

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031022\
 Data File : BG052638.D
 Acq On : 10 Mar 2022 17:37
 Operator : CG/JU
 Sample : N1845-12RE 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-12RE

Quant Time: Mar 11 03:45:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 06:37:54 2022
 Response via : Initial Calibration

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

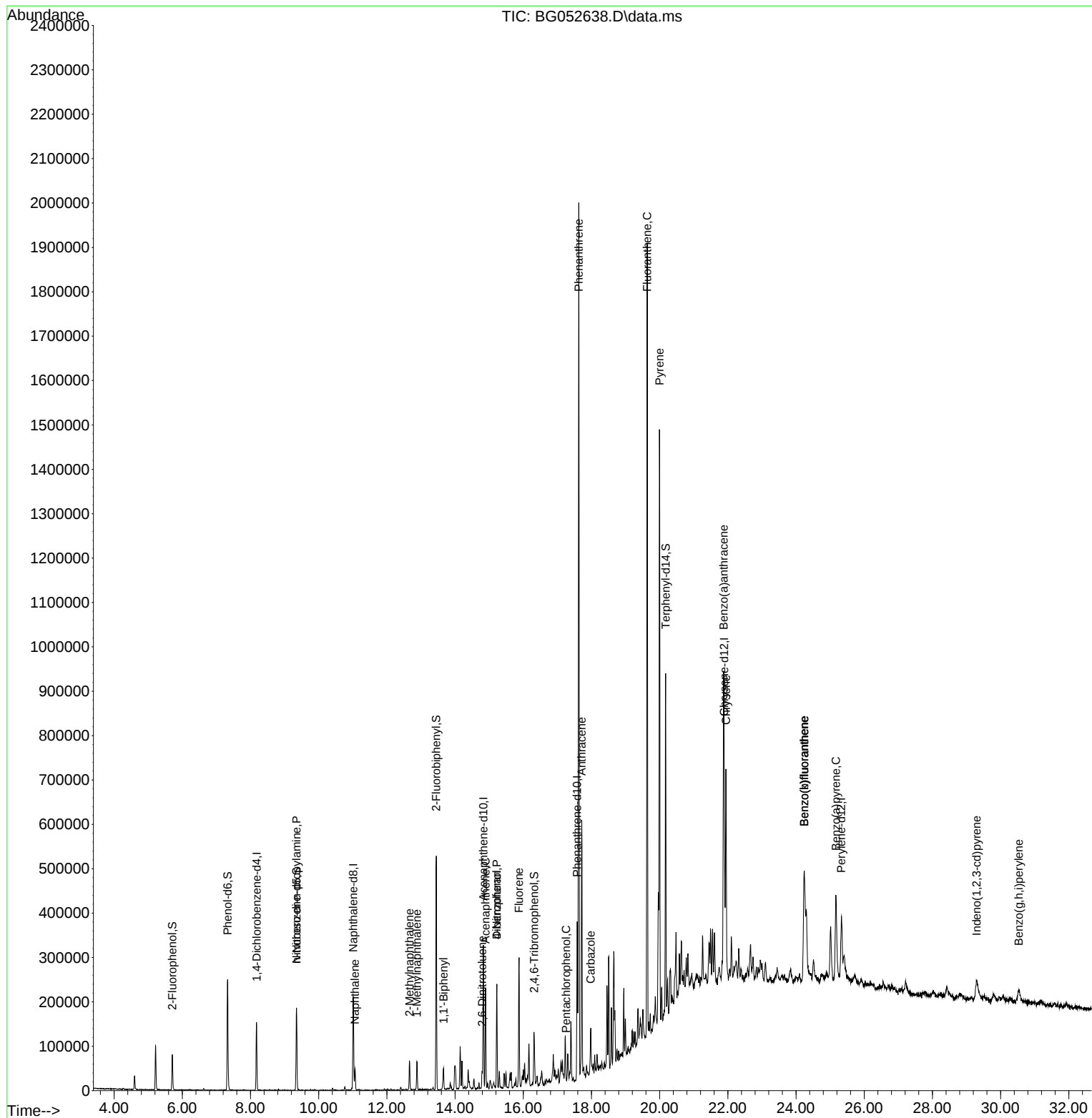
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.181	152	44708	20.000	ng	0.00
21) Naphthalene-d8	11.012	136	187705	20.000	ng	0.00
39) Acenaphthene-d10	14.831	164	117900	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	229147	20.000	ng	0.00
76) Chrysene-d12	21.892	240	194618	20.000	ng	0.00
86) Perylene-d12	25.328	264	167130	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.708	112	38260	14.784	ng	0.00
7) Phenol-d6	7.329	99	155377	41.483	ng	0.00
23) Nitrobenzene-d5	9.350	82	121654	29.380	ng	0.00
42) 2,4,6-Tribromophenol	16.323	330	4361	2.608	ng	0.00
45) 2-Fluorobiphenyl	13.450	172	286162	32.761	ng	0.00
79) Terphenyl-d14	20.177	244	362846	32.991	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.350	70	16959	6.691	ng	# 73
31) Naphthalene	11.065	128	40427	4.093	ng	# 96
37) 2-Methylnaphthalene	12.663	142	31801	4.456	ng	99
38) 1-Methylnaphthalene	12.881	142	31126	4.442	ng	99
46) 1,1'-Biphenyl	13.662	154	25934	2.941	ng	100
51) 2,6-Dinitrotoluene	14.796	165	4827	2.466	ng	# 40
52) Acenaphthene	14.895	154	83348	12.654	ng	99
55) Dibenzofuran	15.224	168	136342	12.207	ng	98
56) 4-Nitrophenol	15.224	139	51691	36.787	ng	# 2
58) Fluorene	15.877	166	128930	14.213	ng	98
70) Pentachlorophenol	17.257	266	55	5.782	ng	# 23
71) Phenanthrene	17.627	178	1227711	102.117	ng	98
72) Anthracene	17.715	178	385999	32.794	ng	98
73) Carbazole	17.980	167	64868	5.631	ng	96
75) Fluoranthene	19.636	202	1112083	74.080	ng	97
78) Pyrene	19.994	202	899832	69.172	ng	99
81) Benzo(a)anthracene	21.874	228	453061	34.746	ng	97
83) Chrysene	21.945	228	367875	30.174	ng	96
87) Indeno(1,2,3-cd)pyrene	29.300	276	93776	7.830	ng	# 78
88) Benzo(b)fluoranthene	24.242	252	374797	36.322	ng	95
89) Benzo(k)fluoranthene	24.242	252	374797	36.116	ng	95
90) Benzo(a)pyrene	25.170	252	295967	33.899	ng	99
92) Benzo(g,h,i)perylene	30.533	276	75994	7.834	ng	# 85

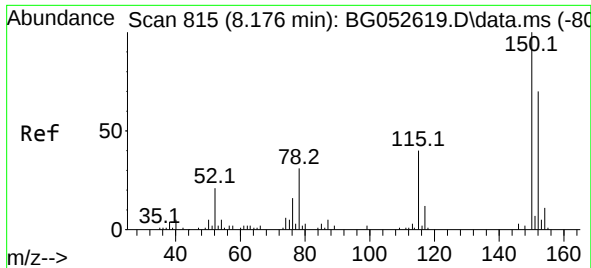
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BG052638.D
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BNA_G
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Quant Time: Mar 11 03:45:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 10 06:37:54 2022
Response via : Initial Calibration

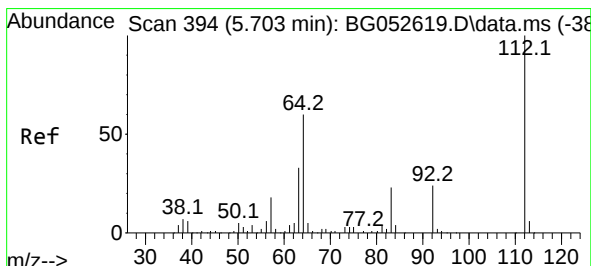
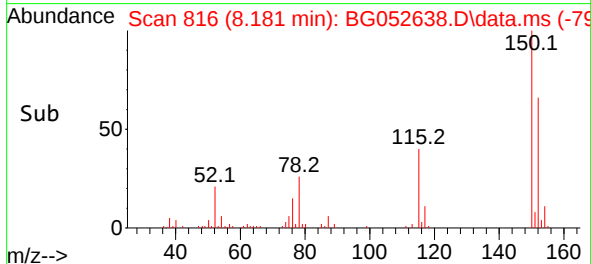
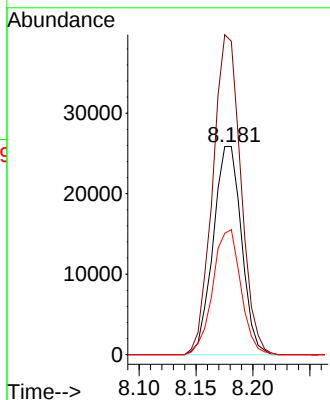
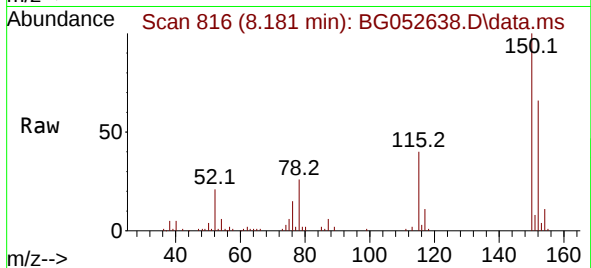




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.181 min Scan# 815
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

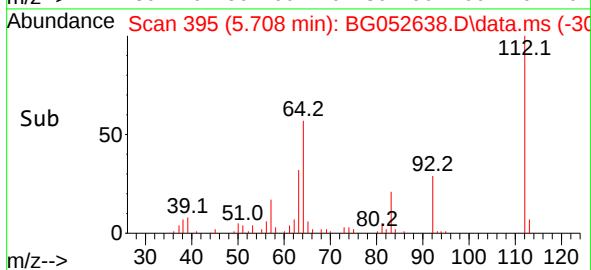
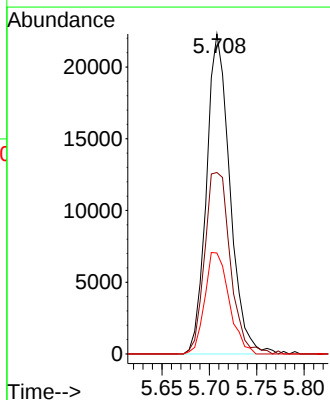
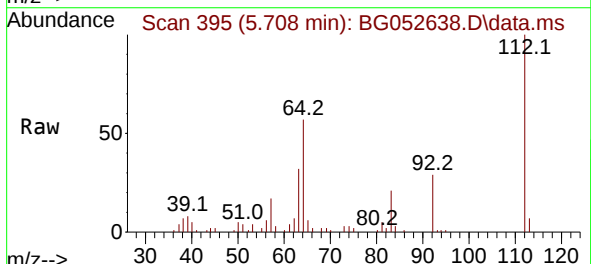
Instrument :
BNA_G
ClientSampleId :
SAMPLE-12RE

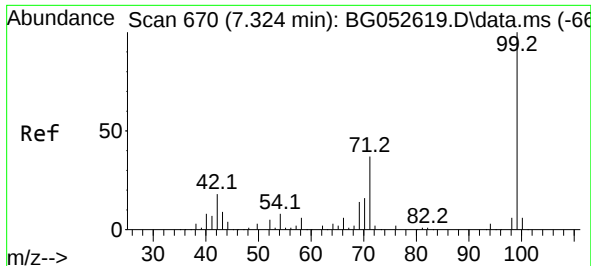
Tgt Ion:152 Resp: 44708
Ion Ratio Lower Upper
152 100
150 150.5 114.6 172.0
115 60.1 45.9 68.9



#5
2-Fluorophenol
Concen: 14.784 ng
RT: 5.708 min Scan# 395
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion:112 Resp: 38260
Ion Ratio Lower Upper
112 100
64 56.7 48.0 72.0
63 31.5 26.5 39.7

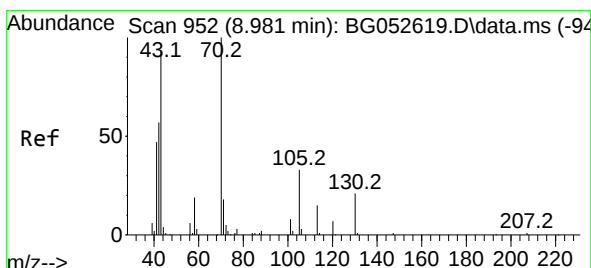
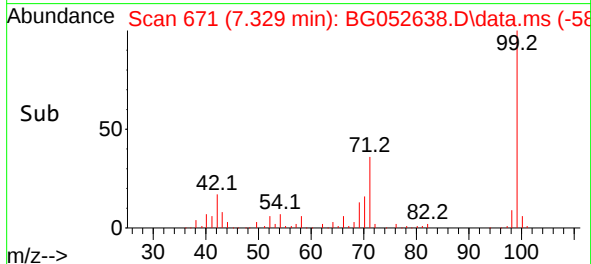
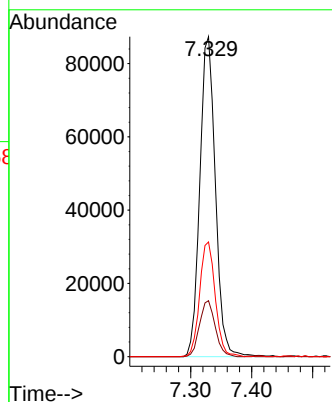
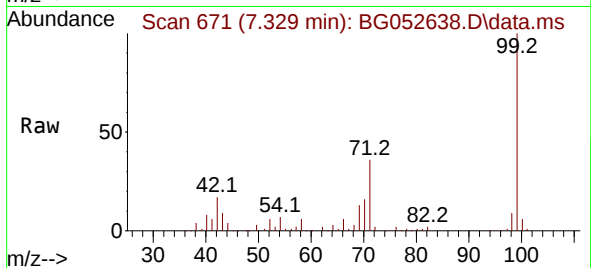




#7
Phenol-d6
Concen: 41.483 ng
RT: 7.329 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

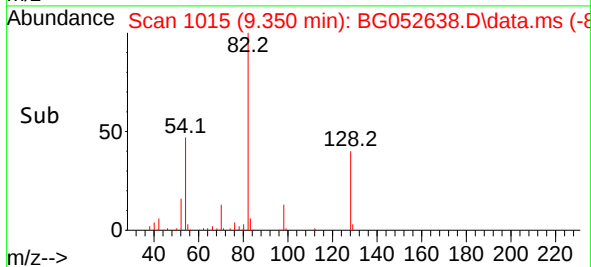
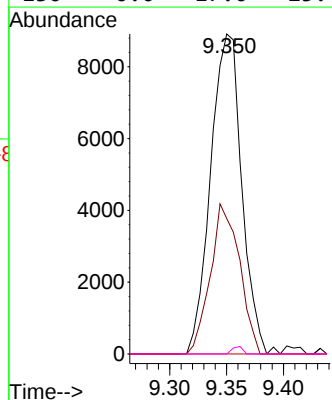
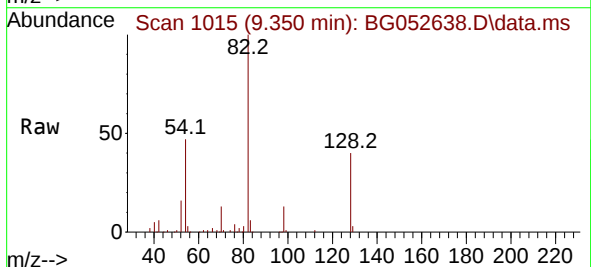
Instrument :
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ClientSampleId :
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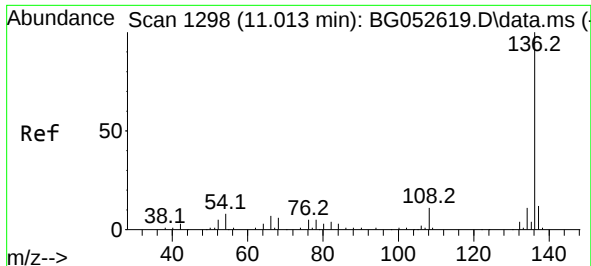
Tgt Ion: 99 Resp: 155377
Ion Ratio Lower Upper
99 100
42 17.5 14.7 22.1
71 35.8 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 6.691 ng
RT: 9.350 min Scan# 1015
Delta R.T. 0.369 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion: 70 Resp: 16959
Ion Ratio Lower Upper
70 100
42 42.3 46.0 69.0#
101 0.0 6.2 9.4#
130 0.0 17.0 25.4#

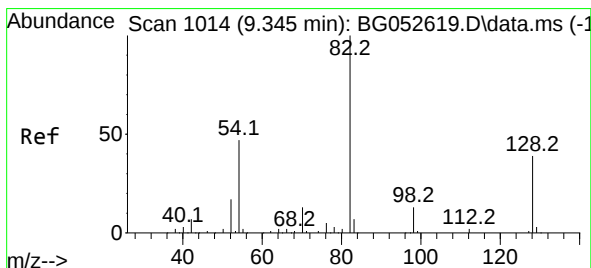
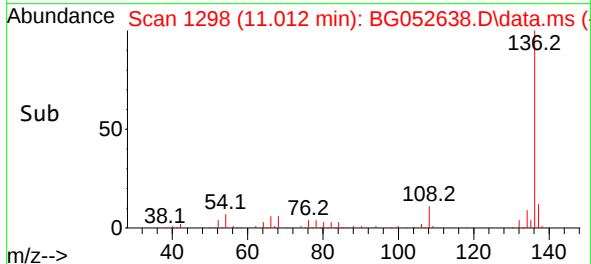
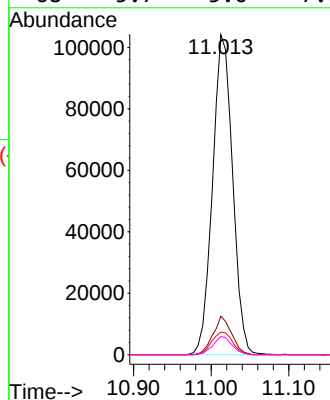
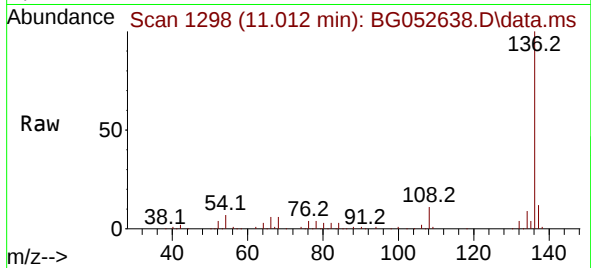




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.012 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

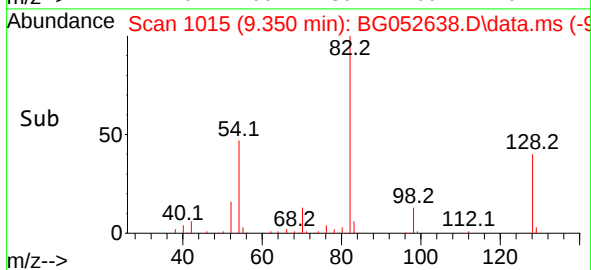
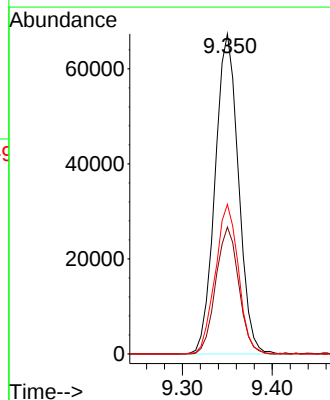
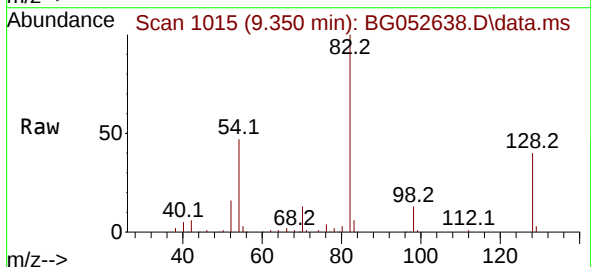
Instrument :
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ClientSampleId :
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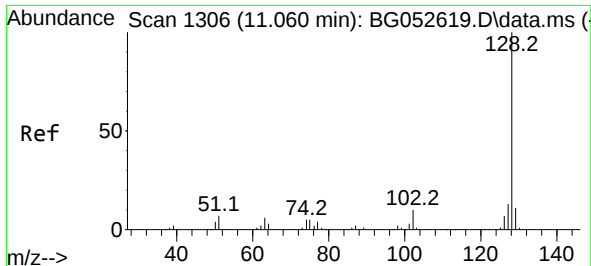
Tgt Ion:	136	Resp:	187705
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.4	14.2
54	7.0	6.4	9.6
68	5.7	5.0	7.6



#23
Nitrobenzene-d5
Concen: 29.380 ng
RT: 9.350 min Scan# 1015
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion:	82	Resp:	121654
Ion	Ratio	Lower	Upper
82	100		
128	39.7	31.3	46.9
54	46.7	37.8	56.8

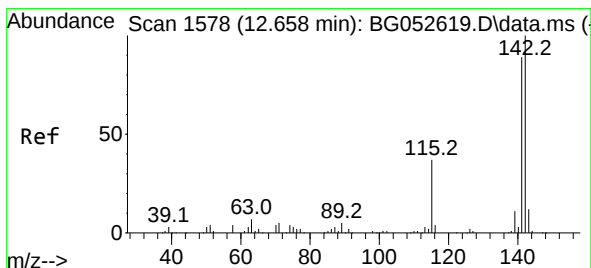
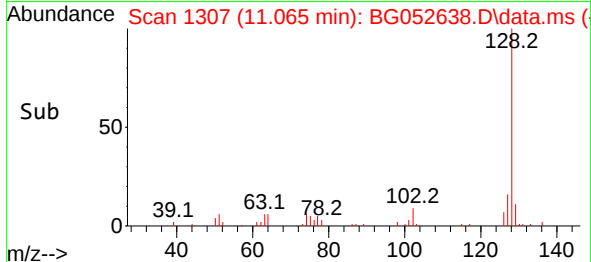
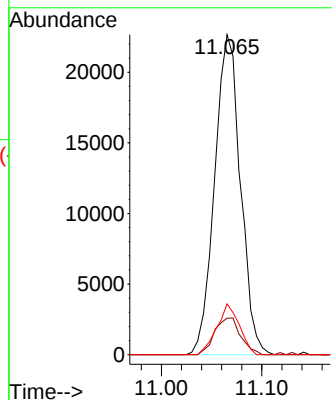
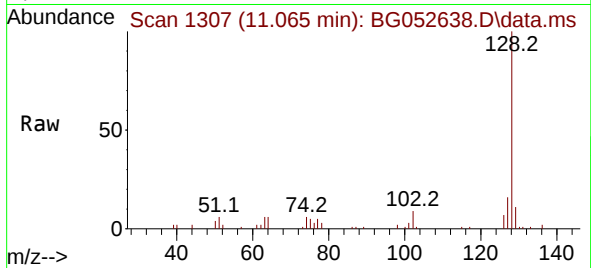




#31
Naphthalene
Concen: 4.093 ng
RT: 11.065 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

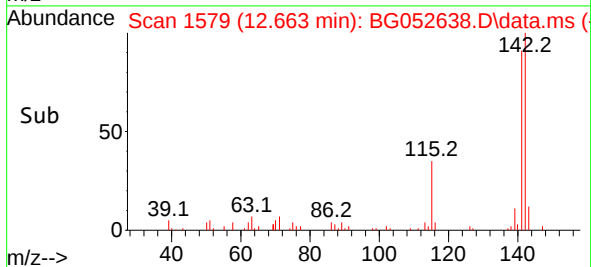
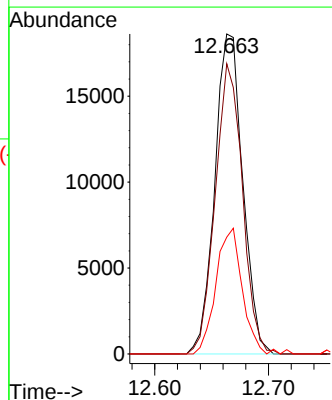
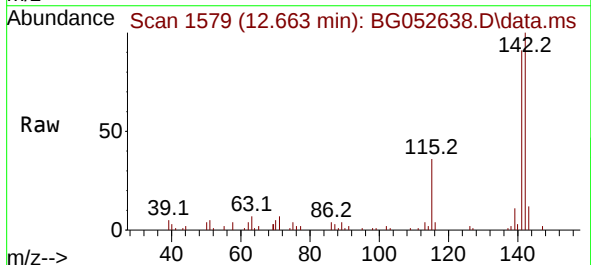
Instrument :
BNA_G
ClientSampleId :
SAMPLE-12RE

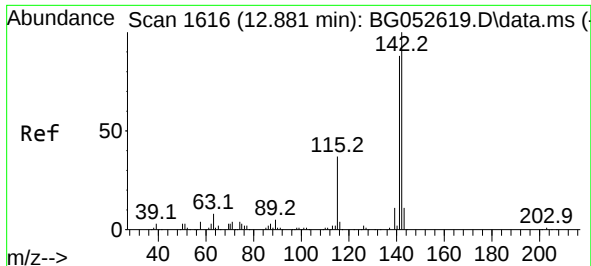
Tgt Ion:128 Resp: 40427
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 15.9 10.5 15.7#



#37
2-Methylnaphthalene
Concen: 4.456 ng
RT: 12.663 min Scan# 1579
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion:142 Resp: 31801
Ion Ratio Lower Upper
142 100
141 90.7 71.3 106.9
115 36.5 29.5 44.3

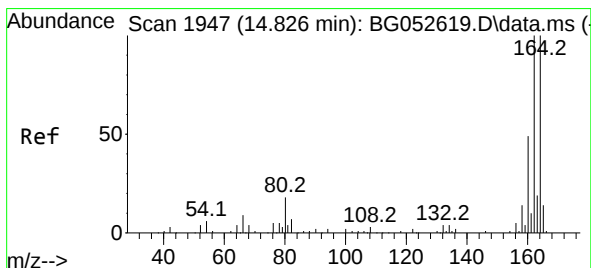
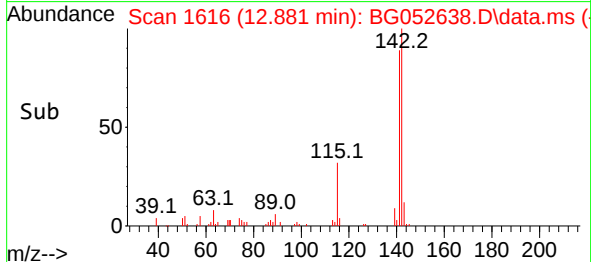
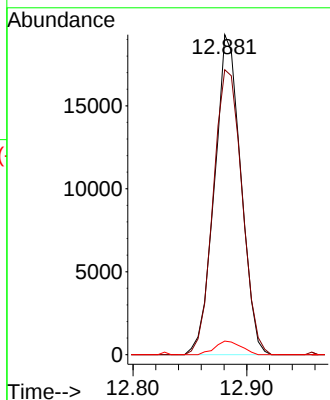
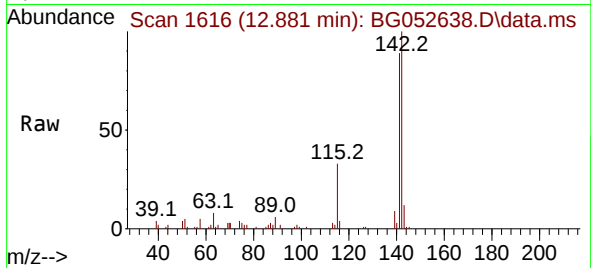




#38
1-Methylnaphthalene
Concen: 4.442 ng
RT: 12.881 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

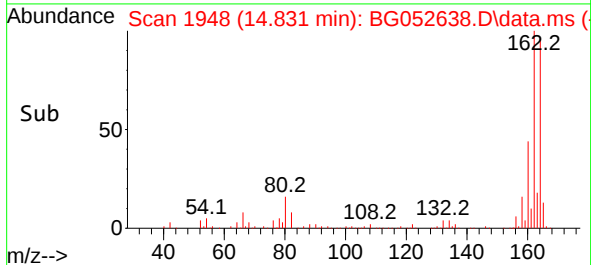
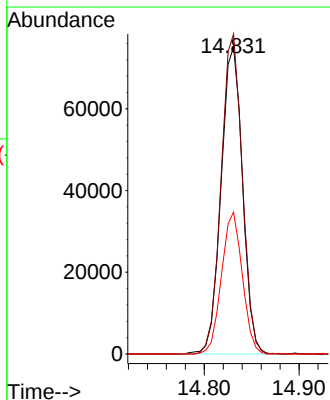
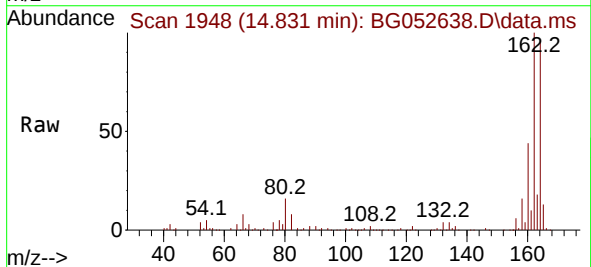
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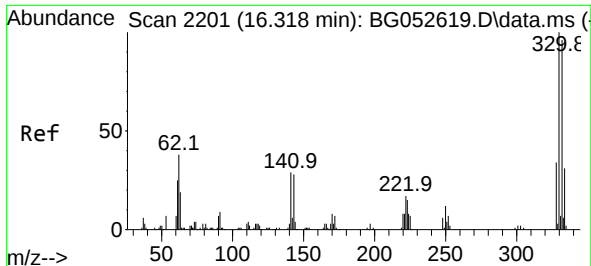
Tgt Ion:142 Resp: 31126
Ion Ratio Lower Upper
142 100
141 89.1 70.5 105.7
116 4.3 3.1 4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.831 min Scan# 1948
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion:164 Resp: 117900
Ion Ratio Lower Upper
164 100
162 104.2 80.0 120.0
160 46.2 38.8 58.2

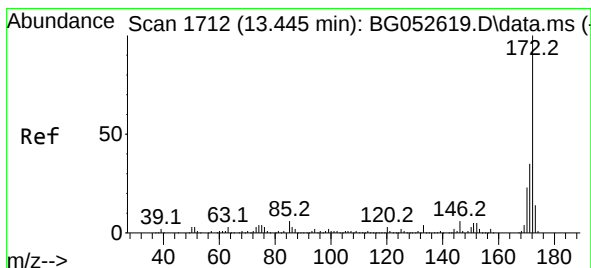
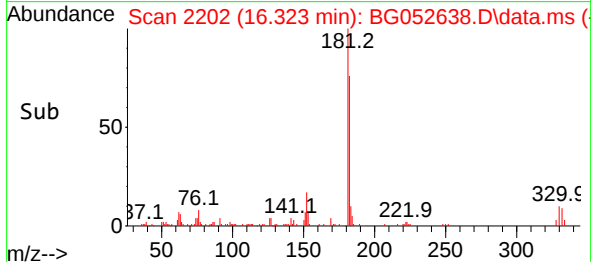
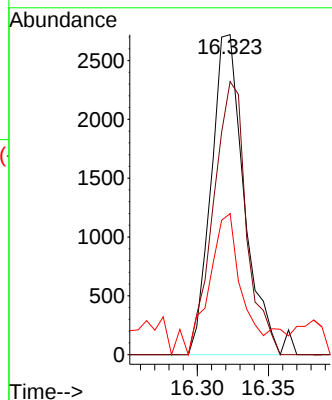
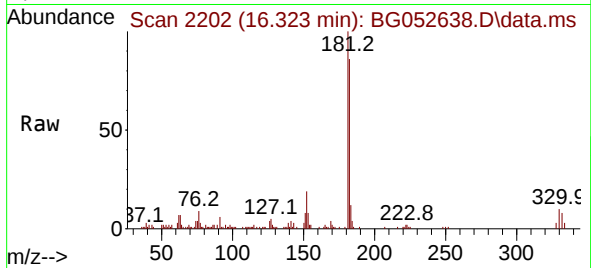




#42
2,4,6-Tribromophenol
Concen: 2.608 ng
RT: 16.323 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

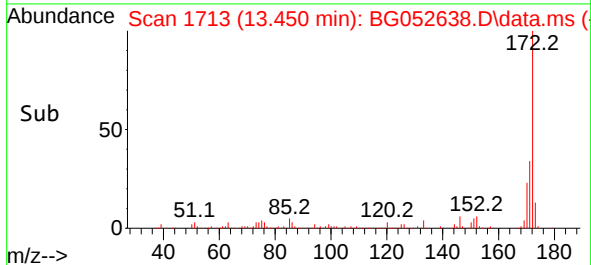
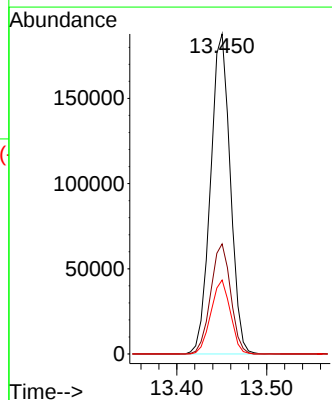
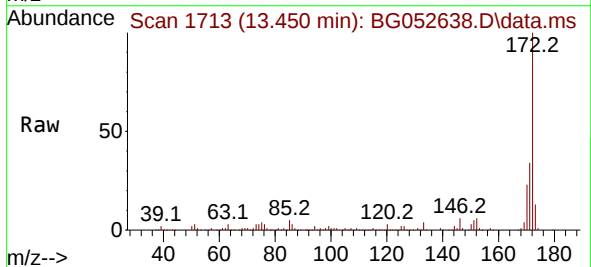
Instrument :
BNA_G
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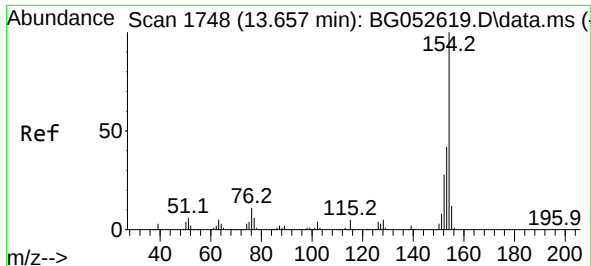
Tgt Ion:330 Resp: 4361
Ion Ratio Lower Upper
330 100
332 86.1 75.8 113.6
141 42.7 24.6 36.8#



#45
2-Fluorobiphenyl
Concen: 32.761 ng
RT: 13.450 min Scan# 1713
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion:172 Resp: 286162
Ion Ratio Lower Upper
172 100
171 34.4 28.3 42.5
170 23.1 18.0 27.0

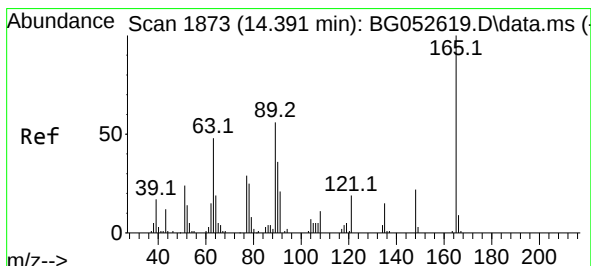
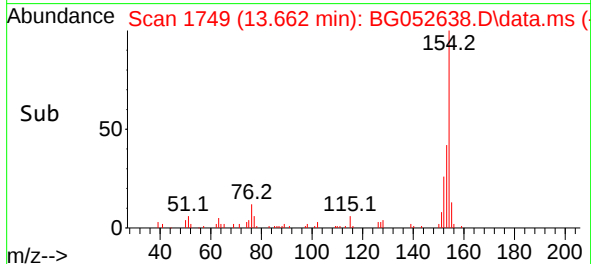
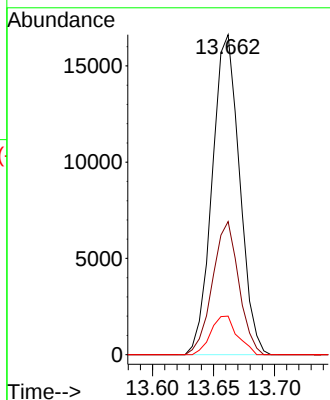
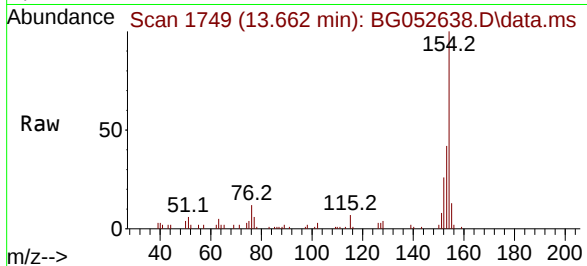




#46
1,1'-Biphenyl
Concen: 2.941 ng
RT: 13.662 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

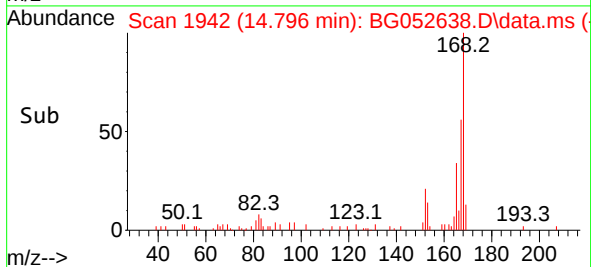
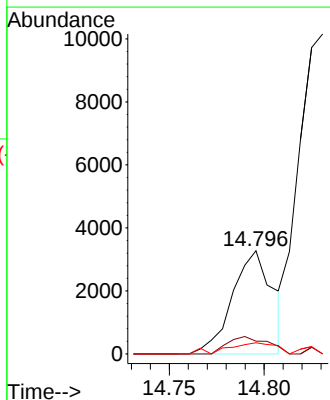
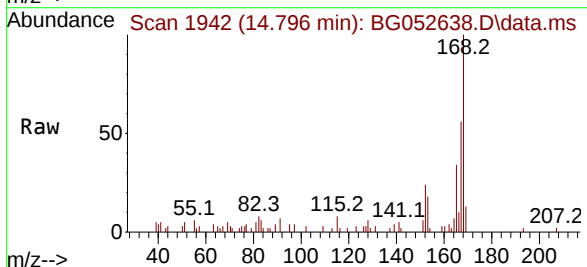
Instrument :
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ClientSampleId :
SAMPLE-12RE

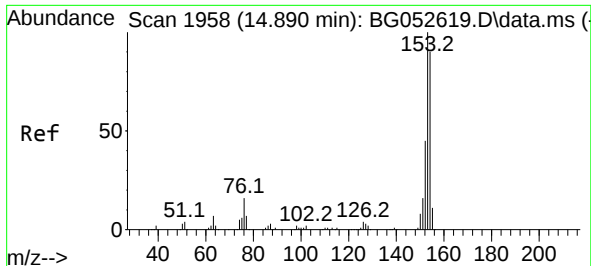
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Ion Ratio Lower Upper
154 100
153 41.6 21.6 61.6
76 12.0 0.0 31.5



#51
2,6-Dinitrotoluene
Concen: 2.466 ng
RT: 14.796 min Scan# 1942
Delta R.T. 0.404 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion:165 Resp: 4827
Ion Ratio Lower Upper
165 100
63 12.4 43.7 65.5#
89 10.8 45.0 67.4#

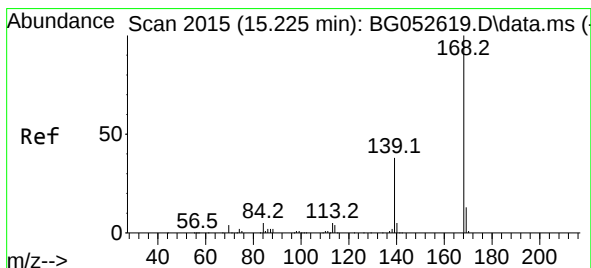
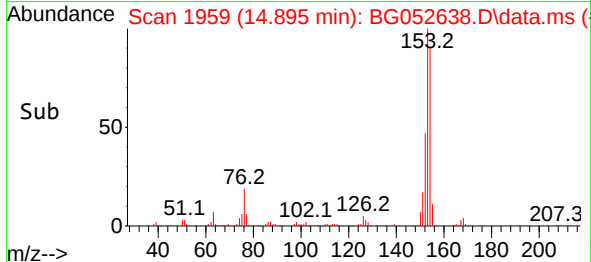
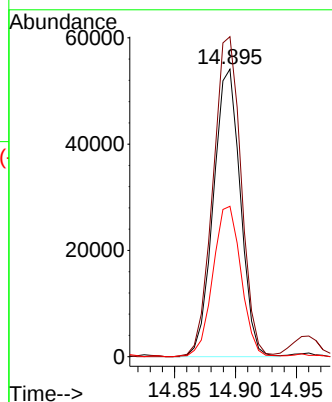
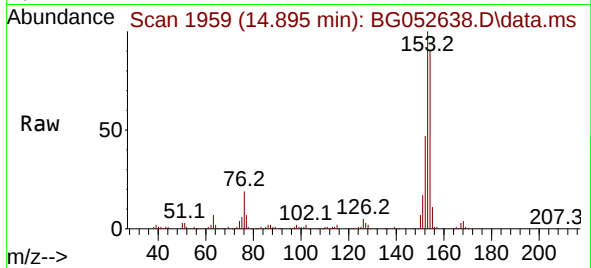




#52
Acenaphthene
Concen: 12.654 ng
RT: 14.895 min Scan# 1958
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

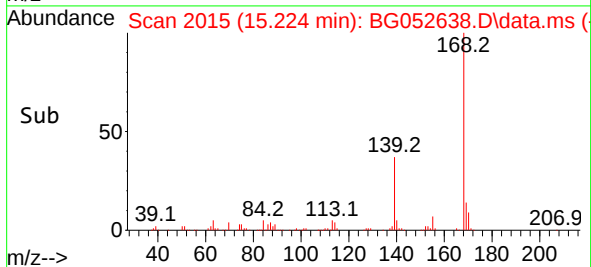
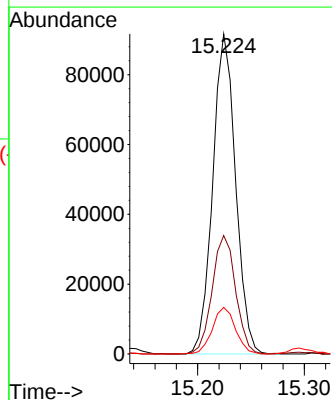
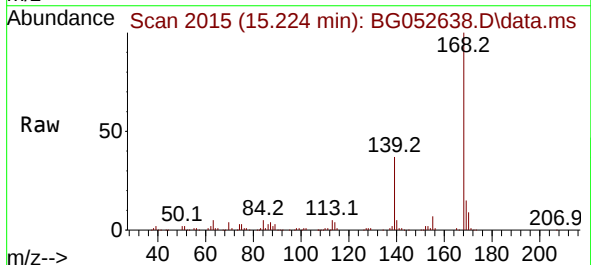
Instrument :
BNA_G
ClientSampleId :
SAMPLE-12RE

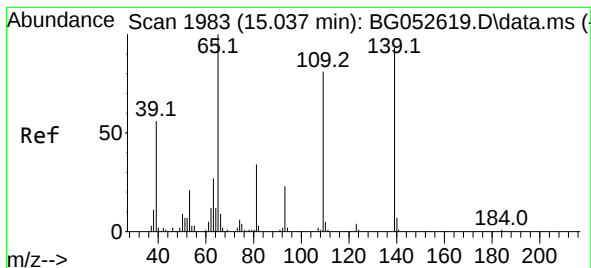
Tgt Ion:154 Resp: 83348
Ion Ratio Lower Upper
154 100
153 111.3 89.0 133.4
152 52.3 40.5 60.7



#55
Dibenzofuran
Concen: 12.207 ng
RT: 15.224 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion:168 Resp: 136342
Ion Ratio Lower Upper
168 100
139 37.0 30.2 45.4
169 14.5 10.7 16.1

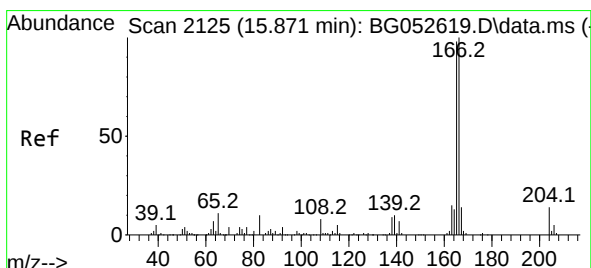
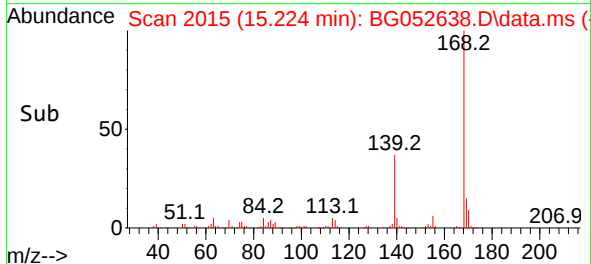
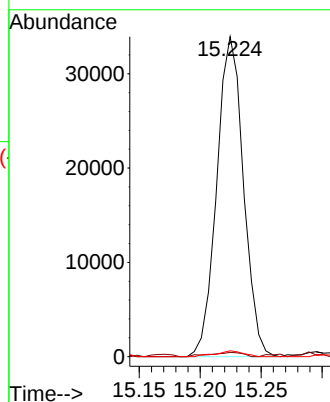
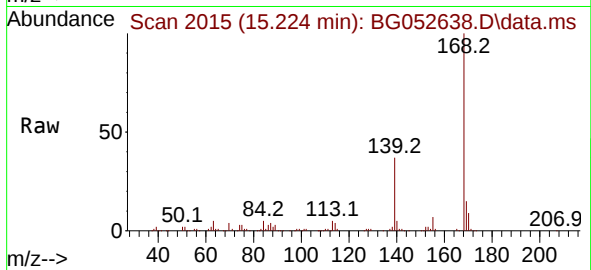




#56
4-Nitrophenol
Concen: 36.787 ng
RT: 15.224 min Scan# 2015
Delta R.T. 0.187 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

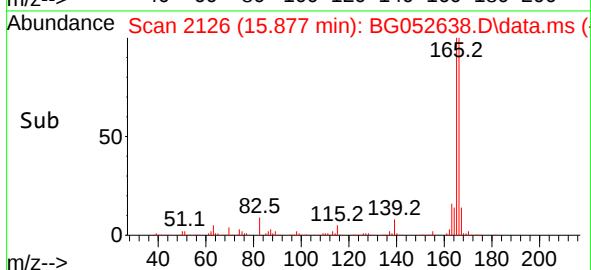
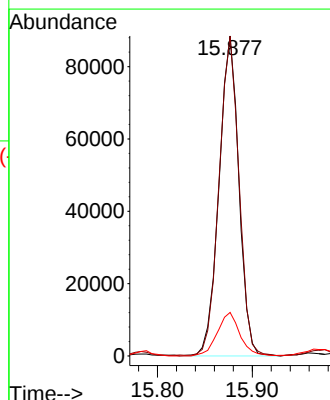
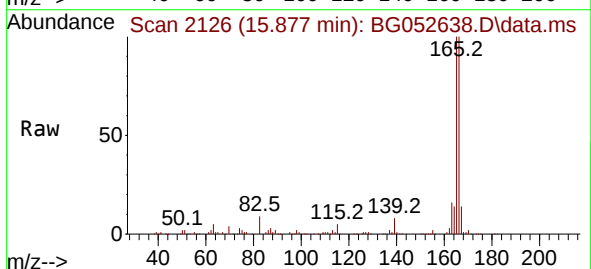
Instrument :
BNA_G
ClientSampleId :
SAMPLE-12RE

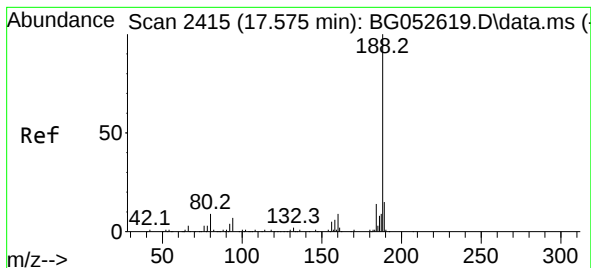
Tgt Ion:139 Resp: 51691
Ion Ratio Lower Upper
139 100
109 1.3 67.1 107.1#
65 1.9 88.2 128.2#



#58
Fluorene
Concen: 14.213 ng
RT: 15.877 min Scan# 2126
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion:166 Resp: 128930
Ion Ratio Lower Upper
166 100
165 99.9 78.6 117.8
167 13.6 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.580 min Scan# 2415

Delta R.T. 0.005 min

Lab File: BG052638.D

Acq: 10 Mar 2022 17:37

Instrument :

BNA_G

ClientSampleId :

SAMPLE-12RE

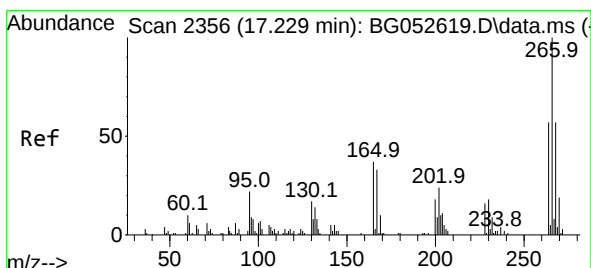
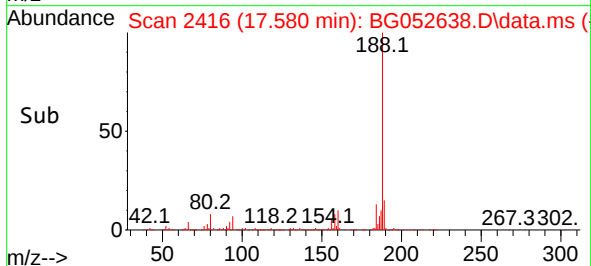
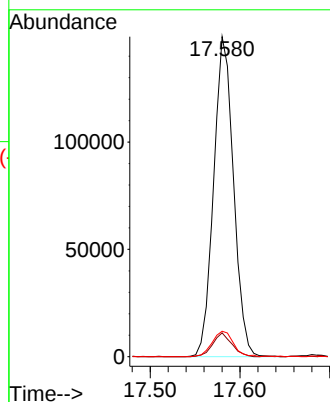
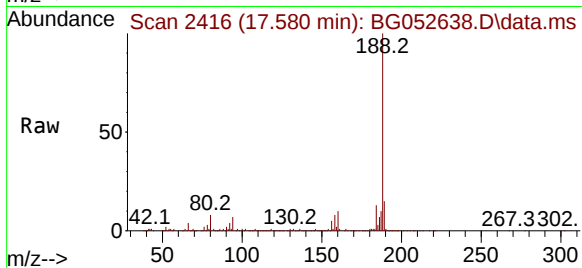
Tgt Ion:188 Resp: 229147

Ion Ratio Lower Upper

188 100

94 7.5 5.7 8.5

80 8.0 7.2 10.8



#70

Pentachlorophenol

Concen: 5.782 ng

RT: 17.257 min Scan# 2361

Delta R.T. 0.028 min

Lab File: BG052638.D

Acq: 10 Mar 2022 17:37

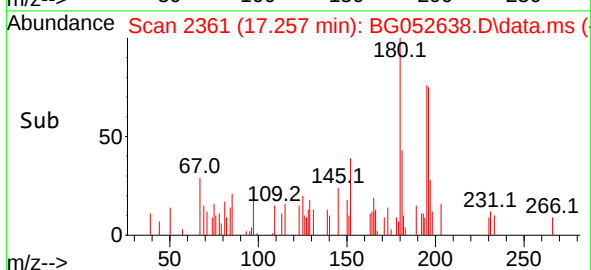
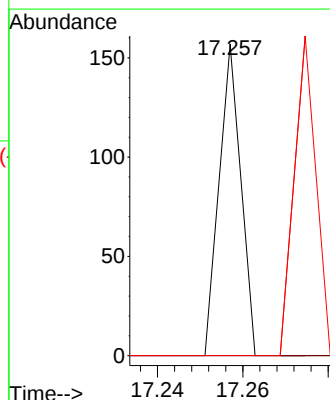
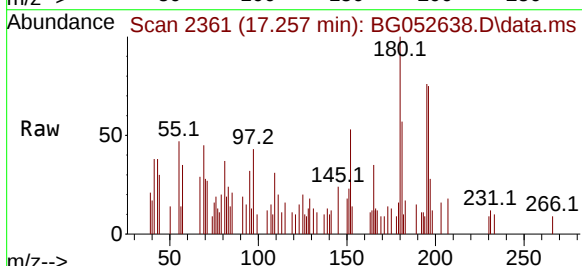
Tgt Ion:266 Resp: 55

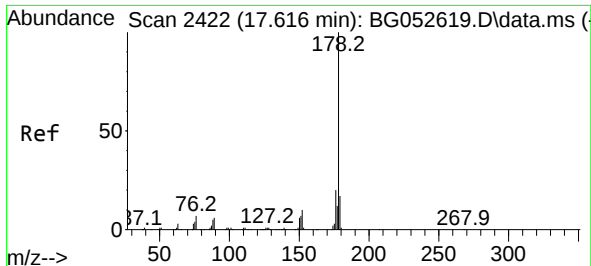
Ion Ratio Lower Upper

266 100

268 0.0 45.9 68.9#

264 0.0 45.3 67.9#

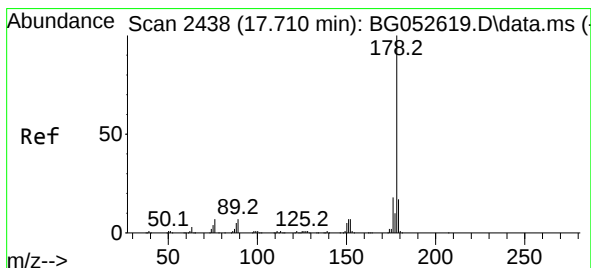
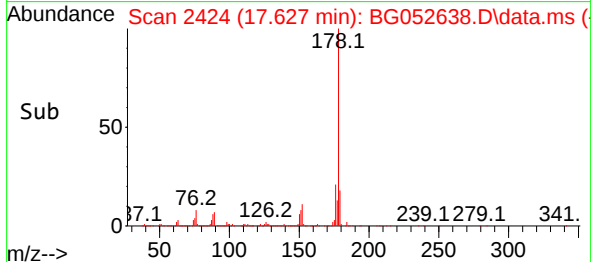
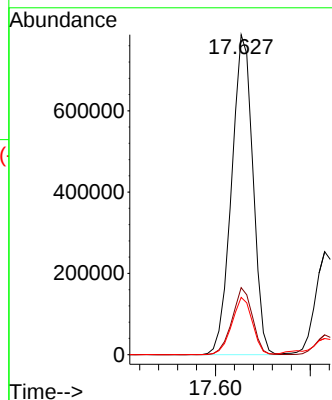
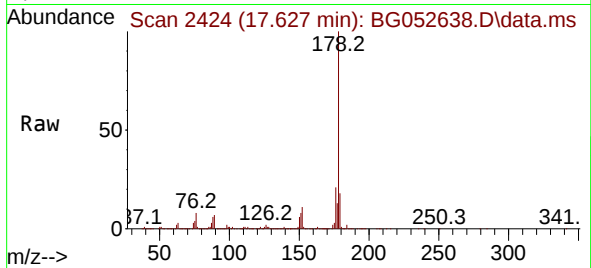




#71
Phenanthrene
Concen: 102.117 ng
RT: 17.627 min Scan# 2422
Delta R.T. 0.011 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

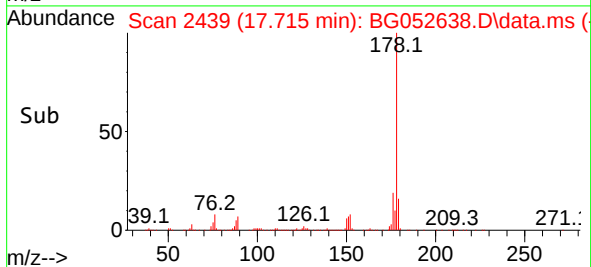
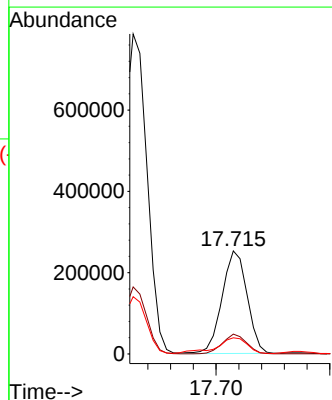
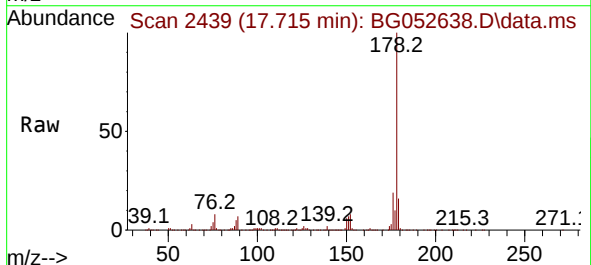
Instrument :
BNA_G
ClientSampleId :
SAMPLE-12RE

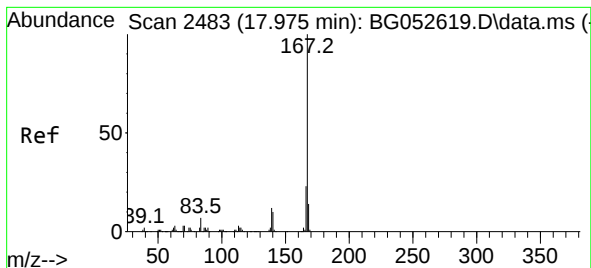
Tgt Ion:178 Resp: 1227711
Ion Ratio Lower Upper
178 100
176 20.9 15.9 23.9
179 17.9 13.4 20.2



#72
Anthracene
Concen: 32.794 ng
RT: 17.715 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion:178 Resp: 385999
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.7 13.2 19.8





#73

Carbazole

Concen: 5.631 ng

RT: 17.980 min Scan# 2483

Delta R.T. 0.005 min

Lab File: BG052638.D

Acq: 10 Mar 2022 17:37

Instrument :

BNA_G

ClientSampleId :

SAMPLE-12RE

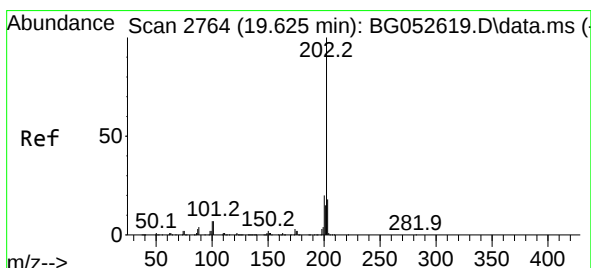
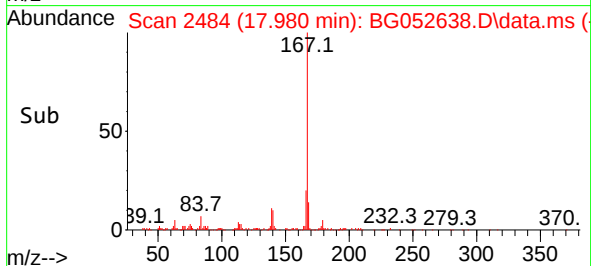
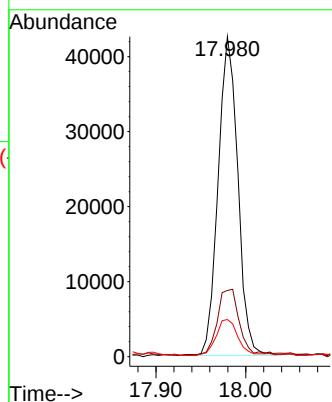
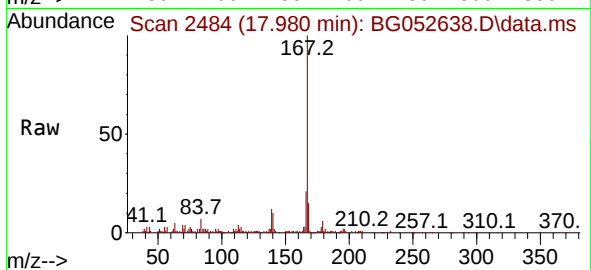
Tgt Ion:167 Resp: 64868

Ion Ratio Lower Upper

167 100

166 20.7 18.5 27.7

139 11.6 10.0 15.0



#75

Fluoranthene

Concen: 74.080 ng

RT: 19.636 min Scan# 2766

Delta R.T. 0.011 min

Lab File: BG052638.D

Acq: 10 Mar 2022 17:37

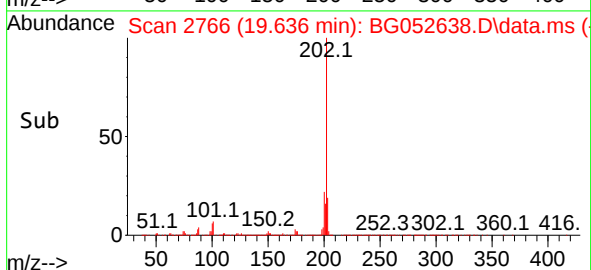
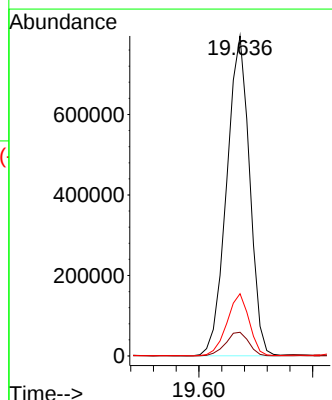
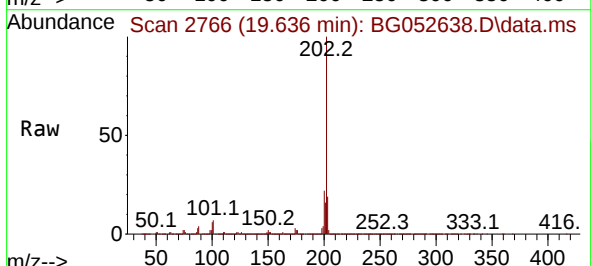
Tgt Ion:202 Resp: 1112083

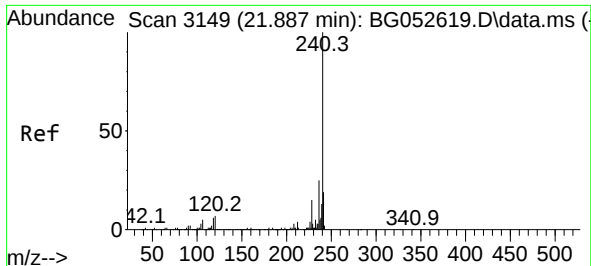
Ion Ratio Lower Upper

202 100

101 7.4 0.0 27.3

203 19.5 0.0 37.7

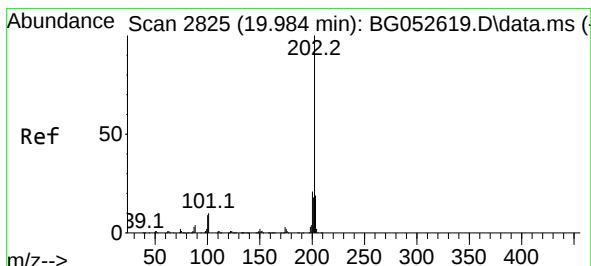
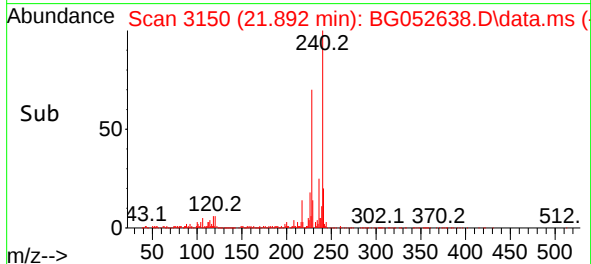
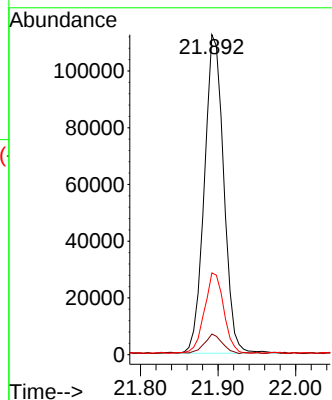
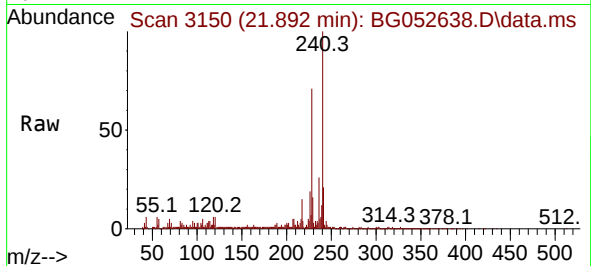




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.892 min Scan# 3149
Delta R.T. 0.005 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

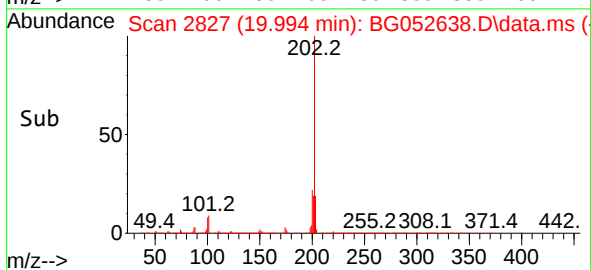
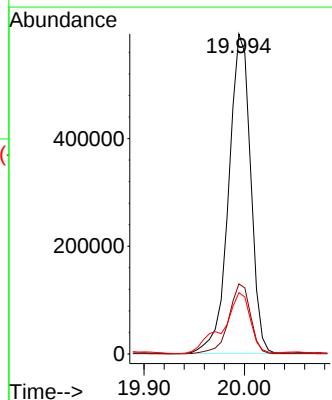
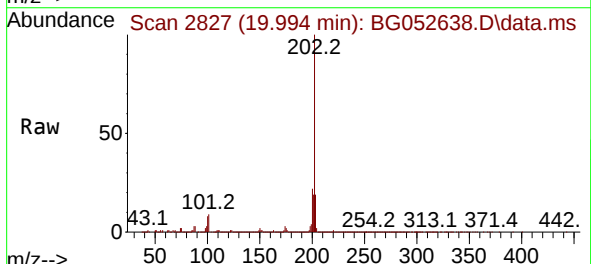
Instrument :
BNA_G
ClientSampleId :
SAMPLE-12RE

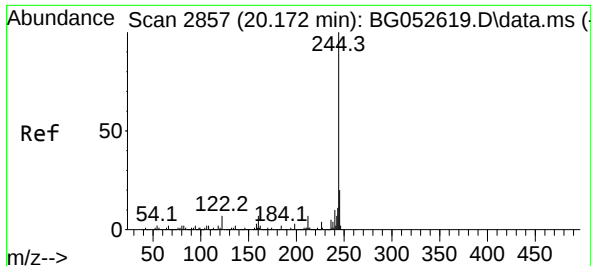
Tgt Ion:240 Resp: 194618
Ion Ratio Lower Upper
240 100
120 6.4 5.4 8.0
236 25.5 19.8 29.6



#78
Pyrene
Concen: 69.172 ng
RT: 19.994 min Scan# 2827
Delta R.T. 0.011 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion:202 Resp: 899832
Ion Ratio Lower Upper
202 100
200 21.9 17.0 25.6
203 19.2 15.0 22.6

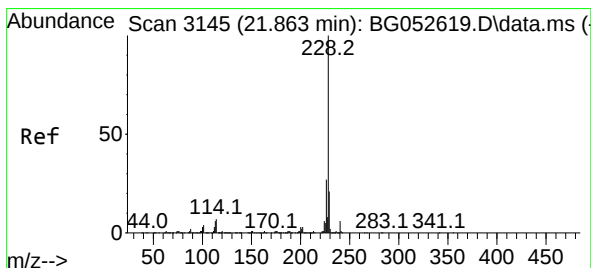
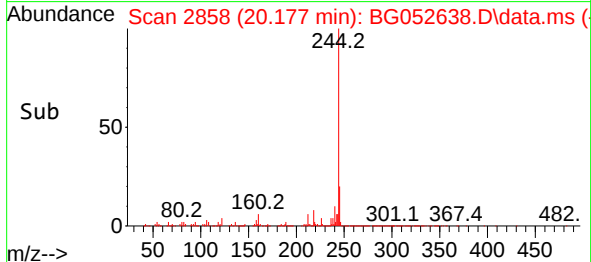
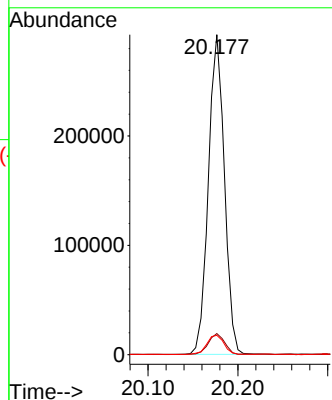
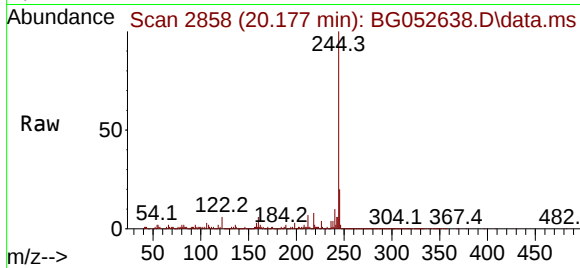




#79
 Terphenyl-d14
 Concen: 32.991 ng
 RT: 20.177 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG052638.D
 Acq: 10 Mar 2022 17:37

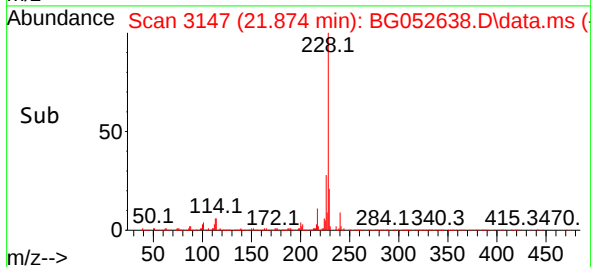
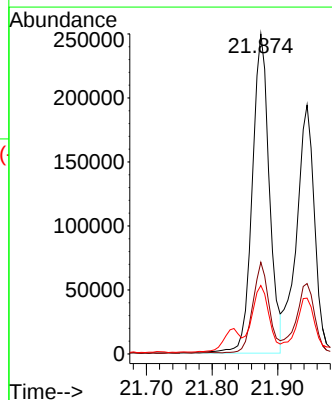
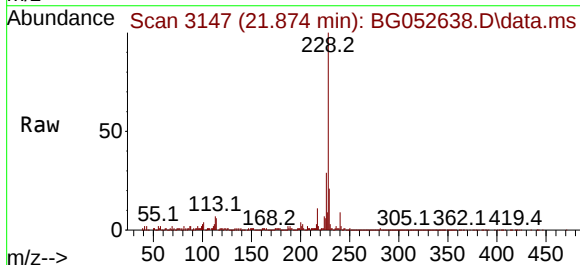
Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-12RE

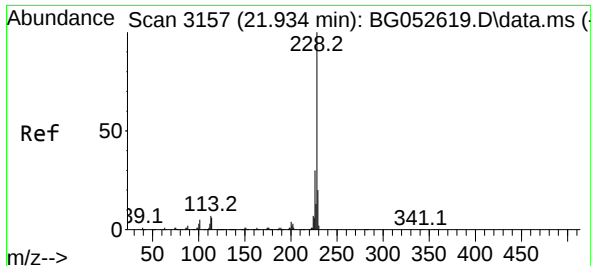
Tgt Ion:244 Resp: 362846
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 6.0 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 34.746 ng
 RT: 21.874 min Scan# 3147
 Delta R.T. 0.011 min
 Lab File: BG052638.D
 Acq: 10 Mar 2022 17:37

Tgt Ion:228 Resp: 453061
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.4 32.0
 229 21.4 16.7 25.1

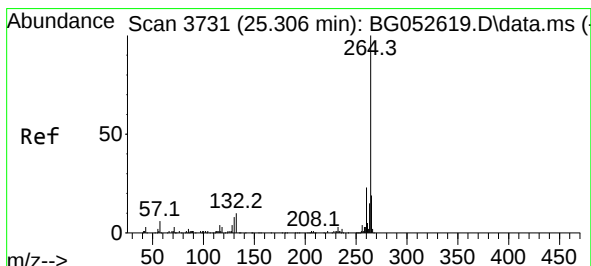
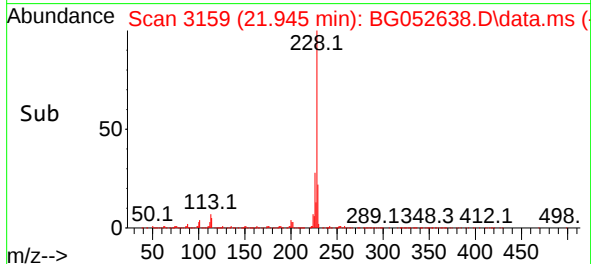
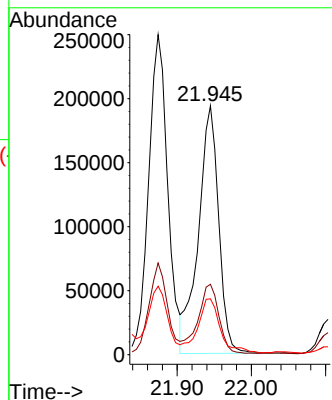
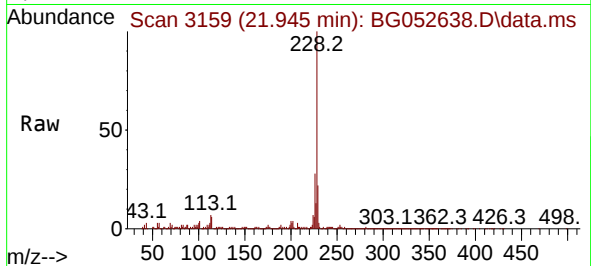




#83
Chrysene
Concen: 30.174 ng
RT: 21.945 min Scan# 3157
Delta R.T. 0.011 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

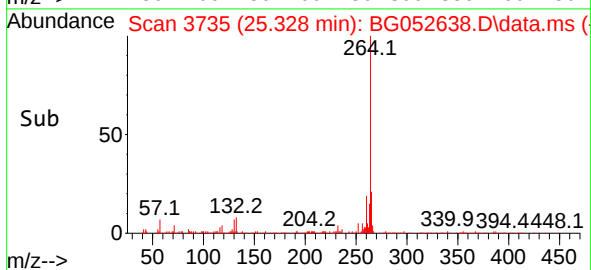
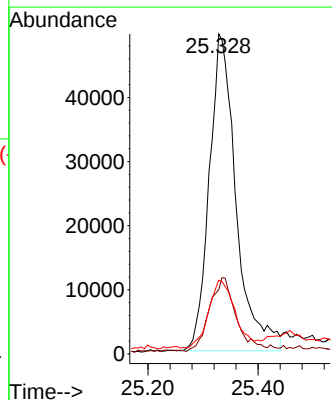
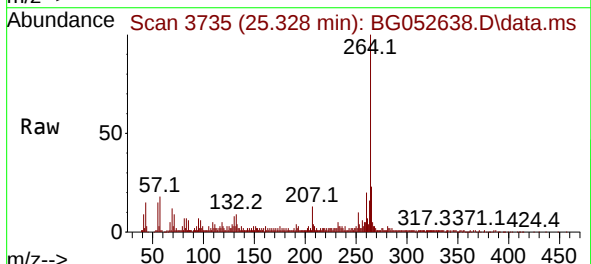
Instrument :
BNA_G
ClientSampleId :
SAMPLE-12RE

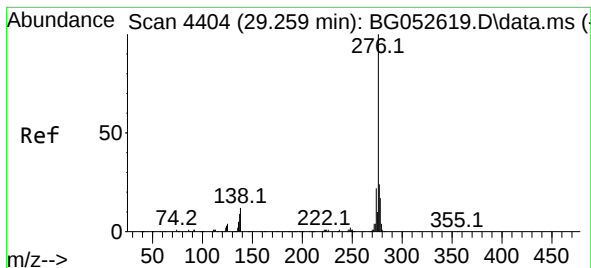
Tgt Ion:228 Resp: 367875
Ion Ratio Lower Upper
228 100
226 28.3 24.2 36.4
229 22.4 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.328 min Scan# 3735
Delta R.T. 0.023 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

Tgt Ion:264 Resp: 167130
Ion Ratio Lower Upper
264 100
260 20.1 18.2 27.2
265 23.0 15.1 22.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.830 ng

RT: 29.300 min Scan# 4404

Delta R.T. 0.040 min

Lab File: BG052638.D

Acq: 10 Mar 2022 17:37

Instrument :

BNA_G

ClientSampleId :

SAMPLE-12RE

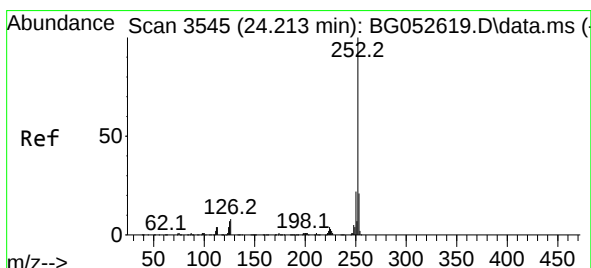
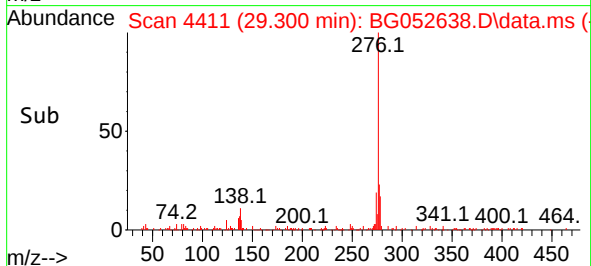
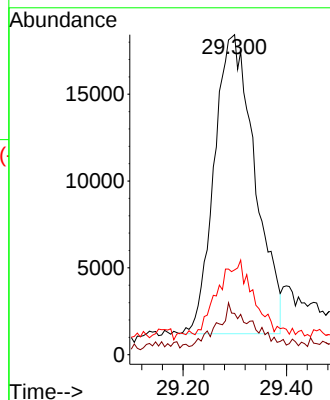
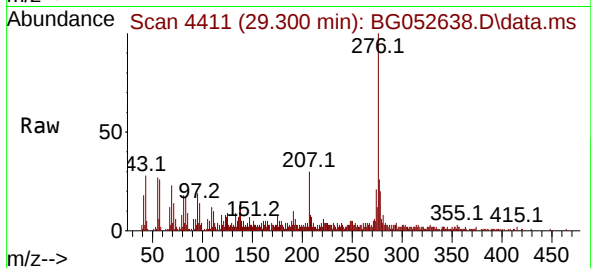
Tgt Ion:276 Resp: 93776

Ion Ratio Lower Upper

276 100

138 10.1 8.7 13.1

277 9.6 20.2 30.4#



#88

Benzo(b)fluoranthene

Concen: 36.322 ng

RT: 24.242 min Scan# 3550

Delta R.T. 0.029 min

Lab File: BG052638.D

Acq: 10 Mar 2022 17:37

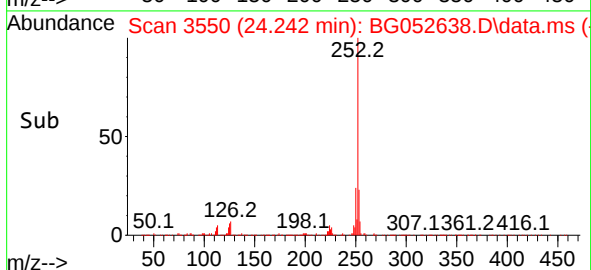
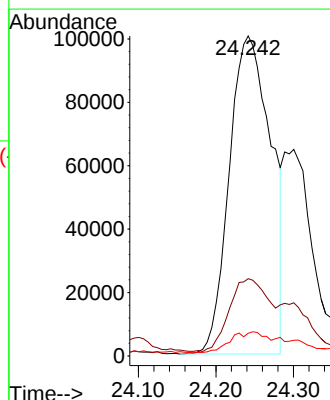
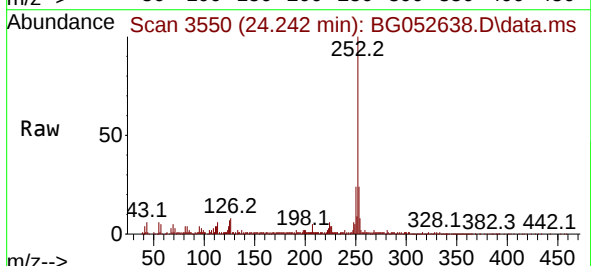
Tgt Ion:252 Resp: 374797

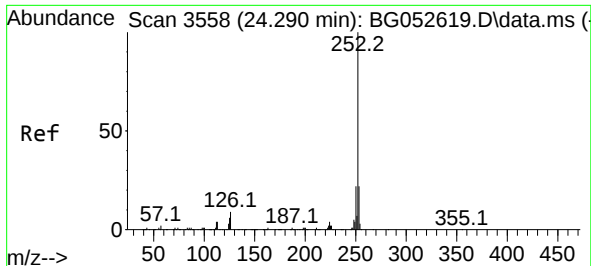
Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

125 7.1 5.2 7.8

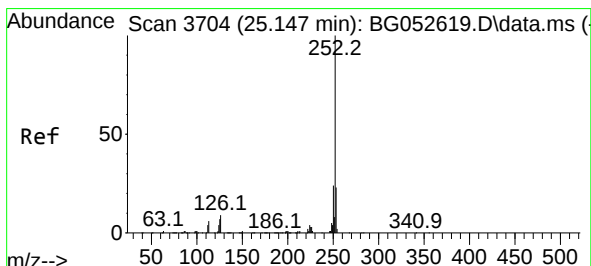
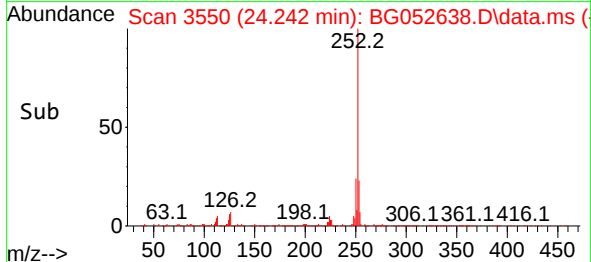
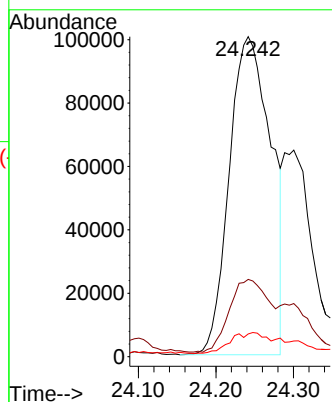
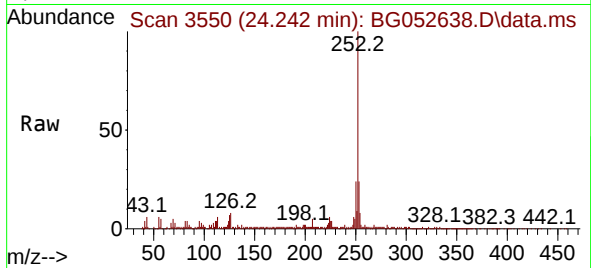




#89
Benzo(k)fluoranthene
Concen: 36.116 ng
RT: 24.242 min Scan# 31
Delta R.T. -0.048 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

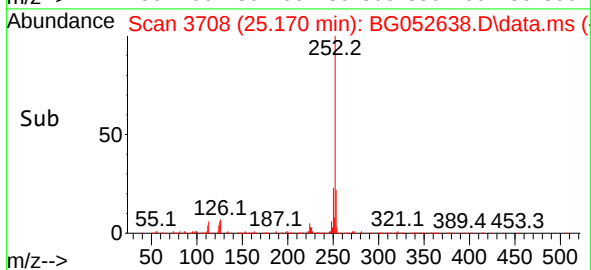
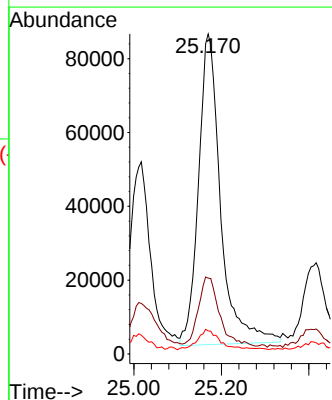
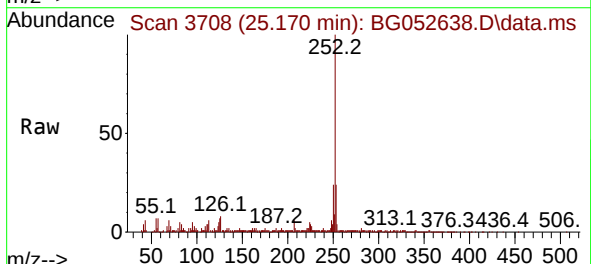
Instrument :
BNA_G
ClientSampleId :
SAMPLE-12RE

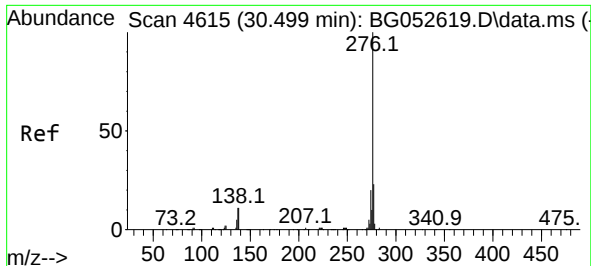
Tgt Ion:252 Resp: 374797
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 7.1 5.0 7.4



#90
Benzo(a)pyrene
Concen: 33.899 ng
RT: 25.170 min Scan# 3708
Delta R.T. 0.023 min
Lab File: BG052638.D
Acq: 10 Mar 2022 17:37

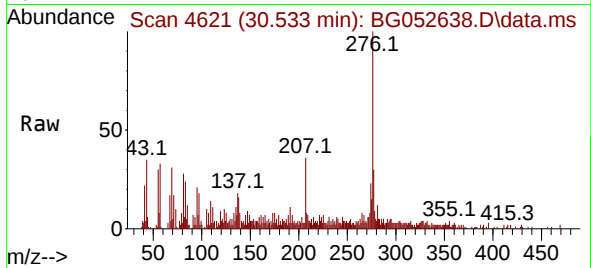
Tgt Ion:252 Resp: 295967
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 7.2 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 7.834 ng
 RT: 30.533 min Scan# 4
 Delta R.T. 0.034 min
 Lab File: BG052638.D
 Acq: 10 Mar 2022 17:37

Instrument :
 BNA_G
 ClientSampleId :
 SAMPLE-12RE



Tgt Ion:276 Resp: 75994
 Ion Ratio Lower Upper
 276 100
 277 30.4 18.2 27.2#
 138 15.9 9.1 13.7#

