

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
 Data File : BG017591.D
 Acq On : 10 Jun 2015 3:15
 Operator : TP/IZ
 Sample : G2555-06RE 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

Quant Time: Jun 10 06:20:42 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 10 05:08:16 2015
 Response via : Initial Calibration

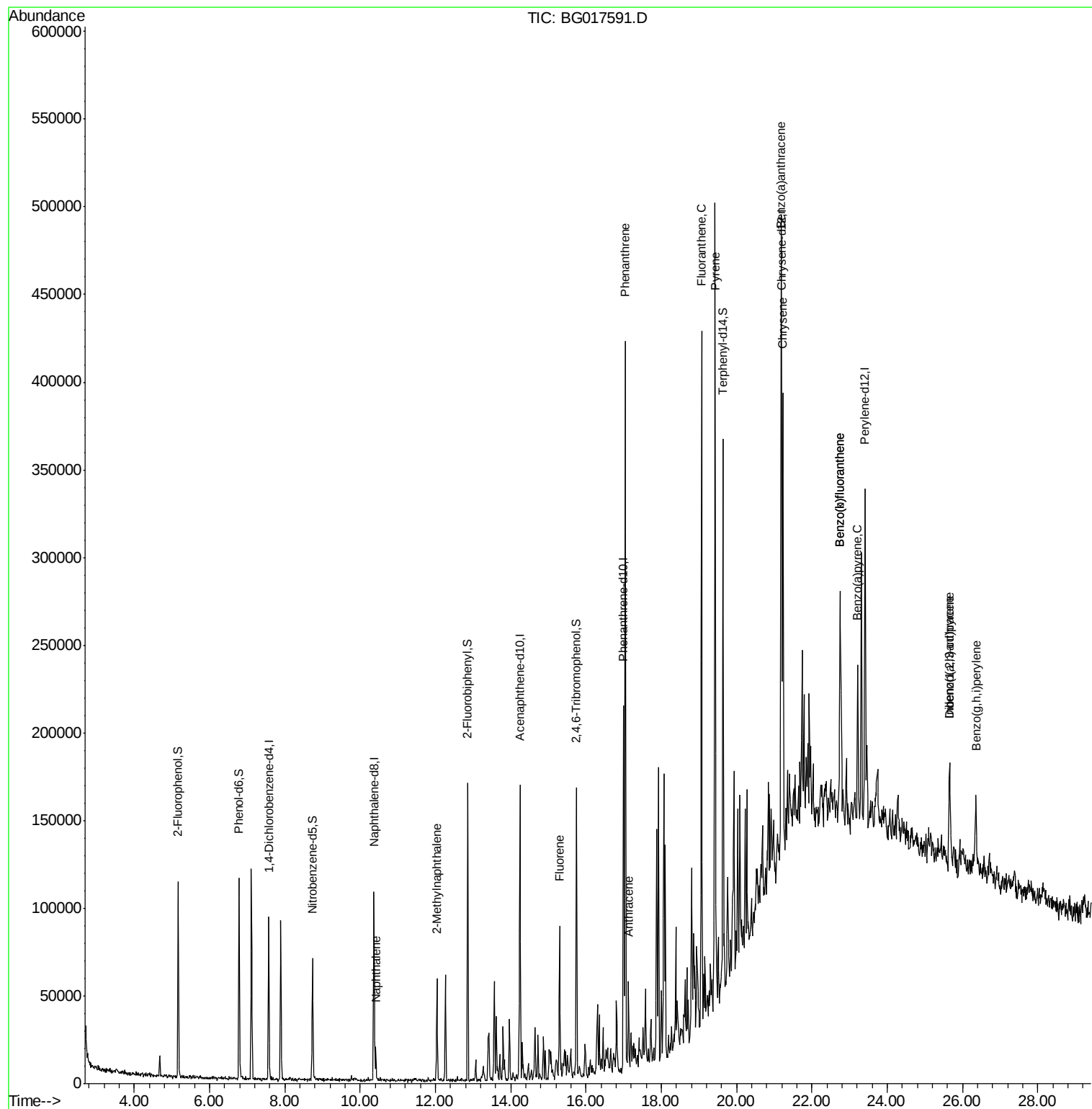
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	18921	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	74854	20.00	ng	0.00
38) Acenaphthene-d10	14.25	164	48129	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	105290	20.00	ng	-0.01
75) Chrysene-d12	21.20	240	124981	20.00	ng	0.00
86) Perylene-d12	23.41	264	129919	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	35613	33.16	ng	0.00
7) Phenol-d6	6.78	99	46483	31.77	ng	0.00
23) Nitrobenzene-d5	8.73	82	34515	23.02	ng	0.00
41) 2,4,6-Tribromophenol	15.74	330	19836	29.67	ng	-0.01
44) 2-Fluorobiphenyl	12.86	172	72967	22.87	ng	0.00
78) Terphenyl-d14	19.64	244	113674	18.80	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.42	128	13788	3.53	ng	# 93
37) 2-Methylnaphthalene	12.04	142	21409	7.12	ng	97
57) Fluorene	15.30	166	27938	6.84	ng	98
70) Phenanthrene	17.04	178	210192	35.80	ng	99
71) Anthracene	17.13	178	26193	4.47	ng	97
74) Fluoranthene	19.07	202	193313	25.18	ng	99
77) Pyrene	19.43	202	266474	34.61	ng	99
80) Benzo(a)anthracene	21.18	228	120437	15.67	ng	98
82) Chrysene	21.23	228	123201	17.70	ng	96
85) Indeno(1,2,3-cd)pyrene	25.66	276	50085	5.73	ng	98
87) Benzo(b)fluoranthene	22.75	252	148279	18.01	ng	99
88) Benzo(k)fluoranthene	22.75	252	148279	18.82	ng	99
89) Benzo(a)pyrene	23.22	252	60003	7.95	ng	98
90) Dibenzo(a,h)anthracene	25.66	278	16714	2.13	ng	95
91) Benzo(g,h,i)perylene	26.36	276	49441	6.62	ng	95

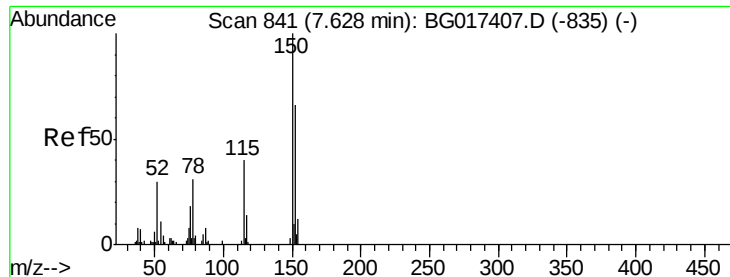
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06RE 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUSO-006

Quant Time: Jun 10 06:20:42 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 05:08:16 2015
Response via : Initial Calibration



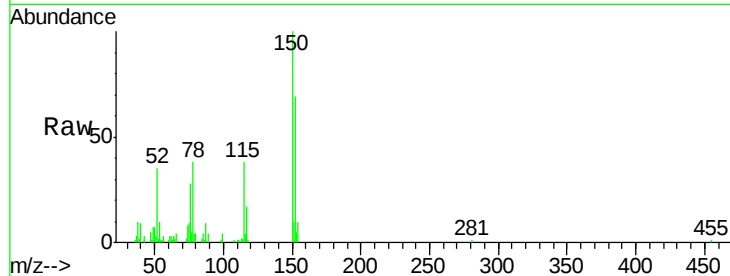


#1

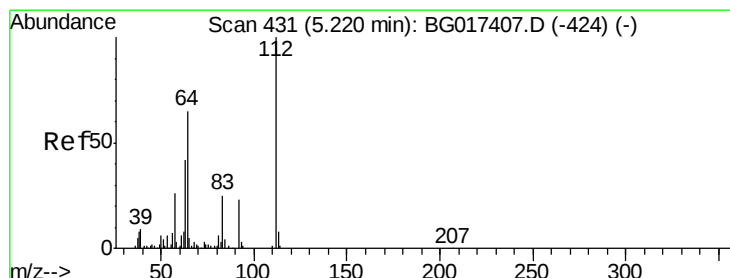
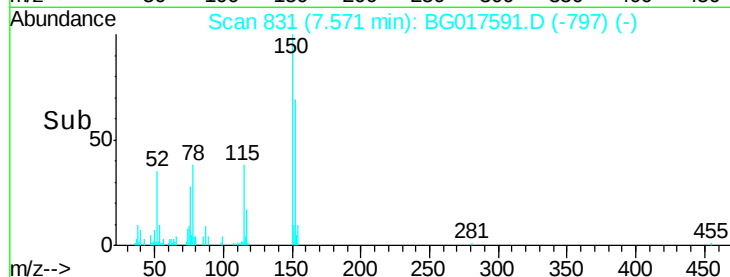
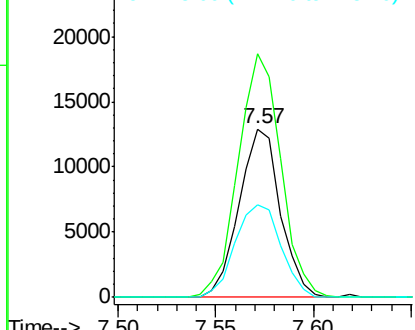
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.57 min Scan# 831
 Delta R.T. 0.00 min
 Lab File: BG017591.D
 Acq: 10 Jun 2015 3:15

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

Tgt Ion:152 Resp: 18921
 Ion Ratio Lower Upper
 152 100
 150 144.3 121.7 182.5
 115 55.2 48.6 73.0



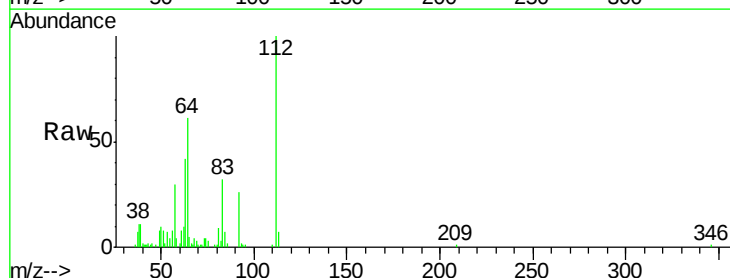
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



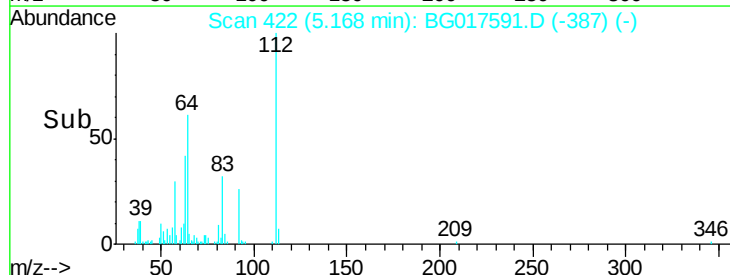
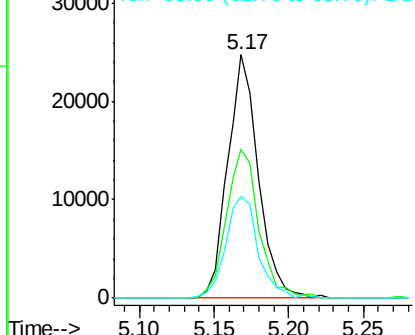
#5

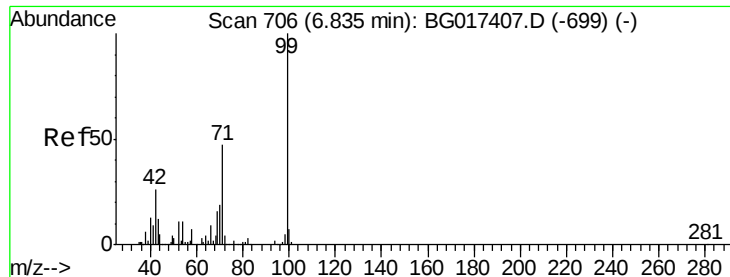
2-Fluorophenol
 Concen: 33.16 ng
 RT: 5.17 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: BG017591.D
 Acq: 10 Jun 2015 3:15

Tgt Ion:112 Resp: 35613
 Ion Ratio Lower Upper
 112 100
 64 60.9 51.6 77.4
 63 41.7 33.3 49.9



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: 31.77 ng

RT: 6.78 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

Instrument :

BNA_G

ClientSampleId :

DUSO-006

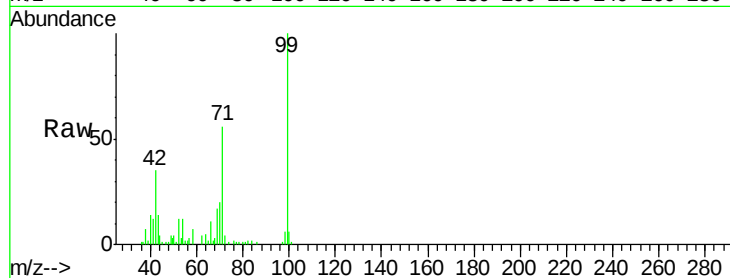
Tgt Ion: 99 Resp: 46483

Ion Ratio Lower Upper

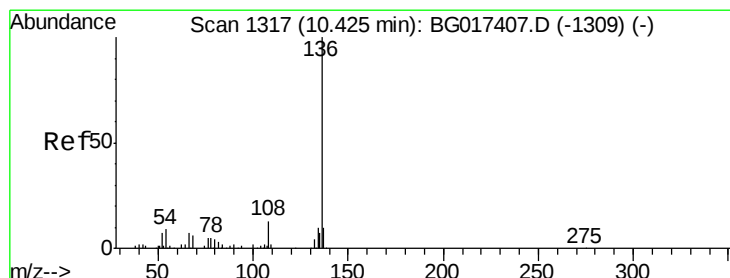
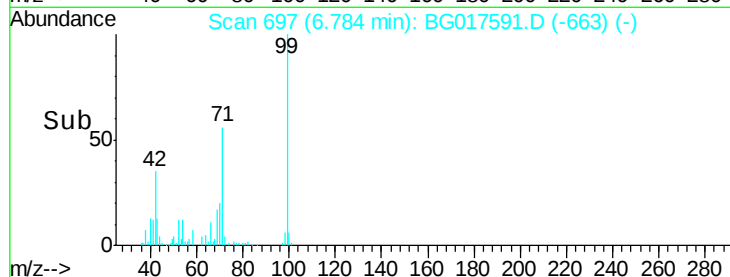
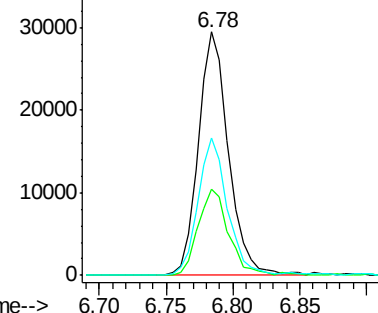
99 100

42 35.5 21.0 31.6#

71 56.3 37.2 55.8#



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: BG017591.D

Acq: 10 Jun 2015 3:15

Tgt Ion: 136 Resp: 74854

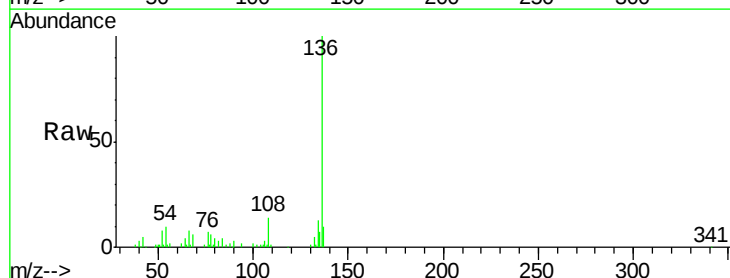
Ion Ratio Lower Upper

136 100

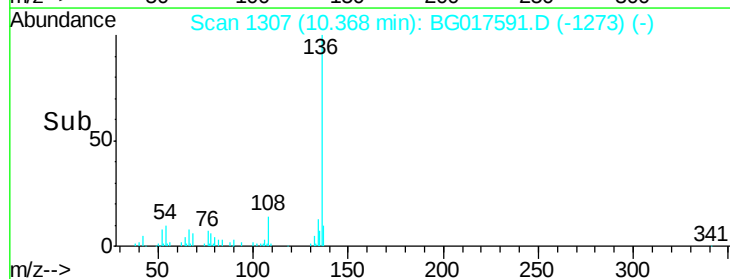
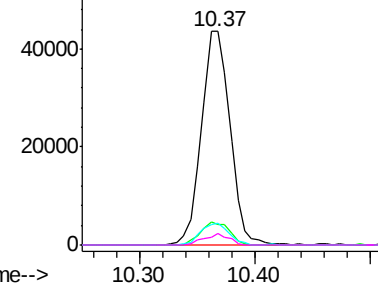
137 9.7 7.9 11.9

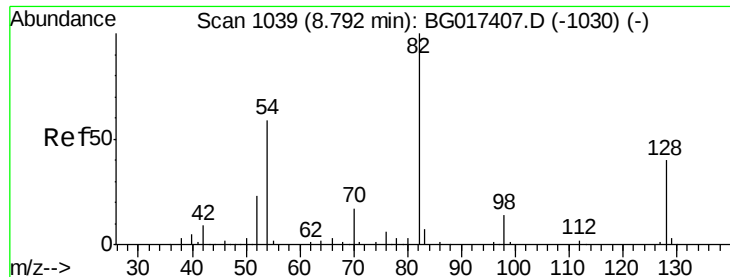
54 11.4 7.2 10.8#

68 5.7 4.5 6.7



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

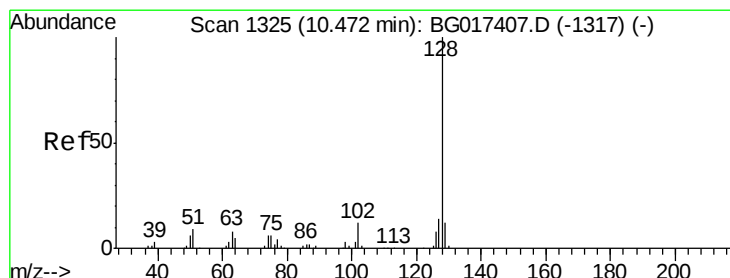
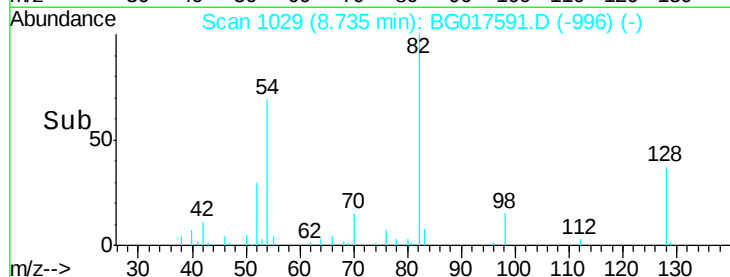
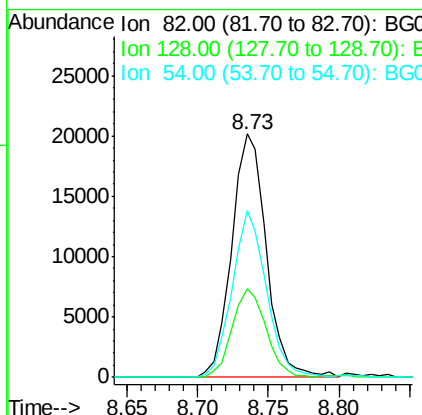
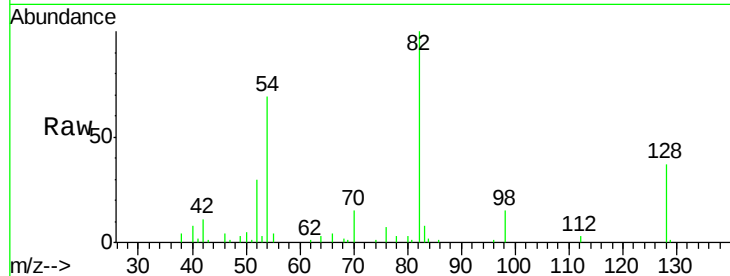




#23
Nitrobenzene-d5
Concen: 23.02 ng
RT: 8.73 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

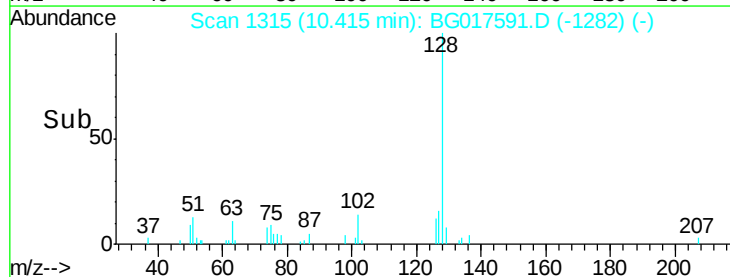
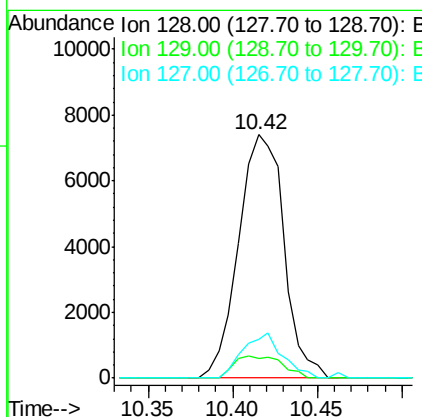
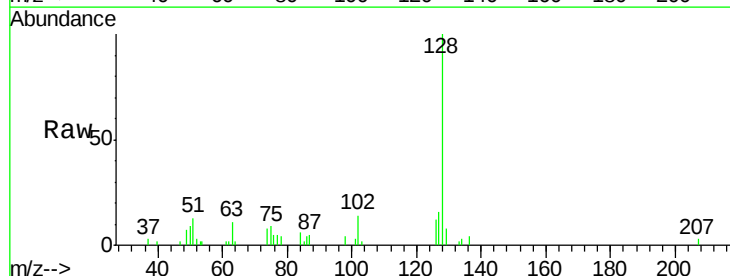
Instrument :
BNA_G
ClientSampleId :
DUSO-006

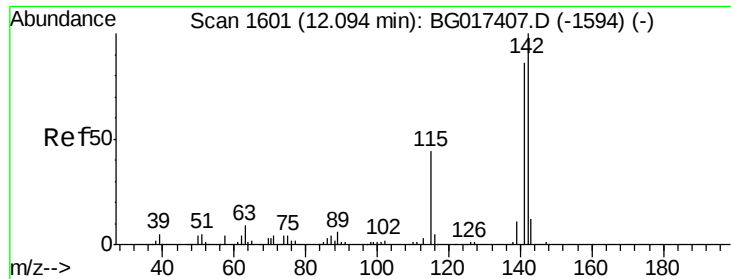
Tgt Ion: 82 Resp: 34515
Ion Ratio Lower Upper
82 100
128 36.6 32.2 48.4
54 68.6 47.4 71.2



#31
Naphthalene
Concen: 3.53 ng
RT: 10.42 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

Tgt Ion: 128 Resp: 13788
Ion Ratio Lower Upper
128 100
129 8.2 9.2 13.8#
127 15.9 10.9 16.3

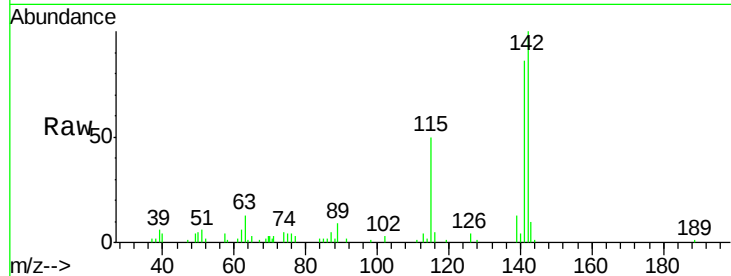




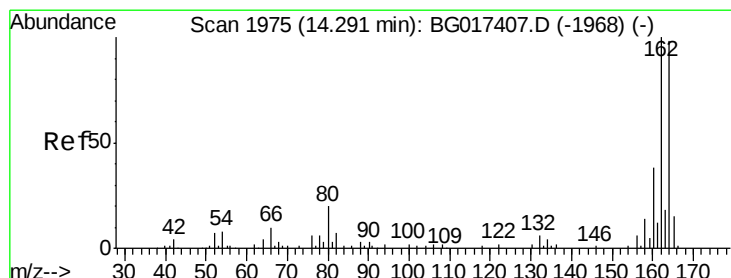
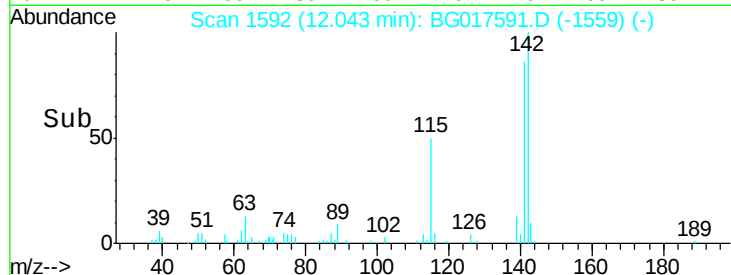
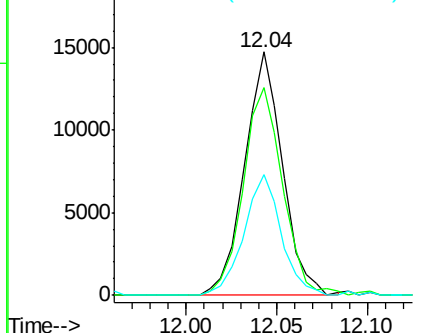
#37
2-Methylnaphthalene
Concen: 7.12 ng
RT: 12.04 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

Instrument :
BNA_G
ClientSampleId :
DUSO-006

Tgt Ion:142 Resp: 21409
Ion Ratio Lower Upper
142 100
141 85.6 68.6 102.8
115 49.6 35.3 52.9

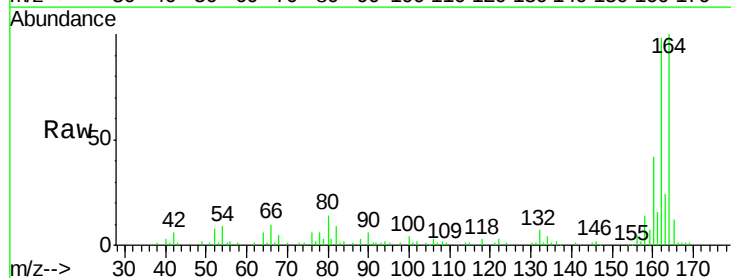


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

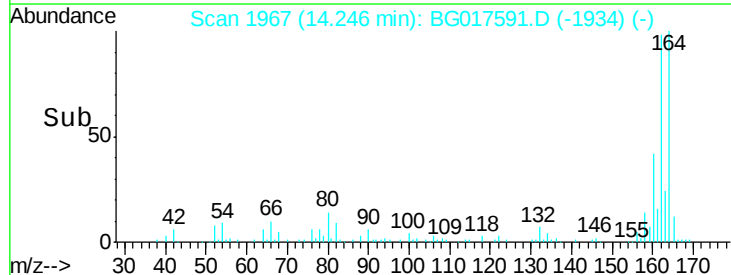
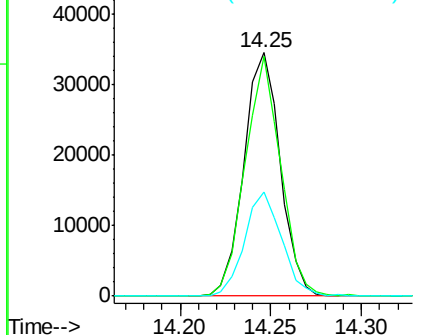


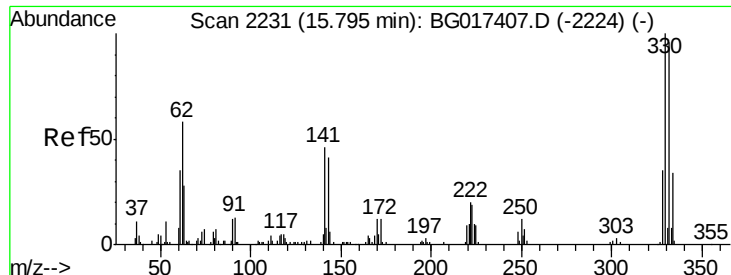
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.25 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

Tgt Ion:164 Resp: 48129
Ion Ratio Lower Upper
164 100
162 98.4 81.8 122.6
160 42.5 31.0 46.4



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

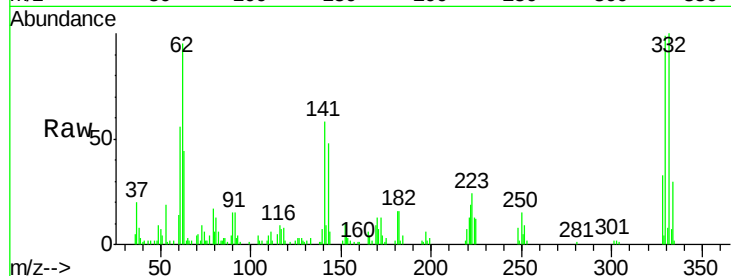




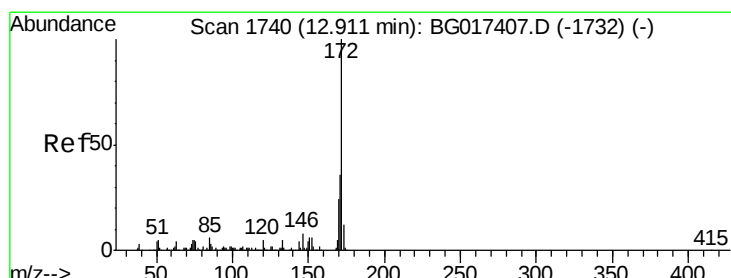
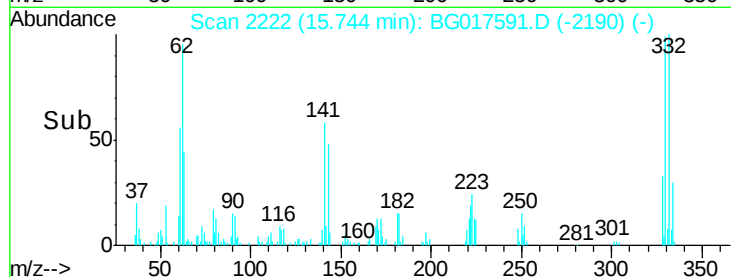
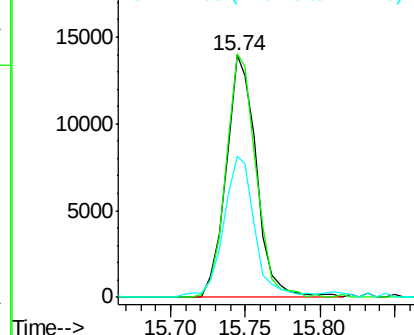
#41
 2,4,6-Tribromophenol
 Concen: 29.67 ng
 RT: 15.74 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG017591.D
 Acq: 10 Jun 2015 3:15

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

Tgt Ion:330 Resp: 19836
 Ion Ratio Lower Upper
 330 100
 332 99.4 75.9 113.9
 141 60.3 40.2 60.4

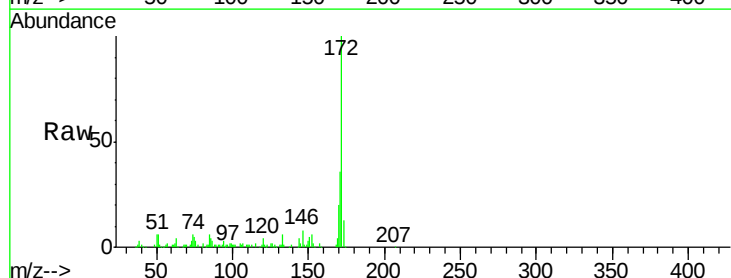


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

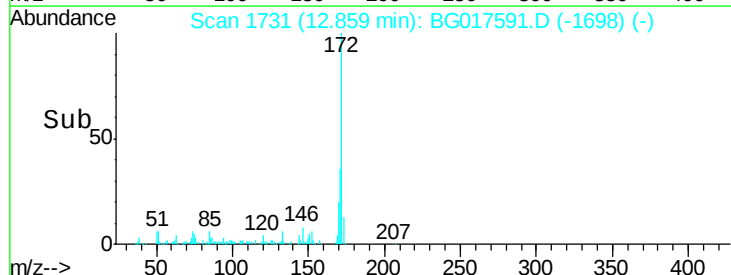
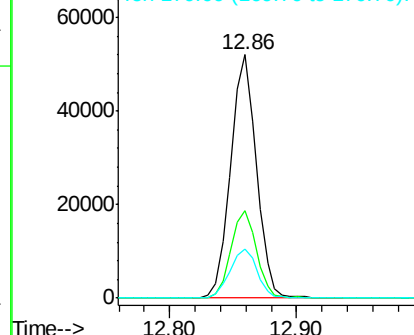


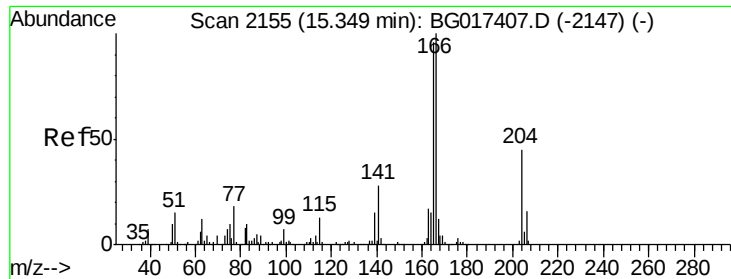
#44
 2-Fluorobiphenyl
 Concen: 22.87 ng
 RT: 12.86 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG017591.D
 Acq: 10 Jun 2015 3:15

Tgt Ion:172 Resp: 72967
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 20.4 18.9 28.3



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





#57

Fluorene

Concen: 6.84 ng

RT: 15.30 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

Instrument :

BNA_G

ClientSampleId :

DUSO-006

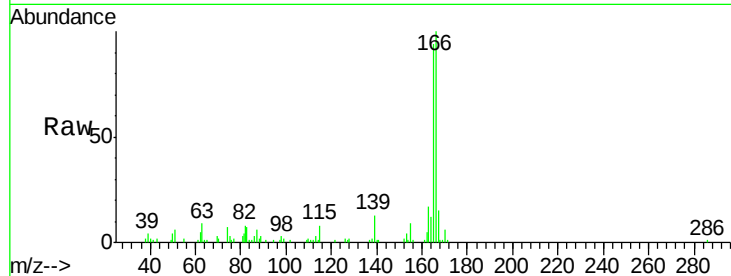
Tgt Ion:166 Resp: 27938

Ion Ratio Lower Upper

166 100

165 94.1 76.8 115.2

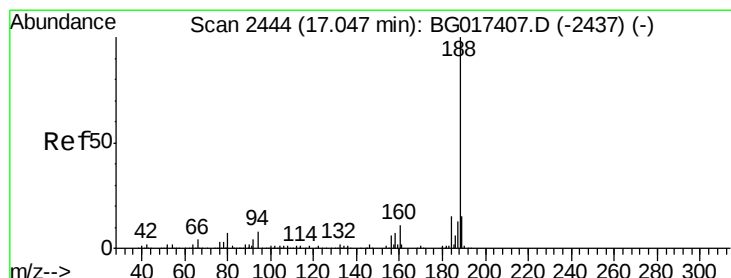
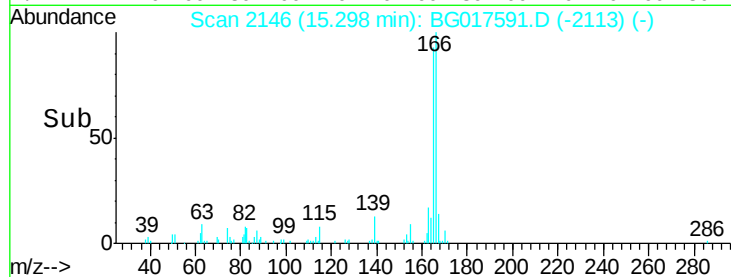
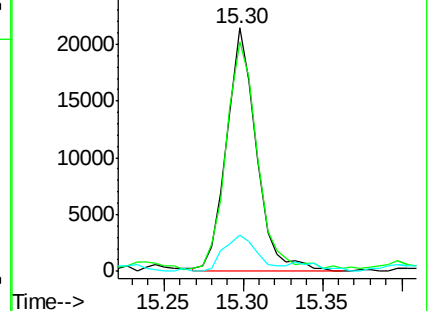
167 14.9 9.9 14.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.00 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

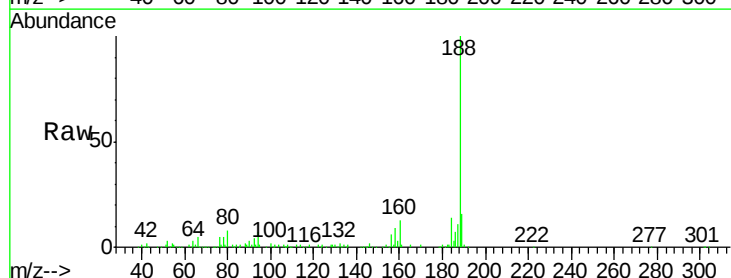
Tgt Ion:188 Resp: 105290

Ion Ratio Lower Upper

188 100

94 8.2 6.3 9.5

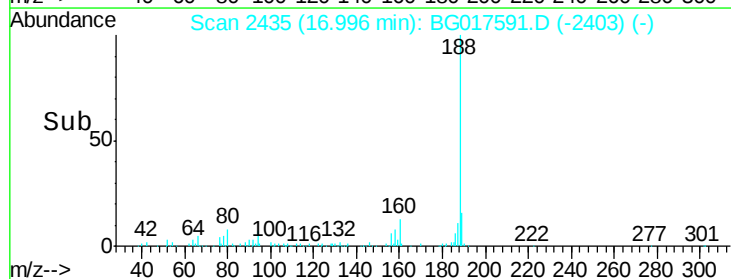
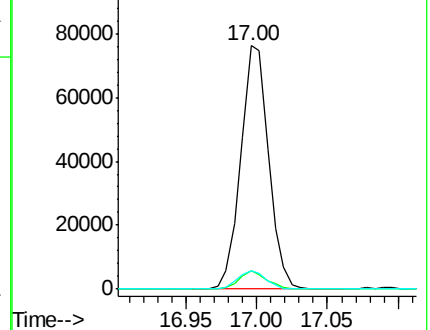
80 7.5 5.2 7.8

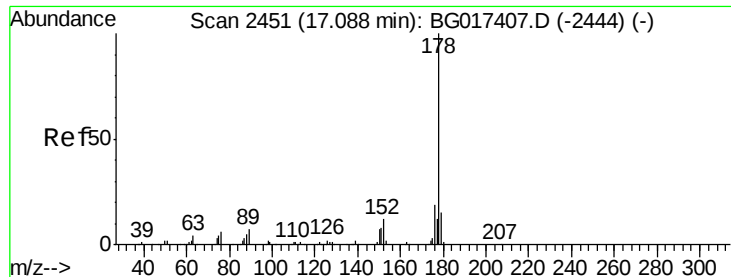


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#70

Phenanthrene

Concen: 35.80 ng

RT: 17.04 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

Instrument :

BNA_G

ClientSampleId :

DUSO-006

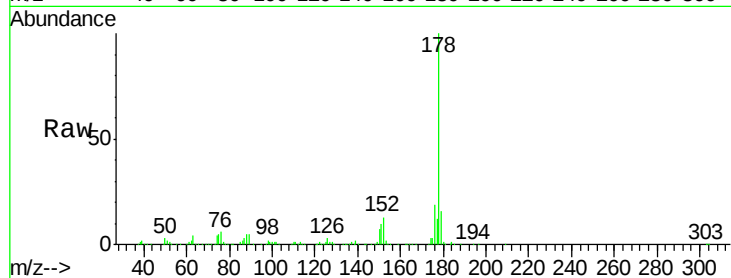
Tgt Ion:178 Resp: 210192

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

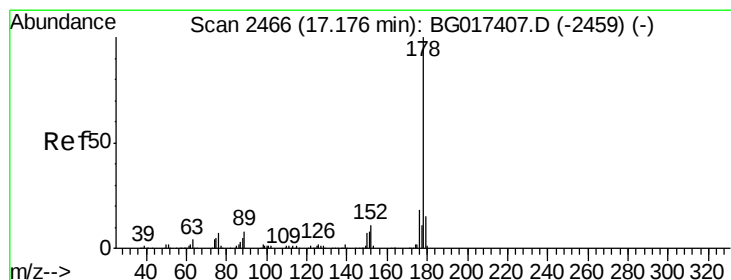
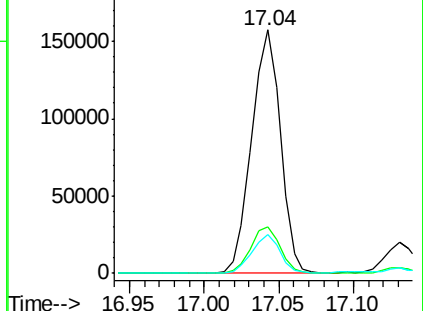
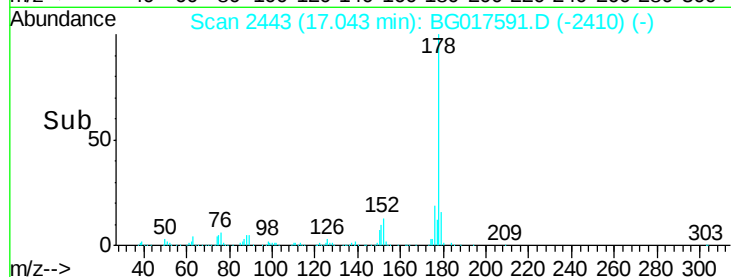
179 16.1 12.2 18.2



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



#71

Anthracene

Concen: 4.47 ng

RT: 17.13 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

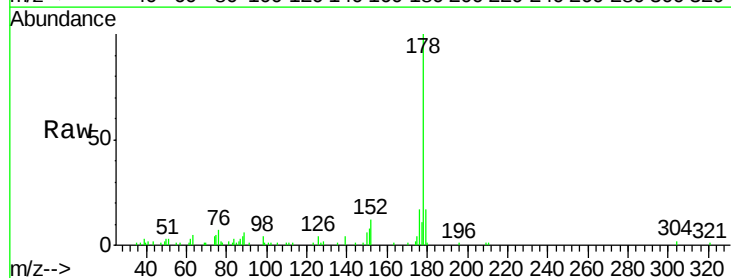
Tgt Ion:178 Resp: 26193

Ion Ratio Lower Upper

178 100

176 17.3 14.2 21.2

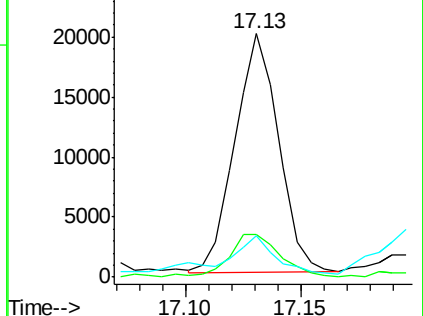
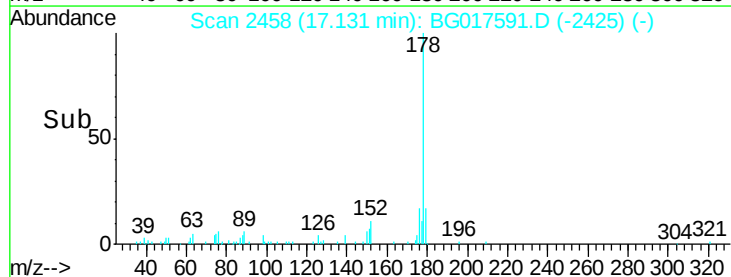
179 17.2 12.2 18.4

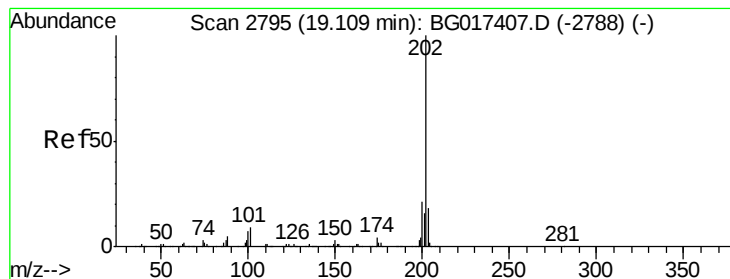


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 25.18 ng

RT: 19.07 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

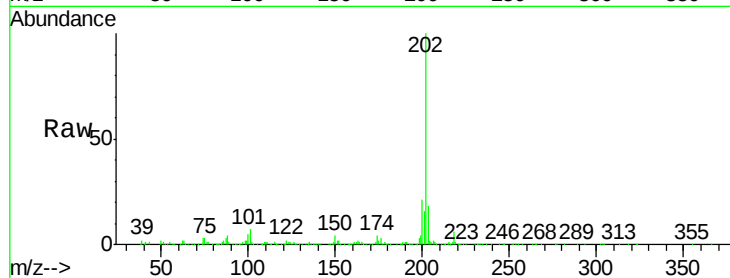
Instrument :

BNA_G

ClientSampleId :

DUSO-006

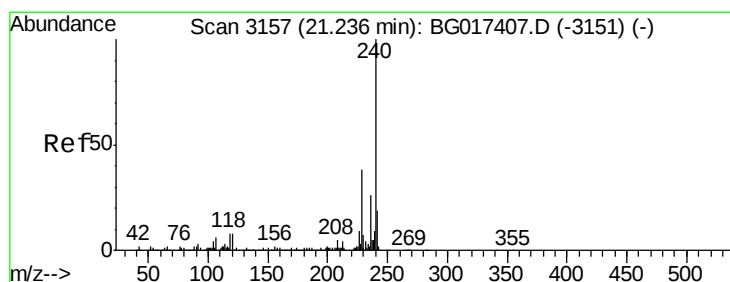
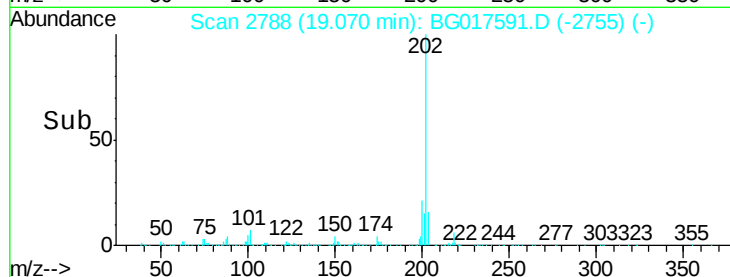
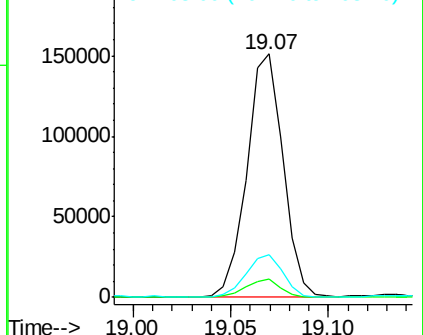
Tgt Ion:	202	Resp:	193313
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	28.8
203	17.7	0.0	37.6



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



#75

Chrysene-d12

Concen: 20.00 ng

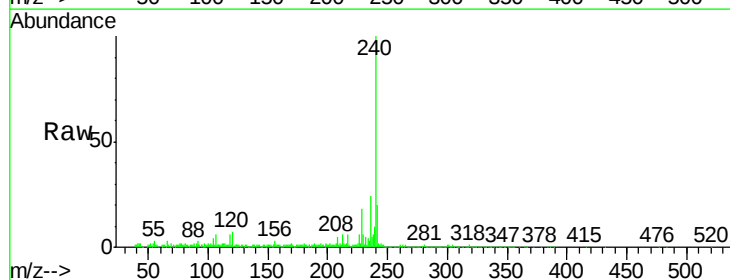
RT: 21.20 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

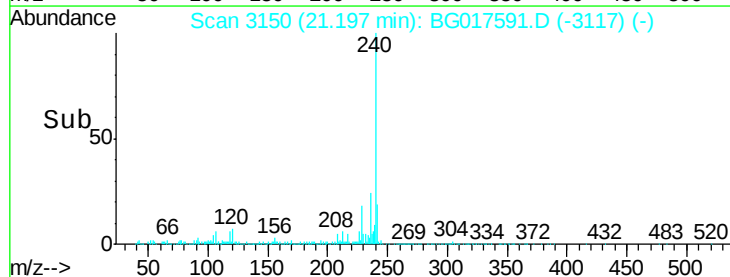
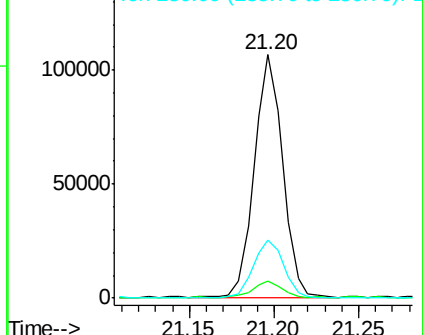
Tgt Ion:	240	Resp:	124981
Ion Ratio	Lower	Upper	
240	100		
120	7.2	6.5	9.7
236	24.0	20.8	31.2

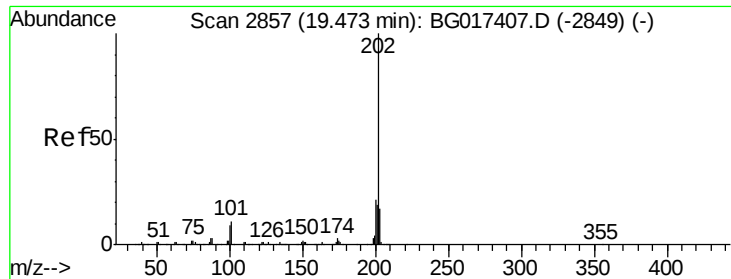


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 34.61 ng

RT: 19.43 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

Instrument :

BNA_G

ClientSampleId :

DUSO-006

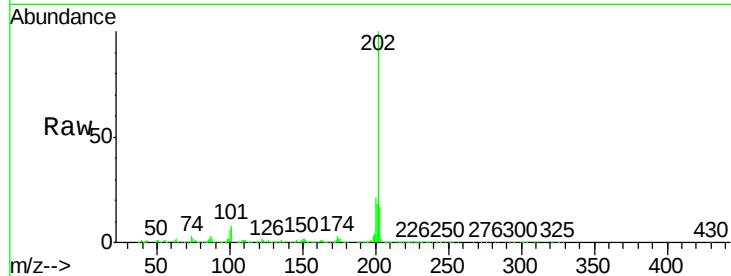
Tgt Ion:202 Resp: 266474

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

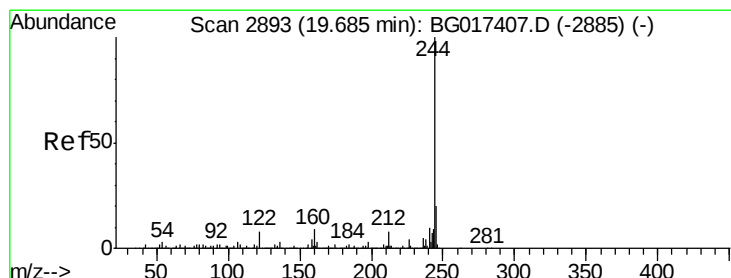
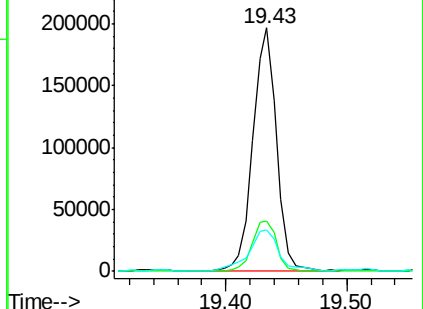
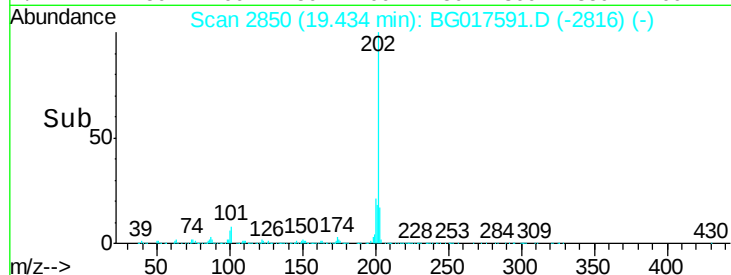
203 17.1 13.9 20.9



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: 18.80 ng

RT: 19.64 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

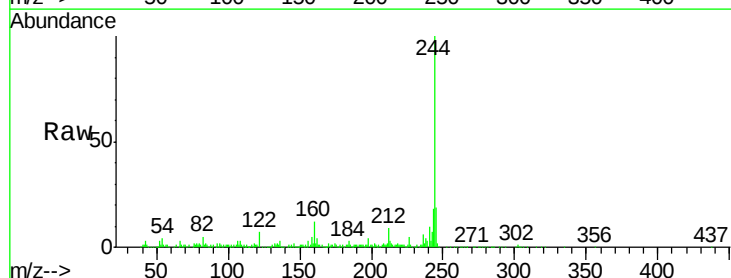
Tgt Ion:244 Resp: 113674

Ion Ratio Lower Upper

244 100

212 9.2 6.4 9.6

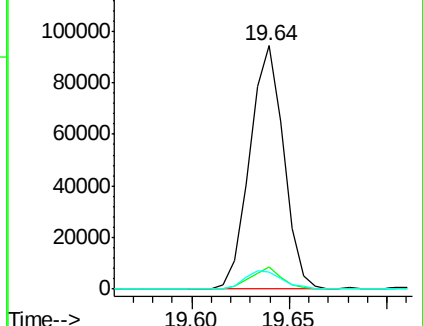
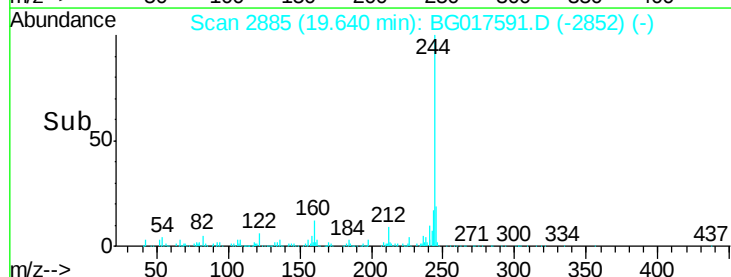
122 6.9 6.6 10.0

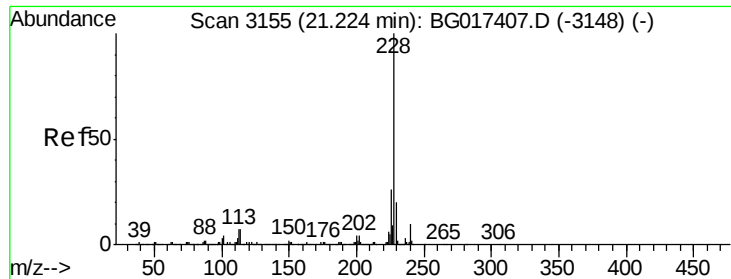


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 15.67 ng

RT: 21.18 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

Instrument :

BNA_G

ClientSampleId :

DUSO-006

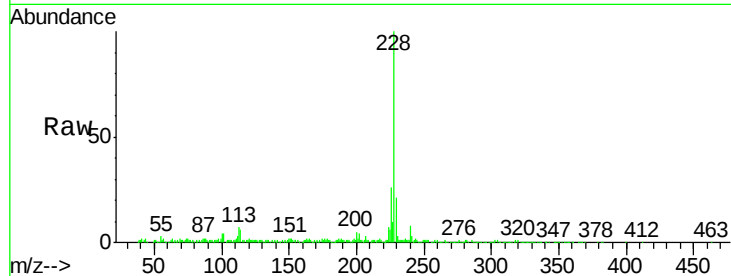
Tgt Ion:228 Resp: 120437

Ion Ratio Lower Upper

228 100

226 26.5 21.0 31.6

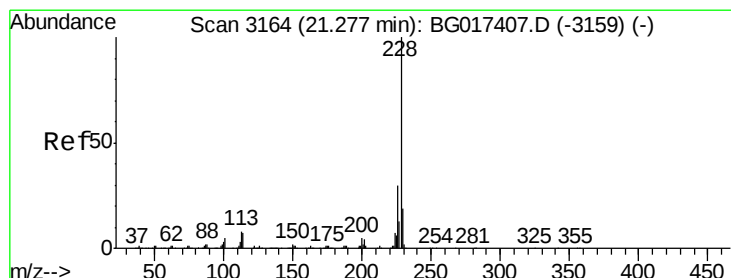
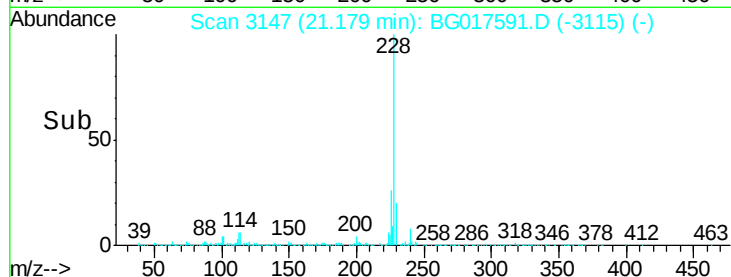
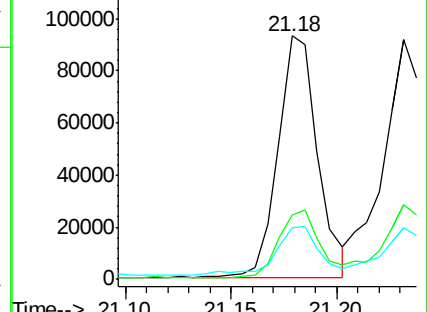
229 21.5 15.7 23.5



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



#82

Chrysene

Concen: 17.70 ng

RT: 21.23 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

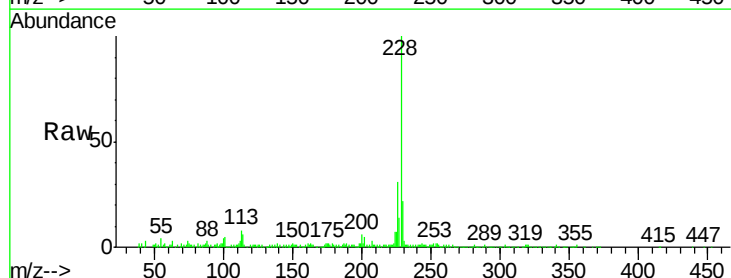
Tgt Ion:228 Resp: 123201

Ion Ratio Lower Upper

228 100

226 31.1 23.7 35.5

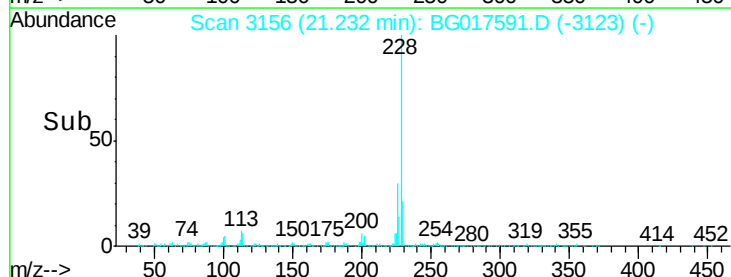
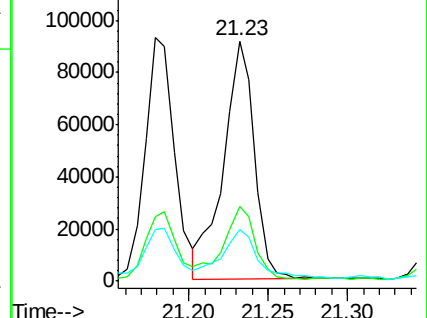
229 21.7 15.2 22.8

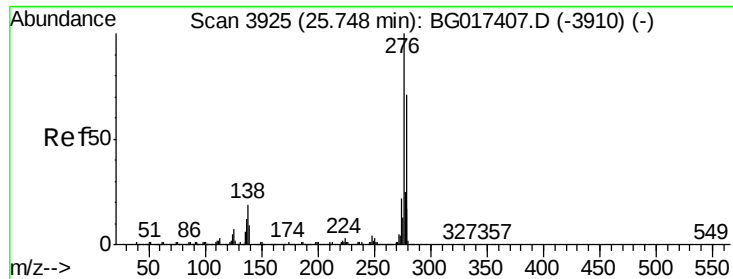


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

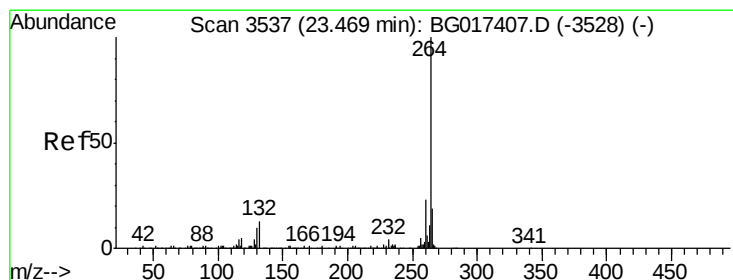
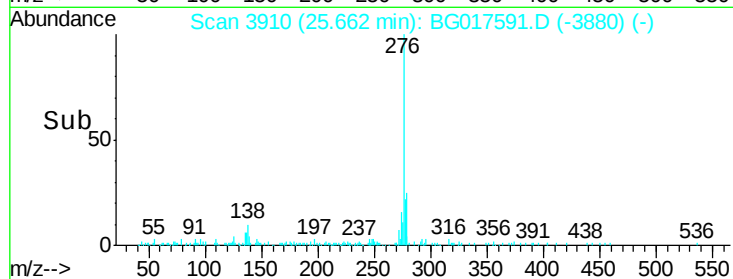
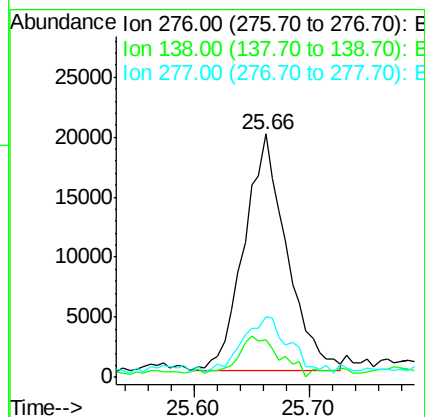
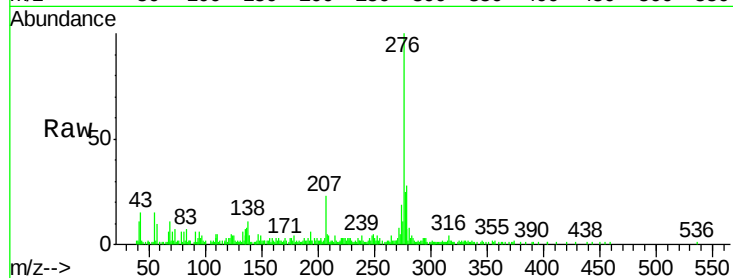




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.73 ng
RT: 25.66 min Scan# 3910
Delta R.T. -0.02 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

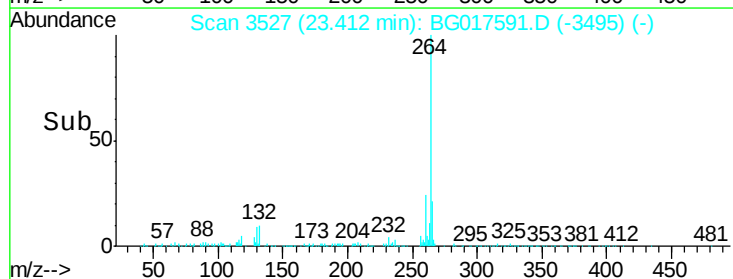
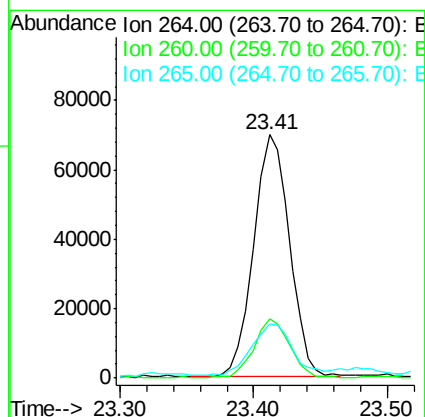
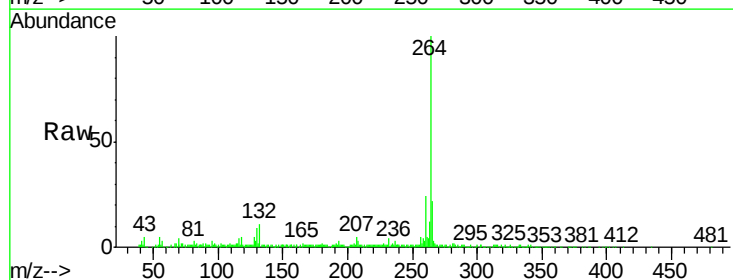
Instrument :
BNA_G
ClientSampleId :
DUSO-006

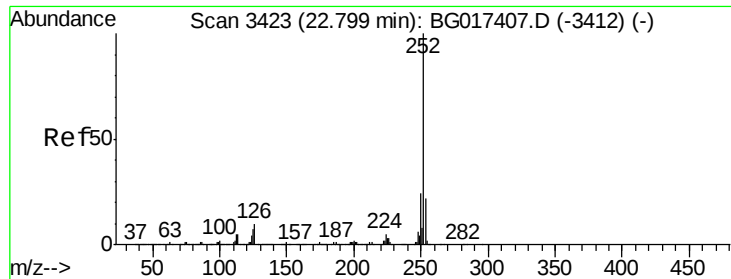
Tgt Ion:276 Resp: 50085
Ion Ratio Lower Upper
276 100
138 17.6 15.4 23.0
277 25.6 20.5 30.7



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.41 min Scan# 3527
Delta R.T. -0.01 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

Tgt Ion:264 Resp: 129919
Ion Ratio Lower Upper
264 100
260 24.5 18.2 27.4
265 22.2 15.8 23.6





#87

Benzo(b)fluoranthene

Concen: 18.01 ng

RT: 22.75 min Scan# 3414

Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

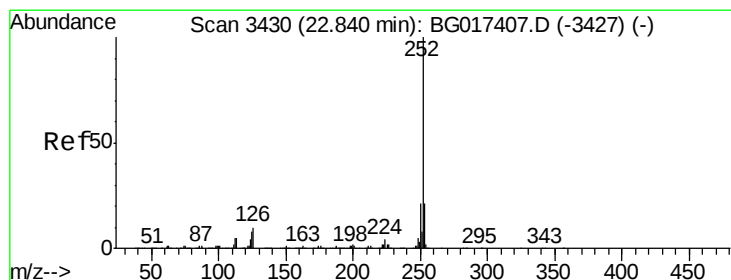
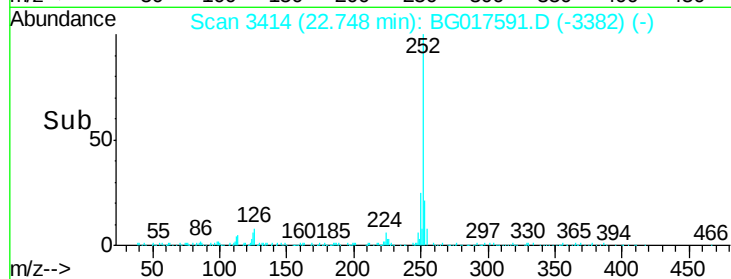
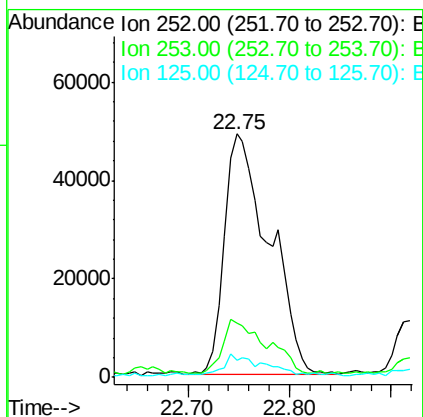
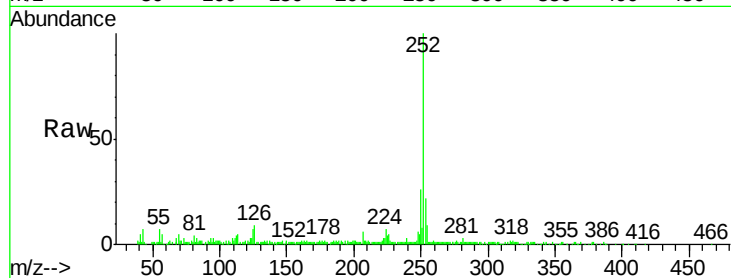
Instrument :

BNA_G

ClientSampleId :

DUSO-006

Tgt Ion:	252	Resp:	148279
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	6.8	5.8	8.8



#88

Benzo(k)fluoranthene

Concen: 18.82 ng

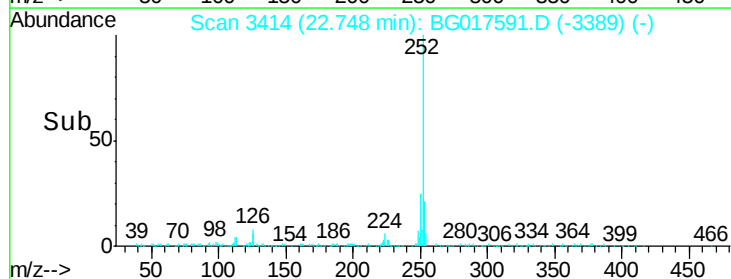
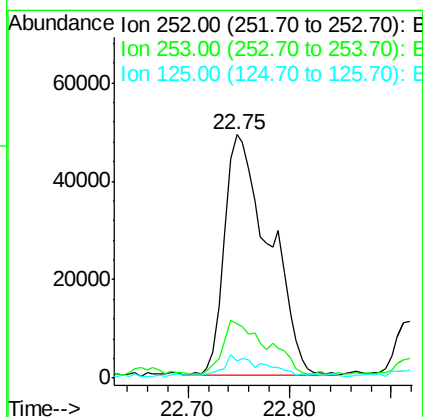
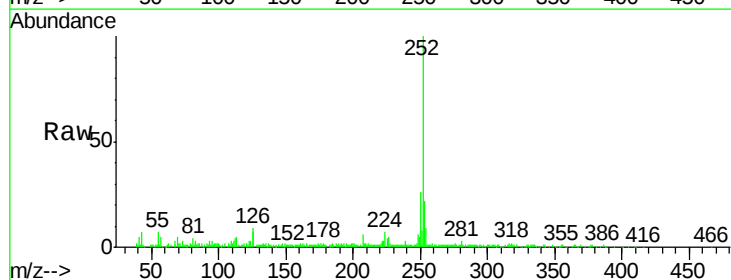
RT: 22.75 min Scan# 3414

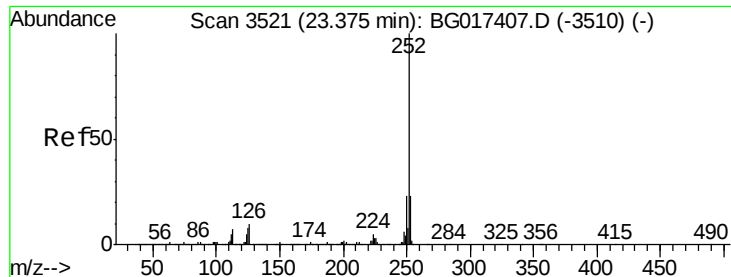
Delta R.T. -0.05 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

Tgt Ion:	252	Resp:	148279
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	6.8	6.5	9.7





#89

Benzo(a)pyrene

Concen: 7.95 ng

RT: 23.22 min Scan# 3495

Delta R.T. -0.10 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

Instrument :

BNA_G

ClientSampleId :

DUSO-006

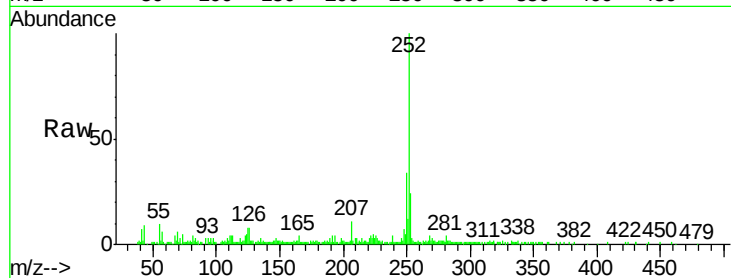
Tgt Ion:252 Resp: 60003

Ion Ratio Lower Upper

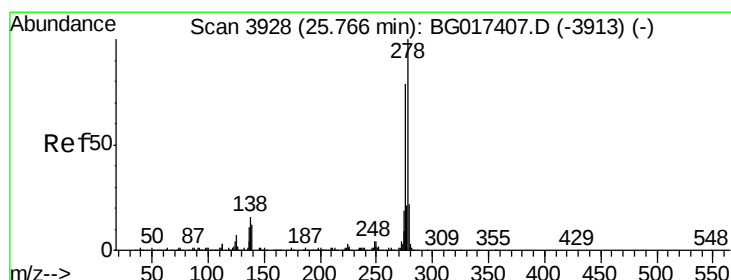
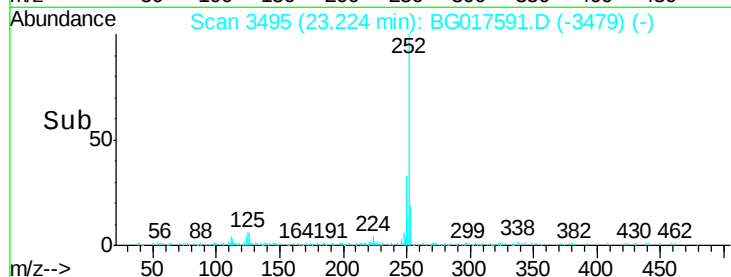
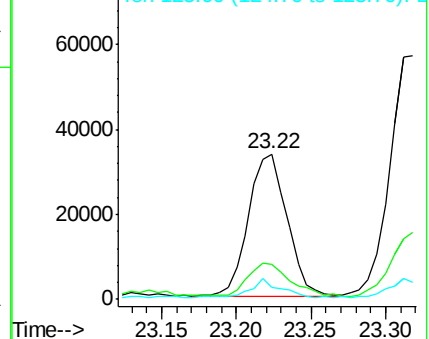
252 100

253 23.7 18.1 27.1

125 8.2 6.5 9.7



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

Dibenzo(a,h)anthracene

Concen: 2.13 ng

RT: 25.66 min Scan# 3910

Delta R.T. -0.03 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

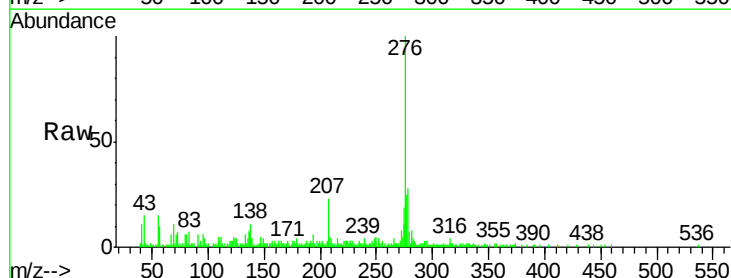
Tgt Ion:278 Resp: 16714

Ion Ratio Lower Upper

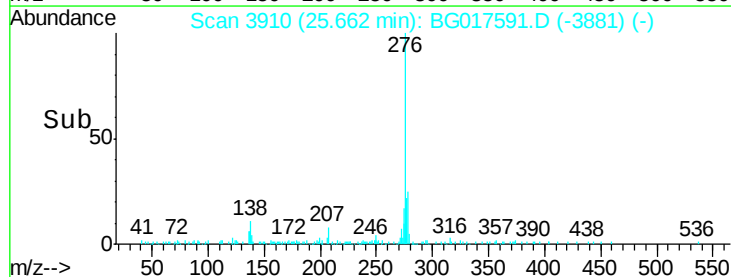
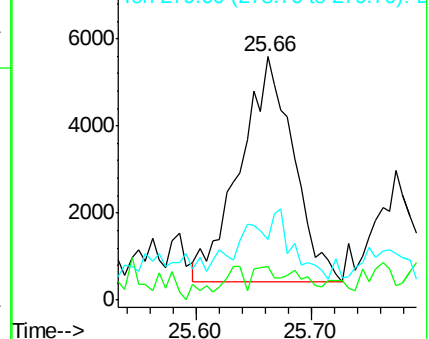
278 100

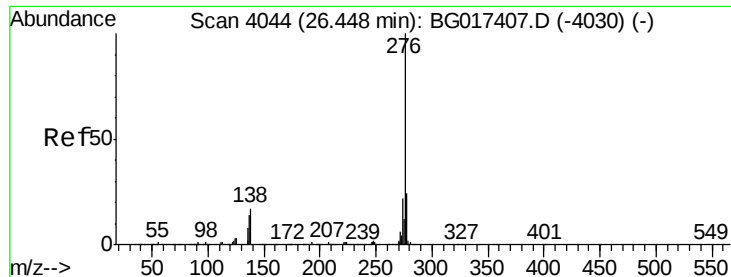
139 13.7 9.4 14.0

279 24.7 17.8 26.8



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 6.62 ng

RT: 26.36 min Scan# 4029

Delta R.T. -0.02 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

Instrument :

BNA_G

ClientSampleId :

DUSO-006

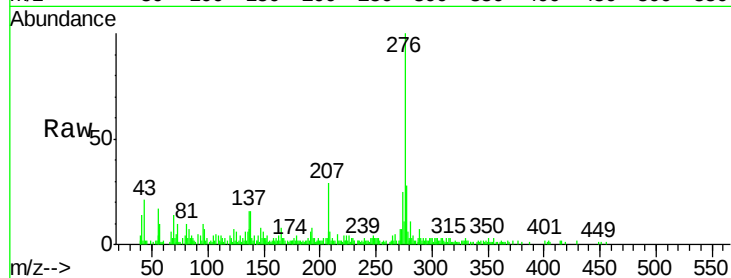
Tgt Ion: 276 Resp: 49441

Ion Ratio Lower Upper

276 100

277 27.9 19.2 28.8

138 16.5 13.5 20.3



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

