

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080222\
 Data File : BG054491.D
 Acq On : 2 Aug 2022 20:20
 Operator : CG/JU
 Sample : N3895-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-49

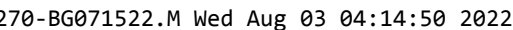
Quant Time: Aug 03 04:14:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

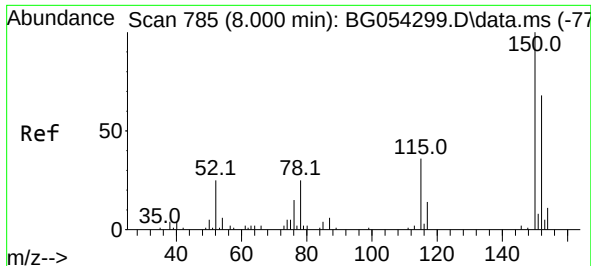
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.988	152	19279	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	71500	20.000	ng	# 0.00
39) Acenaphthene-d10	14.627	164	52667	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	129547	20.000	ng	# 0.00
76) Chrysene-d12	21.642	240	146076	20.000	ng	# 0.00
86) Perylene-d12	24.856	264	145054	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.573	112	87116	94.345	ng	0.01
7) Phenol-d6	7.189	99	121075	95.692	ng	0.02
23) Nitrobenzene-d5	9.151	82	81048	61.729	ng	0.00
42) 2,4,6-Tribromophenol	16.125	330	109953	99.432	ng	0.01
45) 2-Fluorobiphenyl	13.246	172	245802	65.838	ng	0.00
79) Terphenyl-d14	19.980	244	487926	66.263	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.151	70	11335	13.416	ng	# 78
51) 2,6-Dinitrotoluene	14.627	165	7116	7.886	ng	# 16
57) 2,4-Dinitrotoluene	14.627	165	7116	5.501	ng	# 21
67) 4-Bromophenyl-phenylether	16.125	248	6549	3.599	ng	# 1
71) Phenanthrene	17.412	178	13538	2.098	ng	96
72) Anthracene	17.412	178	13538	2.138	ng	99
75) Fluoranthene	19.427	202	33133	3.768	ng	95
77) Benzidine	19.980	184	6769	2.559	ng	# 92
78) Pyrene	19.792	202	46307	5.525	ng	98
81) Benzo(a)anthracene	21.625	228	24275	2.618	ng	# 94
83) Chrysene	21.684	228	33591	3.834	ng	# 93
88) Benzo(b)fluoranthene	23.846	252	47761	5.568	ng	96
89) Benzo(k)fluoranthene	23.846	252	47761	5.594	ng	97
90) Benzo(a)pyrene	24.704	252	25215	3.442	ng	# 89

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

Quant Time: Aug 03 04:14:46 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
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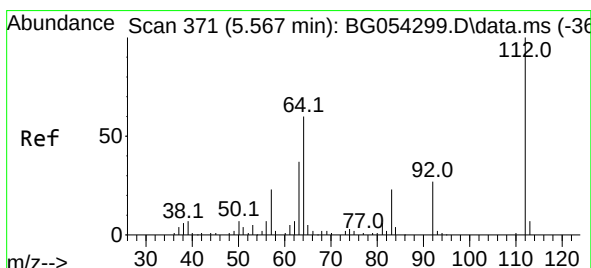
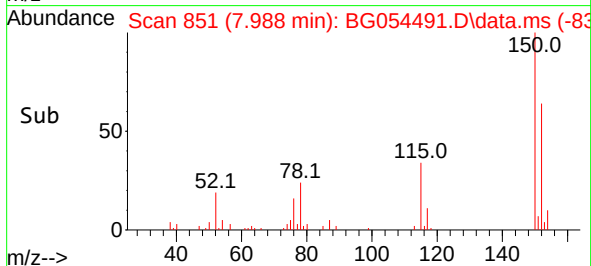
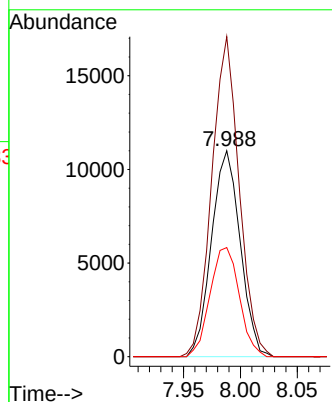
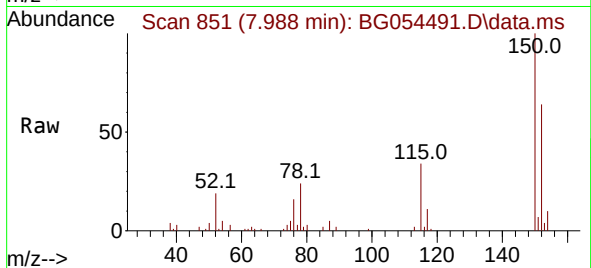




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.988 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

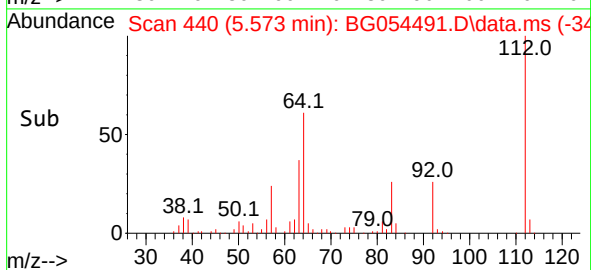
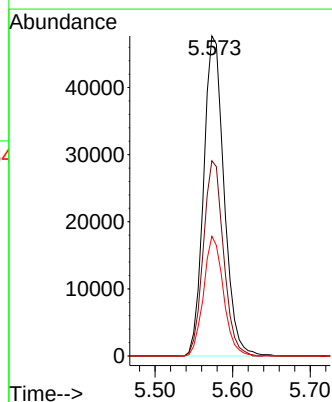
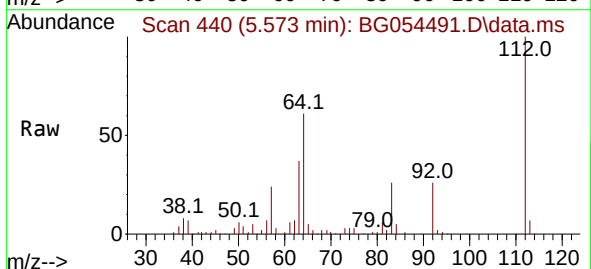
Instrument :
BNA_G
ClientSampleId :
RVE-49

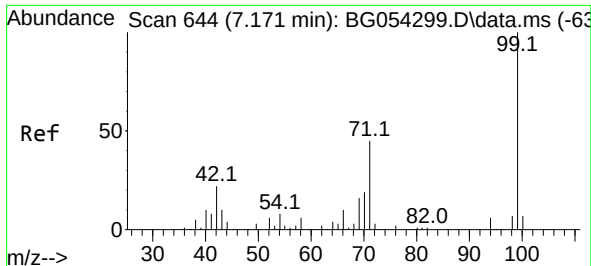
Tgt Ion:152 Resp: 19279
Ion Ratio Lower Upper
152 100
150 155.3 131.6 197.4
115 52.9 50.9 76.3



#5
2-Fluorophenol
Concen: 94.345 ng
RT: 5.573 min Scan# 440
Delta R.T. 0.011 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

Tgt Ion:112 Resp: 87116
Ion Ratio Lower Upper
112 100
64 61.0 55.1 82.7
63 37.4 30.4 45.6

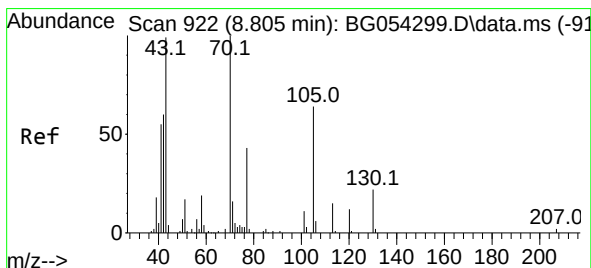
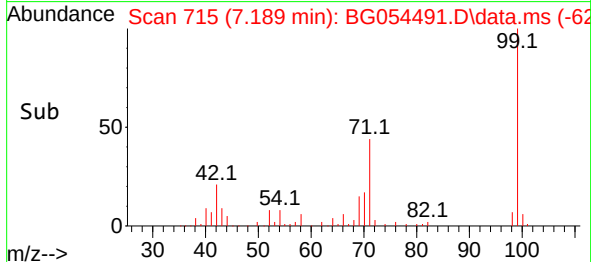
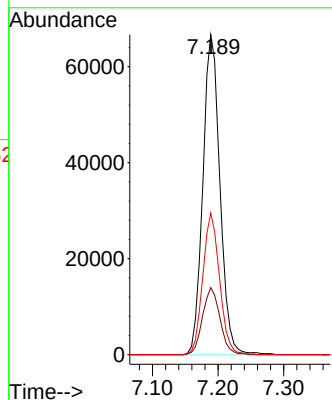
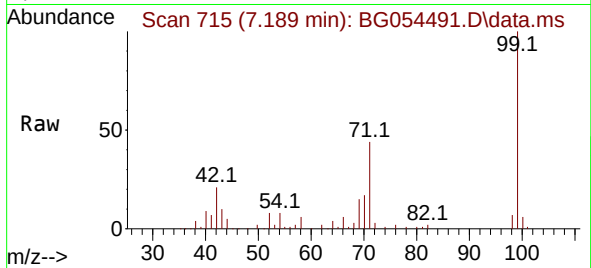




#7
Phenol-d6
Concen: 95.692 ng
RT: 7.189 min Scan# 71
Delta R.T. 0.017 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

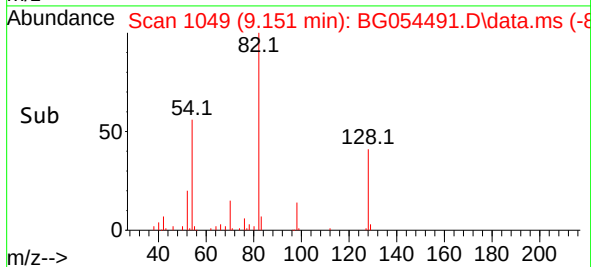
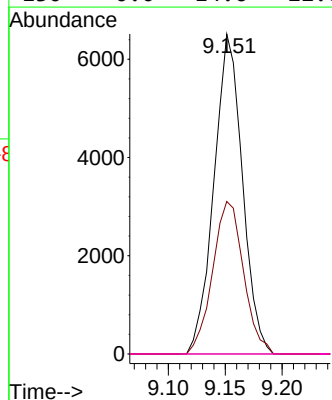
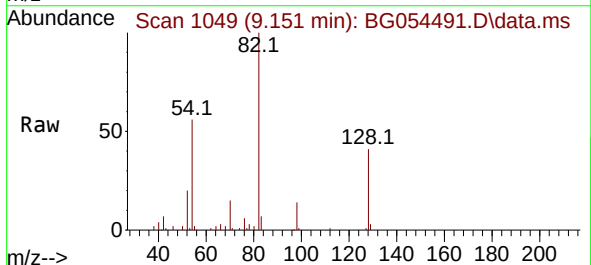
Instrument :
BNA_G
ClientSampleId :
RVE-49

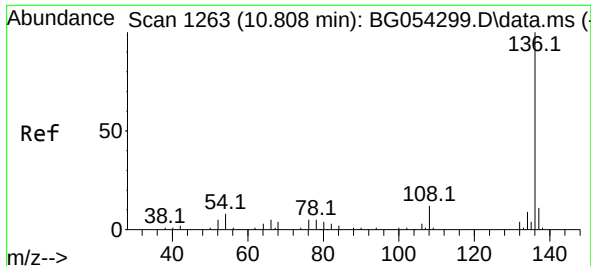
Tgt Ion: 99 Resp: 121075
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 44.2 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.416 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.358 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

Tgt Ion: 70 Resp: 11335
Ion Ratio Lower Upper
70 100
42 47.7 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

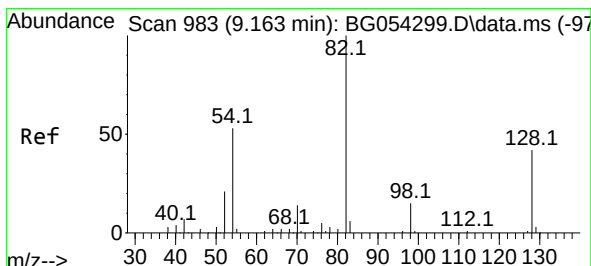
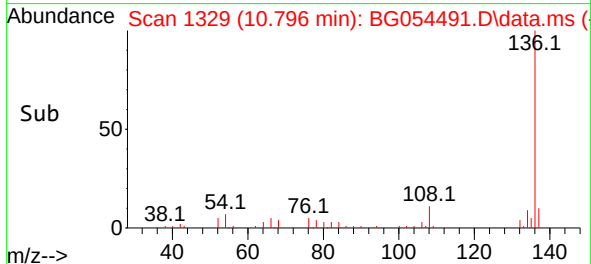
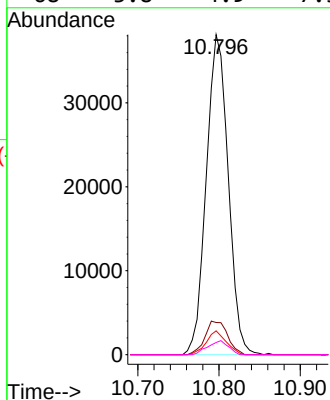
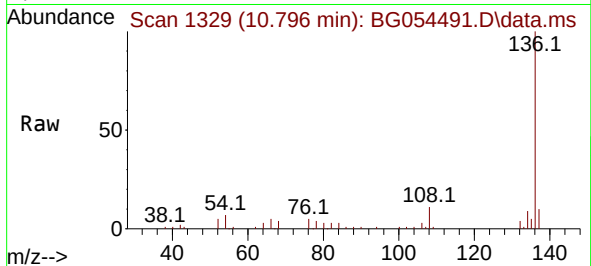




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

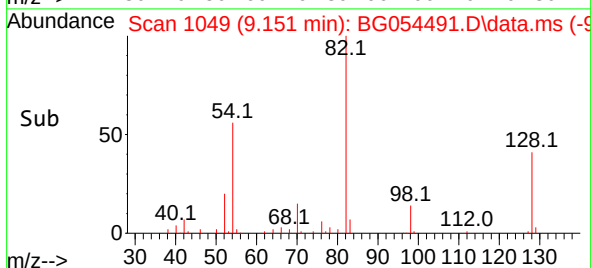
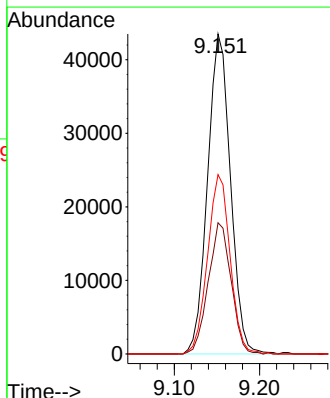
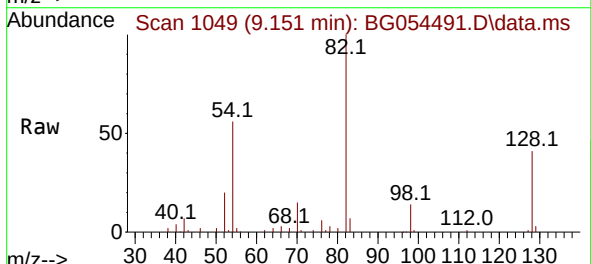
Instrument :
BNA_G
ClientSampleId :
RVE-49

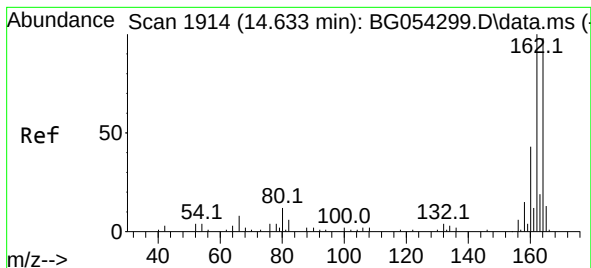
Tgt Ion:	136	Resp:	71500
Ion Ratio	Lower	Upper	
136	100		
137	10.0	8.5	12.7
54	7.5	7.4	11.2
68	3.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 61.729 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

Tgt Ion:	82	Resp:	81048
Ion Ratio	Lower	Upper	
82	100		
128	41.0	27.9	41.9
54	56.1	41.2	61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.627 min Scan# 1914

Delta R.T. 0.005 min

Lab File: BG054491.D

Acq: 2 Aug 2022 20:20

Instrument :

BNA_G

ClientSampleId :

RVE-49

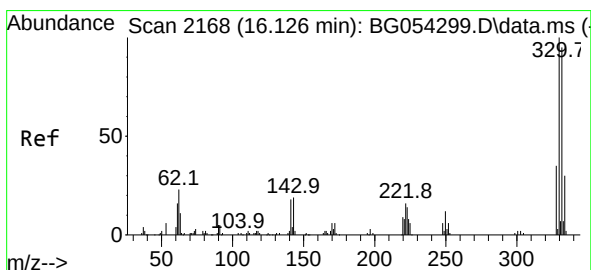
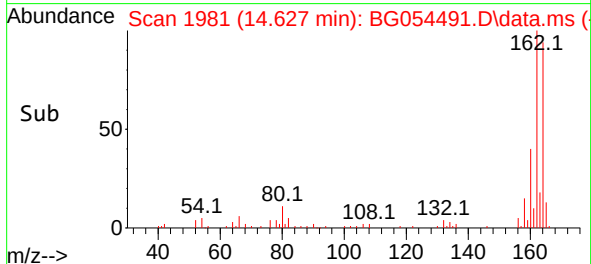
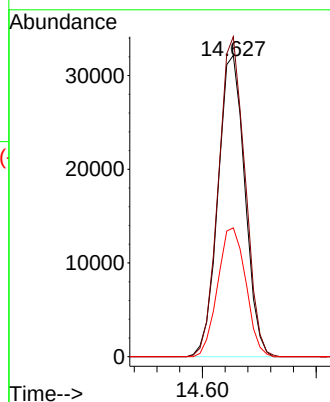
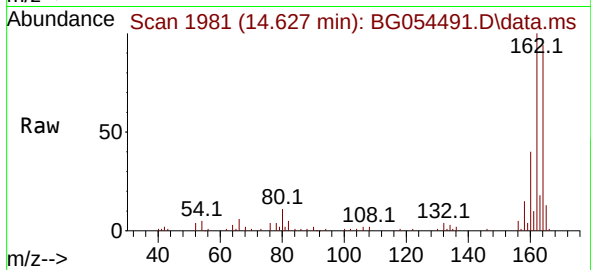
Tgt Ion:164 Resp: 52667

Ion Ratio Lower Upper

164 100

162 106.2 82.3 123.5

160 42.7 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 99.432 ng

RT: 16.125 min Scan# 2236

Delta R.T. 0.011 min

Lab File: BG054491.D

Acq: 2 Aug 2022 20:20

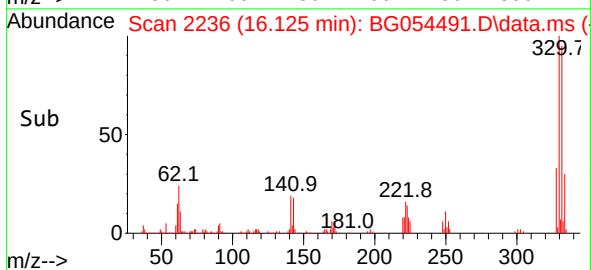
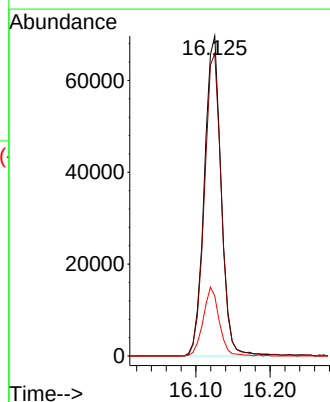
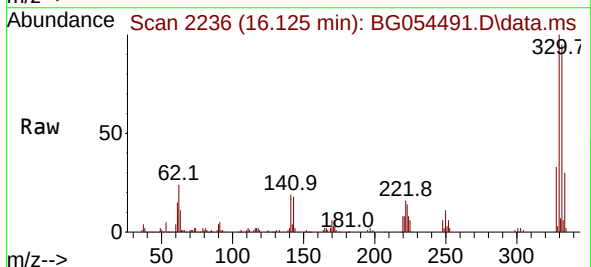
Tgt Ion:330 Resp: 109953

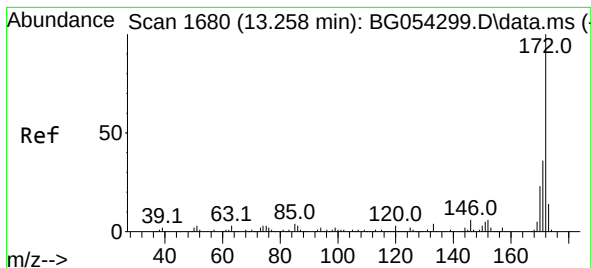
Ion Ratio Lower Upper

330 100

332 95.8 76.0 114.0

141 20.5 27.1 40.7#





#45

2-Fluorobiphenyl

Concen: 65.838 ng

RT: 13.246 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG054491.D

Acq: 2 Aug 2022 20:20

Instrument :

BNA_G

ClientSampleId :

RVE-49

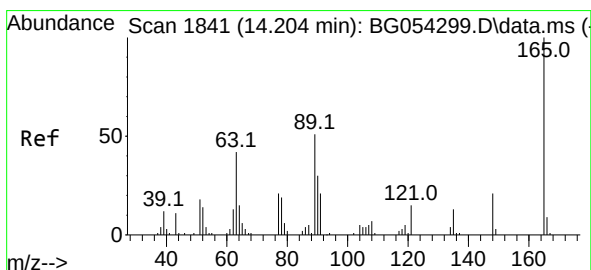
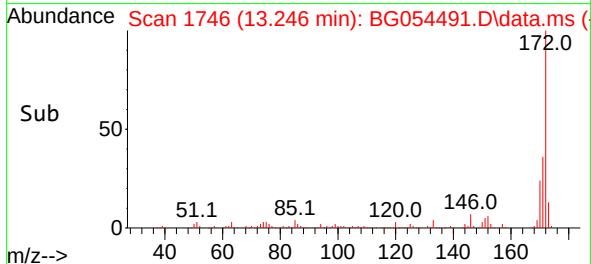
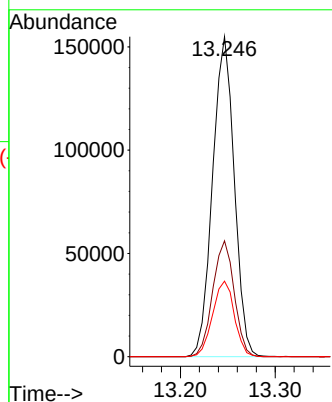
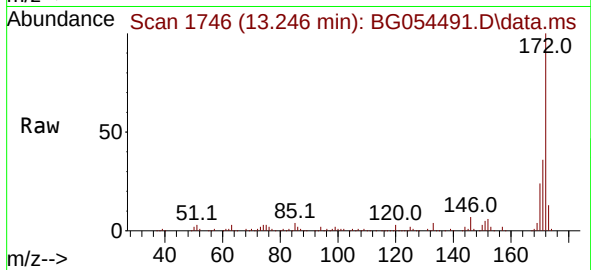
Tgt Ion:172 Resp: 245802

Ion Ratio Lower Upper

172 100

171 36.2 28.5 42.7

170 23.6 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 7.886 ng

RT: 14.627 min Scan# 1981

Delta R.T. 0.428 min

Lab File: BG054491.D

Acq: 2 Aug 2022 20:20

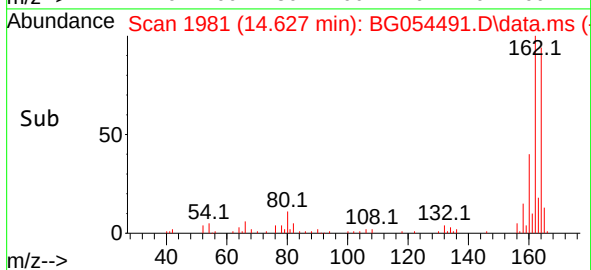
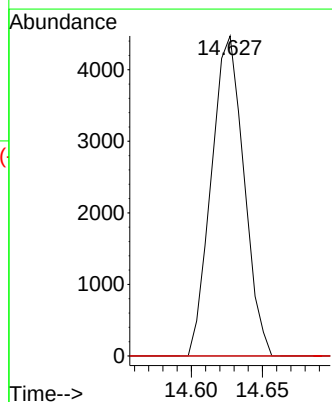
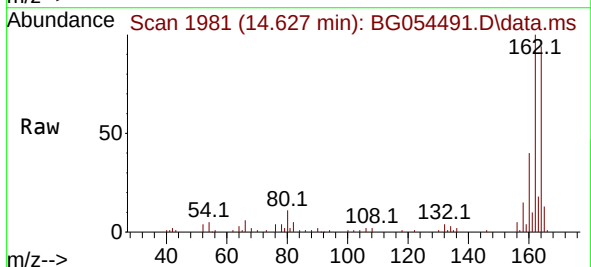
Tgt Ion:165 Resp: 7116

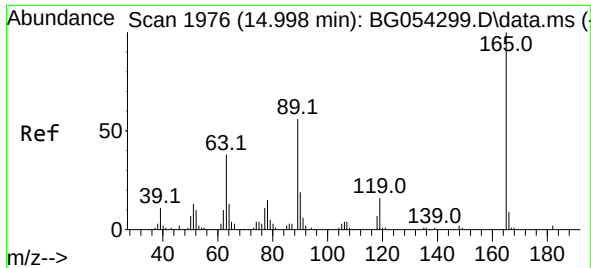
Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#

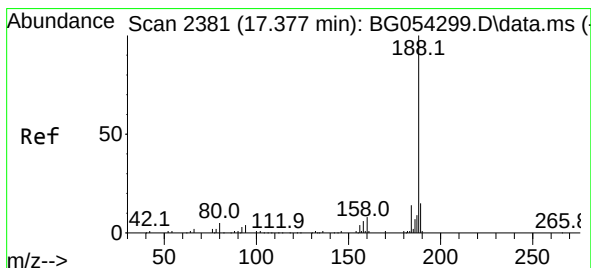
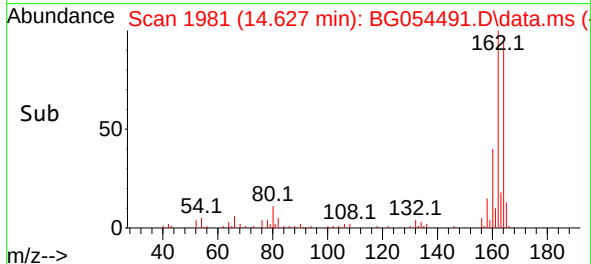
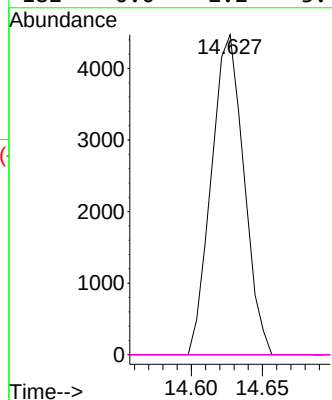
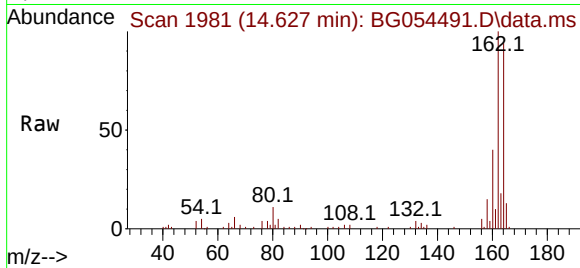




#57
2,4-Dinitrotoluene
Concen: 5.501 ng
RT: 14.627 min Scan# 1976
Delta R.T. -0.365 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

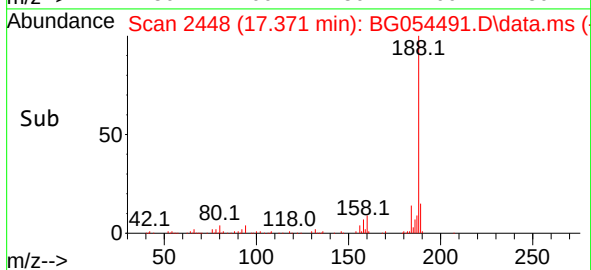
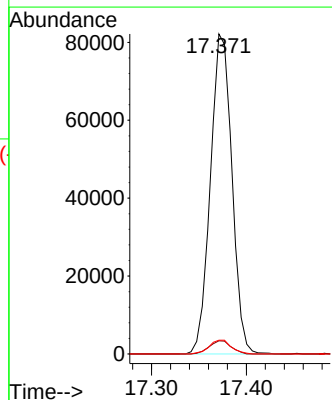
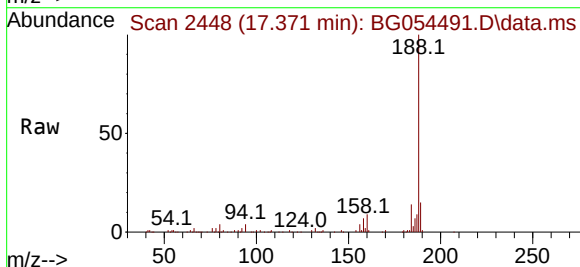
Instrument :
BNA_G
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RVE-49

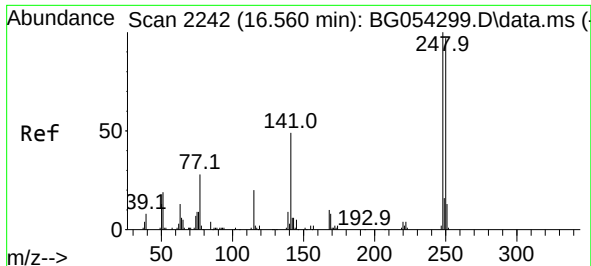
Tgt Ion:165 Resp: 7116
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.000 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

Tgt Ion:188 Resp: 129547
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0#
80 4.3 6.8 10.2#





#67

4-Bromophenyl-phenylether

Concen: 3.599 ng

RT: 16.125 min Scan# 21

Delta R.T. -0.429 min

Lab File: BG054491.D

Acq: 2 Aug 2022 20:20

Instrument :

BNA_G

ClientSampleId :

RVE-49

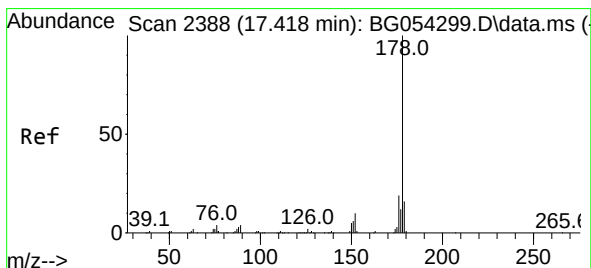
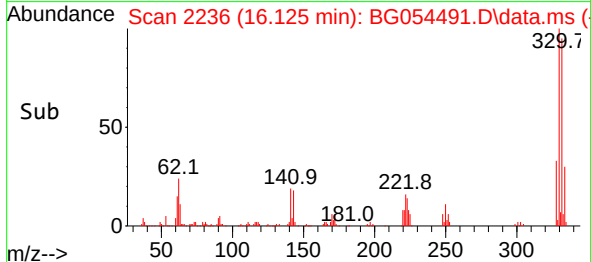
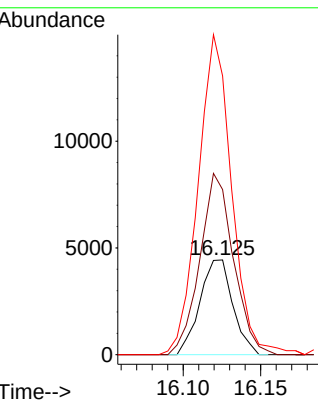
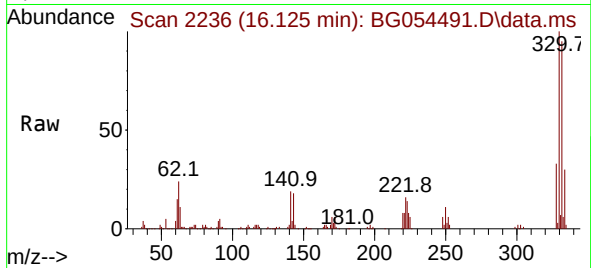
Tgt Ion:248 Resp: 6549

Ion Ratio Lower Upper

248 100

250 174.3 75.2 112.8#

141 294.3 50.0 75.0#



#71

Phenanthrene

Concen: 2.098 ng

RT: 17.412 min Scan# 2455

Delta R.T. -0.000 min

Lab File: BG054491.D

Acq: 2 Aug 2022 20:20

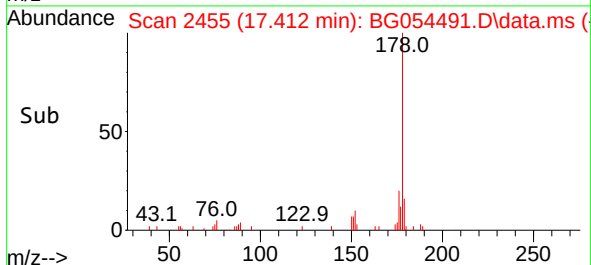
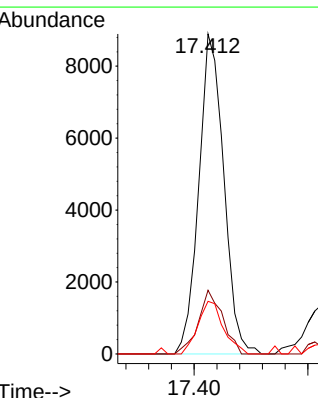
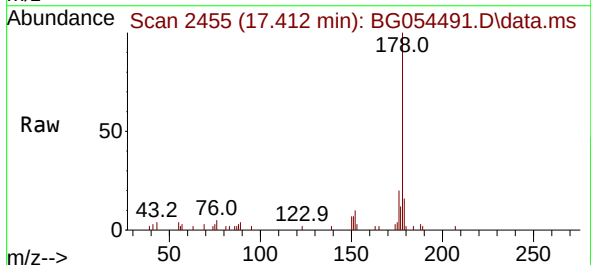
Tgt Ion:178 Resp: 13538

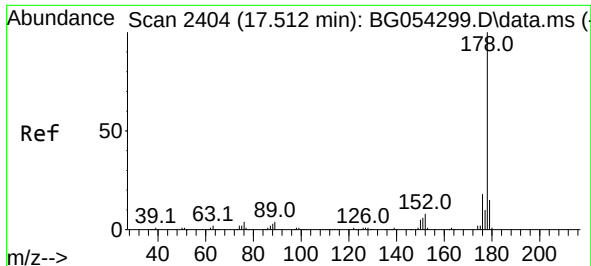
Ion Ratio Lower Upper

178 100

176 19.9 14.1 21.1

179 16.4 12.1 18.1

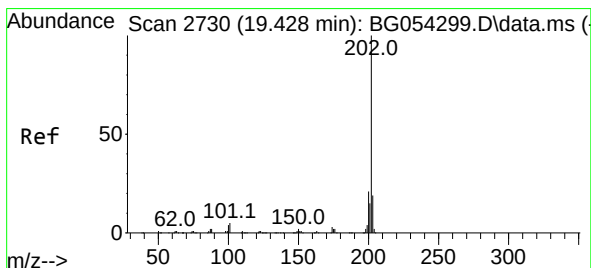
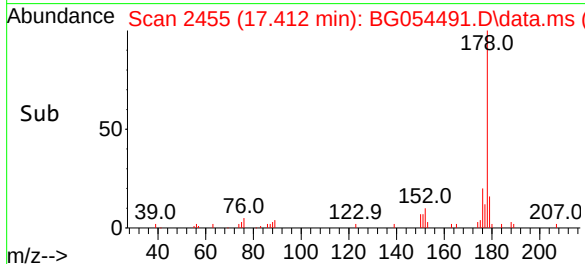
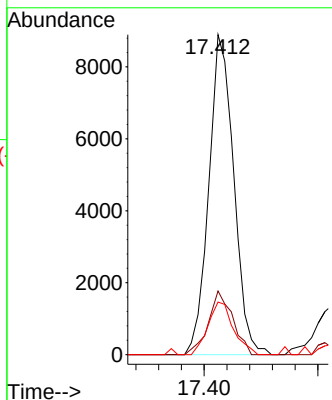
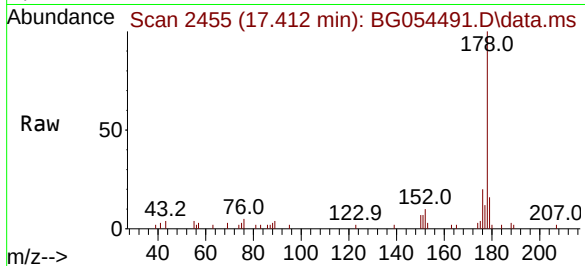




#72
 Anthracene
 Concen: 2.138 ng
 RT: 17.412 min Scan# 2404
 Delta R.T. -0.089 min
 Lab File: BG054491.D
 Acq: 2 Aug 2022 20:20

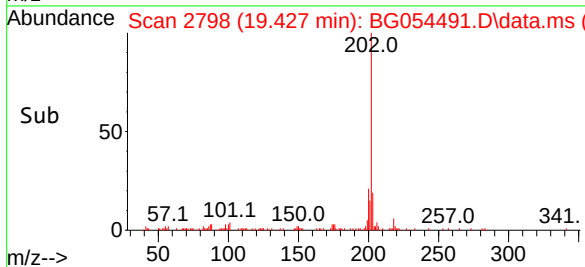
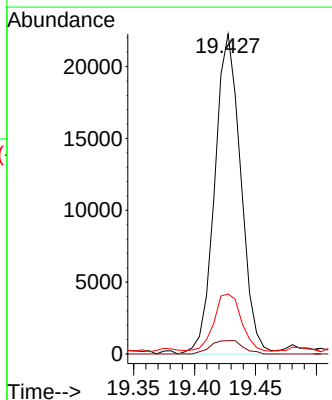
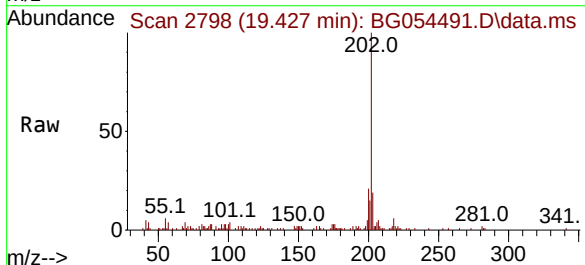
Instrument :
 BNA_G
 ClientSampleId :
 RVE-49

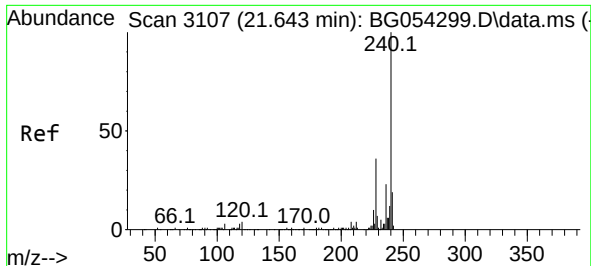
Tgt Ion:178 Resp: 13538
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.2 22.8
 179 16.4 13.0 19.4



#75
 Fluoranthene
 Concen: 3.768 ng
 RT: 19.427 min Scan# 2798
 Delta R.T. 0.005 min
 Lab File: BG054491.D
 Acq: 2 Aug 2022 20:20

Tgt Ion:202 Resp: 33133
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 26.9
 203 18.7 0.0 37.2

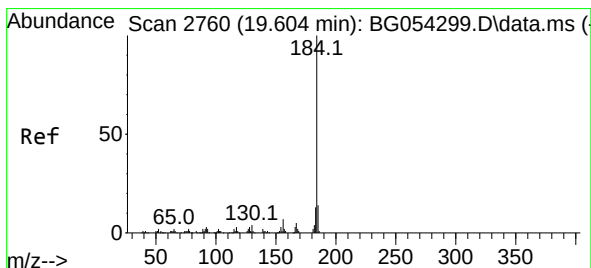
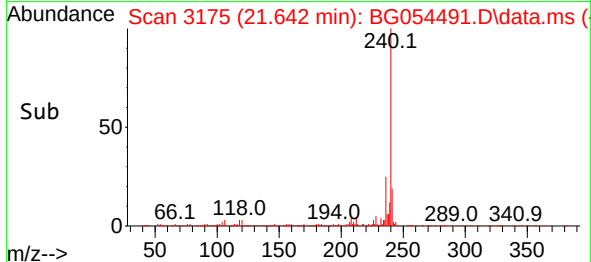
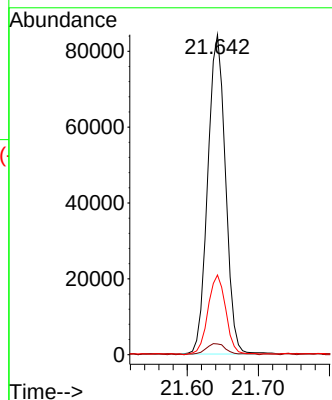
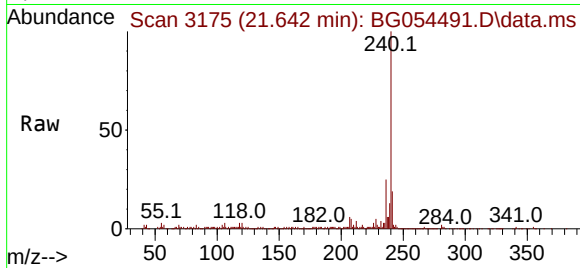




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3107
Delta R.T. 0.005 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

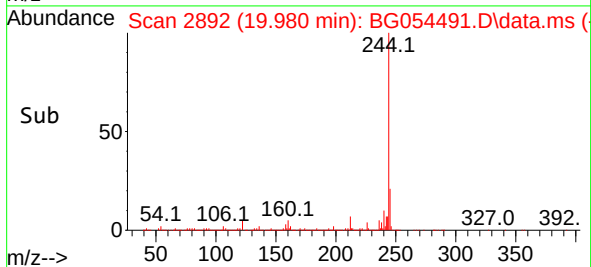
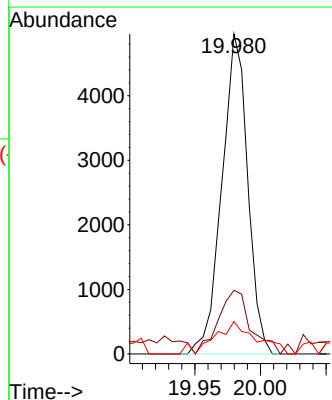
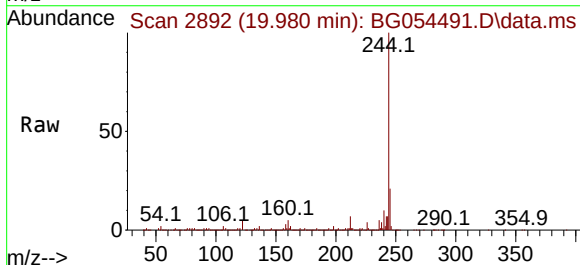
Instrument :
BNA_G
ClientSampleId :
RVE-49

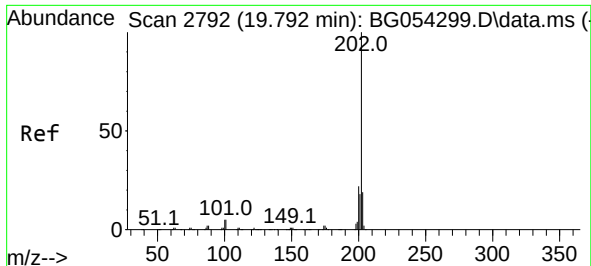
Tgt Ion:240 Resp: 146076
Ion Ratio Lower Upper
240 100
120 3.4 4.6 7.0#
236 24.9 20.2 30.4



#77
Benzidine
Concen: 2.559 ng
RT: 19.980 min Scan# 2892
Delta R.T. 0.381 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

Tgt Ion:184 Resp: 6769
Ion Ratio Lower Upper
184 100
185 19.9 11.8 17.6#
183 10.2 8.9 13.3

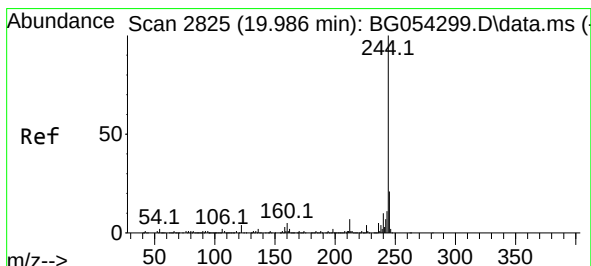
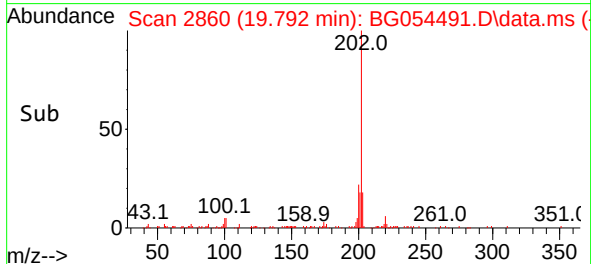
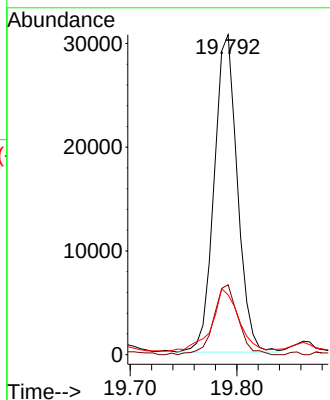
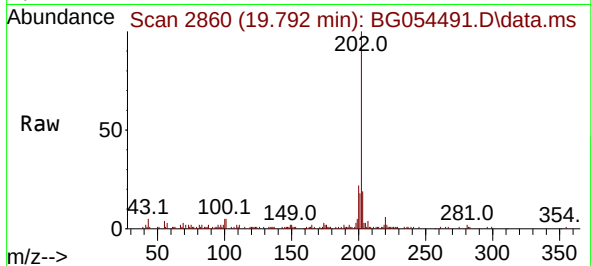




#78
 Pyrene
 Concen: 5.525 ng
 RT: 19.792 min Scan# 2792
 Delta R.T. 0.005 min
 Lab File: BG054491.D
 Acq: 2 Aug 2022 20:20

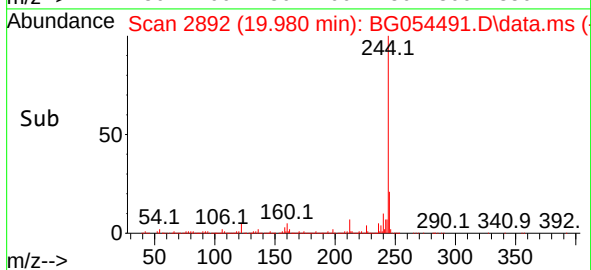
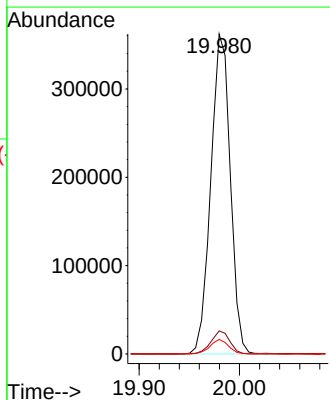
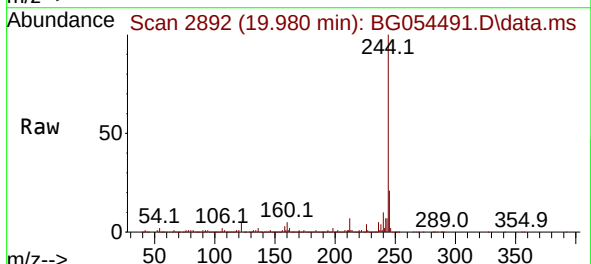
Instrument :
 BNA_G
 ClientSampleId :
 RVE-49

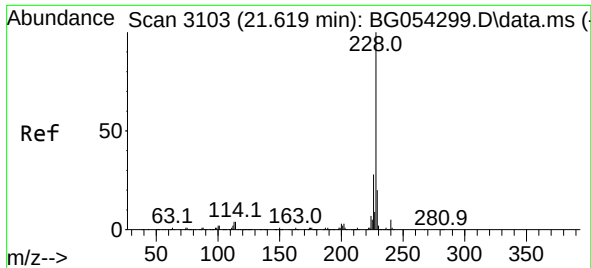
Tgt Ion:202 Resp: 46307
 Ion Ratio Lower Upper
 202 100
 200 21.9 16.6 24.8
 203 18.7 14.6 21.8



#79
 Terphenyl-d14
 Concen: 66.263 ng
 RT: 19.980 min Scan# 2892
 Delta R.T. -0.000 min
 Lab File: BG054491.D
 Acq: 2 Aug 2022 20:20

Tgt Ion:244 Resp: 487926
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.5 5.0 7.4#

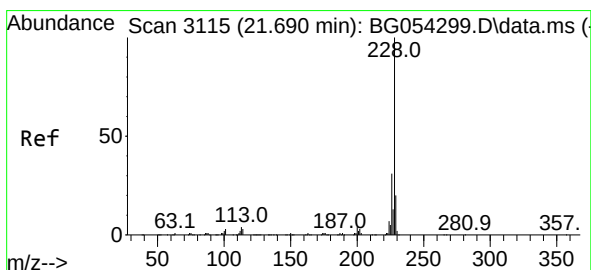
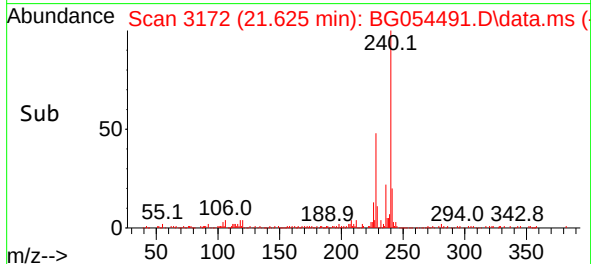
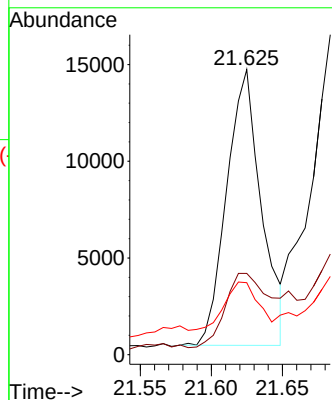
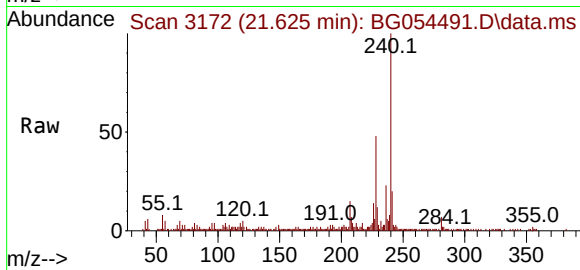




#81
Benzo(a)anthracene
Concen: 2.618 ng
RT: 21.625 min Scan# 3103
Delta R.T. 0.011 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

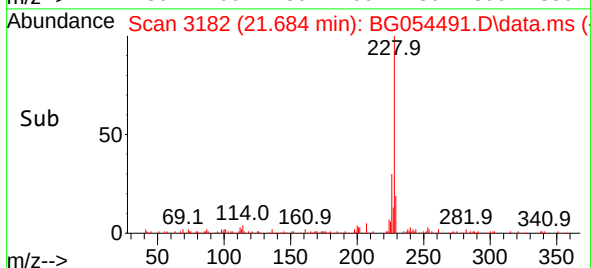
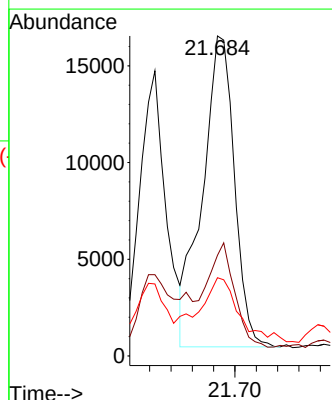
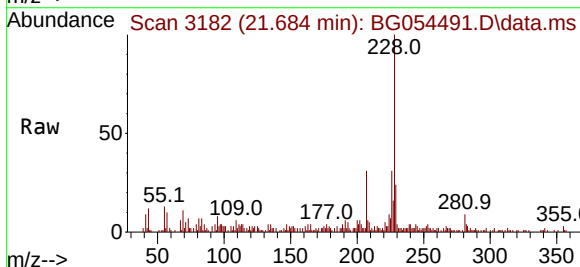
Instrument :
BNA_G
ClientSampleId :
RVE-49

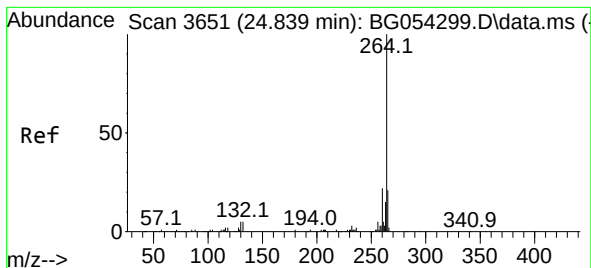
Tgt Ion:228 Resp: 24275
Ion Ratio Lower Upper
228 100
226 28.5 21.6 32.4
229 25.3 16.2 24.2#



#83
Chrysene
Concen: 3.834 ng
RT: 21.684 min Scan# 3182
Delta R.T. -0.000 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

Tgt Ion:228 Resp: 33591
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.2
229 24.4 15.5 23.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.856 min Scan# 31

Delta R.T. 0.023 min

Lab File: BG054491.D

Acq: 2 Aug 2022 20:20

Instrument :

BNA_G

ClientSampleId :

RVE-49

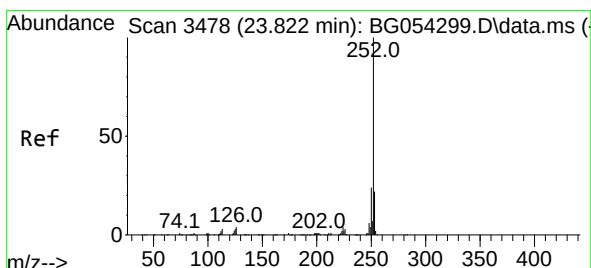
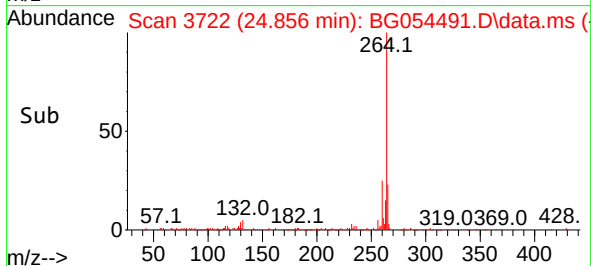
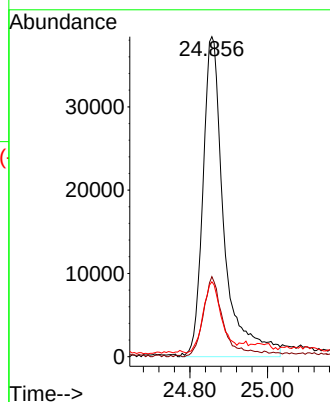
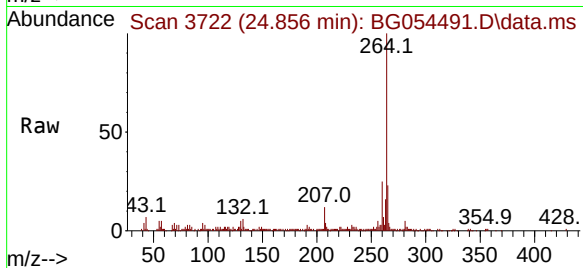
Tgt Ion:264 Resp: 145054

Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.6

265 23.4 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 5.568 ng

RT: 23.846 min Scan# 3550

Delta R.T. 0.023 min

Lab File: BG054491.D

Acq: 2 Aug 2022 20:20

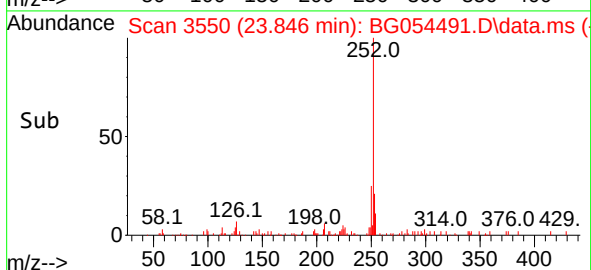
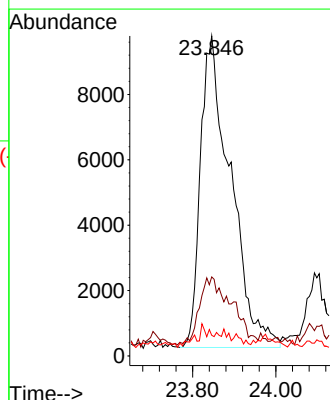
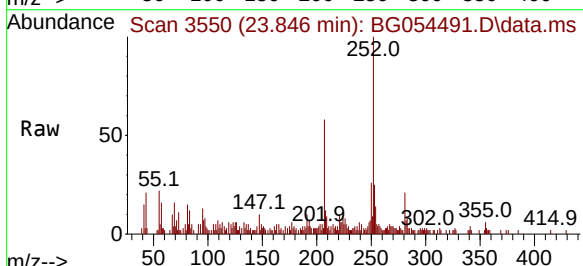
Tgt Ion:252 Resp: 47761

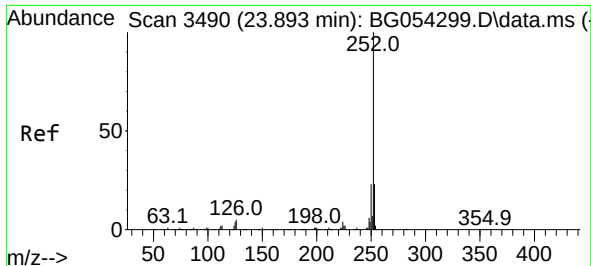
Ion Ratio Lower Upper

252 100

253 24.7 18.0 27.0

125 6.5 4.6 6.8

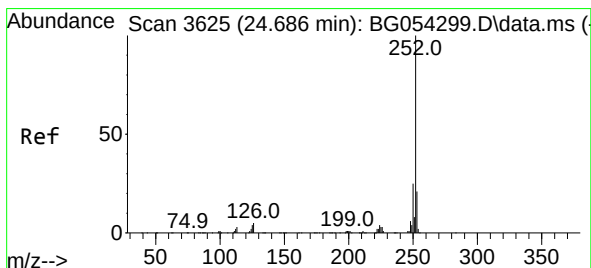
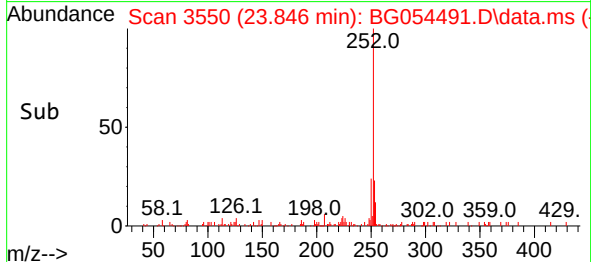
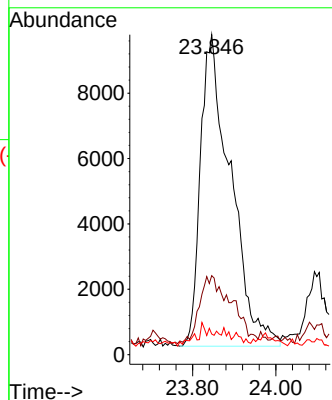
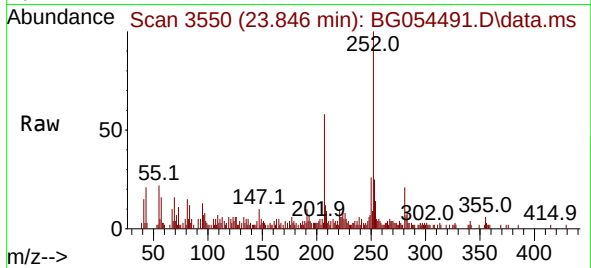




#89
Benzo(k)fluoranthene
Concen: 5.594 ng
RT: 23.846 min Scan# 31
Delta R.T. -0.042 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

Instrument :
BNA_G
ClientSampleId :
RVE-49

Tgt Ion:252 Resp: 47761
Ion Ratio Lower Upper
252 100
253 24.7 18.4 27.6
125 6.5 4.8 7.2



#90
Benzo(a)pyrene
Concen: 3.442 ng
RT: 24.704 min Scan# 3696
Delta R.T. 0.017 min
Lab File: BG054491.D
Acq: 2 Aug 2022 20:20

Tgt Ion:252 Resp: 25215
Ion Ratio Lower Upper
252 100
253 27.9 17.8 26.8#
125 8.2 4.3 6.5#

