

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
 Data File : BG053299.D
 Acq On : 23 Apr 2022 18:55
 Operator : CG/JU
 Sample : N2476-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PAT-01-041922

Quant Time: Apr 24 02:50:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 01:13:30 2022
 Response via : Initial Calibration

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

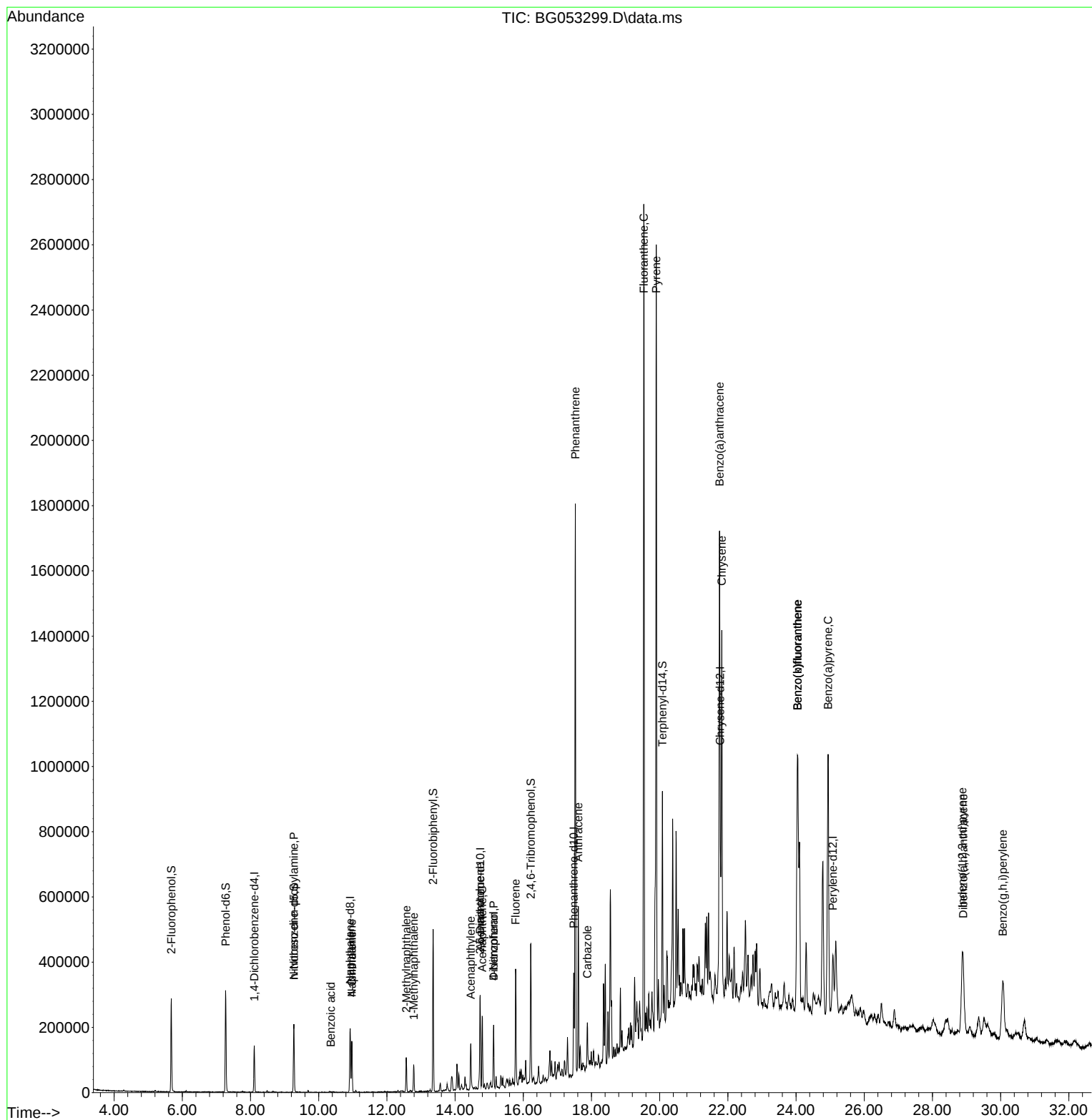
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	40104	20.000	ng	0.00
21) Naphthalene-d8	10.924	136	158710	20.000	ng	0.00
39) Acenaphthene-d10	14.737	164	106267	20.000	ng	0.00
64) Phenanthrene-d10	17.480	188	207201	20.000	ng	0.00
76) Chrysene-d12	21.774	240	189142	20.000	ng	0.00
86) Perylene-d12	25.081	264	197226	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.678	112	121292	51.844	ng	0.00
7) Phenol-d6	7.270	99	182147	50.487	ng	0.00
23) Nitrobenzene-d5	9.273	82	135045	34.549	ng	0.00
42) 2,4,6-Tribromophenol	16.223	330	76275	45.115	ng	0.00
45) 2-Fluorobiphenyl	13.356	172	262980	34.124	ng	0.00
79) Terphenyl-d14	20.082	244	324491	28.975	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.273	70	18433	6.979	ng	# 76
31) Naphthalene	10.971	128	131740	15.558	ng	98
32) Benzoic acid	10.354	122	62	3.668	ng	# 1
33) 4-Chloroaniline	10.971	127	17061	4.705	ng	# 37
37) 2-Methylnaphthalene	12.569	142	48162	7.687	ng	95
38) 1-Methylnaphthalene	12.786	142	37385	6.113	ng	# 94
49) Acenaphthylene	14.461	152	112929	11.816	ng	96
51) 2,6-Dinitrotoluene	14.731	165	15901	8.967	ng	# 26
52) Acenaphthene	14.795	154	82505	12.729	ng	96
55) Dibenzofuran	15.130	168	110663	10.904	ng	96
56) 4-Nitrophenol	15.130	139	43521	30.435	ng	# 3
58) Fluorene	15.776	166	168146	20.513	ng	99
71) Phenanthrene	17.527	178	1132632	100.076	ng	100
72) Anthracene	17.615	178	338461	30.186	ng	99
73) Carbazole	17.879	167	88397	8.110	ng	100
75) Fluoranthene	19.536	202	1741066	120.012	ng	95
78) Pyrene	19.900	202	1607813	119.356	ng	97
81) Benzo(a)anthracene	21.757	228	911559	70.488	ng	93
83) Chrysene	21.821	228	838204	69.839	ng	94
87) Indeno(1,2,3-cd)pyrene	28.876	276	518286	35.371	ng	98
88) Benzo(b)fluoranthene	24.042	252	1184608	95.197	ng	95
89) Benzo(k)fluoranthene	24.042	252	1184608	96.861	ng	95
90) Benzo(a)pyrene	24.940	252	944105	89.058	ng	97
91) Dibenzo(a,h)anthracene	28.906	278	120661	10.005	ng	# 84
92) Benzo(g,h,i)perylene	30.063	276	448814	37.757	ng	99

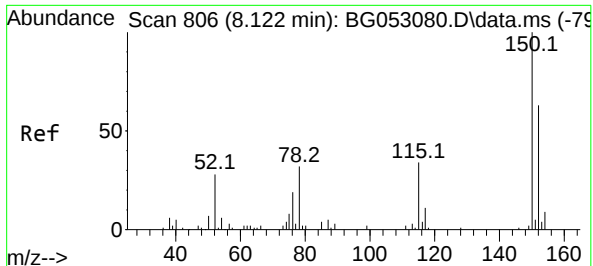
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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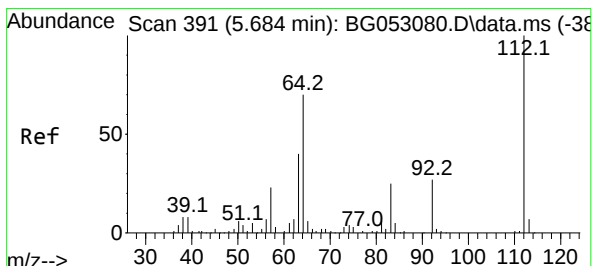
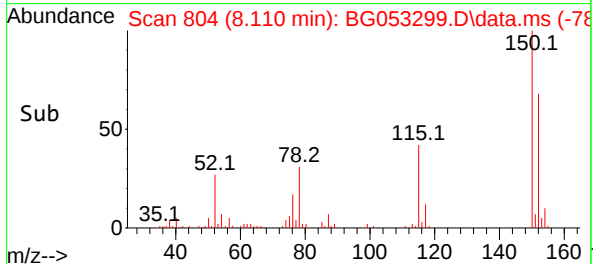
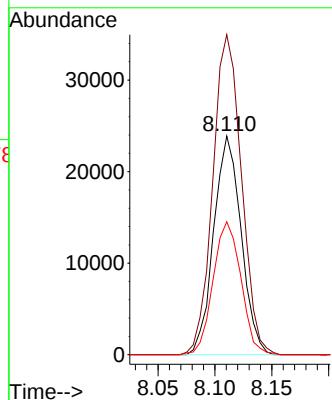
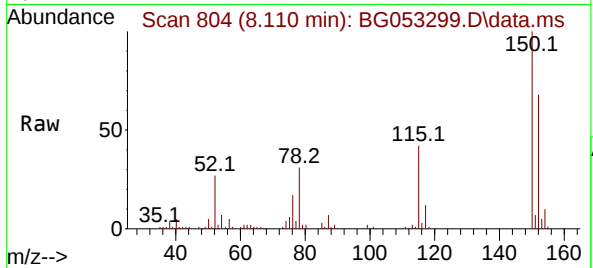




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 806
Delta R.T. -0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

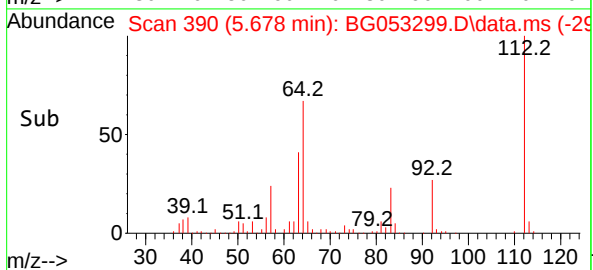
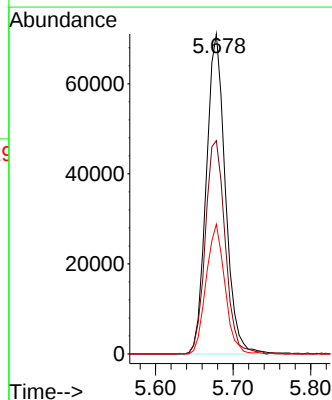
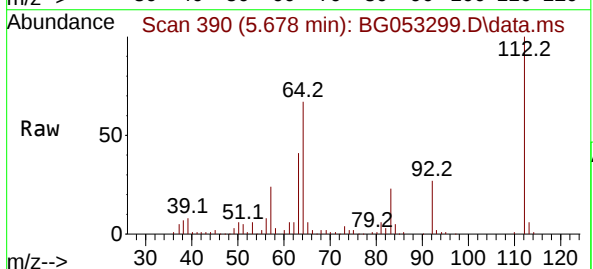
Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

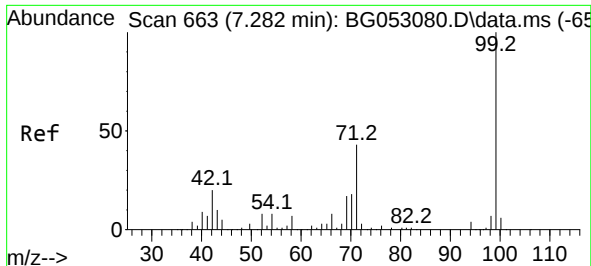
Tgt Ion:152 Resp: 40104
Ion Ratio Lower Upper
152 100
150 146.3 114.6 172.0
115 60.8 45.9 68.9



#5
2-Fluorophenol
Concen: 51.844 ng
RT: 5.678 min Scan# 390
Delta R.T. 0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:112 Resp: 121292
Ion Ratio Lower Upper
112 100
64 66.6 48.0 72.0
63 40.5 26.5 39.7#

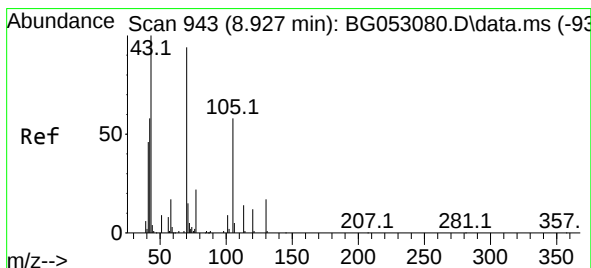
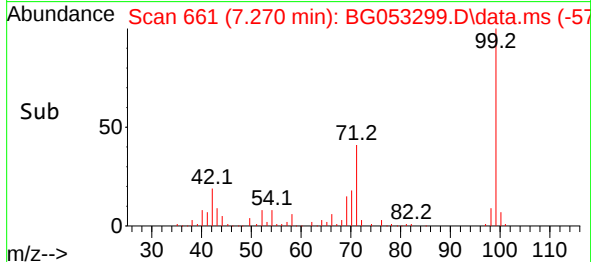
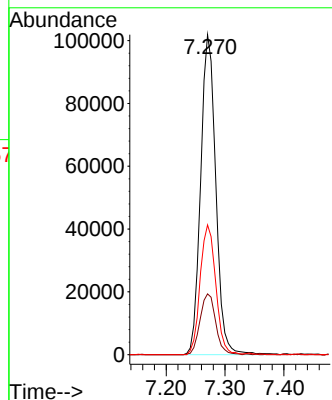
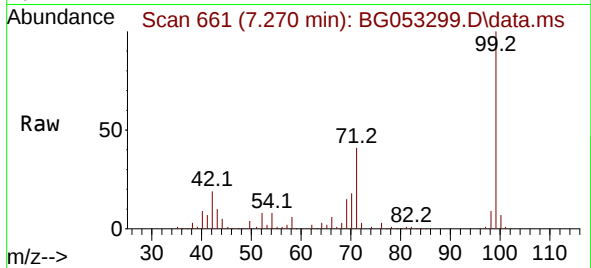




#7
Phenol-d6
Concen: 50.487 ng
RT: 7.270 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

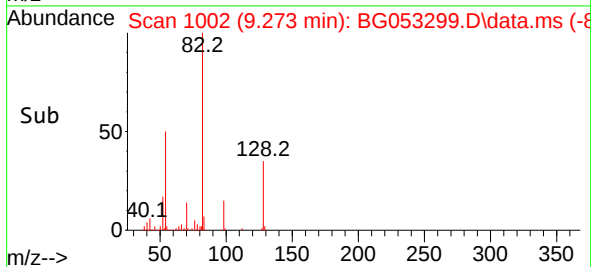
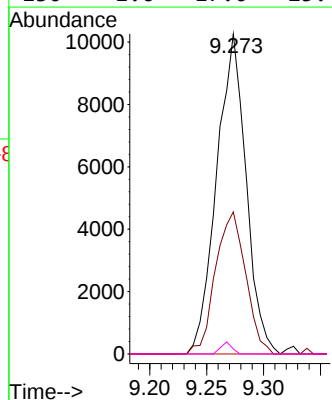
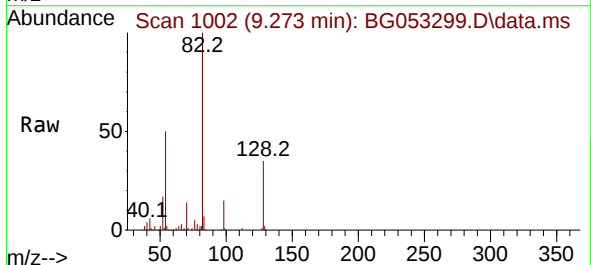
Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

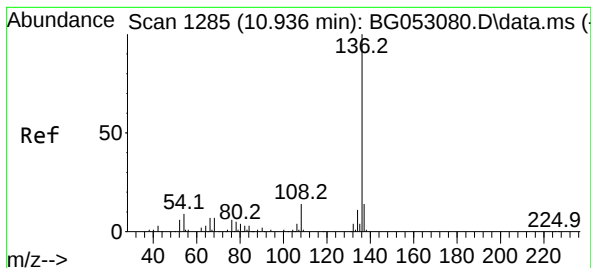
Tgt Ion: 99 Resp: 182147
Ion Ratio Lower Upper
99 100
42 19.0 14.7 22.1
71 40.6 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 6.979 ng
RT: 9.273 min Scan# 1002
Delta R.T. 0.361 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion: 70 Resp: 18433
Ion Ratio Lower Upper
70 100
42 44.4 46.0 69.0#
101 0.0 6.2 9.4#
130 1.6 17.0 25.4#

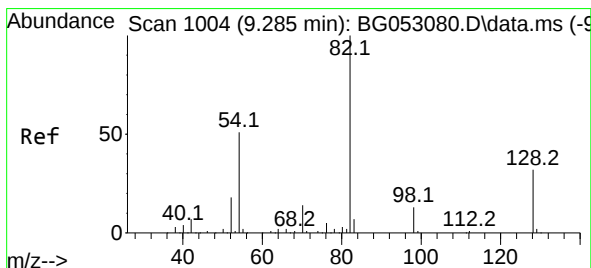
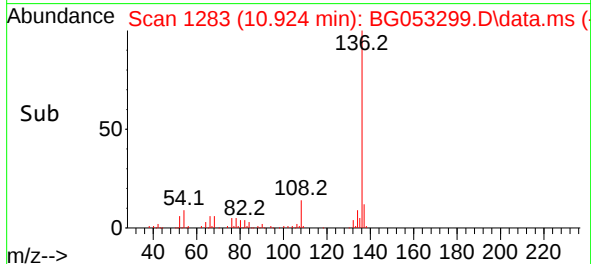
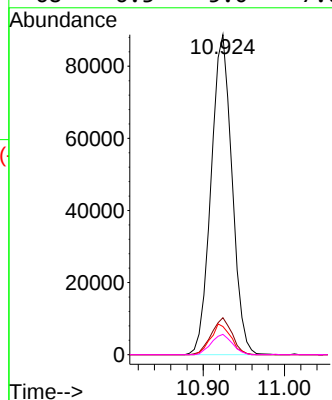
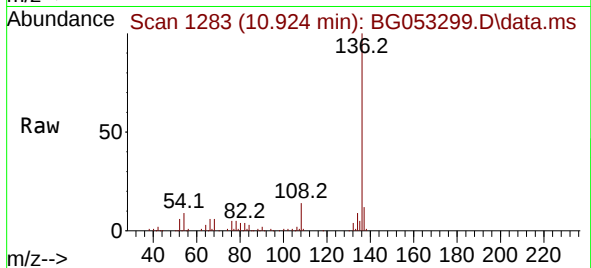




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.924 min Scan# 1002
Delta R.T. 0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

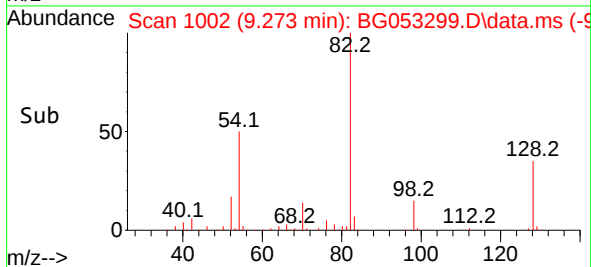
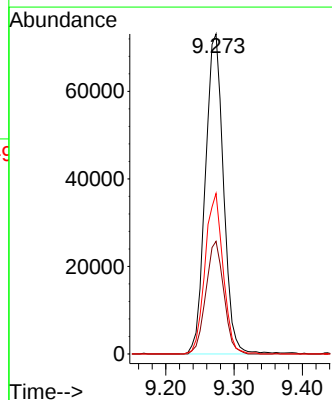
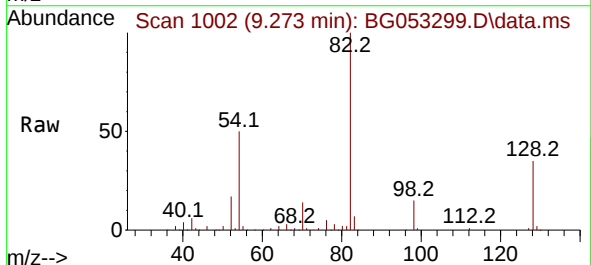
Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

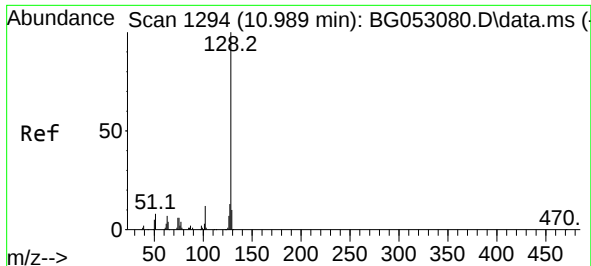
Tgt Ion:	136	Resp:	158710
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.2
54	8.8	6.4	9.6
68	6.3	5.0	7.6



#23
Nitrobenzene-d5
Concen: 34.549 ng
RT: 9.273 min Scan# 1002
Delta R.T. -0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:	82	Resp:	135045
Ion	Ratio	Lower	Upper
82	100		
128	35.2	31.3	46.9
54	50.1	37.8	56.8

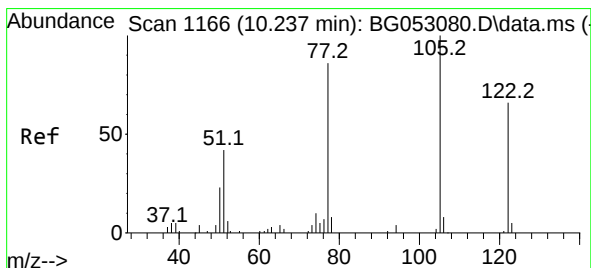
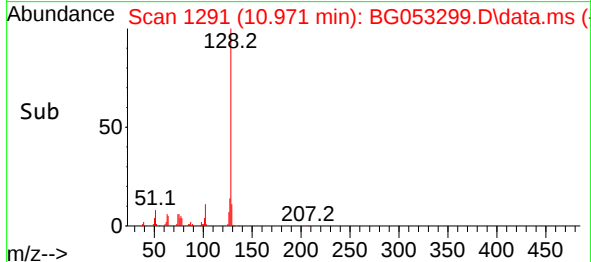
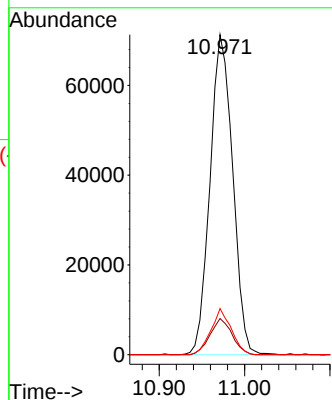
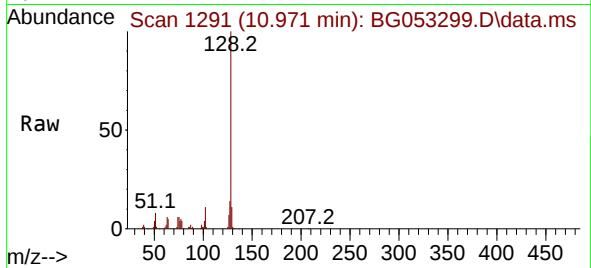




#31
Naphthalene
Concen: 15.558 ng
RT: 10.971 min Scan# 1186
Delta R.T. -0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

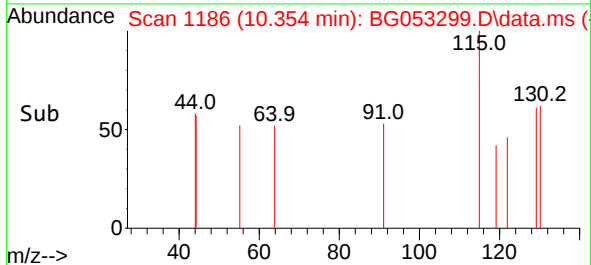
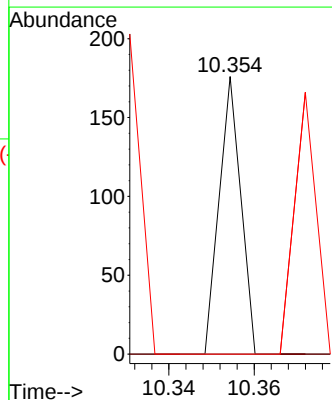
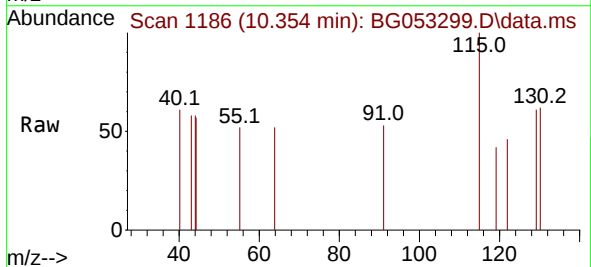
Instrument :
BNA_G
ClientSampleId :
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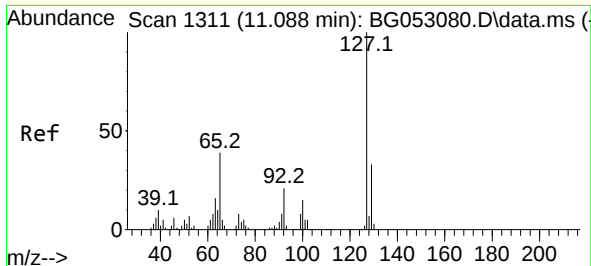
Tgt Ion:128 Resp: 131740
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 14.4 10.5 15.7



#32
Benzoic acid
Concen: 3.668 ng
RT: 10.354 min Scan# 1186
Delta R.T. 0.120 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 0.0 112.8 152.8#
77 0.0 78.4 118.4#

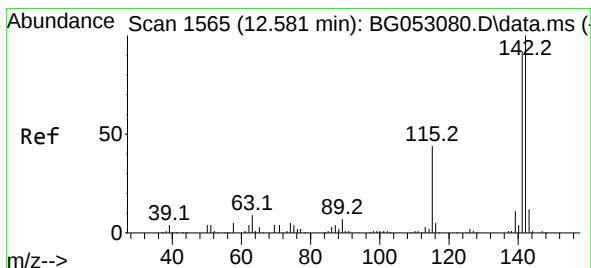
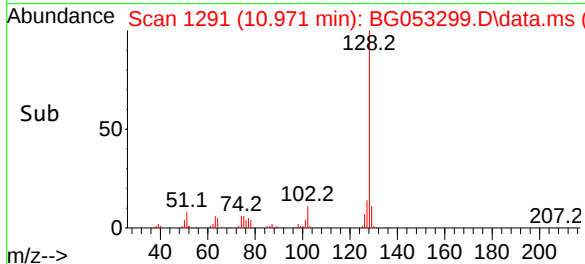
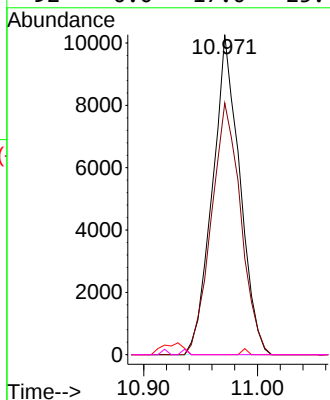
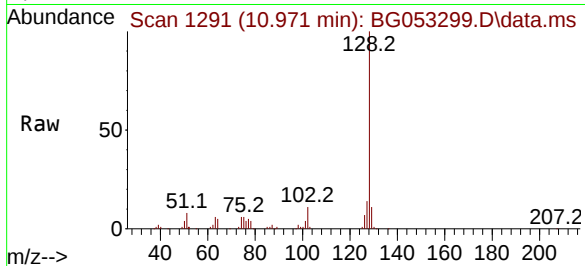




#33
4-Chloroaniline
Concen: 4.705 ng
RT: 10.971 min Scan# 11
Delta R.T. -0.103 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

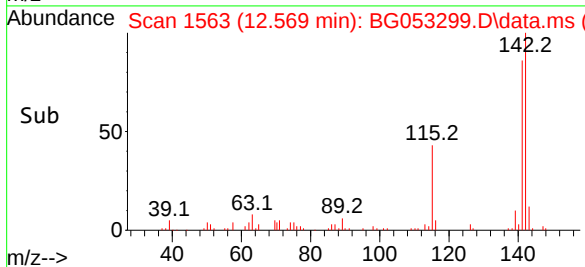
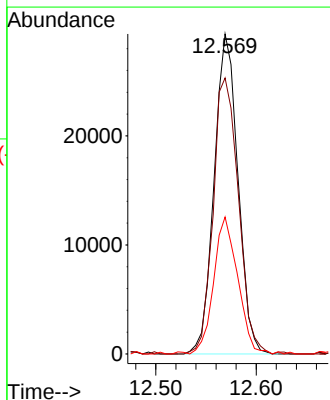
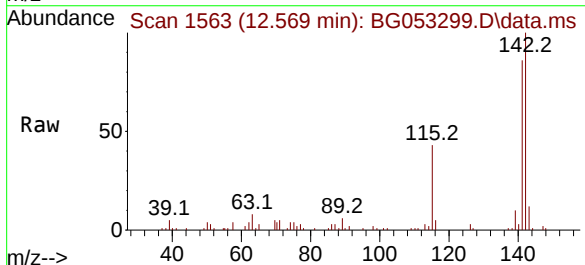
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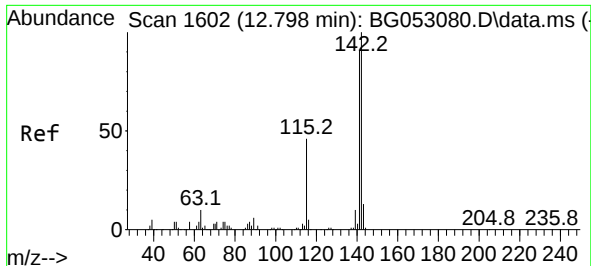
Tgt Ion:	127	Resp:	17061
Ion	Ratio	Lower	Upper
127	100		
129	78.7	27.6	41.4#
65	0.0	28.2	42.4#
92	0.0	17.0	25.4#



#37
2-Methylnaphthalene
Concen: 7.687 ng
RT: 12.569 min Scan# 1563
Delta R.T. -0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:	142	Resp:	48162
Ion	Ratio	Lower	Upper
142	100		
141	86.3	71.3	106.9
115	42.8	29.5	44.3

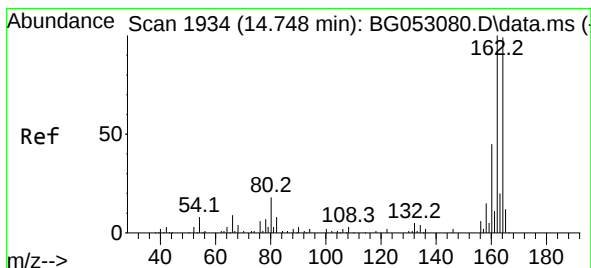
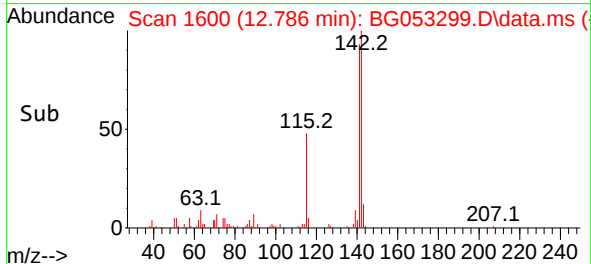
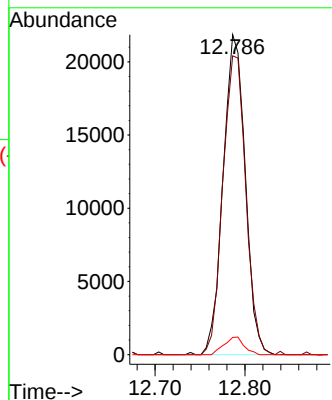
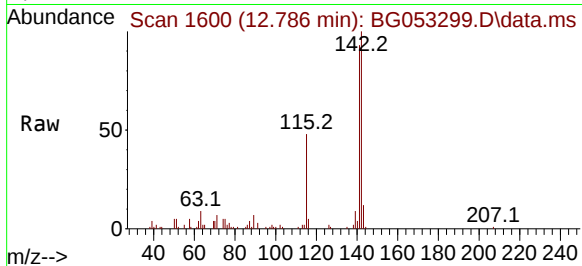




#38
1-Methylnaphthalene
Concen: 6.113 ng
RT: 12.786 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

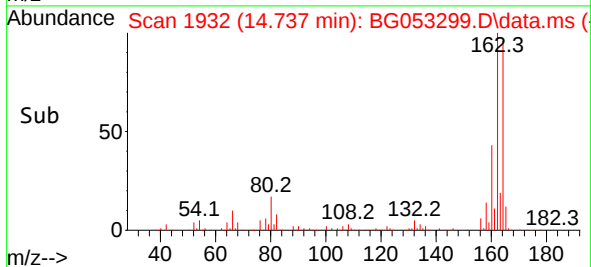
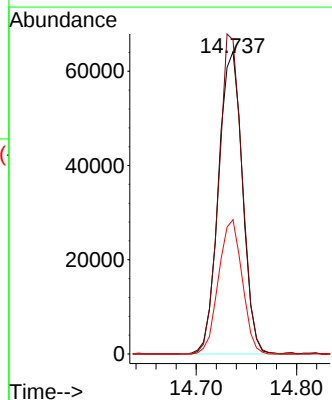
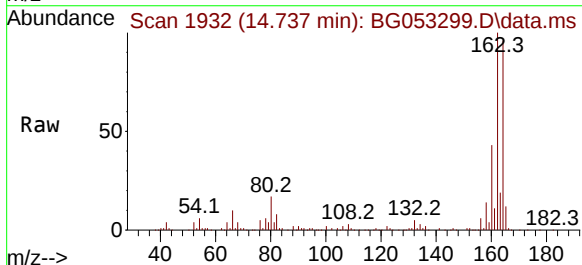
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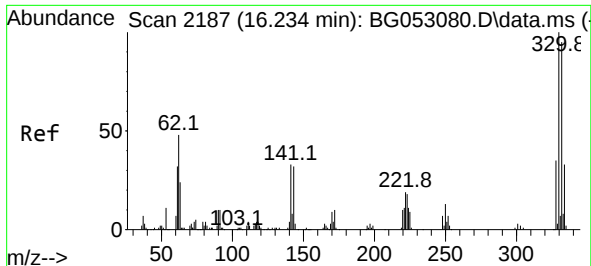
Tgt Ion:142 Resp: 37385
Ion Ratio Lower Upper
142 100
141 93.4 70.5 105.7
116 5.4 3.1 4.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.737 min Scan# 1932
Delta R.T. 0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:164 Resp: 106267
Ion Ratio Lower Upper
164 100
162 103.9 80.0 120.0
160 44.4 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 45.115 ng

RT: 16.223 min Scan# 2187

Delta R.T. -0.003 min

Lab File: BG053299.D

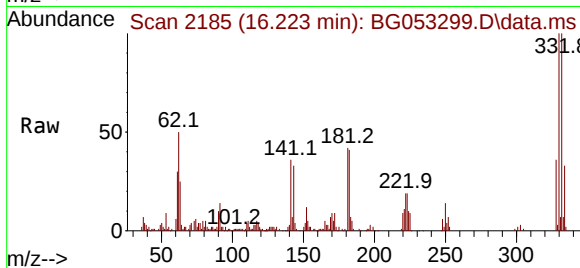
Acq: 23 Apr 2022 18:55

Instrument :

BNA_G

ClientSampleId :

PAT-01-041922



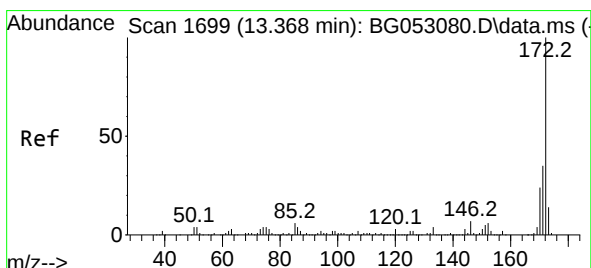
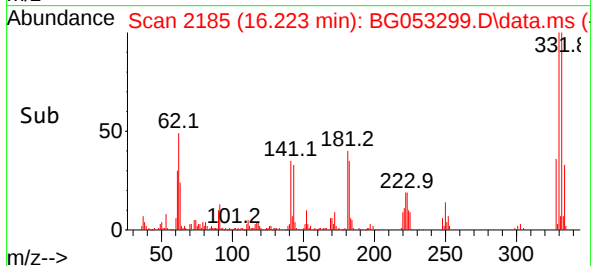
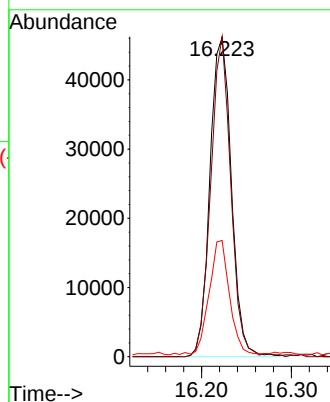
Tgt Ion:330 Resp: 76275

Ion Ratio Lower Upper

330 100

332 93.9 75.8 113.6

141 34.2 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 34.124 ng

RT: 13.356 min Scan# 1697

Delta R.T. -0.003 min

Lab File: BG053299.D

Acq: 23 Apr 2022 18:55

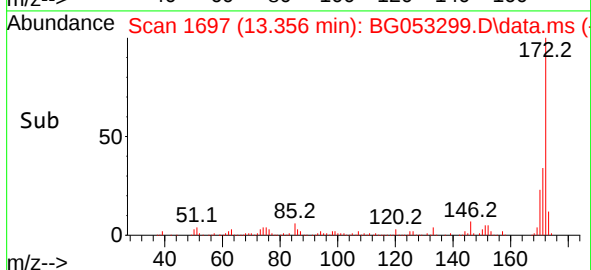
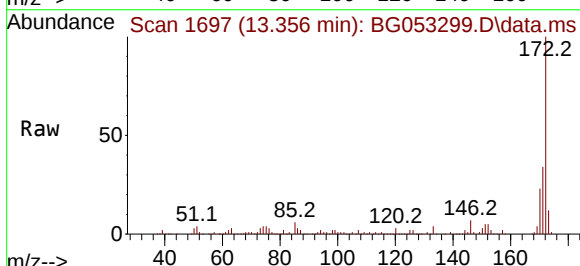
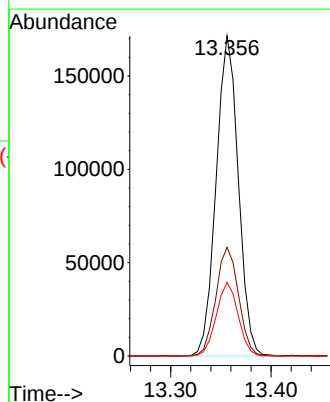
Tgt Ion:172 Resp: 262980

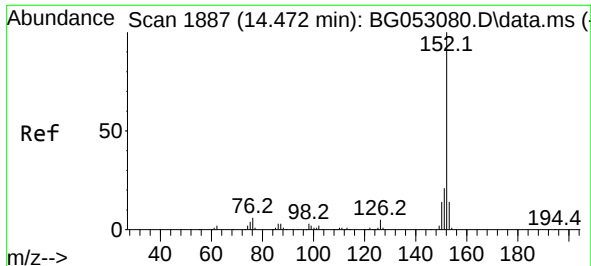
Ion Ratio Lower Upper

172 100

171 34.0 28.3 42.5

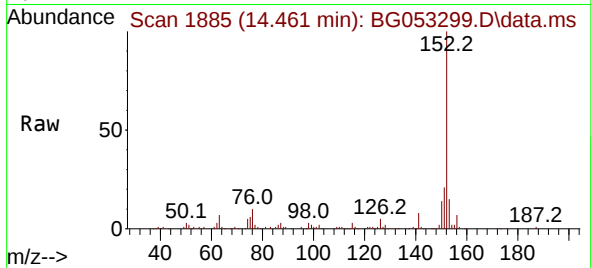
170 23.0 18.0 27.0



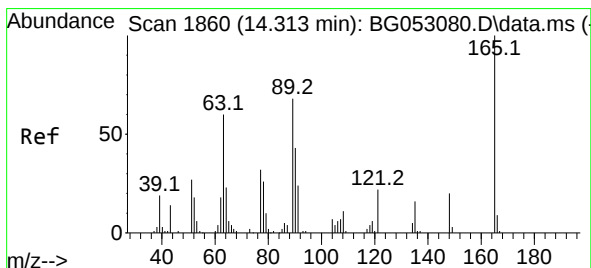
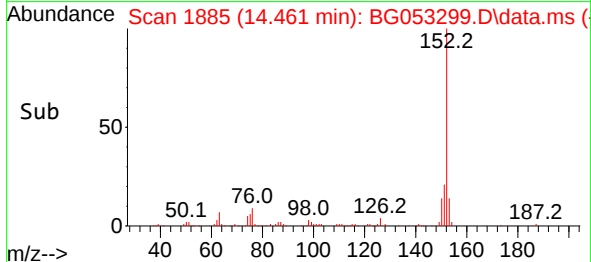
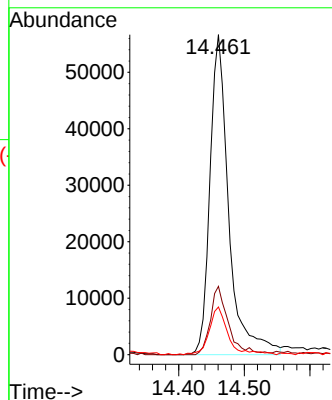


#49
Acenaphthylene
Concen: 11.816 ng
RT: 14.461 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

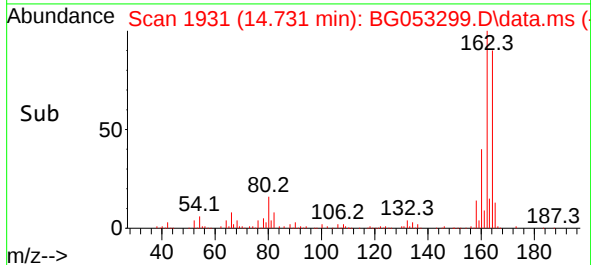
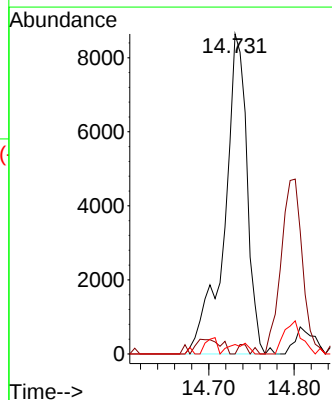
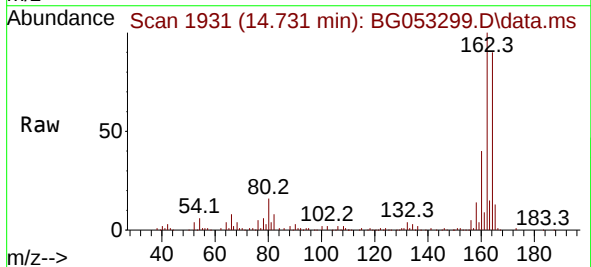


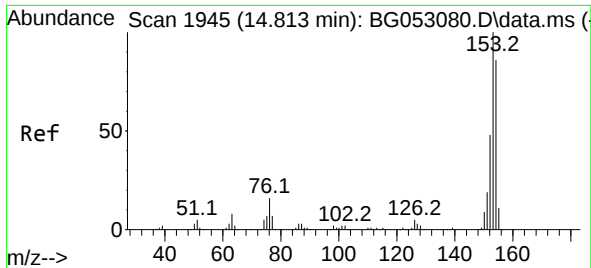
Tgt Ion:152 Resp: 112929
Ion Ratio Lower Upper
152 100
151 21.3 15.8 23.6
153 14.9 10.6 15.8



#51
2,6-Dinitrotoluene
Concen: 8.967 ng
RT: 14.731 min Scan# 1931
Delta R.T. 0.426 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:165 Resp: 15901
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 3.0 45.0 67.4#

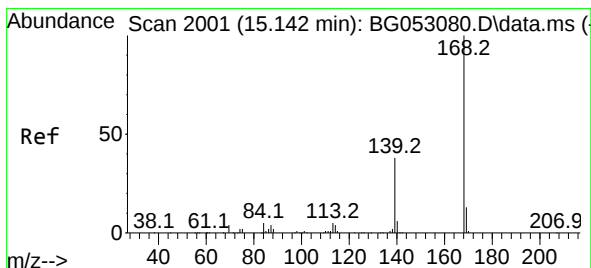
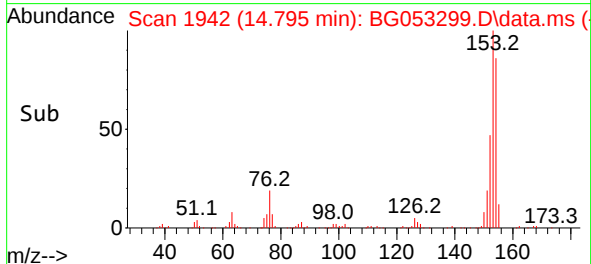
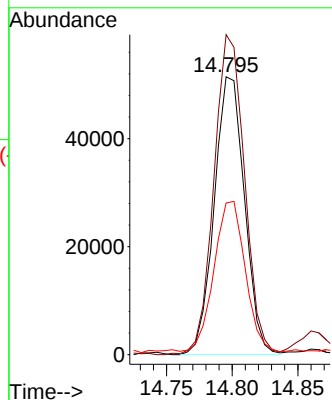
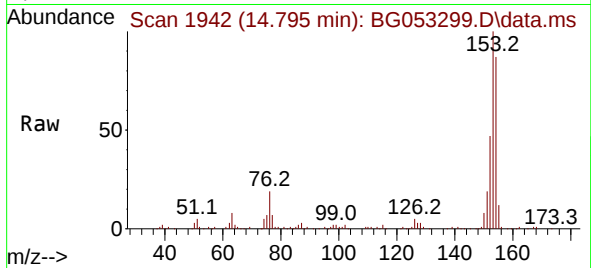




#52
Acenaphthene
Concen: 12.729 ng
RT: 14.795 min Scan# 1945
Delta R.T. -0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

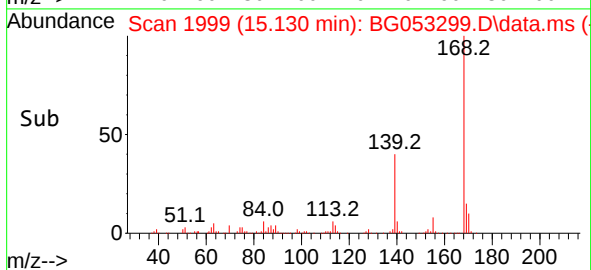
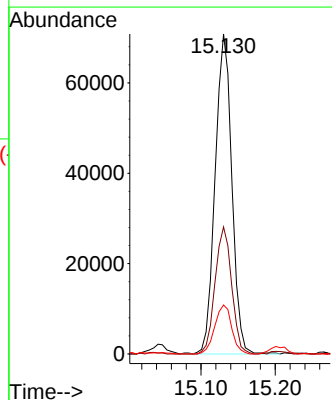
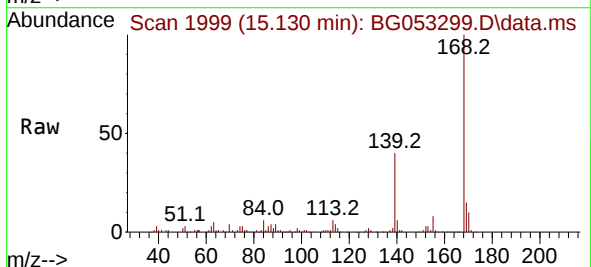
Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

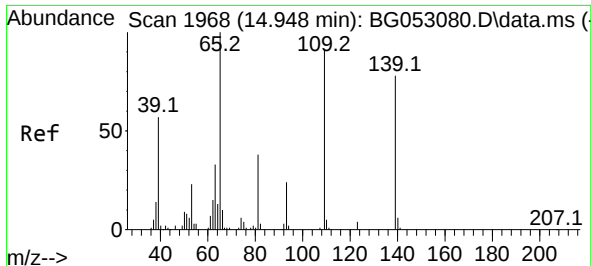
Tgt Ion:154 Resp: 82505
Ion Ratio Lower Upper
154 100
153 115.2 89.0 133.4
152 54.6 40.5 60.7



#55
Dibenzofuran
Concen: 10.904 ng
RT: 15.130 min Scan# 1999
Delta R.T. -0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:168 Resp: 110663
Ion Ratio Lower Upper
168 100
139 39.7 30.2 45.4
169 15.3 10.7 16.1

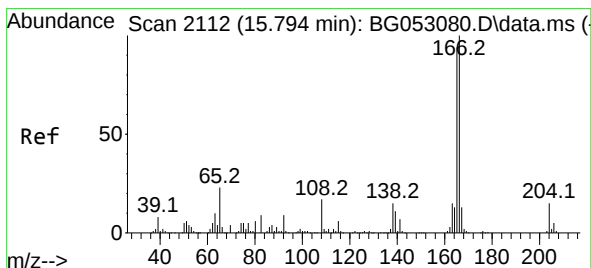
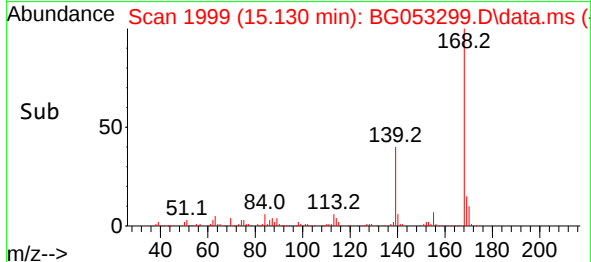
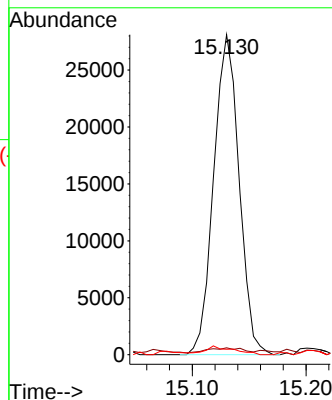
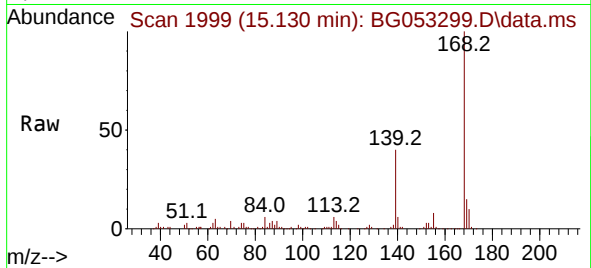




#56
4-Nitrophenol
Concen: 30.435 ng
RT: 15.130 min Scan# 11
Delta R.T. 0.185 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

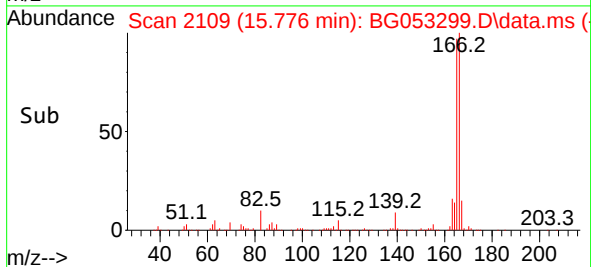
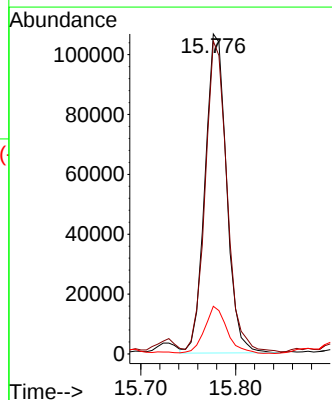
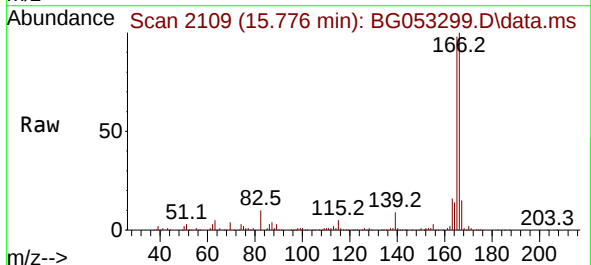
Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

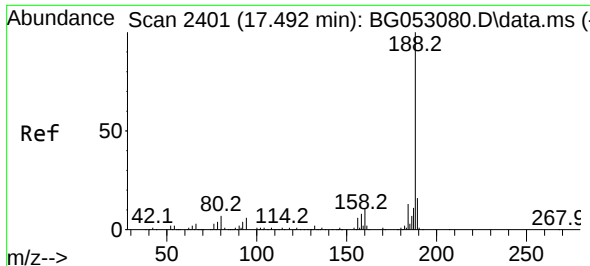
Tgt Ion:139 Resp: 43521
Ion Ratio Lower Upper
139 100
109 2.2 67.1 107.1#
65 1.7 88.2 128.2#



#58
Fluorene
Concen: 20.513 ng
RT: 15.776 min Scan# 2109
Delta R.T. -0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:166 Resp: 168146
Ion Ratio Lower Upper
166 100
165 97.7 78.6 117.8
167 14.9 10.9 16.3

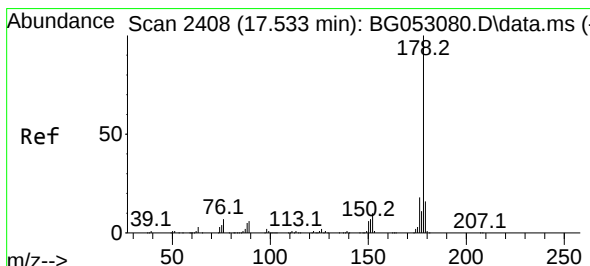
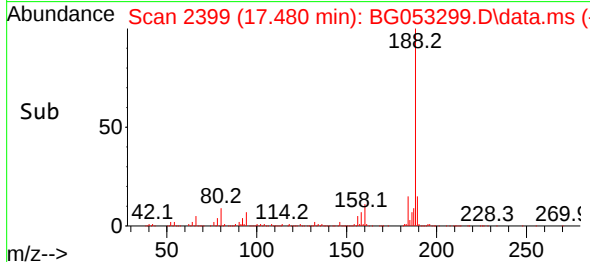
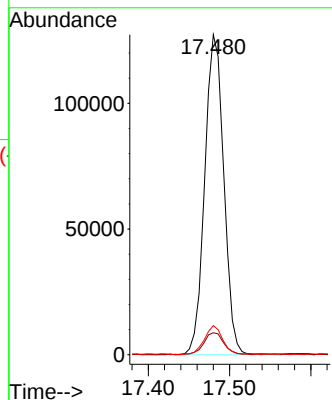
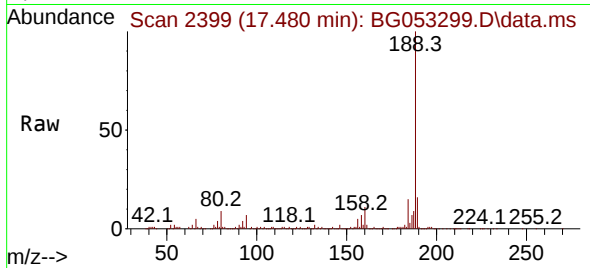




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.480 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

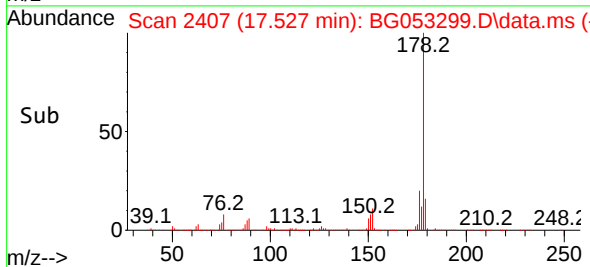
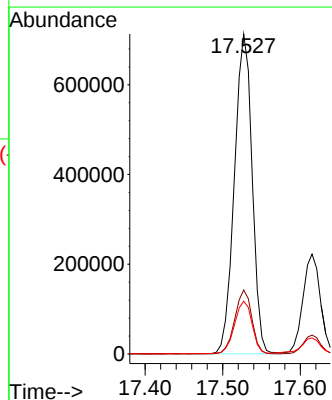
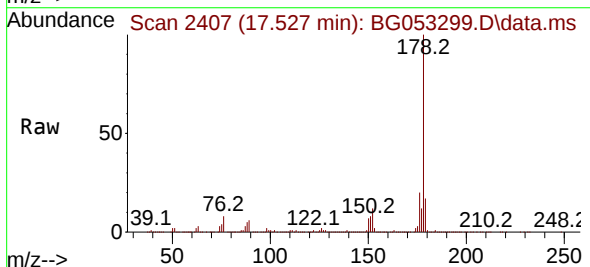
Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

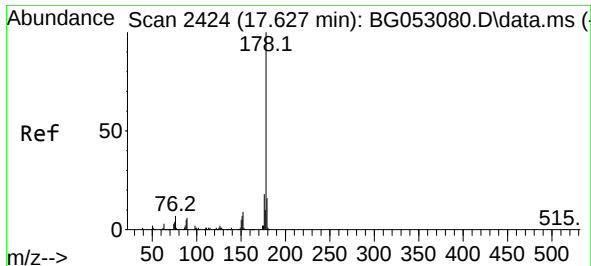
Tgt Ion:188 Resp: 207201
Ion Ratio Lower Upper
188 100
94 6.8 5.7 8.5
80 9.1 7.2 10.8



#71
Phenanthrene
Concen: 100.076 ng
RT: 17.527 min Scan# 2407
Delta R.T. 0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:178 Resp: 1132632
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 16.5 13.4 20.2

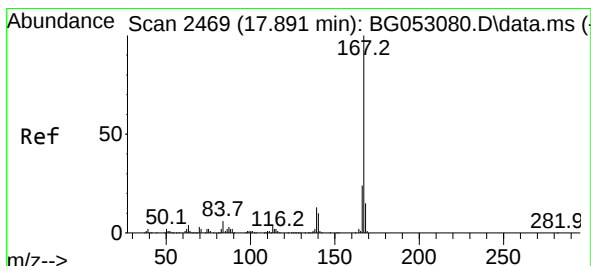
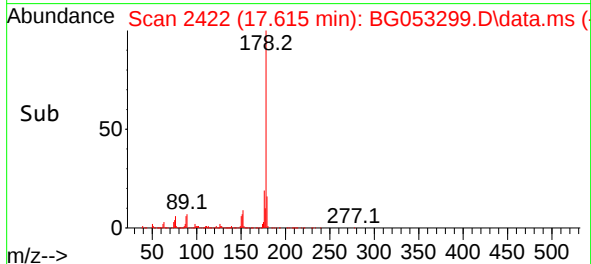
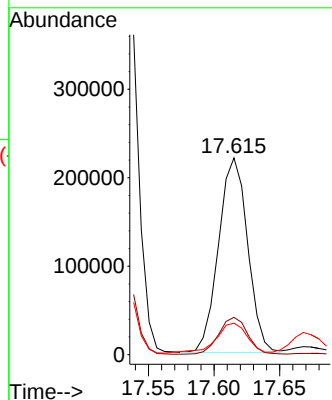
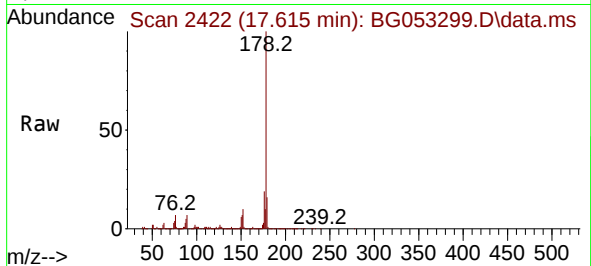




#72
 Anthracene
 Concen: 30.186 ng
 RT: 17.615 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: BG053299.D
 Acq: 23 Apr 2022 18:55

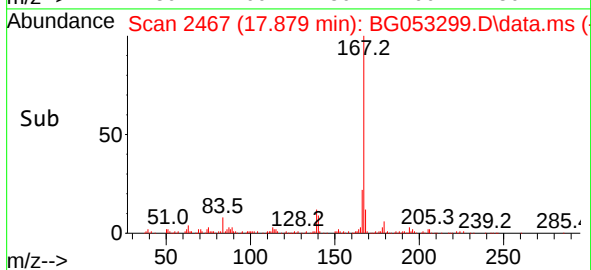
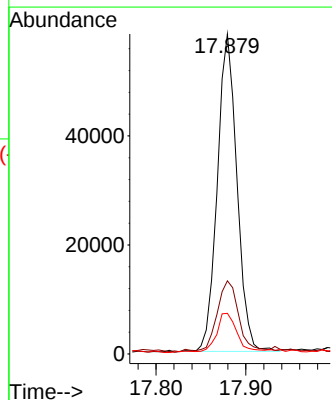
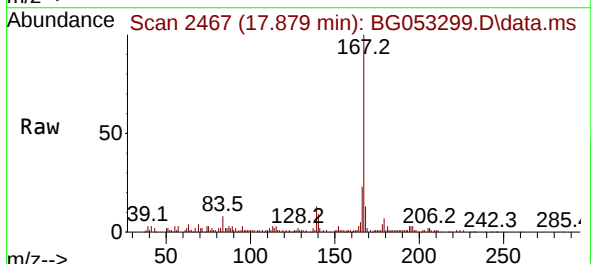
Instrument :
 BNA_G
 ClientSampleId :
 PAT-01-041922

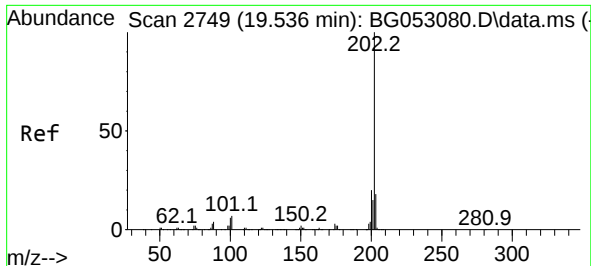
Tgt Ion:178 Resp: 338461
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.7 22.1
 179 16.0 13.2 19.8



#73
 Carbazole
 Concen: 8.110 ng
 RT: 17.879 min Scan# 2467
 Delta R.T. -0.003 min
 Lab File: BG053299.D
 Acq: 23 Apr 2022 18:55

Tgt Ion:167 Resp: 88397
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.5 27.7
 139 12.7 10.0 15.0

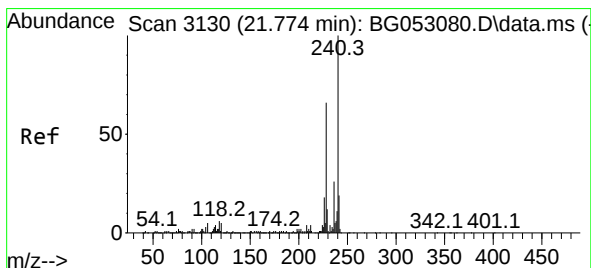
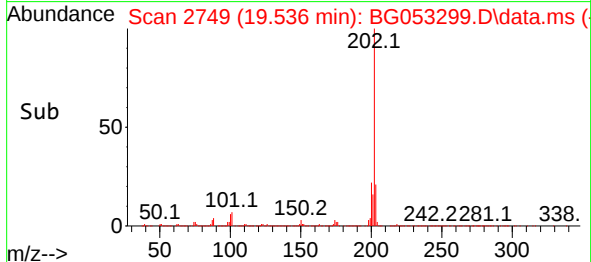
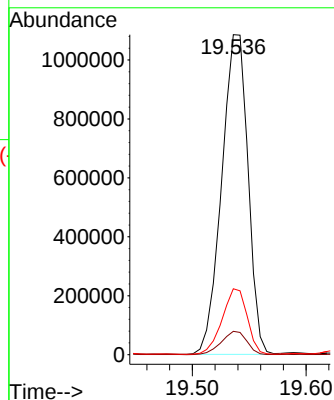
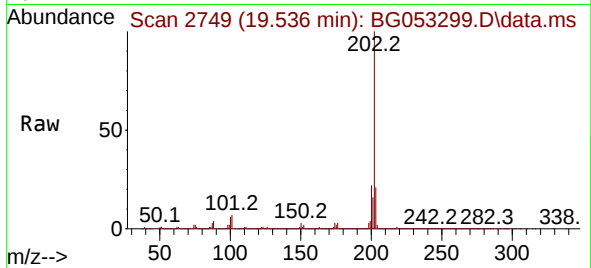




#75
Fluoranthene
Concen: 120.012 ng
RT: 19.536 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

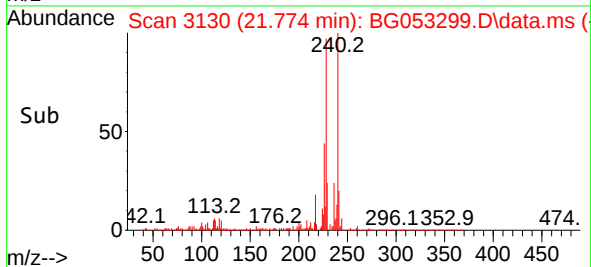
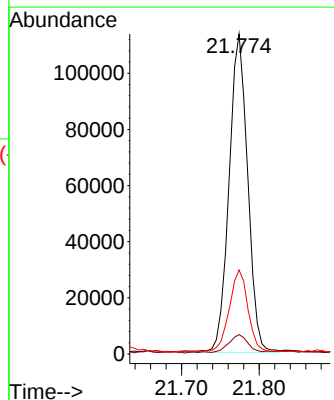
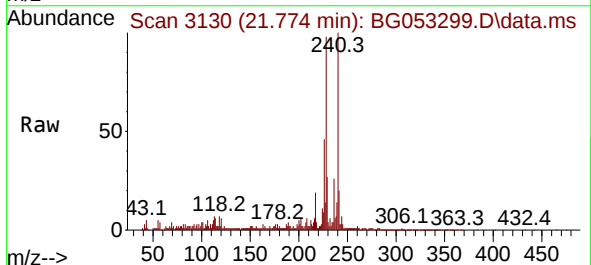
Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

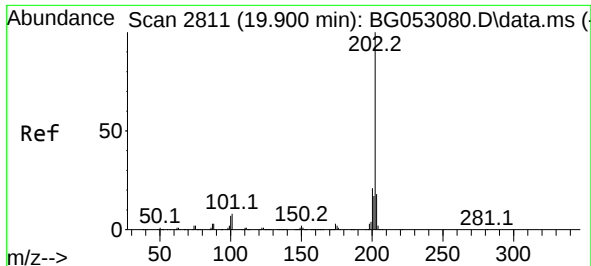
Tgt Ion:202 Resp: 1741066
Ion Ratio Lower Upper
202 100
101 7.3 0.0 27.3
203 20.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.774 min Scan# 3130
Delta R.T. 0.009 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:240 Resp: 189142
Ion Ratio Lower Upper
240 100
120 6.0 5.4 8.0
236 26.3 19.8 29.6

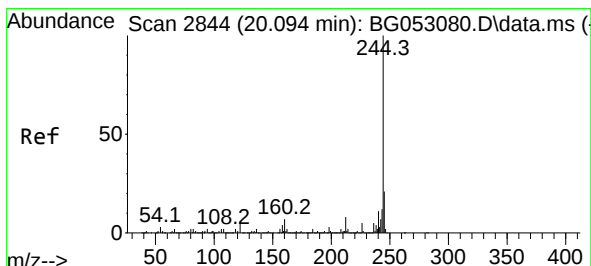
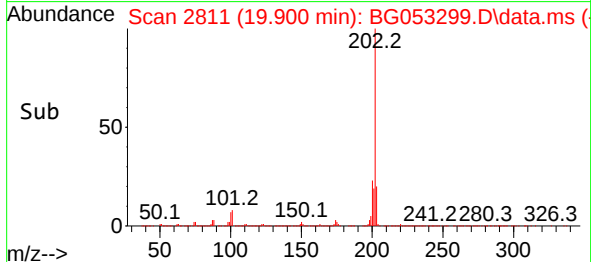
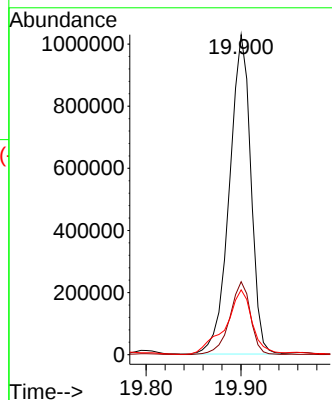
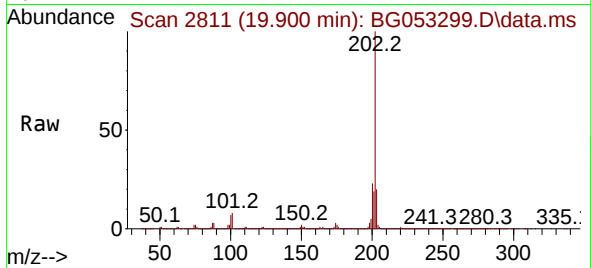




#78
Pyrene
Concen: 119.356 ng
RT: 19.900 min Scan# 2811
Delta R.T. 0.009 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

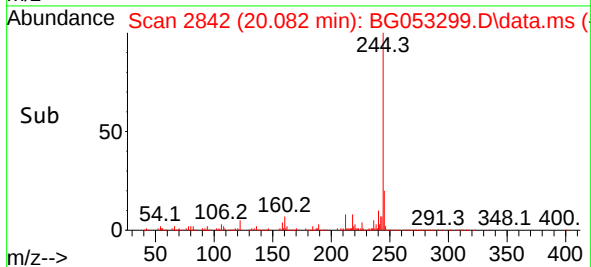
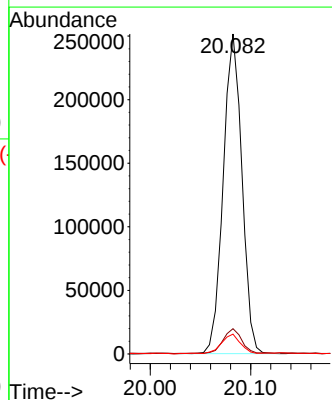
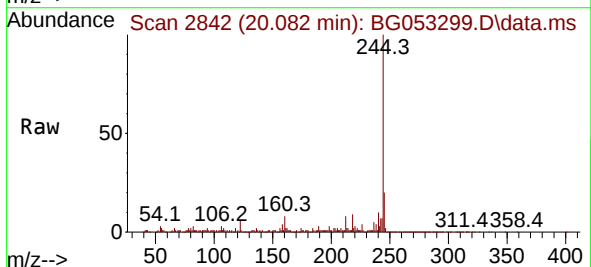
Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

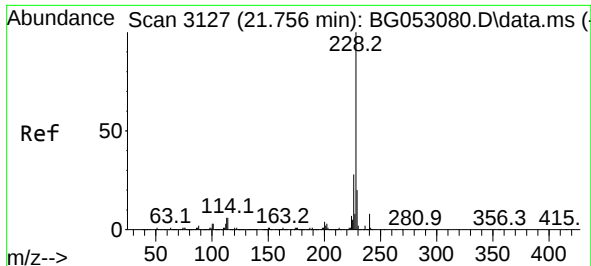
Tgt Ion:202 Resp: 1607813
Ion Ratio Lower Upper
202 100
200 22.8 17.0 25.6
203 20.3 15.0 22.6



#79
Terphenyl-d14
Concen: 28.975 ng
RT: 20.082 min Scan# 2842
Delta R.T. -0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:244 Resp: 324491
Ion Ratio Lower Upper
244 100
212 7.9 5.4 8.2
122 6.2 5.8 8.6

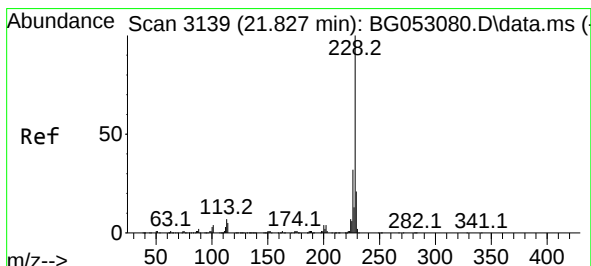
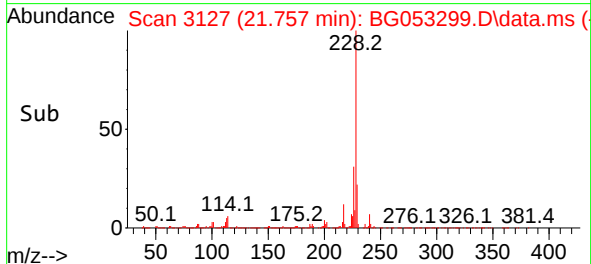
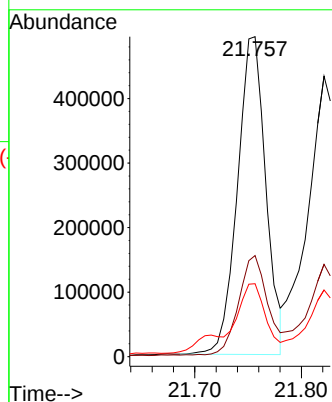
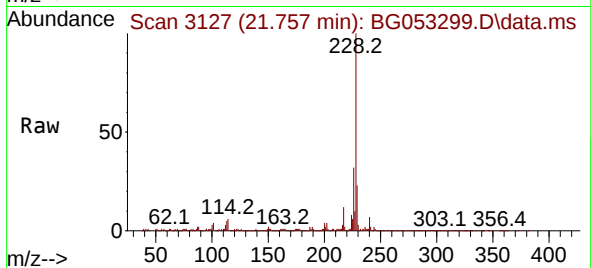




#81
Benzo(a)anthracene
Concen: 70.488 ng
RT: 21.757 min Scan# 3127
Delta R.T. 0.009 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

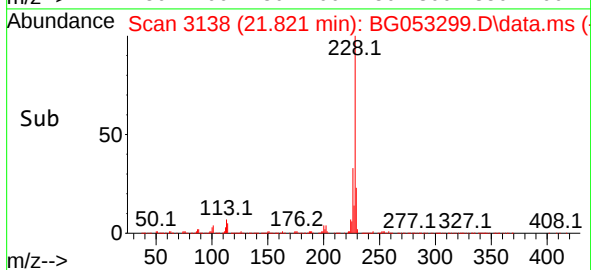
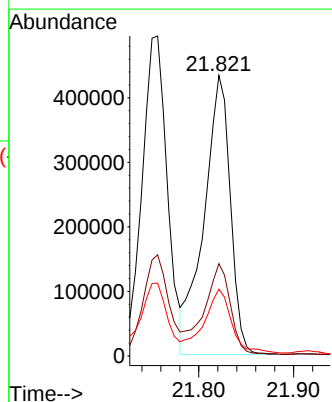
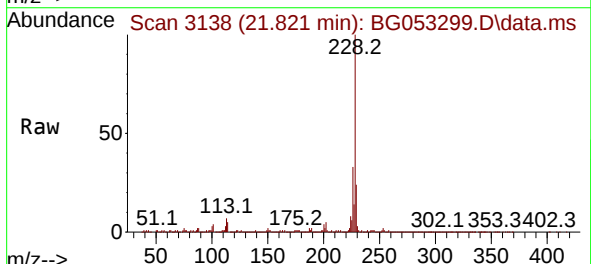
Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

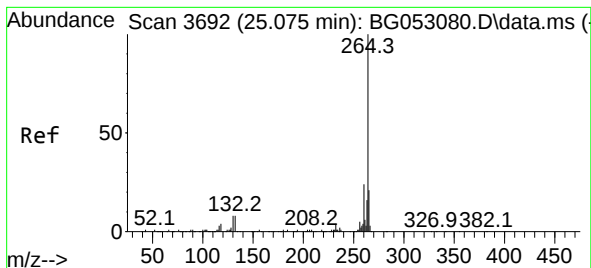
Tgt Ion:228 Resp: 911559
Ion Ratio Lower Upper
228 100
226 31.6 21.4 32.0
229 22.8 16.7 25.1



#83
Chrysene
Concen: 69.839 ng
RT: 21.821 min Scan# 3138
Delta R.T. 0.009 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:228 Resp: 838204
Ion Ratio Lower Upper
228 100
226 32.9 24.2 36.4
229 23.8 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.081 min Scan# 3

Delta R.T. 0.020 min

Lab File: BG053299.D

Acq: 23 Apr 2022 18:55

Instrument :

BNA_G

ClientSampleId :

PAT-01-041922

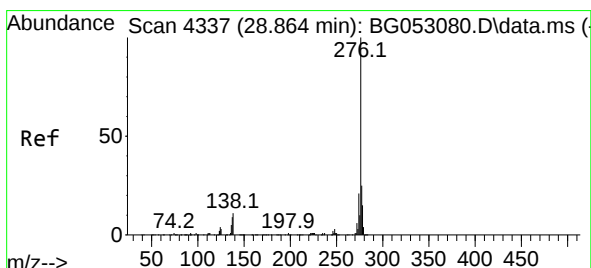
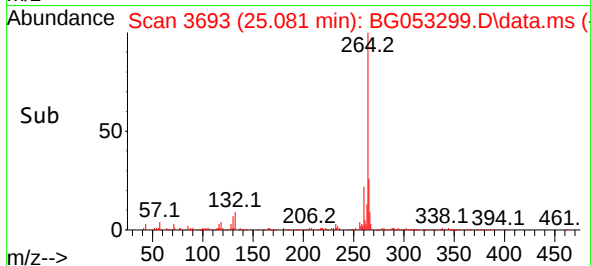
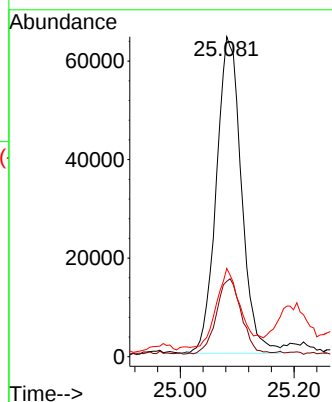
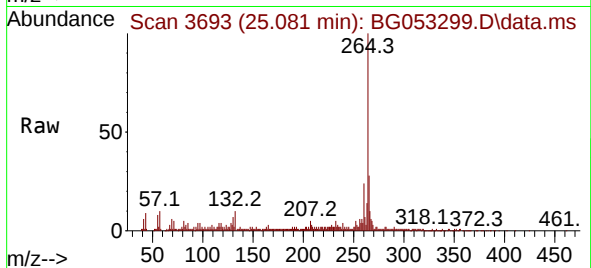
Tgt Ion:264 Resp: 197226

Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.2

265 27.6 15.1 22.7#



#87

Indeno(1,2,3-cd)pyrene

Concen: 35.371 ng

RT: 28.876 min Scan# 4339

Delta R.T. 0.026 min

Lab File: BG053299.D

Acq: 23 Apr 2022 18:55

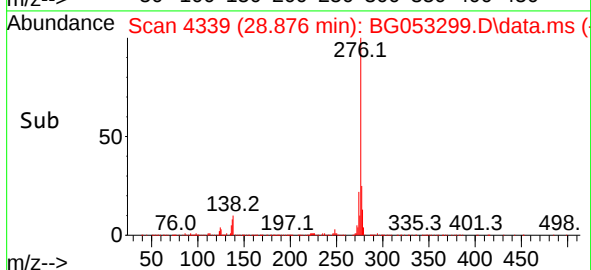
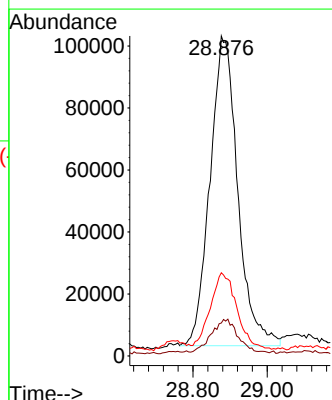
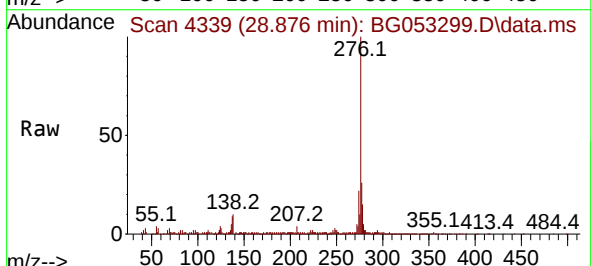
Tgt Ion:276 Resp: 518286

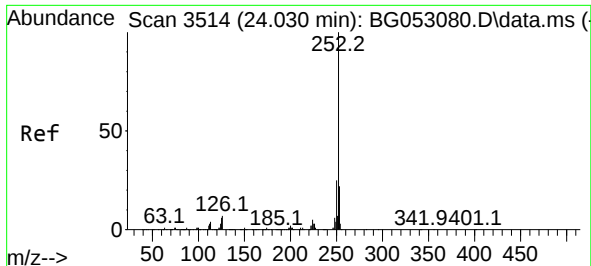
Ion Ratio Lower Upper

276 100

138 10.0 8.7 13.1

277 24.2 20.2 30.4

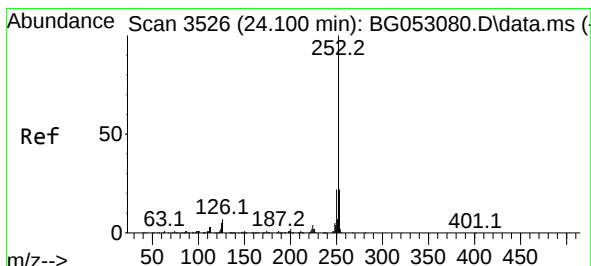
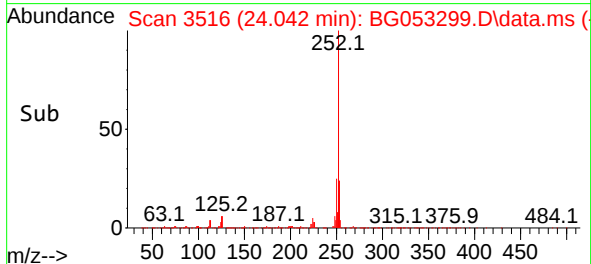
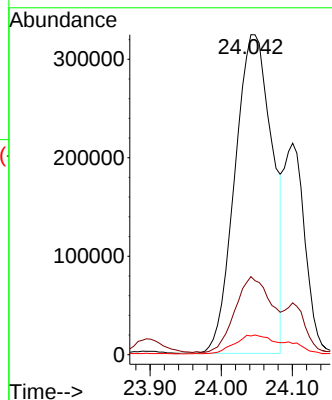
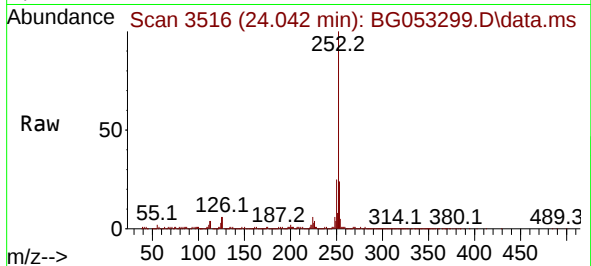




#88
Benzo(b)fluoranthene
Concen: 95.197 ng
RT: 24.042 min Scan# 3516
Delta R.T. 0.020 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

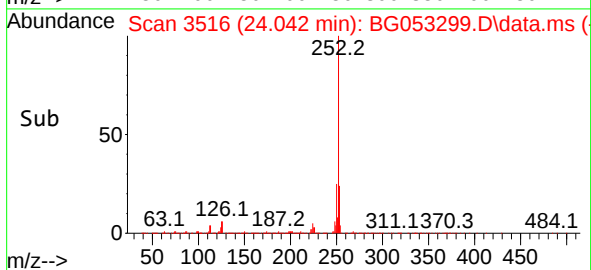
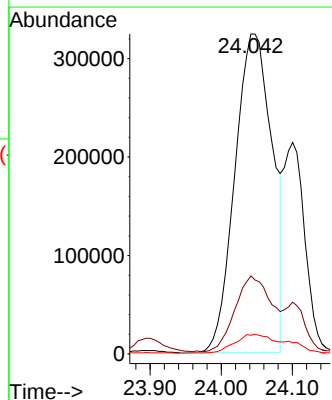
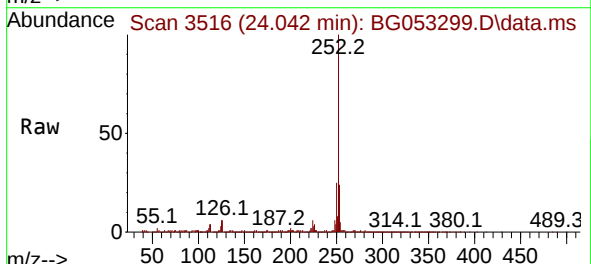
Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

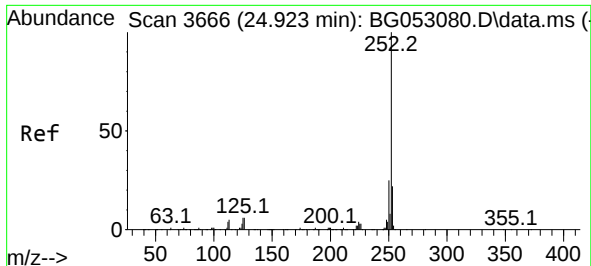
Tgt Ion:252 Resp: 1184608
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 5.9 5.2 7.8



#89
Benzo(k)fluoranthene
Concen: 96.861 ng
RT: 24.042 min Scan# 3516
Delta R.T. -0.044 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:252 Resp: 1184608
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 5.9 5.0 7.4

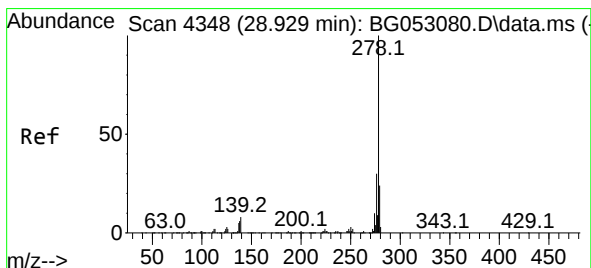
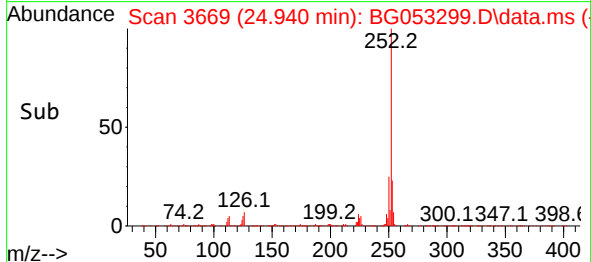
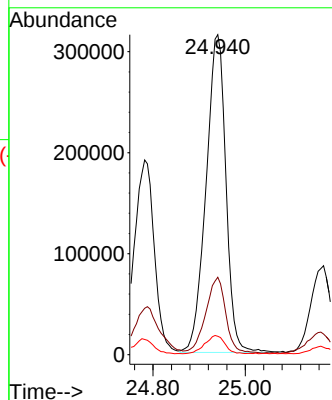
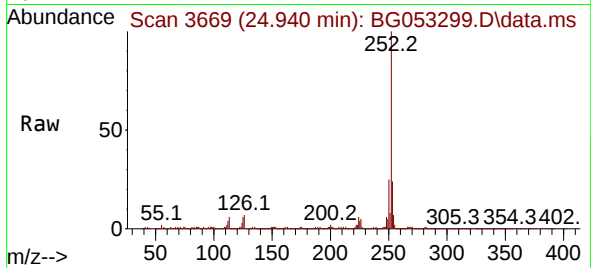




#90
Benzo(a)pyrene
Concen: 89.058 ng
RT: 24.940 min Scan# 30
Delta R.T. 0.026 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

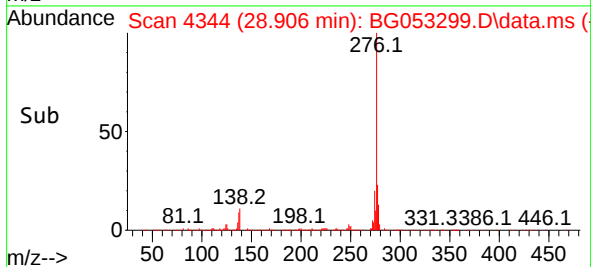
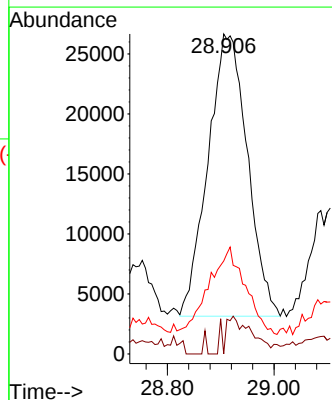
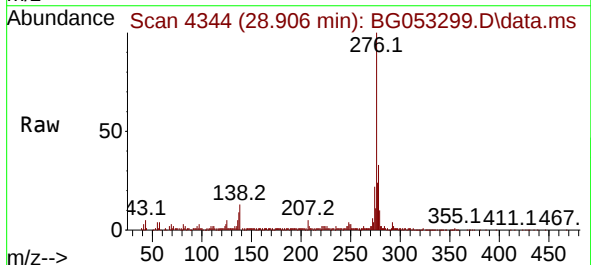
Instrument :
BNA_G
ClientSampleId :
PAT-01-041922

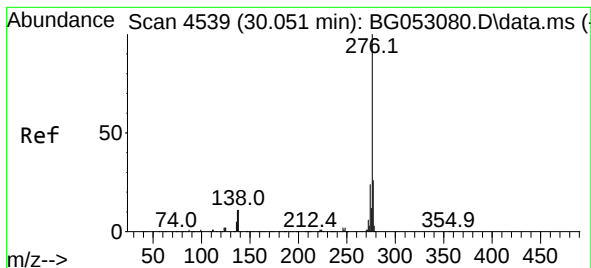
Tgt Ion:252 Resp: 944105
Ion Ratio Lower Upper
252 100
253 24.2 18.4 27.6
125 5.7 5.6 8.4



#91
Dibenzo(a,h)anthracene
Concen: 10.005 ng
RT: 28.906 min Scan# 4344
Delta R.T. 0.003 min
Lab File: BG053299.D
Acq: 23 Apr 2022 18:55

Tgt Ion:278 Resp: 120661
Ion Ratio Lower Upper
278 100
139 0.0 7.8 11.6#
279 29.0 18.5 27.7#





#92

Benzo(g,h,i)perylene

Concen: 37.757 ng

RT: 30.063 min Scan# 4

Delta R.T. 0.026 min

Lab File: BG053299.D

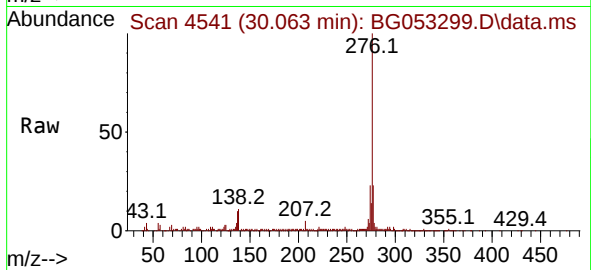
Acq: 23 Apr 2022 18:55

Instrument :

BNA_G

ClientSampleId :

PAT-01-041922



Tgt Ion:276 Resp: 448814

Ion Ratio Lower Upper

276 100

277 23.2 18.2 27.2

138 11.2 9.1 13.7

