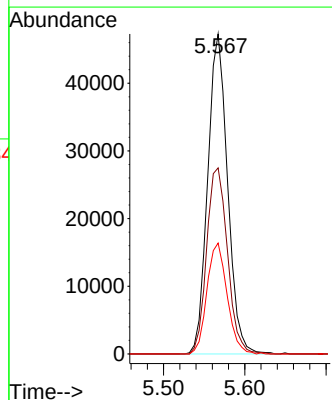
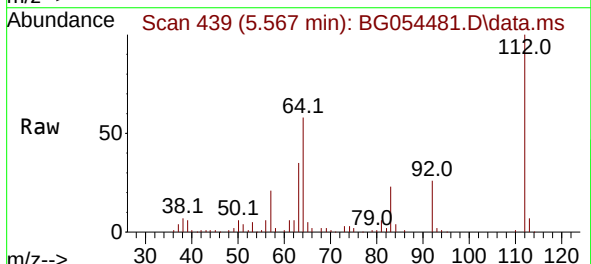
Instrument :
BNA_G
ClientSampleId :
RVE-71

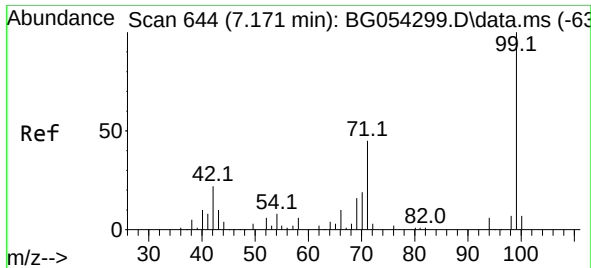
Tgt Ion:152 Resp: 15221
Ion Ratio Lower Upper
152 100
150 137.4 131.6 197.4
115 52.5 50.9 76.3



#5
2-Fluorophenol
Concen: 110.143 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Tgt Ion:112 Resp: 80296
Ion Ratio Lower Upper
112 100
64 58.2 55.1 82.7
63 34.7 30.4 45.6

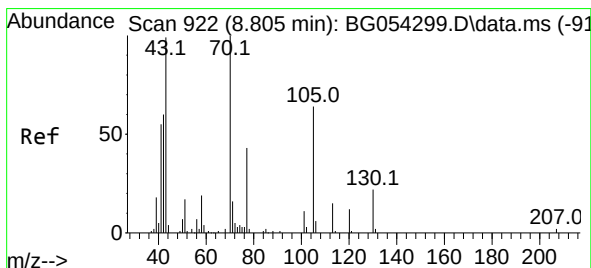
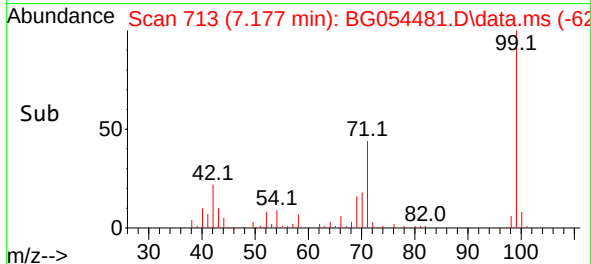
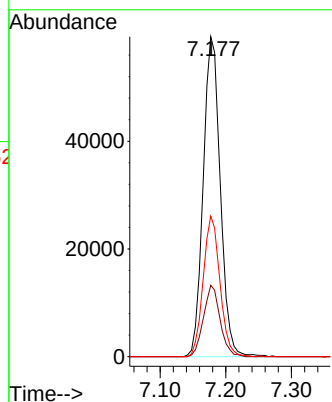
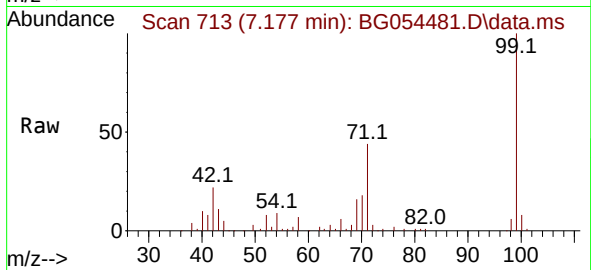




#7
Phenol-d6
Concen: 107.886 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

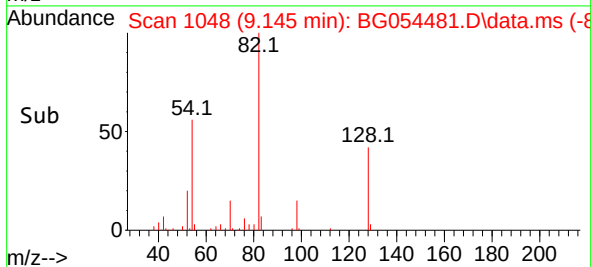
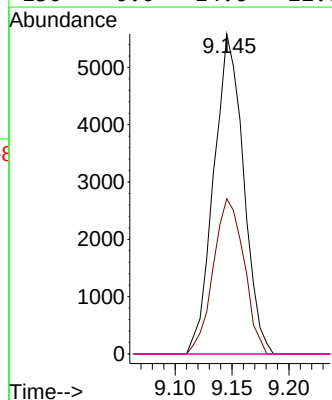
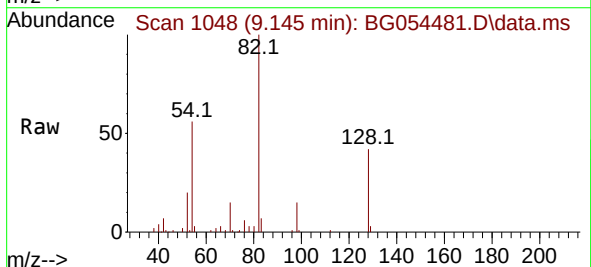
Instrument :
BNA_G
ClientSampleId :
RVE-71

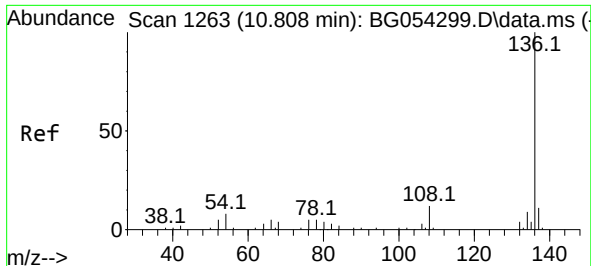
Tgt Ion: 99 Resp: 107771
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 43.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.228 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.352 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Tgt Ion: 70 Resp: 10158
Ion Ratio Lower Upper
70 100
42 48.5 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

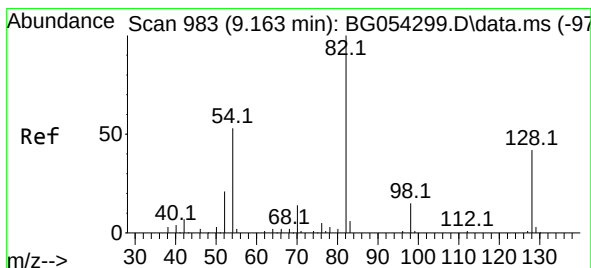
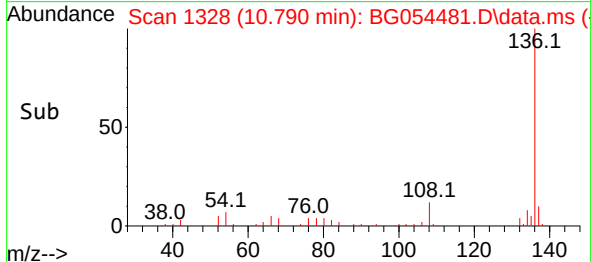
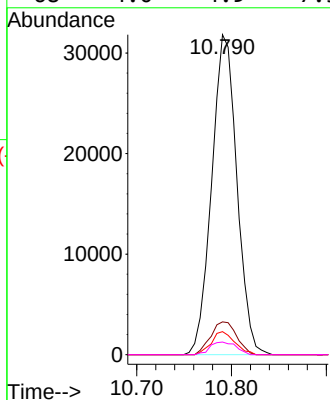
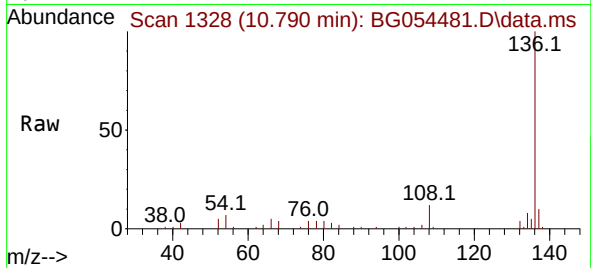




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.790 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

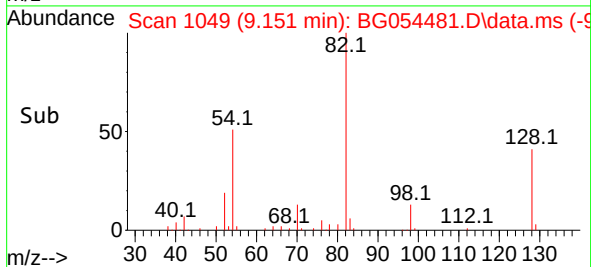
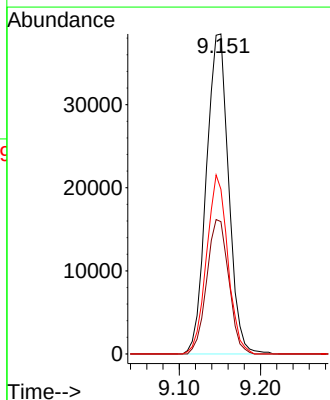
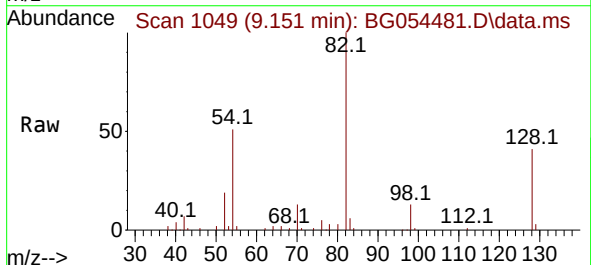
Instrument :
BNA_G
ClientSampleId :
RVE-71

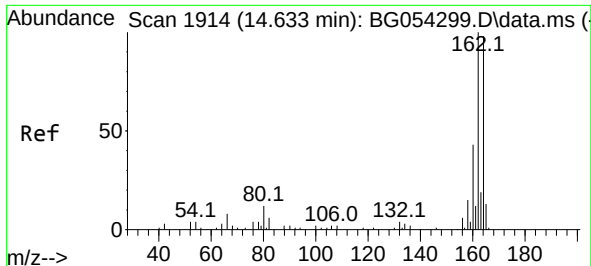
Tgt Ion:	136	Resp:	58780
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	7.2	7.4	11.2#
68	4.0	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 67.582 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Tgt Ion:	82	Resp:	72947
Ion	Ratio	Lower	Upper
82	100		
128	41.4	27.9	41.9
54	51.4	41.2	61.8

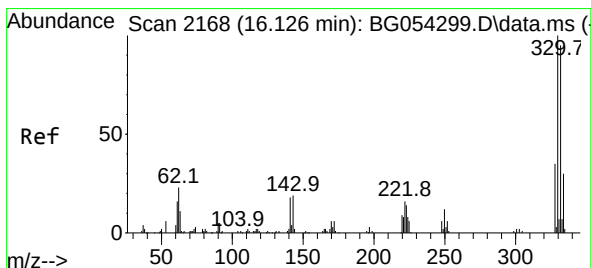
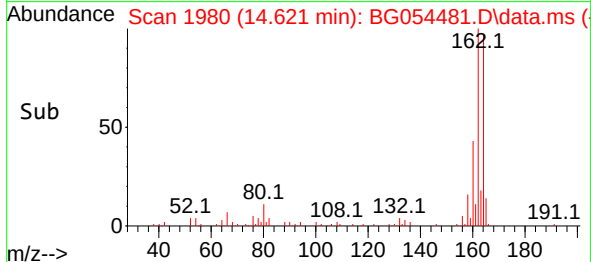
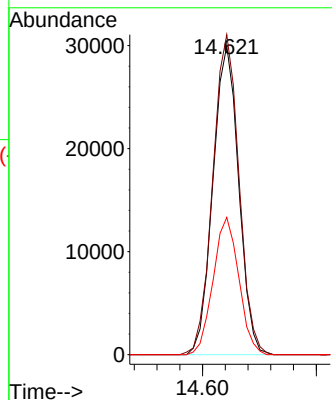
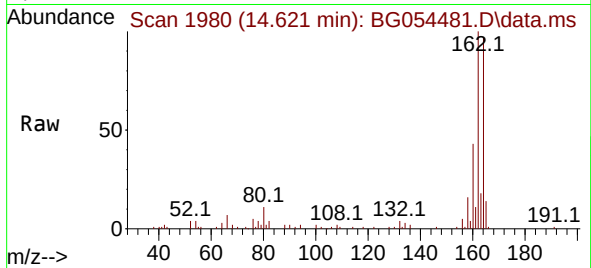




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1914
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

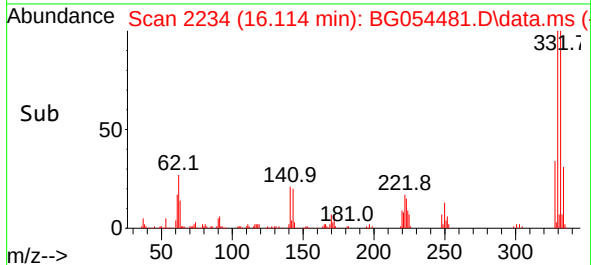
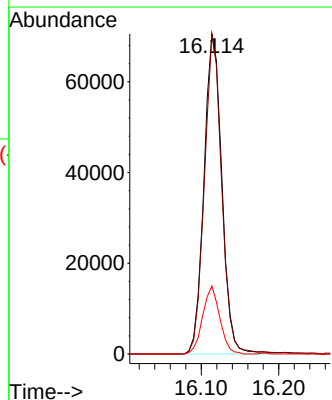
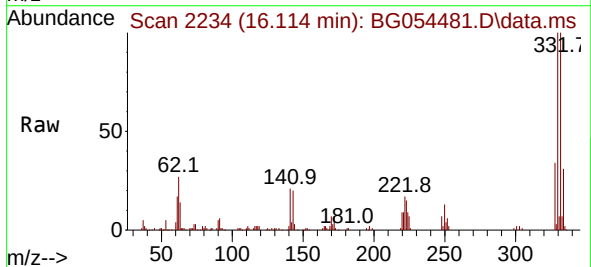
Instrument :
BNA_G
ClientSampleId :
RVE-71

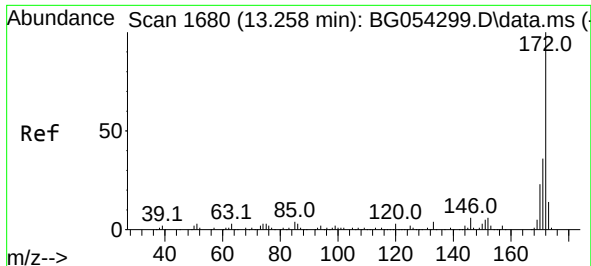
Tgt Ion:164 Resp: 47107
Ion Ratio Lower Upper
164 100
162 103.6 82.3 123.5
160 44.5 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 114.478 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Tgt Ion:330 Resp: 113227
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 20.2 27.1 40.7#

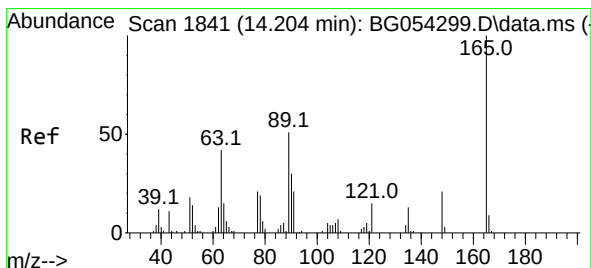
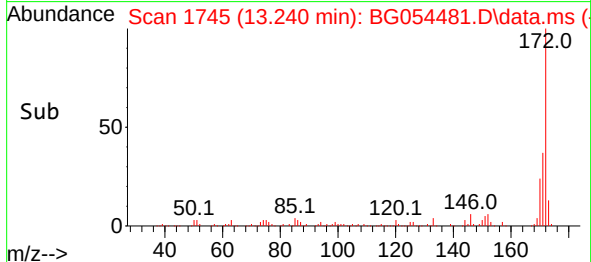
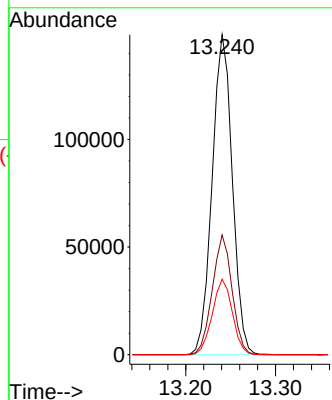
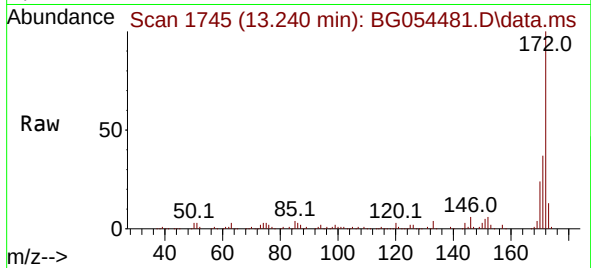




#45
2-Fluorobiphenyl
Concen: 69.512 ng
RT: 13.240 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

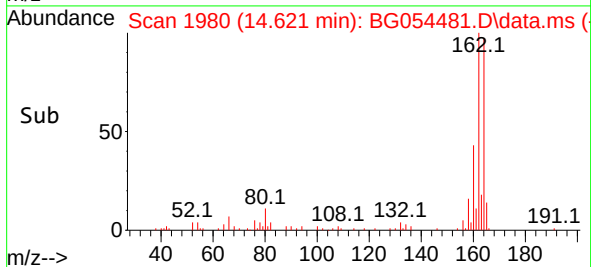
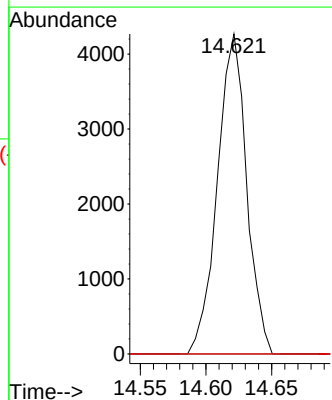
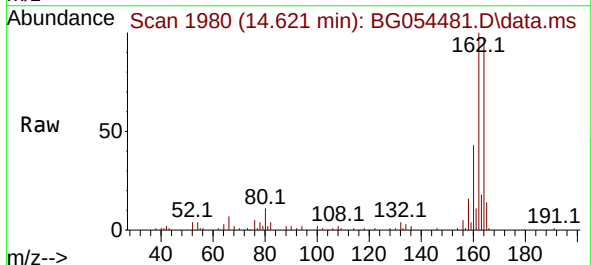
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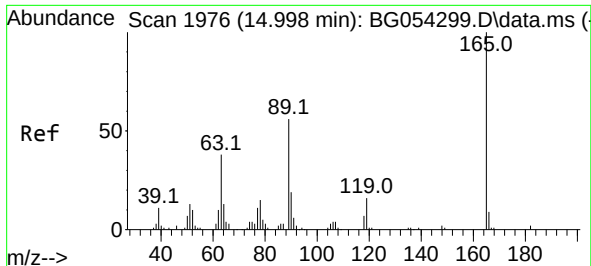
Tgt Ion:172 Resp: 232120
Ion Ratio Lower Upper
172 100
171 37.4 28.5 42.7
170 23.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.196 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.423 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Tgt Ion:165 Resp: 6615
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

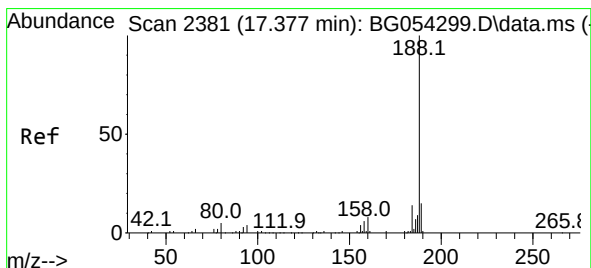
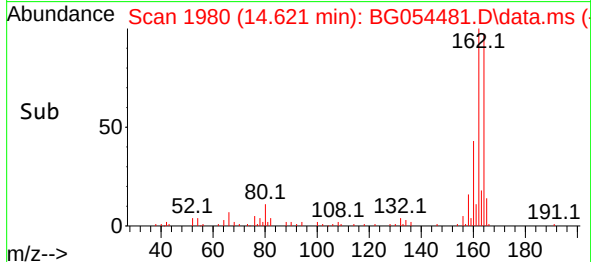
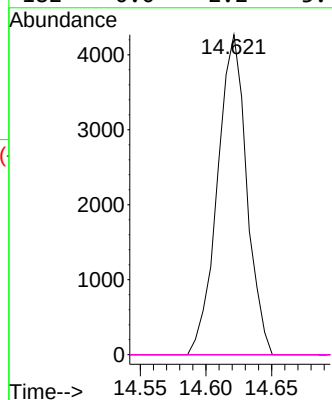
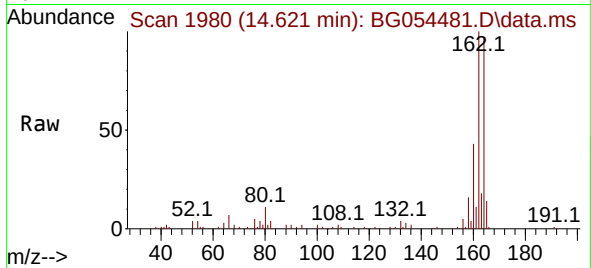




#57
2,4-Dinitrotoluene
Concen: 5.717 ng
RT: 14.621 min Scan# 1976
Delta R.T. -0.371 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

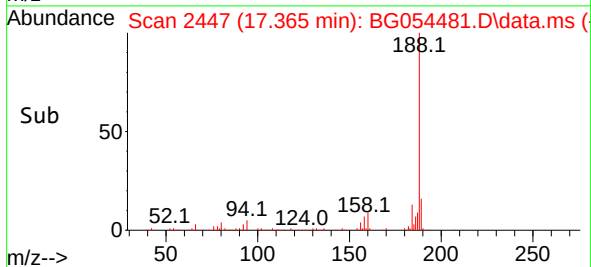
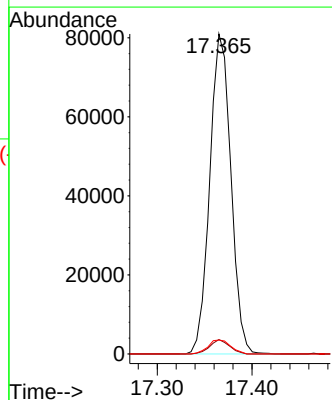
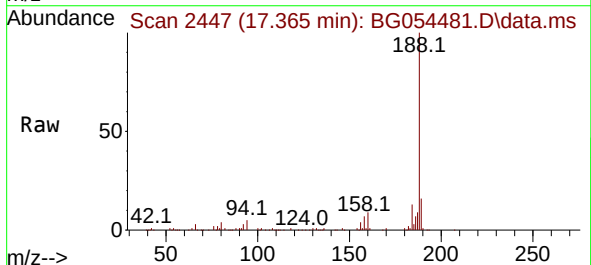
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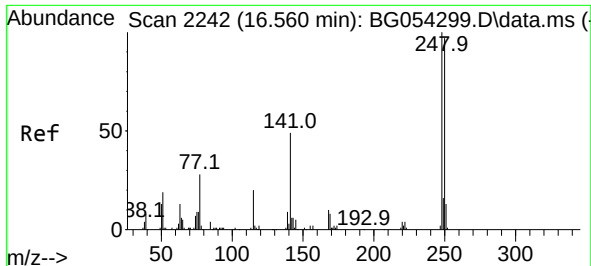
Tgt Ion:165 Resp: 6615
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Tgt Ion:188 Resp: 125447
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0#
80 4.3 6.8 10.2#

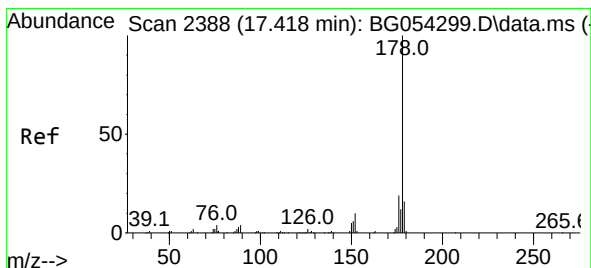
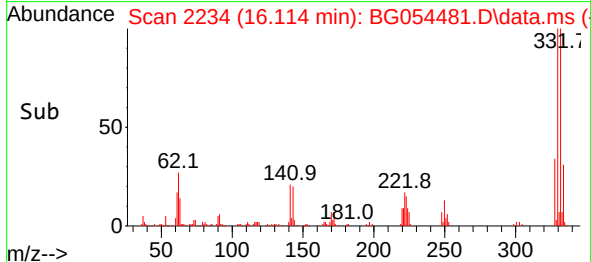
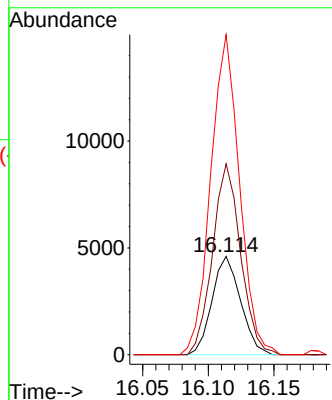
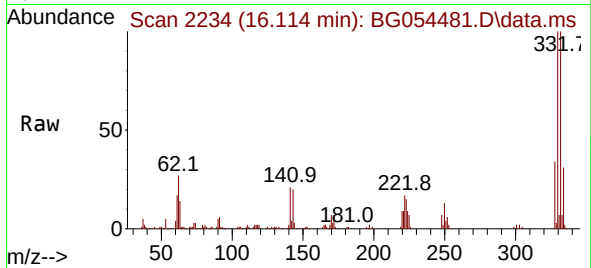




#67
4-Bromophenyl-phenylether
Concen: 3.940 ng
RT: 16.114 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

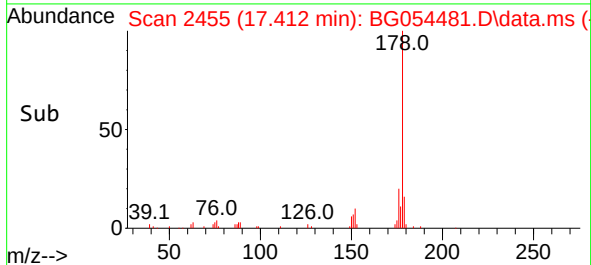
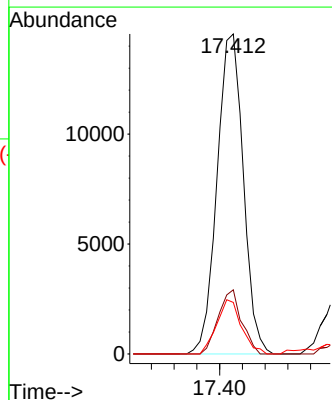
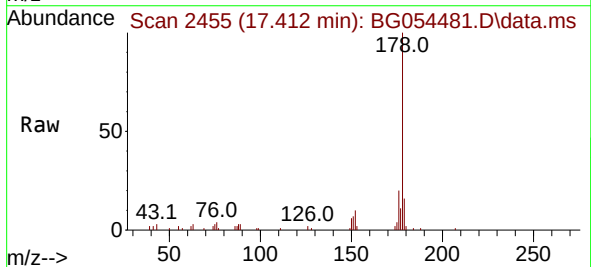
Instrument :
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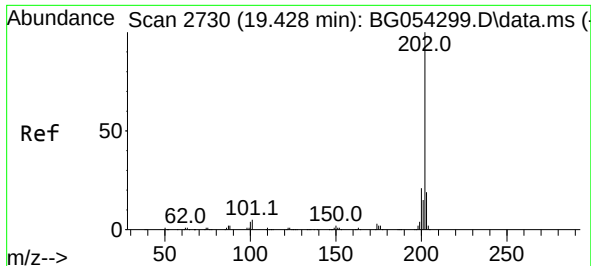
Tgt Ion:248 Resp: 6941
Ion Ratio Lower Upper
248 100
250 154.7 75.2 112.8#
141 259.2 50.0 75.0#



#71
Phenanthrene
Concen: 3.733 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Tgt Ion:178 Resp: 23321
Ion Ratio Lower Upper
178 100
176 20.1 14.1 21.1
179 16.1 12.1 18.1

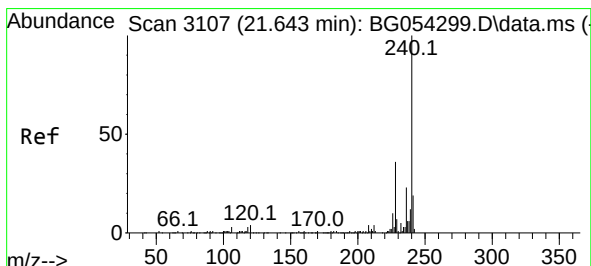
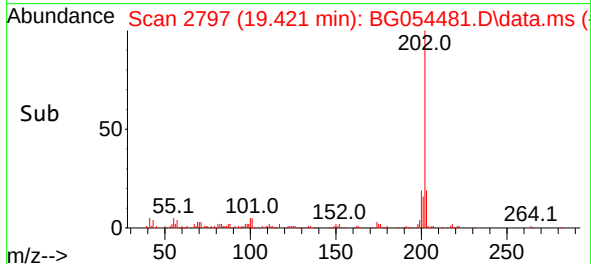
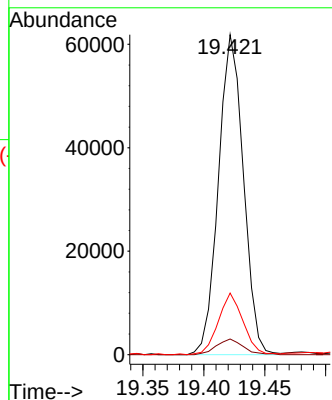
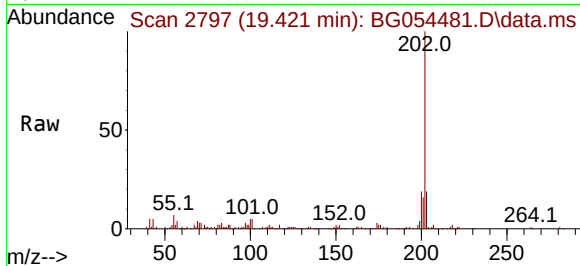




#75
Fluoranthene
Concen: 10.365 ng
RT: 19.421 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

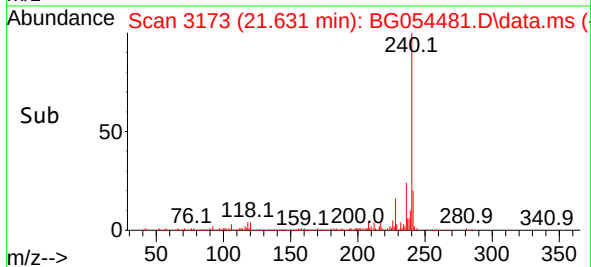
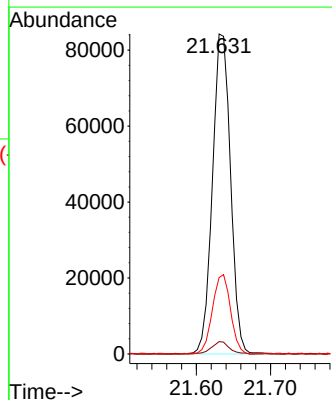
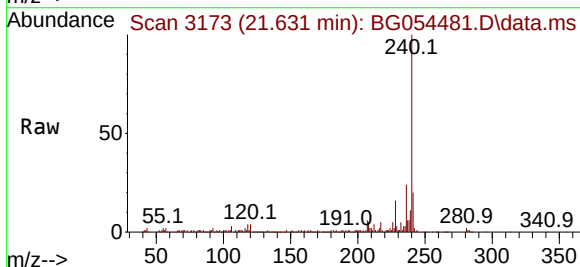
Instrument :
BNA_G
ClientSampleId :
RVE-71

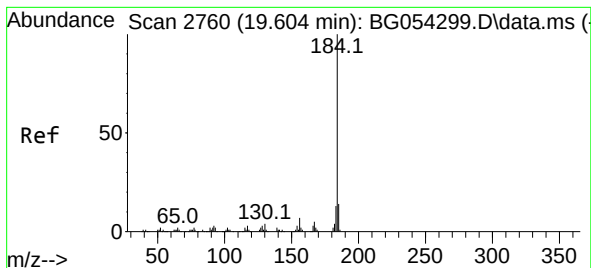
Tgt Ion:202 Resp: 88270
Ion Ratio Lower Upper
202 100
101 4.9 0.0 26.9
203 19.3 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.631 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Tgt Ion:240 Resp: 142670
Ion Ratio Lower Upper
240 100
120 3.8 4.6 7.0#
236 23.9 20.2 30.4





#77

Benzidine

Concen: 2.734 ng

RT: 19.974 min Scan# 2891

Delta R.T. 0.375 min

Lab File: BG054481.D

Acq: 2 Aug 2022 13:21

Instrument :

BNA_G

ClientSampleId :

RVE-71

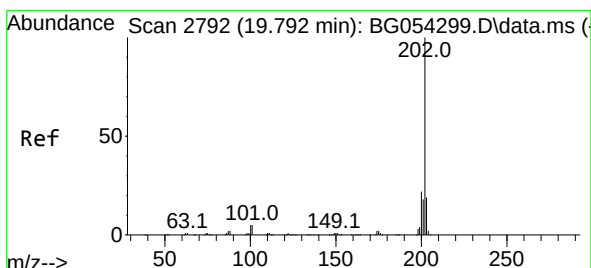
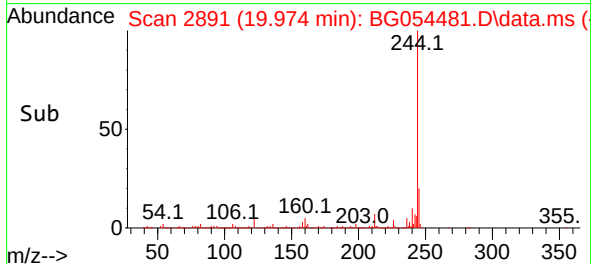
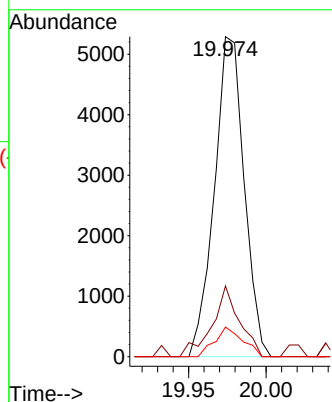
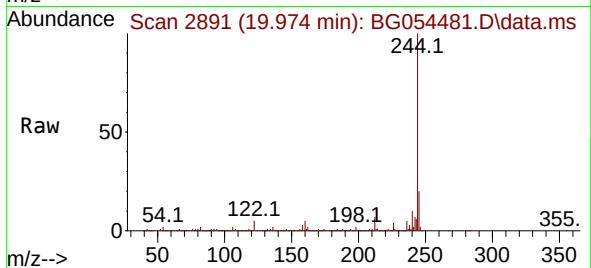
Tgt Ion:184 Resp: 7064

Ion Ratio Lower Upper

184 100

185 22.1 11.8 17.6#

183 9.3 8.9 13.3



#78

Pyrene

Concen: 10.379 ng

RT: 19.786 min Scan# 2859

Delta R.T. -0.001 min

Lab File: BG054481.D

Acq: 2 Aug 2022 13:21

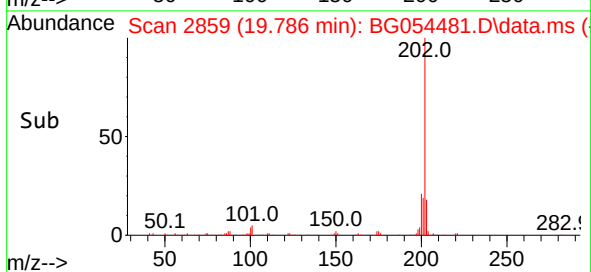
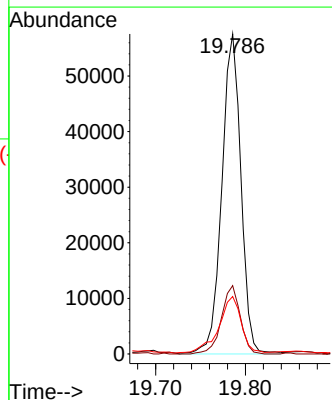
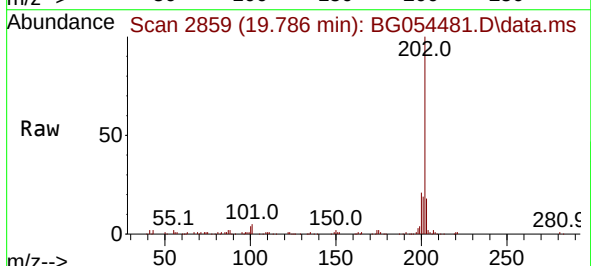
Tgt Ion:202 Resp: 84968

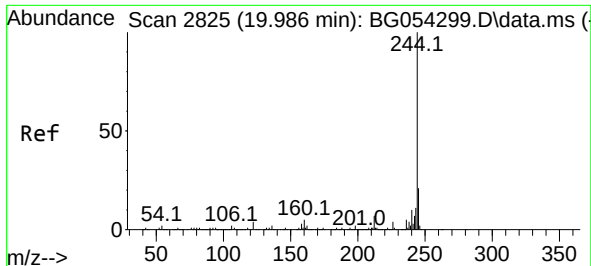
Ion Ratio Lower Upper

202 100

200 21.4 16.6 24.8

203 17.9 14.6 21.8

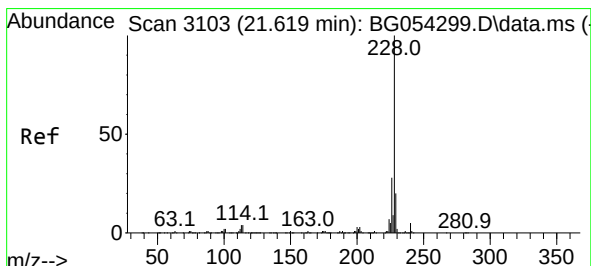
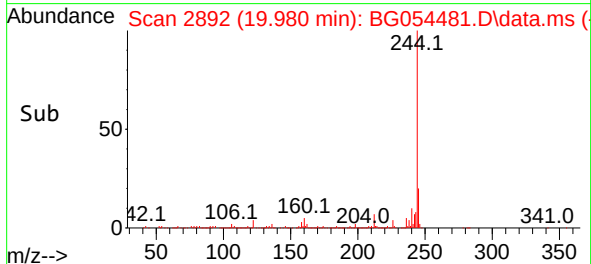
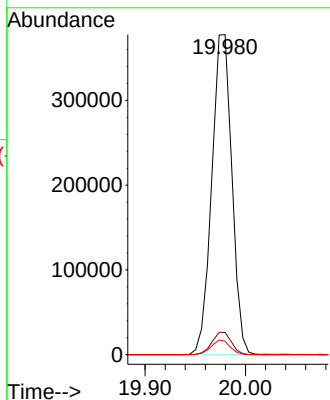
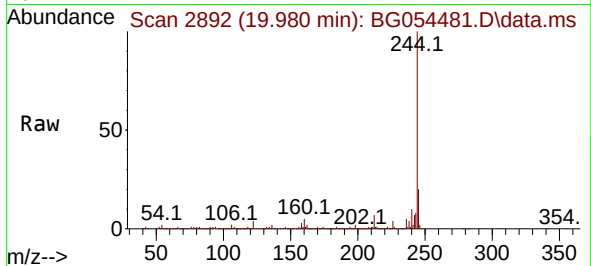




#79
 Terphenyl-d14
 Concen: 73.243 ng
 RT: 19.980 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054481.D
 Acq: 2 Aug 2022 13:21

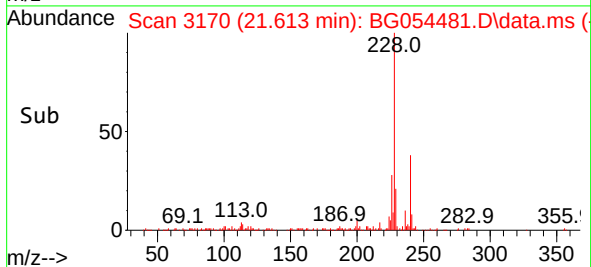
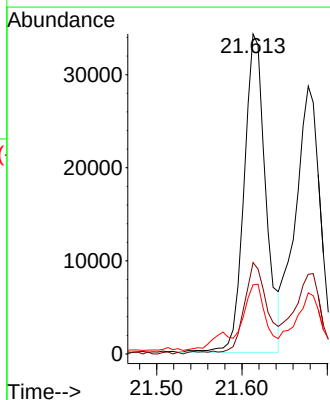
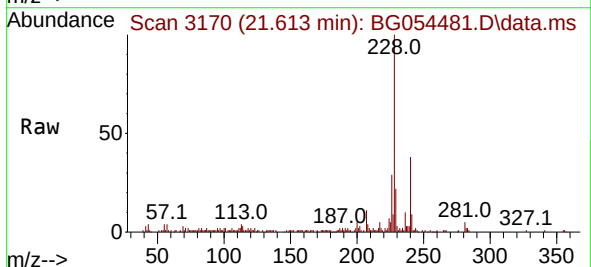
Instrument :
 BNA_G
 ClientSampleId :
 RVE-71

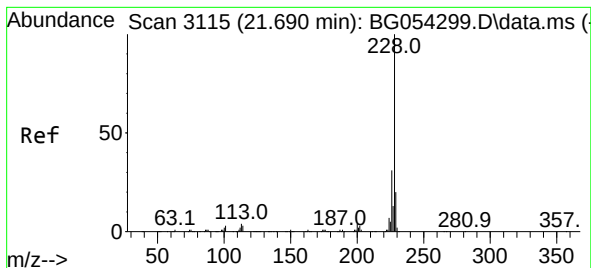
Tgt Ion:244 Resp: 526746
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 4.2 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 6.661 ng
 RT: 21.613 min Scan# 3170
 Delta R.T. -0.001 min
 Lab File: BG054481.D
 Acq: 2 Aug 2022 13:21

Tgt Ion:228 Resp: 60329
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.6 32.4
 229 21.6 16.2 24.2





#83

Chrysene

Concen: 6.755 ng

RT: 21.678 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BG054481.D

Acq: 2 Aug 2022 13:21

Instrument :

BNA_G

ClientSampleId :

RVE-71

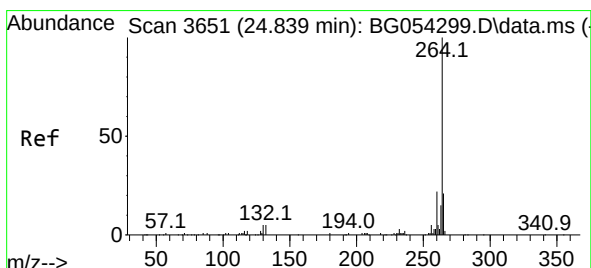
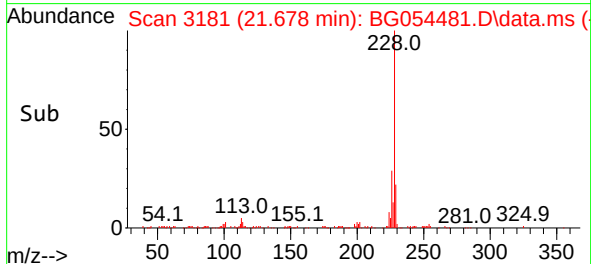
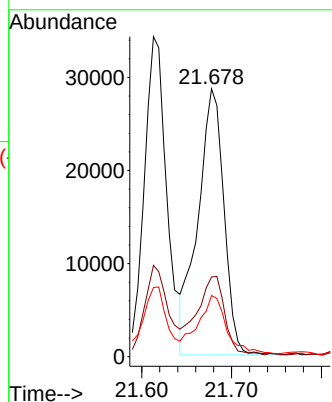
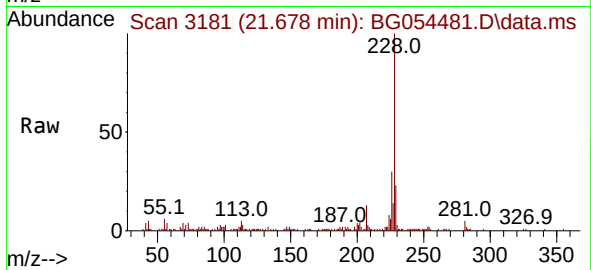
Tgt Ion:228 Resp: 57797

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

229 22.8 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.839 min Scan# 3719

Delta R.T. 0.005 min

Lab File: BG054481.D

Acq: 2 Aug 2022 13:21

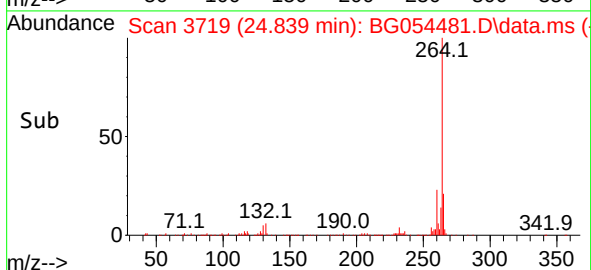
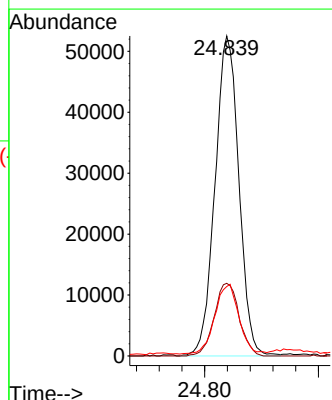
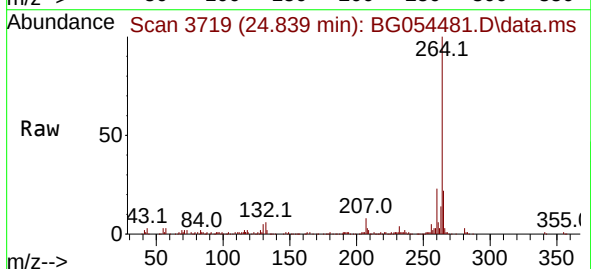
Tgt Ion:264 Resp: 152985

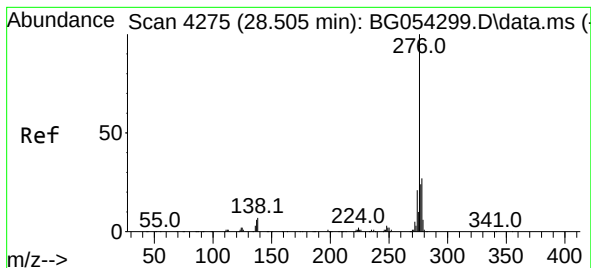
Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.6

265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.433 ng

RT: 28.511 min Scan# 41

Delta R.T. -0.006 min

Lab File: BG054481.D

Acq: 2 Aug 2022 13:21

Instrument :

BNA_G

ClientSampleId :

RVE-71

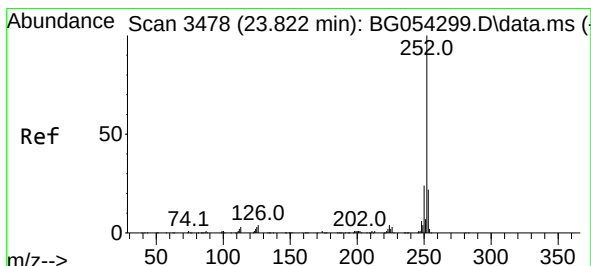
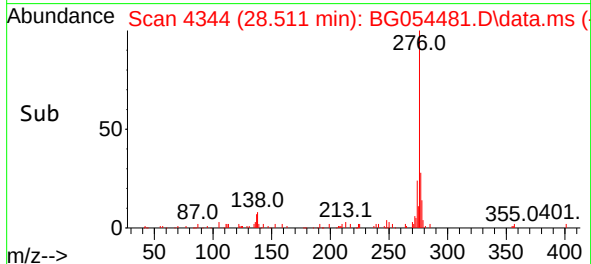
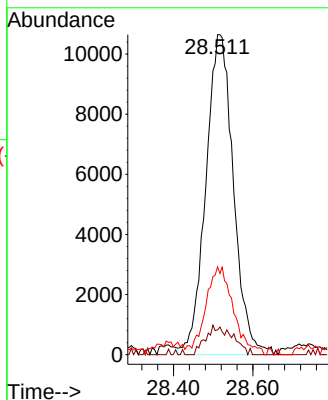
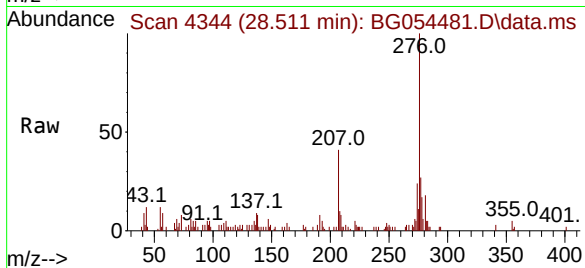
Tgt Ion:276 Resp: 51590

Ion Ratio Lower Upper

276 100

138 5.6 5.0 7.4

277 27.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 10.771 ng

RT: 23.822 min Scan# 3546

Delta R.T. -0.001 min

Lab File: BG054481.D

Acq: 2 Aug 2022 13:21

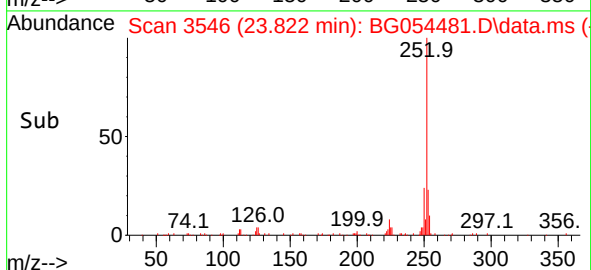
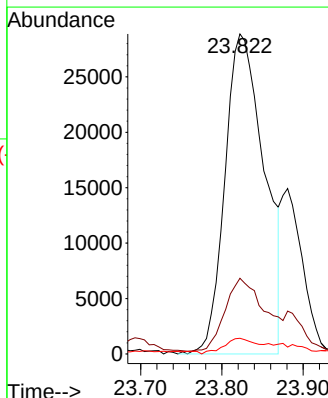
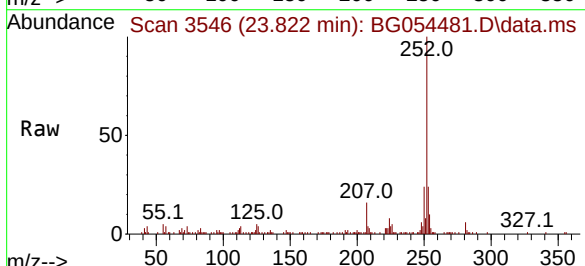
Tgt Ion:252 Resp: 97453

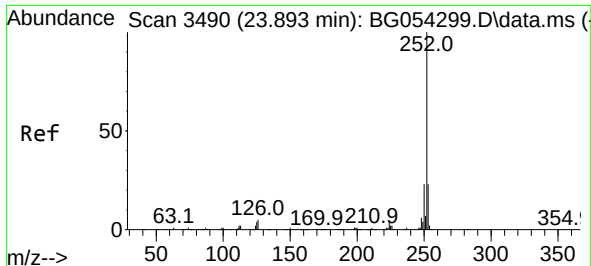
Ion Ratio Lower Upper

252 100

253 23.6 18.0 27.0

125 4.9 4.6 6.8

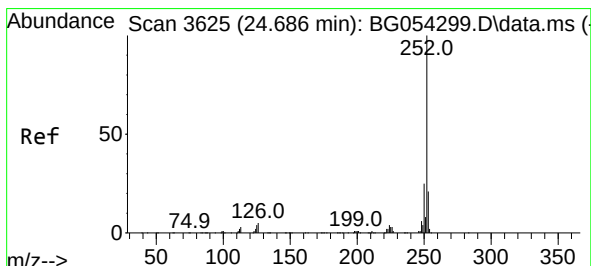
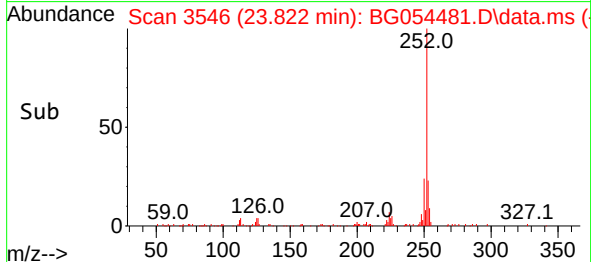
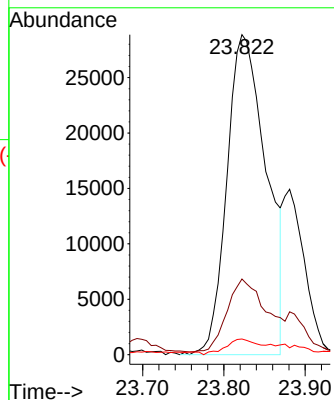
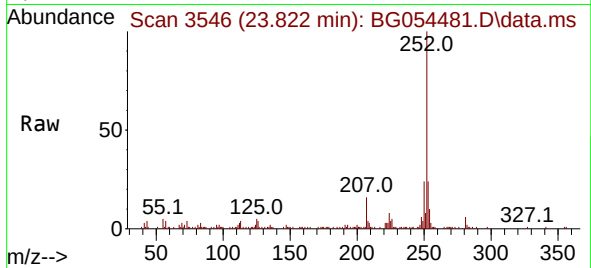




#89
Benzo(k)fluoranthene
Concen: 10.823 ng
RT: 23.822 min Scan# 31
Delta R.T. -0.065 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

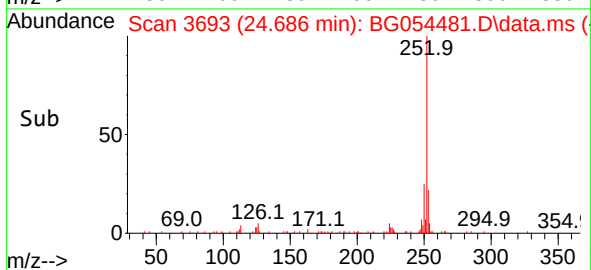
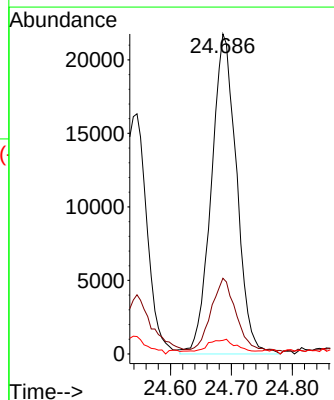
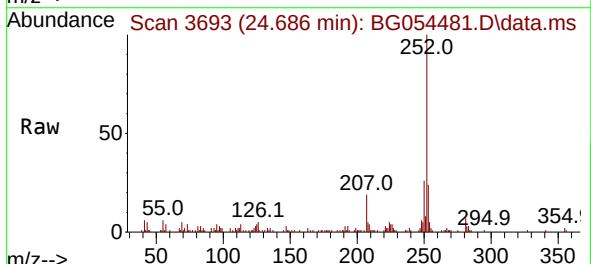
Instrument :
BNA_G
ClientSampleId :
RVE-71

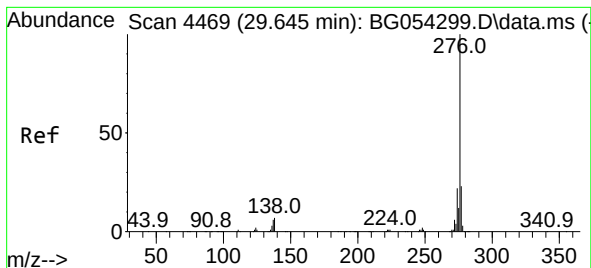
Tgt Ion:252 Resp: 97453
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 4.9 4.8 7.2



#90
Benzo(a)pyrene
Concen: 8.109 ng
RT: 24.686 min Scan# 3693
Delta R.T. -0.001 min
Lab File: BG054481.D
Acq: 2 Aug 2022 13:21

Tgt Ion:252 Resp: 62651
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 4.3 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 5.148 ng

RT: 29.680 min Scan# 4

Delta R.T. 0.017 min

Lab File: BG054481.D

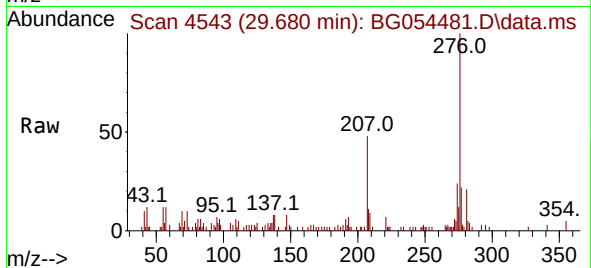
Acq: 2 Aug 2022 13:21

Instrument :

BNA_G

ClientSampleId :

RVE-71



Tgt Ion:276 Resp: 48627

Ion Ratio Lower Upper

276 100

277 22.5 17.3 25.9

138 8.4 9.6 14.4#

