

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090619\
 Data File : BG042756.D
 Acq On : 6 Sep 2019 20:31
 Operator : HP/JU
 Sample : K4721-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 07 01:55:23 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	8.00	152	34900	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	146373	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	120768	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	267956	20.00	ng	0.00
76) Chrysene-d12	21.69	240	231462	20.00	ng	0.00
87) Perylene-d12	24.93	264	273139	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	209626	121.65	ng	0.00
7) Phenol-d6	7.16	99	292983	125.87	ng	0.00
23) Nitrobenzene-d5	9.17	82	163389	77.14	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	222982	129.90	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	629310	88.13	ng	0.00
79) Terphenyl-d14	20.02	244	959861	89.65	ng	0.00

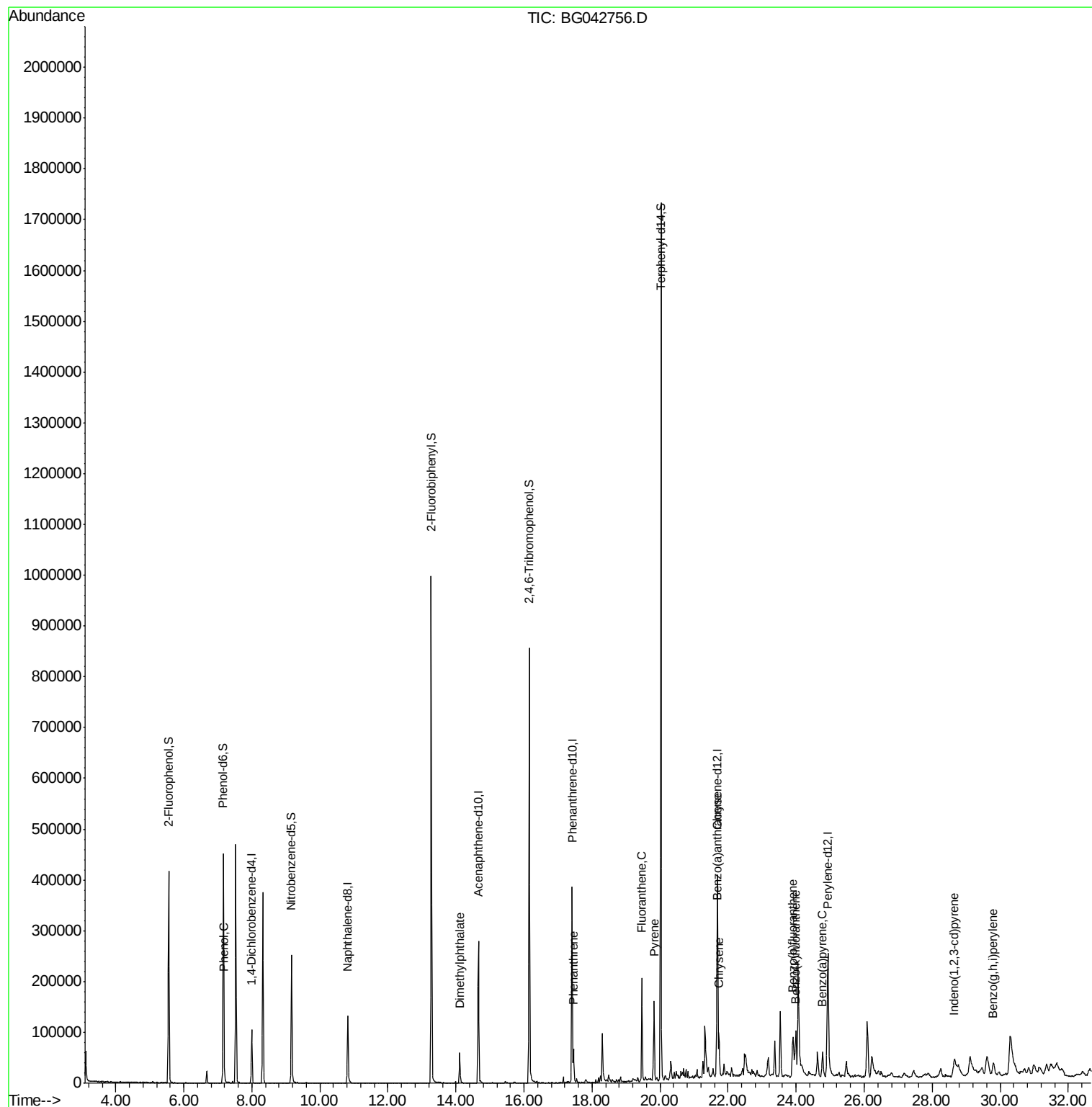
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.19	94	4977	2.103	ng	# 52
50) Dimethylphthalate	14.11	163	60520	6.945	ng	99
71) Phenanthrene	17.45	178	47522	3.570	ng	98
75) Fluoranthene	19.47	202	133277	8.205	ng	93
78) Pyrene	19.82	202	114194	8.047	ng	96
81) Benzo(a)anthracene	21.67	228	53013	3.765	ng	97
83) Chrysene	21.73	228	68928	5.076	ng	97
86) Indeno(1,2,3-cd)pyrene	28.64	276	52087	2.823	ng	99
88) Benzo(b)fluoranthene	23.90	252	110908	7.386	ng	97
89) Benzo(k)fluoranthene	23.97	252	34769m	2.409	ng	
90) Benzo(a)pyrene	24.78	252	65334	4.585	ng	98
92) Benzo(a,h,i)perylene	29.79	276	55012	3.812	ng	98

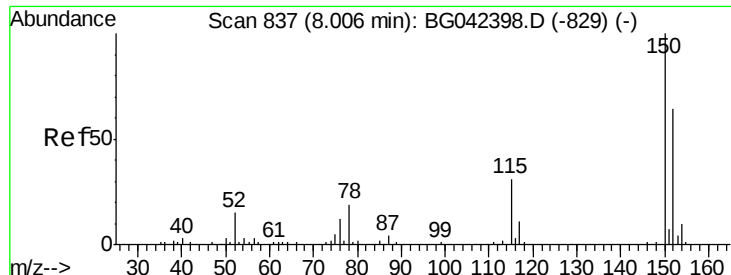
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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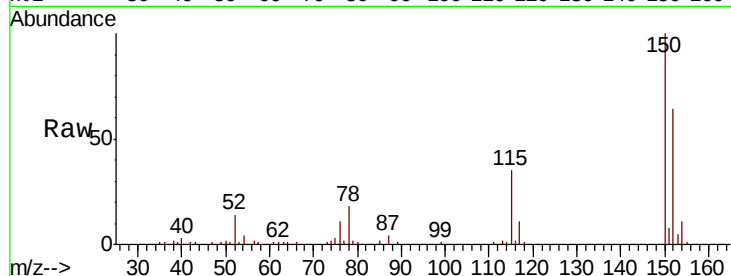


#1

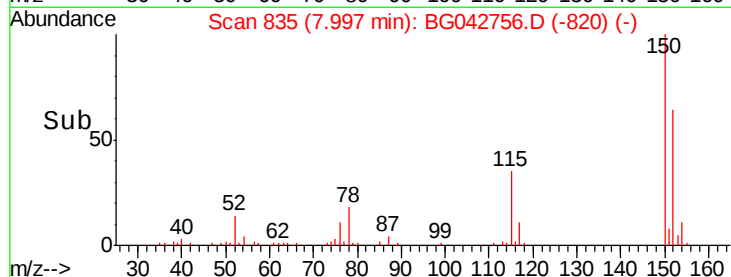
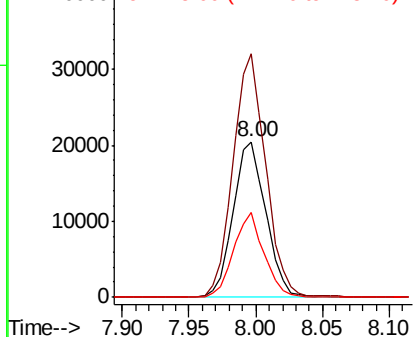
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34900
Ion Ratio Lower Upper
152 100
150 156.2 125.4 188.0
115 54.4 38.5 57.7



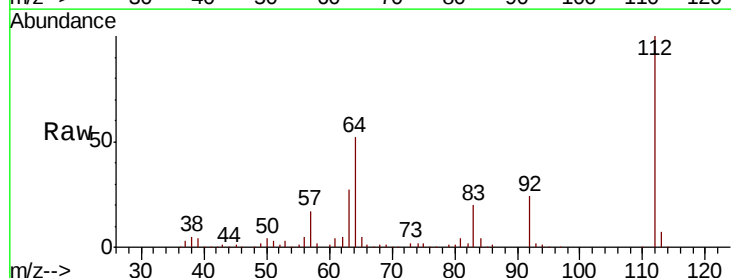
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



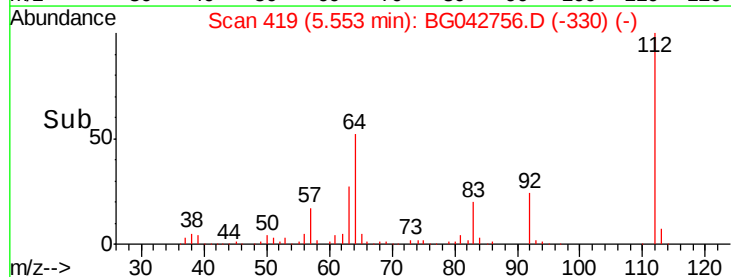
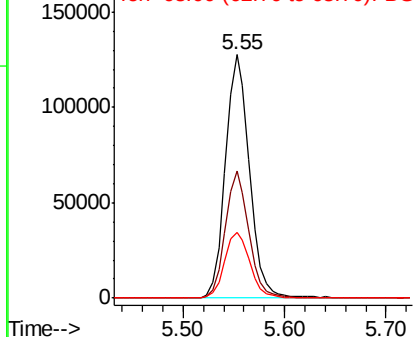
#5

2-Fluorophenol
Concen: 121.649 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Tgt Ion:112 Resp: 209626
Ion Ratio Lower Upper
112 100
64 52.2 42.8 64.2
63 27.2 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: 125.870 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042756.D

Acq: 6 Sep 2019 20:31

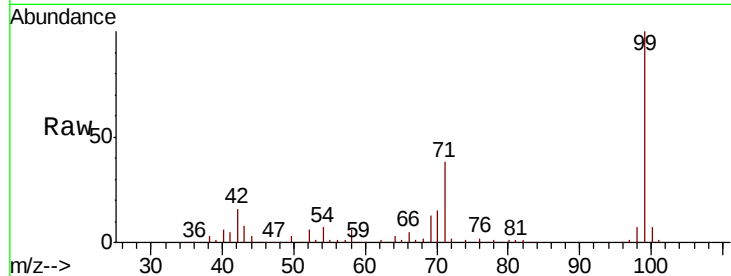
Instrument :

BNA_G

ClientSampled :

Tot Ion: 99 Resp: 292983

Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.0	18.0
71	37.5	26.3	39.5

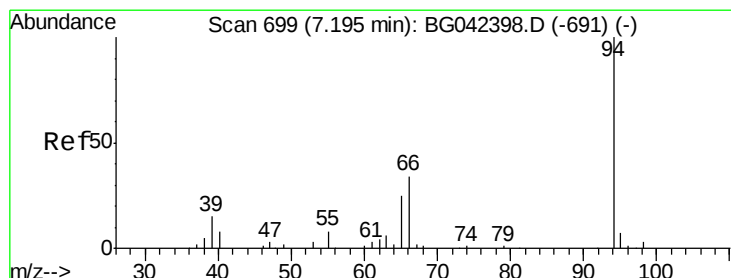
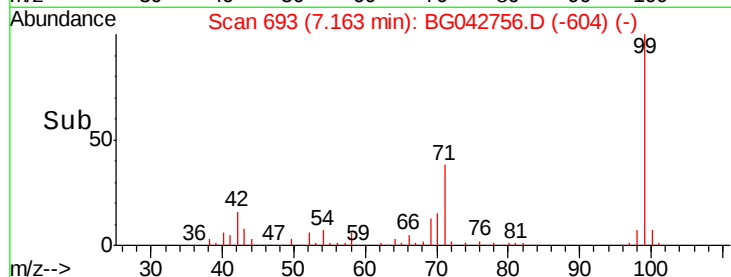
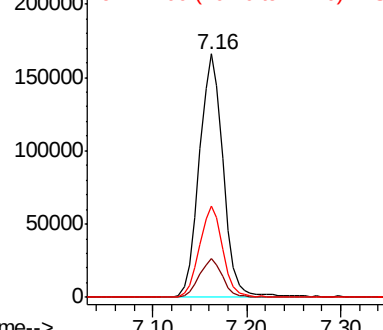


Abundance

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



#10

Phenol

Concen: 2.103 ng

RT: 7.19 min Scan# 697

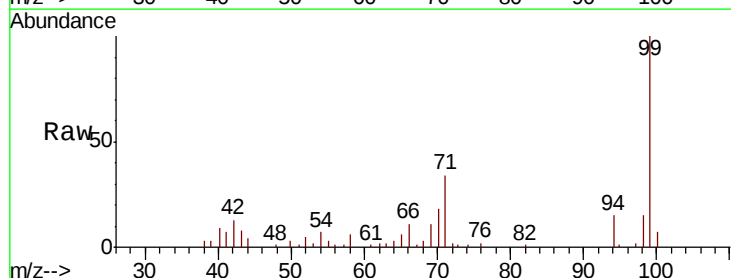
Delta R.T. -0.01 min

Lab File: BG042756.D

Acq: 6 Sep 2019 20:31

Tgt Ion: 94 Resp: 4977

Ion	Ratio	Lower	Upper
94	100		
65	42.1	5.6	45.6
66	70.8	16.0	56.0

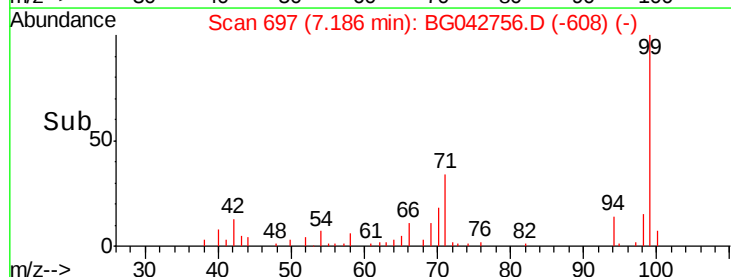
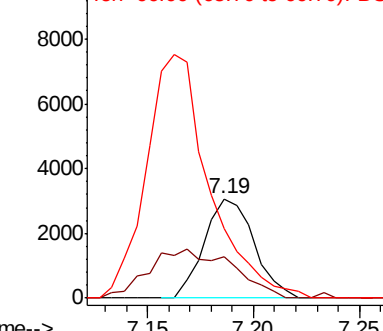


Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

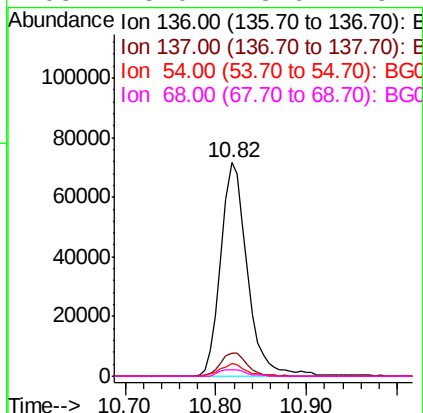
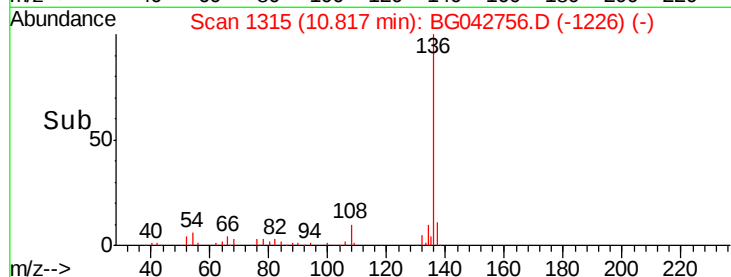
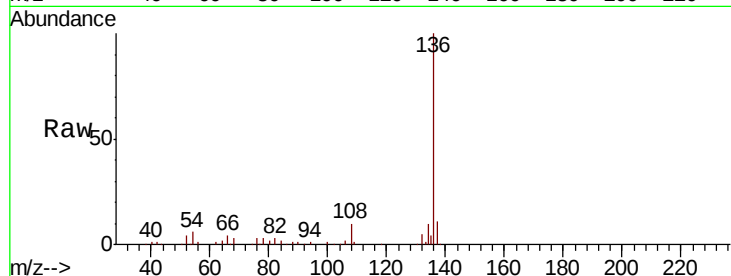




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

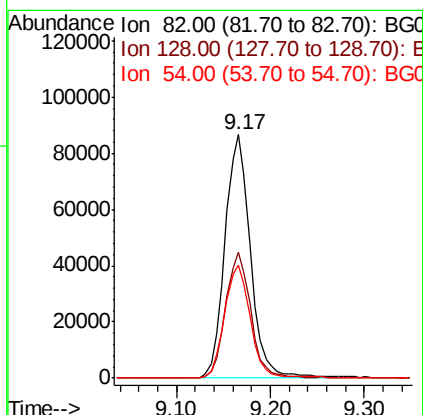
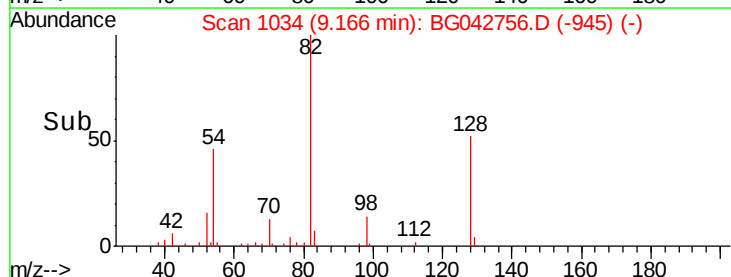
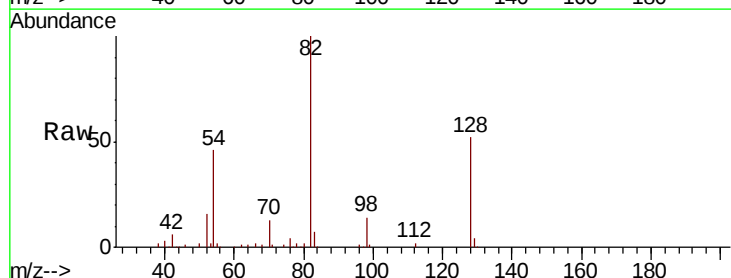
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	146373
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.7	13.1
54 5.7	4.9	7.3
68 3.0	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 77.137 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Tgt Ion: 82	Resp: 163389
Ion Ratio	Lower Upper
82 100	
128 51.6	40.7 61.1
54 46.3	36.3 54.5

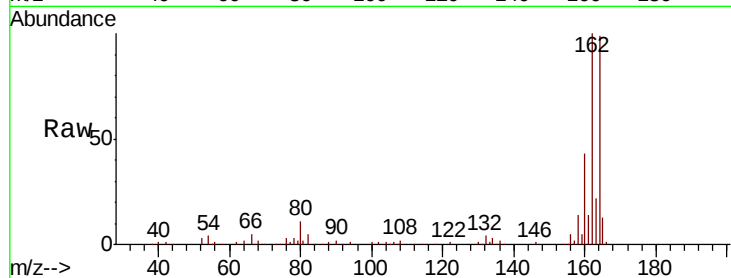




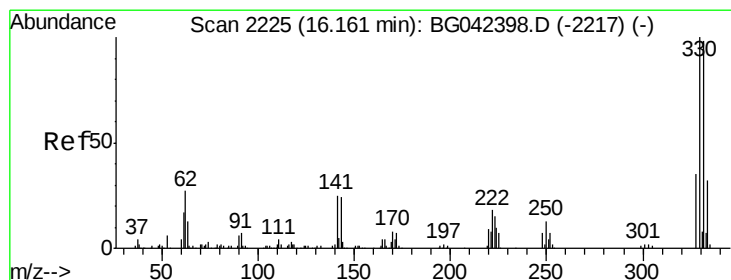
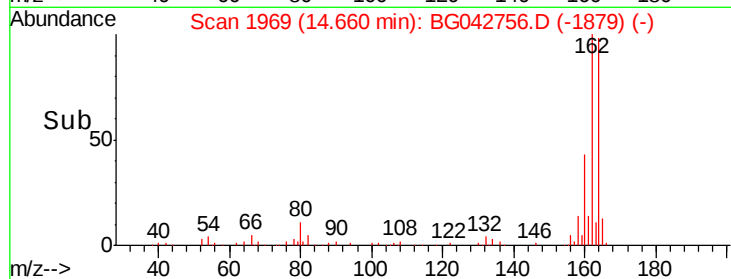
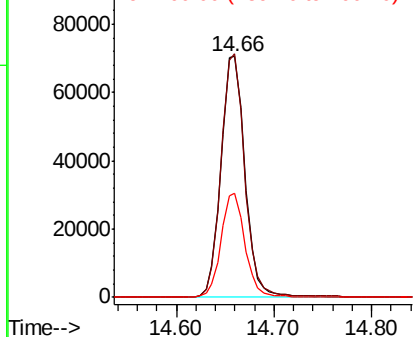
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 120768
Ion Ratio Lower Upper
164 100
162 101.2 79.9 119.9
160 43.5 34.3 51.5

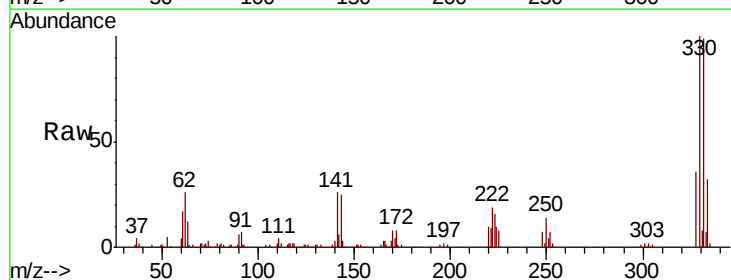


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

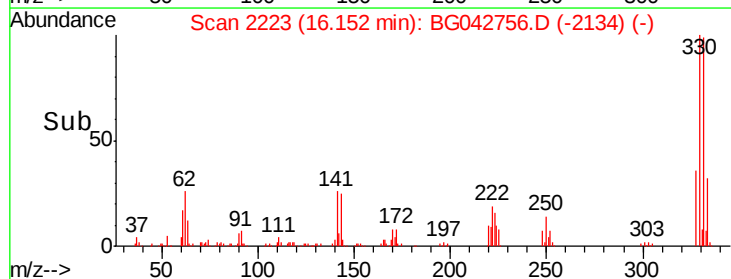
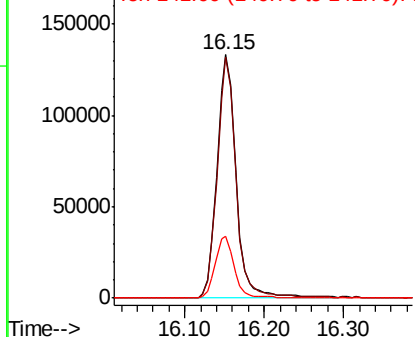


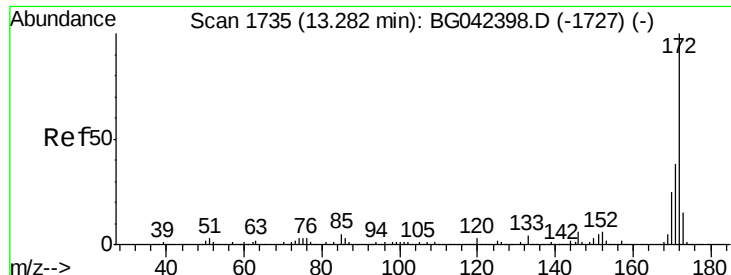
#42
2,4,6-Tribromophenol
Concen: 129.904 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Tgt Ion:330 Resp: 222982
Ion Ratio Lower Upper
330 100
332 97.7 77.4 116.0
141 26.1 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

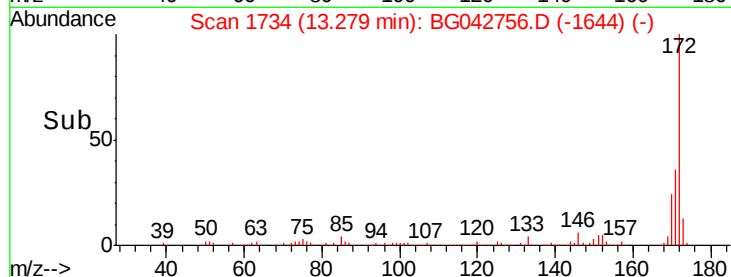
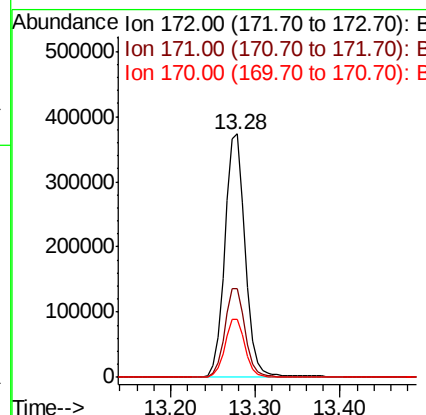
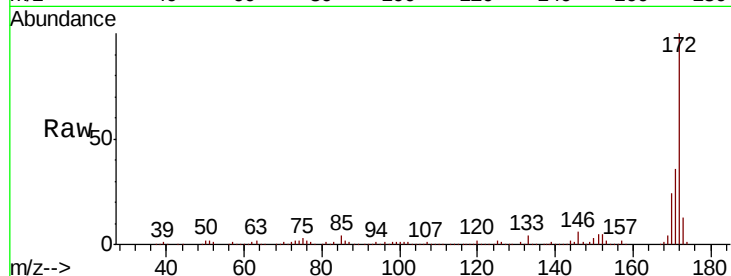




#45
 2-Fluorobiphenyl
 Concen: 88.131 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.00 min
 Lab File: BG042756.D
 Acq: 6 Sep 2019 20:31

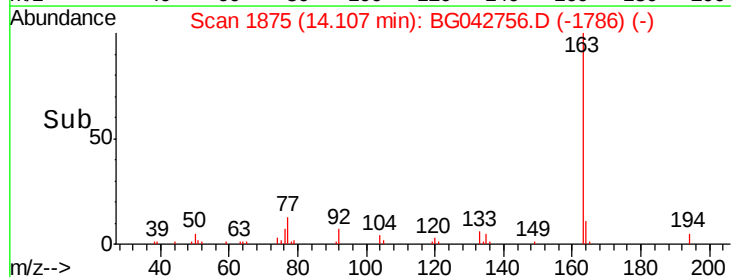
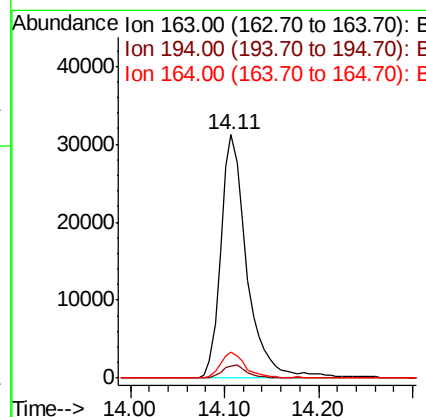
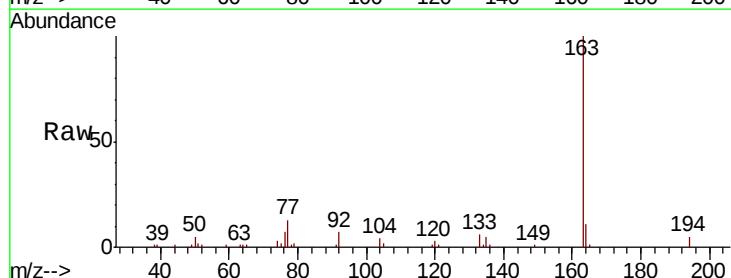
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.5	45.7
170	24.0	20.2	30.2



#50
 Dimethylphthalate
 Concen: 6.945 ng
 RT: 14.11 min Scan# 1875
 Delta R.T. -0.01 min
 Lab File: BG042756.D
 Acq: 6 Sep 2019 20:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	4.2	6.2
164	10.7	8.8	13.2

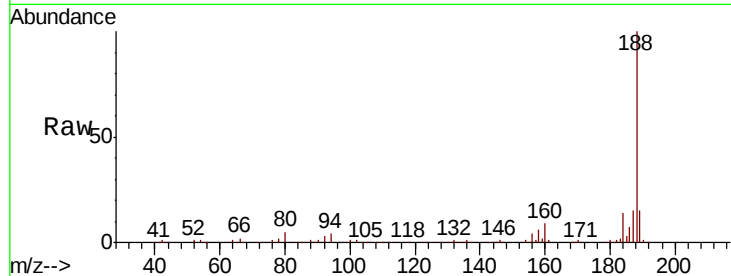




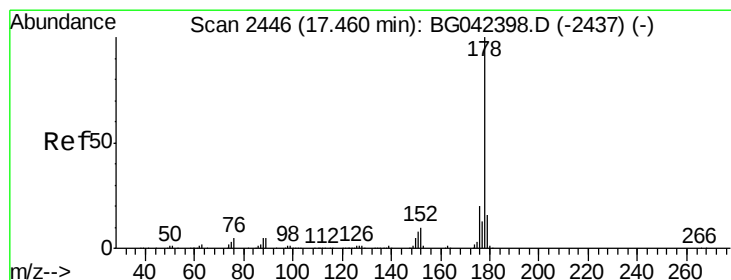
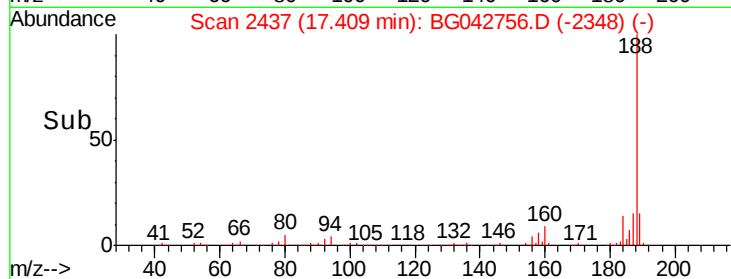
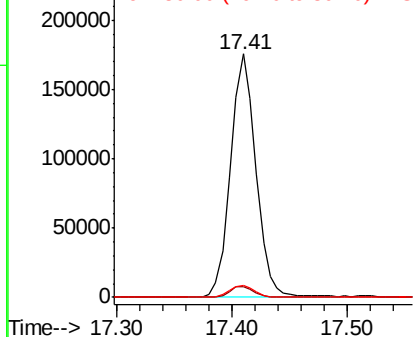
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:188 Resp: 267956
Ion Ratio Lower Upper
188 100
94 4.2 4.5 6.7#
80 4.7 4.9 7.3#

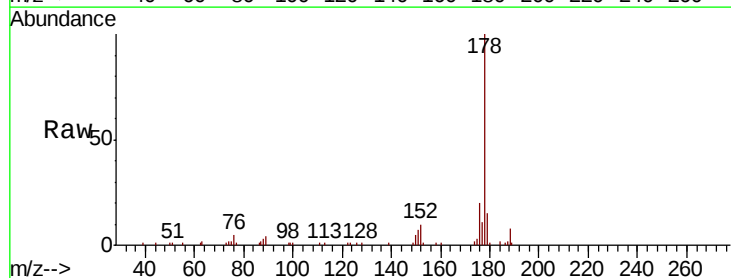


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

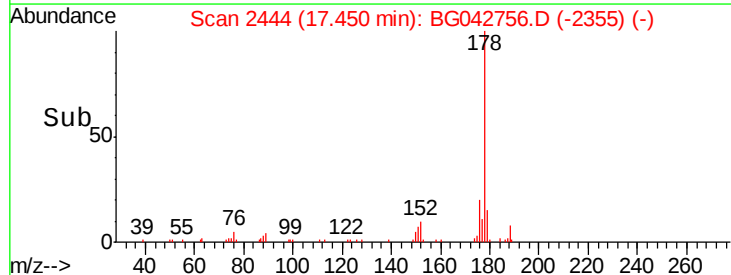
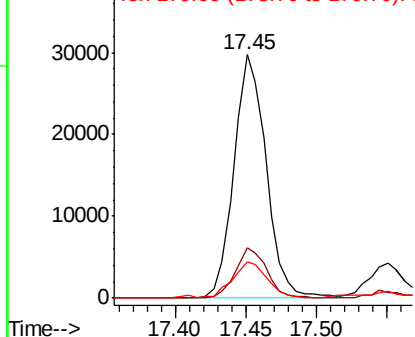


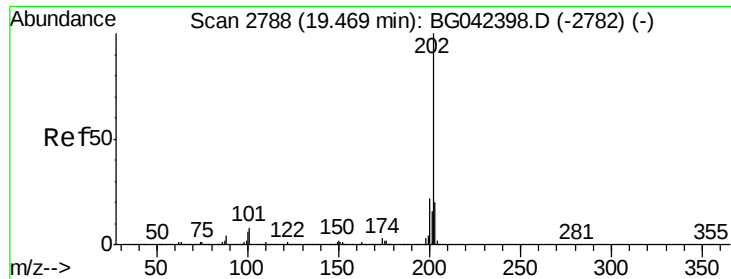
#71
Phenanthrene
Concen: 3.570 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Tgt Ion:178 Resp: 47522
Ion Ratio Lower Upper
178 100
176 20.5 15.9 23.9
179 14.9 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.205 ng

RT: 19.47 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BG042756.D

Acq: 6 Sep 2019 20:31

Instrument :

BNA_G

ClientSampled :

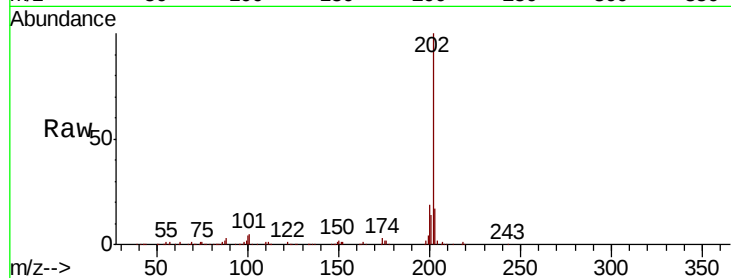
Tot Ion:202 Resp: 133277

Ion Ratio Lower Upper

202 100

101 5.1 0.0 28.3

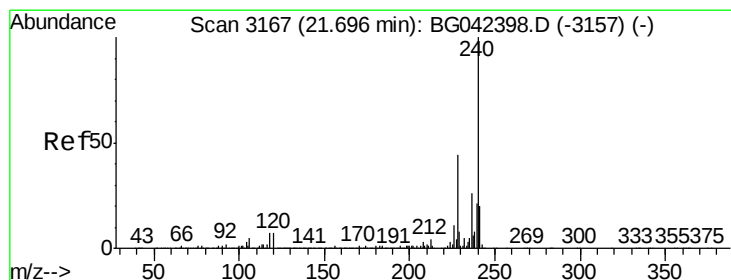
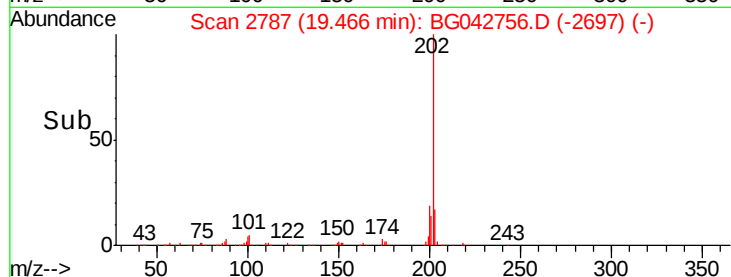
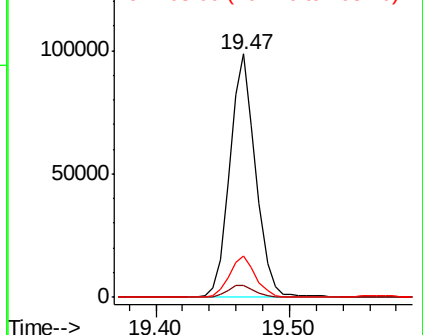
203 17.1 0.0 39.6



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: 21.69 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042756.D

Acq: 6 Sep 2019 20:31

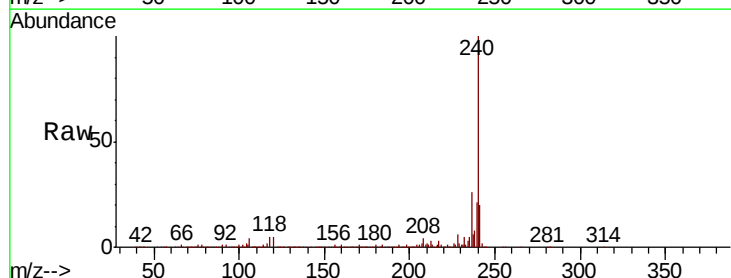
Tgt Ion:240 Resp: 231462

Ion Ratio Lower Upper

240 100

120 5.0 5.7 8.5#

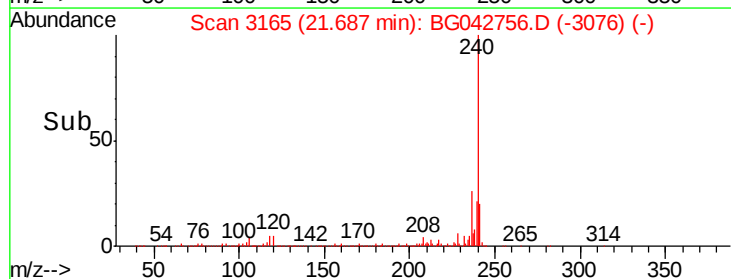
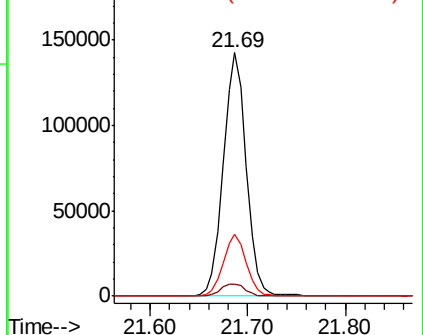
236 25.6 21.0 31.4

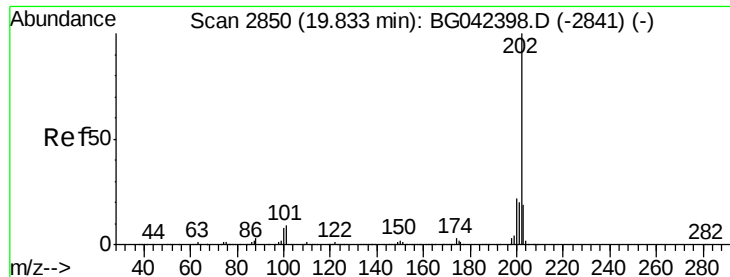


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

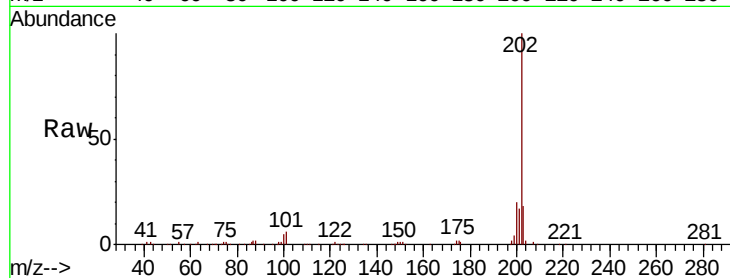




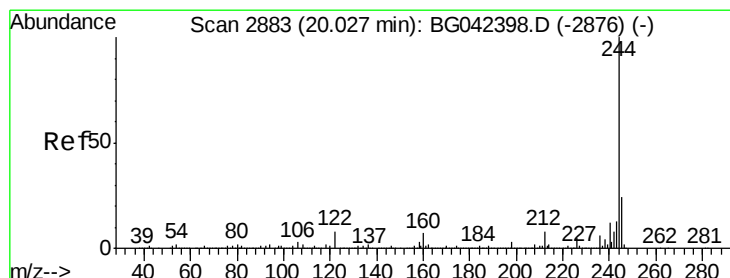
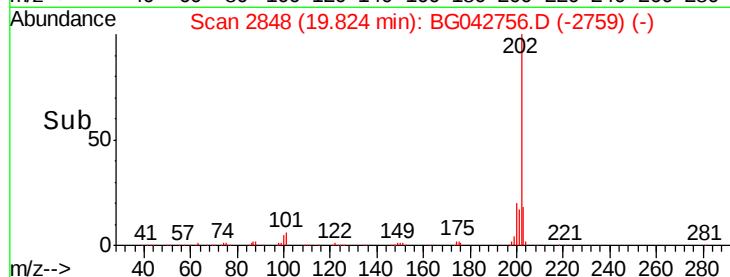
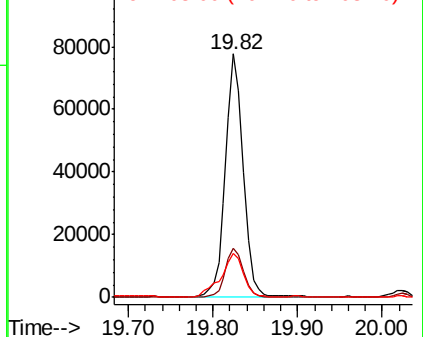
#78
Pvrene
Concen: 8.047 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:202 Resp: 114194
Ion Ratio Lower Upper
202 100
200 20.3 17.8 26.6
203 18.0 15.5 23.3

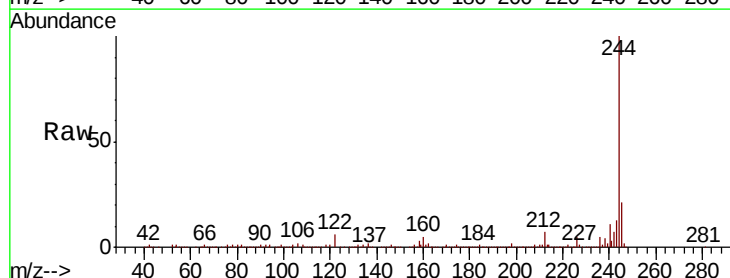


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

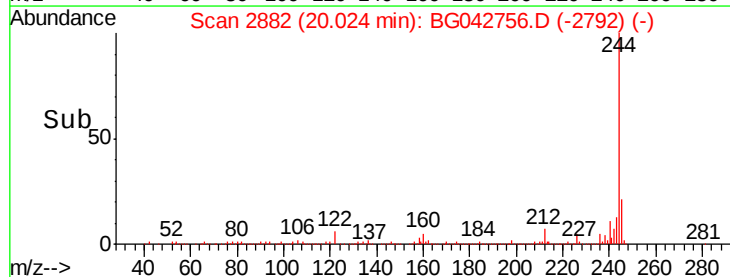
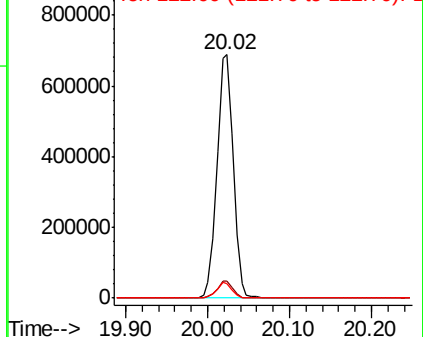


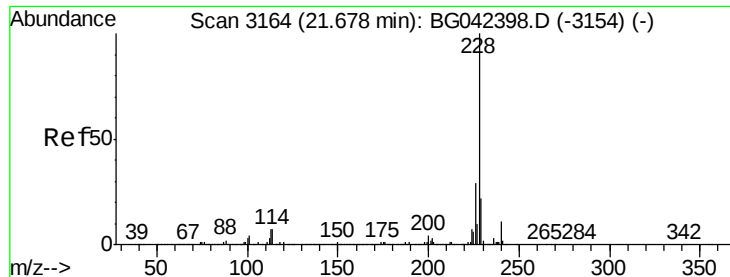
#79
Terphenyl-d14
Concen: 89.654 ng
RT: 20.02 min Scan# 2882
Delta R.T. -0.00 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Tgt Ion:244 Resp: 959861
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 6.0 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

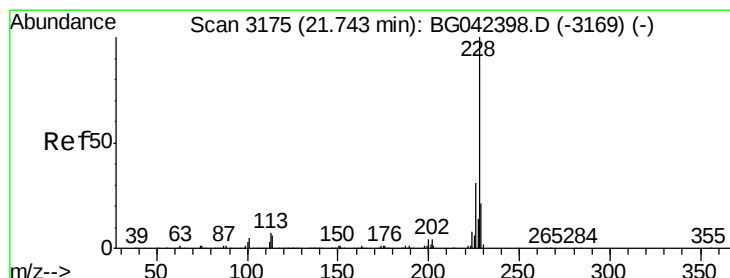
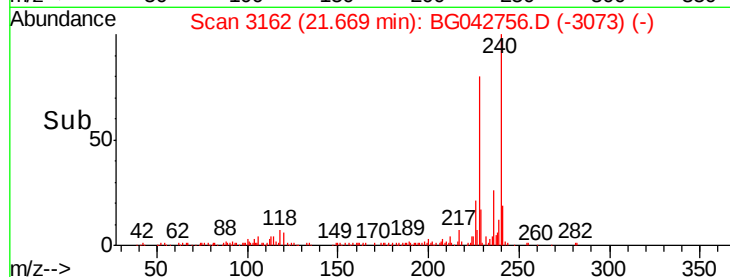
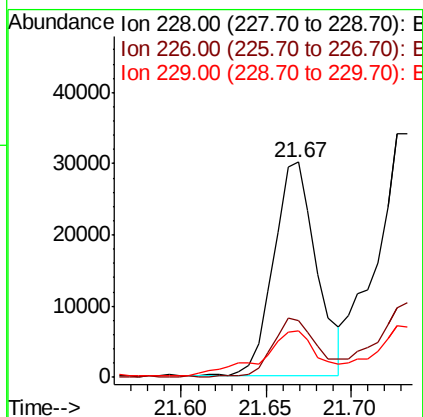
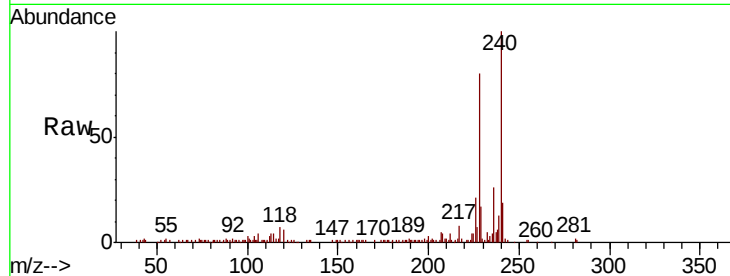




#81
Benzo(a)anthracene
Concen: 3.765 ng
RT: 21.67 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

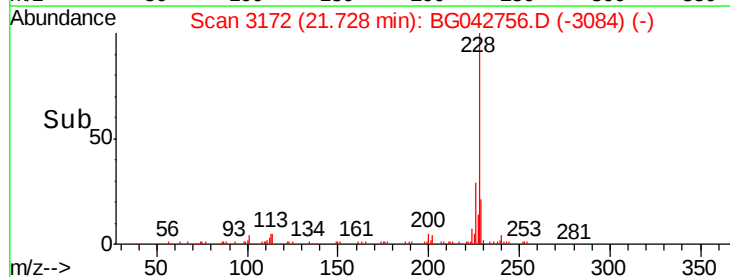
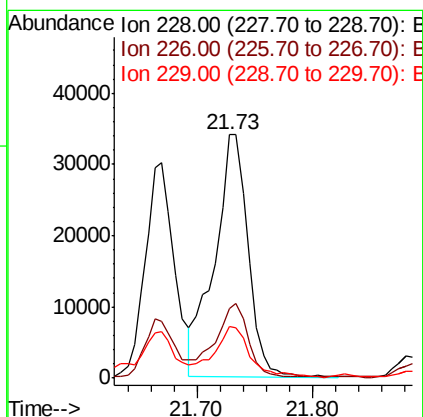
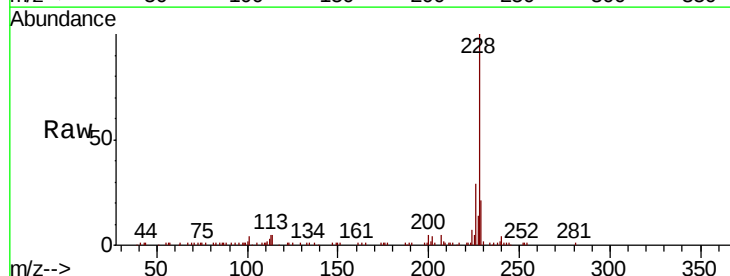
Instrument :
BNA_G
ClientSampleId :

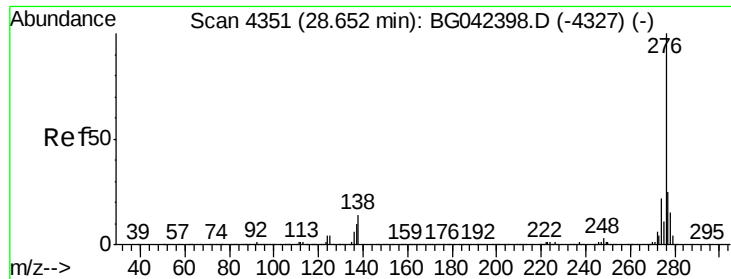
Tot Ion:228 Resp: 53013
Ion Ratio Lower Upper
228 100
226 26.3 23.4 35.2
229 21.7 17.4 26.2



#83
Chrysene
Concen: 5.076 ng
RT: 21.73 min Scan# 3172
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Tgt Ion:228 Resp: 68928
Ion Ratio Lower Upper
228 100
226 28.5 24.9 37.3
229 21.0 16.9 25.3

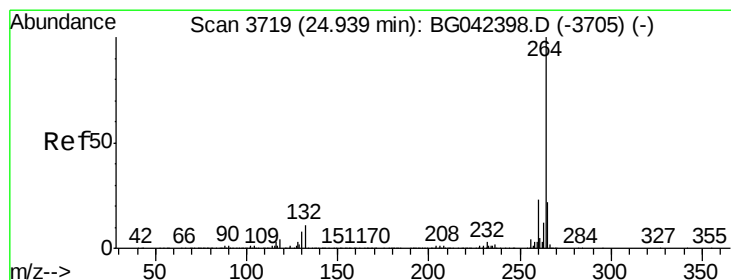
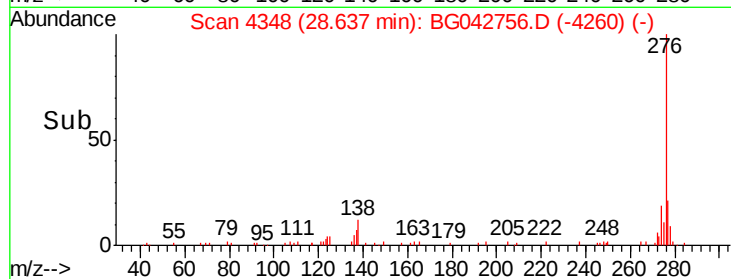
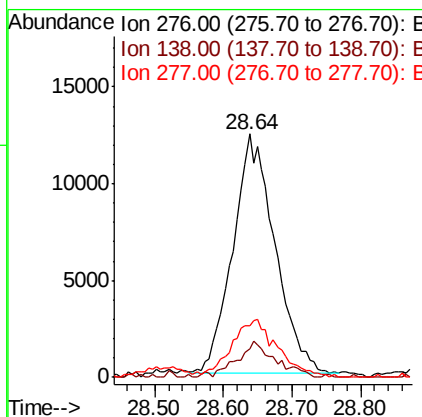
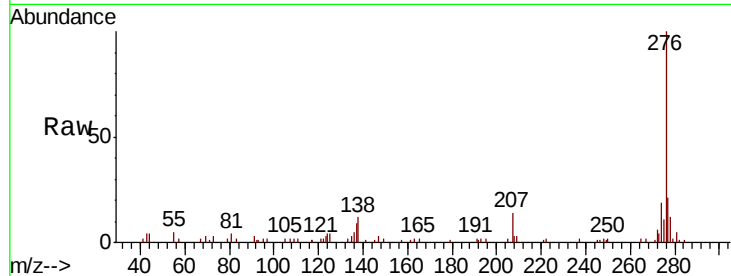




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.823 ng
 RT: 28.64 min Scan# 4348
 Delta R.T. -0.01 min
 Lab File: BG042756.D
 Acq: 6 Sep 2019 20:31

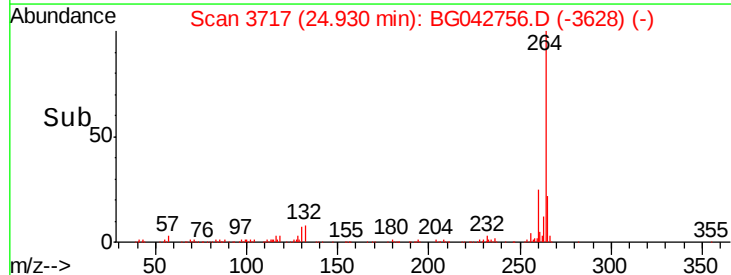
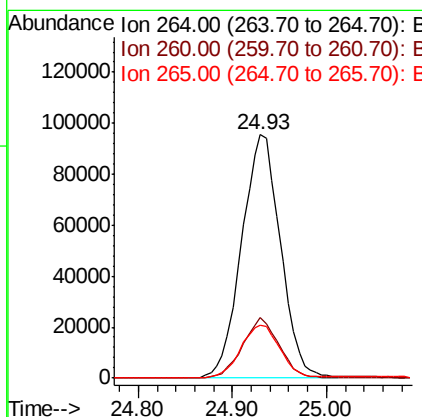
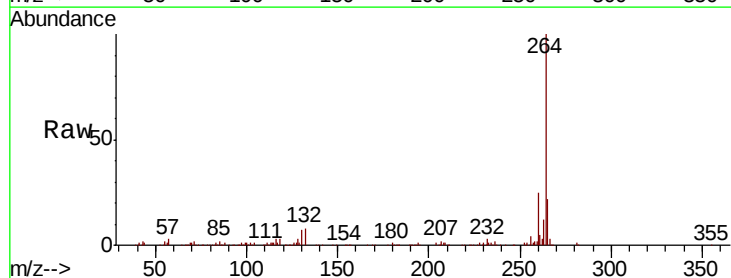
Instrument :
 BNA_G
 ClientSampleId :

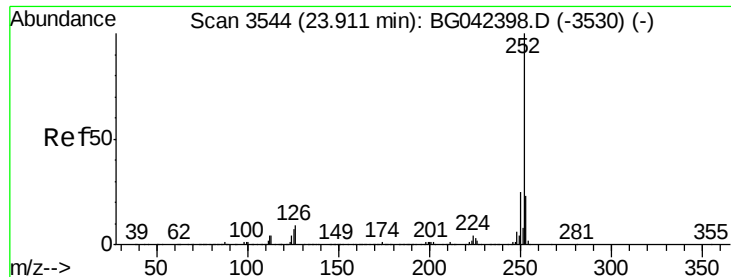
Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	12.3	9.2	13.8	
277	26.7	21.0	31.6	



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.93 min Scan# 3717
 Delta R.T. -0.01 min
 Lab File: BG042756.D
 Acq: 6 Sep 2019 20:31

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.7	18.5	27.7	
265	21.6	17.6	26.4	

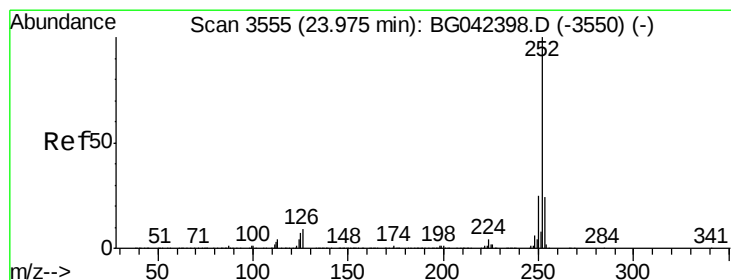
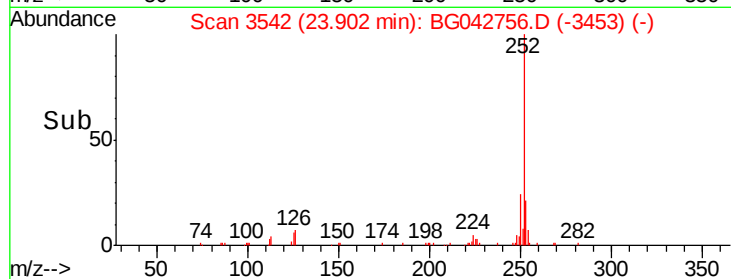
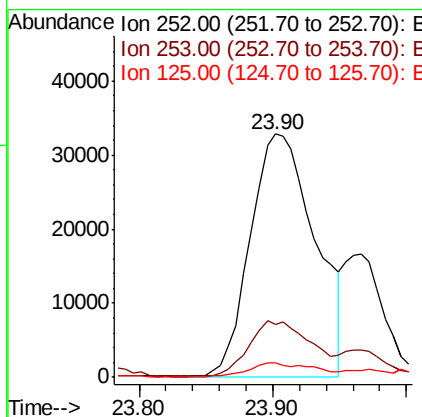
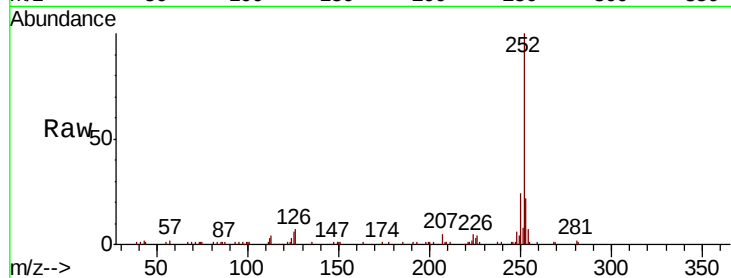




#88
Benzo(b)fluoranthene
Concen: 7.386 ng
RT: 23.90 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

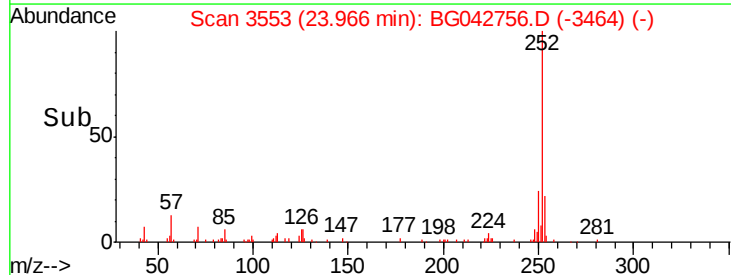
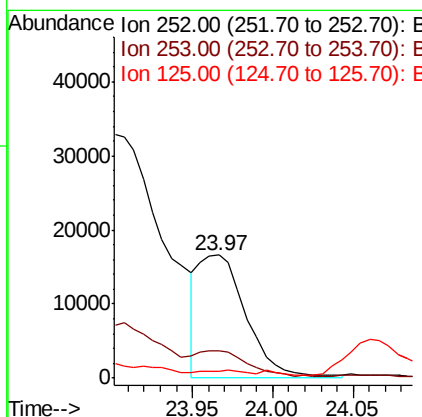
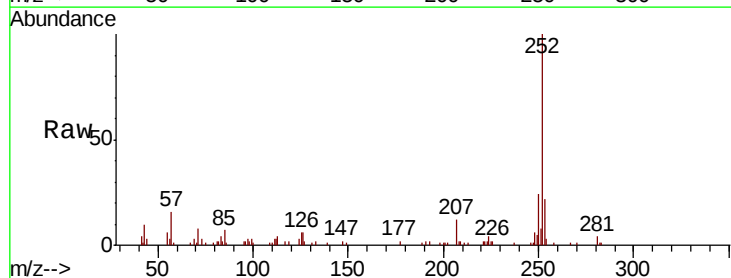
Instrument :
BNA_G
ClientSampleId :

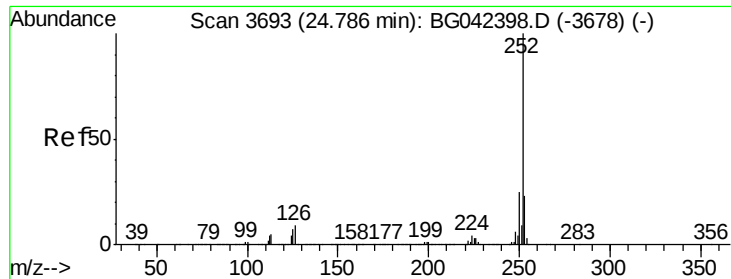
Tot Ion:252 Resp: 110908
Ion Ratio Lower Upper
252 100
253 21.9 18.6 27.8
125 6.0 5.6 8.4



#89
Benzo(k)fluoranthene
Concen: 2.409 ng m
RT: 23.97 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Tgt Ion:252 Resp: 34769
Ion Ratio Lower Upper
252 100
253 22.2 18.6 27.8
125 5.9 5.8 8.6

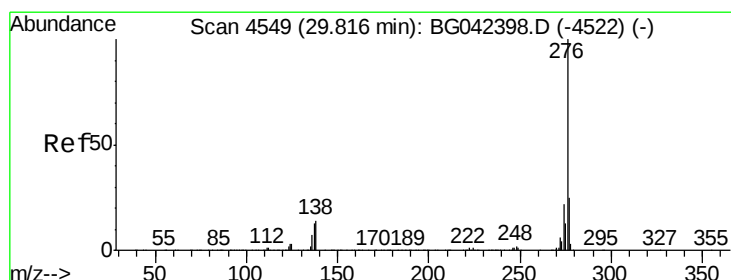
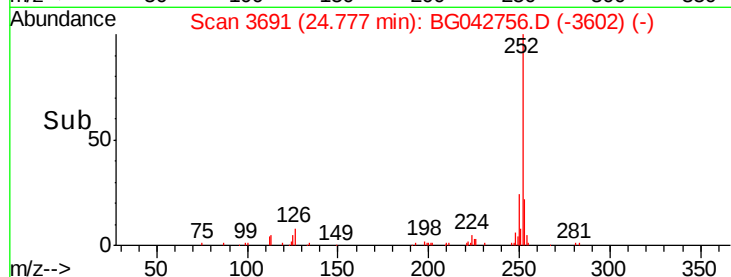
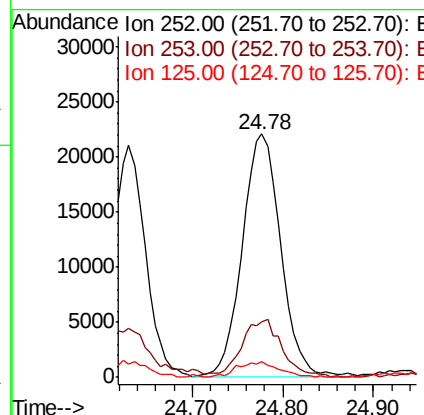
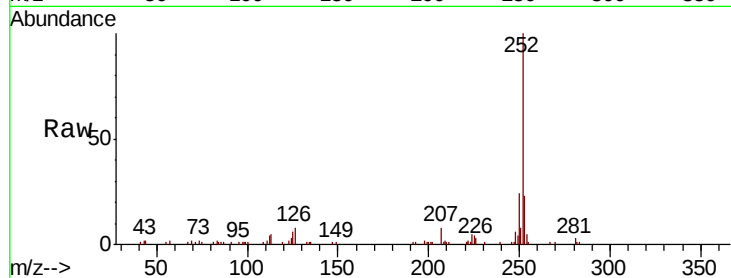




#90
Benzo(a)pyrene
Concen: 4.585 ng
RT: 24.78 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:252 Resp: 65334
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 6.3 6.0 9.0



#92
Benzo(g,h,i)perylene
Concen: 3.812 ng
RT: 29.79 min Scan# 4545
Delta R.T. -0.02 min
Lab File: BG042756.D
Acq: 6 Sep 2019 20:31

Tgt Ion:276 Resp: 55012
Ion Ratio Lower Upper
276 100
277 24.3 19.8 29.8
138 12.4 11.4 17.0

