

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
 Data File : BG054289.D
 Acq On : 14 Jul 2022 21:10
 Operator : CG/JU
 Sample : N3711-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC124035

Quant Time: Jul 15 01:59:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 15:49:20 2022
 Response via : Initial Calibration

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

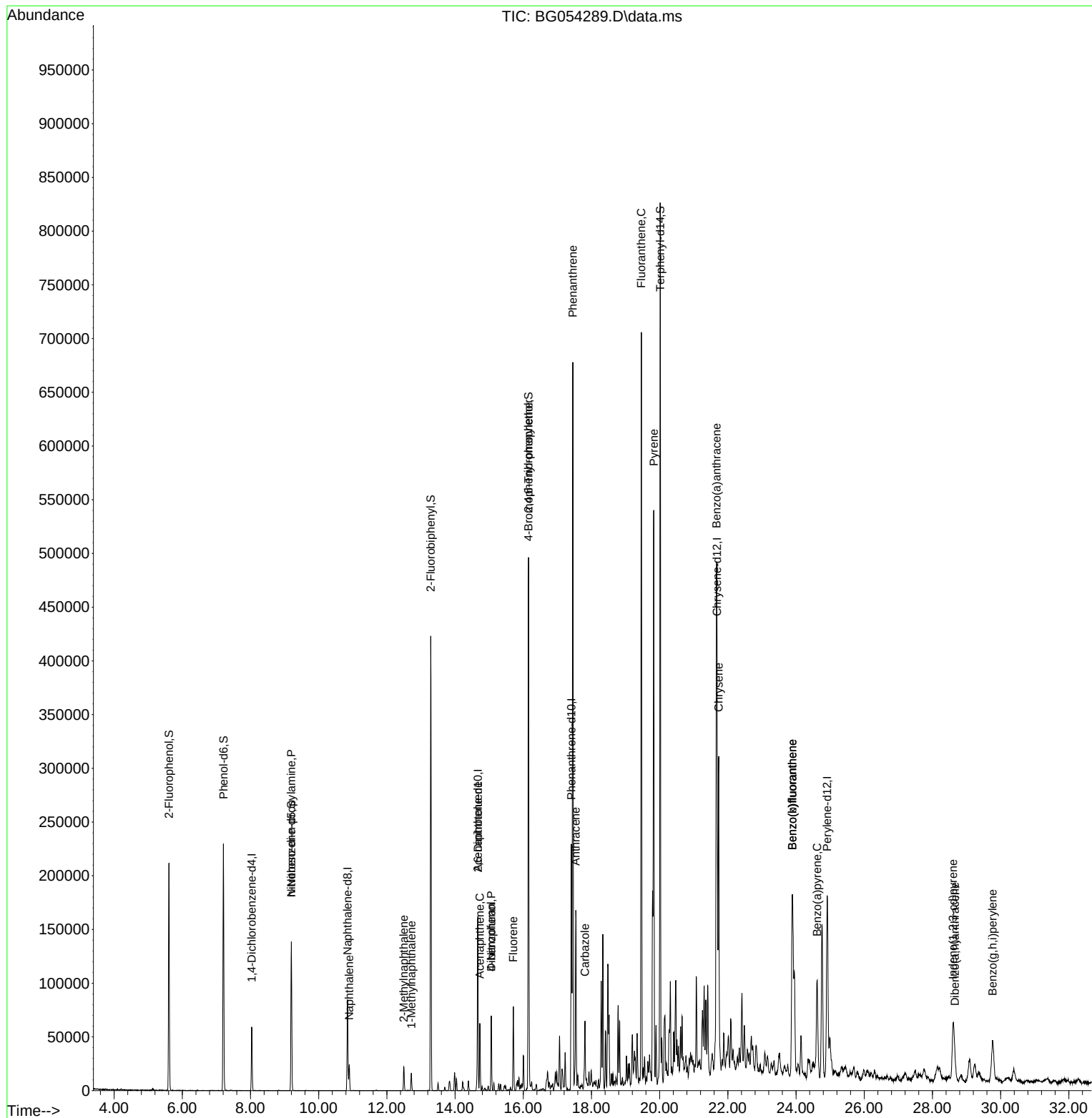
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.035	152	19185	20.000	ng	0.00
21) Naphthalene-d8	10.844	136	79042	20.000	ng	# 0.00
39) Acenaphthene-d10	14.669	164	64942	20.000	ng	0.00
64) Phenanthrene-d10	17.413	188	170168	20.000	ng	# 0.00
76) Chrysene-d12	21.684	240	201787	20.000	ng	# 0.00
86) Perylene-d12	24.916	264	218765	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.609	112	93554	97.972	ng	0.00
7) Phenol-d6	7.207	99	126721	96.216	ng	0.00
23) Nitrobenzene-d5	9.199	82	83981	57.658	ng	0.00
42) 2,4,6-Tribromophenol	16.155	330	125184	99.511	ng	0.00
45) 2-Fluorobiphenyl	13.288	172	244690	55.362	ng	0.00
79) Terphenyl-d14	20.015	244	469928	47.890	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.199	70	12082	13.437	ng	# 78
31) Naphthalene	10.897	128	21671	5.452	ng	98
37) 2-Methylnaphthalene	12.495	142	12111	3.976	ng	96
38) 1-Methylnaphthalene	12.718	142	9113	3.081	ng	98
51) 2,6-Dinitrotoluene	14.669	165	10451	9.430	ng	# 16
52) Acenaphthene	14.727	154	24997	7.462	ng	99
55) Dibenzofuran	15.062	168	46704	7.937	ng	# 97
56) 4-Nitrophenol	15.062	139	16136	25.567	ng	# 1
58) Fluorene	15.709	166	37881	7.750	ng	97
67) 4-Bromophenyl-phenylether	16.149	248	7206	3.175	ng	# 1
71) Phenanthrene	17.454	178	475255	55.832	ng	97
72) Anthracene	17.542	178	126752	15.205	ng	97
73) Carbazole	17.812	167	43595	6.175	ng	97
75) Fluoranthene	19.463	202	504504	43.581	ng	95
78) Pyrene	19.827	202	408554	35.180	ng	98
81) Benzo(a)anthracene	21.666	228	293004	22.954	ng	99
83) Chrysene	21.731	228	225662	18.692	ng	96
87) Indeno(1,2,3-cd)pyrene	28.605	276	107976	6.561	ng	# 94
88) Benzo(b)fluoranthene	23.893	252	255058	19.661	ng	# 97
89) Benzo(k)fluoranthene	23.893	252	255058	19.819	ng	# 98
90) Benzo(a)pyrene	24.616	252	109124	9.831	ng	94
91) Dibenzo(a,h)anthracene	28.658	278	36071	2.675	ng	# 94
92) Benzo(g,h,i)perylene	29.763	276	90116	6.701	ng	# 91

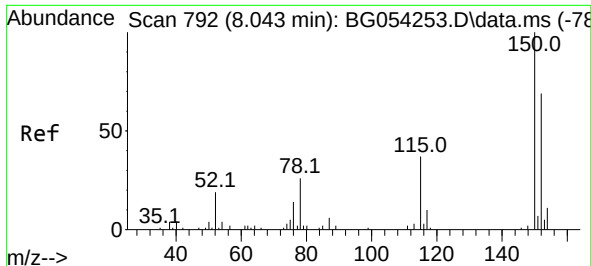
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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Quant Time: Jul 15 01:59:10 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 12 15:49:20 2022
Response via : Initial Calibration

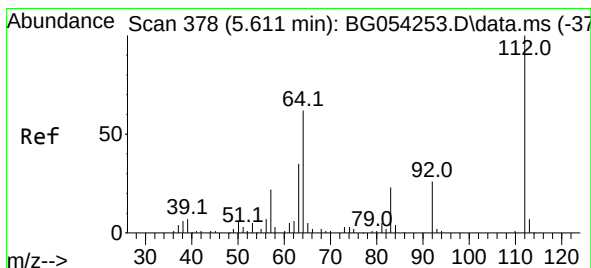
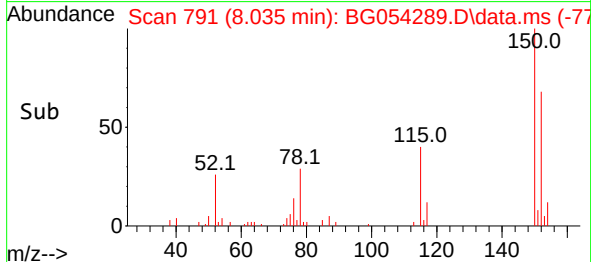
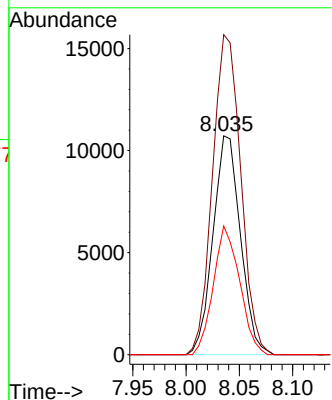
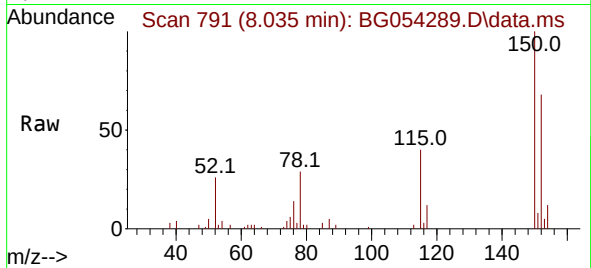




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.035 min Scan# 792
Delta R.T. -0.008 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

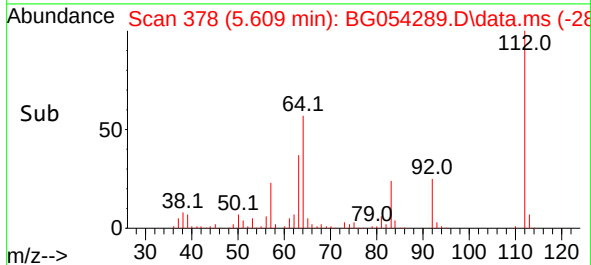
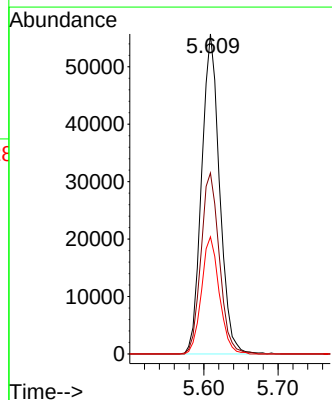
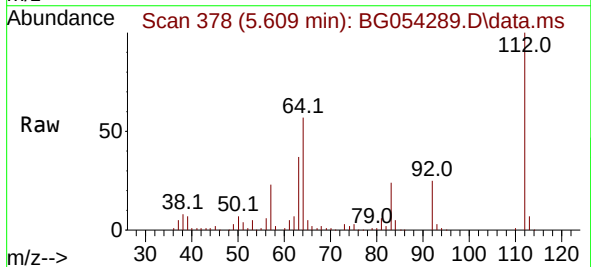
Instrument :
BNA_G
ClientSampleId :
PSC124035

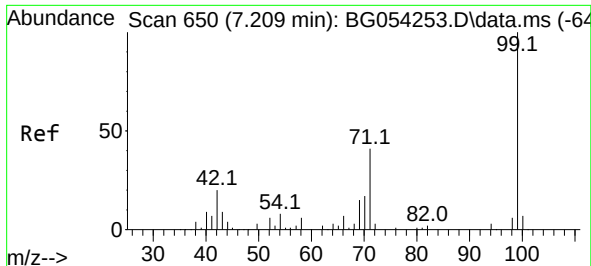
Tgt Ion:152 Resp: 19185
Ion Ratio Lower Upper
152 100
150 146.2 131.6 197.4
115 58.8 50.9 76.3



#5
2-Fluorophenol
Concen: 97.972 ng
RT: 5.609 min Scan# 378
Delta R.T. -0.002 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

Tgt Ion:112 Resp: 93554
Ion Ratio Lower Upper
112 100
64 56.6 55.1 82.7
63 36.6 30.4 45.6

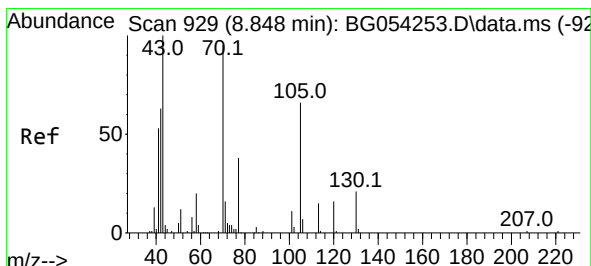
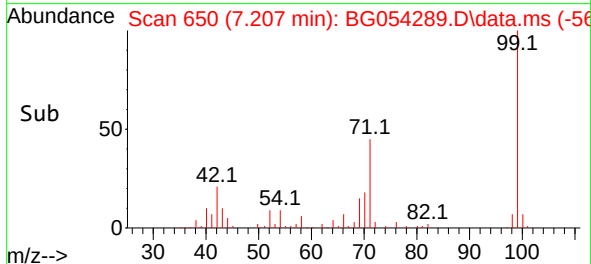
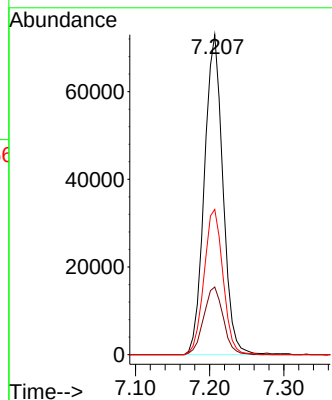
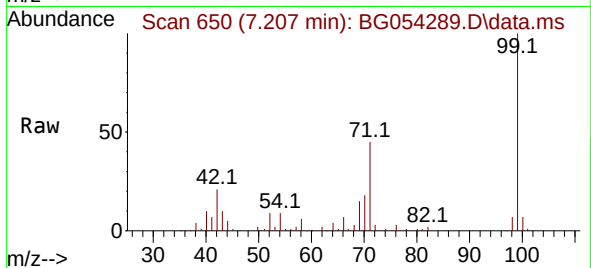




#7
Phenol-d6
Concen: 96.216 ng
RT: 7.207 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

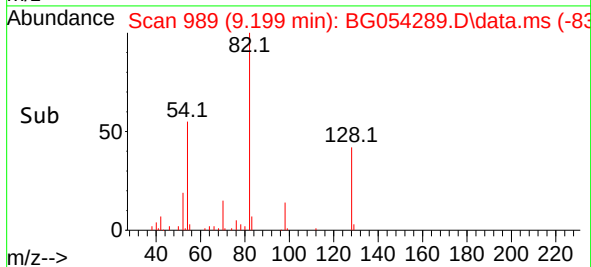
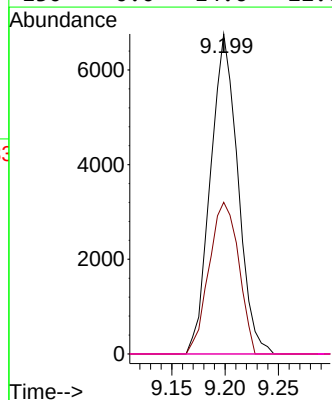
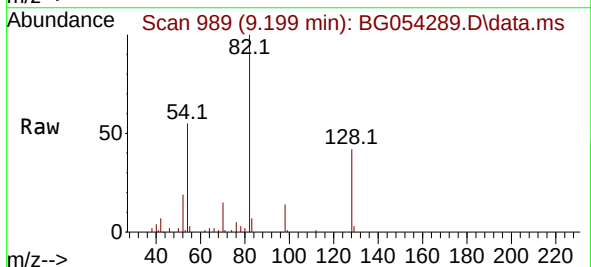
Instrument :
BNA_G
ClientSampleId :
PSC124035

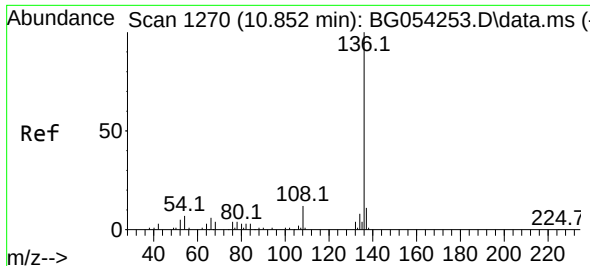
Tgt Ion: 99 Resp: 126721
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.6
71 45.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.437 ng
RT: 9.199 min Scan# 989
Delta R.T. 0.351 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

Tgt Ion: 70 Resp: 12082
Ion Ratio Lower Upper
70 100
42 47.4 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

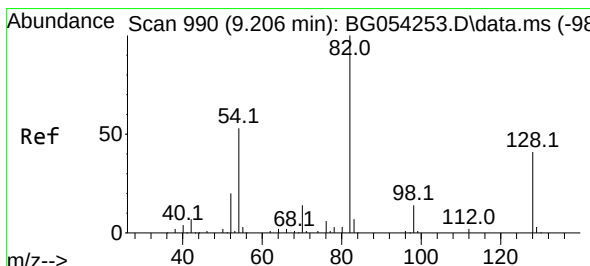
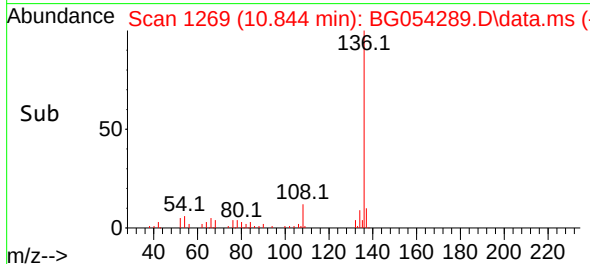
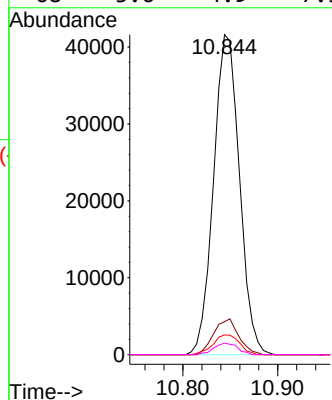
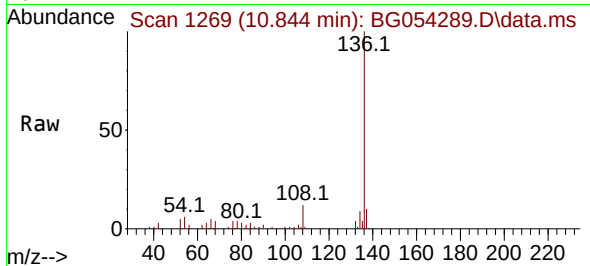




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.844 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

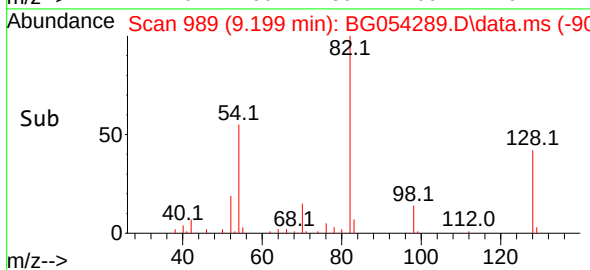
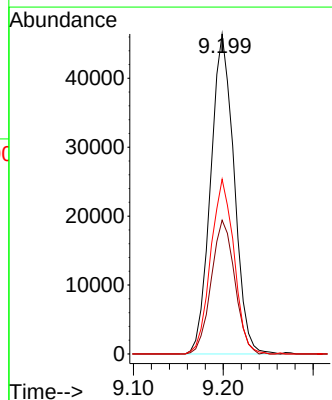
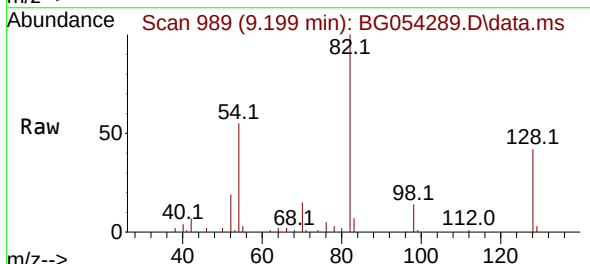
Instrument :
BNA_G
ClientSampleId :
PSC124035

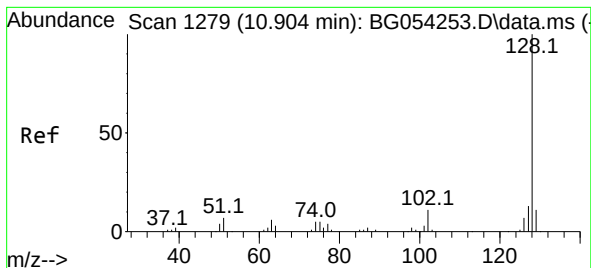
Tgt Ion:	136	Resp:	79042
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	6.1	7.4	11.2#
68	3.6	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 57.658 ng
RT: 9.199 min Scan# 989
Delta R.T. -0.008 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

Tgt Ion:	82	Resp:	83981
Ion	Ratio	Lower	Upper
82	100		
128	41.8	27.9	41.9
54	54.6	41.2	61.8





#31

Naphthalene

Concen: 5.452 ng

RT: 10.897 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG054289.D

Acq: 14 Jul 2022 21:10

Instrument :

BNA_G

ClientSampleId :

PSC124035

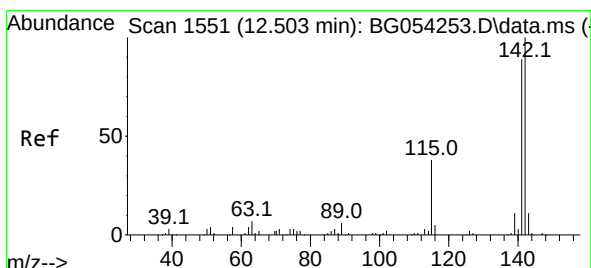
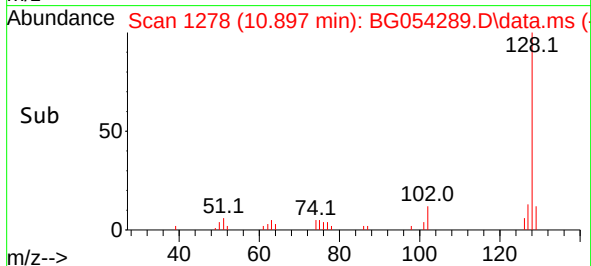
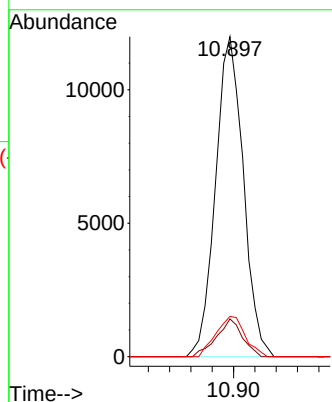
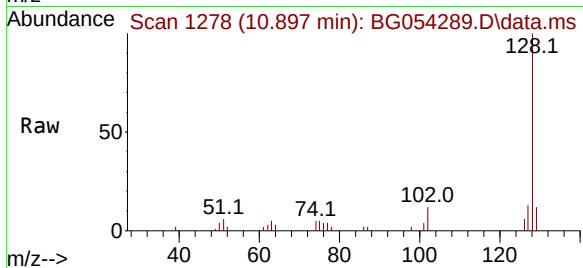
Tgt Ion:128 Resp: 21671

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

127 12.6 11.1 16.7



#37

2-Methylnaphthalene

Concen: 3.976 ng

RT: 12.495 min Scan# 1550

Delta R.T. -0.008 min

Lab File: BG054289.D

Acq: 14 Jul 2022 21:10

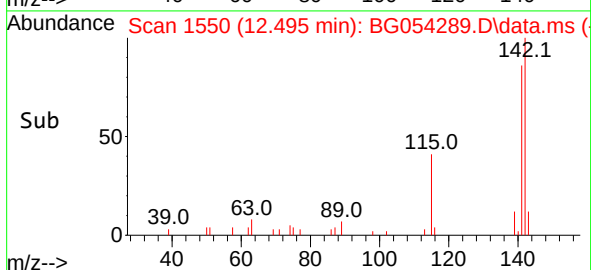
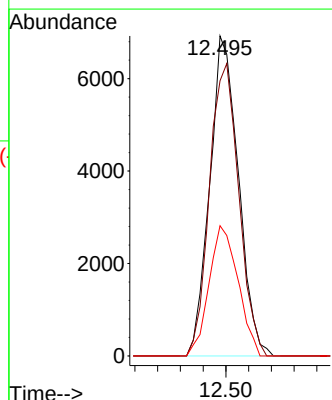
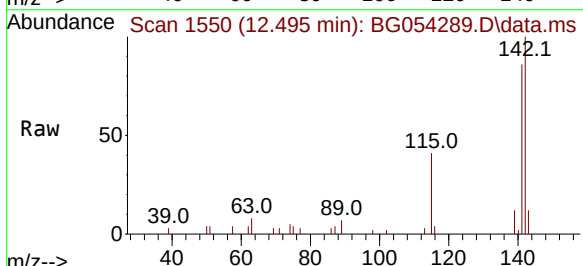
Tgt Ion:142 Resp: 12111

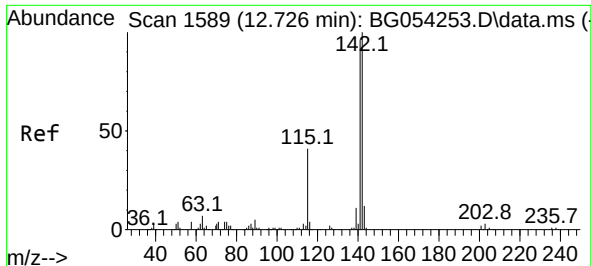
Ion Ratio Lower Upper

142 100

141 86.0 72.3 108.5

115 40.7 33.7 50.5





#38

1-Methylnaphthalene

Concen: 3.081 ng

RT: 12.718 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG054289.D

Acq: 14 Jul 2022 21:10

Instrument :

BNA_G

ClientSampleId :

PSC124035

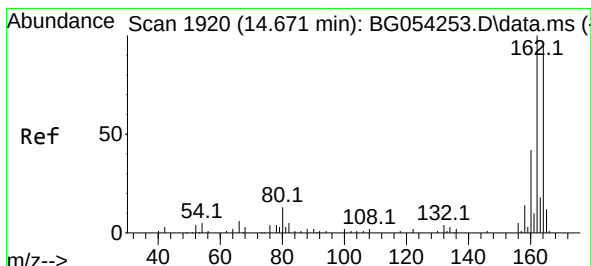
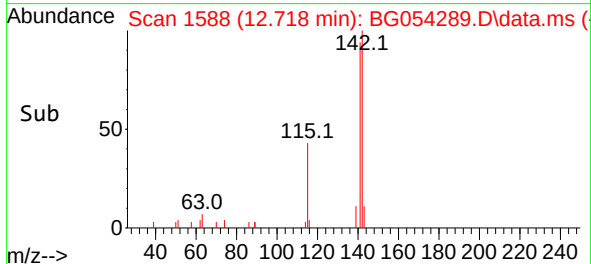
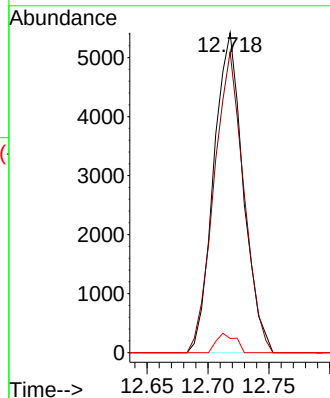
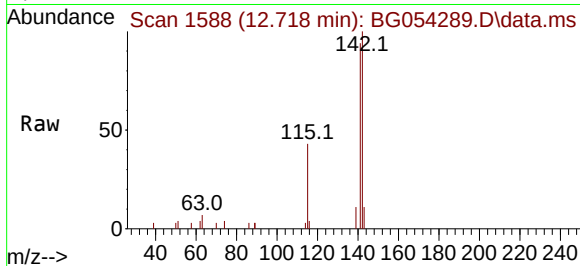
Tgt Ion:142 Resp: 9113

Ion Ratio Lower Upper

142 100

141 94.0 76.4 114.6

116 4.5 3.3 4.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.669 min Scan# 1920

Delta R.T. -0.002 min

Lab File: BG054289.D

Acq: 14 Jul 2022 21:10

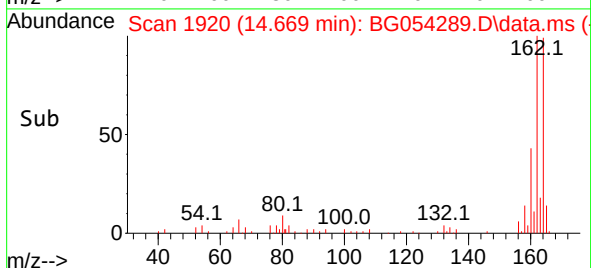
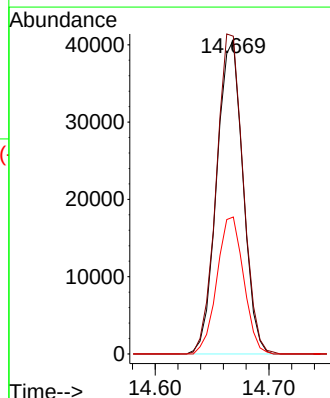
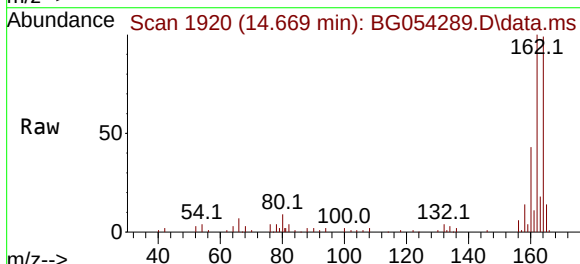
Tgt Ion:164 Resp: 64942

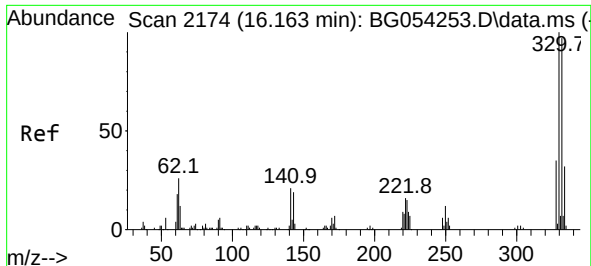
Ion Ratio Lower Upper

164 100

162 101.3 82.3 123.5

160 43.6 34.2 51.2

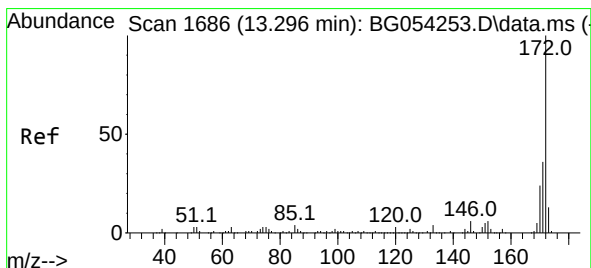
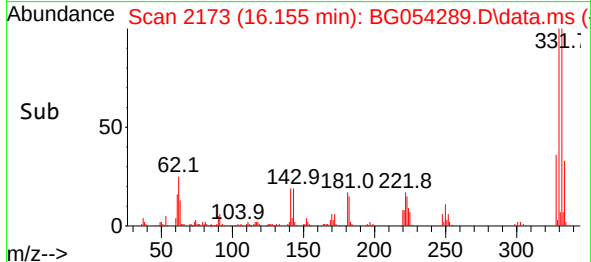
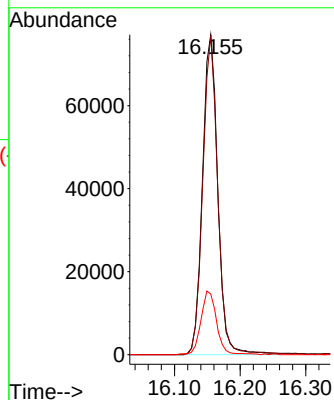
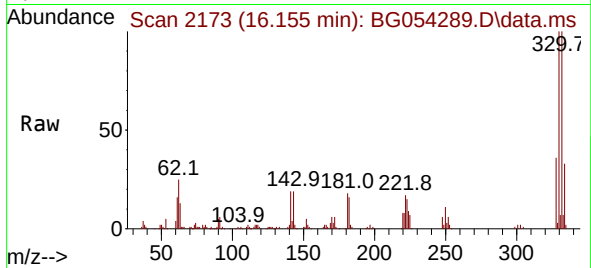




#42
2,4,6-Tribromophenol
Concen: 99.511 ng
RT: 16.155 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

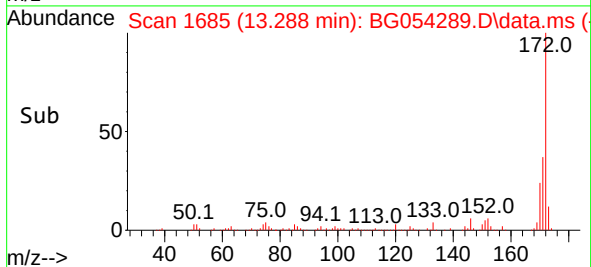
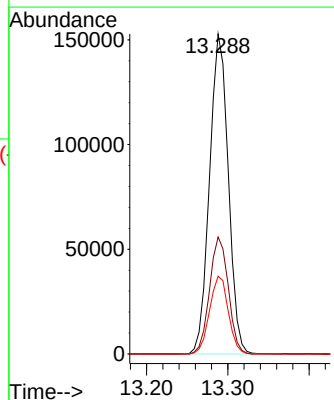
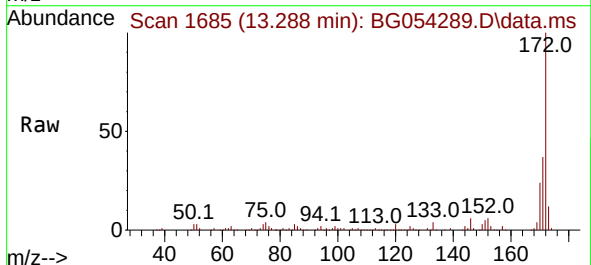
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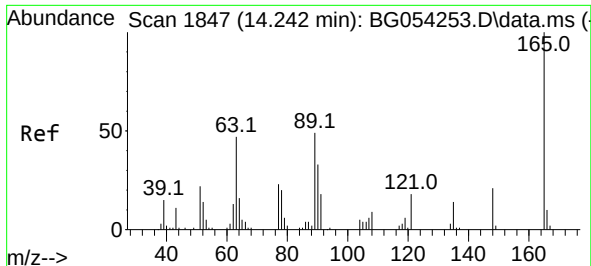
Tgt Ion:330 Resp: 125184
Ion Ratio Lower Upper
330 100
332 97.8 76.0 114.0
141 20.4 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 55.362 ng
RT: 13.288 min Scan# 1685
Delta R.T. -0.008 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

Tgt Ion:172 Resp: 244690
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.3 18.9 28.3

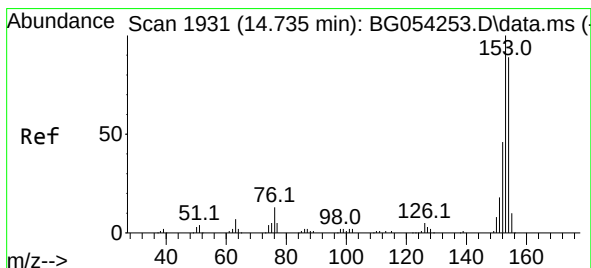
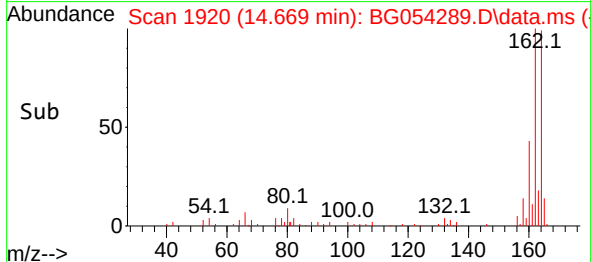
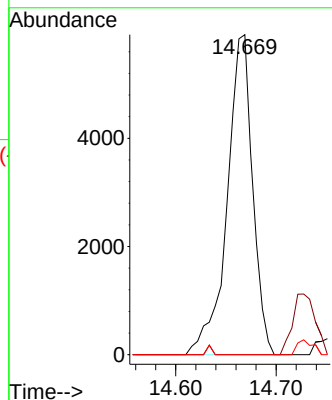
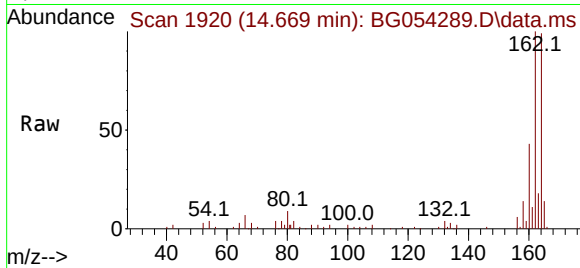




#51
2,6-Dinitrotoluene
Concen: 9.430 ng
RT: 14.669 min Scan# 1920
Delta R.T. 0.427 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

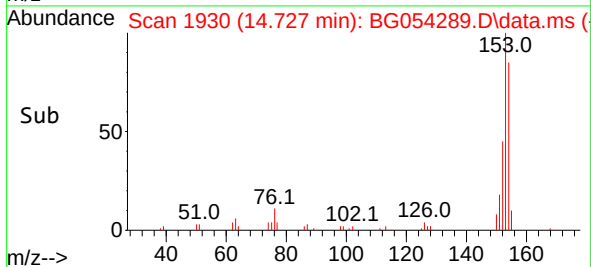
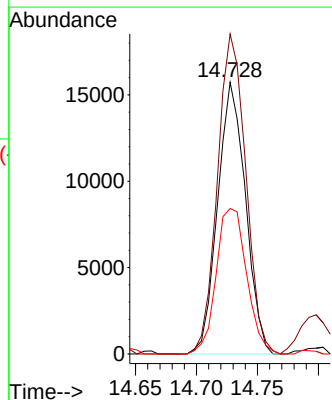
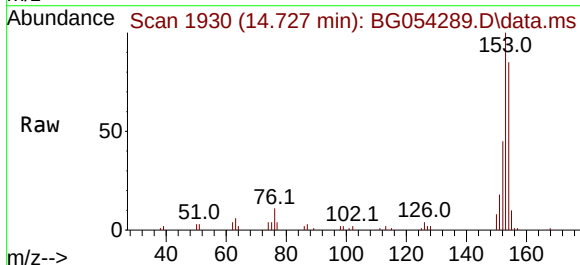
Instrument :
BNA_G
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PSC124035

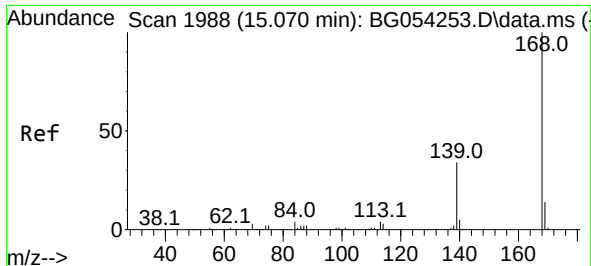
Tgt Ion:165 Resp: 10451
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#52
Acenaphthene
Concen: 7.462 ng
RT: 14.727 min Scan# 1930
Delta R.T. -0.008 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

Tgt Ion:154 Resp: 24997
Ion Ratio Lower Upper
154 100
153 117.8 92.7 139.1
152 53.6 42.6 64.0

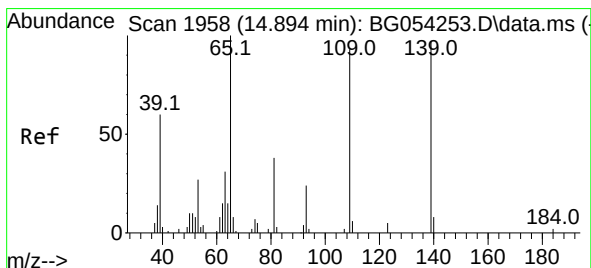
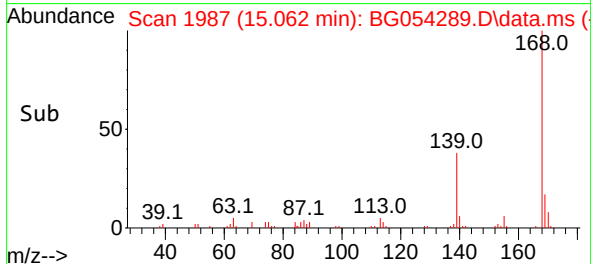
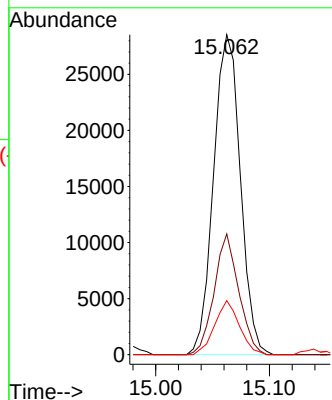
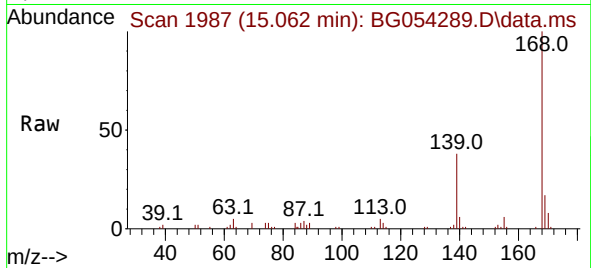




#55
Dibenzenofuran
Concen: 7.937 ng
RT: 15.062 min Scan# 1987
Delta R.T. -0.008 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

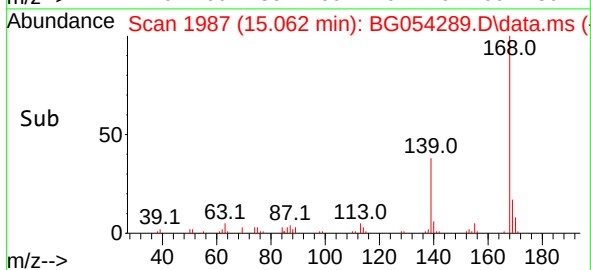
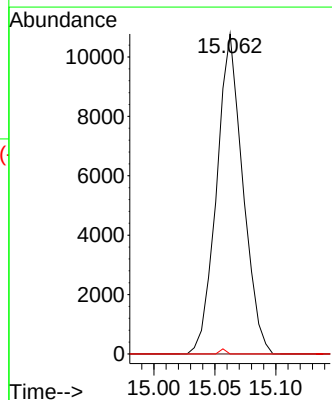
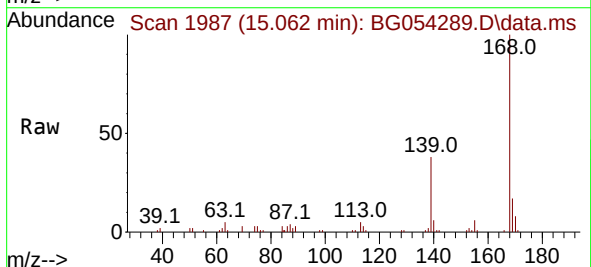
Instrument :
BNA_G
ClientSampleId :
PSC124035

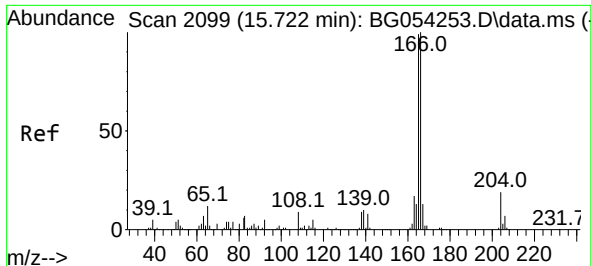
Tgt Ion:168 Resp: 46704
Ion Ratio Lower Upper
168 100
139 37.8 30.5 45.7
169 16.9 10.3 15.5#



#56
4-Nitrophenol
Concen: 25.567 ng
RT: 15.062 min Scan# 1987
Delta R.T. 0.168 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

Tgt Ion:139 Resp: 16136
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#

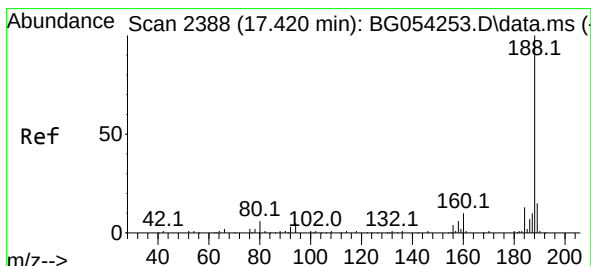
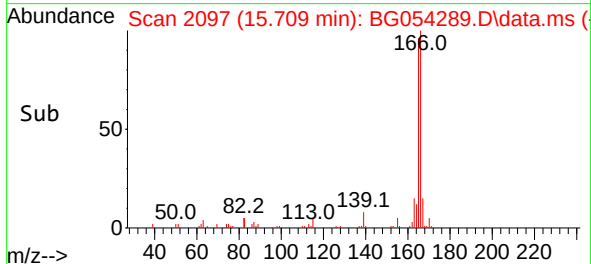
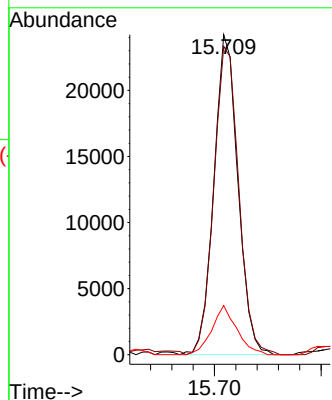
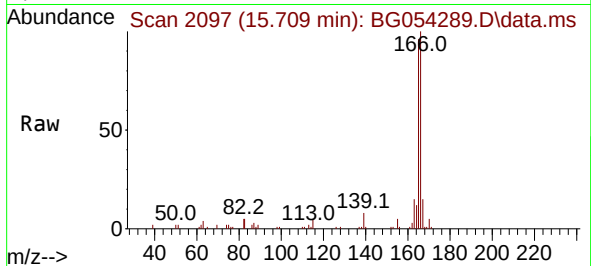




#58
 Fluorene
 Concen: 7.750 ng
 RT: 15.709 min Scan# 2099
 Delta R.T. -0.014 min
 Lab File: BG054289.D
 Acq: 14 Jul 2022 21:10

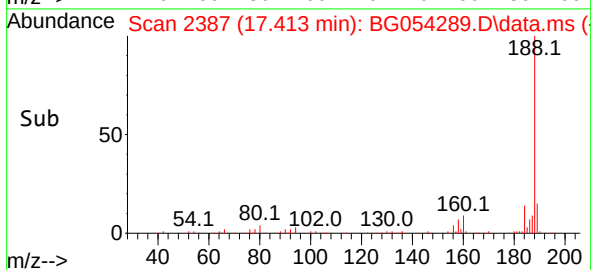
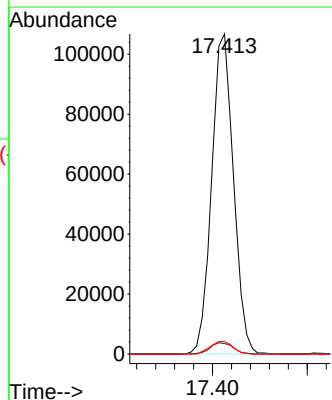
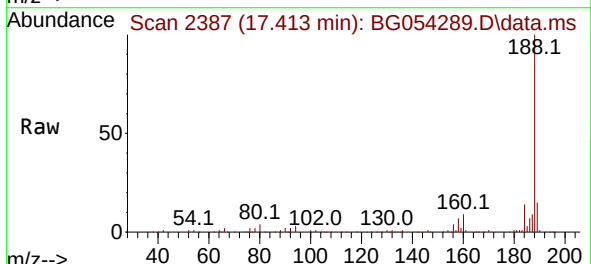
Instrument :
 BNA_G
 ClientSampleId :
 PSC124035

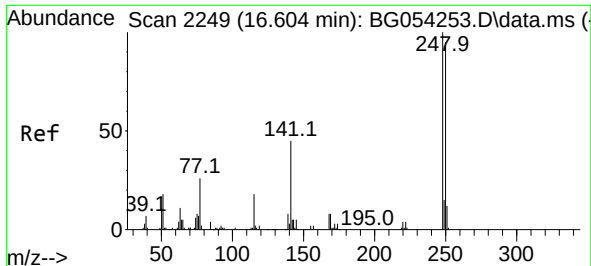
Tgt Ion:166 Resp: 37881
 Ion Ratio Lower Upper
 166 100
 165 96.3 75.0 112.6
 167 15.4 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.413 min Scan# 2387
 Delta R.T. -0.007 min
 Lab File: BG054289.D
 Acq: 14 Jul 2022 21:10

Tgt Ion:188 Resp: 170168
 Ion Ratio Lower Upper
 188 100
 94 3.3 5.4 8.0#
 80 3.8 6.8 10.2#

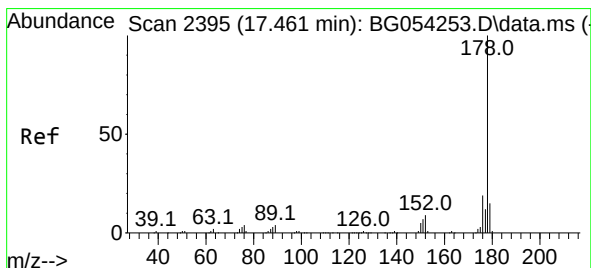
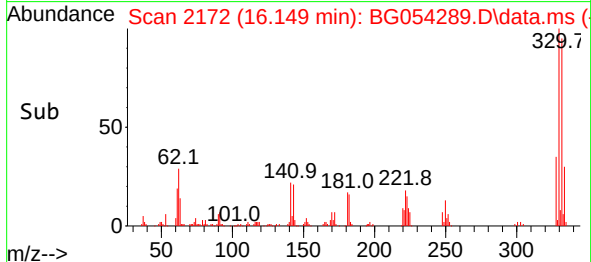
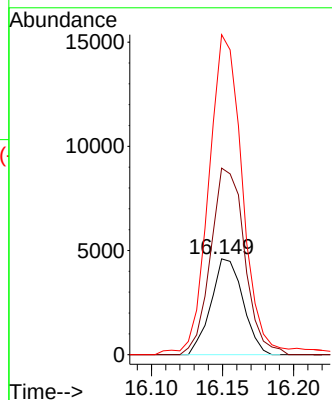
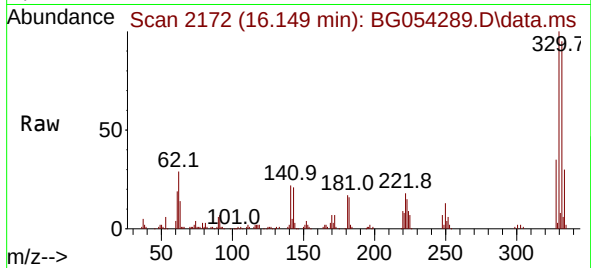




#67
4-Bromophenyl-phenylether
Concen: 3.175 ng
RT: 16.149 min Scan# 21
Delta R.T. -0.454 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

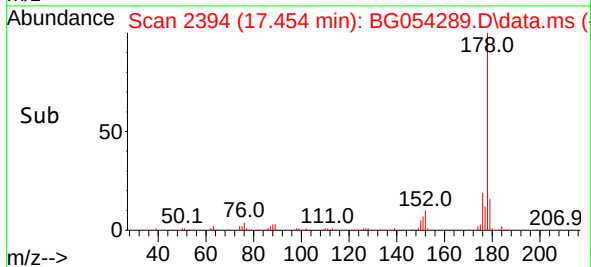
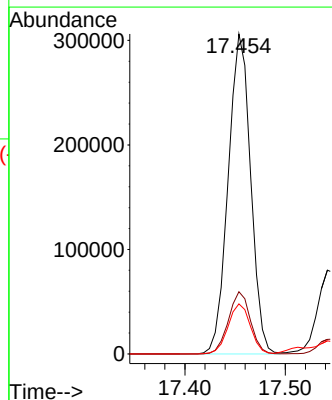
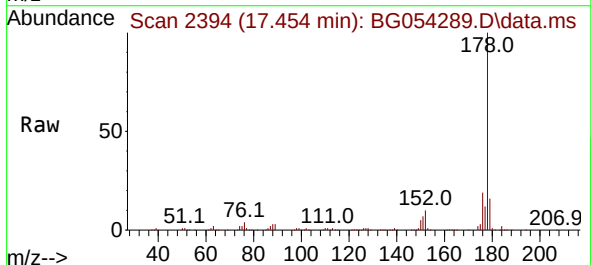
Instrument :
BNA_G
ClientSampleId :
PSC124035

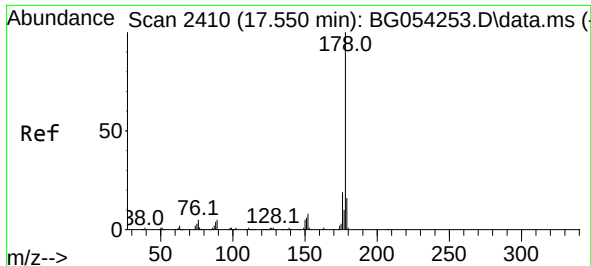
Tgt Ion:248 Resp: 7206
Ion Ratio Lower Upper
248 100
250 194.6 75.2 112.8#
141 333.7 50.0 75.0#



#71
Phenanthrene
Concen: 55.832 ng
RT: 17.454 min Scan# 2394
Delta R.T. -0.008 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

Tgt Ion:178 Resp: 475255
Ion Ratio Lower Upper
178 100
176 19.5 14.1 21.1
179 15.7 12.1 18.1

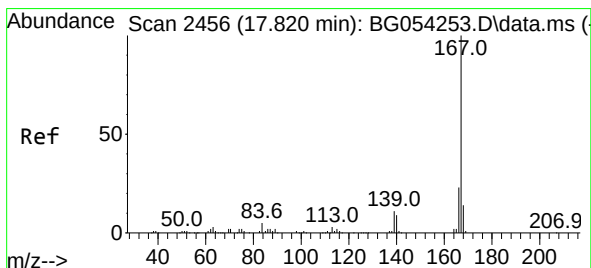
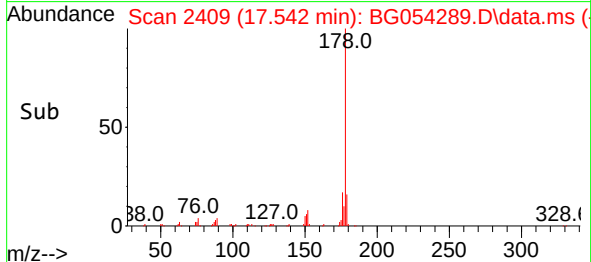
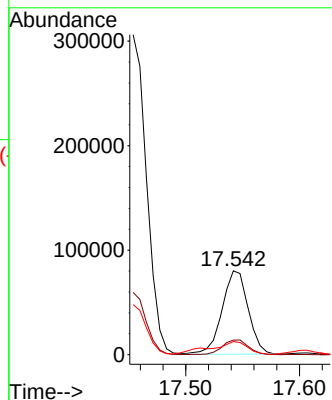
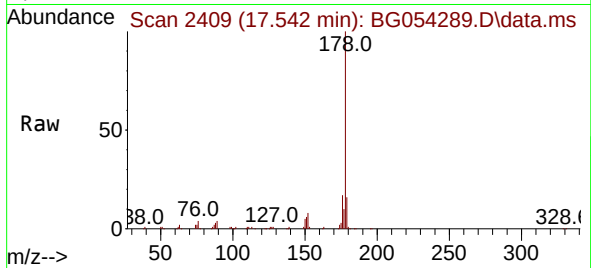




#72
 Anthracene
 Concen: 15.205 ng
 RT: 17.542 min Scan# 2410
 Delta R.T. -0.008 min
 Lab File: BG054289.D
 Acq: 14 Jul 2022 21:10

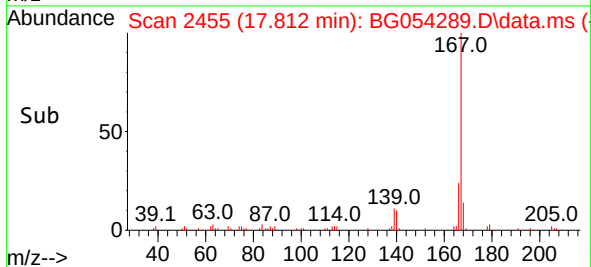
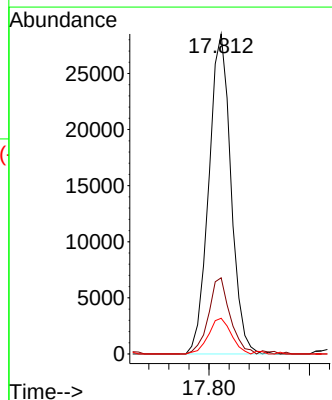
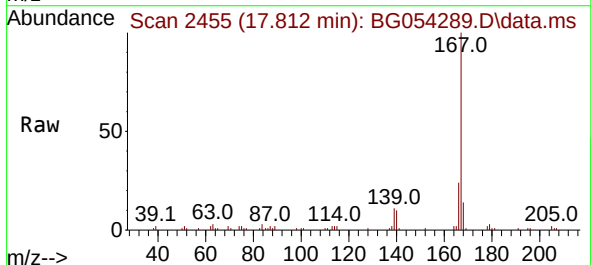
Instrument :
 BNA_G
 ClientSampleId :
 PSC124035

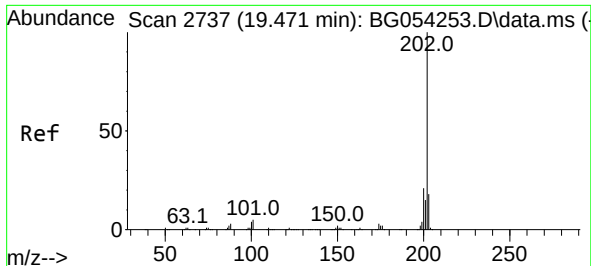
Tgt Ion:178 Resp: 126752
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.2 22.8
 179 15.6 13.0 19.4



#73
 Carbazole
 Concen: 6.175 ng
 RT: 17.812 min Scan# 2455
 Delta R.T. -0.008 min
 Lab File: BG054289.D
 Acq: 14 Jul 2022 21:10

Tgt Ion:167 Resp: 43595
 Ion Ratio Lower Upper
 167 100
 166 23.8 18.2 27.2
 139 11.1 10.1 15.1

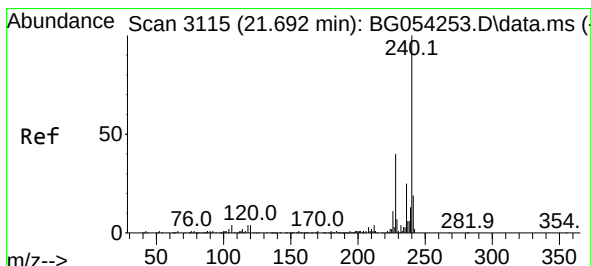
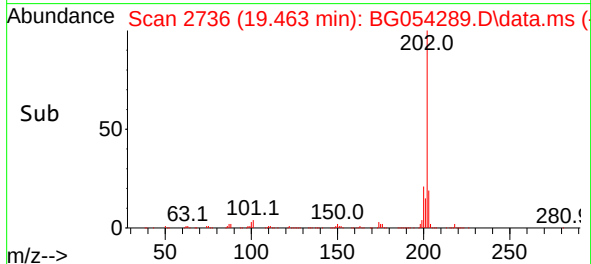
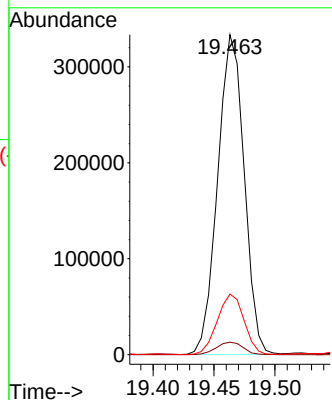
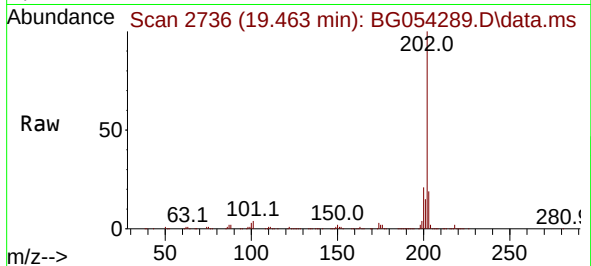




#75
Fluoranthene
Concen: 43.581 ng
RT: 19.463 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

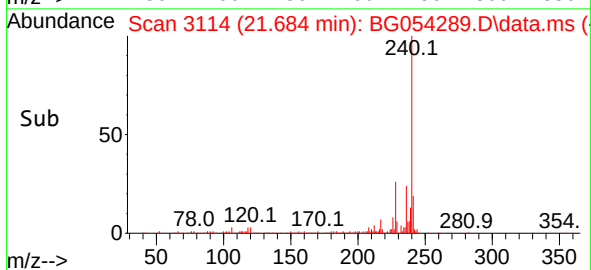
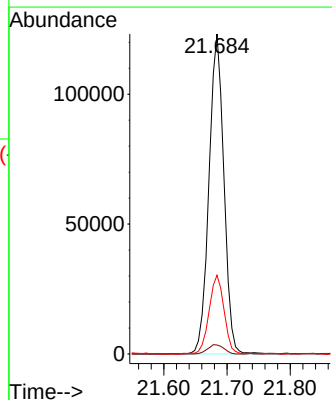
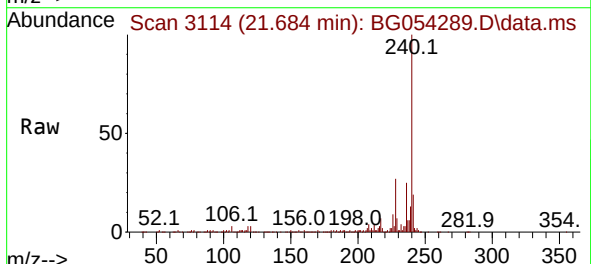
Instrument :
BNA_G
ClientSampleId :
PSC124035

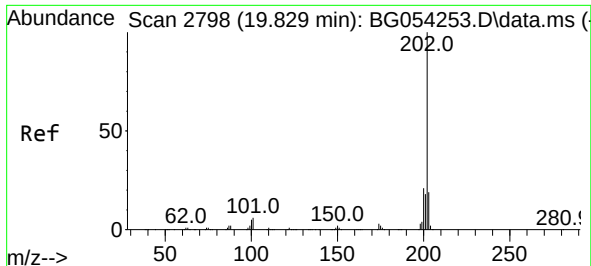
Tgt Ion:202 Resp: 504504
Ion Ratio Lower Upper
202 100
101 3.9 0.0 26.9
203 18.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.684 min Scan# 3114
Delta R.T. -0.008 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

Tgt Ion:240 Resp: 201787
Ion Ratio Lower Upper
240 100
120 2.8 4.6 7.0#
236 24.6 20.2 30.4

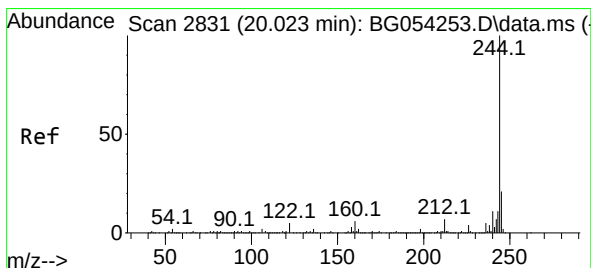
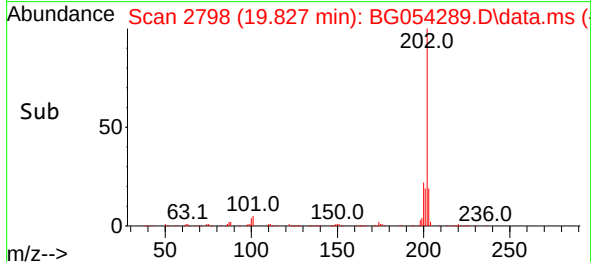
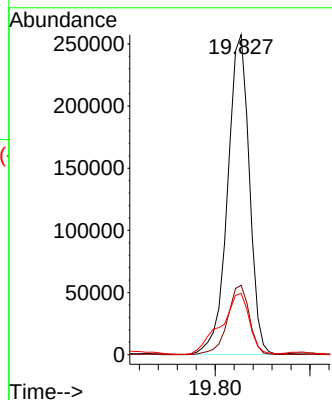
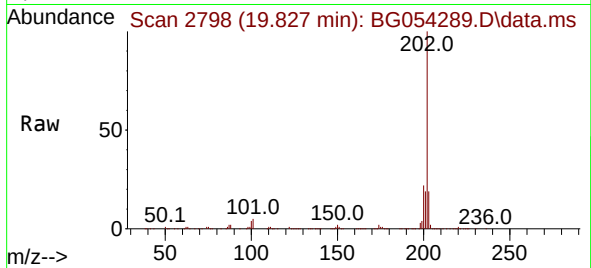




#78
 Pyrene
 Concen: 35.180 ng
 RT: 19.827 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG054289.D
 Acq: 14 Jul 2022 21:10

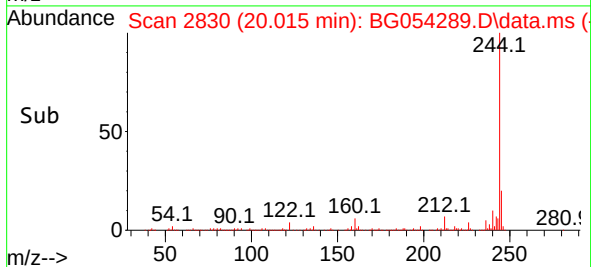
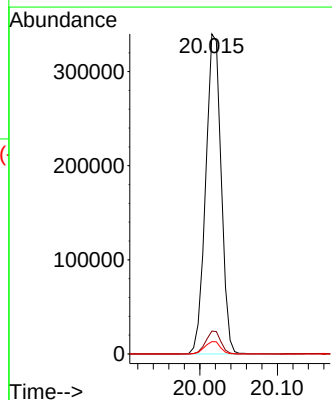
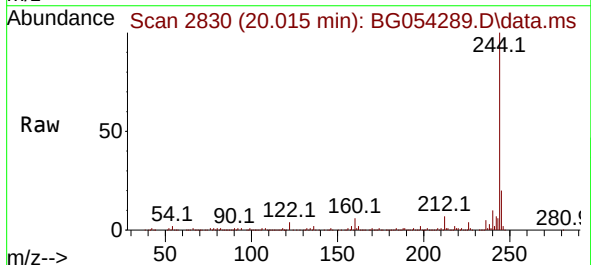
Instrument :
 BNA_G
 ClientSampleId :
 PSC124035

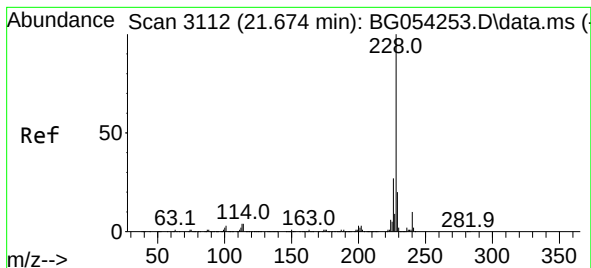
Tgt Ion:202 Resp: 408554
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.6 24.8
 203 19.2 14.6 21.8



#79
 Terphenyl-d14
 Concen: 47.890 ng
 RT: 20.015 min Scan# 2830
 Delta R.T. -0.008 min
 Lab File: BG054289.D
 Acq: 14 Jul 2022 21:10

Tgt Ion:244 Resp: 469928
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 3.9 5.0 7.4#





#81

Benzo(a)anthracene

Concen: 22.954 ng

RT: 21.666 min Scan# 3111

Delta R.T. -0.008 min

Lab File: BG054289.D

Acq: 14 Jul 2022 21:10

Instrument :

BNA_G

ClientSampleId :

PSC124035

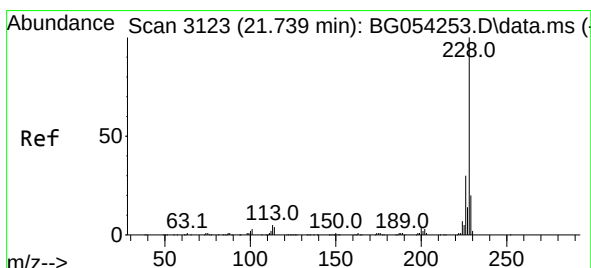
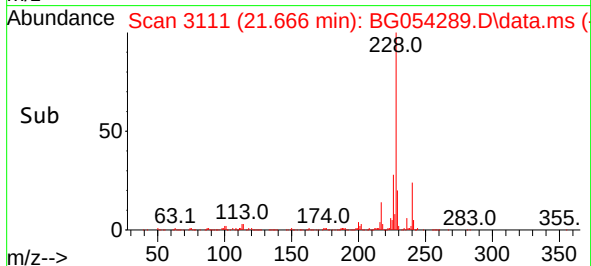
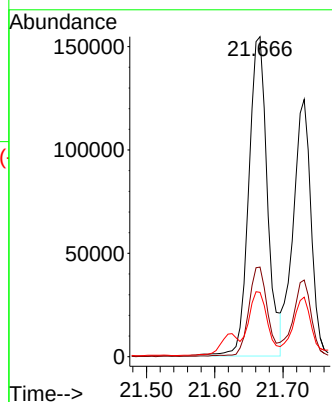
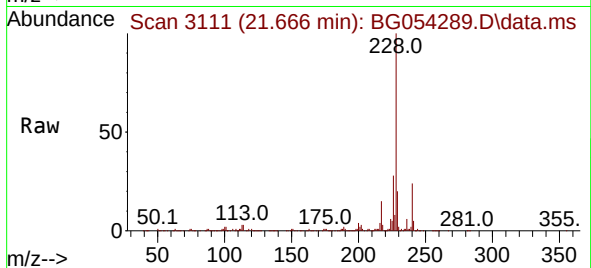
Tgt Ion:228 Resp: 293004

Ion Ratio Lower Upper

228 100

226 28.0 21.6 32.4

229 20.1 16.2 24.2



#83

Chrysene

Concen: 18.692 ng

RT: 21.731 min Scan# 3122

Delta R.T. -0.008 min

Lab File: BG054289.D

Acq: 14 Jul 2022 21:10

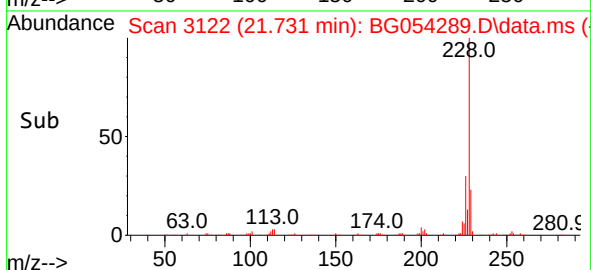
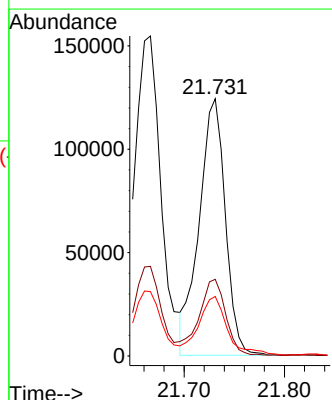
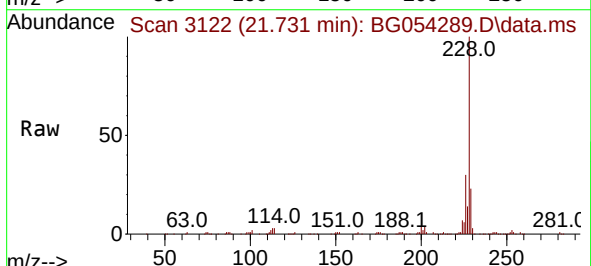
Tgt Ion:228 Resp: 225662

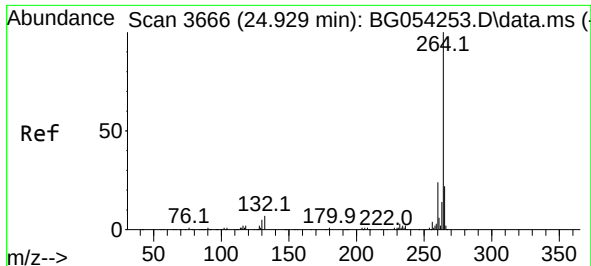
Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

229 23.2 15.5 23.3

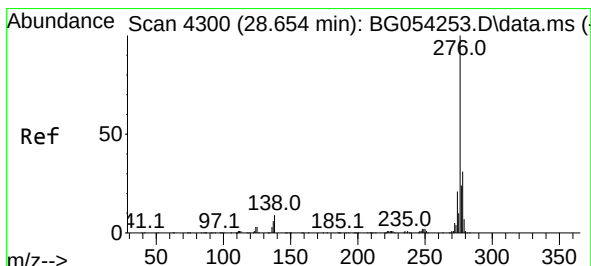
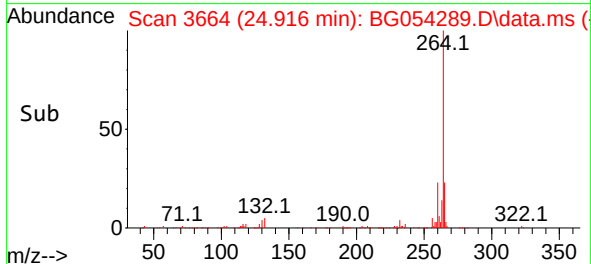
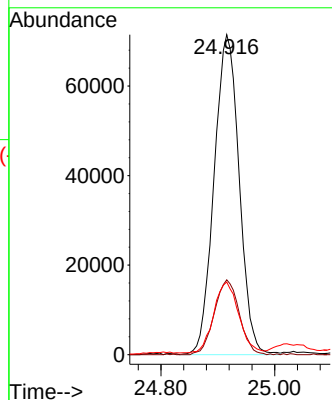
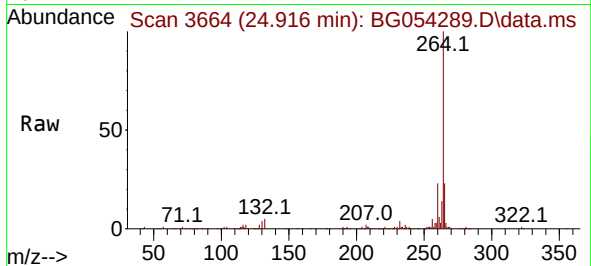




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.916 min Scan# 30
Delta R.T. -0.013 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

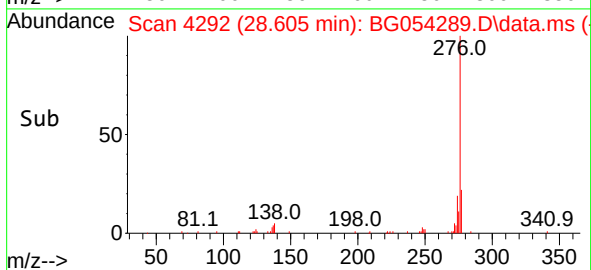
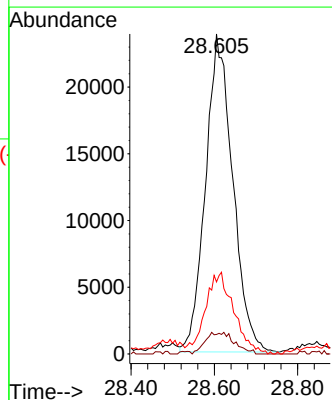
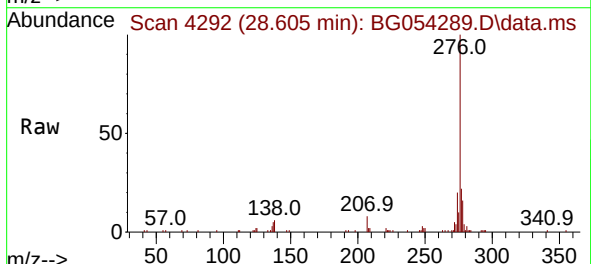
Instrument :
BNA_G
ClientSampleId :
PSC124035

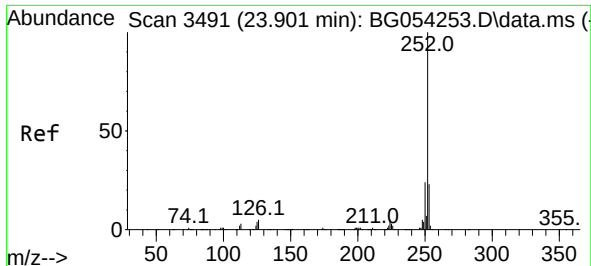
Tgt Ion:264 Resp: 218765
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 22.7 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.561 ng
RT: 28.605 min Scan# 4292
Delta R.T. -0.049 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

Tgt Ion:276 Resp: 107976
Ion Ratio Lower Upper
276 100
138 0.0 5.0 7.4#
277 27.1 20.3 30.5

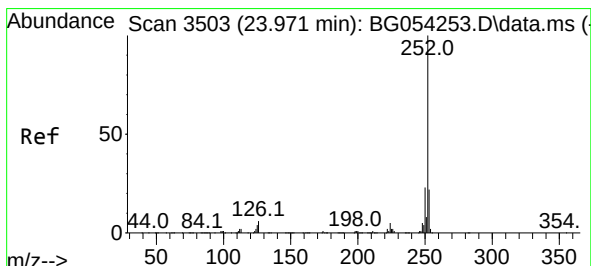
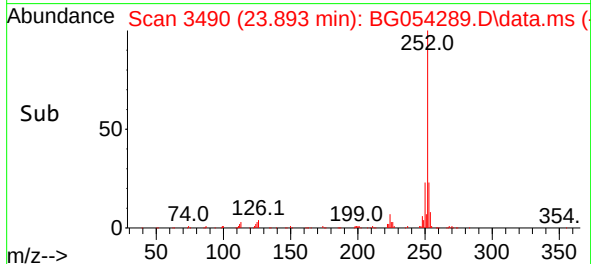
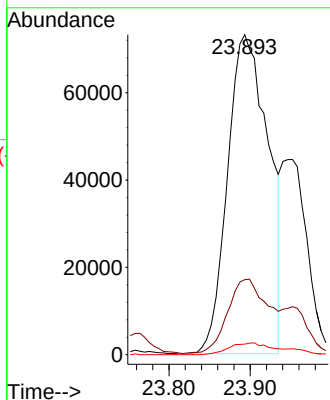
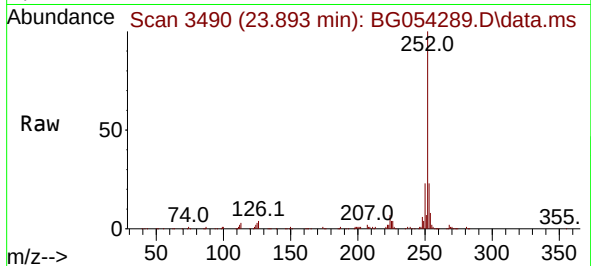




#88
Benzo(b)fluoranthene
Concen: 19.661 ng
RT: 23.893 min Scan# 3490
Delta R.T. -0.008 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

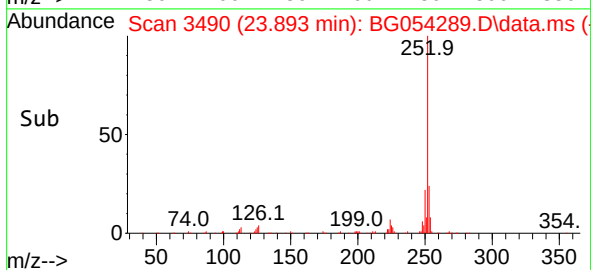
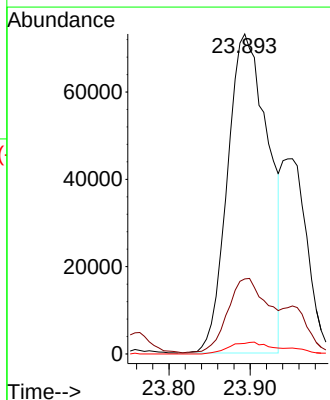
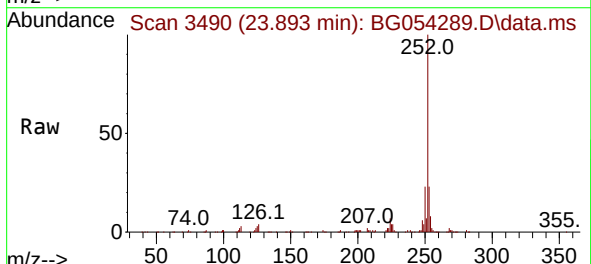
Instrument :
BNA_G
ClientSampleId :
PSC124035

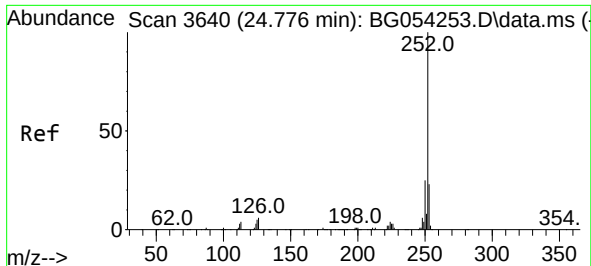
Tgt Ion:252 Resp: 255058
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 3.3 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 19.819 ng
RT: 23.893 min Scan# 3490
Delta R.T. -0.078 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

Tgt Ion:252 Resp: 255058
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 3.3 4.8 7.2#

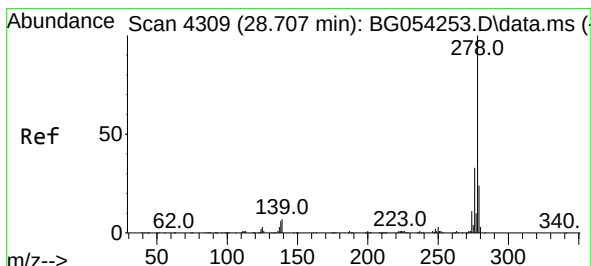
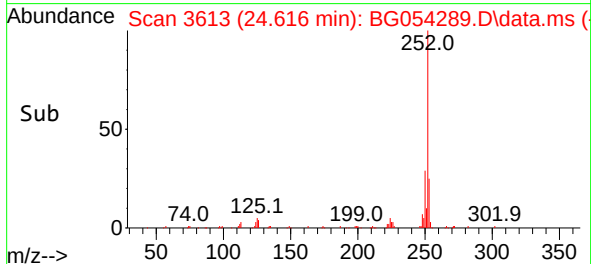
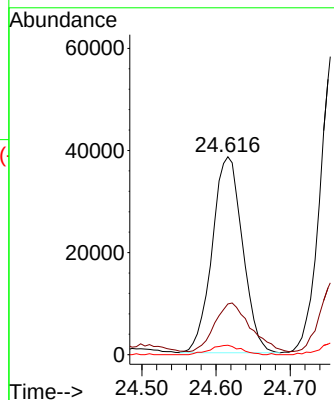
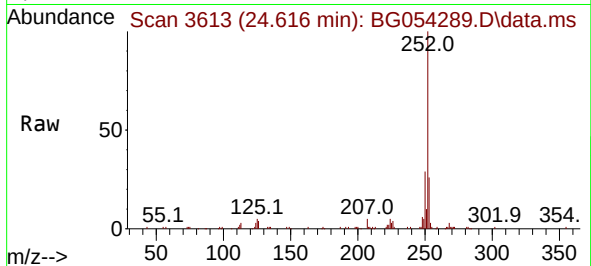




#90
Benzo(a)pyrene
Concen: 9.831 ng
RT: 24.616 min Scan# 30
Delta R.T. -0.161 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

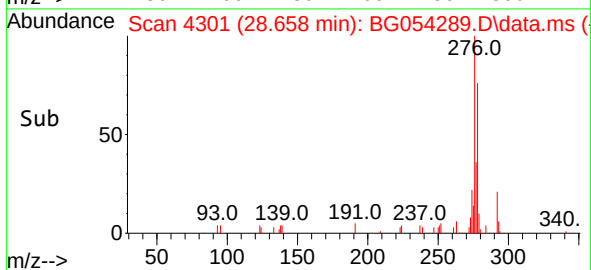
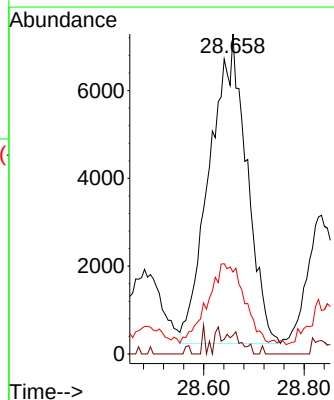
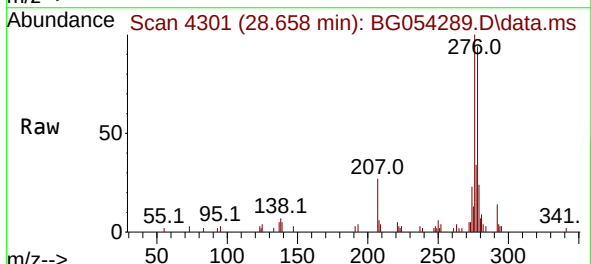
Instrument :
BNA_G
ClientSampleId :
PSC124035

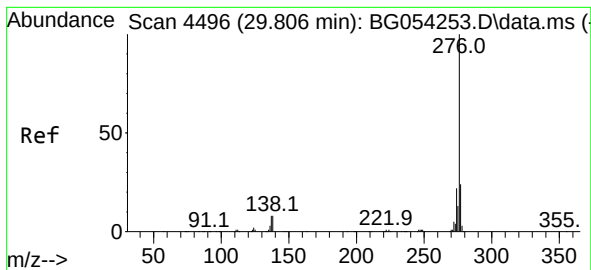
Tgt Ion:252 Resp: 109124
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.8
125 4.8 4.3 6.5



#91
Dibenzo(a,h)anthracene
Concen: 2.675 ng
RT: 28.658 min Scan# 4301
Delta R.T. -0.049 min
Lab File: BG054289.D
Acq: 14 Jul 2022 21:10

Tgt Ion:278 Resp: 36071
Ion Ratio Lower Upper
278 100
139 5.8 7.2 10.8#
279 25.6 18.6 27.8





#92

Benzo(g,h,i)perylene

Concen: 6.701 ng

RT: 29.763 min Scan# 44

Delta R.T. -0.043 min

Lab File: BG054289.D

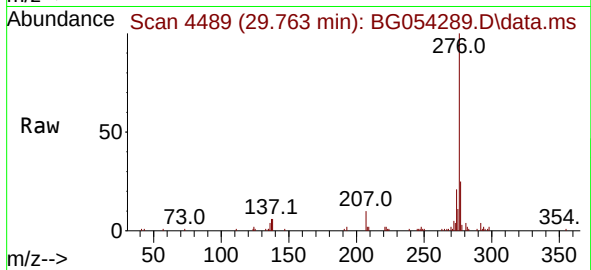
Acq: 14 Jul 2022 21:10

Instrument :

BNA_G

ClientSampleId :

PSC124035



Tgt Ion:276 Resp: 90116

Ion Ratio Lower Upper

276 100

277 24.7 17.3 25.9

138 6.4 9.6 14.4#

