

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053067.D
 Acq On : 6 Apr 2022 22:59
 Operator : CG/JU
 Sample : N2278-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-040522

Quant Time: Apr 07 04:11:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

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

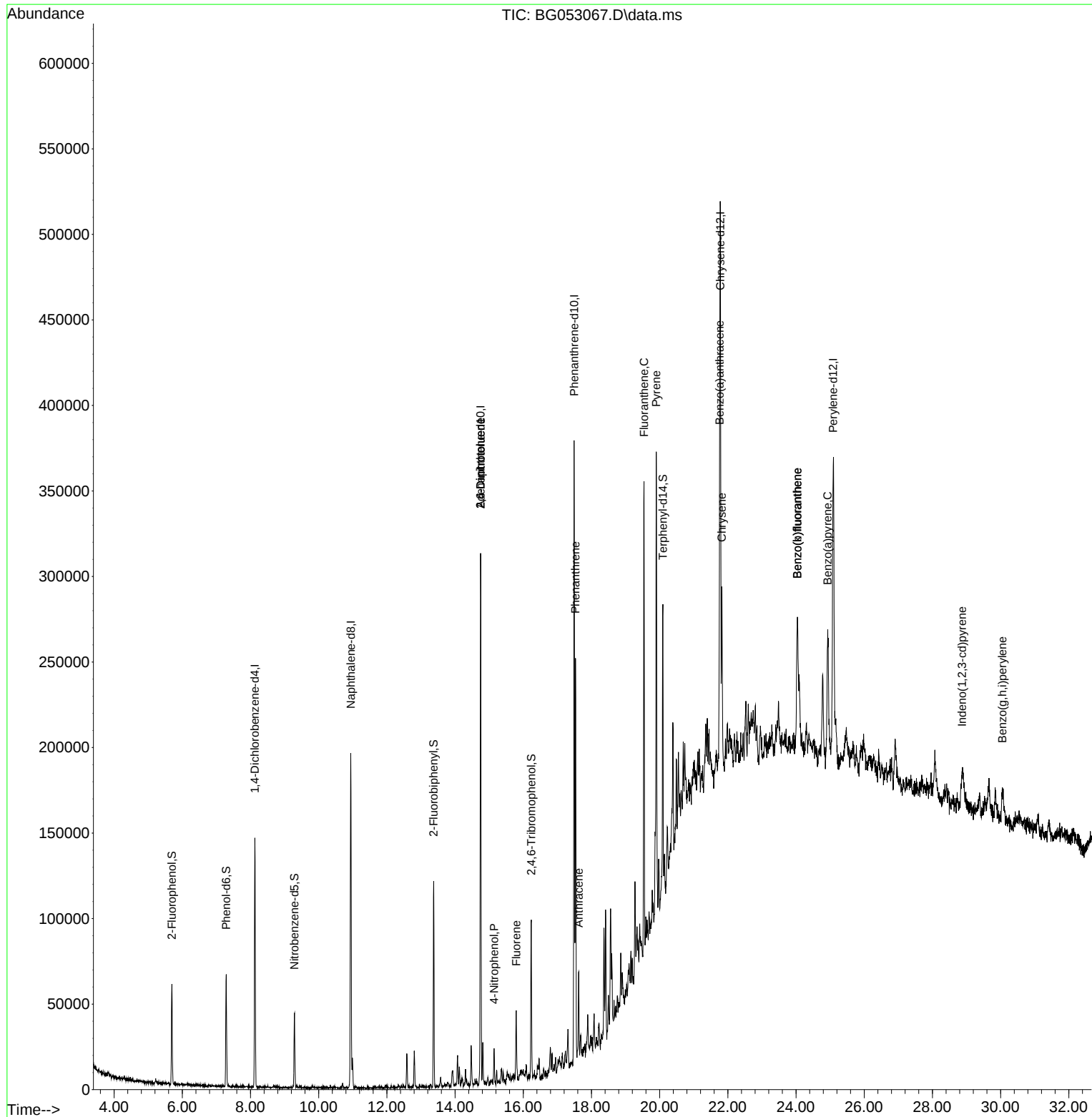
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.129	152	40012	20.000	ng	0.00
21) Naphthalene-d8	10.943	136	160882	20.000	ng	# 0.00
39) Acenaphthene-d10	14.749	164	109581	20.000	ng	0.00
64) Phenanthrene-d10	17.493	188	219879	20.000	ng	0.00
76) Chrysene-d12	21.781	240	190747	20.000	ng	0.00
86) Perylene-d12	25.088	264	203667	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	25016	10.888	ng	0.01
7) Phenol-d6	7.289	99	36890	10.650	ng	0.00
23) Nitrobenzene-d5	9.286	82	27447	8.563	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	16512	11.214	ng	0.00
45) 2-Fluorobiphenyl	13.375	172	62504	8.412	ng	0.00
79) Terphenyl-d14	20.095	244	85710	7.993	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.277	77	55	Below Cal	#	23
51) 2,6-Dinitrotoluene	14.749	165	15139	11.010	ng	# 28
56) 4-Nitrophenol	15.143	139	3845	2.930	ng	# 4
57) 2,4-Dinitrotoluene	14.749	165	15139	7.935	ng	# 26
58) Fluorene	15.795	166	19147	2.334	ng	98
71) Phenanthrene	17.534	178	151106	12.846	ng	98
72) Anthracene	17.628	178	34124	2.935	ng	98
75) Fluoranthene	19.543	202	176769	11.839	ng	97
78) Pyrene	19.901	202	176767	13.360	ng	97
81) Benzo(a)anthracene	21.757	228	89537	7.010	ng	96
83) Chrysene	21.822	228	88817	7.397	ng	96
87) Indeno(1,2,3-cd)pyrene	28.871	276	47199	3.386	ng	# 87
88) Benzo(b)fluoranthene	24.037	252	105245	8.323	ng	# 97
89) Benzo(k)fluoranthene	24.037	252	105245	8.459	ng	# 97
90) Benzo(a)pyrene	24.930	252	85781	8.014	ng	99
92) Benzo(g,h,i)perylene	30.052	276	44748	3.937	ng	# 91

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

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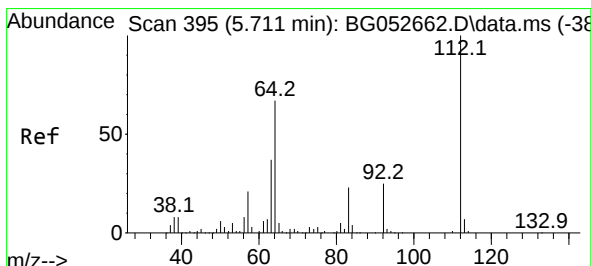
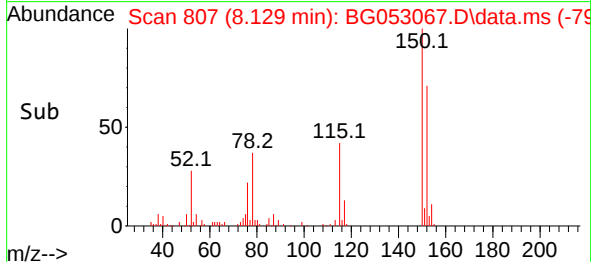
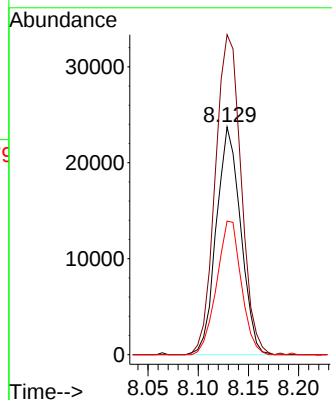
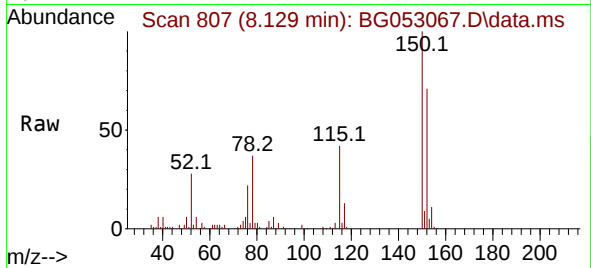




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.129 min Scan# 80
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

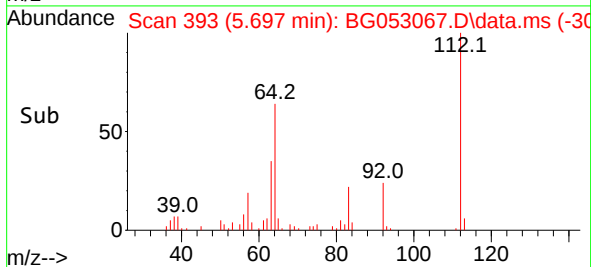
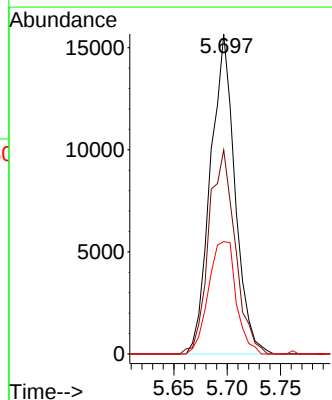
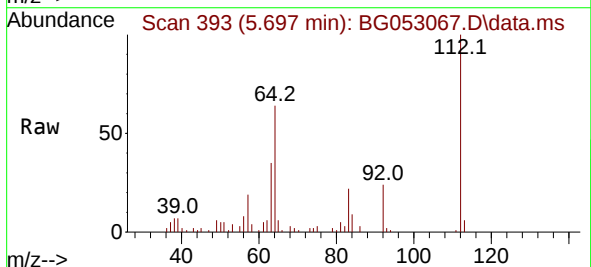
Instrument :
BNA_G
ClientSampleId :
OR-03-040522

Tgt Ion:152 Resp: 40012
Ion Ratio Lower Upper
152 100
150 140.6 114.6 172.0
115 58.7 45.9 68.9



#5
2-Fluorophenol
Concen: 10.888 ng
RT: 5.697 min Scan# 393
Delta R.T. 0.013 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Tgt Ion:112 Resp: 25016
Ion Ratio Lower Upper
112 100
64 63.7 48.0 72.0
63 35.1 26.5 39.7

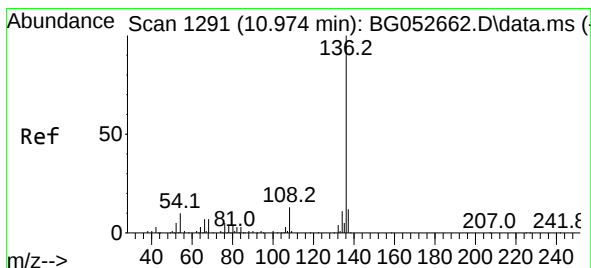
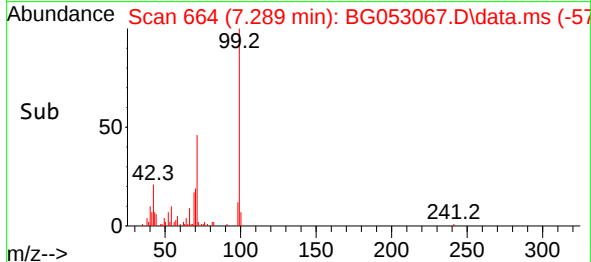
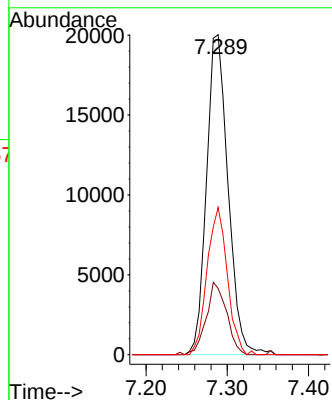
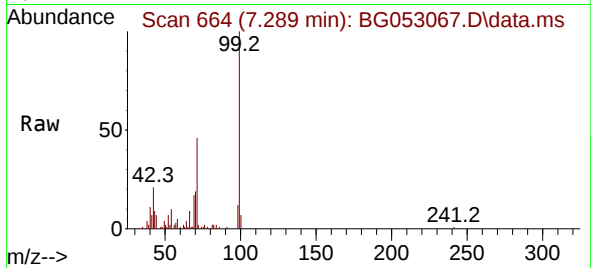




#7
Phenol-d6
Concen: 10.650 ng
RT: 7.289 min Scan# 61
Delta R.T. 0.007 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

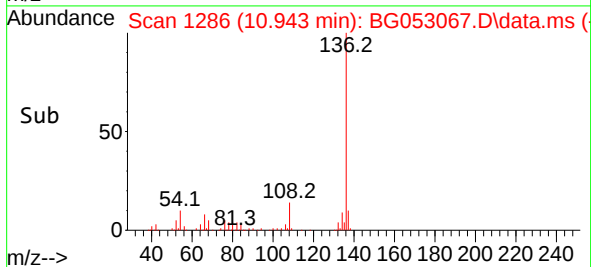
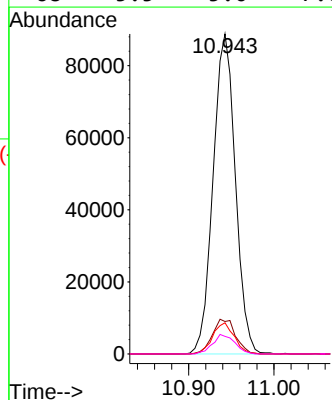
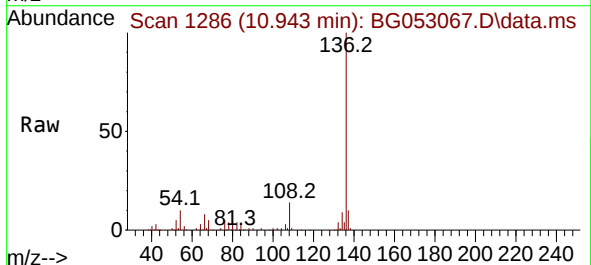
Instrument :
BNA_G
ClientSampleId :
OR-03-040522

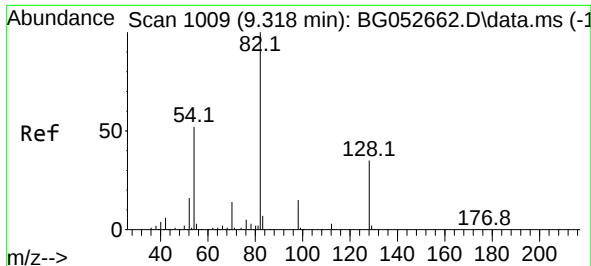
Tgt Ion: 99 Resp: 36890
Ion Ratio Lower Upper
99 100
42 20.7 14.7 22.1
71 46.0 29.2 43.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.943 min Scan# 1286
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Tgt Ion: 136 Resp: 160882
Ion Ratio Lower Upper
136 100
137 10.1 9.4 14.2
54 9.7 6.4 9.6#
68 5.5 5.0 7.6

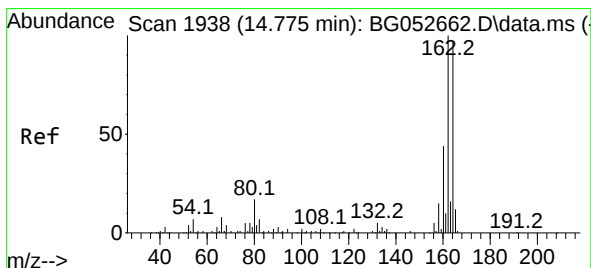
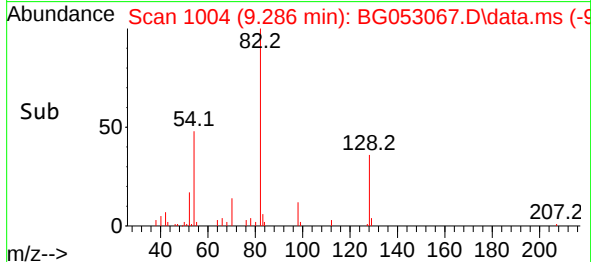
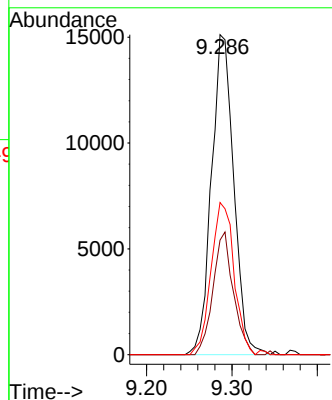
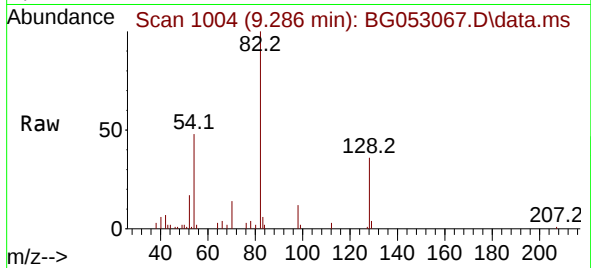




#23
Nitrobenzene-d5
Concen: 8.563 ng
RT: 9.286 min Scan# 1004
Delta R.T. -0.005 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

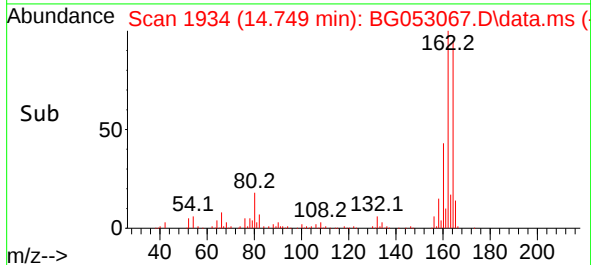
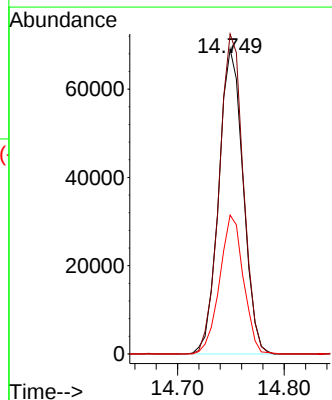
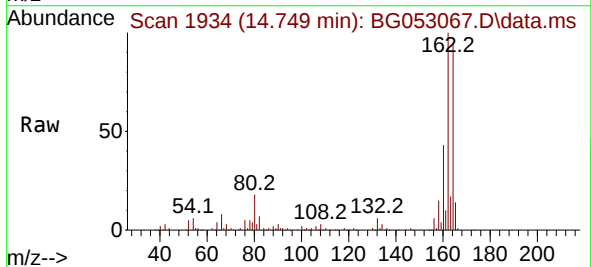
Instrument :
BNA_G
ClientSampleId :
OR-03-040522

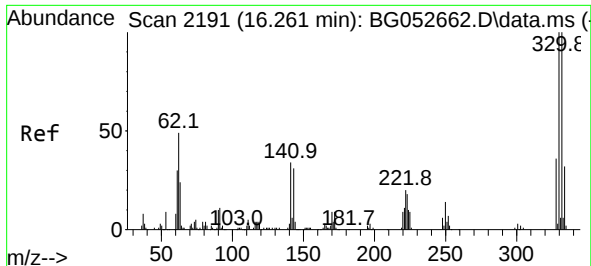
Tgt Ion: 82 Resp: 27447
Ion Ratio Lower Upper
82 100
128 35.8 31.3 46.9
54 47.5 37.8 56.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.749 min Scan# 1934
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Tgt Ion: 164 Resp: 109581
Ion Ratio Lower Upper
164 100
162 105.0 80.0 120.0
160 45.6 38.8 58.2

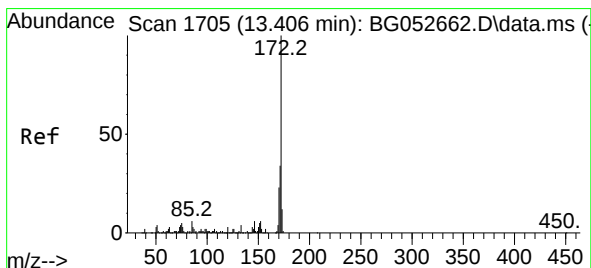
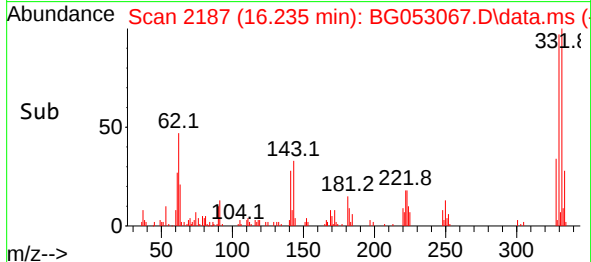
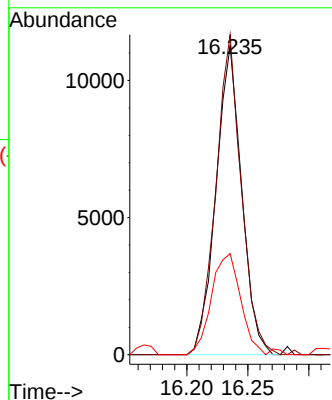
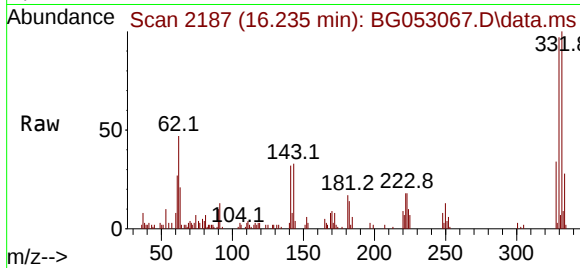




#42
2,4,6-Tribromophenol
Concen: 11.214 ng
RT: 16.235 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

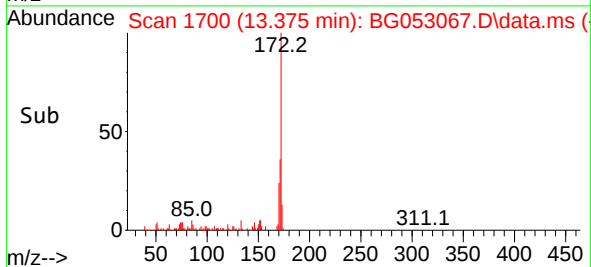
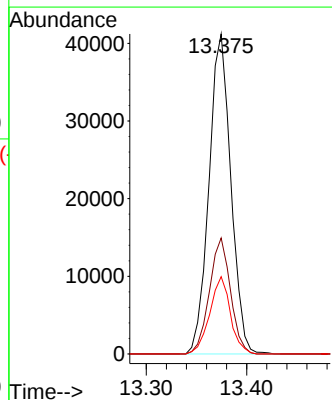
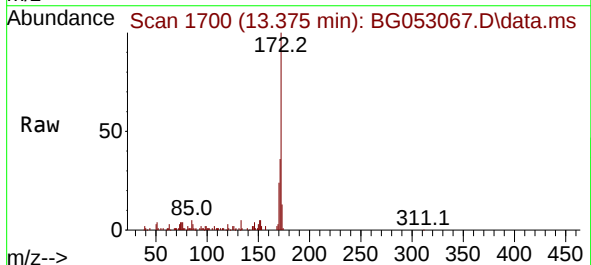
Instrument :
BNA_G
ClientSampleId :
OR-03-040522

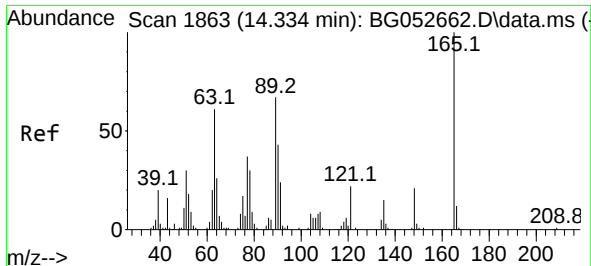
Tgt Ion:330 Resp: 16512
Ion Ratio Lower Upper
330 100
332 102.1 75.8 113.6
141 37.0 24.6 36.8#



#45
2-Fluorobiphenyl
Concen: 8.412 ng
RT: 13.375 min Scan# 1700
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Tgt Ion:172 Resp: 62504
Ion Ratio Lower Upper
172 100
171 36.3 28.3 42.5
170 24.2 18.0 27.0

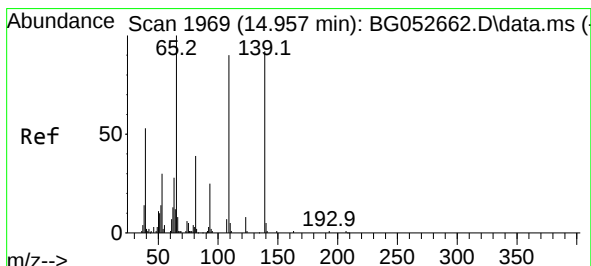
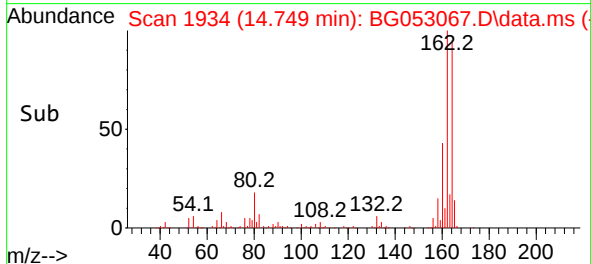
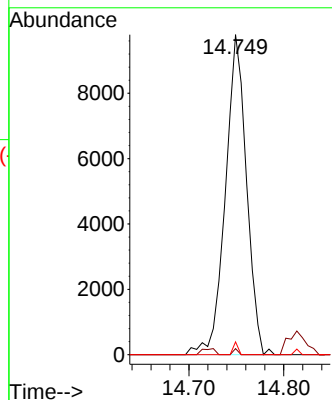
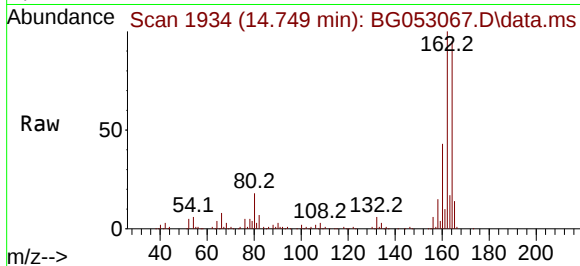




#51
2,6-Dinitrotoluene
Concen: 11.010 ng
RT: 14.749 min Scan# 1934
Delta R.T. 0.435 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

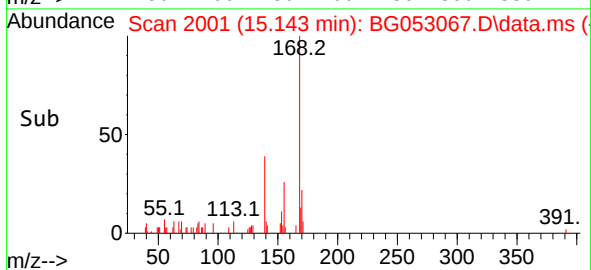
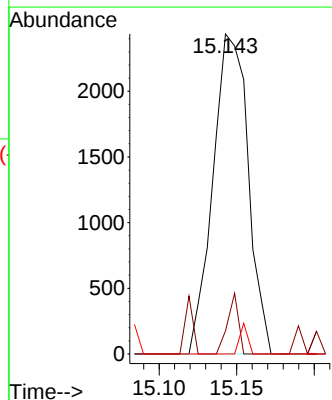
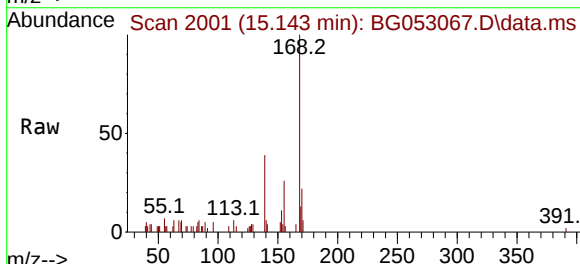
Instrument :
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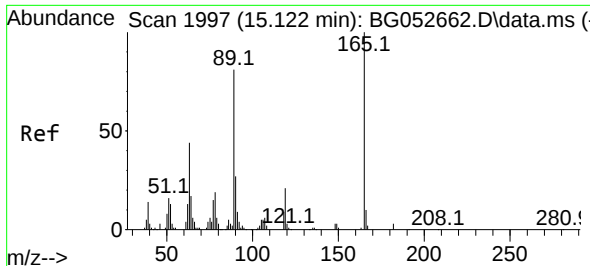
Tgt Ion:165 Resp: 15139
Ion Ratio Lower Upper
165 100
63 1.9 43.7 65.5#
89 4.0 45.0 67.4#



#56
4-Nitrophenol
Concen: 2.930 ng
RT: 15.143 min Scan# 2001
Delta R.T. 0.201 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Tgt Ion:139 Resp: 3845
Ion Ratio Lower Upper
139 100
109 7.2 67.1 107.1#
65 0.0 88.2 128.2#

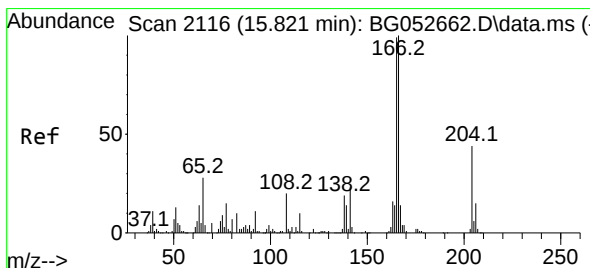
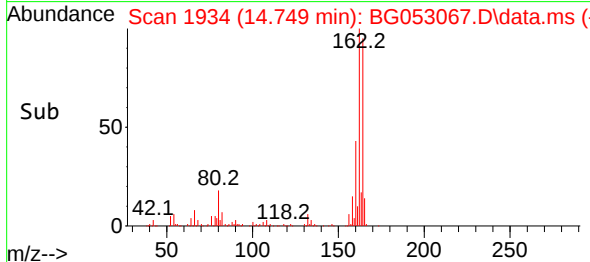
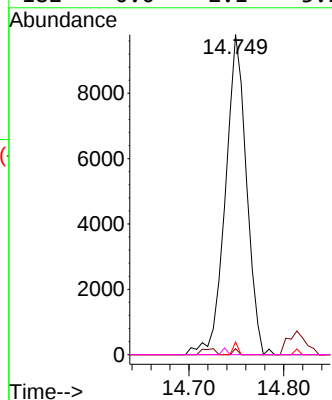
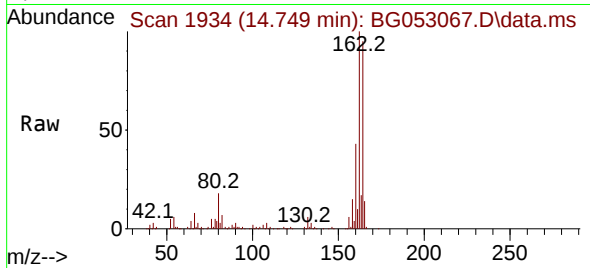




#57
2,4-Dinitrotoluene
Concen: 7.935 ng
RT: 14.749 min Scan# 1934
Delta R.T. -0.352 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

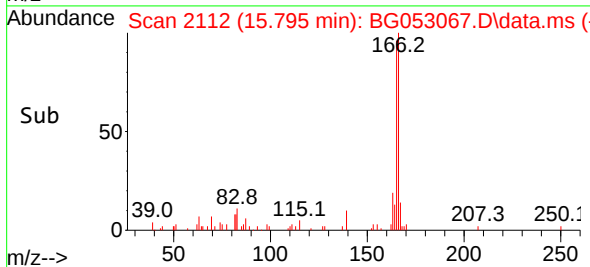
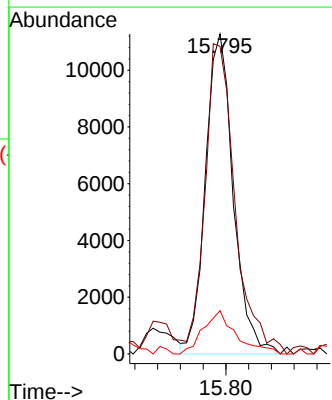
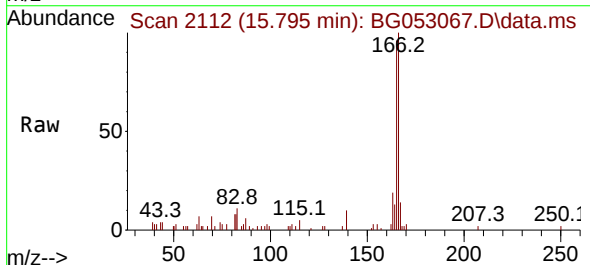
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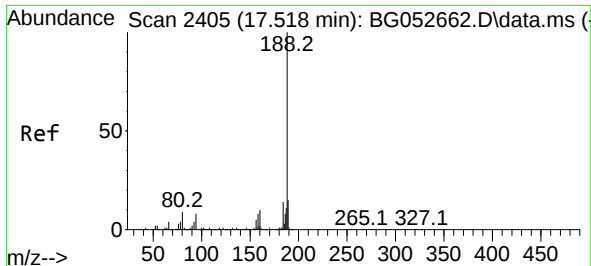
Tgt Ion:165 Resp: 15139
Ion Ratio Lower Upper
165 100
63 1.9 34.8 52.2#
89 4.0 57.4 86.0#
182 0.0 2.1 3.1#



#58
Fluorene
Concen: 2.334 ng
RT: 15.795 min Scan# 2112
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Tgt Ion:166 Resp: 19147
Ion Ratio Lower Upper
166 100
165 96.1 78.6 117.8
167 13.5 10.9 16.3

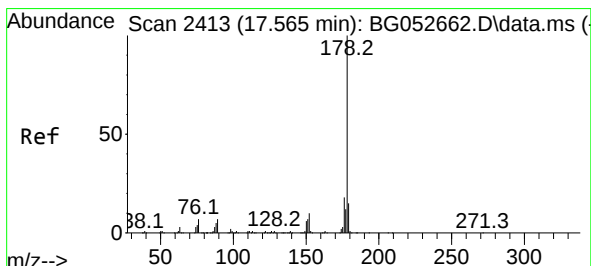
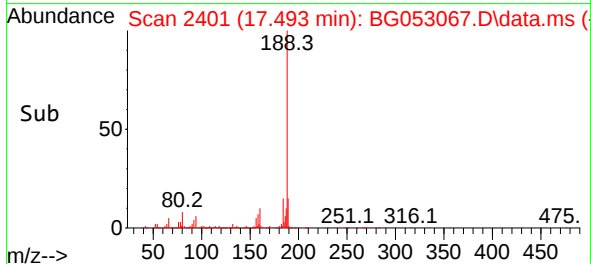
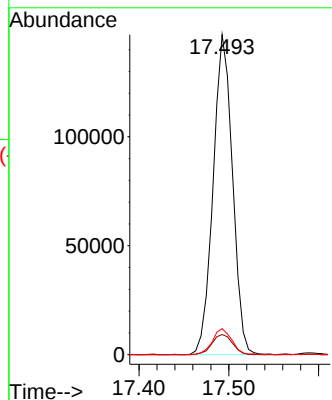
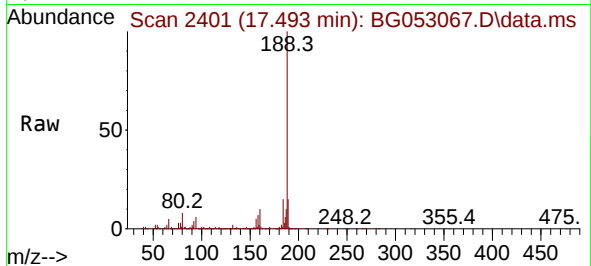




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.493 min Scan# 2401
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

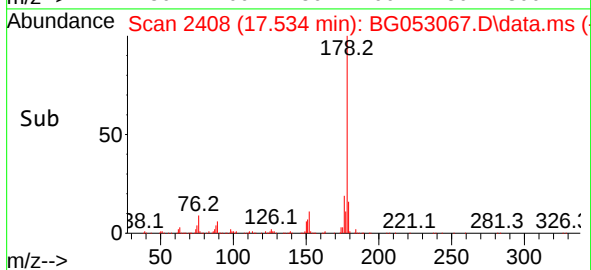
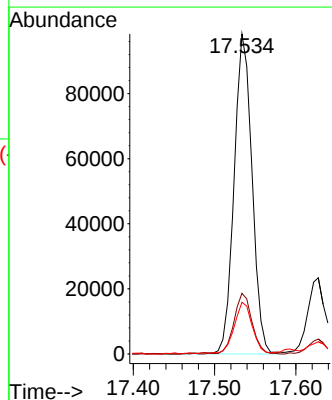
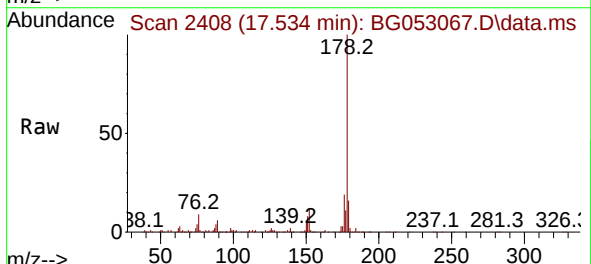
Instrument :
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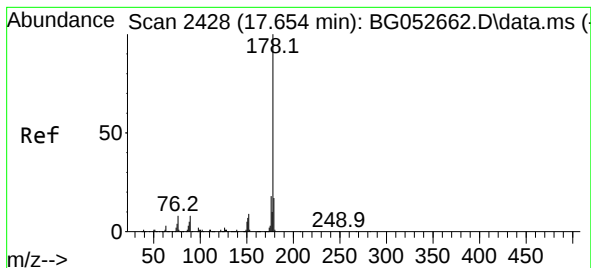
Tgt Ion:188 Resp: 219879
Ion Ratio Lower Upper
188 100
94 6.3 5.7 8.5
80 8.2 7.2 10.8



#71
Phenanthrene
Concen: 12.846 ng
RT: 17.534 min Scan# 2408
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Tgt Ion:178 Resp: 151106
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 16.1 13.4 20.2





#72

Anthracene

Concen: 2.935 ng

RT: 17.628 min Scan# 24

Delta R.T. 0.001 min

Lab File: BG053067.D

Acq: 6 Apr 2022 22:59

Instrument :

BNA_G

ClientSampleId :

OR-03-040522

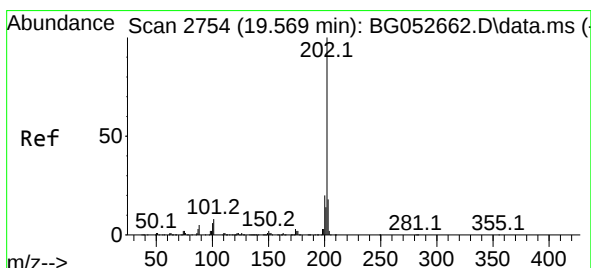
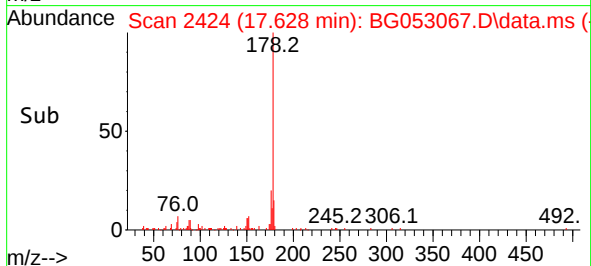
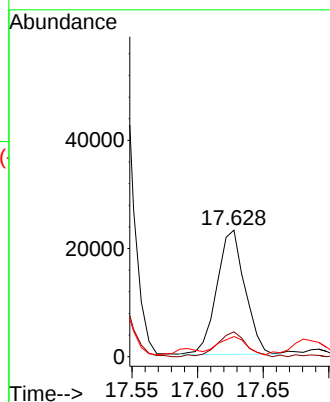
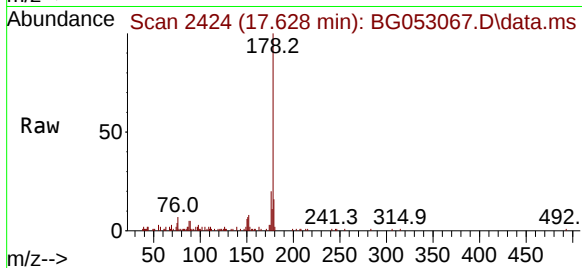
Tgt Ion:178 Resp: 34124

Ion Ratio Lower Upper

178 100

176 19.5 14.7 22.1

179 15.9 13.2 19.8



#75

Fluoranthene

Concen: 11.839 ng

RT: 19.543 min Scan# 2750

Delta R.T. 0.001 min

Lab File: BG053067.D

Acq: 6 Apr 2022 22:59

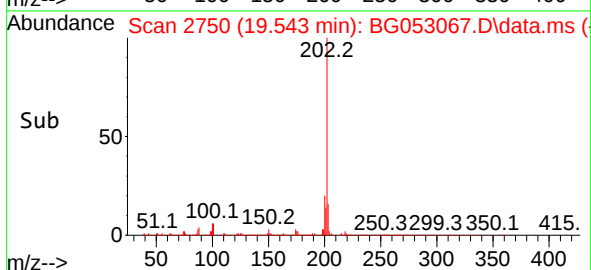
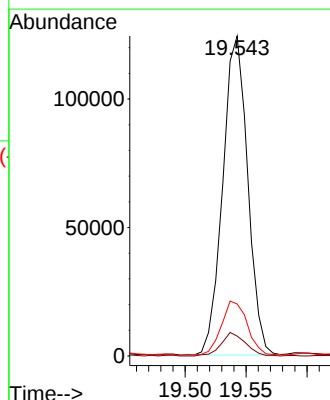
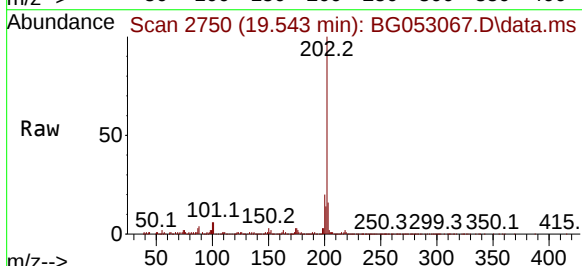
Tgt Ion:202 Resp: 176769

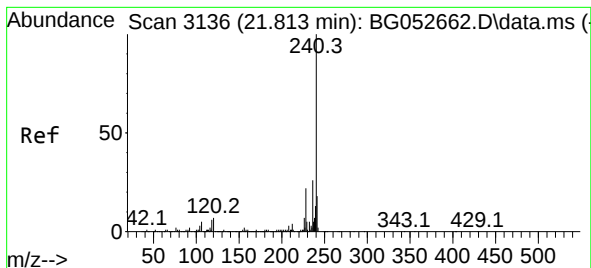
Ion Ratio Lower Upper

202 100

101 6.2 0.0 27.3

203 16.3 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.781 min Scan# 31

Delta R.T. 0.001 min

Lab File: BG053067.D

Acq: 6 Apr 2022 22:59

Instrument :

BNA_G

ClientSampleId :

OR-03-040522

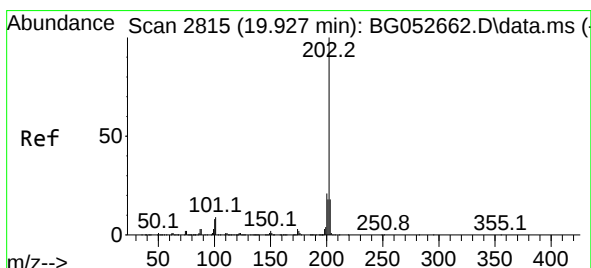
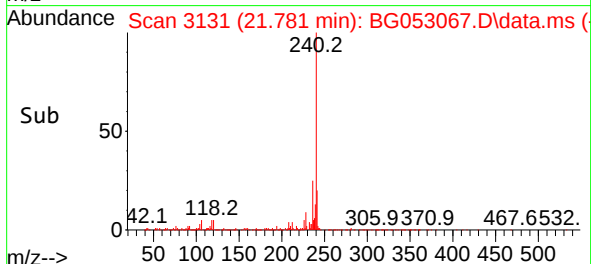
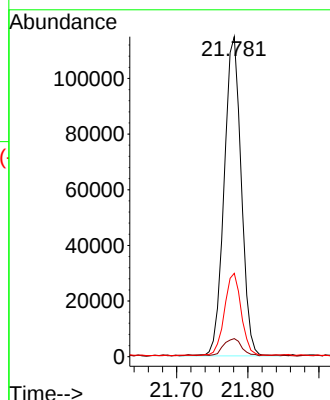
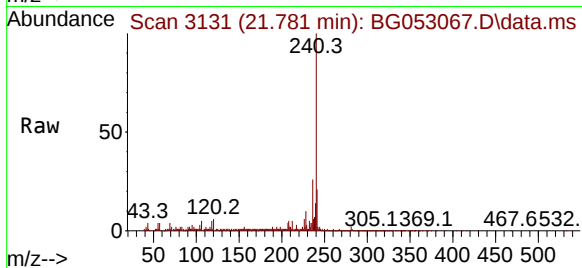
Tgt Ion:240 Resp: 190747

Ion Ratio Lower Upper

240 100

120 5.7 5.4 8.0

236 26.1 19.8 29.6



#78

Pyrene

Concen: 13.360 ng

RT: 19.901 min Scan# 2811

Delta R.T. 0.001 min

Lab File: BG053067.D

Acq: 6 Apr 2022 22:59

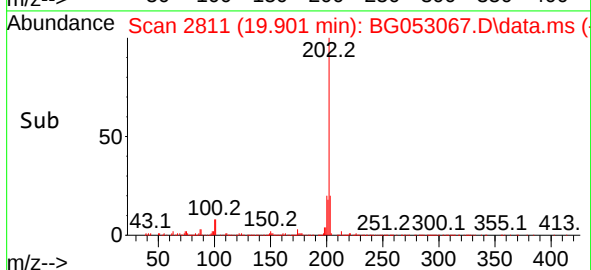
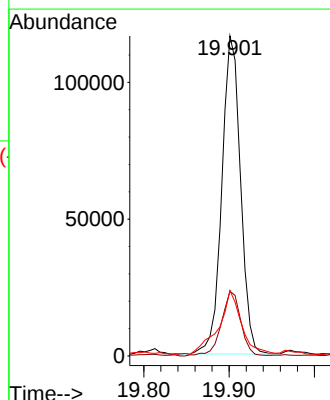
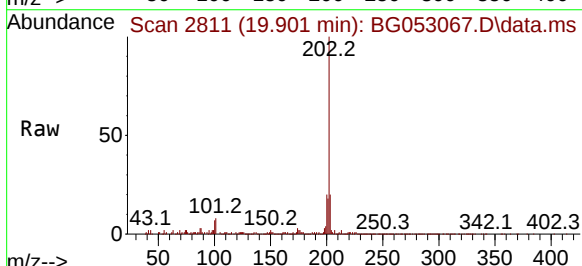
Tgt Ion:202 Resp: 176767

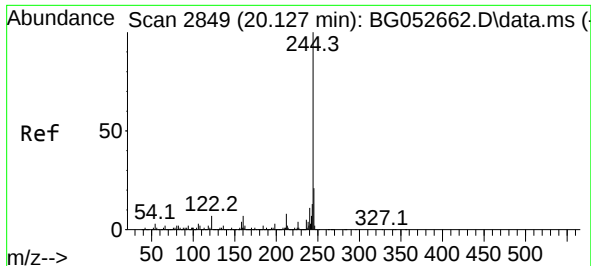
Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

203 20.5 15.0 22.6

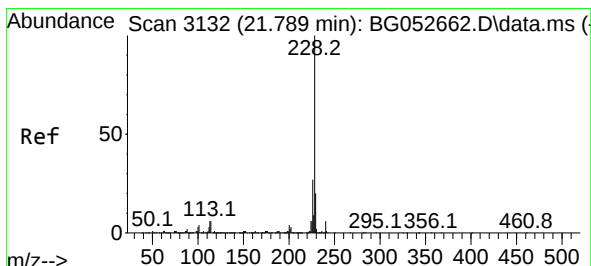
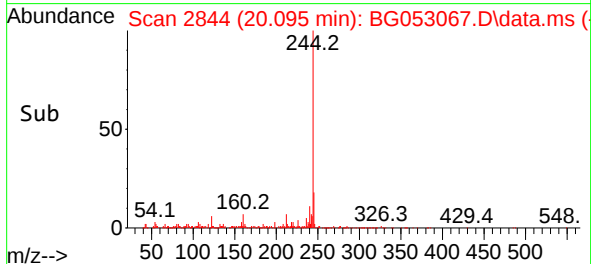
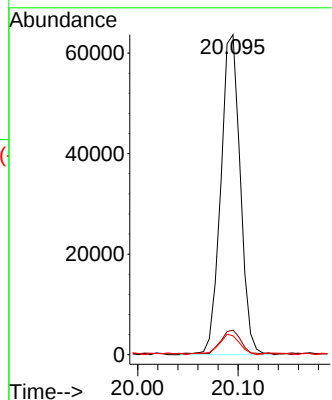
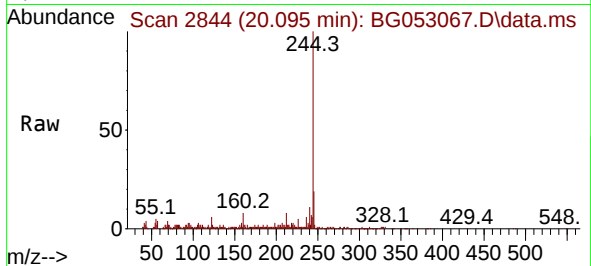




#79
 Terphenyl-d14
 Concen: 7.993 ng
 RT: 20.095 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG053067.D
 Acq: 6 Apr 2022 22:59

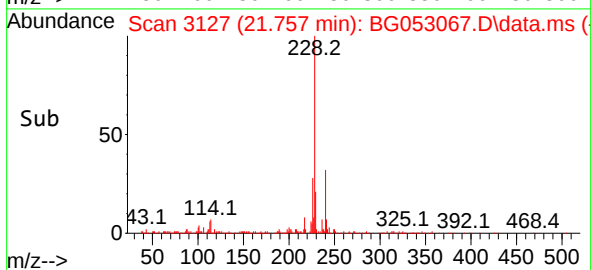
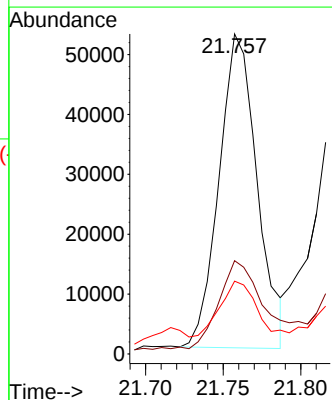
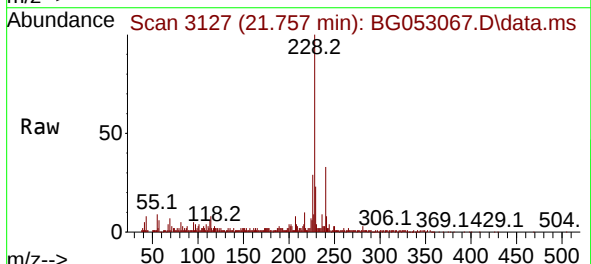
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-040522

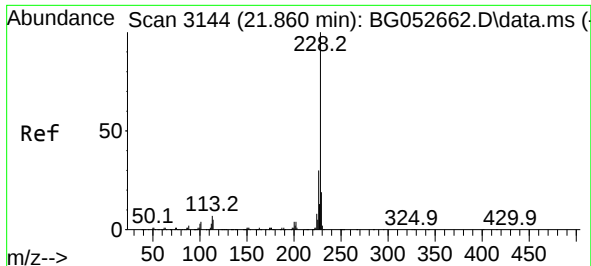
Tgt Ion:244 Resp: 85710
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 5.9 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 7.010 ng
 RT: 21.757 min Scan# 3127
 Delta R.T. 0.001 min
 Lab File: BG053067.D
 Acq: 6 Apr 2022 22:59

Tgt Ion:228 Resp: 89537
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.4 32.0
 229 22.8 16.7 25.1

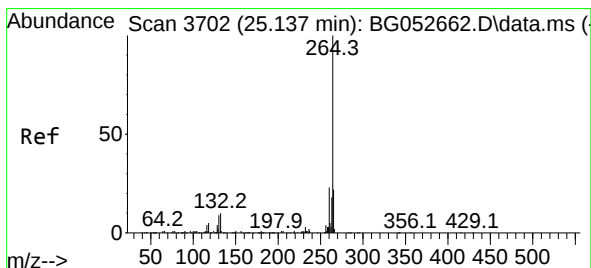
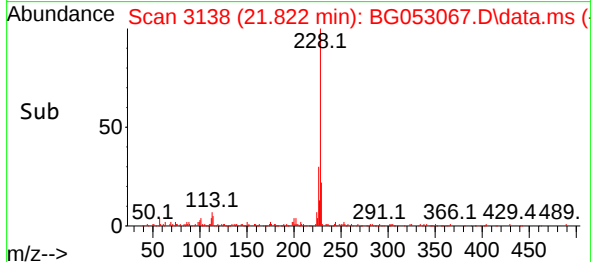
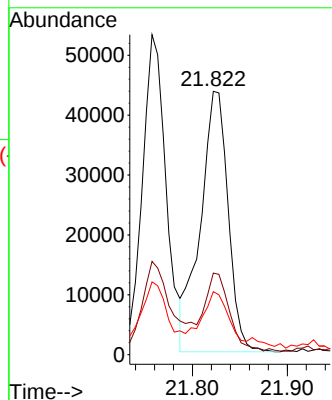
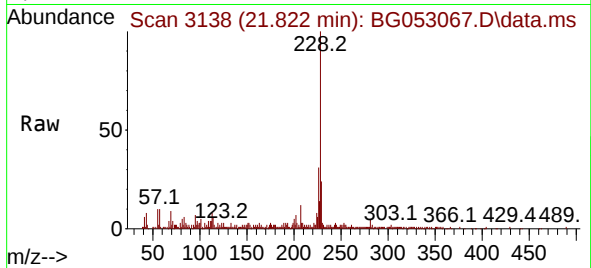




#83
Chrysene
Concen: 7.397 ng
RT: 21.822 min Scan# 3144
Delta R.T. -0.005 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

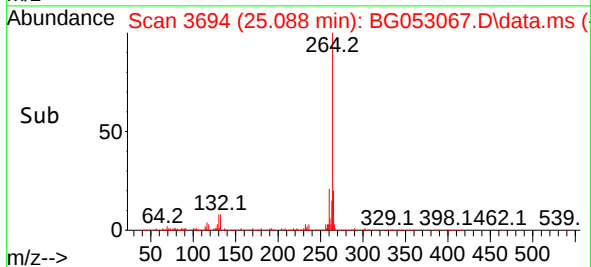
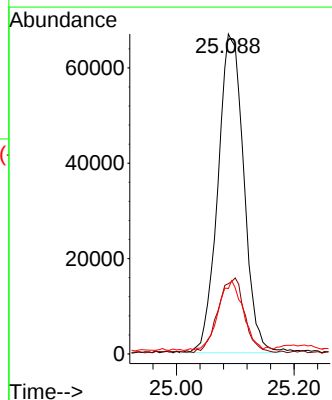
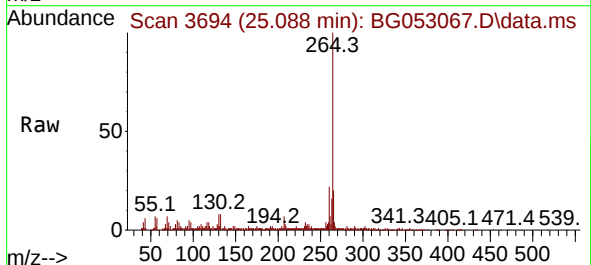
Instrument :
BNA_G
ClientSampleId :
OR-03-040522

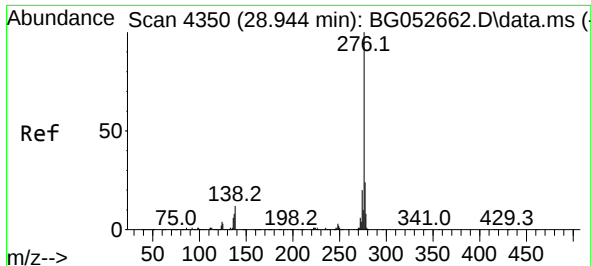
Tgt Ion:228	Resp:	88817	
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.4
229	23.9	16.3	24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.088 min Scan# 3694
Delta R.T. 0.007 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

Tgt Ion:264	Resp:	203667	
Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.2	27.2
265	20.5	15.1	22.7

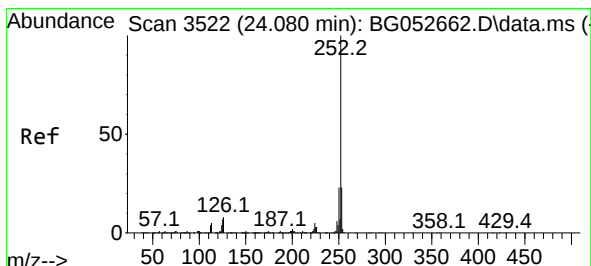
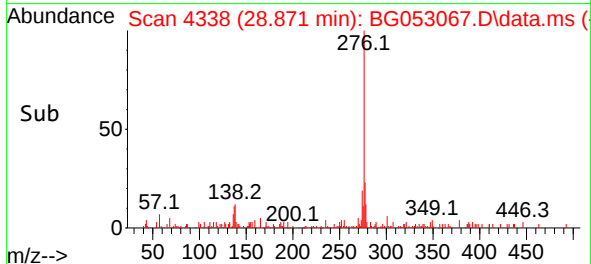
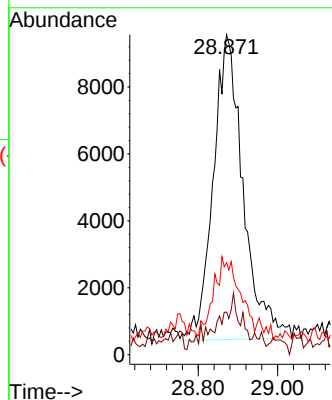
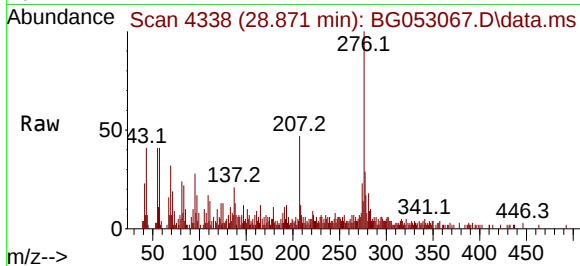




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.386 ng
 RT: 28.871 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: BG053067.D
 Acq: 6 Apr 2022 22:59

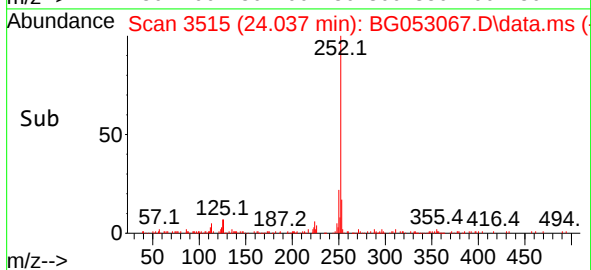
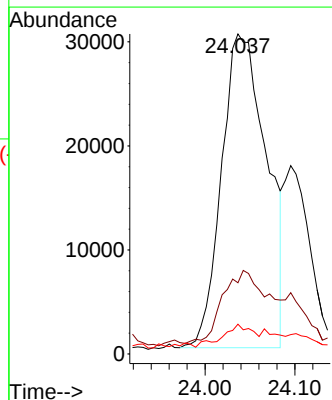
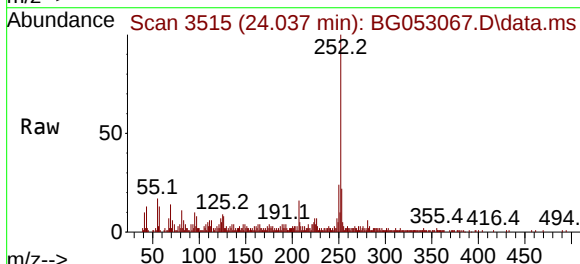
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-040522

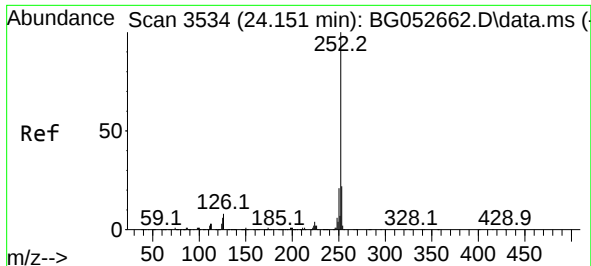
Tgt Ion:276 Resp: 47199
 Ion Ratio Lower Upper
 276 100
 138 0.0 8.7 13.1#
 277 22.1 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 8.323 ng
 RT: 24.037 min Scan# 3515
 Delta R.T. 0.007 min
 Lab File: BG053067.D
 Acq: 6 Apr 2022 22:59

Tgt Ion:252 Resp: 105245
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.2 25.8
 125 9.3 5.2 7.8#

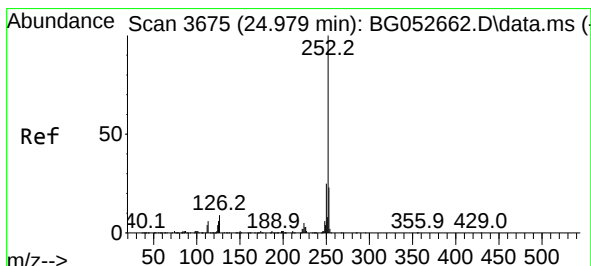
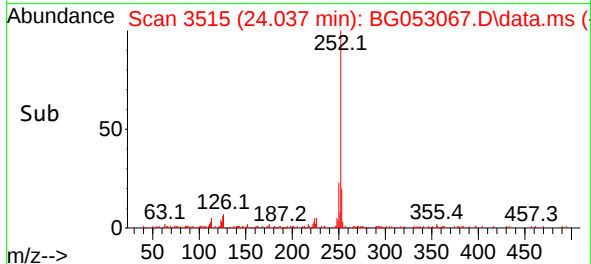
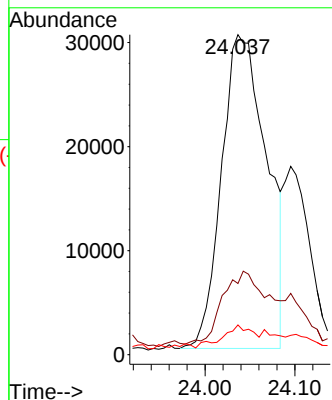
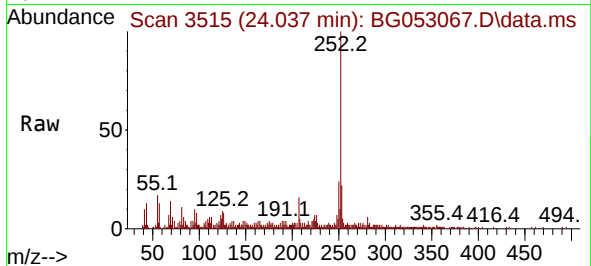




#89
Benzo(k)fluoranthene
Concen: 8.459 ng
RT: 24.037 min Scan# 31
Delta R.T. -0.064 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

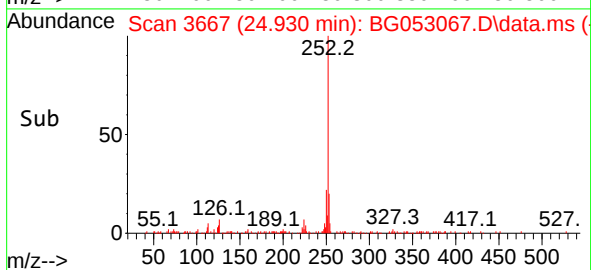
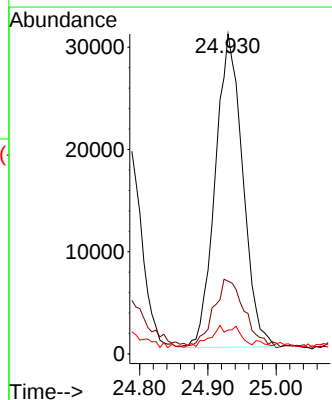
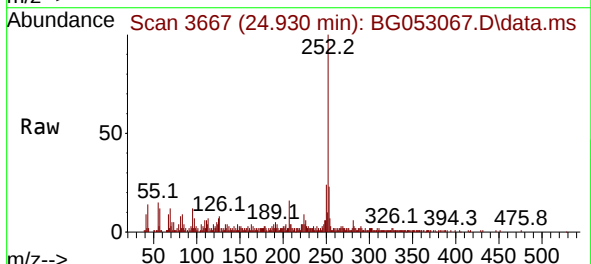
Instrument :
BNA_G
ClientSampleId :
OR-03-040522

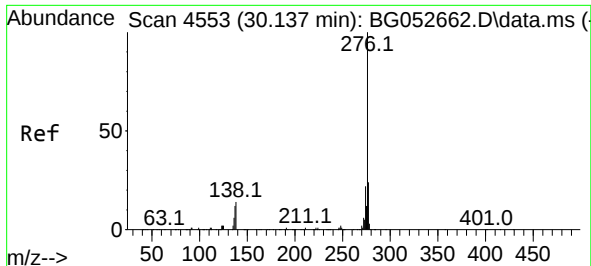
Tgt Ion:252 Resp: 105245
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 9.3 5.0 7.4#



#90
Benzo(a)pyrene
Concen: 8.014 ng
RT: 24.930 min Scan# 3667
Delta R.T. 0.001 min
Lab File: BG053067.D
Acq: 6 Apr 2022 22:59

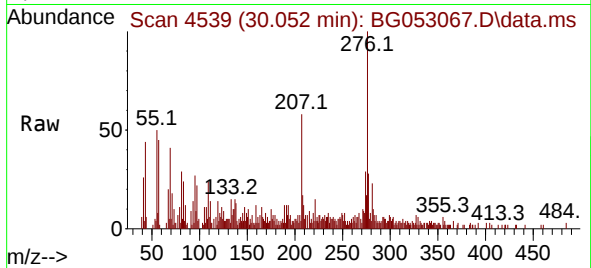
Tgt Ion:252 Resp: 85781
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 7.4 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 3.937 ng
 RT: 30.052 min Scan# 4
 Delta R.T. 0.001 min
 Lab File: BG053067.D
 Acq: 6 Apr 2022 22:59

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-040522



Tgt Ion:276 Resp: 44748

Ion	Ratio	Lower	Upper
276	100		
277	28.3	18.2	27.2#
138	12.6	9.1	13.7

