

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
 Data File : BG055479.D
 Acq On : 5 Nov 2022 21:04
 Operator : CG/JU
 Sample : N5425-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 371

Quant Time: Nov 07 00:59:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 07 00:51:08 2022
 Response via : Initial Calibration

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

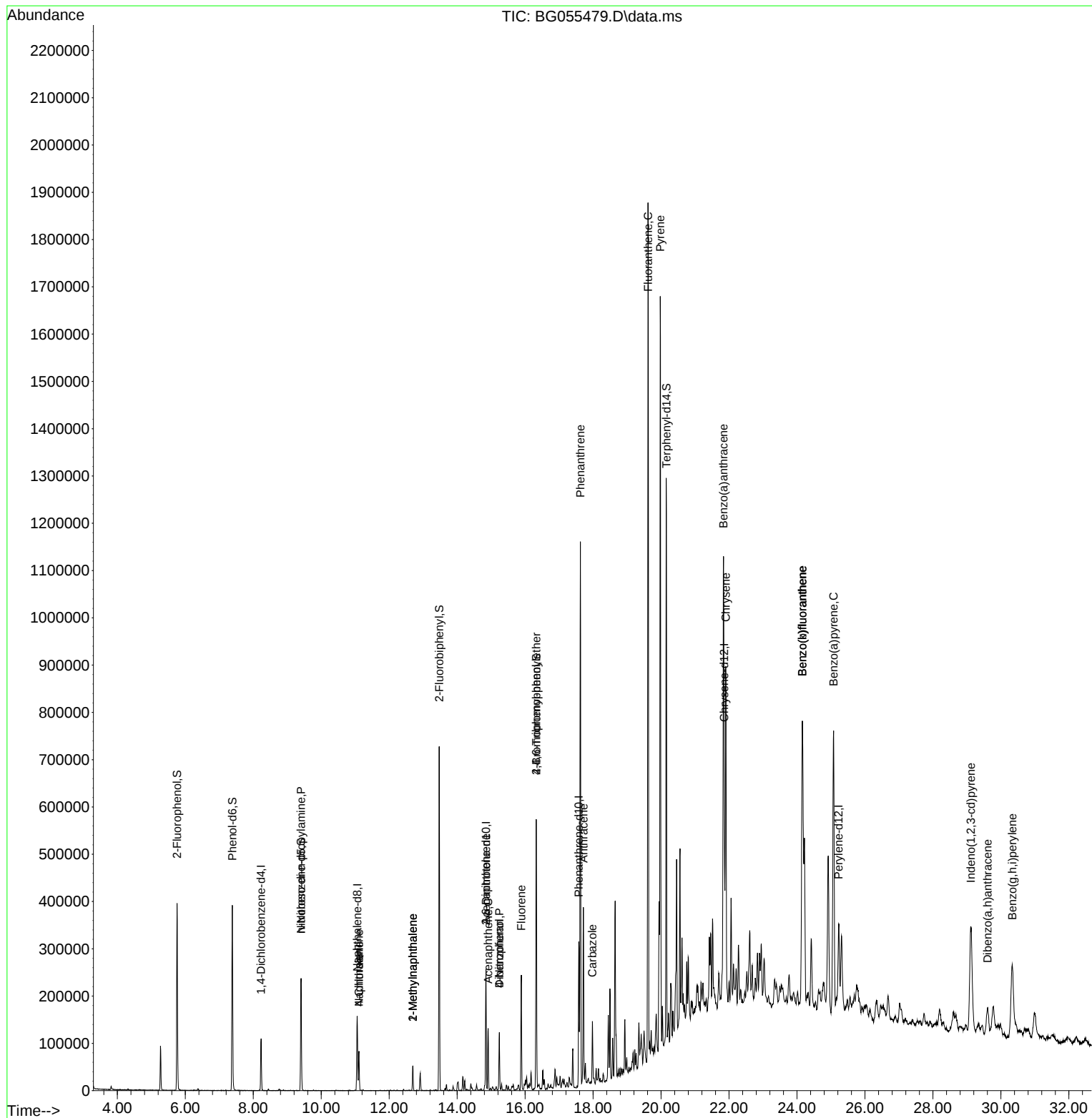
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	32734	20.000	ng	0.00
21) Naphthalene-d8	11.056	136	138870	20.000	ng	# 0.00
39) Acenaphthene-d10	14.845	164	92847	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	195875	20.000	ng	0.00
76) Chrysene-d12	21.855	240	187885	20.000	ng	0.00
86) Perylene-d12	25.227	264	212820	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.756	112	189693	104.069	ng	0.00
7) Phenol-d6	7.383	99	249795	98.823	ng	0.00
23) Nitrobenzene-d5	9.405	82	150664	57.821	ng	0.00
42) 2,4,6-Tribromophenol	16.326	330	122407	96.653	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	383182	61.190	ng	0.00
79) Terphenyl-d14	20.157	244	581169	60.149	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.405	70	19812	10.031	ng	# 82
31) Naphthalene	11.108	128	72873	9.320	ng	100
33) 4-Chloroaniline	11.108	127	9773	3.008	ng	# 34
37) 2-Methylnaphthalene	12.695	142	27289	4.752	ng	99
38) 1-Methylnaphthalene	12.695	142	27289	4.872	ng	97
51) 2,6-Dinitrotoluene	14.845	165	13010	8.019	ng	# 27
52) Acenaphthene	14.910	154	47713	8.894	ng	98
55) Dibenzofuran	15.239	168	78066	8.791	ng	96
56) 4-Nitrophenol	15.239	139	28593	22.868	ng	# 9
58) Fluorene	15.885	166	108058	14.979	ng	98
67) 4-Bromophenyl-phenylether	16.326	248	7588	3.277	ng	# 1
71) Phenanthrene	17.624	178	737448	66.933	ng	98
72) Anthracene	17.713	178	248688	23.028	ng	99
73) Carbazole	17.977	167	82435	8.205	ng	98
75) Fluoranthene	19.616	202	1201391	90.652	ng	97
78) Pyrene	19.975	202	1057179	79.760	ng	96
81) Benzo(a)anthracene	21.831	228	621423	48.182	ng	99
83) Chrysene	21.902	228	530250	43.093	ng	97
87) Indeno(1,2,3-cd)pyrene	29.117	276	421620	24.675	ng	# 95
88) Benzo(b)fluoranthene	24.158	252	851111	62.960	ng	97
89) Benzo(k)fluoranthene	24.158	252	851111	62.651	ng	98
90) Benzo(a)pyrene	25.074	252	671062	57.410	ng	98
91) Dibenzo(a,h)anthracene	29.610	278	93677	6.645	ng	94
92) Benzo(g,h,i)perylene	30.333	276	383413	27.346	ng	97

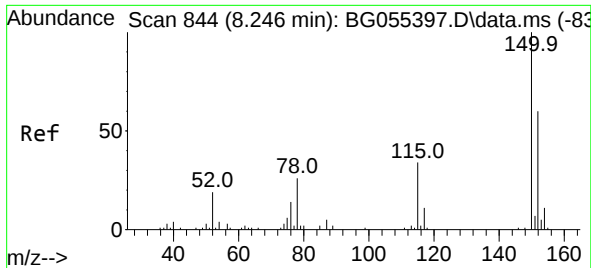
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110522\
Data File : BG055479.D
Acq On : 5 Nov 2022 21:04
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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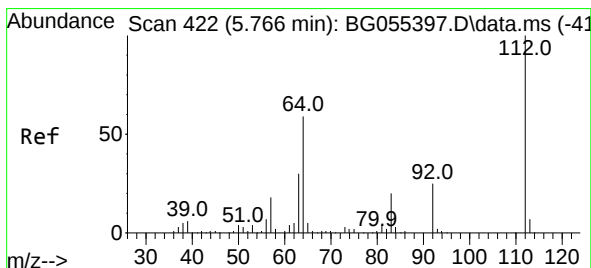
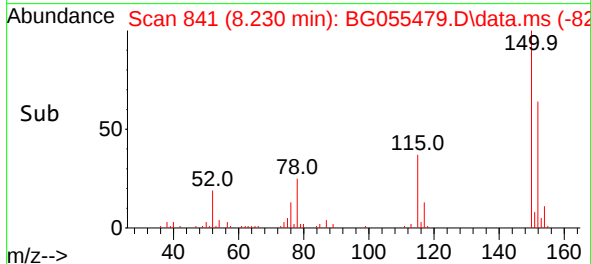
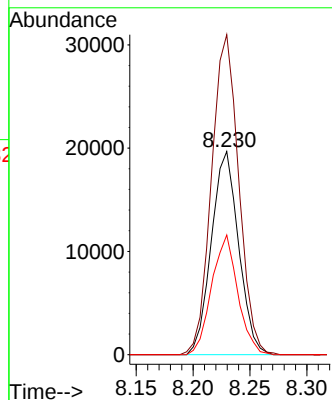
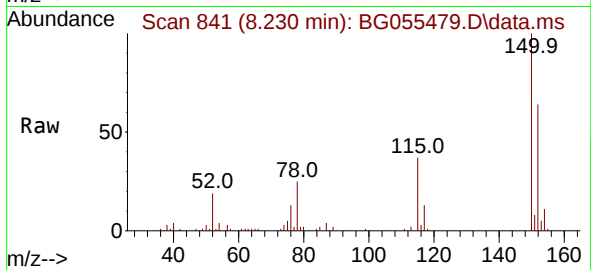




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.230 min Scan# 844
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

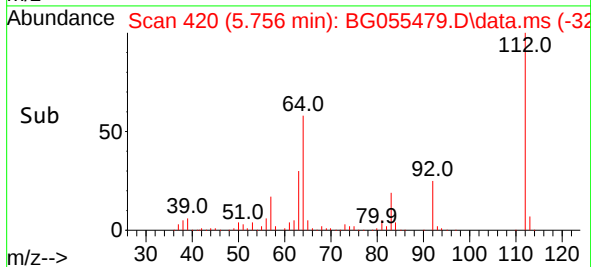
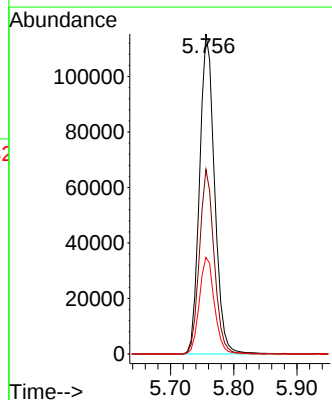
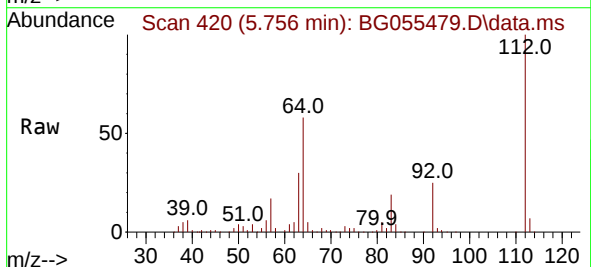
Instrument :
BNA_G
ClientSampleId :
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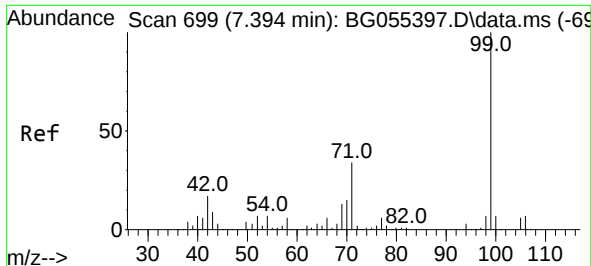
Tgt Ion:152 Resp: 32734
Ion Ratio Lower Upper
152 100
150 157.4 132.8 199.2
115 58.9 45.1 67.7



#5
2-Fluorophenol
Concen: 104.069 ng
RT: 5.756 min Scan# 420
Delta R.T. 0.006 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion:112 Resp: 189693
Ion Ratio Lower Upper
112 100
64 57.6 47.2 70.8
63 30.2 24.3 36.5

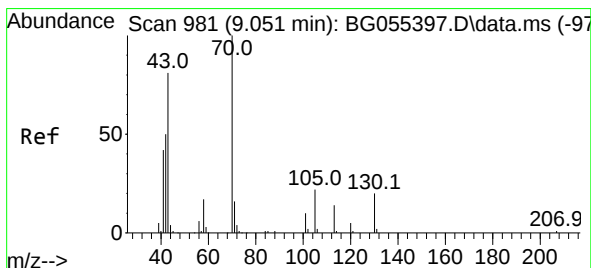
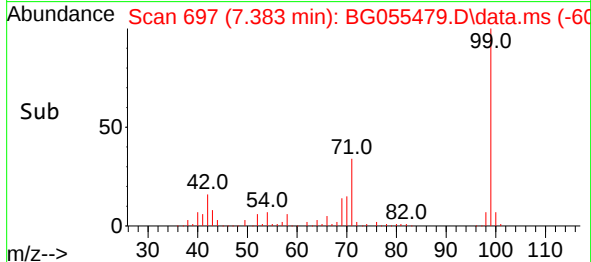
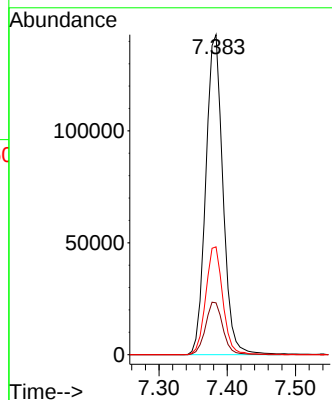
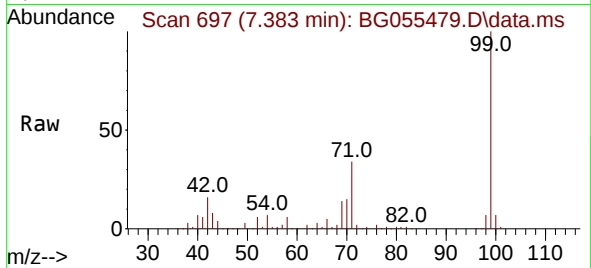




#7
Phenol-d6
Concen: 98.823 ng
RT: 7.383 min Scan# 697
Delta R.T. 0.006 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

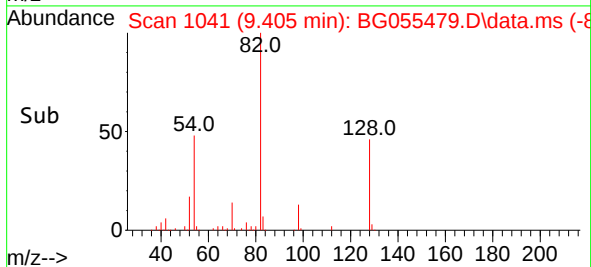
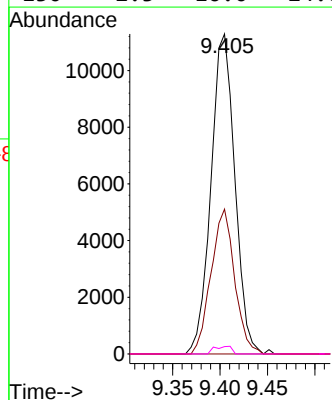
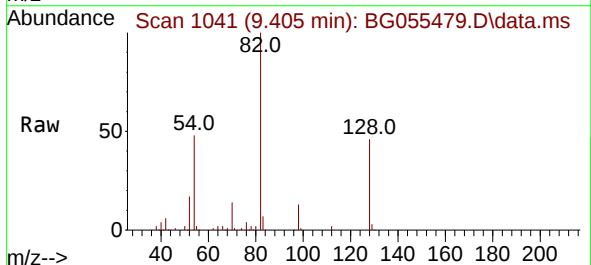
Instrument :
BNA_G
ClientSampleId :
371

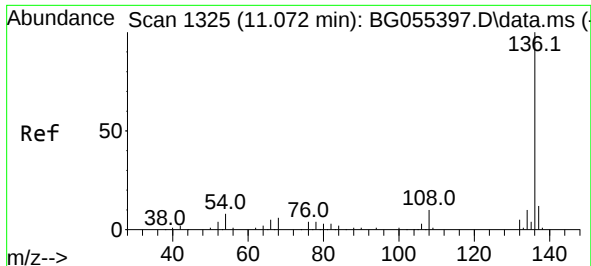
Tgt Ion: 99 Resp: 249795
Ion Ratio Lower Upper
99 100
42 16.2 13.5 20.3
71 33.7 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.031 ng
RT: 9.405 min Scan# 1041
Delta R.T. 0.370 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion: 70 Resp: 19812
Ion Ratio Lower Upper
70 100
42 45.3 40.6 61.0
101 0.0 7.8 11.6#
130 2.3 16.0 24.0#

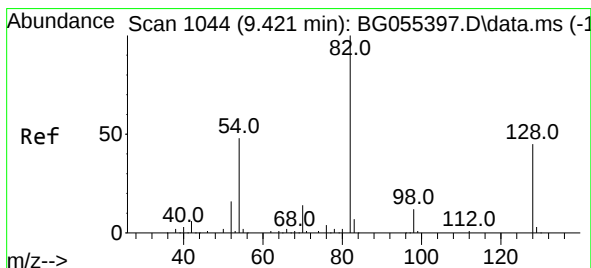
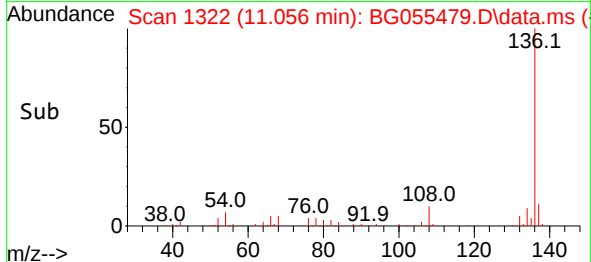
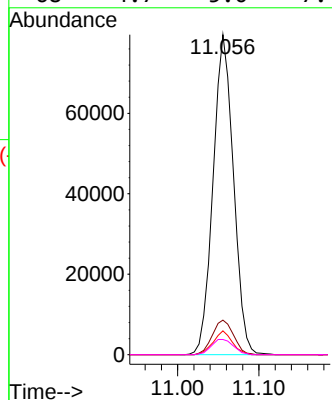
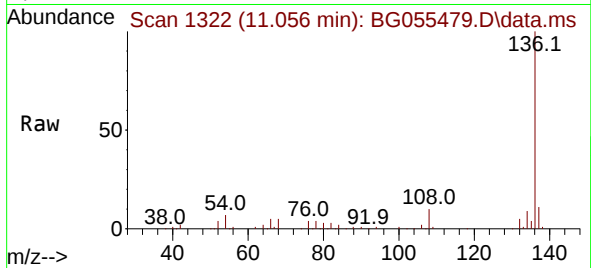




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.056 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

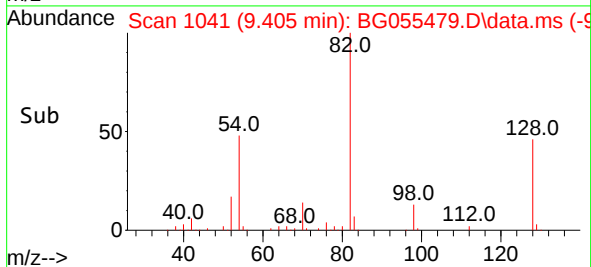
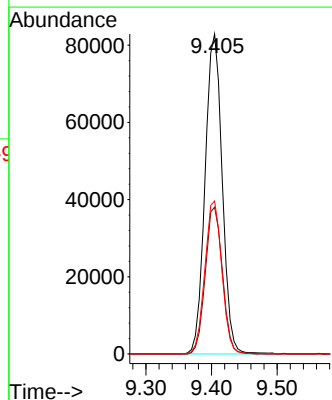
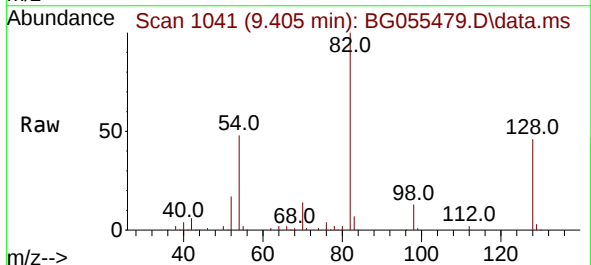
Instrument :
BNA_G
ClientSampleId :
371

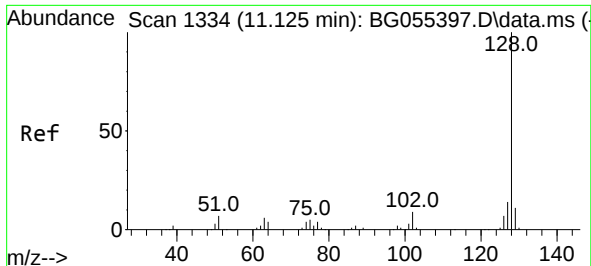
Tgt Ion:136 Resp: 138870
Ion Ratio Lower Upper
136 100
137 10.8 9.4 14.2
54 7.5 6.1 9.1
68 4.7 5.0 7.4#



#23
Nitrobenzene-d5
Concen: 57.821 ng
RT: 9.405 min Scan# 1041
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion: 82 Resp: 150664
Ion Ratio Lower Upper
82 100
128 45.8 35.8 53.8
54 47.8 38.1 57.1

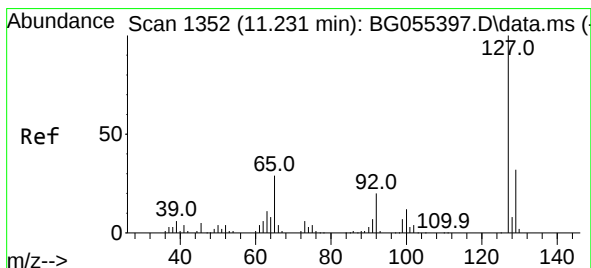
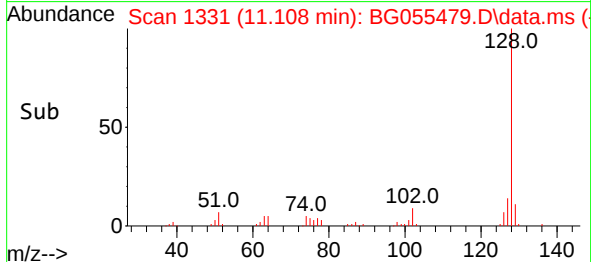
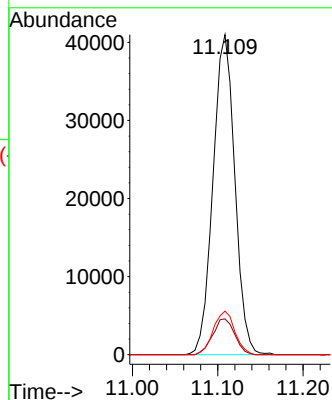
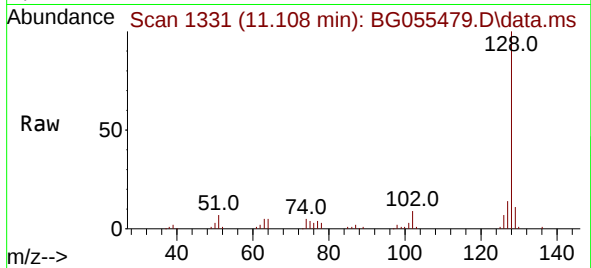




#31
Naphthalene
Concen: 9.320 ng
RT: 11.108 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

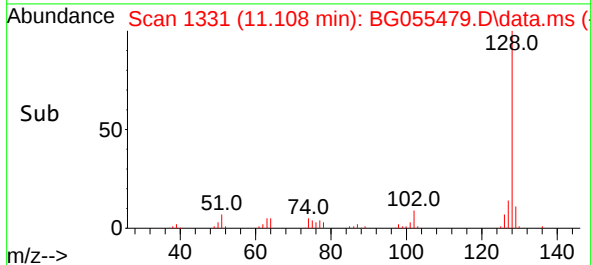
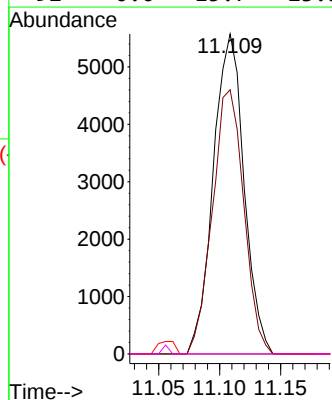
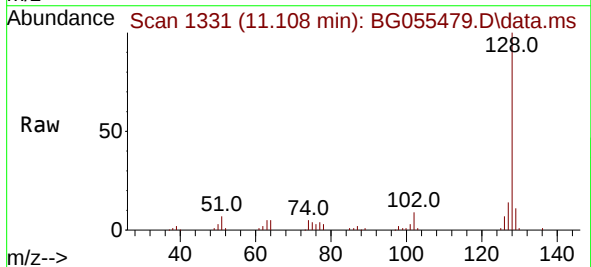
Instrument :
BNA_G
ClientSampleId :
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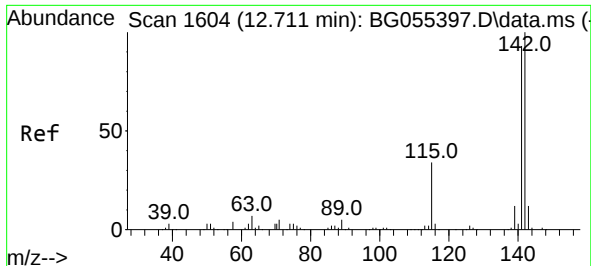
Tgt Ion:128 Resp: 72873
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 13.6 10.8 16.2



#33
4-Chloroaniline
Concen: 3.008 ng
RT: 11.108 min Scan# 1331
Delta R.T. -0.106 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion:127 Resp: 9773
Ion Ratio Lower Upper
127 100
129 82.5 25.3 37.9#
65 0.0 23.0 34.4#
92 0.0 15.7 23.5#

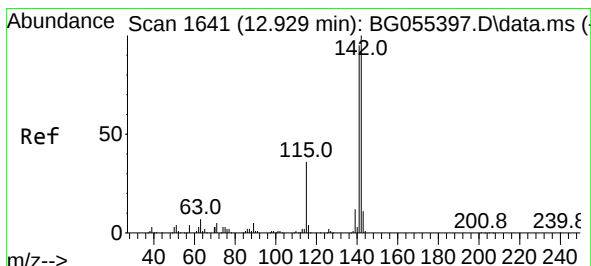
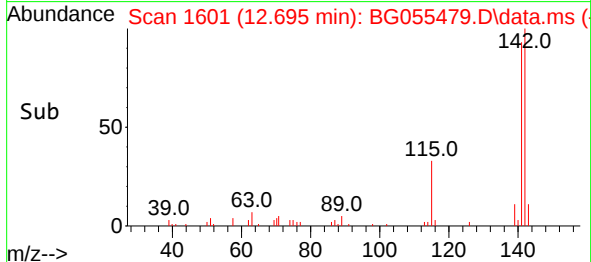
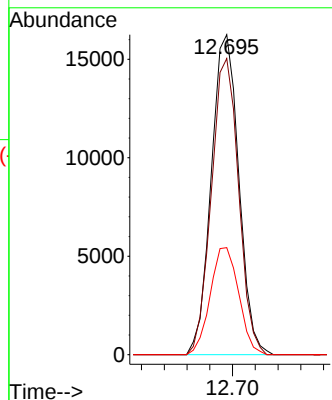
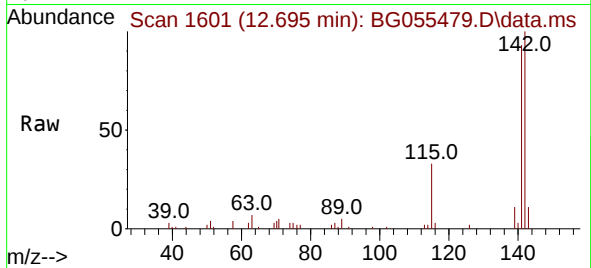




#37
2-Methylnaphthalene
Concen: 4.752 ng
RT: 12.695 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

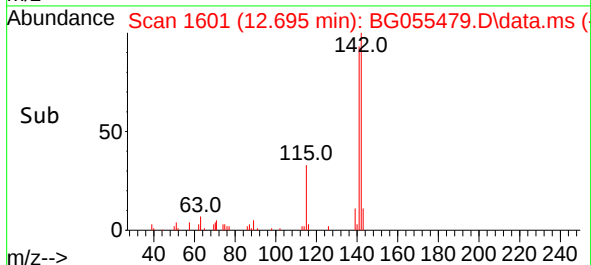
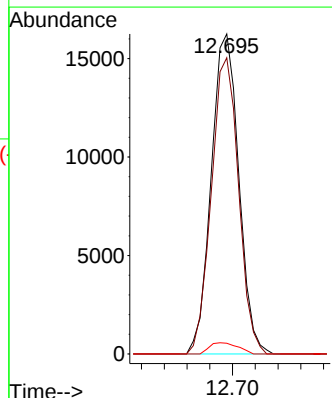
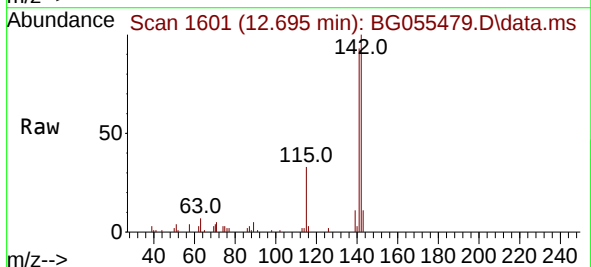
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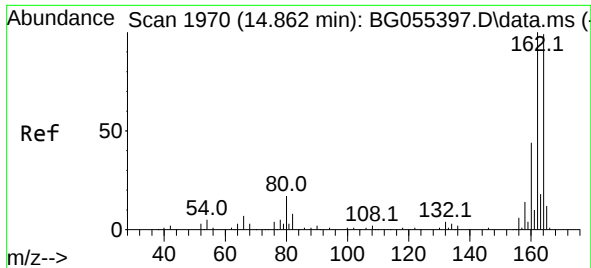
Tgt Ion:142 Resp: 27289
Ion Ratio Lower Upper
142 100
141 92.6 74.5 111.7
115 33.5 27.4 41.2



#38
1-Methylnaphthalene
Concen: 4.872 ng
RT: 12.695 min Scan# 1601
Delta R.T. -0.218 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion:142 Resp: 27289
Ion Ratio Lower Upper
142 100
141 92.6 76.1 114.1
116 3.4 3.0 4.4

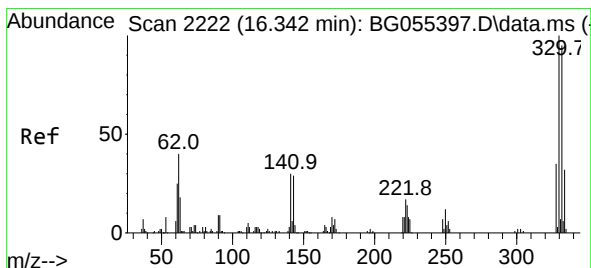
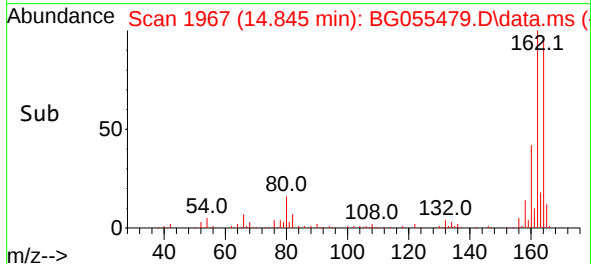
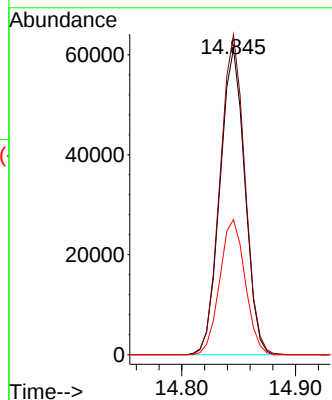
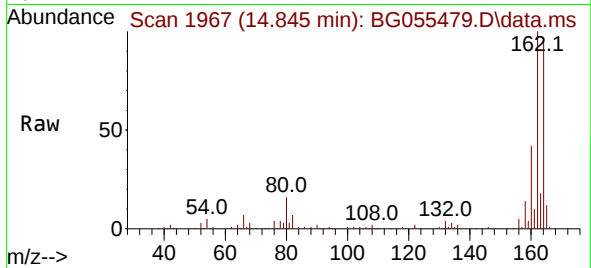




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

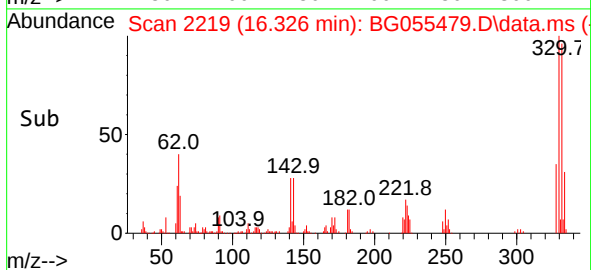
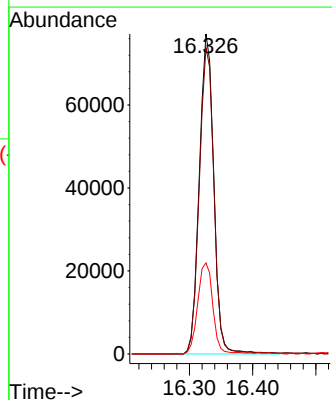
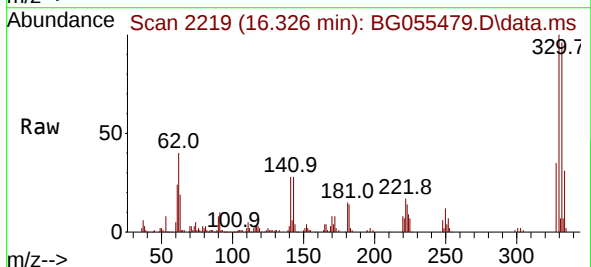
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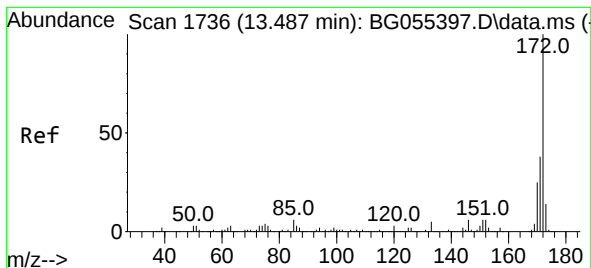
Tgt Ion:164 Resp: 92847
Ion Ratio Lower Upper
164 100
162 104.6 81.1 121.7
160 44.1 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 96.653 ng
RT: 16.326 min Scan# 2219
Delta R.T. -0.006 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion:330 Resp: 122407
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.6
141 29.9 24.2 36.2





#45

2-Fluorobiphenyl

Concen: 61.190 ng

RT: 13.470 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

371

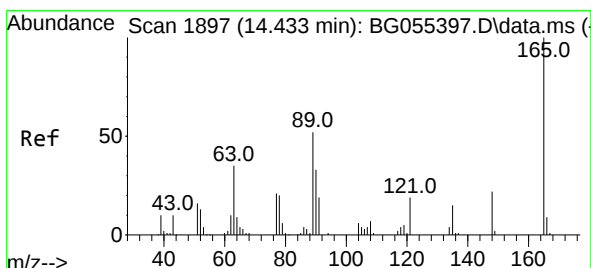
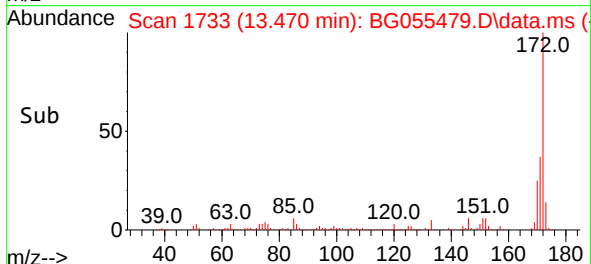
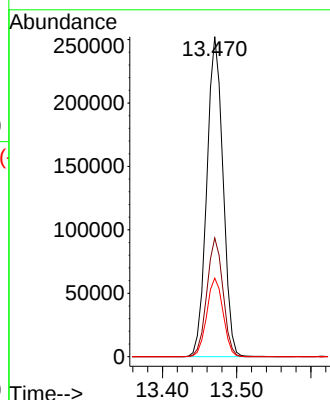
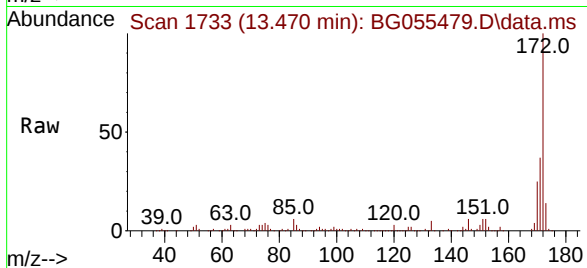
Tgt Ion:172 Resp: 383182

Ion Ratio Lower Upper

172 100

171 37.1 30.2 45.2

170 24.5 20.2 30.2



#51

2,6-Dinitrotoluene

Concen: 8.019 ng

RT: 14.845 min Scan# 1967

Delta R.T. 0.423 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

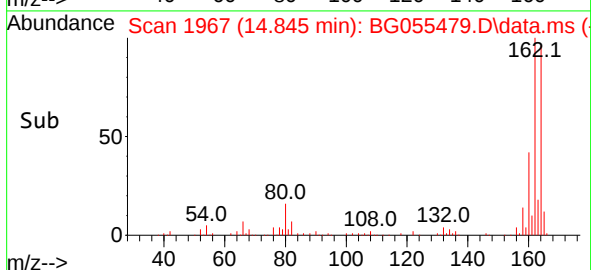
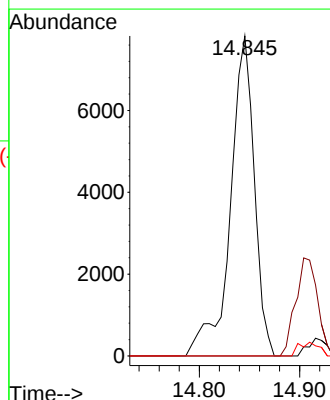
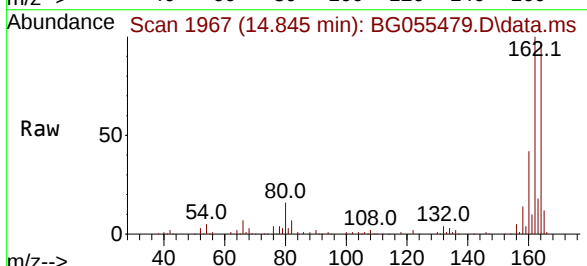
Tgt Ion:165 Resp: 13010

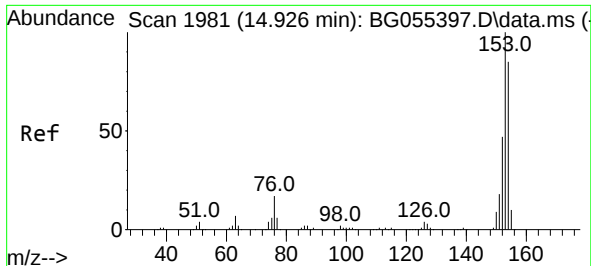
Ion Ratio Lower Upper

165 100

63 0.0 38.2 57.4#

89 0.0 41.8 62.6#

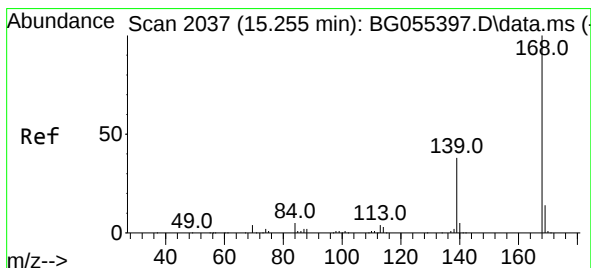
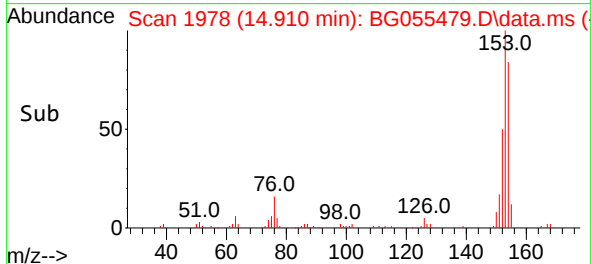
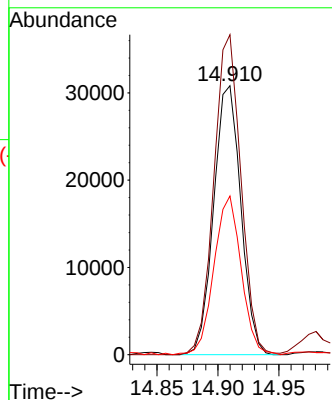
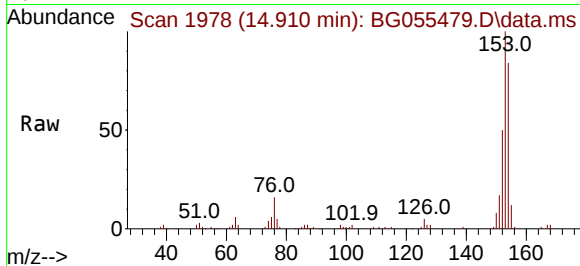




#52
Acenaphthene
Concen: 8.894 ng
RT: 14.910 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

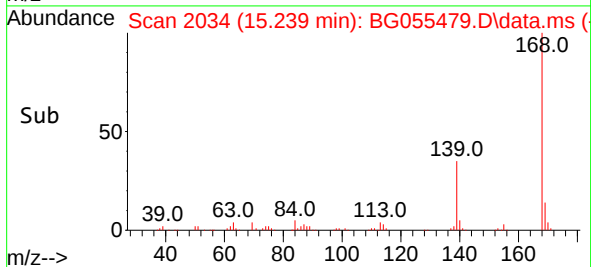
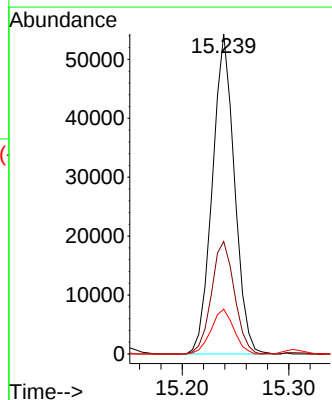
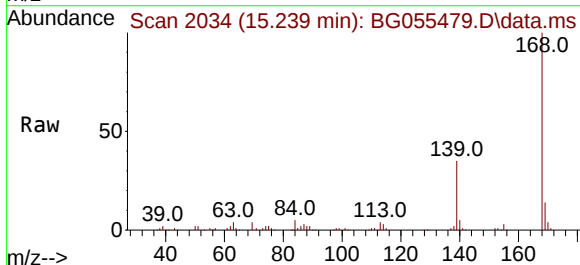
Instrument :
BNA_G
ClientSampleId :
371

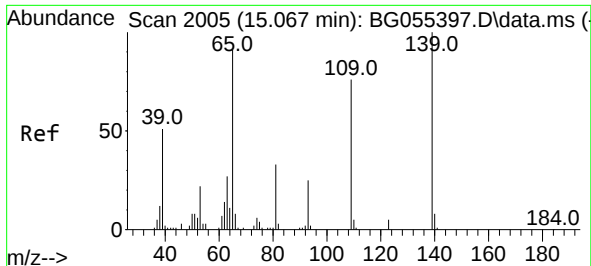
Tgt Ion:154 Resp: 47713
Ion Ratio Lower Upper
154 100
153 119.0 94.6 141.8
152 59.0 44.7 67.1



#55
Dibenzofuran
Concen: 8.791 ng
RT: 15.239 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion:168 Resp: 78066
Ion Ratio Lower Upper
168 100
139 35.1 30.3 45.5
169 14.0 10.8 16.2

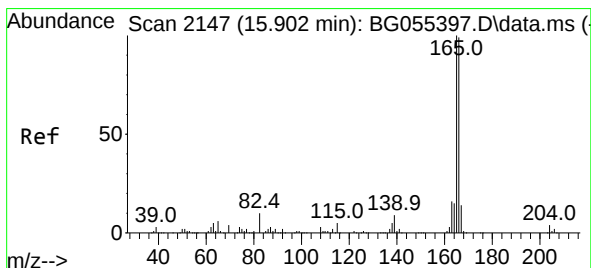
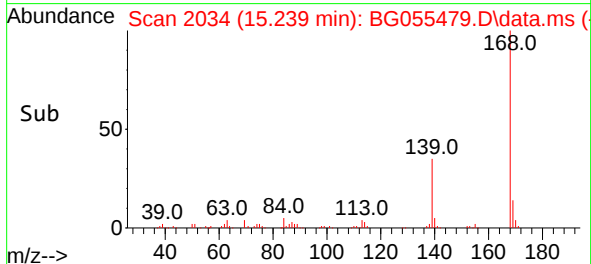
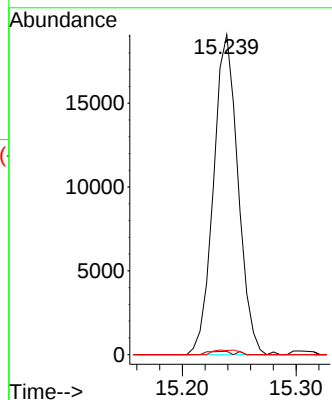
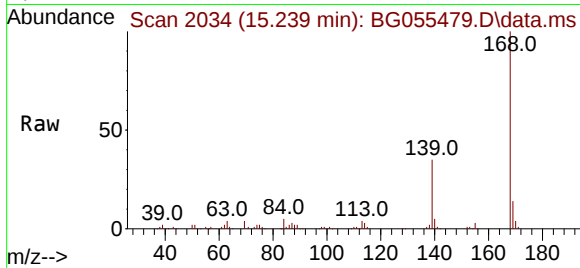




#56
4-Nitrophenol
Concen: 22.868 ng
RT: 15.239 min Scan# 2034
Delta R.T. 0.176 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

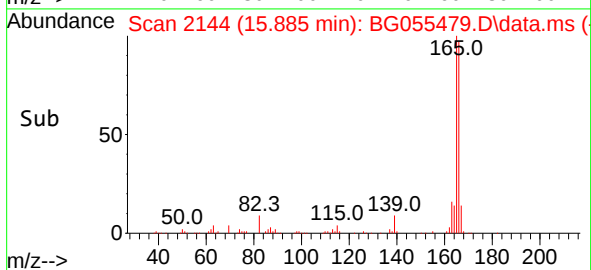
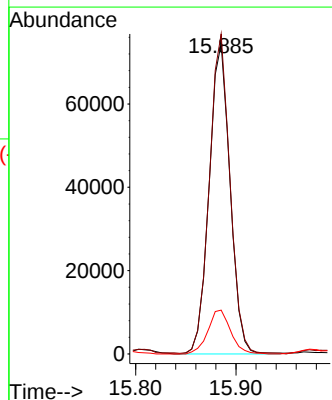
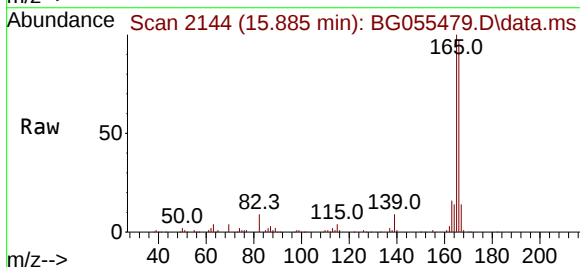
Instrument :
BNA_G
ClientSampleId :
371

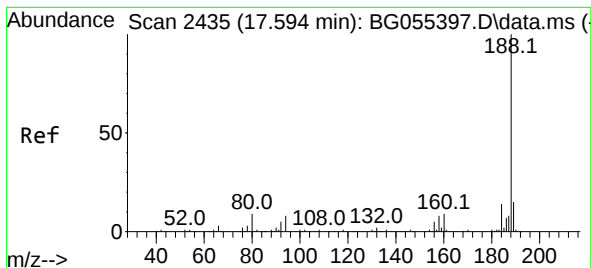
Tgt Ion:139 Resp: 28593
Ion Ratio Lower Upper
139 100
109 1.0 56.1 96.1#
65 1.3 71.2 111.2#



#58
Fluorene
Concen: 14.979 ng
RT: 15.885 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion:166 Resp: 108058
Ion Ratio Lower Upper
166 100
165 103.1 81.0 121.6
167 14.1 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.577 min Scan# 2435

Delta R.T. -0.006 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

371

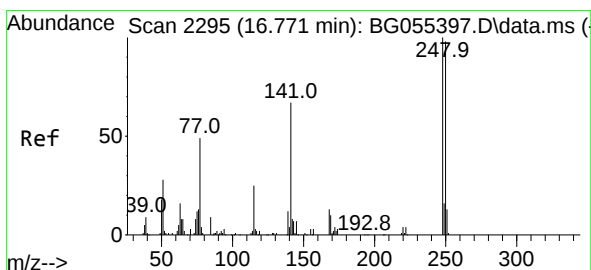
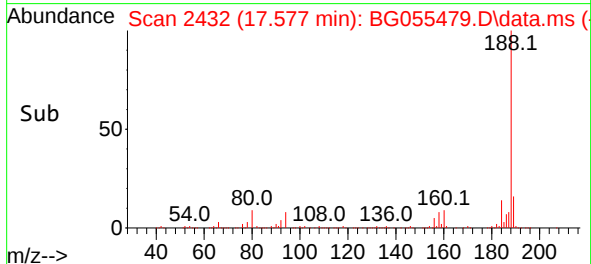
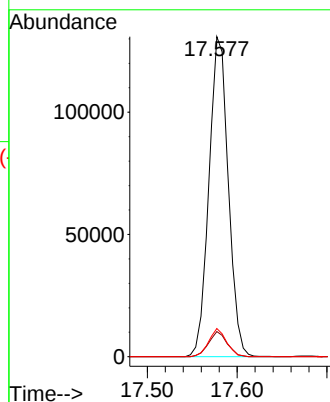
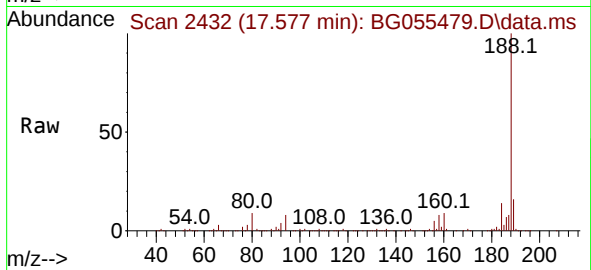
Tgt Ion:188 Resp: 195875

Ion Ratio Lower Upper

188 100

94 7.8 6.5 9.7

80 8.8 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 3.277 ng

RT: 16.326 min Scan# 2219

Delta R.T. -0.435 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

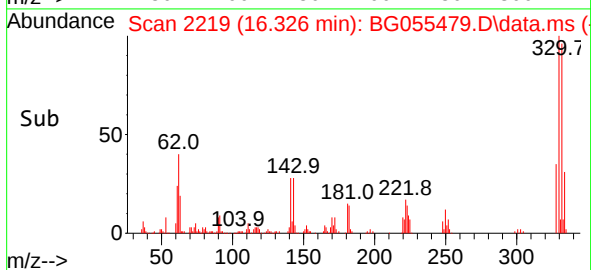
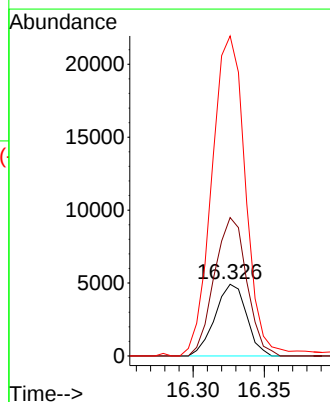
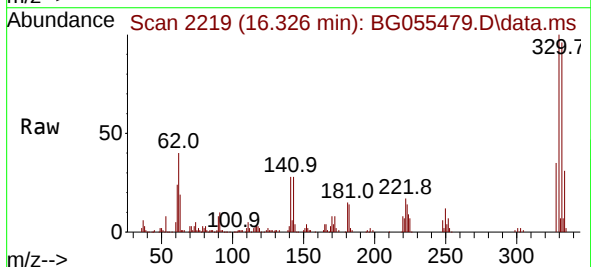
Tgt Ion:248 Resp: 7588

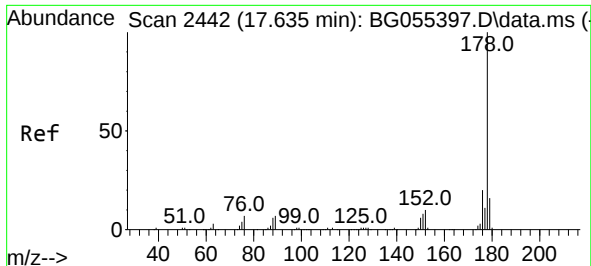
Ion Ratio Lower Upper

248 100

250 193.2 78.3 117.5#

141 446.7 53.7 80.5#

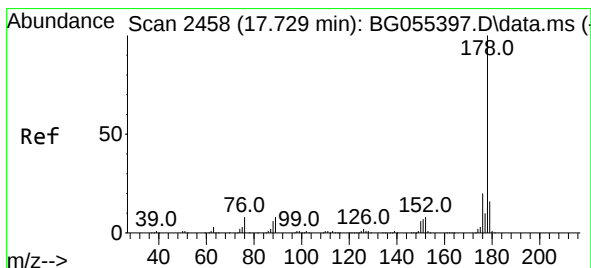
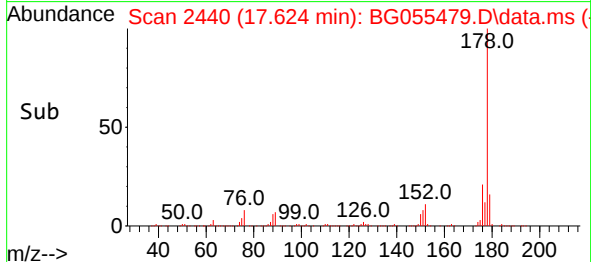
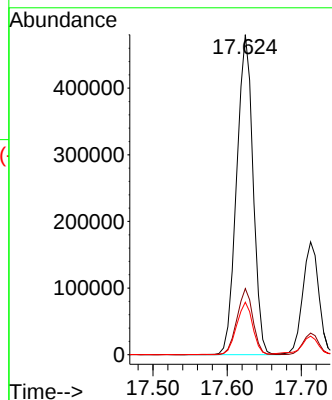
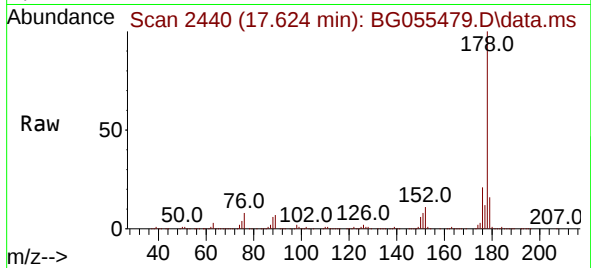




#71
Phenanthrene
Concen: 66.933 ng
RT: 17.624 min Scan# 2442
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

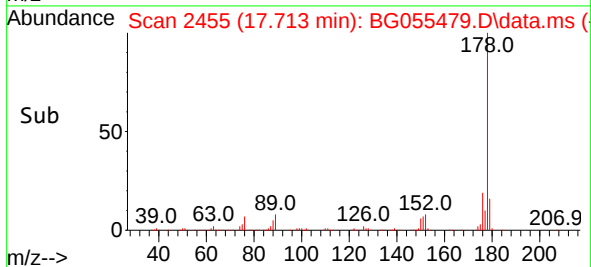
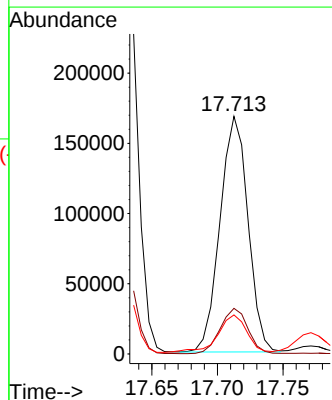
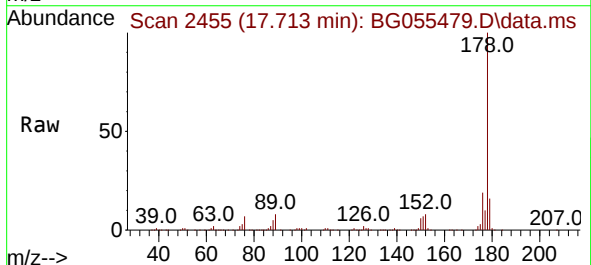
Instrument :
BNA_G
ClientSampleId :
371

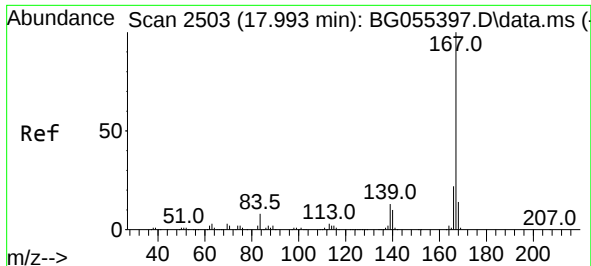
Tgt Ion:178 Resp: 737448
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 16.4 12.7 19.1



#72
Anthracene
Concen: 23.028 ng
RT: 17.713 min Scan# 2455
Delta R.T. -0.000 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion:178 Resp: 248688
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 16.4 13.0 19.6

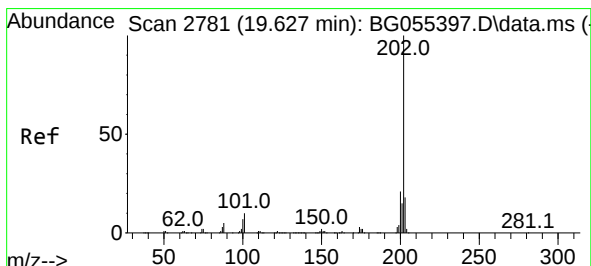
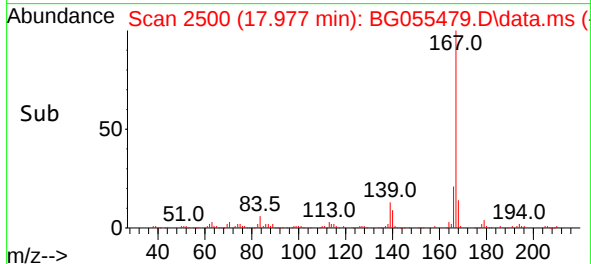
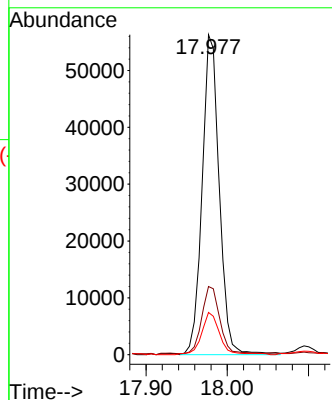
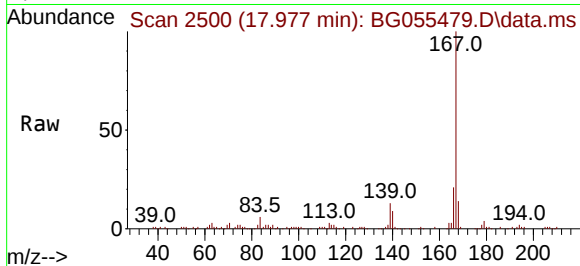




#73
 Carbazole
 Concen: 8.205 ng
 RT: 17.977 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG055479.D
 Acq: 5 Nov 2022 21:04

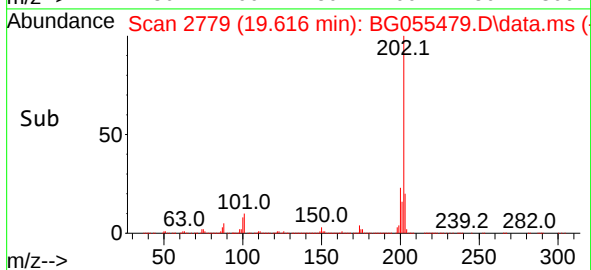
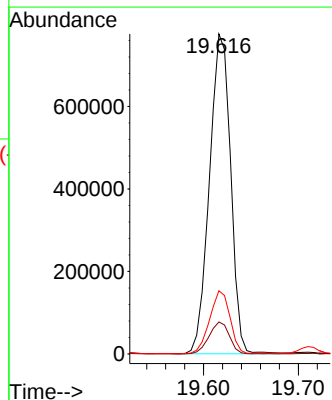
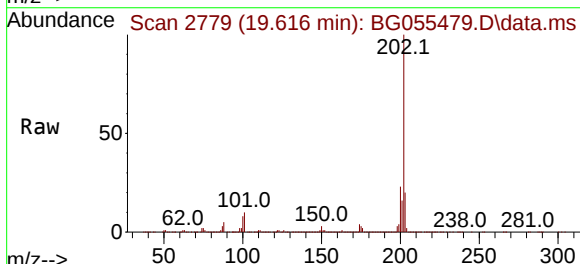
Instrument :
 BNA_G
 ClientSampleId :
 371

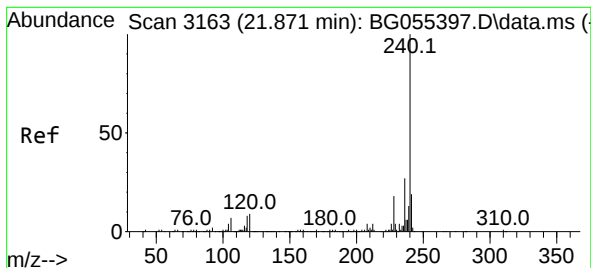
Tgt Ion:167 Resp: 82435
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.9 26.9
 139 13.2 10.4 15.6



#75
 Fluoranthene
 Concen: 90.652 ng
 RT: 19.616 min Scan# 2779
 Delta R.T. -0.000 min
 Lab File: BG055479.D
 Acq: 5 Nov 2022 21:04

Tgt Ion:202 Resp: 1201391
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 29.8
 203 19.8 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.855 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

371

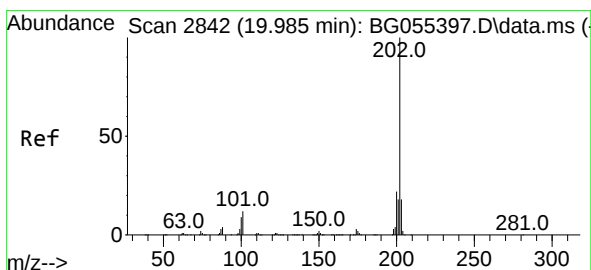
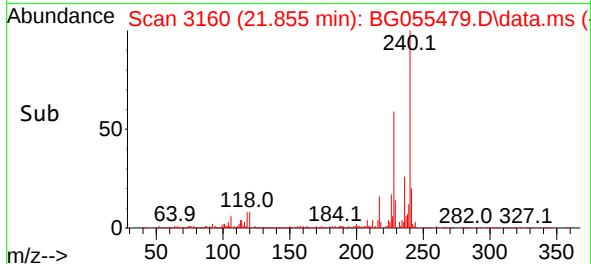
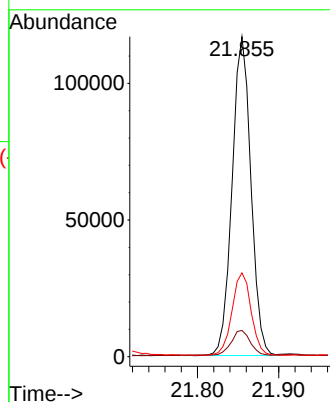
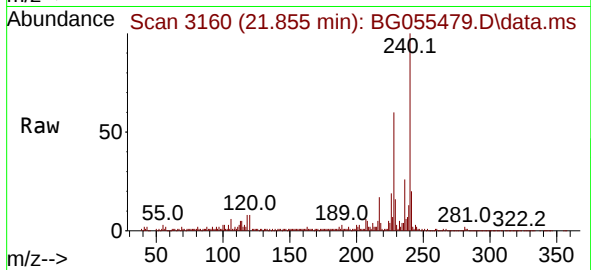
Tgt Ion:240 Resp: 187885

Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

236 26.2 21.5 32.3



#78

Pyrene

Concen: 79.760 ng

RT: 19.975 min Scan# 2840

Delta R.T. -0.000 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

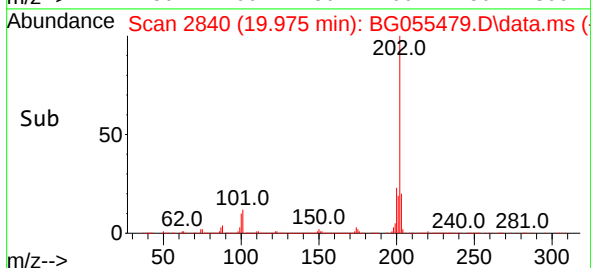
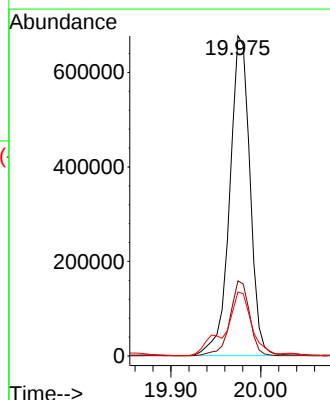
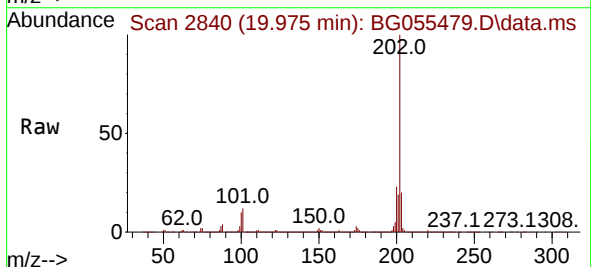
Tgt Ion:202 Resp: 1057179

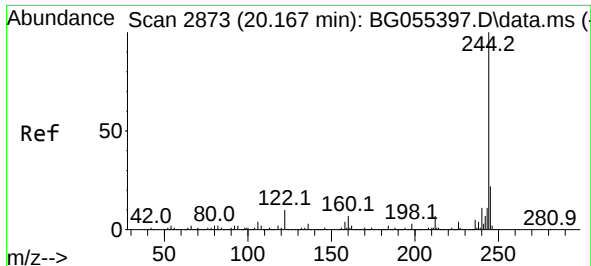
Ion Ratio Lower Upper

202 100

200 23.4 17.4 26.2

203 20.0 14.7 22.1

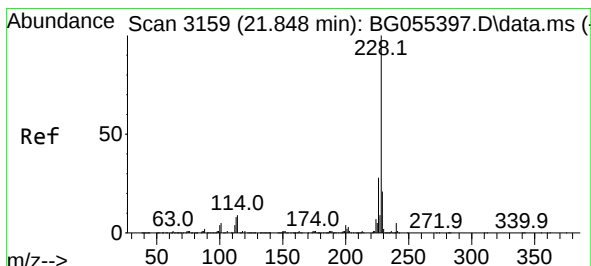
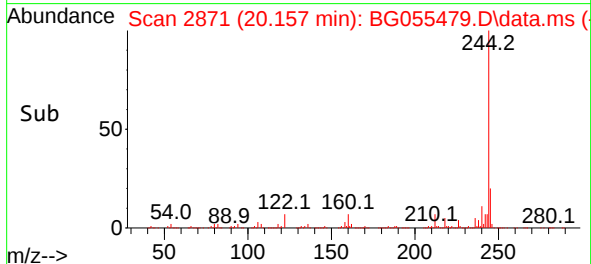
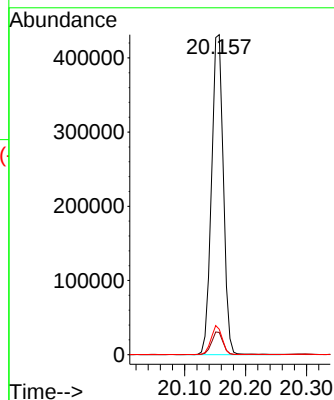
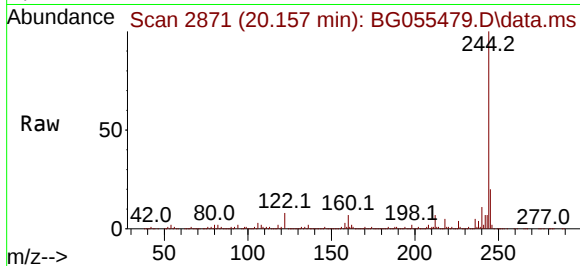




#79
 Terphenyl-d14
 Concen: 60.149 ng
 RT: 20.157 min Scan# 20156
 Delta R.T. -0.000 min
 Lab File: BG055479.D
 Acq: 5 Nov 2022 21:04

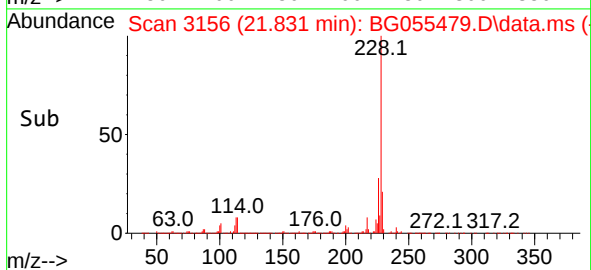
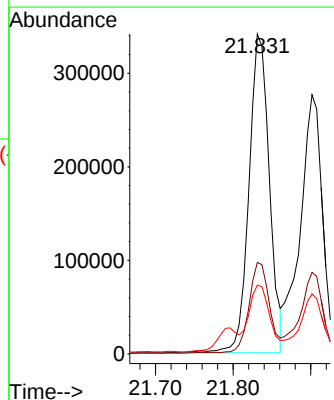
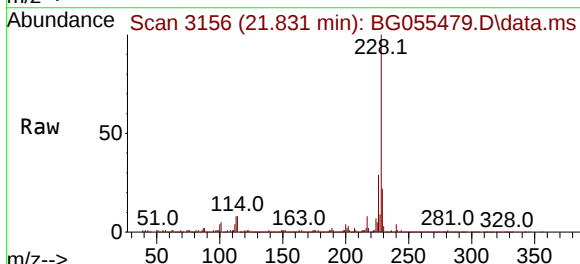
Instrument :
 BNA_G
 ClientSampleId :
 371

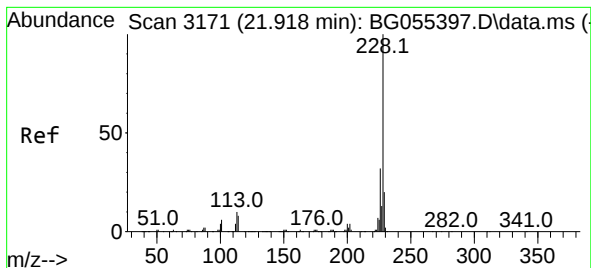
Tgt Ion:244 Resp: 581169
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 8.0 7.8 11.6



#81
 Benzo(a)anthracene
 Concen: 48.182 ng
 RT: 21.831 min Scan# 3156
 Delta R.T. -0.000 min
 Lab File: BG055479.D
 Acq: 5 Nov 2022 21:04

Tgt Ion:228 Resp: 621423
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.6 33.8
 229 21.5 16.5 24.7





#83

Chrysene

Concen: 43.093 ng

RT: 21.902 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

371

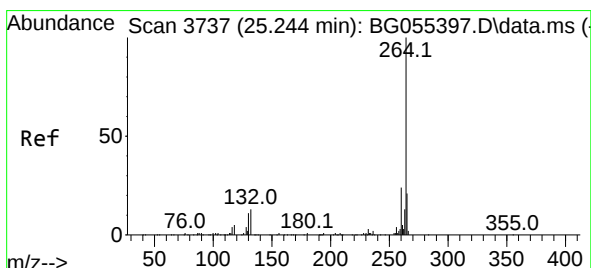
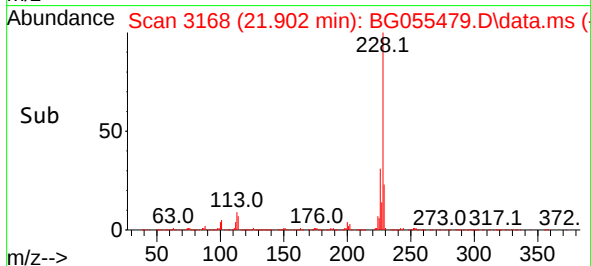
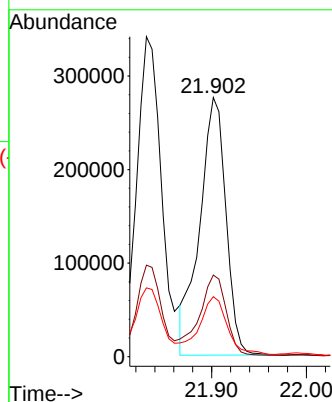
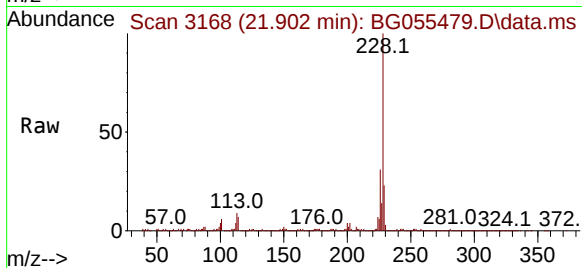
Tgt Ion:228 Resp: 530250

Ion Ratio Lower Upper

228 100

226 31.5 25.2 37.8

229 23.2 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.227 min Scan# 3734

Delta R.T. 0.006 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

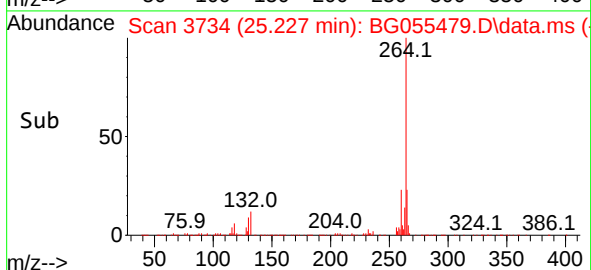
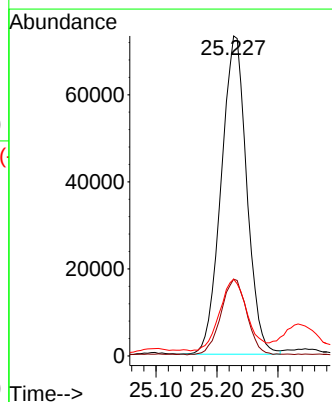
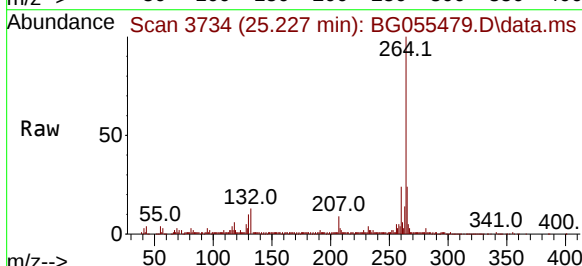
Tgt Ion:264 Resp: 212820

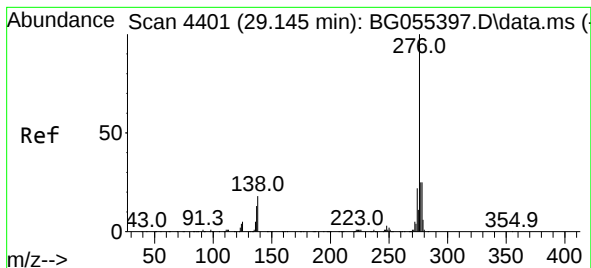
Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

265 24.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 24.675 ng

RT: 29.117 min Scan# 41

Delta R.T. 0.006 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

Instrument :

BNA_G

ClientSampleId :

371

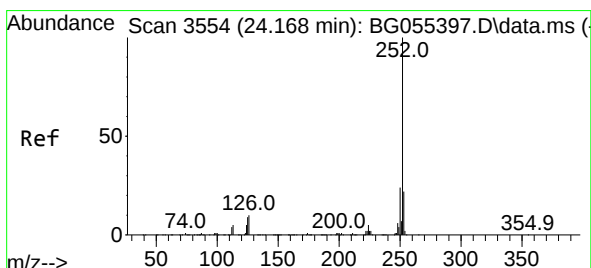
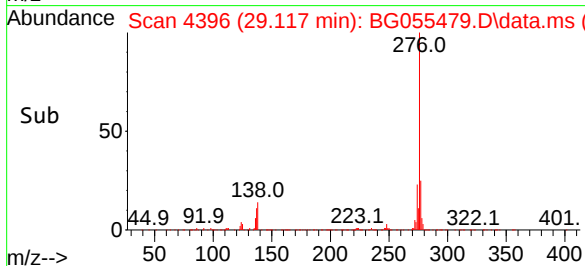
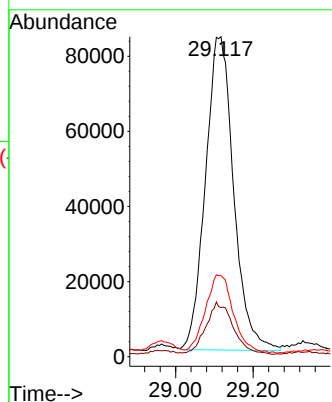
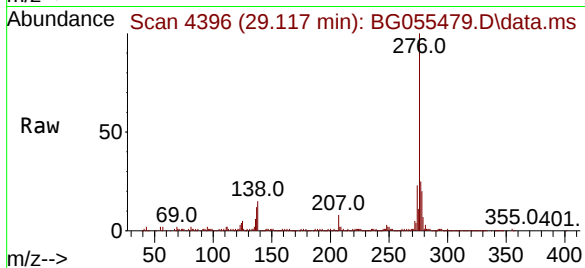
Tgt Ion:276 Resp: 421620

Ion Ratio Lower Upper

276 100

138 16.0 16.2 24.2#

277 24.9 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 62.960 ng

RT: 24.158 min Scan# 3552

Delta R.T. 0.011 min

Lab File: BG055479.D

Acq: 5 Nov 2022 21:04

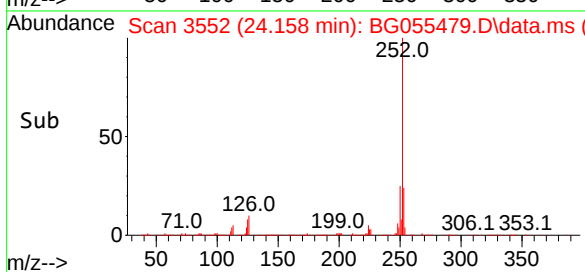
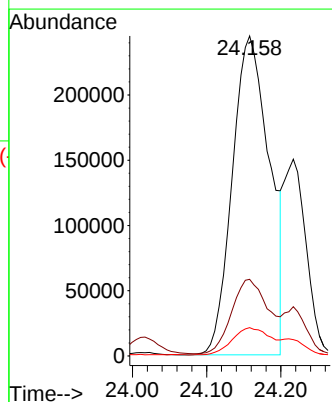
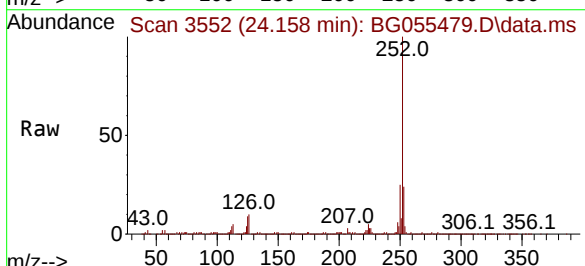
Tgt Ion:252 Resp: 851111

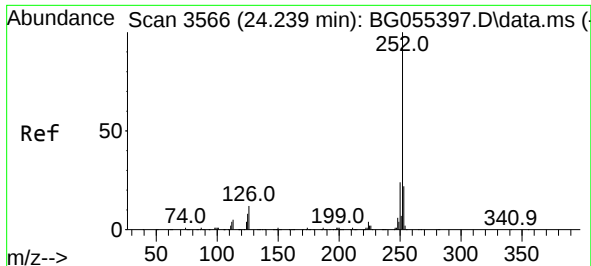
Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

125 8.8 6.8 10.2

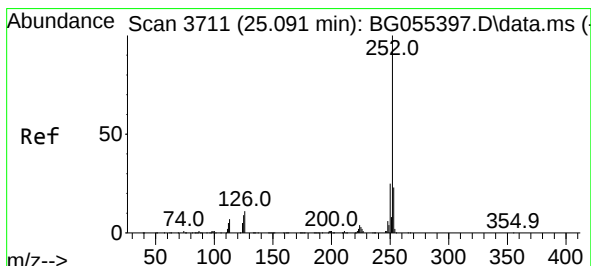
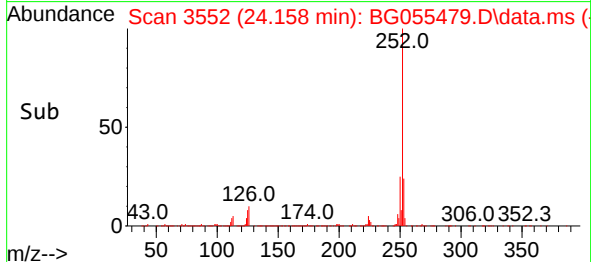
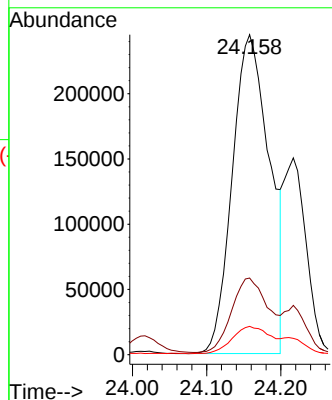
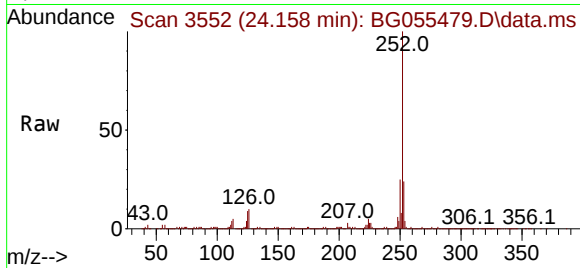




#89
Benzo(k)fluoranthene
Concen: 62.651 ng
RT: 24.158 min Scan# 371
Delta R.T. -0.059 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

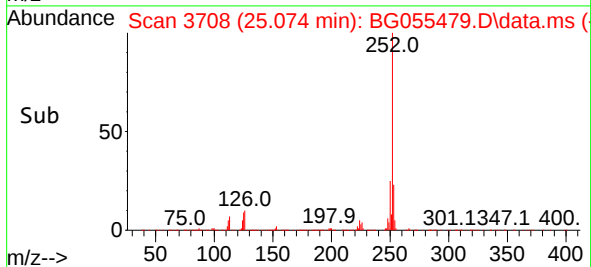
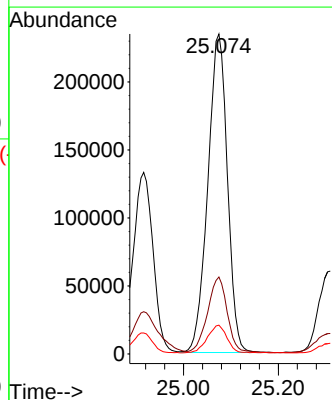
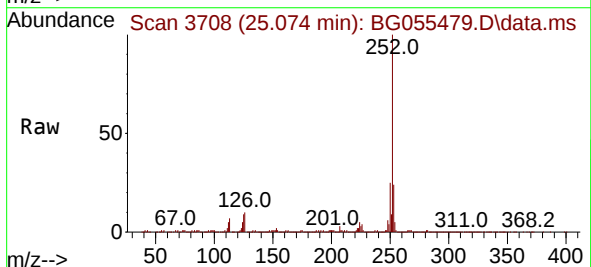
Instrument :
BNA_G
ClientSampleId :
371

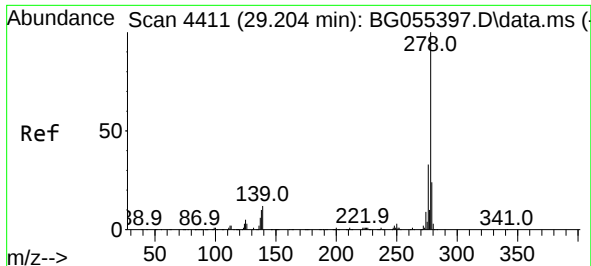
Tgt Ion:252 Resp: 851111
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 8.8 6.9 10.3



#90
Benzo(a)pyrene
Concen: 57.410 ng
RT: 25.074 min Scan# 3708
Delta R.T. 0.011 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion:252 Resp: 671062
Ion Ratio Lower Upper
252 100
253 24.0 18.2 27.2
125 9.0 7.1 10.7

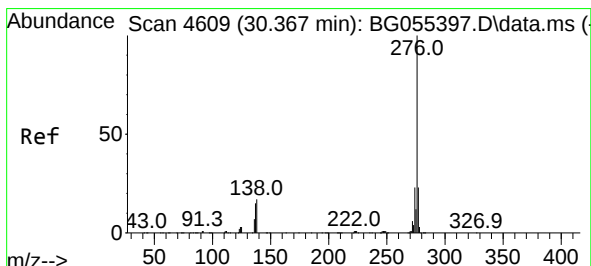
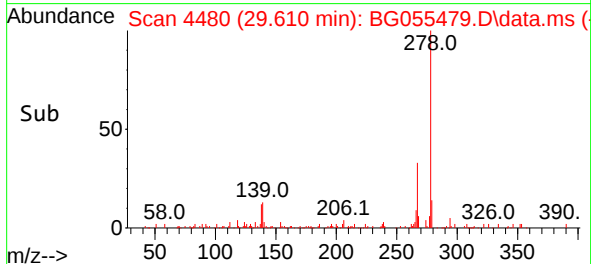
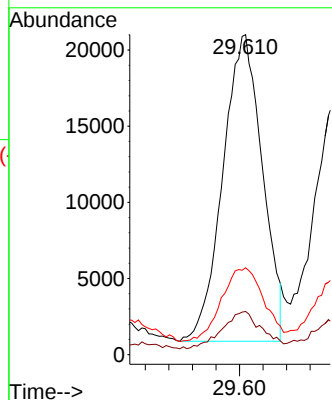
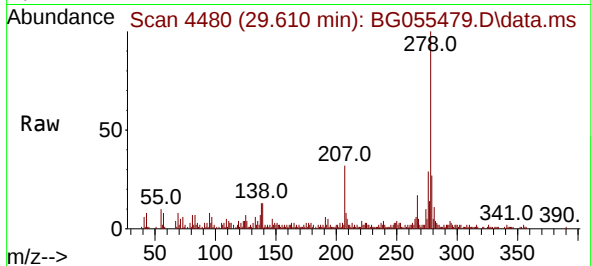




#91
Dibenzo(a,h)anthracene
Concen: 6.645 ng
RT: 29.610 min Scan# 4411
Delta R.T. 0.452 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Instrument :
BNA_G
ClientSampleId :
371

Tgt Ion:278 Resp: 93677
Ion Ratio Lower Upper
278 100
139 13.5 9.9 14.9
279 27.2 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 27.346 ng
RT: 30.333 min Scan# 4603
Delta R.T. 0.011 min
Lab File: BG055479.D
Acq: 5 Nov 2022 21:04

Tgt Ion:276 Resp: 383413
Ion Ratio Lower Upper
276 100
277 25.3 18.6 28.0
138 16.2 13.4 20.0

