

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072015\
 Data File : BG017998.D
 Acq On : 20 Jul 2015 20:37
 Operator : TP/UM
 Sample : G3024-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UST-1(0-2)

Quant Time: Jul 21 01:12:21 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 18 01:50:30 2015
 Response via : Initial Calibration

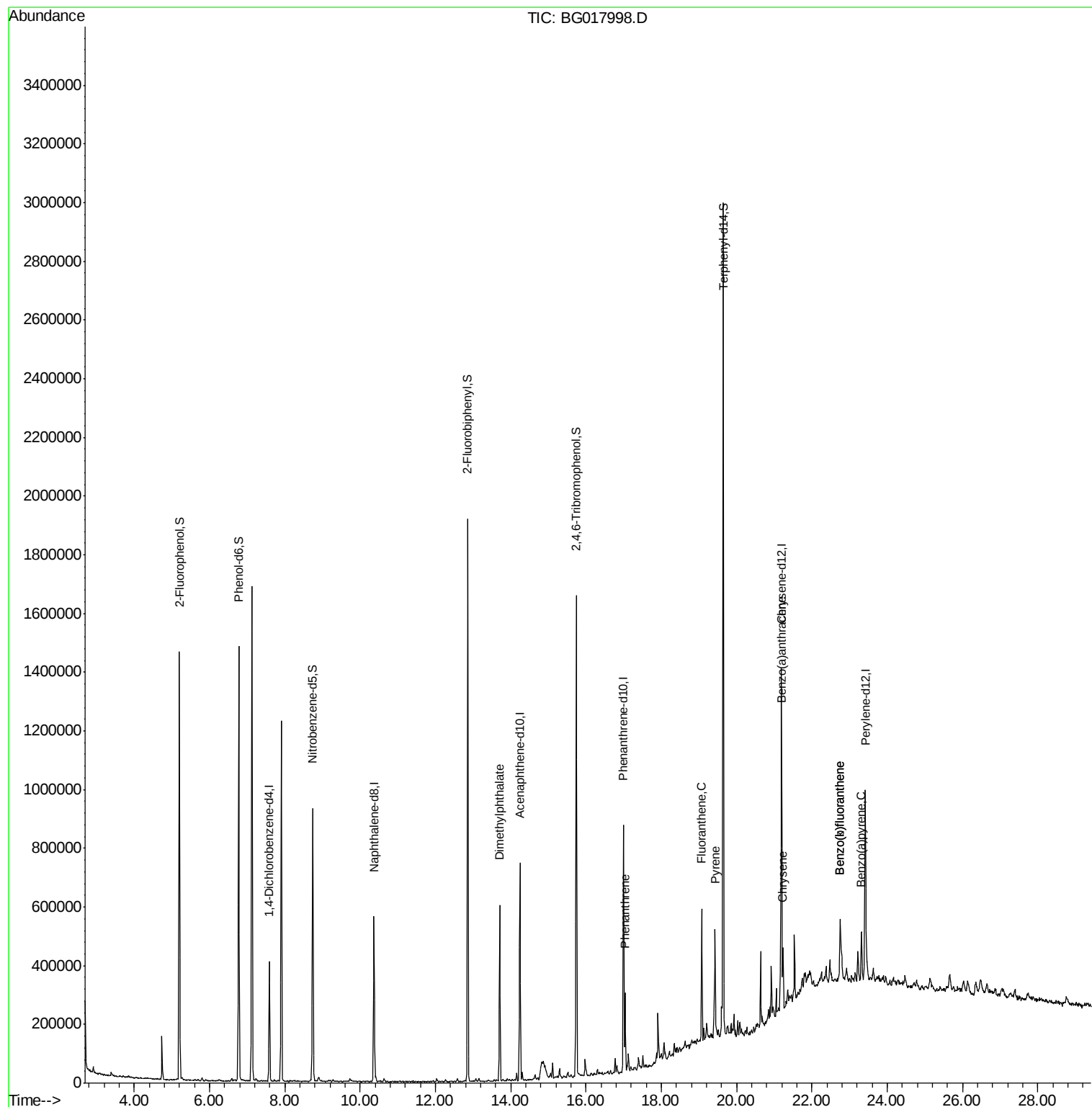
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	111364	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	465840	20.00	ng	0.00
38) Acenaphthene-d10	14.25	164	258236	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	493921	20.00	ng	0.00
75) Chrysene-d12	21.20	240	502749	20.00	ng	0.00
86) Perylene-d12	23.42	264	504132	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	702433	110.03	ng	0.01
7) Phenol-d6	6.78	99	902086	107.86	ng	0.01
23) Nitrobenzene-d5	8.74	82	536170	74.55	ng	0.00
41) 2,4,6-Tribromophenol	15.74	330	315713	120.67	ng	0.00
44) 2-Fluorobiphenyl	12.86	172	970928	65.16	ng	0.00
78) Terphenyl-d14	19.65	244	1174849	58.86	ng	0.00
Target Compounds						
32) Benzoic acid	9.76	122	63	Below Cal	#	1
49) Dimethylphthalate	13.71	163	393318	21.93	ng	100
64) 4,6-Dinitro-2-methylphenol	15.43	198	70	Below Cal	#	1
70) Phenanthrene	17.04	178	152895	6.00	ng	99
74) Fluoranthene	19.08	202	252204	9.04	ng	95
77) Pyrene	19.43	202	228397	8.15	ng	94
80) Benzo(a)anthracene	21.19	228	135491	5.10	ng	98
82) Chrysene	21.23	228	114552	4.53	ng	96
87) Benzo(b)fluoranthene	22.75	252	221043	8.01	ng	97
88) Benzo(k)fluoranthene	22.75	252	221043	8.03	ng	95
89) Benzo(a)pyrene	23.32	252	113840	4.43	ng	100

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

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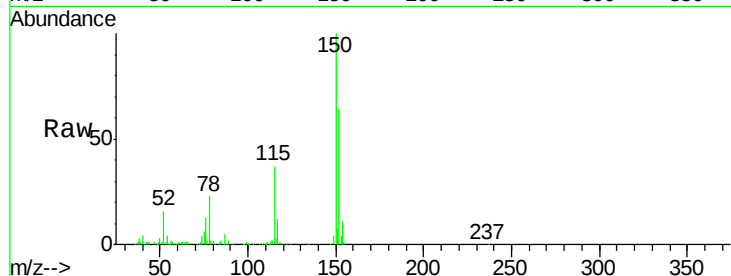


#1

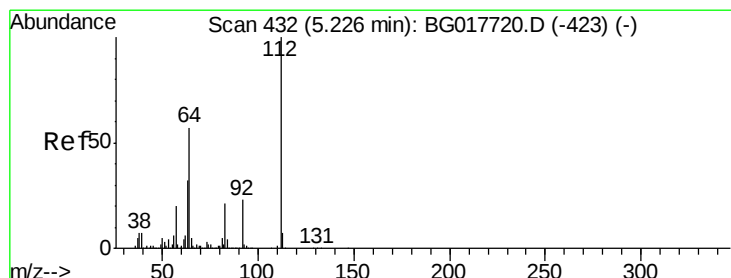
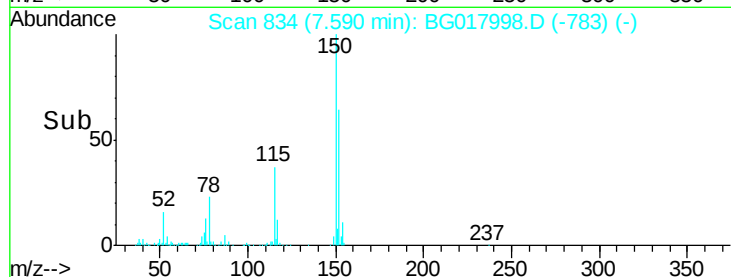
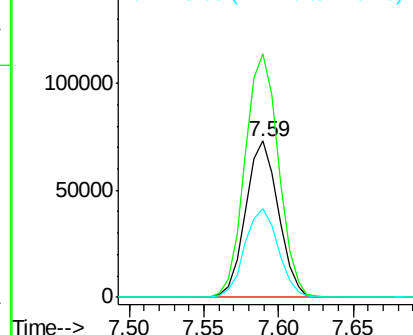
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.59 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG017998.D
Acq: 20 Jul 2015 20:37

Instrument :
BNA_G
ClientSampleId :
UST-1(0-2)

Tot Ion:152 Resp: 111364
Ion Ratio Lower Upper
152 100
150 155.9 119.1 178.7
115 56.9 47.0 70.4



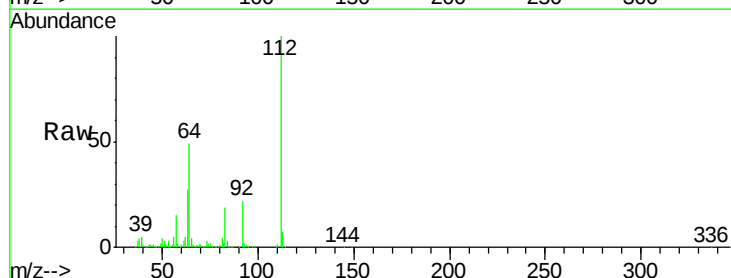
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



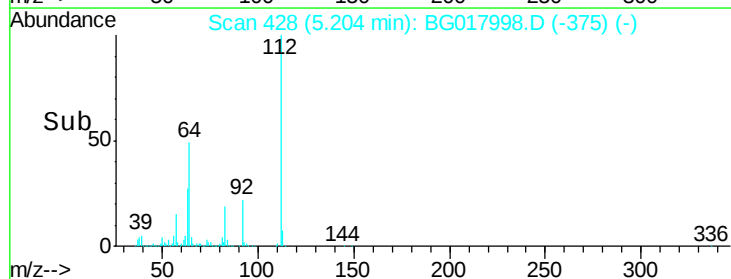
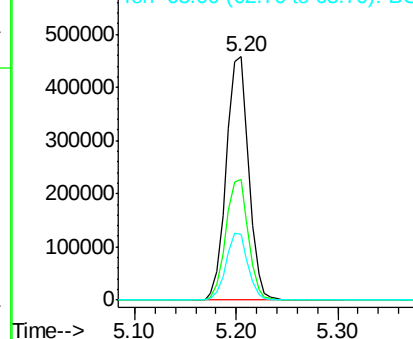
#5

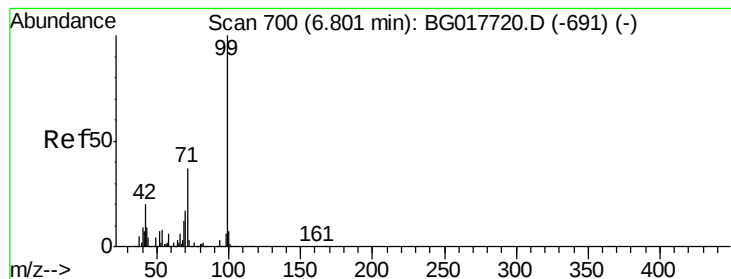
2-Fluorophenol
Concen: 110.03 ng
RT: 5.20 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG017998.D
Acq: 20 Jul 2015 20:37

Tgt Ion:112 Resp: 702433
Ion Ratio Lower Upper
112 100
64 49.3 45.4 68.0
63 26.8 25.3 37.9



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





#7

Phenol-d6

Concen: 107.86 ng

RT: 6.78 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

Instrument :

BNA_G

ClientSampleId :

UST-1(0-2)

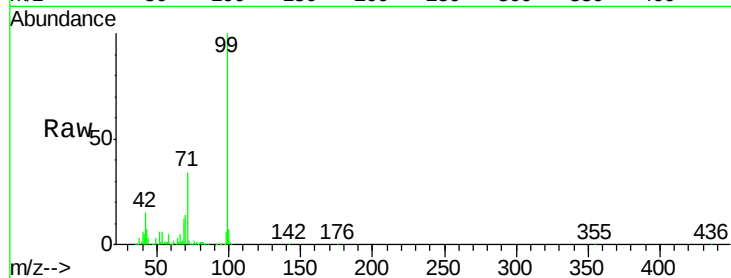
Tot Ion: 99 Resp: 902086

Ion Ratio Lower Upper

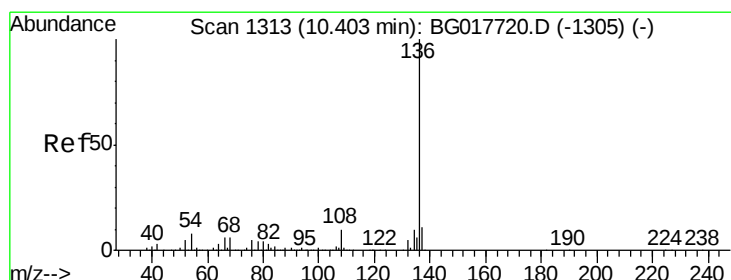
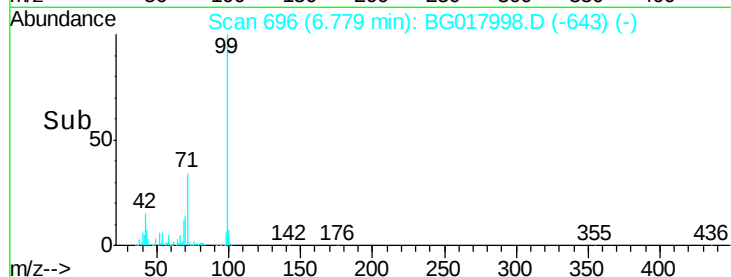
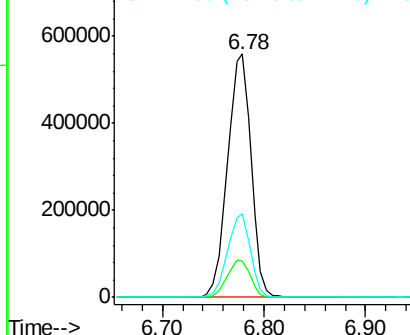
99 100

42 15.0 16.2 24.4#

71 34.2 29.5 44.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.37 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

Tgt Ion: 136 Resp: 465840

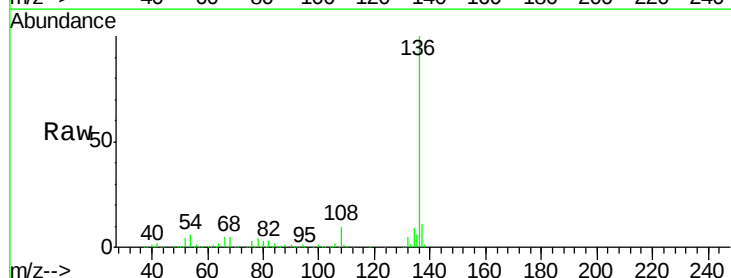
Ion Ratio Lower Upper

136 100

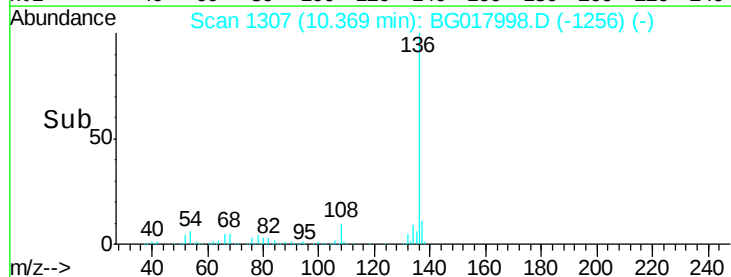
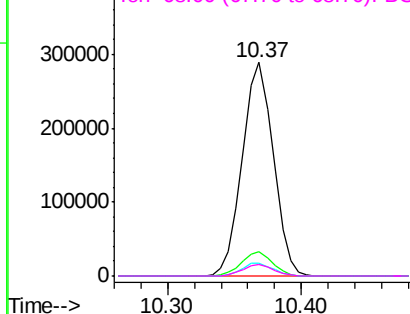
137 11.3 8.8 13.2

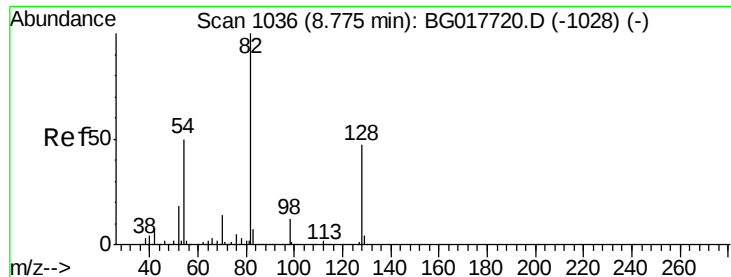
54 6.0 6.6 9.8#

68 5.3 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

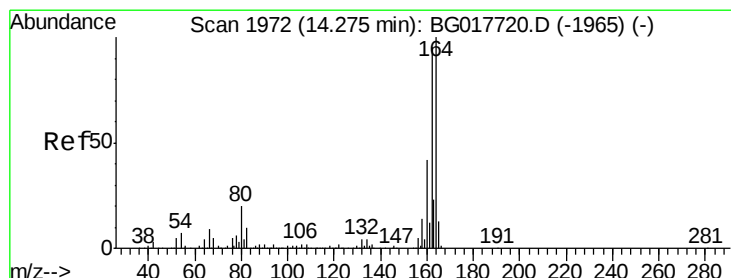
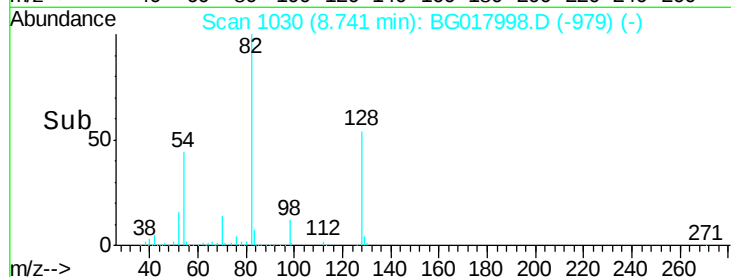
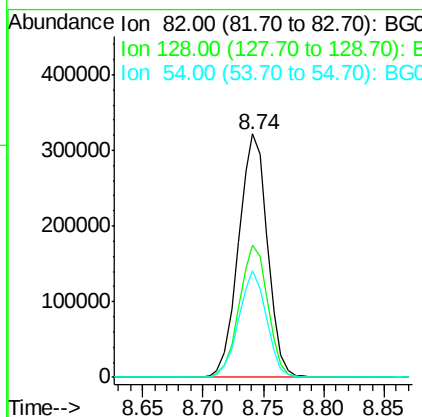
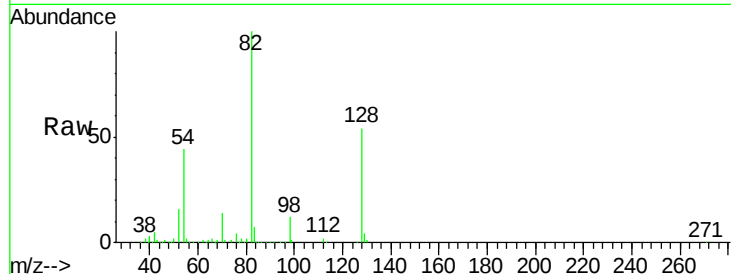




#23
 Nitrobenzene-d5
 Concen: 74.55 ng
 RT: 8.74 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BG017998.D
 Acq: 20 Jul 2015 20:37

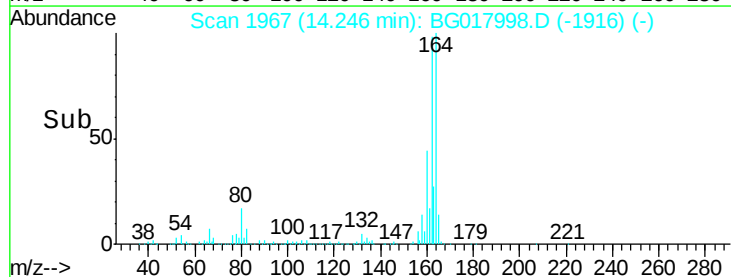
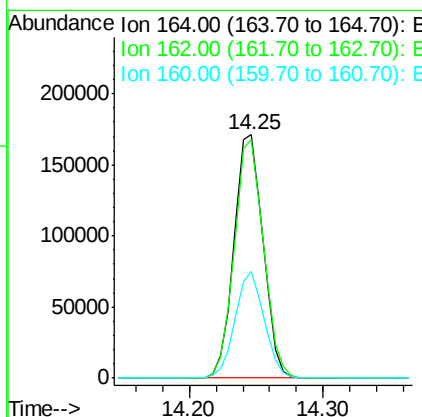
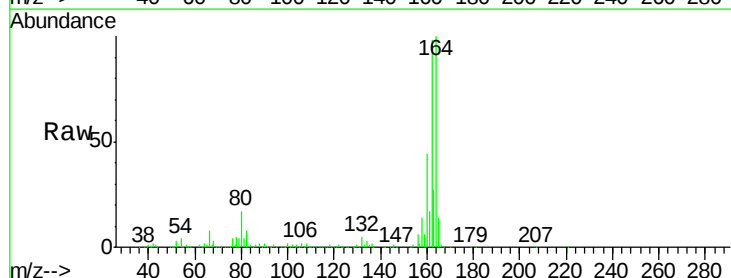
Instrument :
 BNA_G
 ClientSampleId :
 UST-1(0-2)

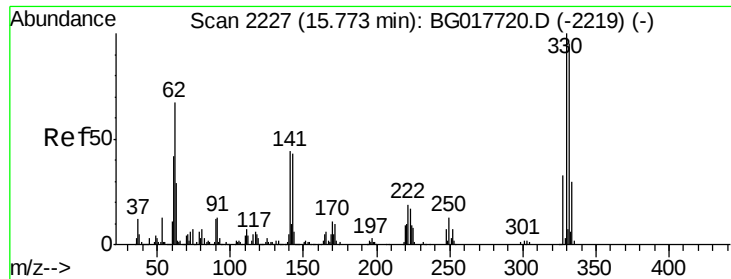
Tot Ion	82	Resp	536170
Ion Ratio	Lower	Upper	
82	100		
128	54.3	37.8	56.6
54	43.6	39.9	59.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.25 min Scan# 1967
 Delta R.T. 0.00 min
 Lab File: BG017998.D
 Acq: 20 Jul 2015 20:37

Tgt Ion	164	Resp	258236
Ion Ratio	Lower	Upper	
164	100		
162	98.0	76.3	114.5
160	43.5	33.7	50.5

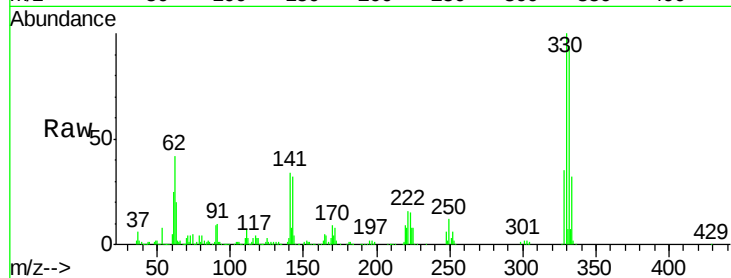




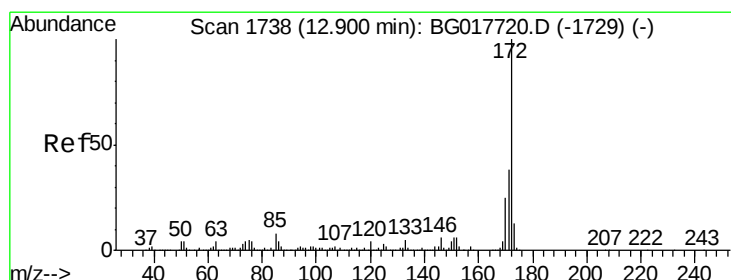
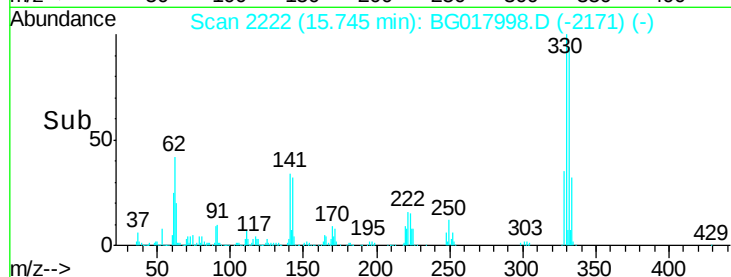
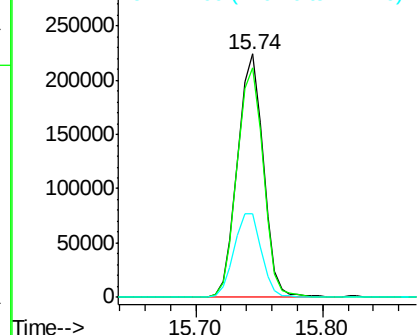
#41
 2,4,6-Tribromophenol
 Concen: 120.67 ng
 RT: 15.74 min Scan# 2222
 Delta R.T. 0.00 min
 Lab File: BG017998.D
 Acq: 20 Jul 2015 20:37

Instrument :
 BNA_G
 ClientSampleId :
 UST-1(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.8	115.2
141	36.3	38.0	57.0

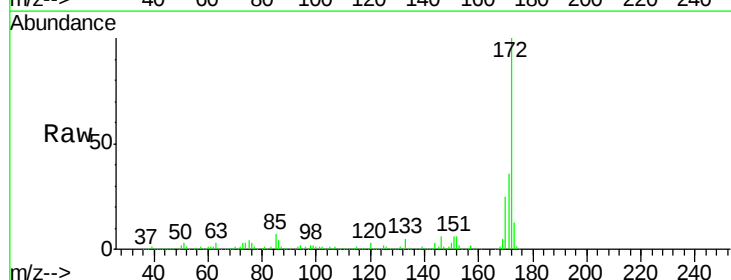


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

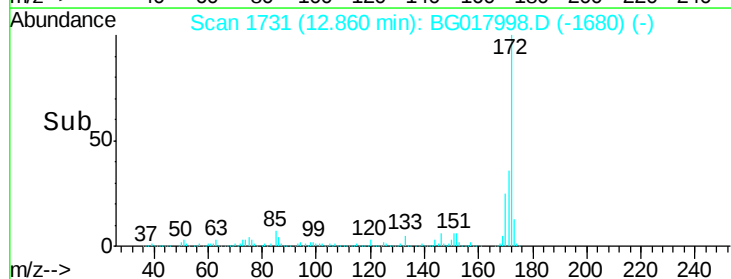
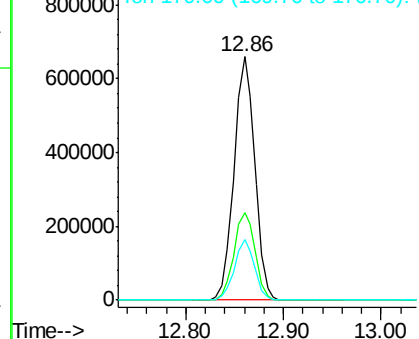


#44
 2-Fluorobiphenyl
 Concen: 65.16 ng
 RT: 12.86 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BG017998.D
 Acq: 20 Jul 2015 20:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.7	46.1
170	24.7	19.7	29.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 21.93 ng

RT: 13.71 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

Instrument :

BNA_G

ClientSampleId :

UST-1(0-2)

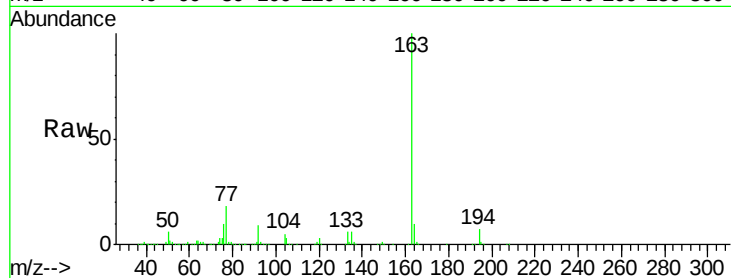
Tot Ion:163 Resp: 393318

Ion Ratio Lower Upper

163 100

194 7.3 5.8 8.6

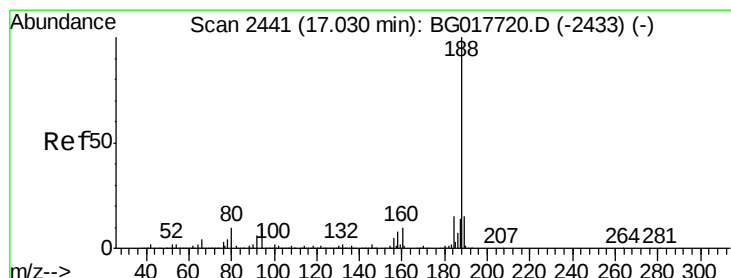
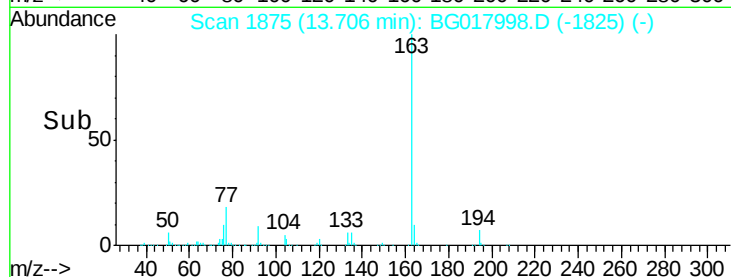
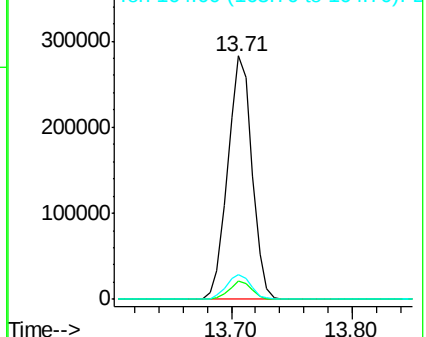
164 10.2 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.00 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

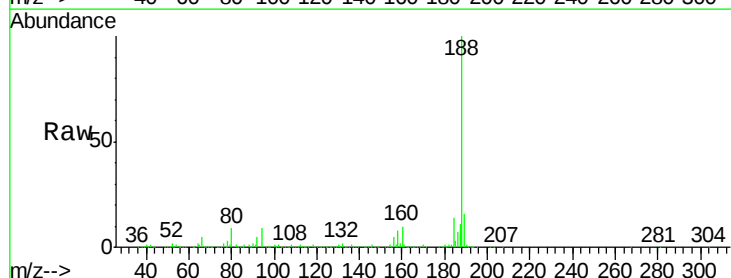
Tgt Ion:188 Resp: 493921

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

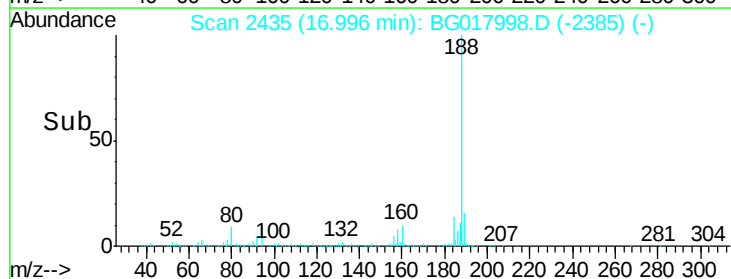
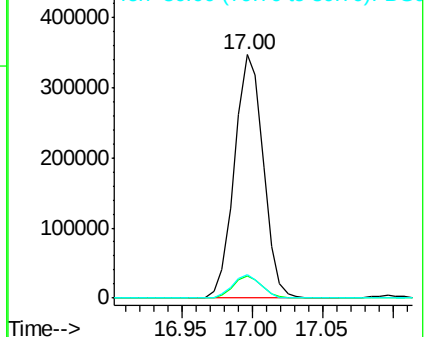
80 9.4 8.2 12.4

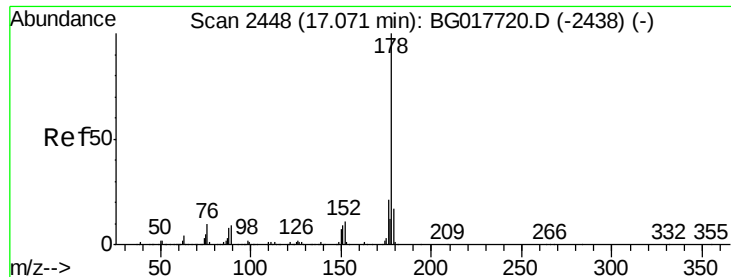


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 6.00 ng

RT: 17.04 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

Instrument :

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ClientSampleId :

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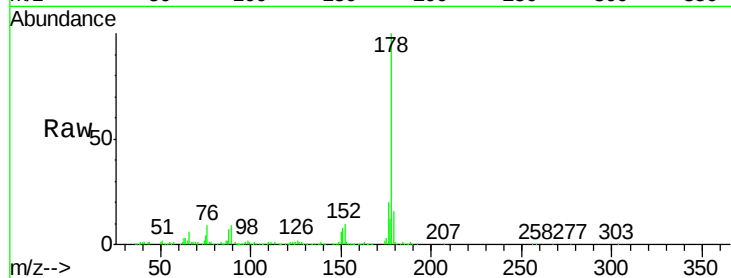
Tot Ion:178 Resp: 152895

Ion Ratio Lower Upper

178 100

176 20.1 16.5 24.7

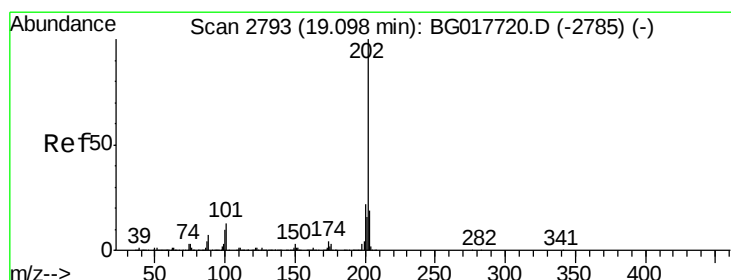
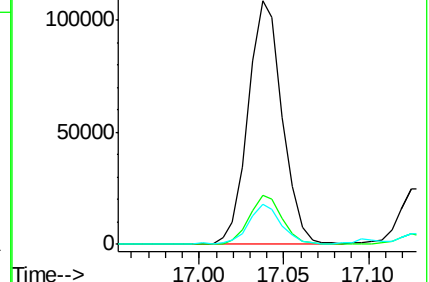
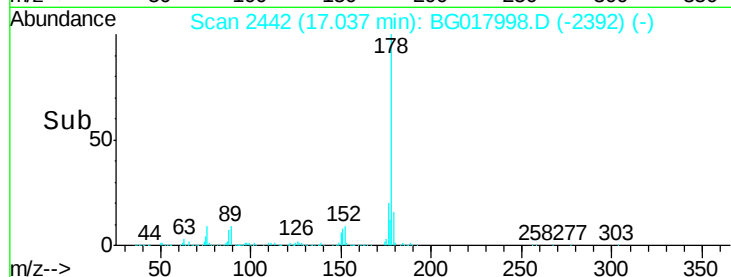
179 16.3 13.5 20.3



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



#74

Fluoranthene

Concen: 9.04 ng

RT: 19.08 min Scan# 2789

Delta R.T. 0.01 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

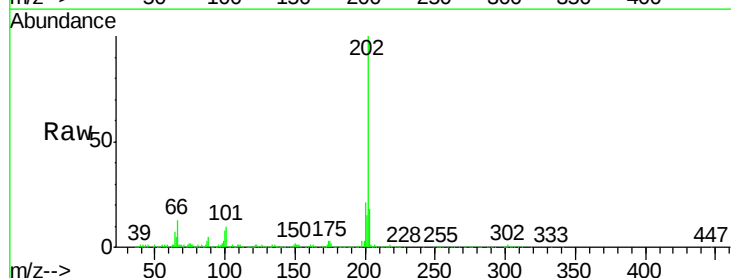
Tgt Ion:202 Resp: 252204

Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.3

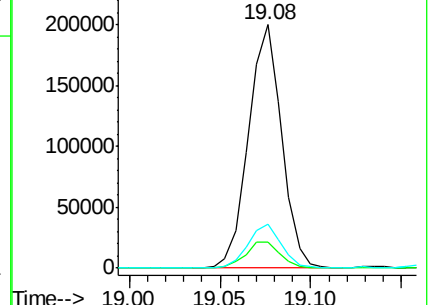
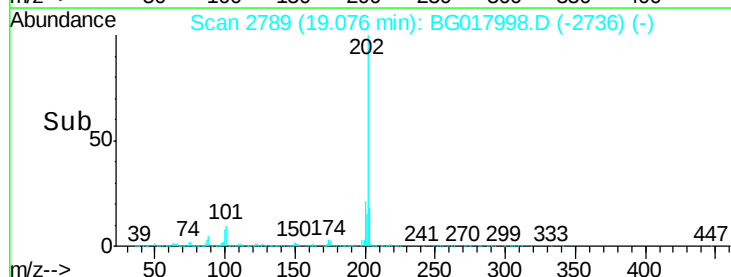
203 18.2 0.0 39.5

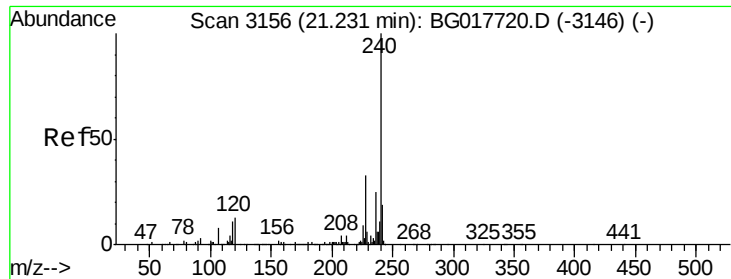


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

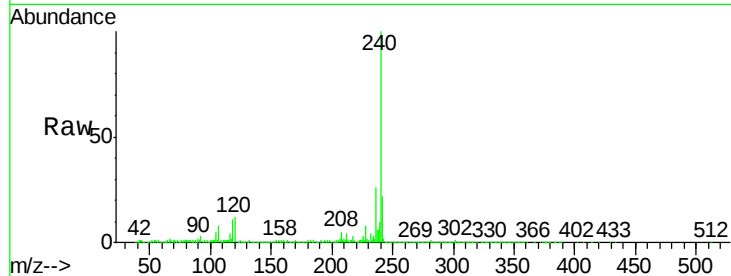




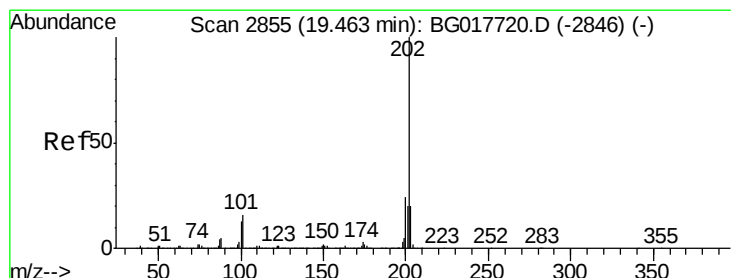
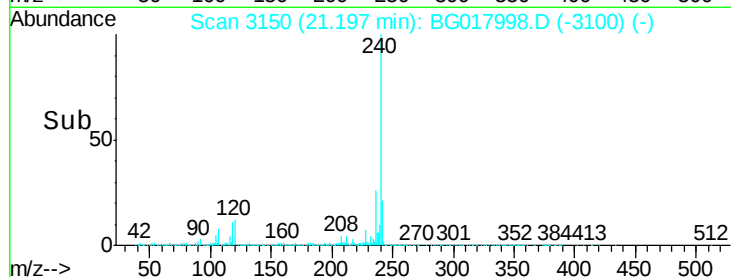
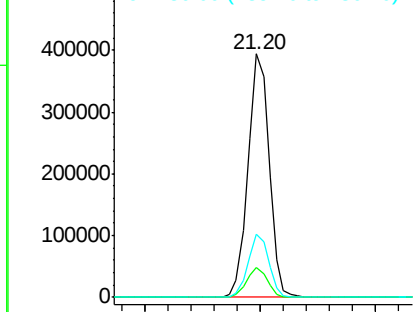
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.20 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BG017998.D
Acq: 20 Jul 2015 20:37

Instrument :
BNA_G
ClientSampleId :
UST-1(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.8	16.2
236	25.8	20.0	30.0

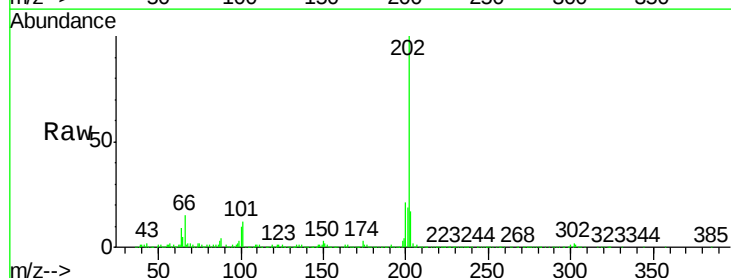


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

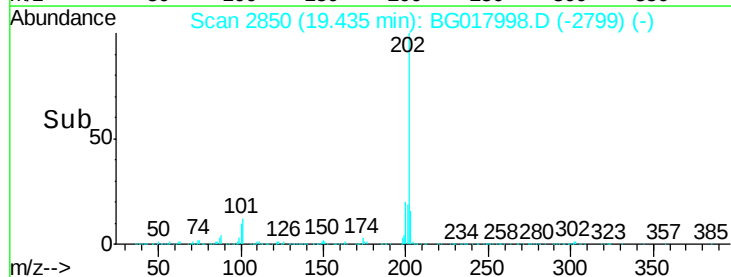
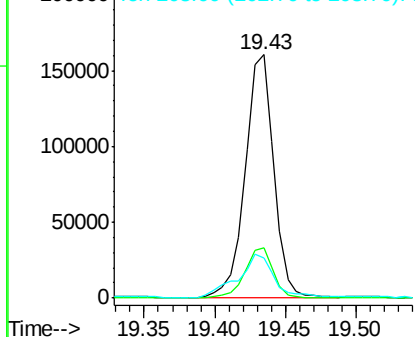


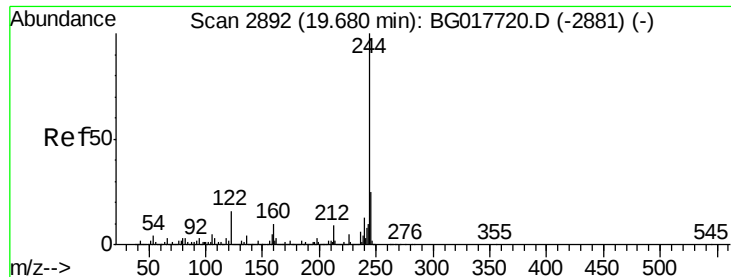
#77
Pyrene
Concen: 8.15 ng
RT: 19.43 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BG017998.D
Acq: 20 Jul 2015 20:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	18.8	28.2
203	16.7	15.9	23.9



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





#78

Terphenyl-d14

Concen: 58.86 ng

RT: 19.65 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

Instrument :

BNA_G

ClientSampleId :

UST-1(0-2)

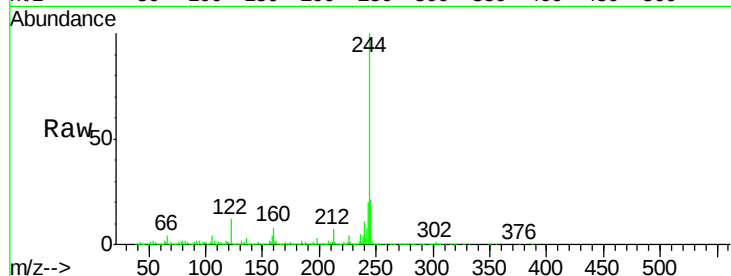
Tot Ion:244 Resp: 1174849

Ion Ratio Lower Upper

244 100

212 7.4 7.2 10.8

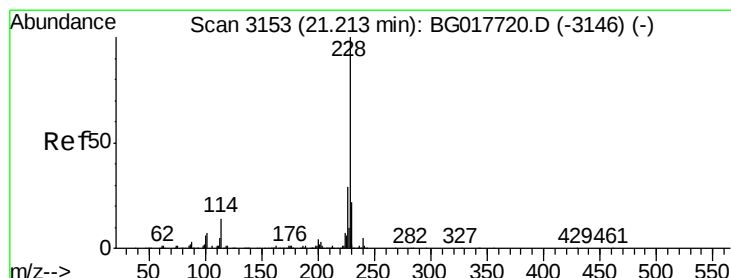
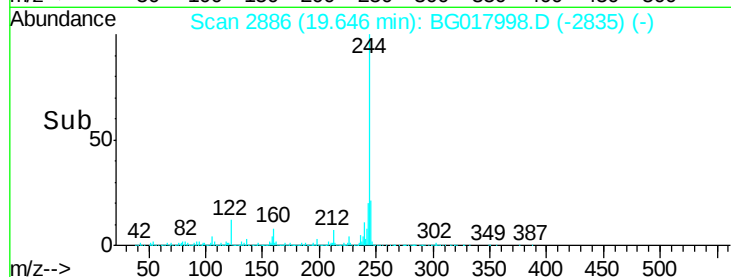
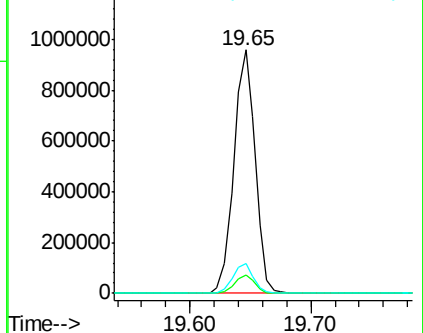
122 12.1 12.8 19.2#



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



#80

Benzo(a)anthracene

Concen: 5.10 ng

RT: 21.19 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

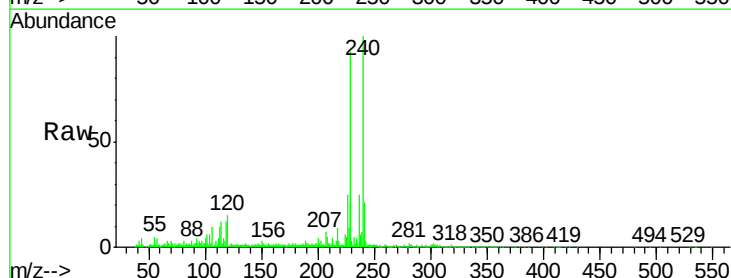
Tgt Ion:228 Resp: 135491

Ion Ratio Lower Upper

228 100

226 27.5 23.1 34.7

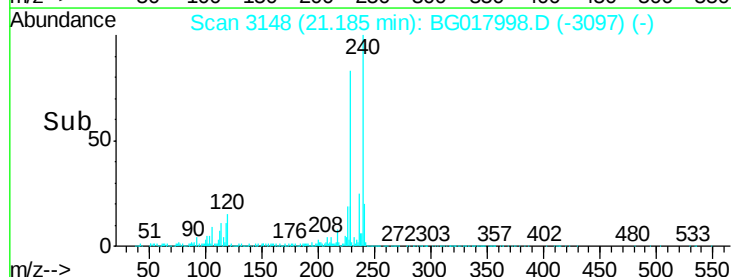
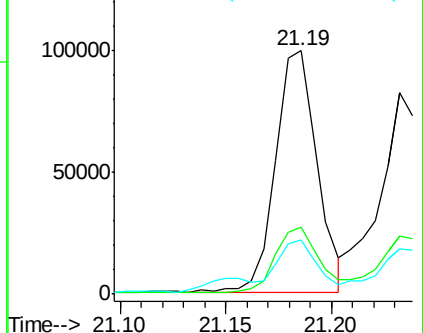
229 22.3 17.4 26.0

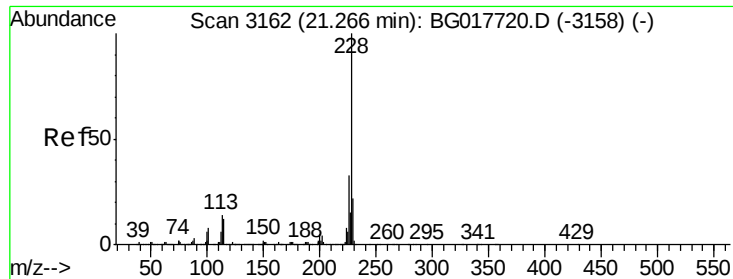


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.53 ng

RT: 21.23 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

Instrument :

BNA_G

ClientSampleId :

UST-1(0-2)

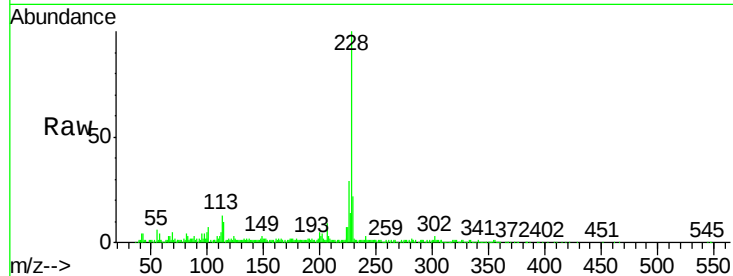
Tot Ion:228 Resp: 114552

Ion Ratio Lower Upper

228 100

226 29.1 26.1 39.1

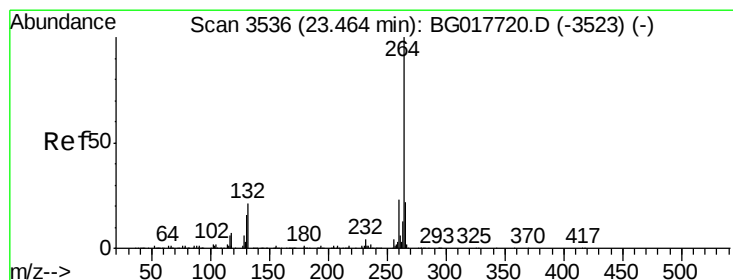
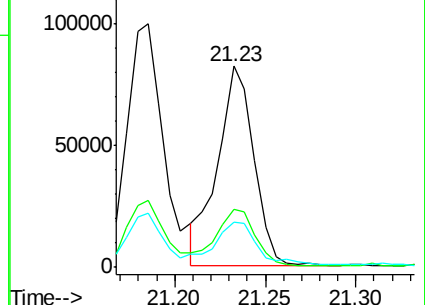
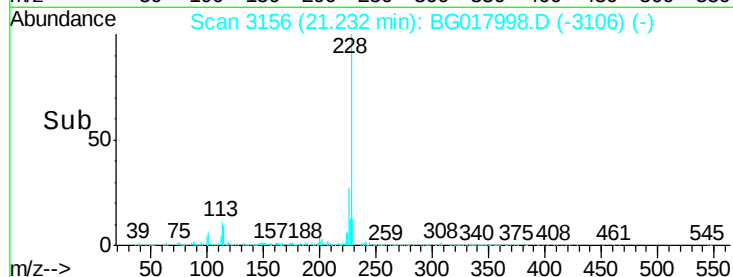
229 22.3 17.7 26.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.42 min Scan# 3528

Delta R.T. 0.00 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

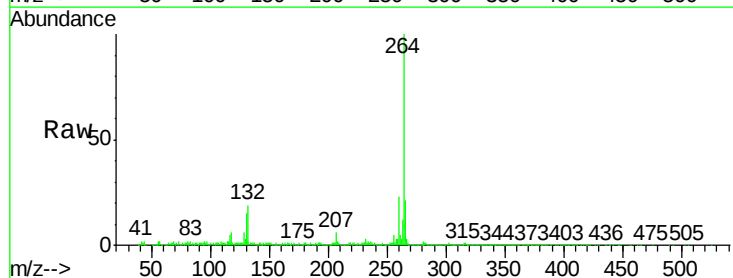
Tgt Ion:264 Resp: 504132

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

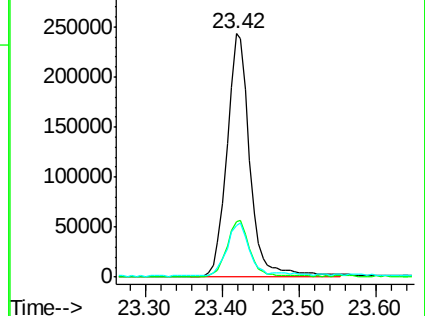
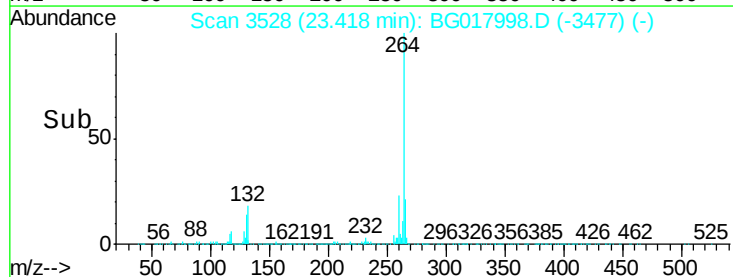
265 21.4 18.2 27.2

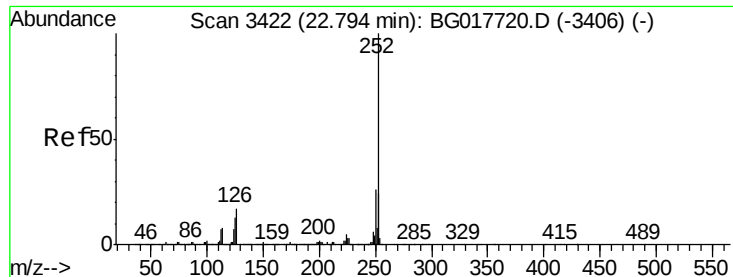


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.01 ng

RT: 22.75 min Scan# 3415

Delta R.T. 0.01 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

Instrument :

BNA_G

ClientSampleId :

UST-1(0-2)

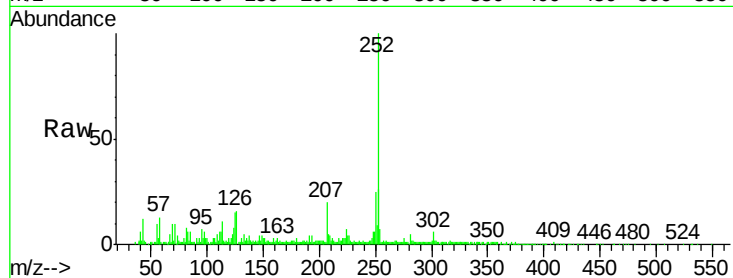
Tot Ion:252 Resp: 221043

Ion Ratio Lower Upper

252 100

253 26.0 19.7 29.5

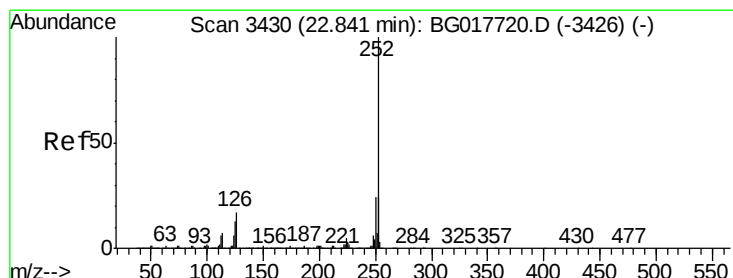
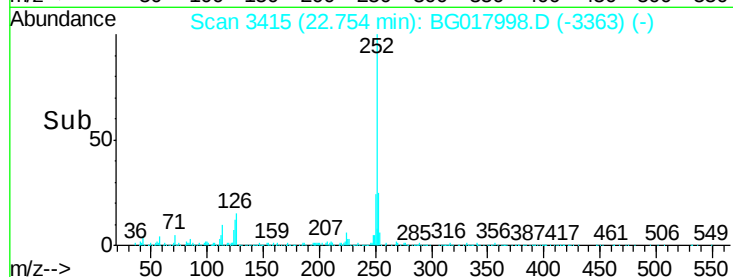
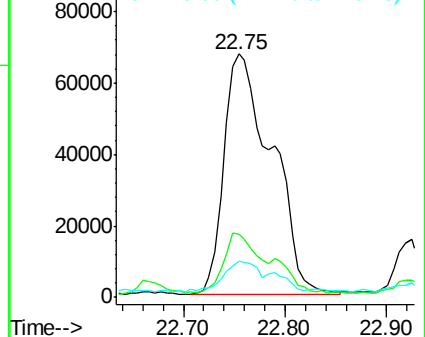
125 15.0 10.6 15.8



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



#88

Benzo(k)fluoranthene

Concen: 8.03 ng

RT: 22.75 min Scan# 3415

Delta R.T. -0.04 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

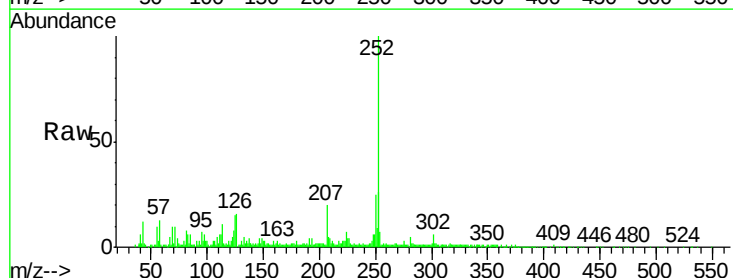
Tgt Ion:252 Resp: 221043

Ion Ratio Lower Upper

252 100

253 26.0 19.0 28.6

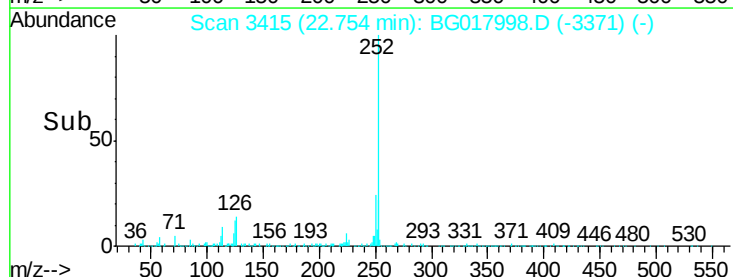
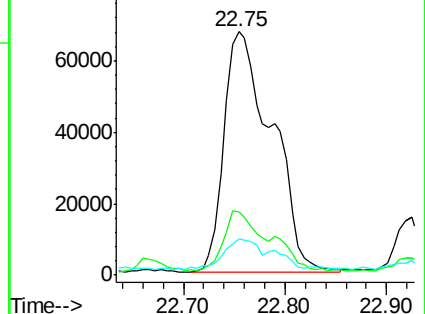
125 15.0 10.3 15.5

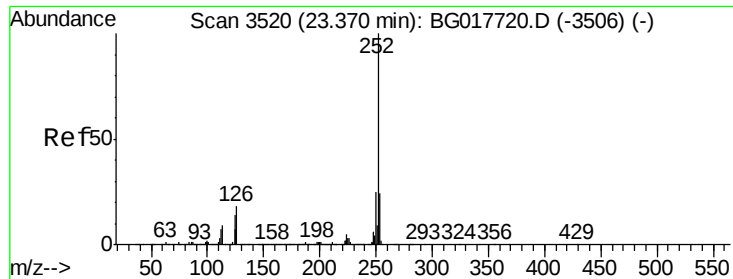


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.43 ng

RT: 23.32 min Scan# 3511

Delta R.T. 0.00 min

Lab File: BG017998.D

Acq: 20 Jul 2015 20:37

Instrument :

BNA_G

ClientSampleId :

UST-1(0-2)

Tot Ion:252 Resp: 113840

Ion Ratio Lower Upper

252 100

253 23.6 19.0 28.6

125 13.9 11.1 16.7

