

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090119\
 Data File : BG042680.D
 Acq On : 2 Sep 2019 2:59
 Operator : HP/JU
 Sample : K4579-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 07:31:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	30370	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	120679	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	96432	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	227715	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	247830	20.00	ng	-0.01
87) Perylene-d12	24.92	264	295674	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	129906	86.63	ng	-0.01
7) Phenol-d6	7.16	99	176656	87.21	ng	-0.01
23) Nitrobenzene-d5	9.16	82	102460	58.67	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	129765	94.68	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	338803	59.42	ng	0.00
79) Terphenyl-d14	20.02	244	651230	56.81	ng	0.00

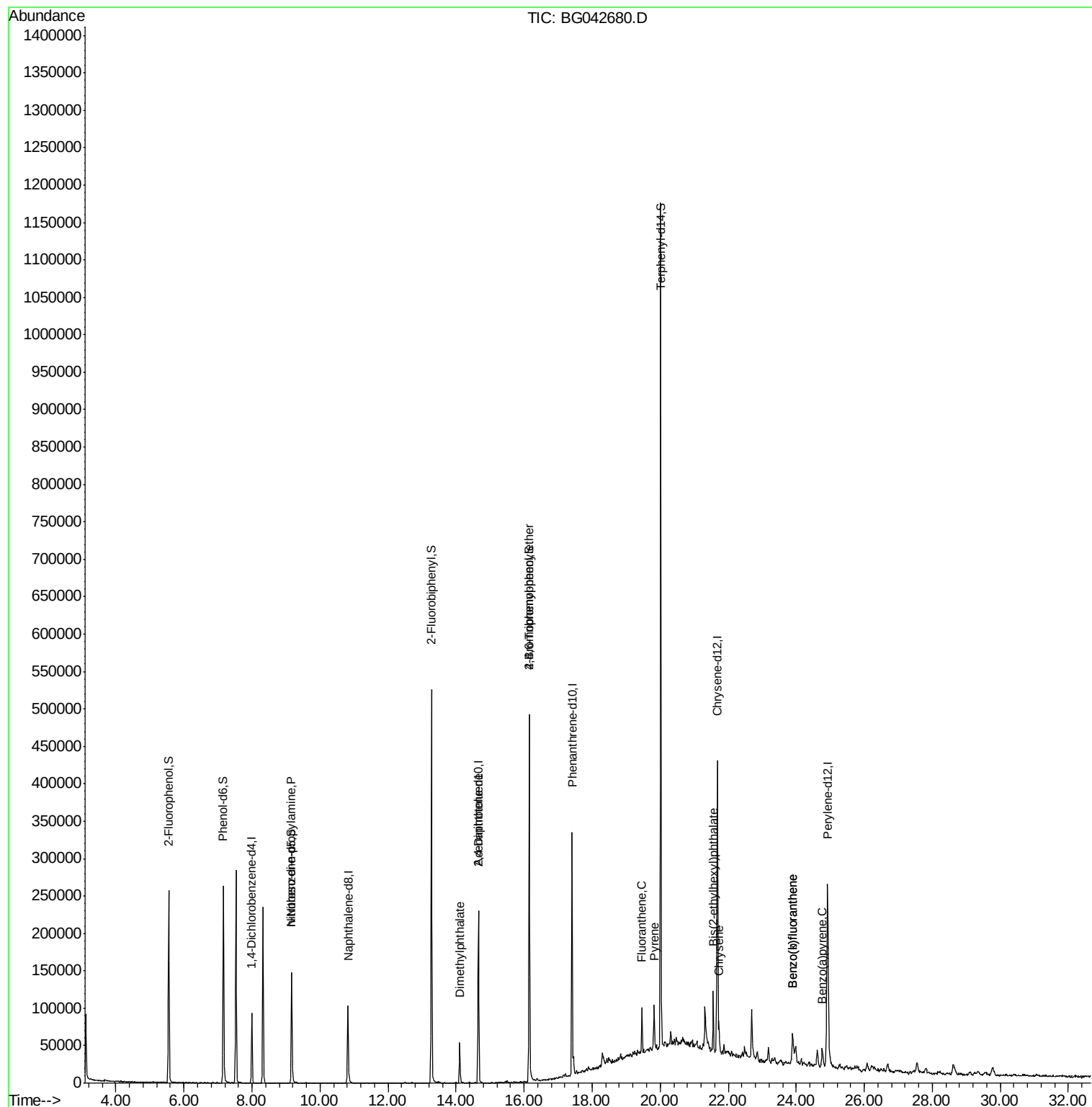
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	12973	9.886	ng	# 75
50) Dimethylphthalate	14.10	163	53746	7.724	ng	98
57) 2,4-Dinitrotoluene	14.66	165	12848	5.563	ng	# 40
67) 4-Bromophenyl-phenylether	16.15	248	8179	2.832	ng	# 1
75) Fluoranthene	19.46	202	44918	3.254	ng	96
78) Pyrene	19.82	202	44301	2.916	ng	96
83) Chrysene	21.73	228	29424	2.024	ng	99
84) Bis(2-ethylhexyl)phthalate	21.56	149	36097	4.350	ng	97
88) Benzo(b)fluoranthene	23.89	252	45024	2.770	ng	95
89) Benzo(k)fluoranthene	23.89	252	45024	2.882	ng	95
90) Benzo(a)pyrene	24.76	252	33849	2.194	ng	96

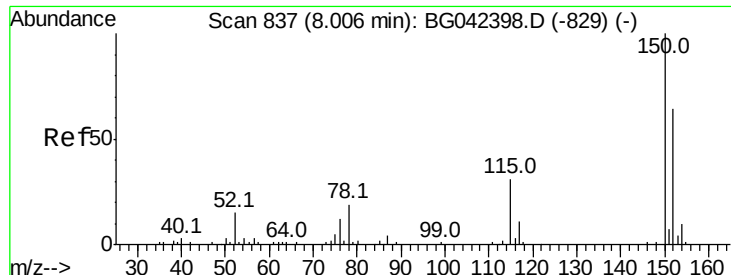
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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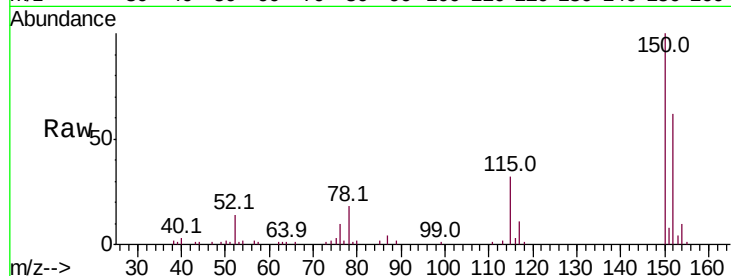


#1

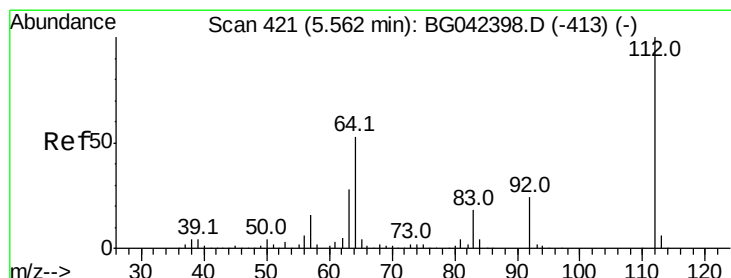
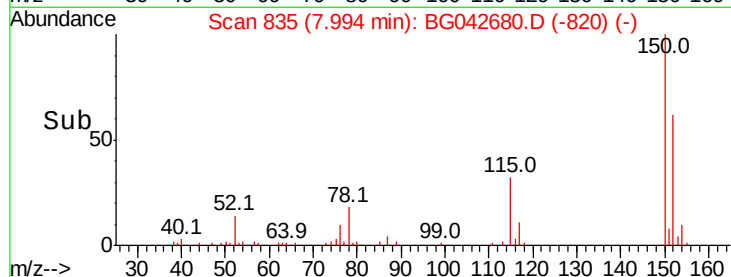
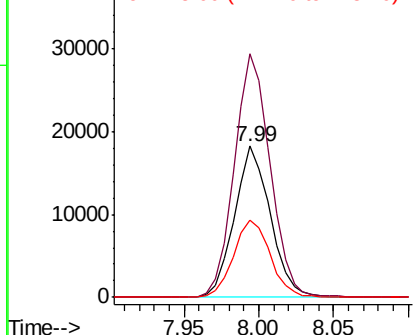
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042680.D
Acq: 2 Sep 2019 2:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	125.4	188.0
115	51.4	38.5	57.7



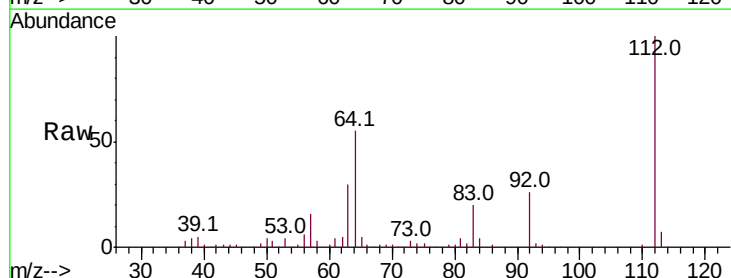
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



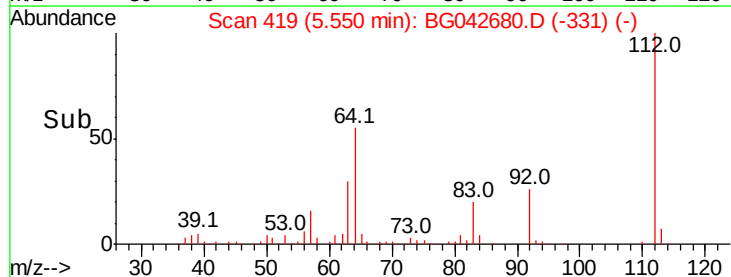
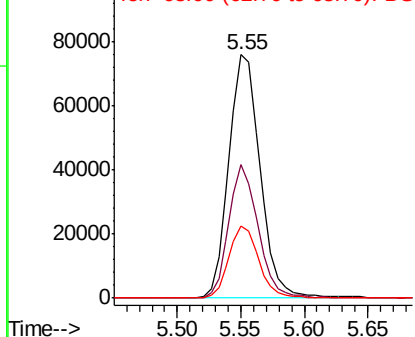
#5

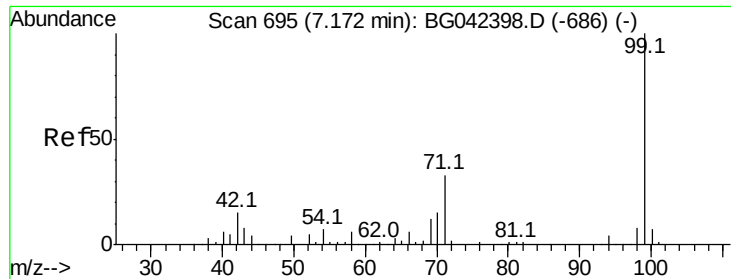
2-Fluorophenol
Concen: 86.631 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042680.D
Acq: 2 Sep 2019 2:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	42.8	64.2
63	29.6	22.7	34.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 87.214 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampled :

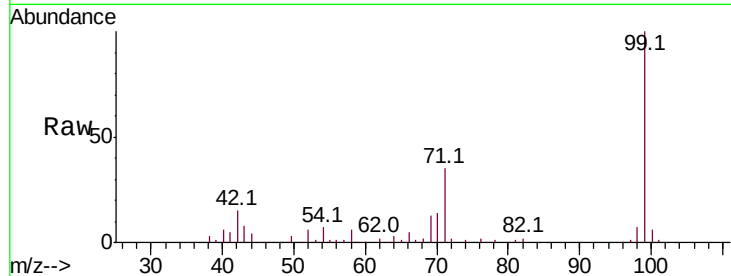
Tot Ion: 99 Resp: 176656

Ion Ratio Lower Upper

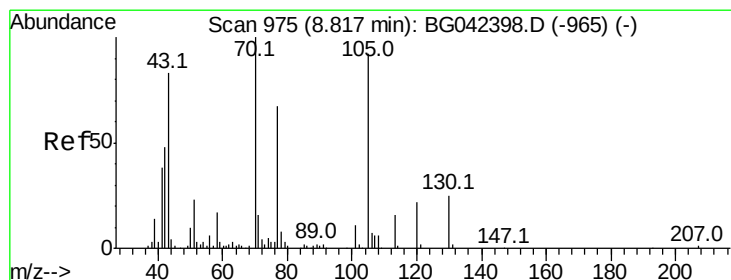
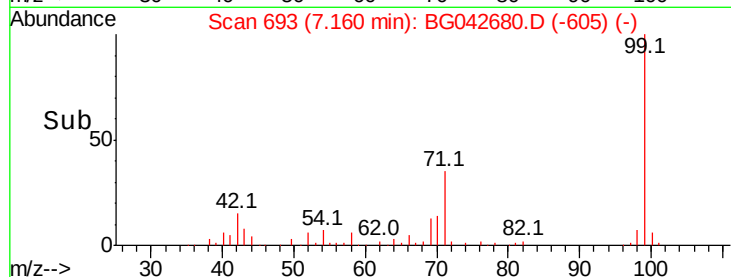
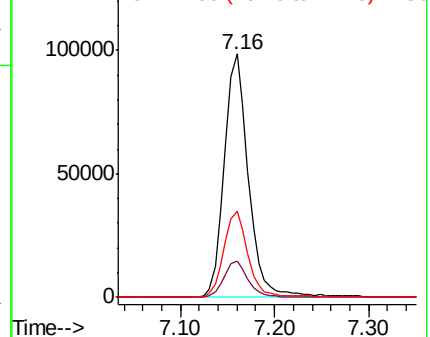
99 100

42 14.9 12.0 18.0

71 35.5 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 9.886 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Tgt Ion: 70 Resp: 12973

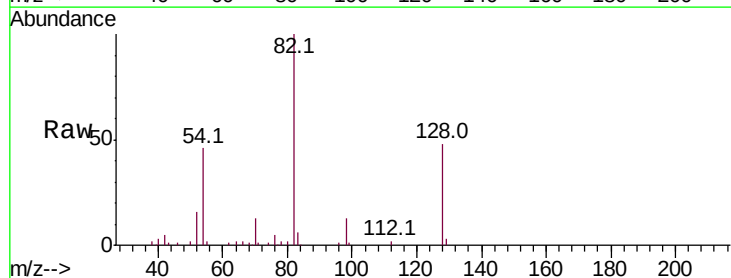
Ion Ratio Lower Upper

70 100

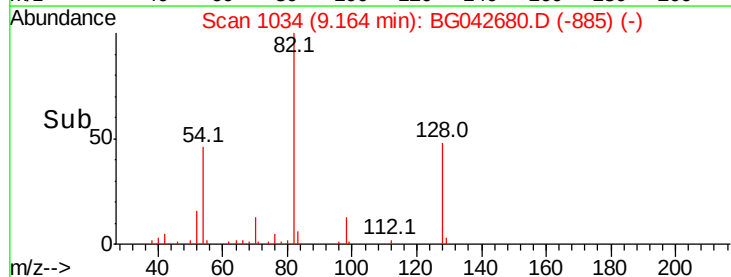
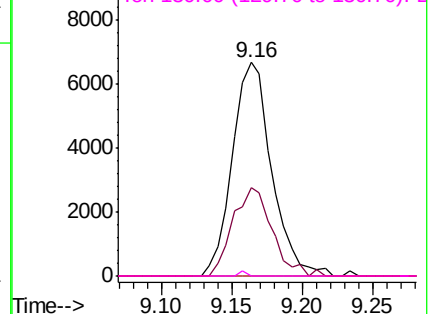
42 41.5 38.8 58.2

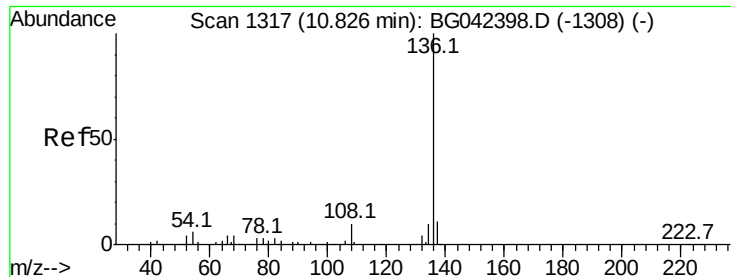
101 0.0 9.0 13.6#

130 0.0 20.0 30.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

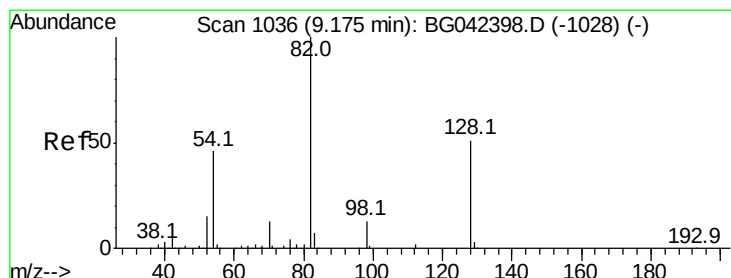
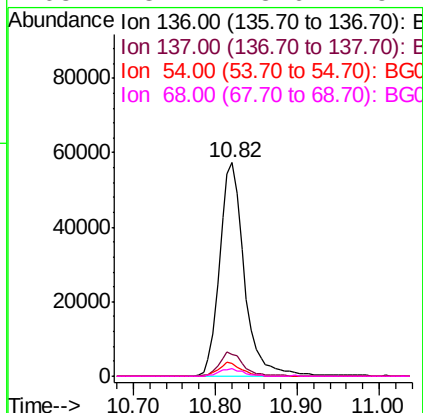
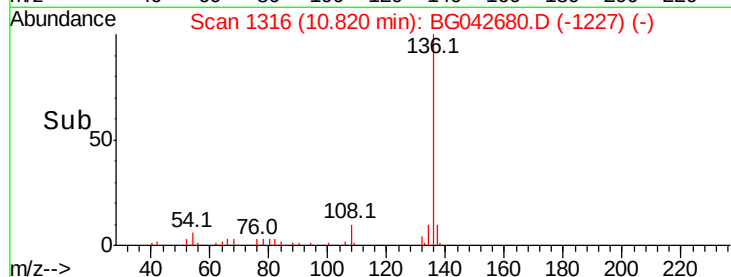
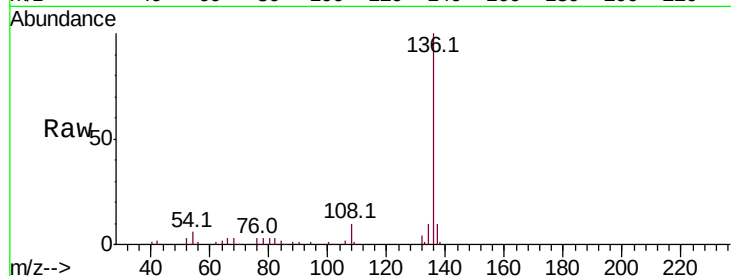




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG042680.D
Acq: 2 Sep 2019 2:59

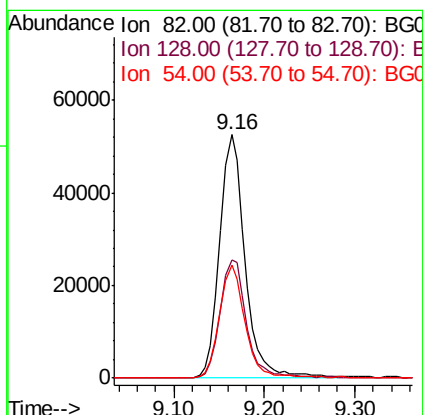
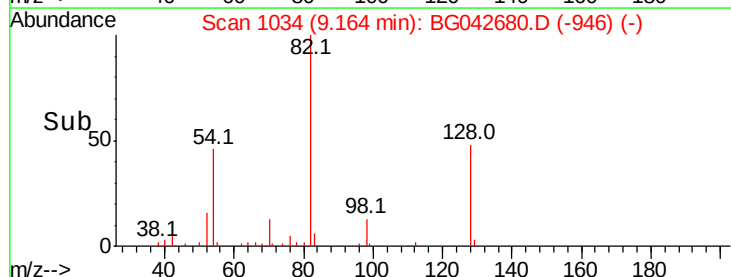
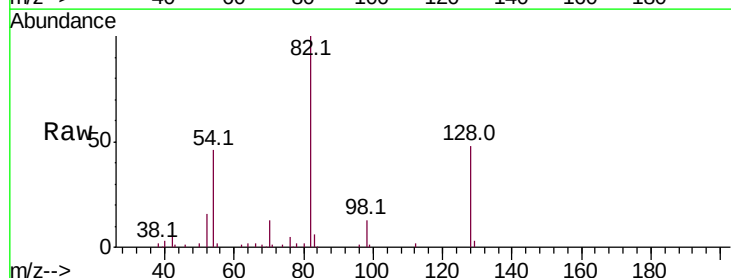
Instrument :
BNA_G
ClientSampleId :

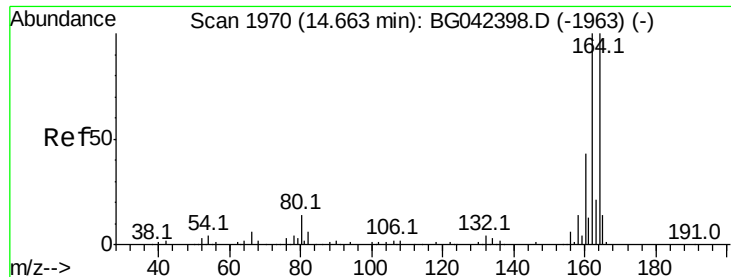
Tot Ion:	136	Resp:	120679
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.7	13.1
54	6.0	4.9	7.3
68	3.4	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 58.671 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042680.D
Acq: 2 Sep 2019 2:59

Tgt Ion:	82	Resp:	102460
Ion	Ratio	Lower	Upper
82	100		
128	48.5	40.7	61.1
54	46.3	36.3	54.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

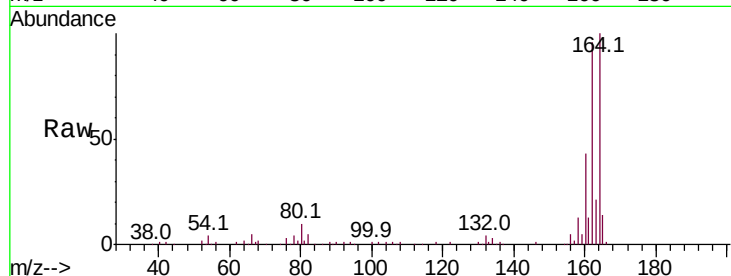
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 96432

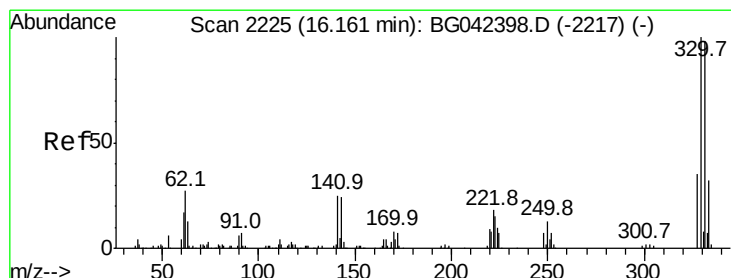
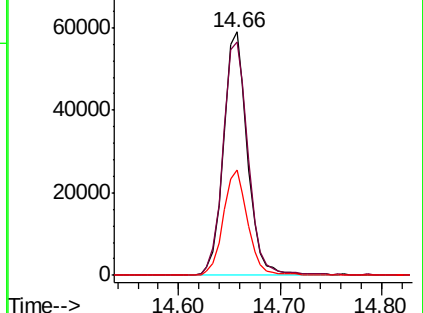
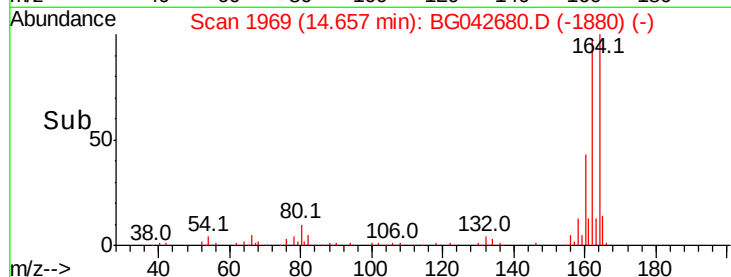
Ion	Ratio	Lower	Upper
164	100		
162	95.9	79.9	119.9
160	43.0	34.3	51.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 94.676 ng

RT: 16.15 min Scan# 2223

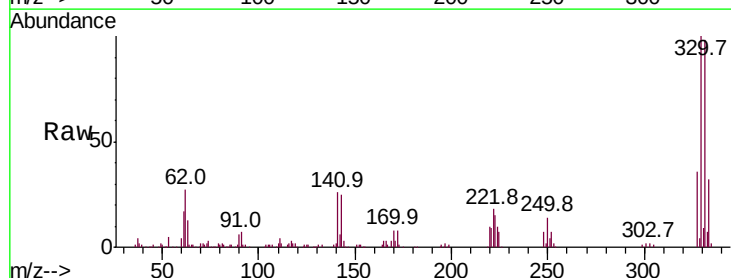
Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Tgt Ion:330 Resp: 129765

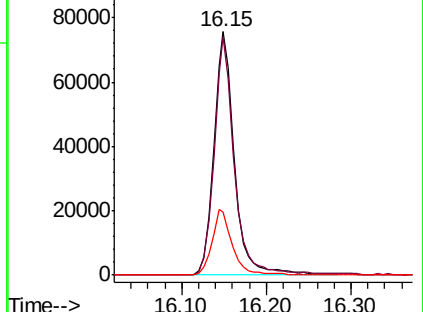
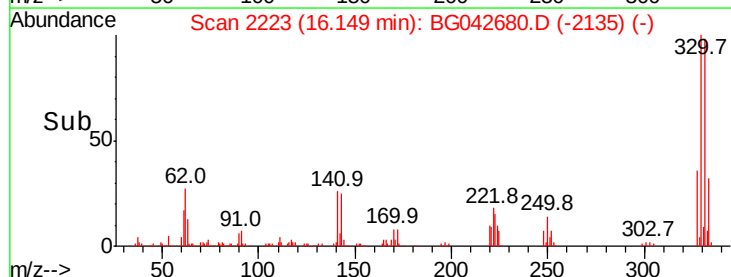
Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	26.6	21.4	32.0

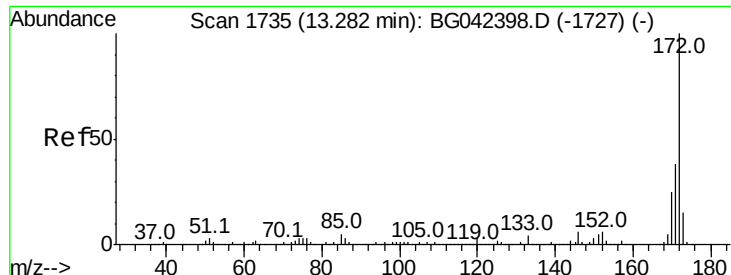


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



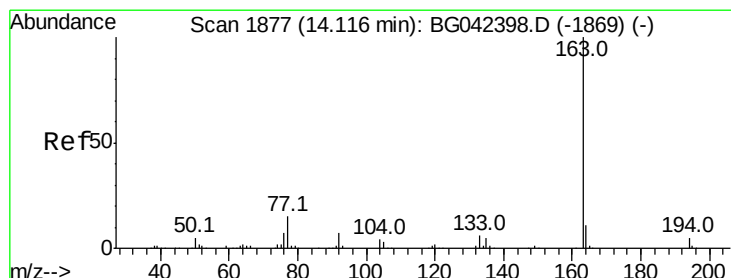
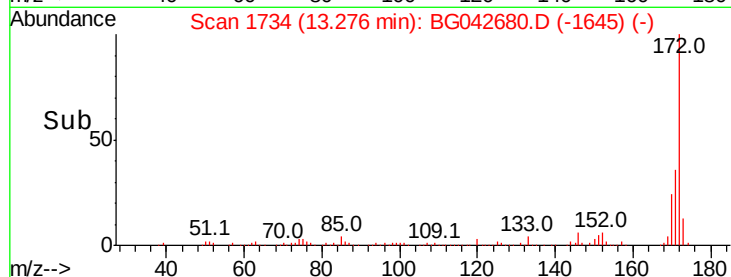
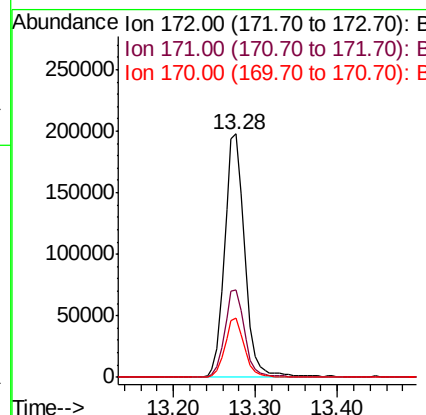
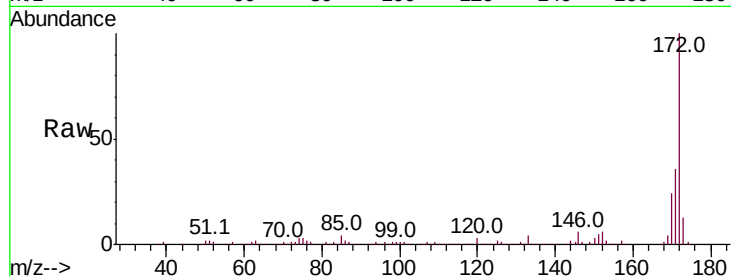


#45
 2-Fluorobiphenyl
 Concen: 59.421 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG042680.D
 Acq: 2 Sep 2019 2:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 338803

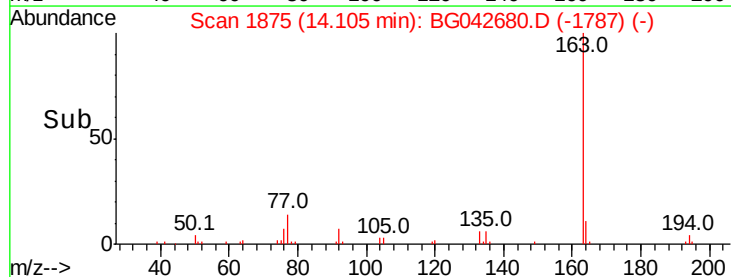
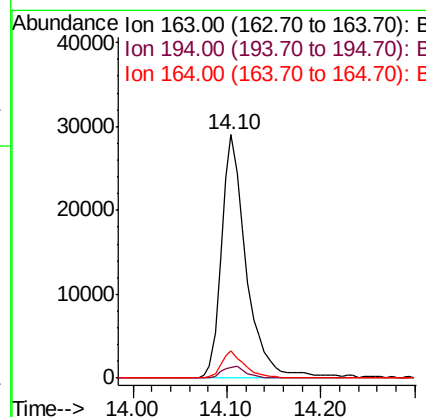
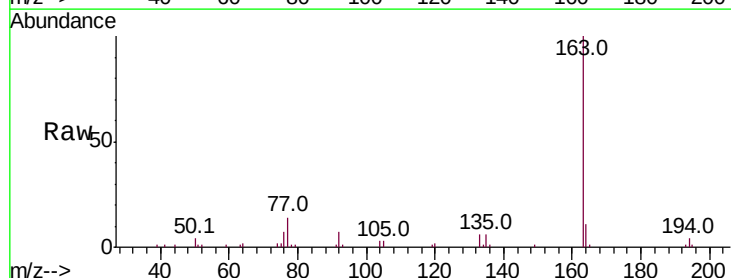
Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.5	45.7
170	24.1	20.2	30.2

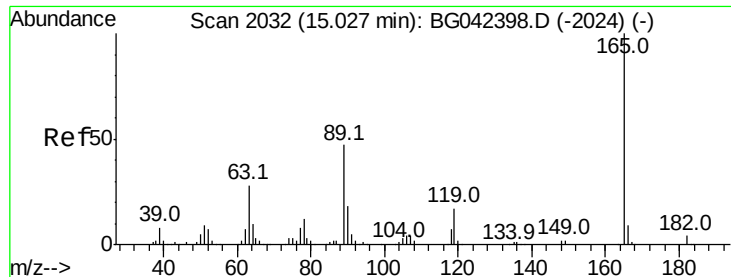


#50
 Dimethylphthalate
 Concen: 7.724 ng
 RT: 14.10 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: BG042680.D
 Acq: 2 Sep 2019 2:59

Tgt Ion:163 Resp: 53746

Ion	Ratio	Lower	Upper
163	100		
194	4.2	4.2	6.2
164	11.4	8.8	13.2

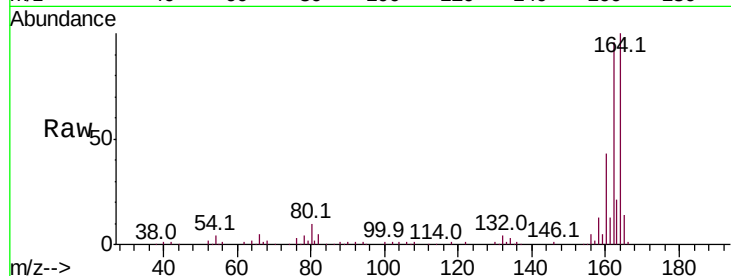




#57
 2,4-Dinitrotoluene
 Concen: 5.563 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.37 min
 Lab File: BG042680.D
 Acq: 2 Sep 2019 2:59

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.5	33.7#
89	2.0	37.8	56.6#
182	0.0	3.0	4.4#



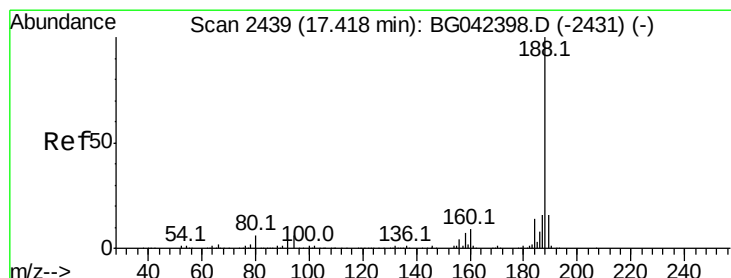
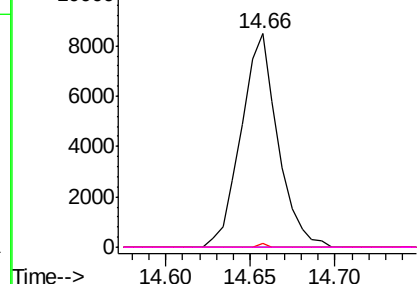
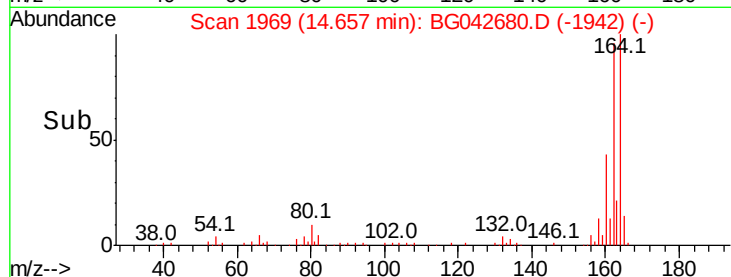
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

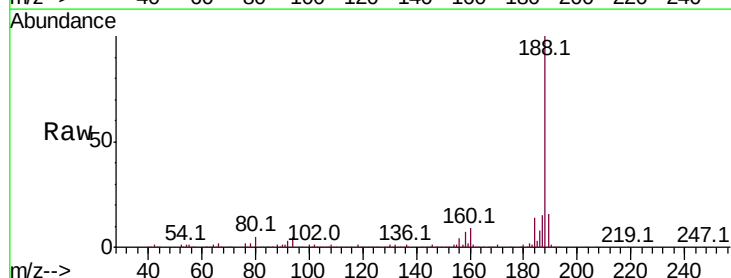
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2437
 Delta R.T. -0.01 min
 Lab File: BG042680.D
 Acq: 2 Sep 2019 2:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	4.5	6.7
80	5.0	4.9	7.3

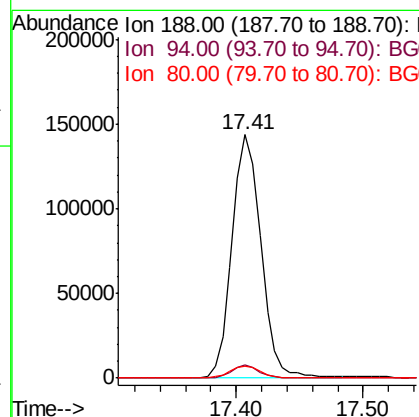
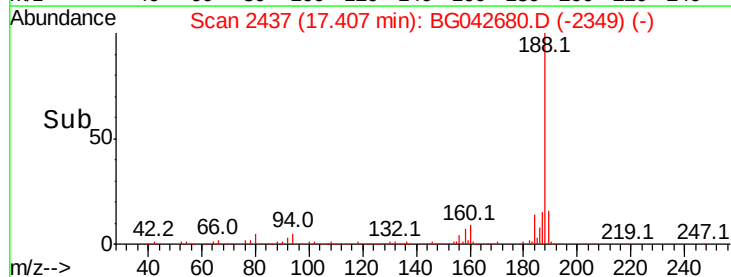


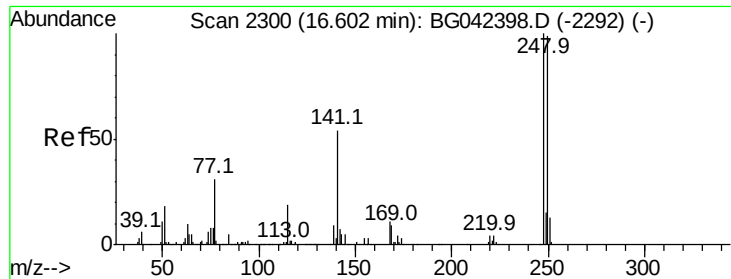
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

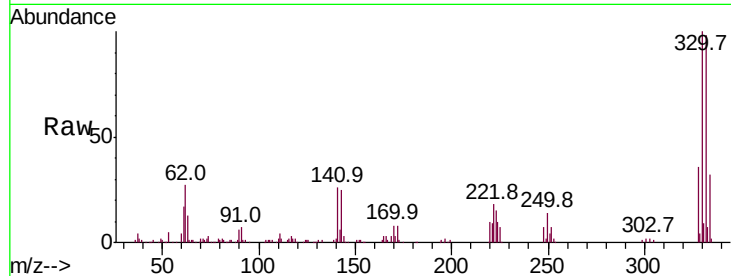




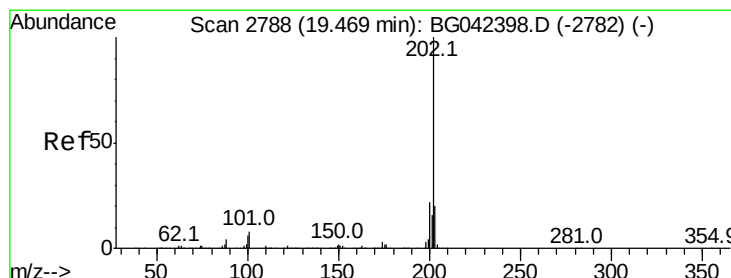
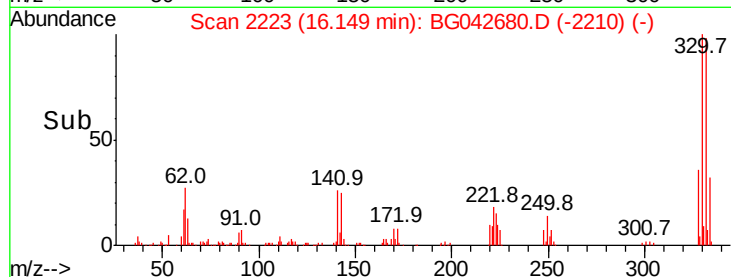
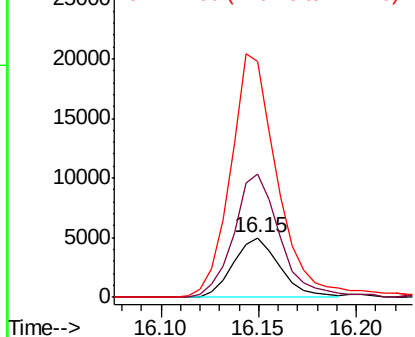
#67
 4-Bromophenyl-phenylether
 Concen: 2.832 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG042680.D
 Acq: 2 Sep 2019 2:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 8179
 Ion Ratio Lower Upper
 248 100
 250 205.6 78.9 118.3#
 141 392.9 43.3 64.9#

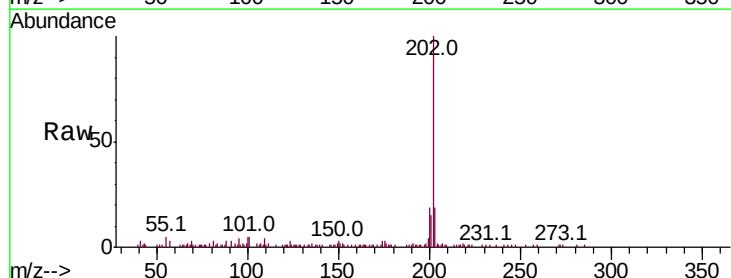


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

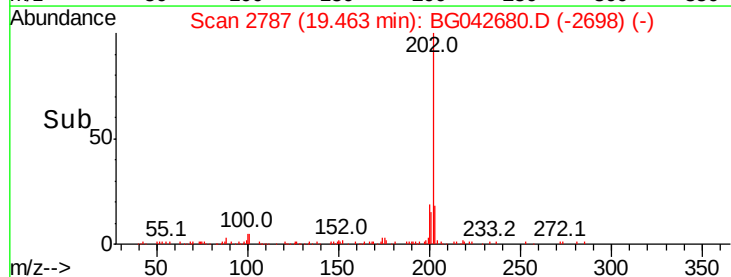
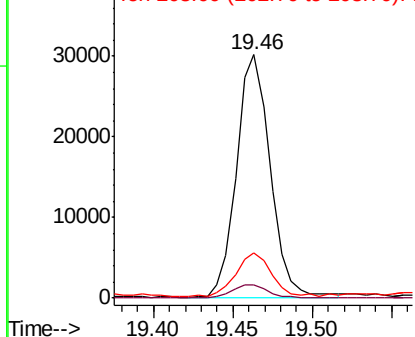


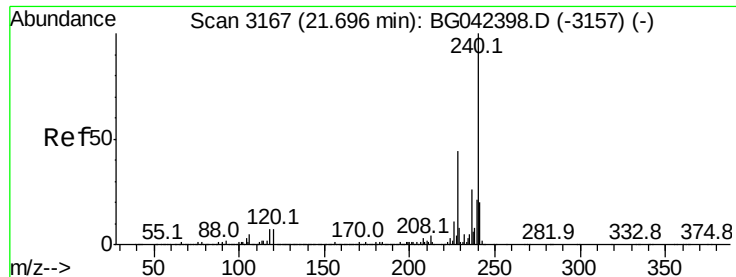
#75
 Fluoranthene
 Concen: 3.254 ng
 RT: 19.46 min Scan# 2787
 Delta R.T. -0.01 min
 Lab File: BG042680.D
 Acq: 2 Sep 2019 2:59

Tgt Ion:202 Resp: 44918
 Ion Ratio Lower Upper
 202 100
 101 5.2 0.0 28.3
 203 18.7 0.0 39.6



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampleId :

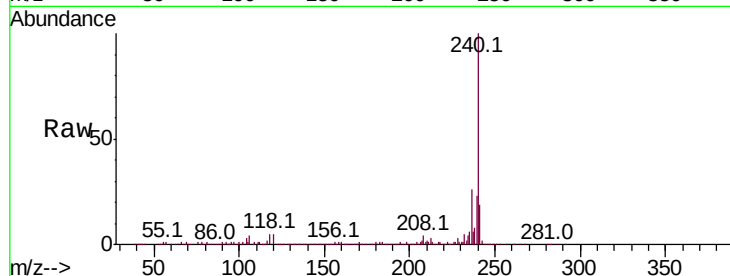
Tot Ion:240 Resp: 247830

Ion Ratio Lower Upper

240 100

120 5.4 5.7 8.5#

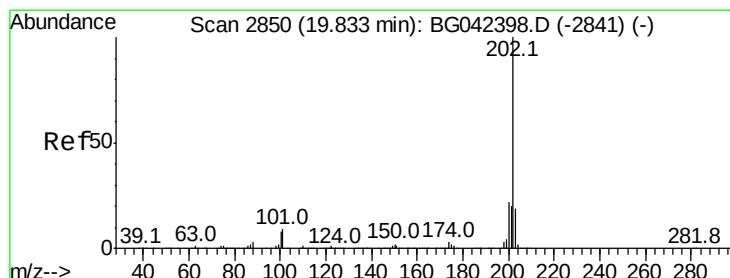
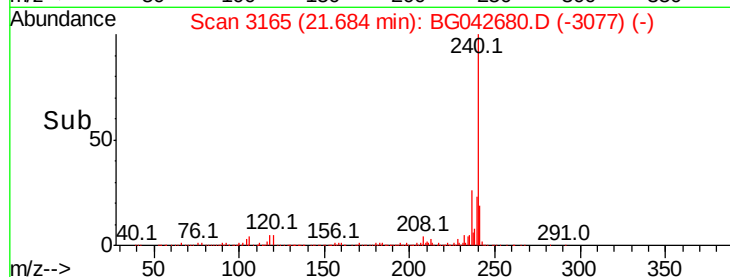
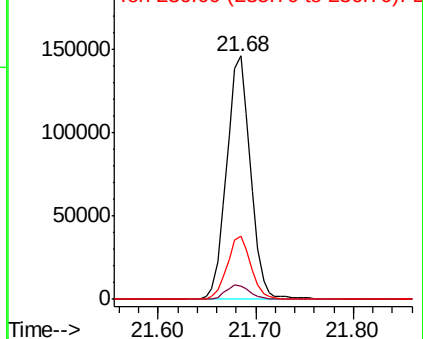
236 25.8 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 2.916 ng

RT: 19.82 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

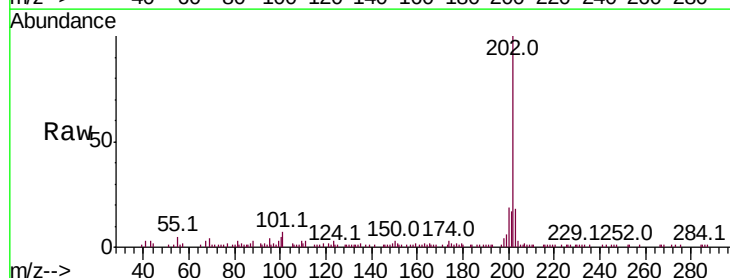
Tgt Ion:202 Resp: 44301

Ion Ratio Lower Upper

202 100

200 19.4 17.8 26.6

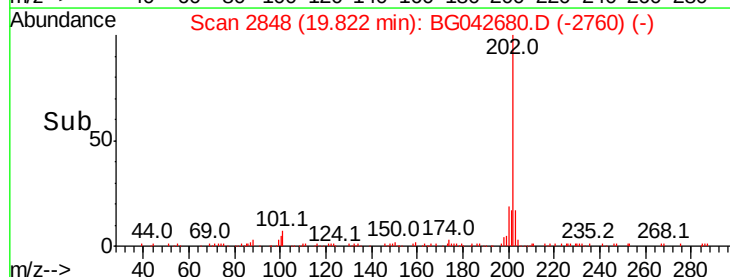
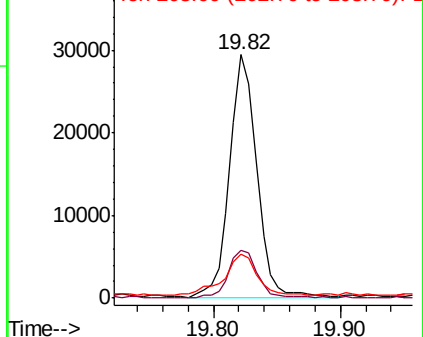
203 18.1 15.5 23.3

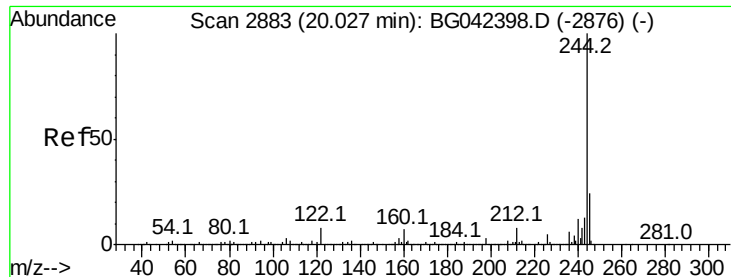


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 56.809 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampled :

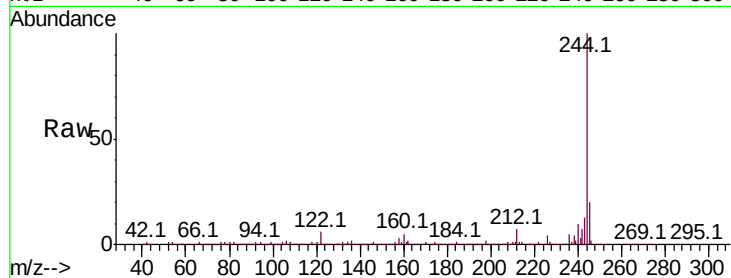
Tot Ion:244 Resp: 651230

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

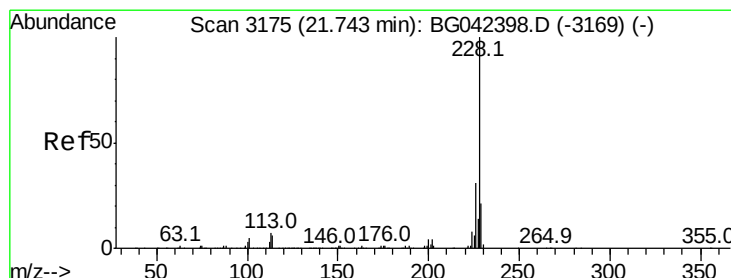
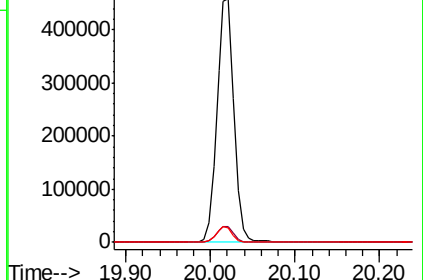
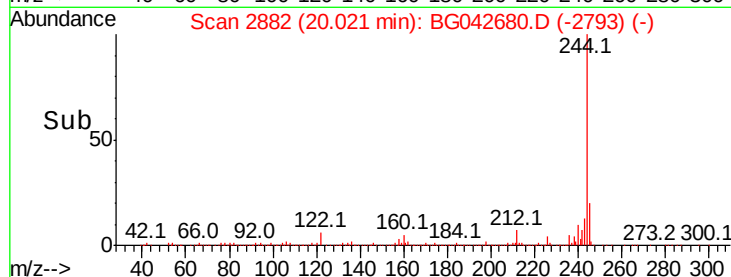
122 5.8 6.7 10.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#83

Chrysene

Concen: 2.024 ng

RT: 21.73 min Scan# 3172

Delta R.T. -0.02 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

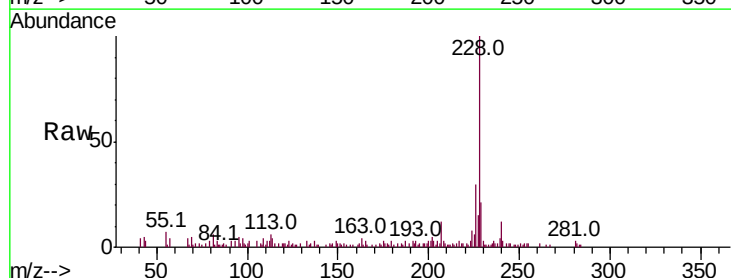
Tgt Ion:228 Resp: 29424

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

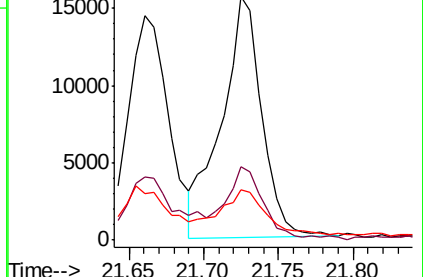
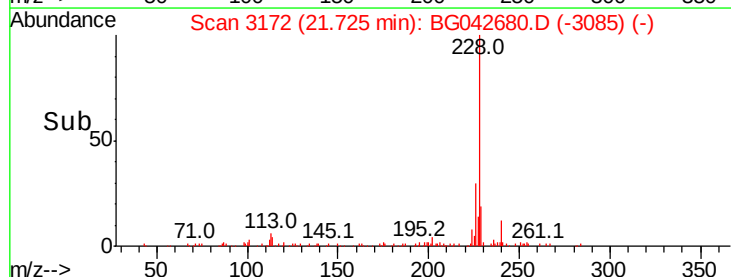
229 20.9 16.9 25.3

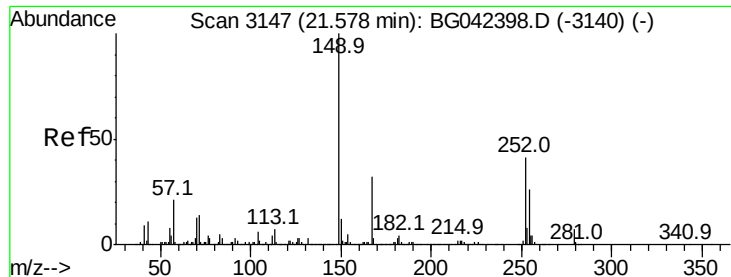


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.350 ng

RT: 21.56 min Scan# 3144

Delta R.T. -0.02 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampleId :

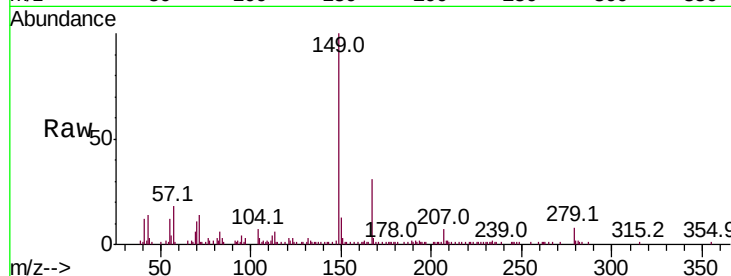
Tot Ion:149 Resp: 36097

Ion	Ratio	Lower	Upper
149	100		
167	31.0	26.0	39.0
279	7.5	5.4	8.0

149 100

167 31.0 26.0 39.0

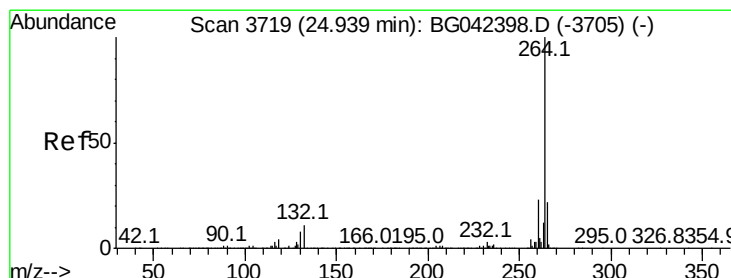
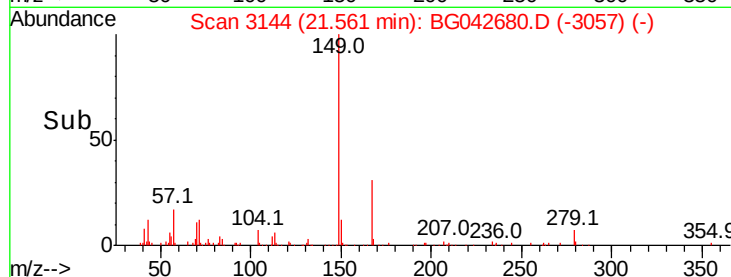
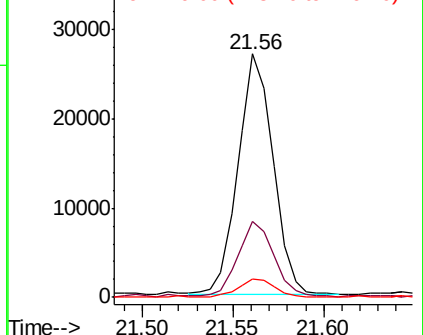
279 7.5 5.4 8.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

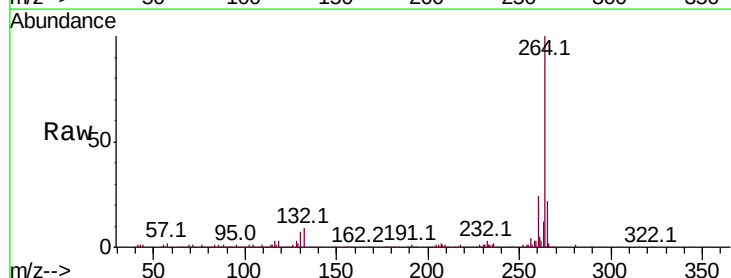
Tgt Ion:264 Resp: 295674

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	22.5	17.6	26.4

264 100

260 23.5 18.5 27.7

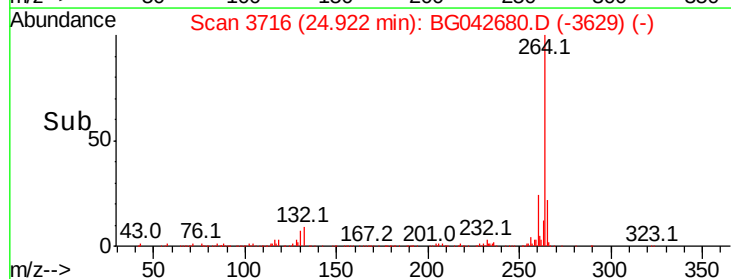
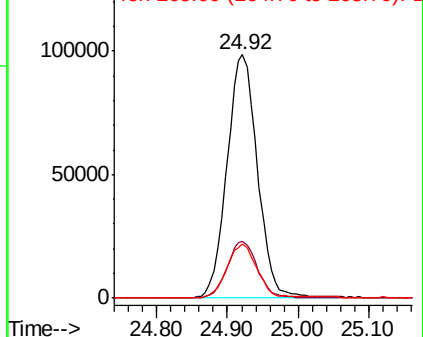
265 22.5 17.6 26.4

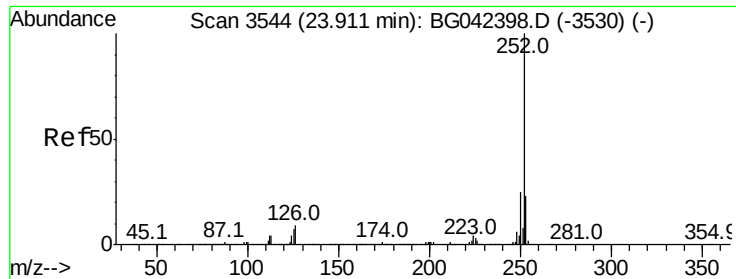


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.770 ng

RT: 23.89 min Scan# 3541

Delta R.T. -0.02 min

Lab File: BG042680.D

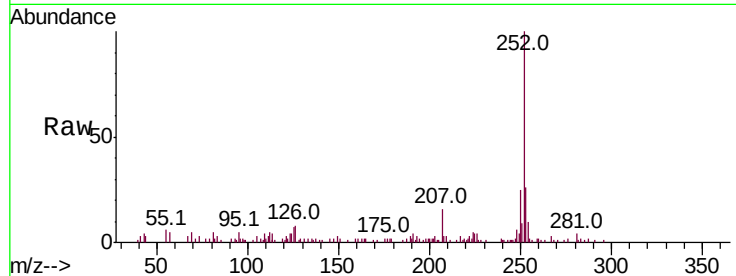
Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampleId :

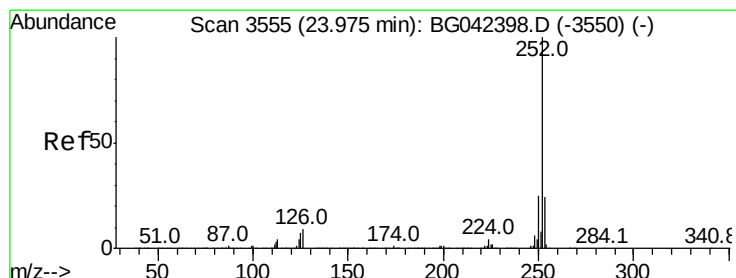
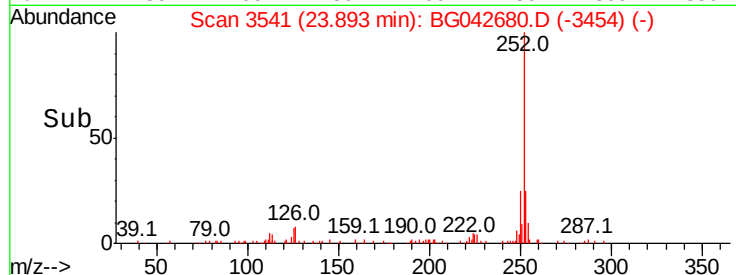
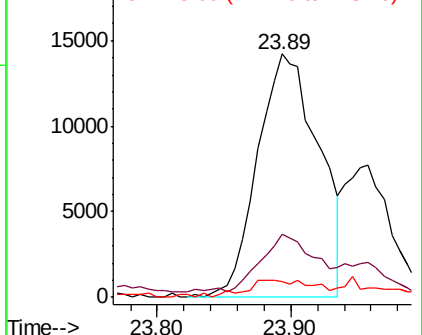
Tot Ion:252	Resp:	45024
Ion Ratio	Lower	Upper
252	100	
253	26.0	18.6 27.8
125	6.5	5.6 8.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 2.882 ng

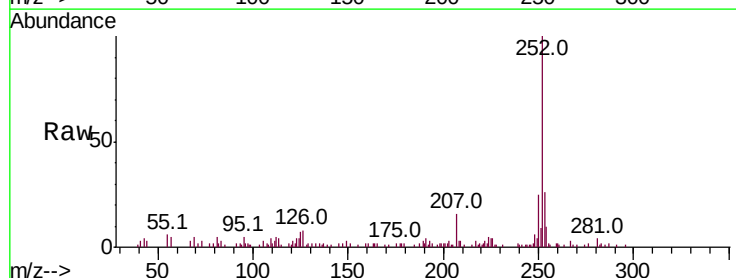
RT: 23.89 min Scan# 3541

Delta R.T. -0.08 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

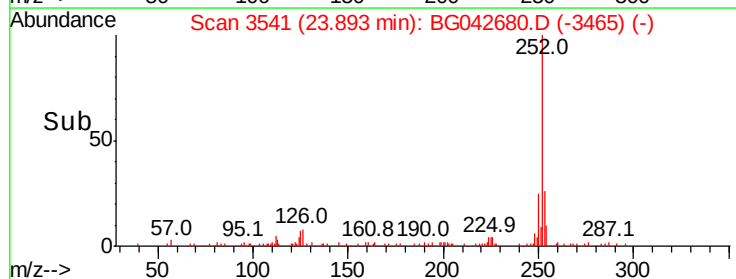
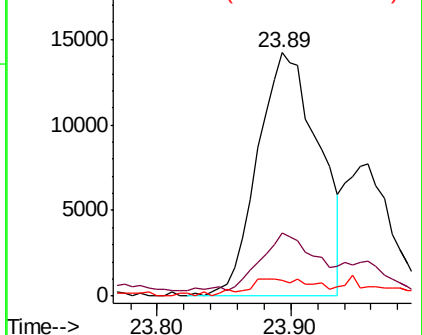
Tgt Ion:252	Resp:	45024
Ion Ratio	Lower	Upper
252	100	
253	26.0	18.6 27.8
125	6.5	5.8 8.6

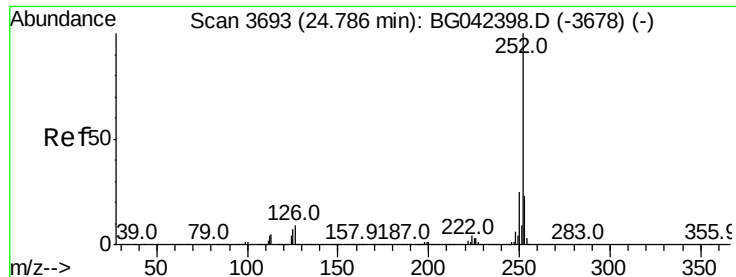


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.194 ng

RT: 24.76 min Scan# 3689

Delta R.T. -0.02 min

Lab File: BG042680.D

Acq: 2 Sep 2019 2:59

Instrument :

BNA_G

ClientSampleId :

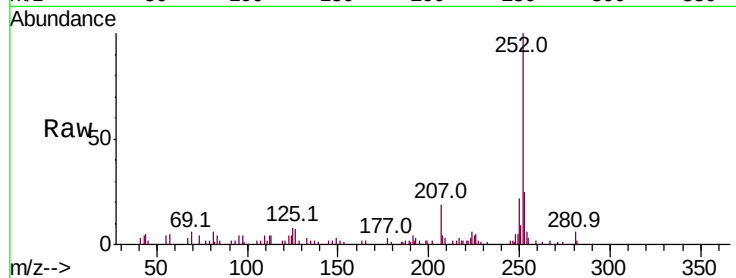
Tot Ion: 252 Resp: 33849

Ion Ratio Lower Upper

252 100

253 25.3 18.4 27.6

125 7.9 6.0 9.0



Abundance Ion 252.00 (251.70 to 252.70): E

15000 Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

