

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
 Data File : BG042616.D
 Acq On : 31 Aug 2019 1:07
 Operator : HP/JU
 Sample : K4618-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Aug 31 05:16:17 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

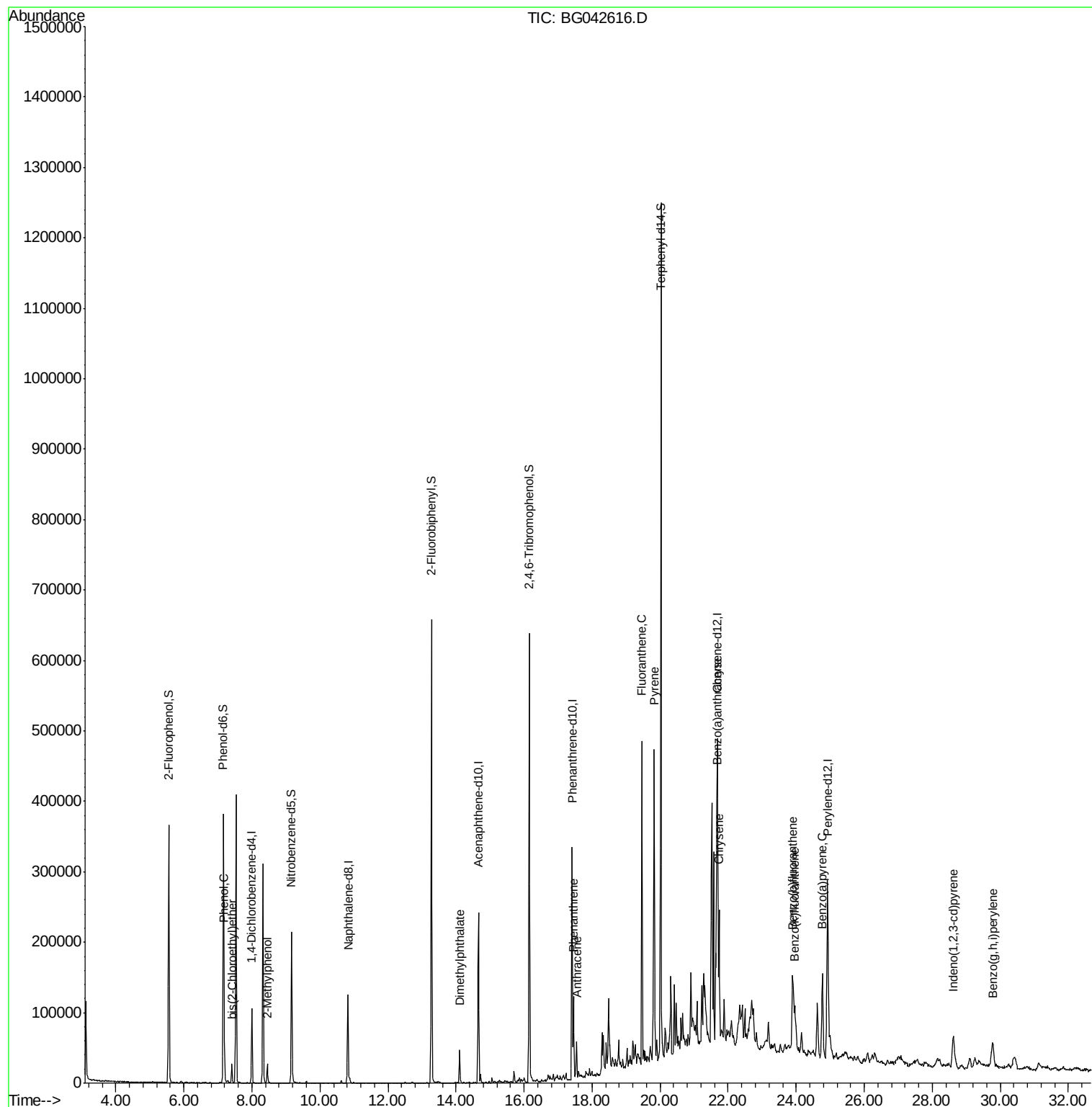
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	34417	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	135345	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	97946	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	219180	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	229599	20.00	ng	-0.01
87) Perylene-d12	24.92	264	276485	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	190557	112.13	ng	0.00
7) Phenol-d6	7.16	99	250868	109.29	ng	-0.01
23) Nitrobenzene-d5	9.16	82	137788	70.35	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	157923	113.44	ng	-0.01
45) 2-Fluorobiphenyl	13.28	172	395252	68.25	ng	0.00
79) Terphenyl-d14	20.02	244	654952	61.67	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.18	94	21324	9.137	ng	90
11) bis(2-Chloroethyl)ether	7.41	93	17368	9.475	ng	95
17) 2-Methylphenol	8.45	107	10417	6.060	ng	91
50) Dimethylphthalate	14.11	163	43098	6.098	ng	97
71) Phenanthrene	17.45	178	80023	7.350	ng	96
72) Anthracene	17.54	178	39190	3.606	ng	97
75) Fluoranthene	19.46	202	297911	22.422	ng	96
78) Pyrene	19.82	202	321325	22.827	ng	97
81) Benzo(a)anthracene	21.66	228	166794	11.942	ng	97
83) Chrysene	21.73	228	139949	10.390	ng	98
86) Indeno(1,2,3-cd)pyrene	28.62	276	78368	4.281	ng	# 96
88) Benzo(b)fluoranthene	23.90	252	163910	10.783	ng	99
89) Benzo(k)fluoranthene	23.96	252	56151m	3.843	ng	
90) Benzo(a)pyrene	24.77	252	149483m	10.364	ng	
92) Benzo(a,h,i)perylene	29.76	276	79251	5.426	ng	94

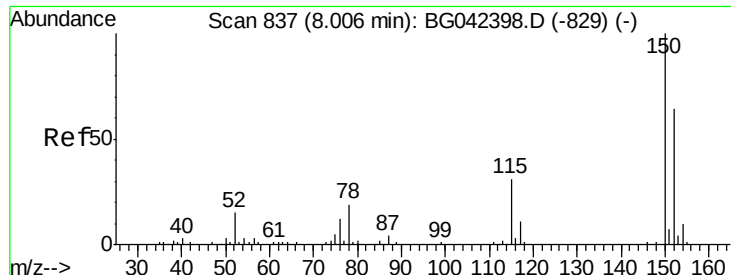
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\
Data File : BG042616.D
Acq On : 31 Aug 2019 1:07
Operator : HP/JU
Sample : K4618-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Aug 31 05:16:17 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



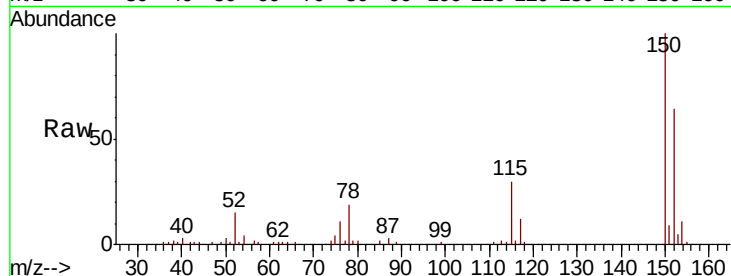


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.4	188.0
115	47.2	38.5	57.7

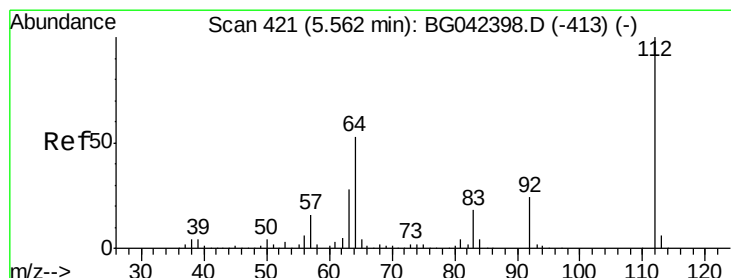
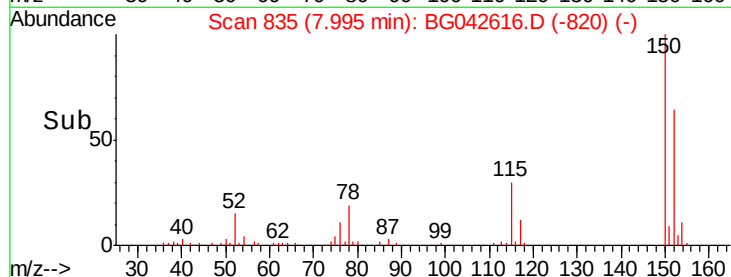
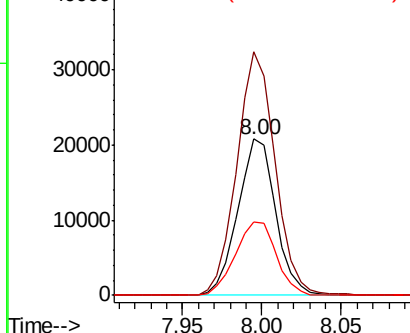


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

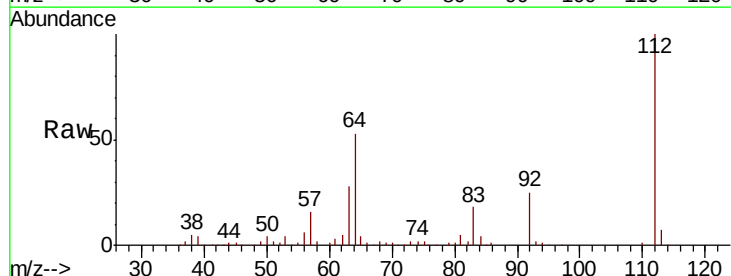
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 112.135 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	42.8	64.2
63	27.9	22.7	34.1

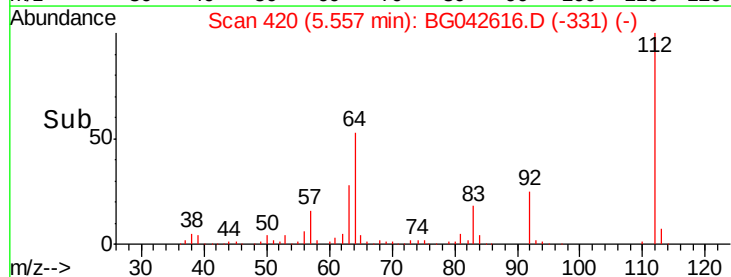
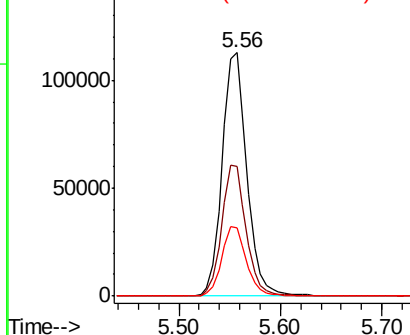


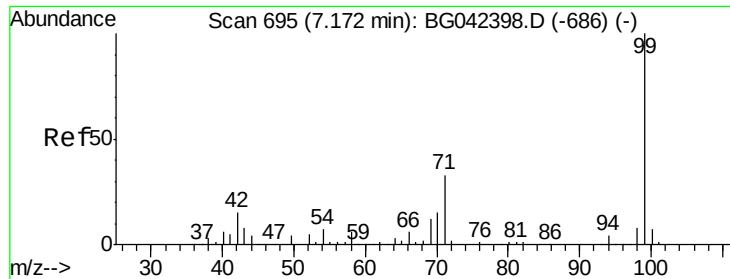
Abundance

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: 109.289 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Instrument :

BNA_G

ClientSampleId :

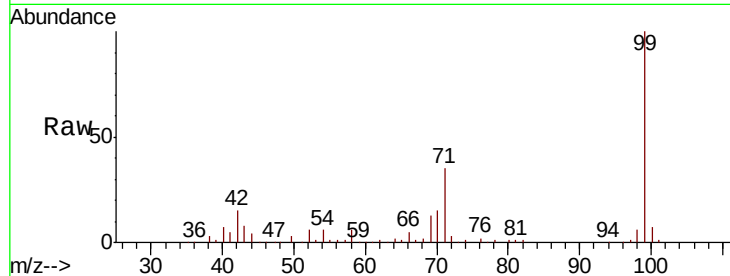
Tot Ion: 99 Resp: 250868

Ion Ratio Lower Upper

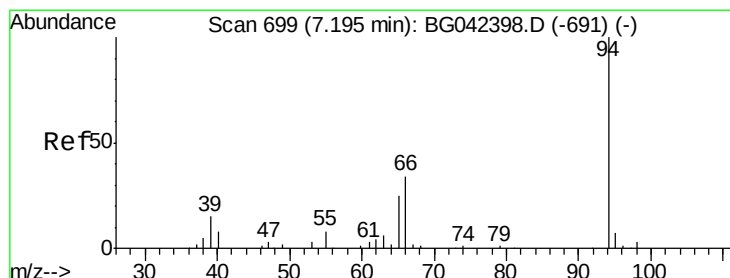
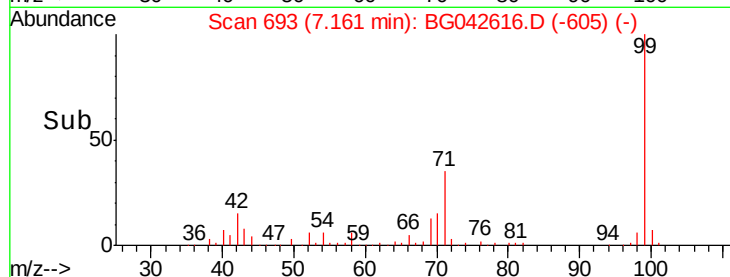
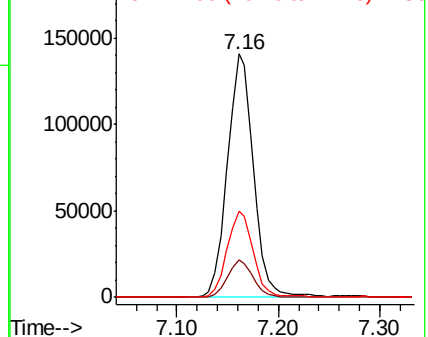
99 100

42 15.3 12.0 18.0

71 35.4 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: 9.137 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

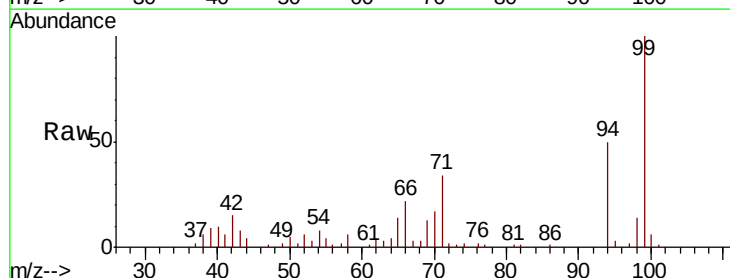
Tgt Ion: 94 Resp: 21324

Ion Ratio Lower Upper

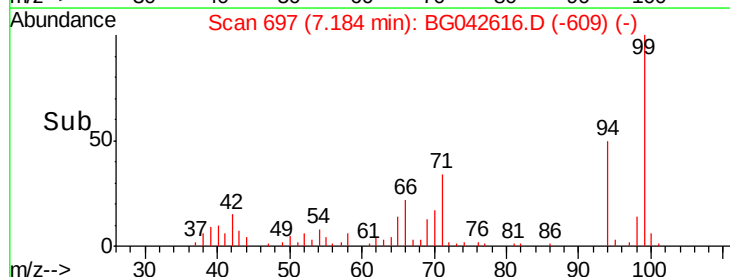
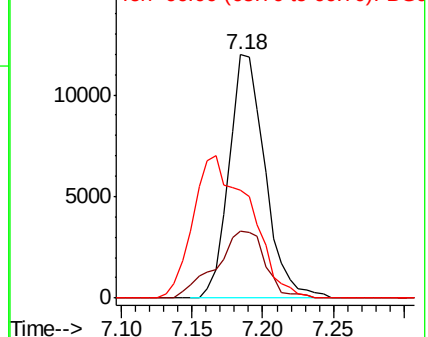
94 100

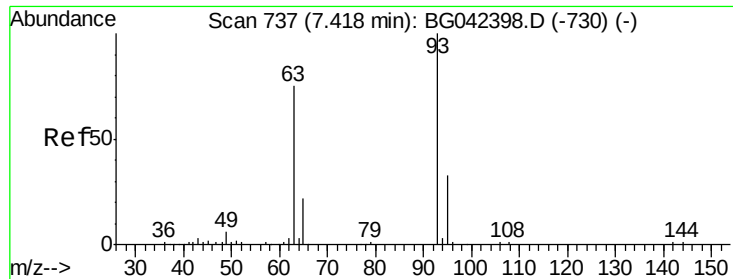
65 27.6 5.6 45.6

66 44.5 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

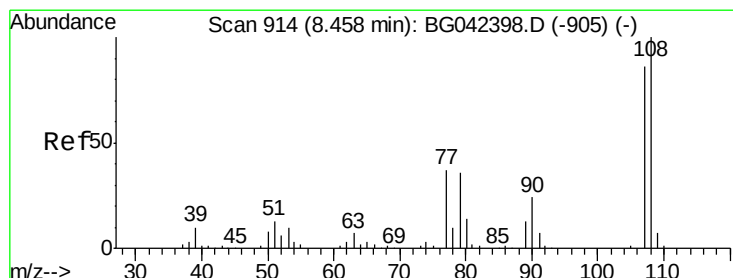
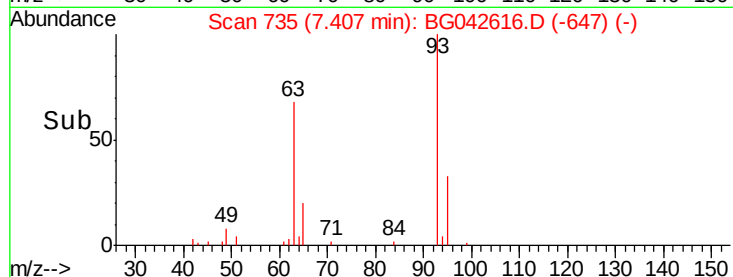
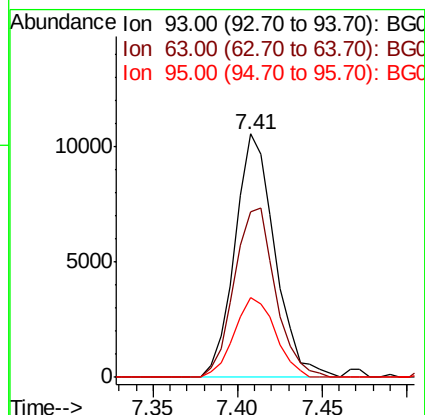
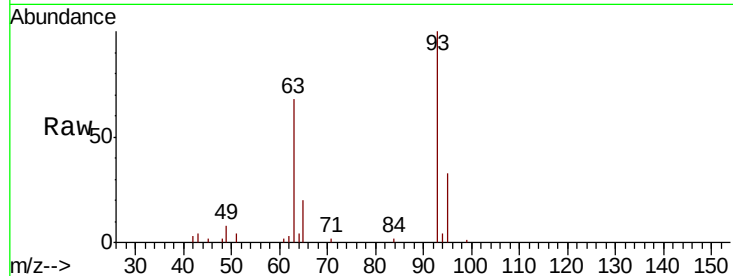




#11
bis(2-Chloroethyl)ether
Concen: 9.475 ng
RT: 7.41 min Scan# 735
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

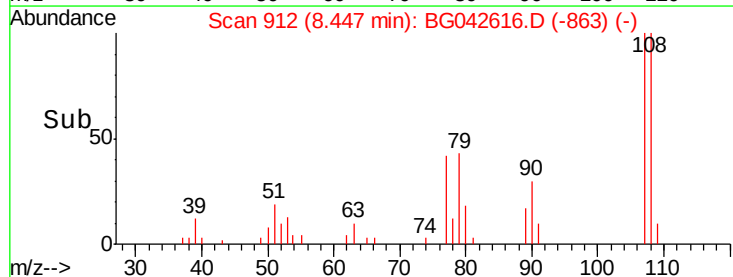
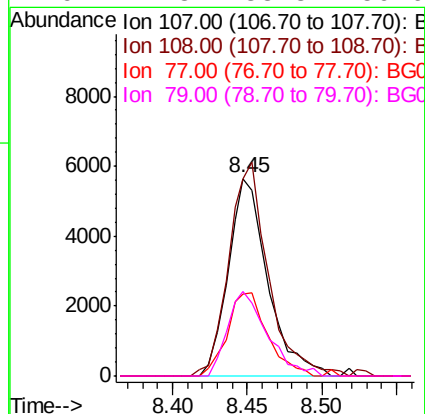
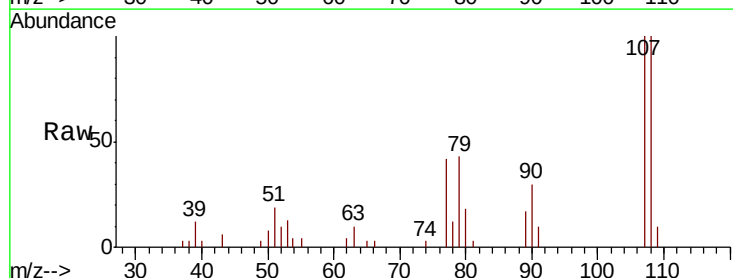
Instrument :
BNA_G
ClientSampleId :

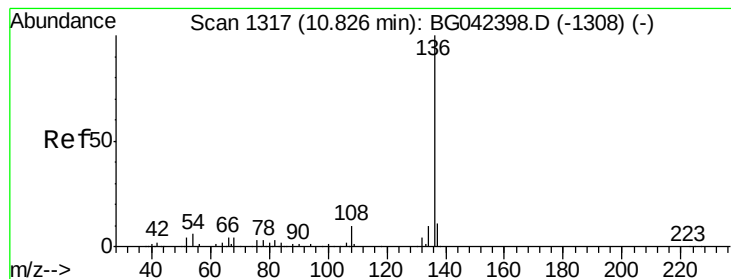
Tot Ion: 93 Resp: 17368
Ion Ratio Lower Upper
93 100
63 68.2 53.8 93.8
95 32.5 13.1 53.1



#17
2-Methylphenol
Concen: 6.060 ng
RT: 8.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion: 107 Resp: 10417
Ion Ratio Lower Upper
107 100
108 100.1 92.9 139.3
77 41.6 34.4 51.6
79 42.8 33.8 50.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 135345

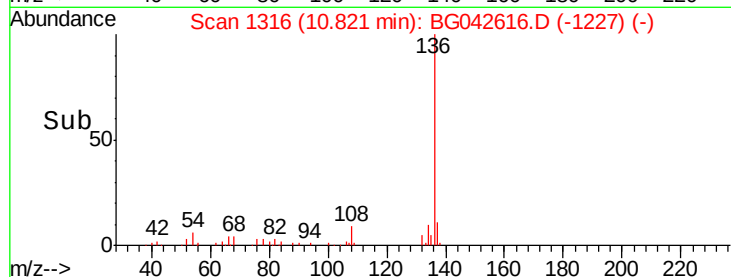
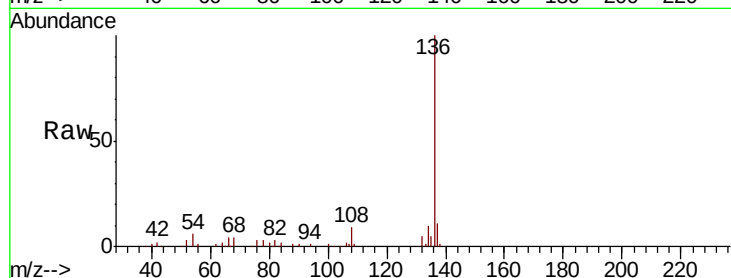
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 6.0 4.9 7.3

68 3.7 3.6 5.4

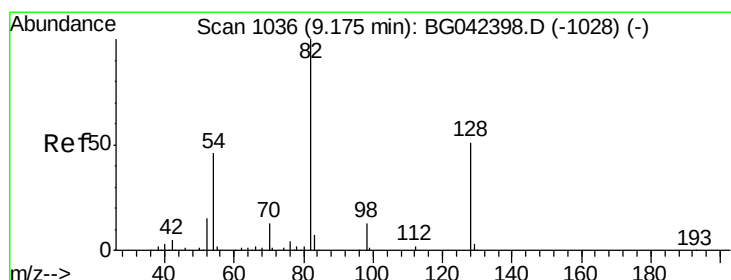
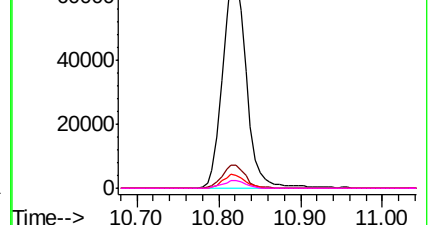


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 70.351 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

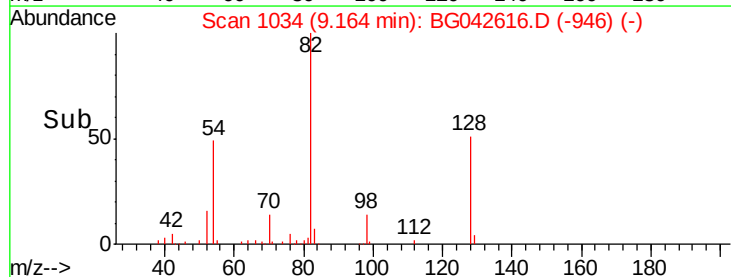
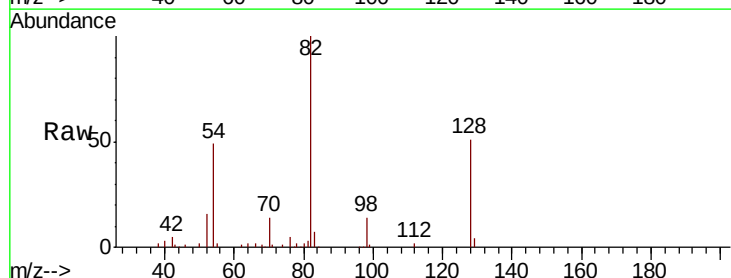
Tgt Ion: 82 Resp: 137788

Ion Ratio Lower Upper

82 100

128 51.0 40.7 61.1

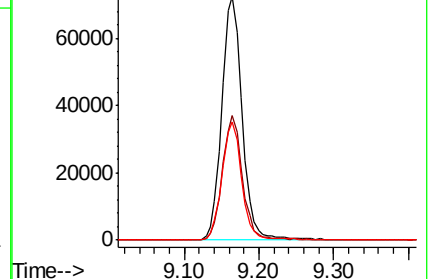
54 48.7 36.3 54.5

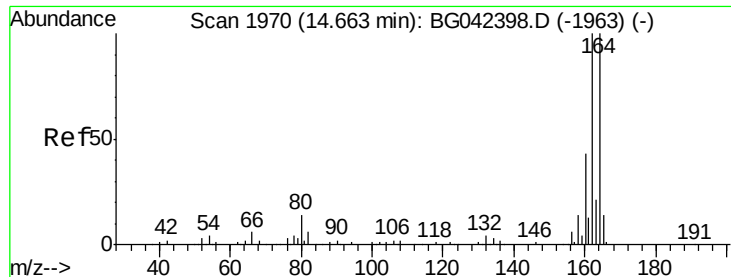


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Instrument :

BNA_G

ClientSampleId :

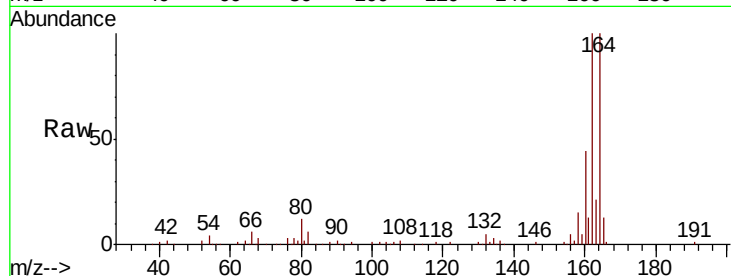
Tot Ion:164 Resp: 97946

Ion Ratio Lower Upper

164 100

162 100.2 79.9 119.9

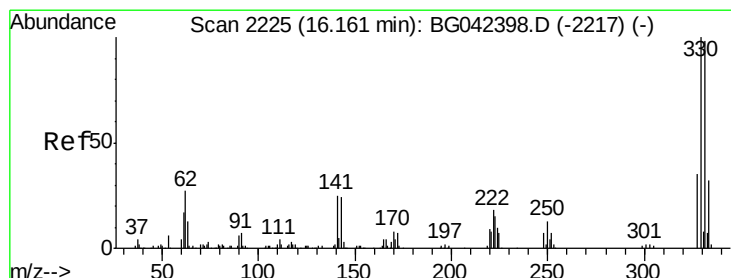
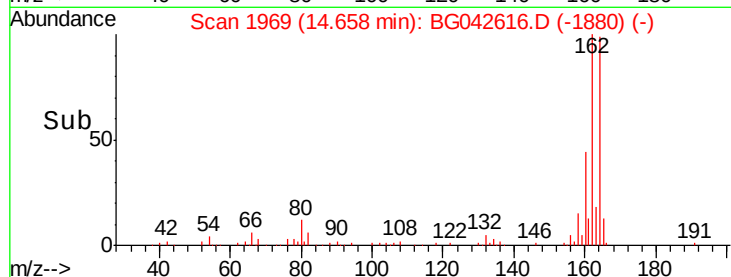
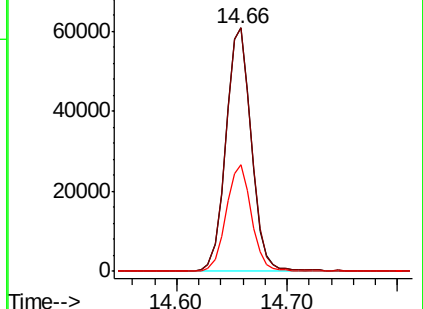
160 44.1 34.3 51.5



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: 113.439 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

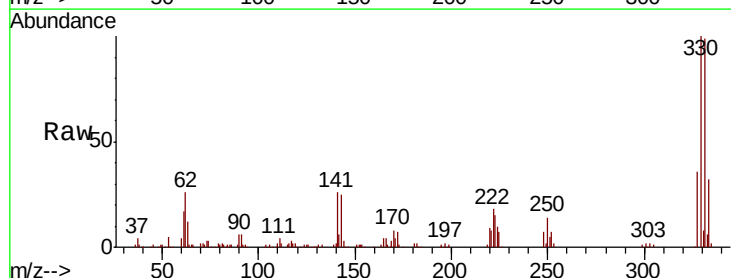
Tgt Ion:330 Resp: 157923

Ion Ratio Lower Upper

330 100

332 98.0 77.4 116.0

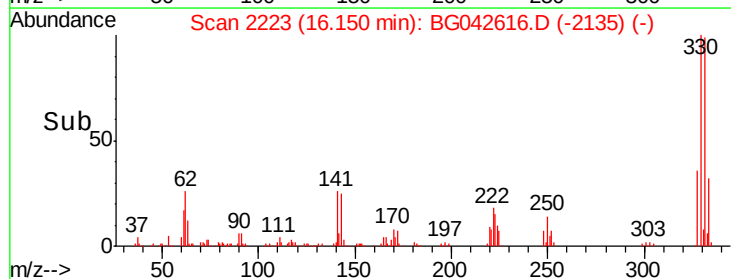
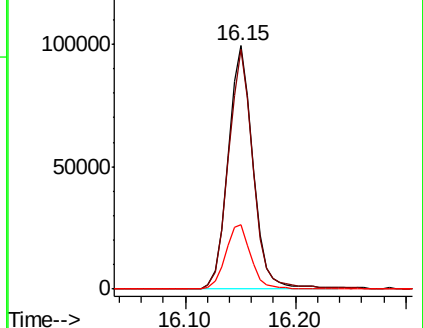
141 27.0 21.4 32.0

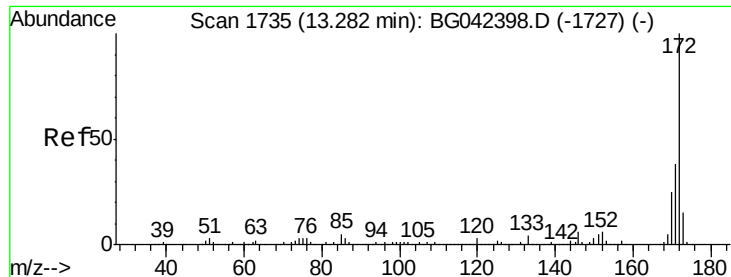


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

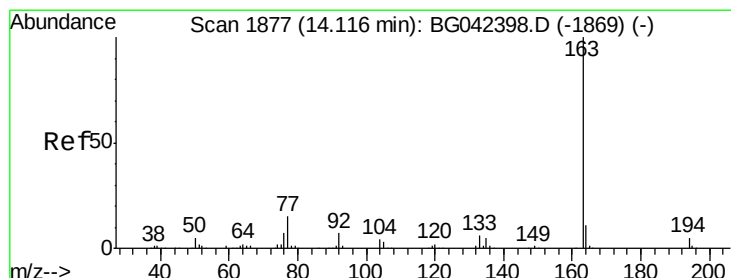
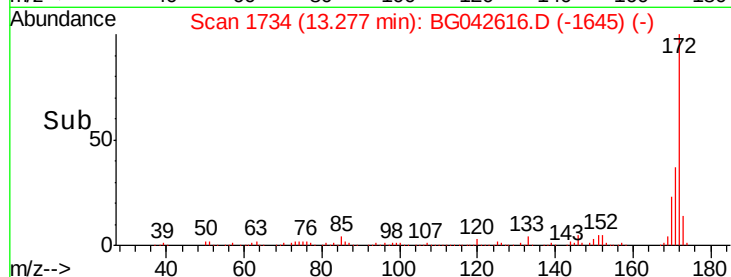
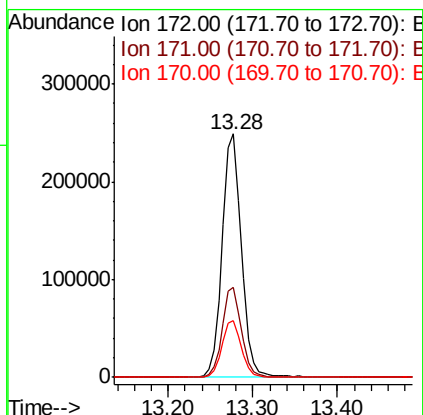
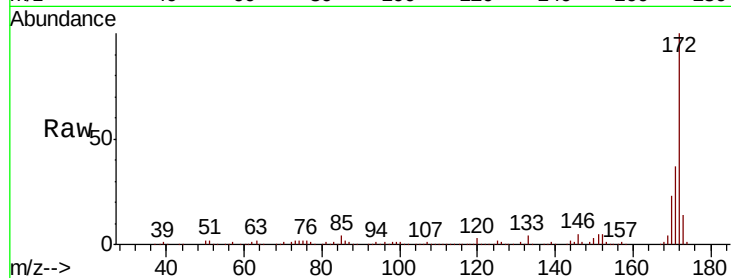




#45
2-Fluorobiphenyl
Concen: 68.250 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

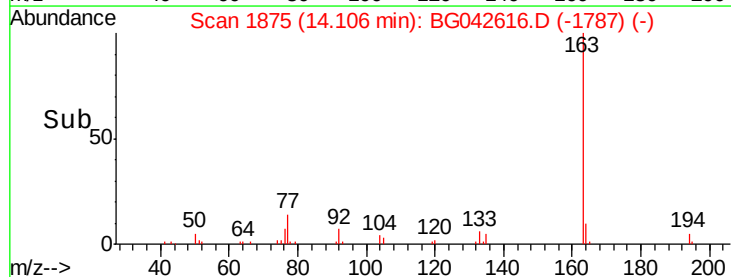
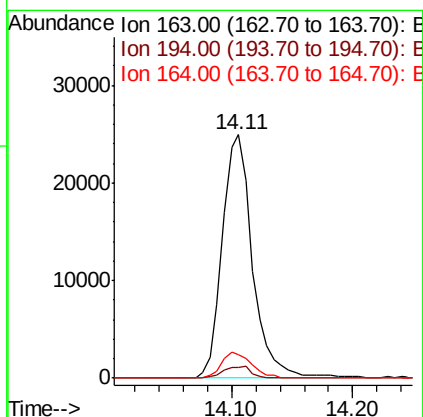
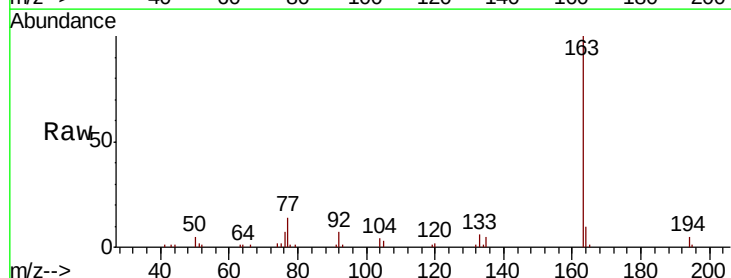
Instrument :
BNA_G
ClientSampleId :

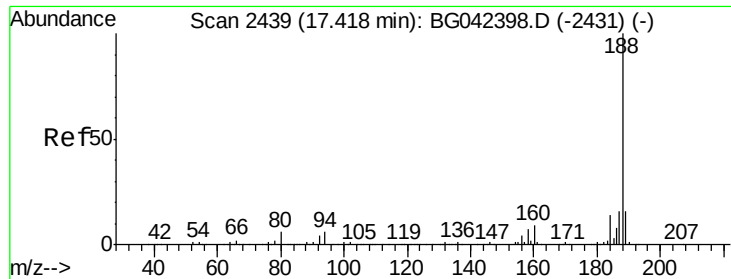
Tot Ion:172 Resp: 395252
Ion Ratio Lower Upper
172 100
171 36.8 30.5 45.7
170 23.2 20.2 30.2



#50
Dimethylphthalate
Concen: 6.098 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion:163 Resp: 43098
Ion Ratio Lower Upper
163 100
194 4.6 4.2 6.2
164 9.6 8.8 13.2

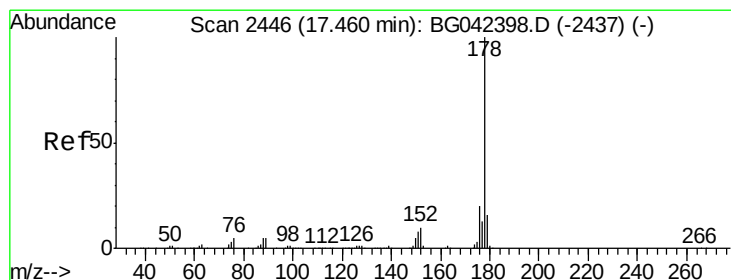
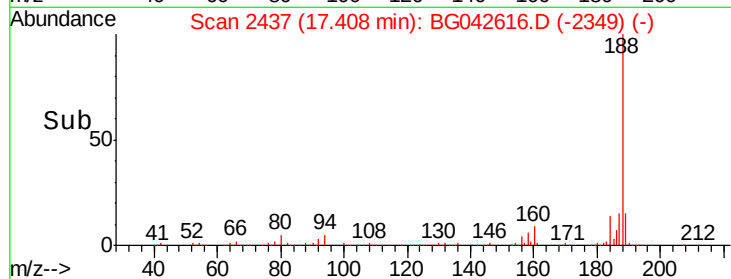
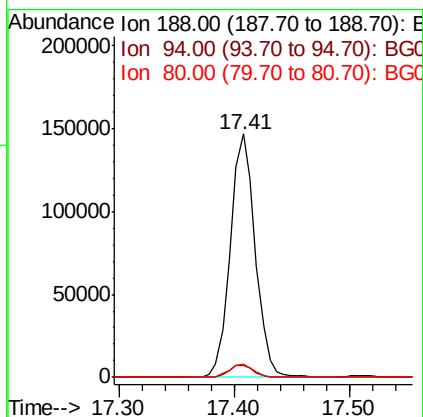
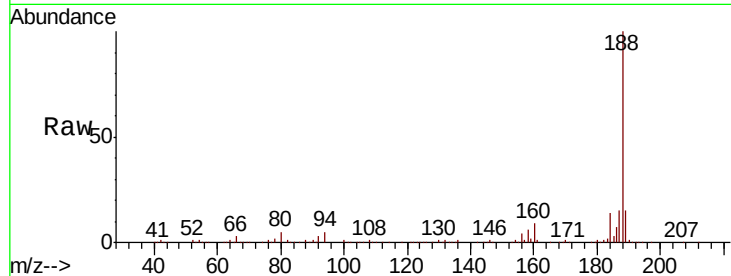




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

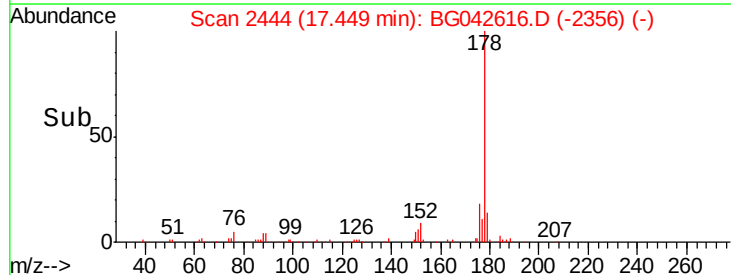
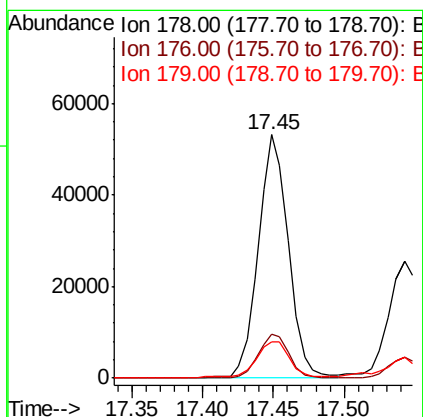
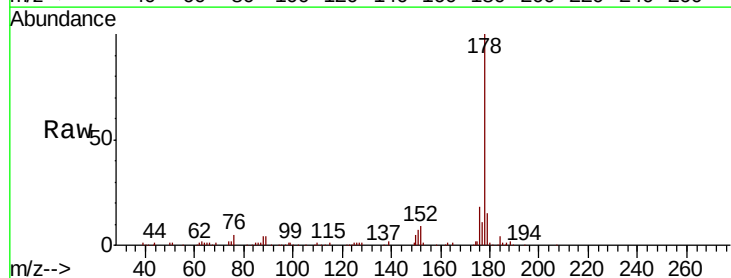
Instrument :
BNA_G
ClientSampleId :

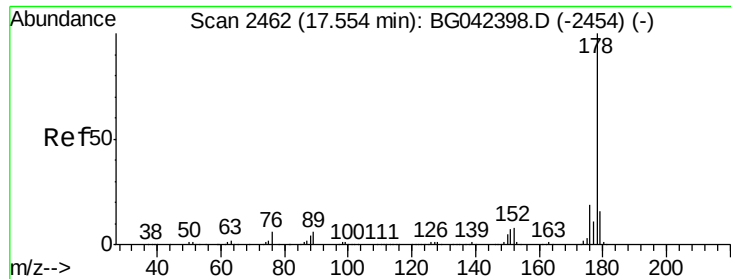
Tot Ion:188 Resp: 219180
Ion Ratio Lower Upper
188 100
94 5.0 4.5 6.7
80 5.3 4.9 7.3



#71
Phenanthrene
Concen: 7.350 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion:178 Resp: 80023
Ion Ratio Lower Upper
178 100
176 17.9 15.9 23.9
179 14.7 12.7 19.1

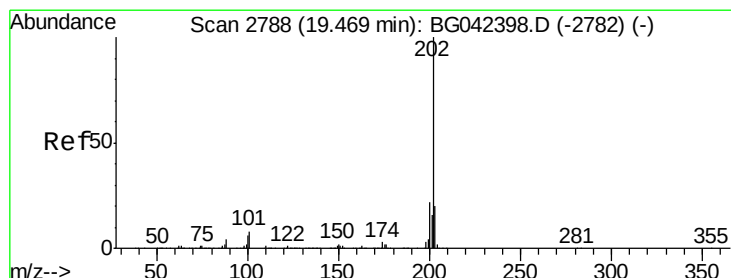
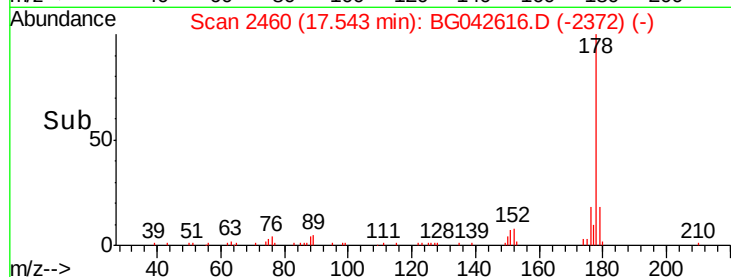
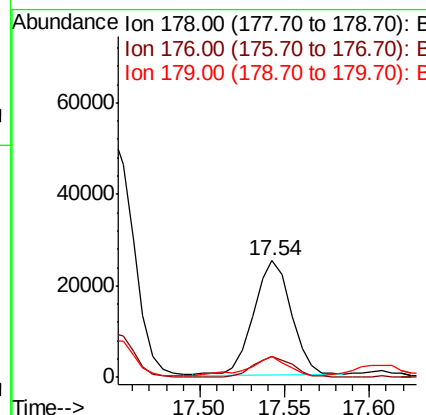
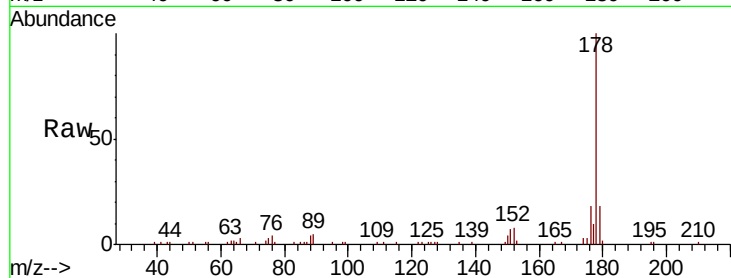




#72
 Anthracene
 Concen: 3.606 ng
 RT: 17.54 min Scan# 2460
 Delta R.T. -0.01 min
 Lab File: BG042616.D
 Acq: 31 Aug 2019 1:07

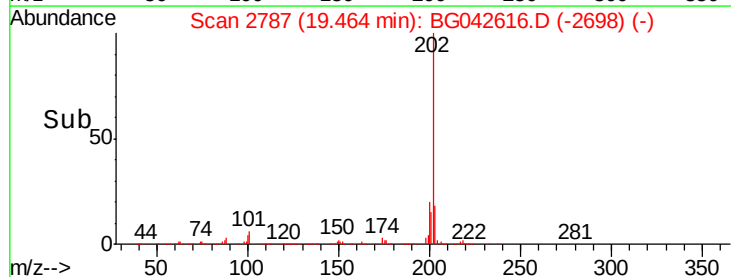
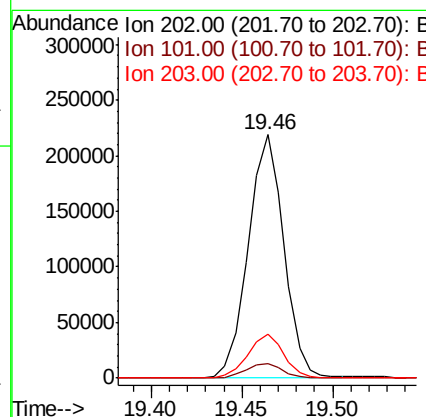
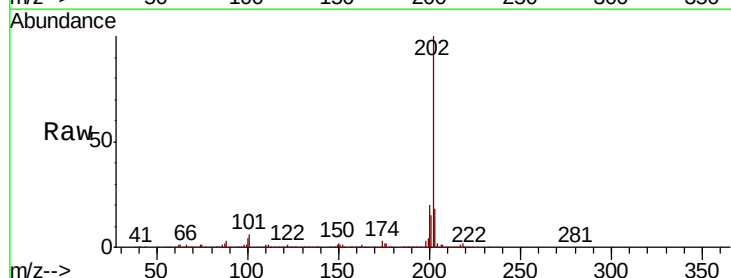
Instrument :
 BNA_G
 ClientSampleId :

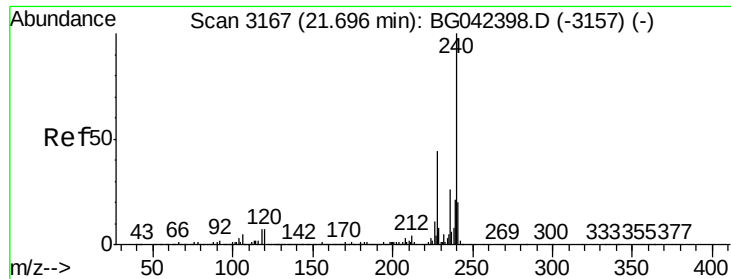
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.5	23.3
179	17.5	12.9	19.3



#75
 Fluoranthene
 Concen: 22.422 ng
 RT: 19.46 min Scan# 2787
 Delta R.T. -0.00 min
 Lab File: BG042616.D
 Acq: 31 Aug 2019 1:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.8	0.0	28.3
203	18.1	0.0	39.6

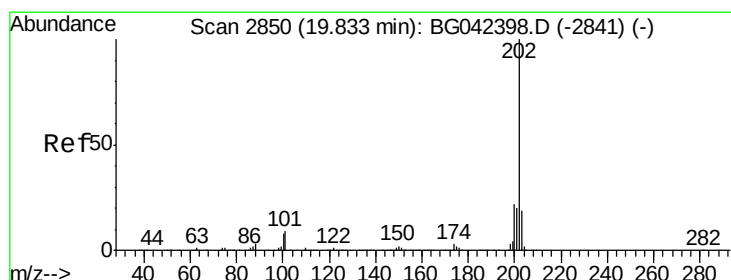
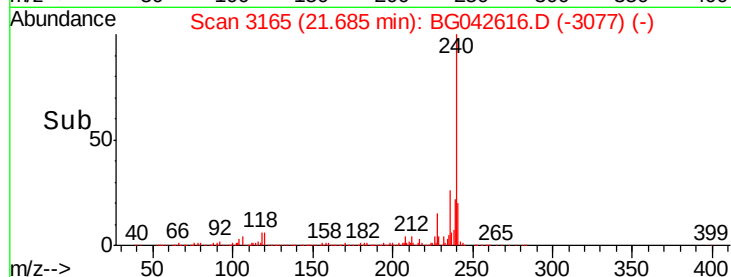
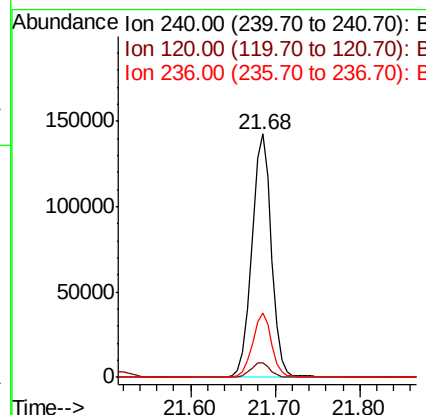
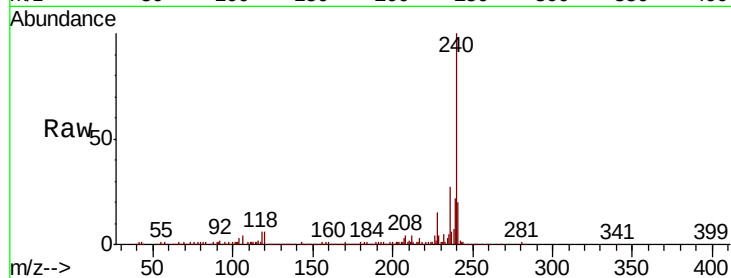




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

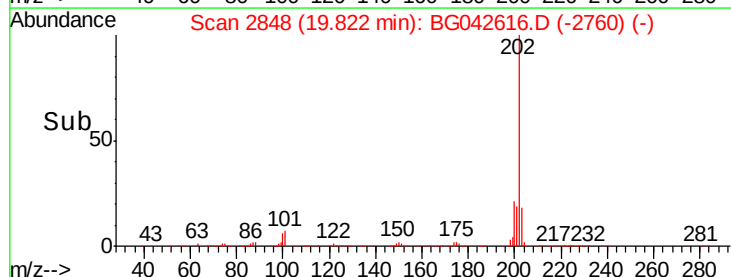
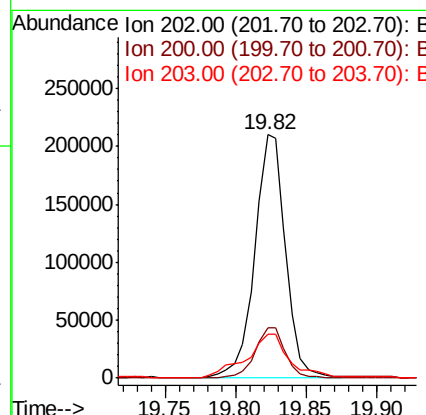
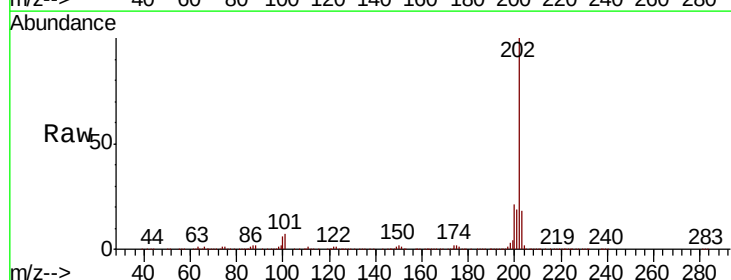
Instrument :
BNA_G
ClientSampleId :

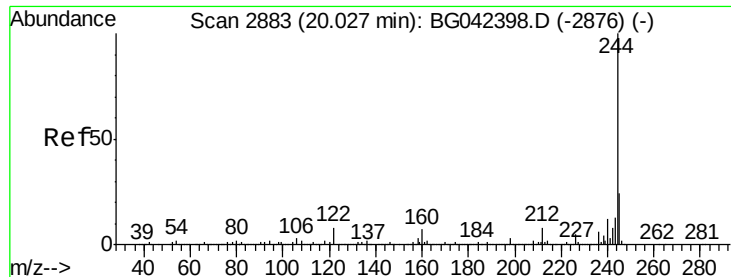
Tot Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.7	8.5
236	26.5	21.0	31.4



#78
Pyrene
Concen: 22.827 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.8	26.6
203	18.0	15.5	23.3





#79

Terphenyl-d14

Concen: 61.671 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.00 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Instrument :

BNA_G

ClientSampleId :

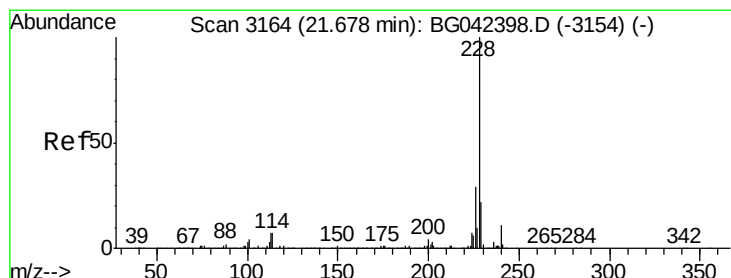
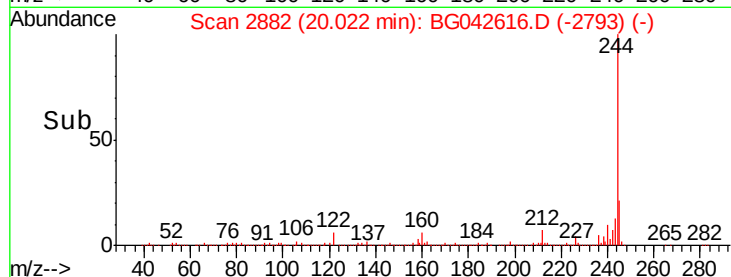
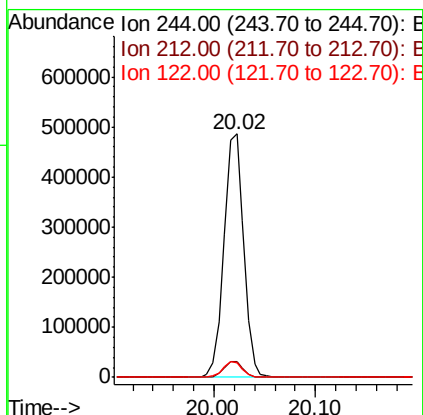
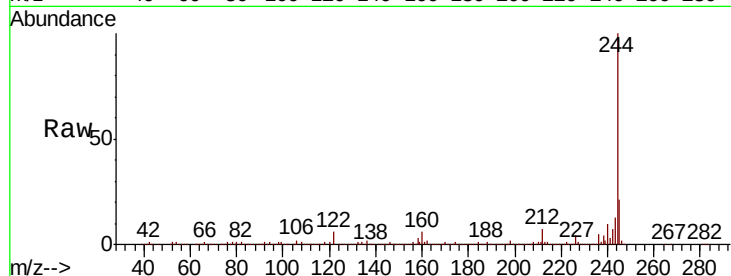
Tot Ion:244 Resp: 654952

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

122 6.0 6.7 10.1#



#81

Benzo(a)anthracene

Concen: 11.942 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

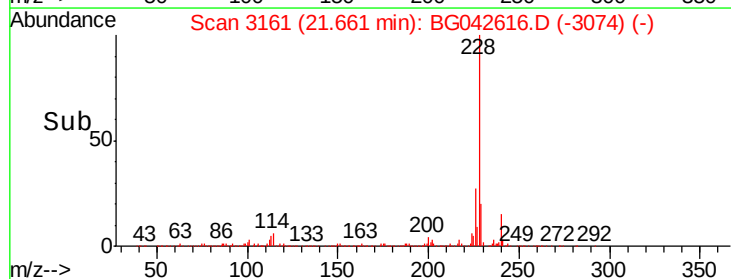
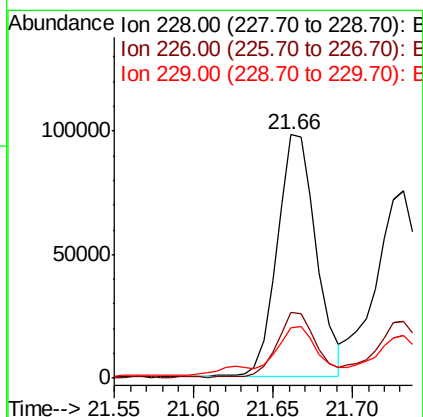
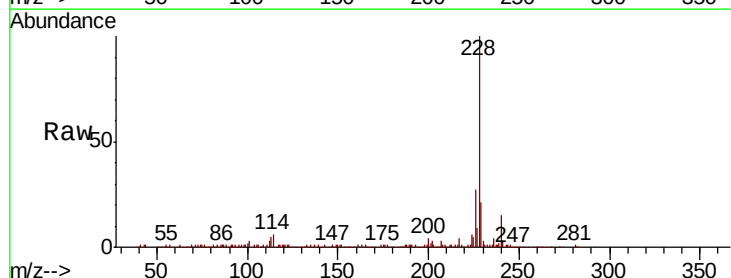
Tgt Ion:228 Resp: 166794

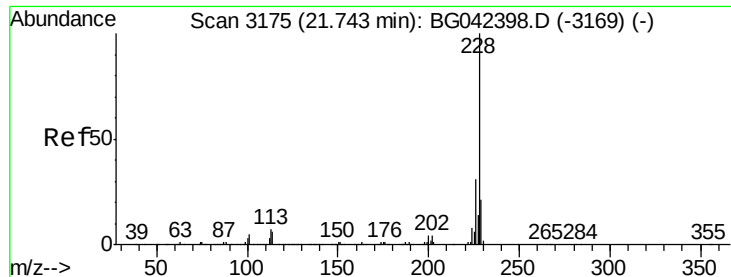
Ion Ratio Lower Upper

228 100

226 27.0 23.4 35.2

229 20.8 17.4 26.2

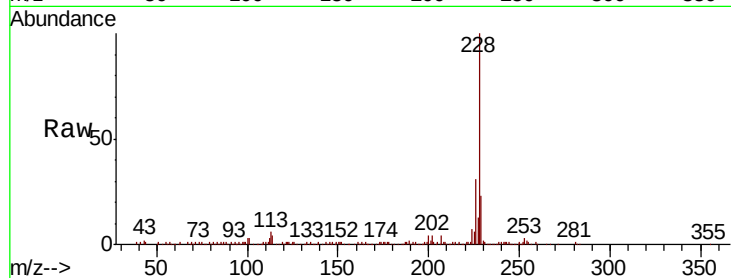




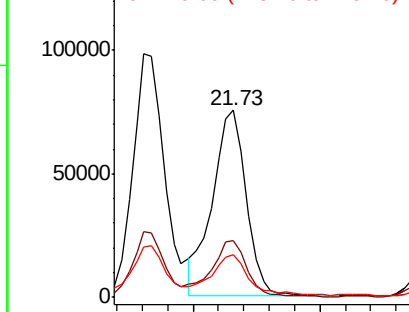
#83
Chrysene
Concen: 10.390 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

Instrument :
BNA_G
ClientSampled :

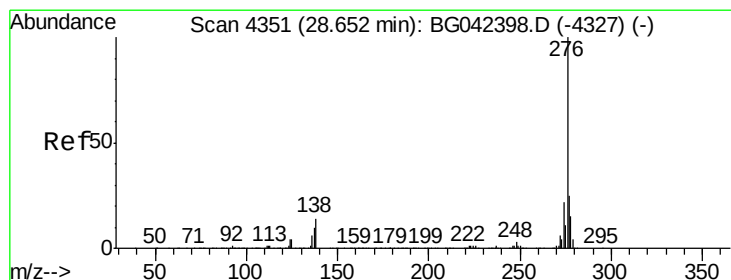
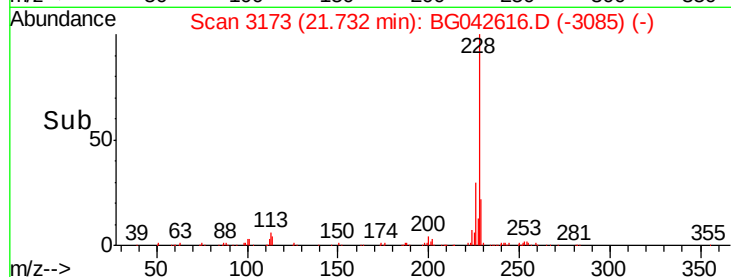
Tot Ion:228 Resp: 139949
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 22.6 16.9 25.3



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

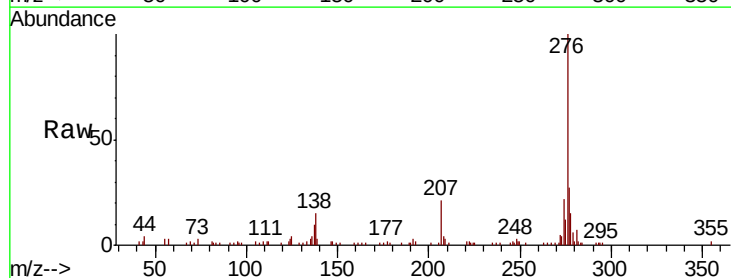


Time-->

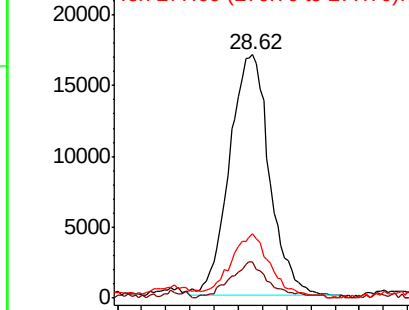


#86
Indeno(1,2,3-cd)pyrene
Concen: 4.281 ng
RT: 28.62 min Scan# 4346
Delta R.T. -0.03 min
Lab File: BG042616.D
Acq: 31 Aug 2019 1:07

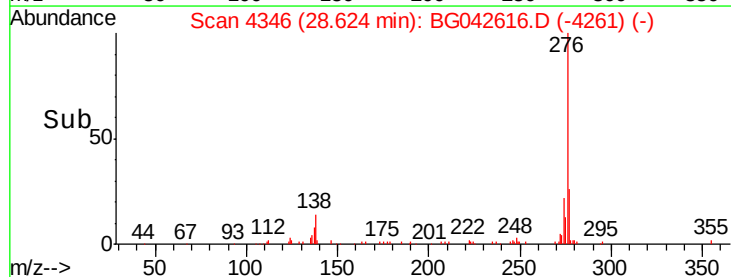
Tgt Ion:276 Resp: 78368
Ion Ratio Lower Upper
276 100
138 14.7 9.2 13.8#
277 27.1 21.0 31.6

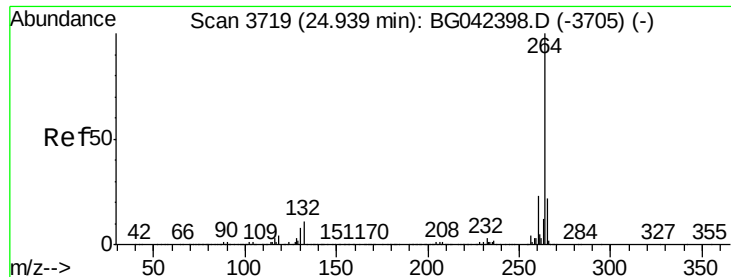


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.02 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Instrument :

BNA_G

ClientSampled :

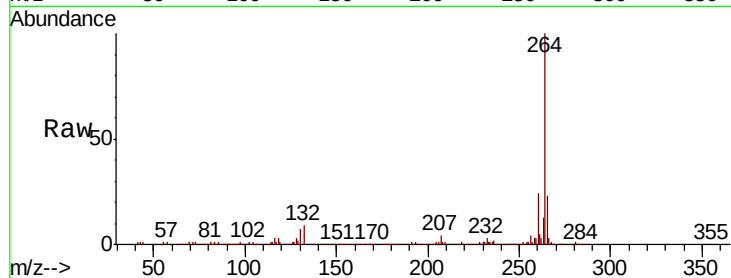
Tot Ion:264 Resp: 276485

Ion Ratio Lower Upper

264 100

260 23.7 18.5 27.7

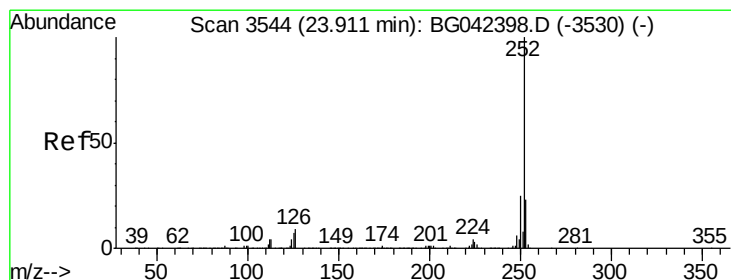
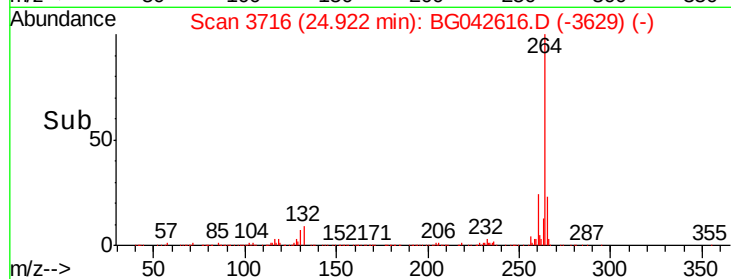
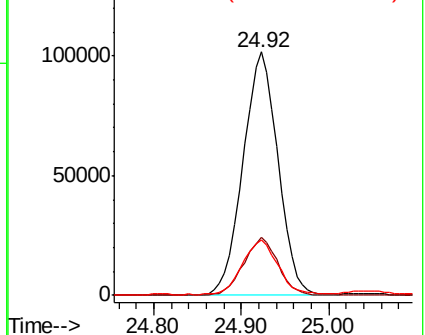
265 22.9 17.6 26.4



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: 10.783 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

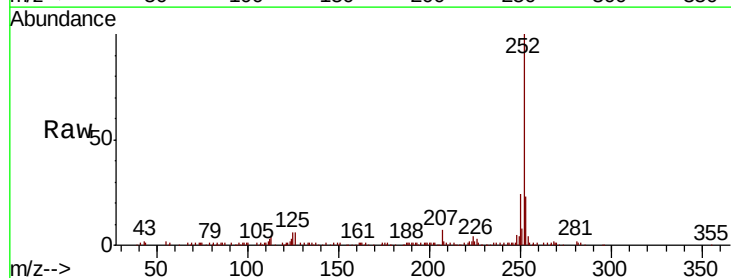
Tgt Ion:252 Resp: 163910

Ion Ratio Lower Upper

252 100

253 22.7 18.6 27.8

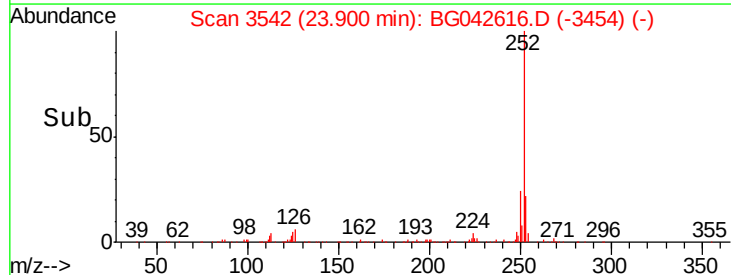
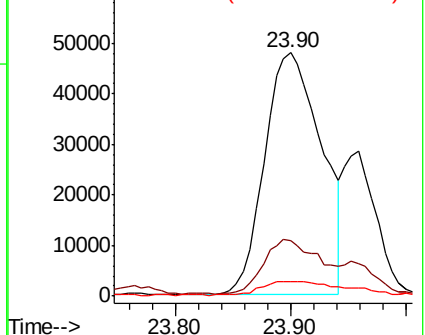
125 6.1 5.6 8.4

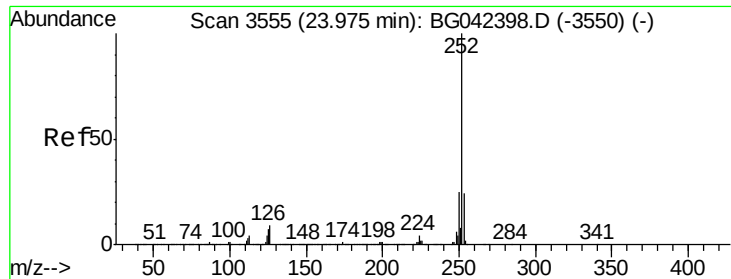


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.843 ng m

RT: 23.96 min Scan# 3552

Delta R.T. -0.02 min

Lab File: BG042616.D

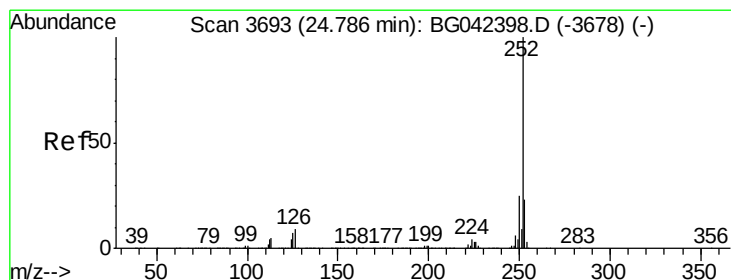
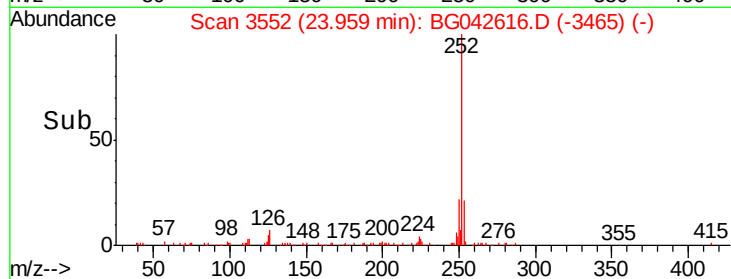
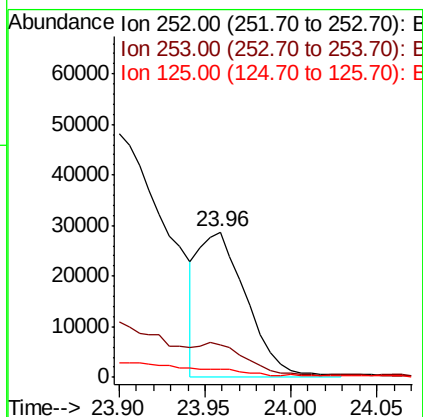
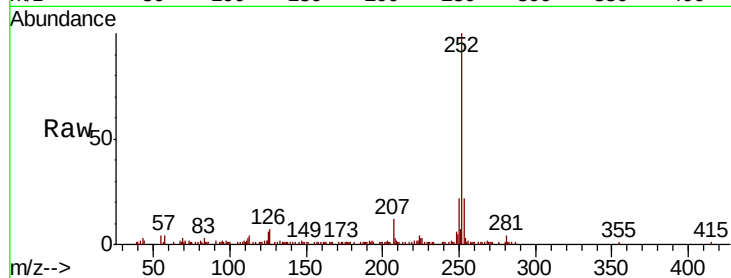
Acq: 31 Aug 2019 1:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	252	Resp:	56151
Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.6	27.8
125	5.7	5.8	8.6#



#90

Benzo(a)pyrene

Concen: 10.364 ng m

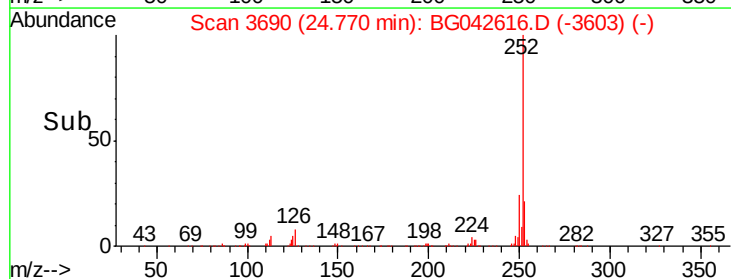
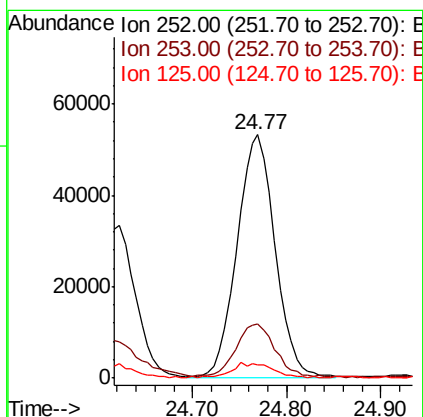
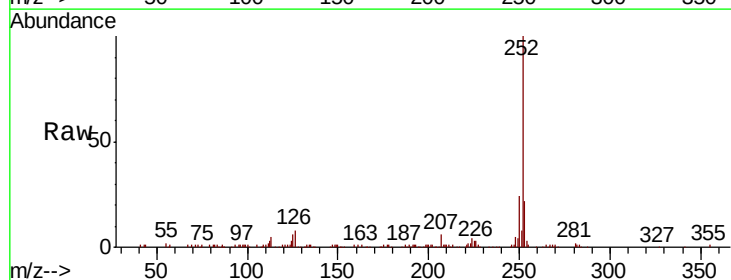
RT: 24.77 min Scan# 3690

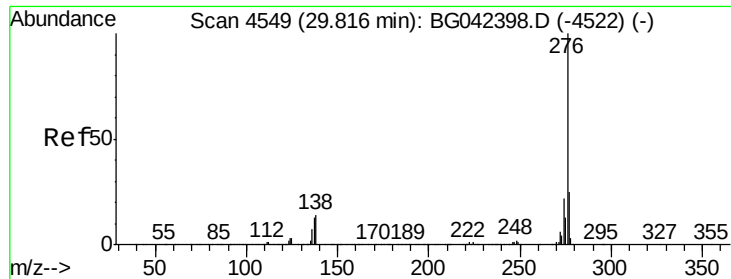
Delta R.T. -0.02 min

Lab File: BG042616.D

Acq: 31 Aug 2019 1:07

Tgt Ion:	252	Resp:	149483
Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	5.5	6.0	9.0#

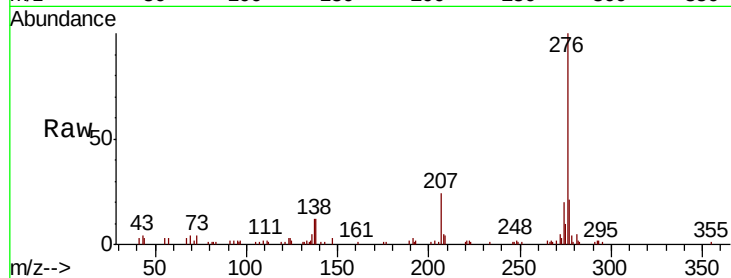




#92
 Benzo(a,h,i)perylene
 Concen: 5.426 ng
 RT: 29.76 min Scan# 4540
 Delta R.T. -0.05 min
 Lab File: BG042616.D
 Acq: 31 Aug 2019 1:07

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.5	19.8	29.8
138	12.0	11.4	17.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

