

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017548.D
 Acq On : 8 Jun 2015 18:04
 Operator : TP/IZ
 Sample : G2555-05 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-005

Quant Time: Jun 09 02:16:32 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 02:10:45 2015
 Response via : Initial Calibration

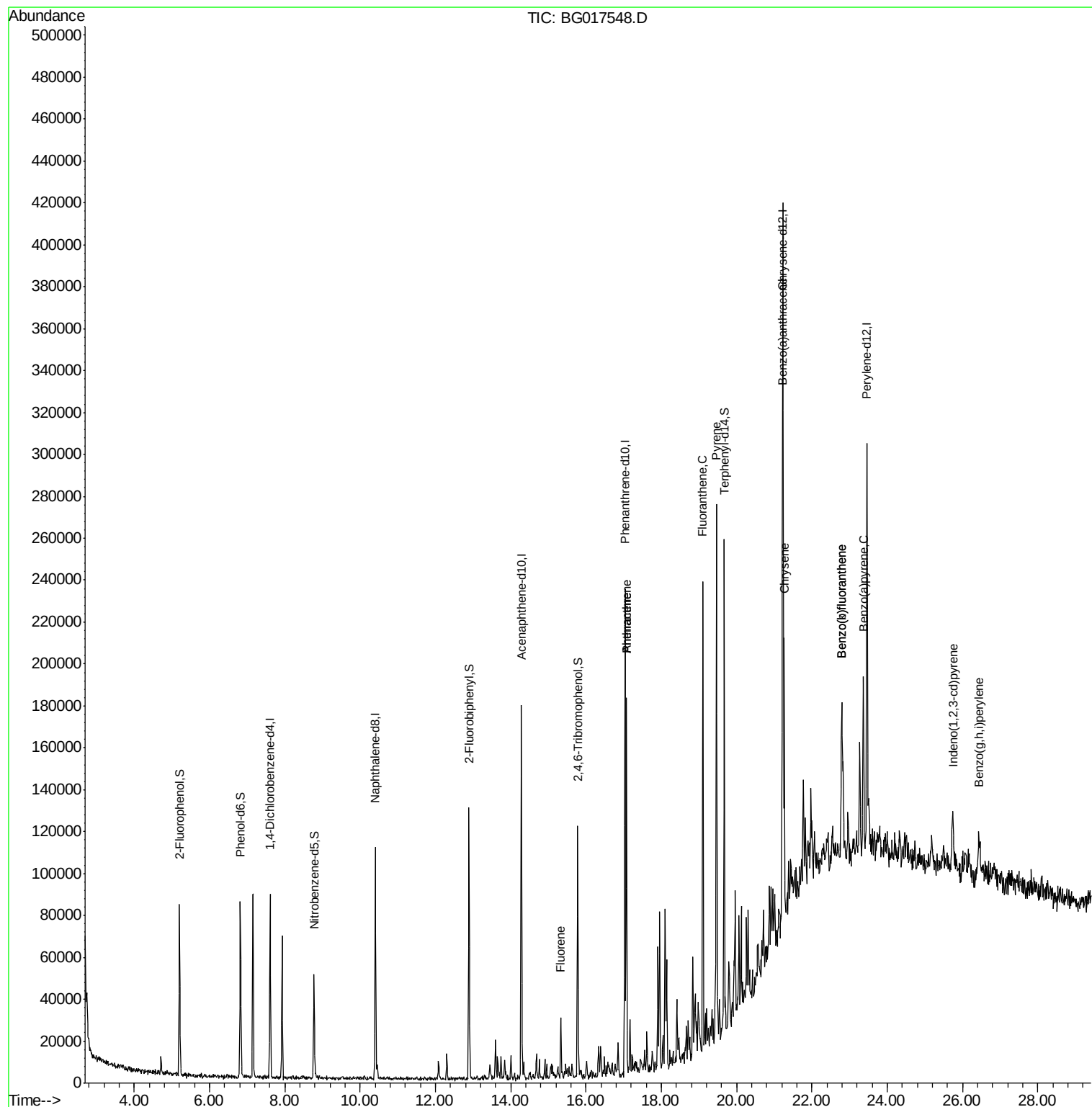
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	19237	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	78623	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	54726	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	115307	20.00	ng	0.00
75) Chrysene-d12	21.23	240	130809	20.00	ng	0.00
86) Perylene-d12	23.46	264	133238	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	29286	26.82	ng	0.00
7) Phenol-d6	6.82	99	35780	24.05	ng	0.00
23) Nitrobenzene-d5	8.78	82	27255	17.30	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	17041	22.42	ng	0.00
44) 2-Fluorobiphenyl	12.89	172	58156	16.03	ng	0.00
78) Terphenyl-d14	19.67	244	85140	13.45	ng	0.00
Target Compounds						Qvalue
57) Fluorene	15.34	166	10691	2.30	ng	97
70) Phenanthrene	17.08	178	92651	14.41	ng	97
71) Anthracene	17.08	178	92651	14.43	ng	99
74) Fluoranthene	19.10	202	111104	13.22	ng	97
77) Pyrene	19.47	202	146409	18.17	ng	98
80) Benzo(a)anthracene	21.21	228	67934	8.44	ng	96
82) Chrysene	21.27	228	67898	9.32	ng	96
85) Indeno(1,2,3-cd)pyrene	25.74	276	27535	3.01	ng	# 90
87) Benzo(b)fluoranthene	22.80	252	83920	9.94	ng	# 95
88) Benzo(k)fluoranthene	22.80	252	83920	10.39	ng	# 95
89) Benzo(a)pyrene	23.37	252	57251	7.39	ng	96
91) Benzo(g,h,i)perylene	26.44	276	23496	3.07	ng	97

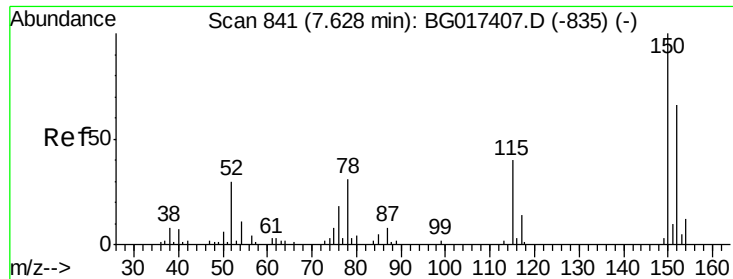
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUSO-005

Quant Time: Jun 09 02:16:32 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 02:10:45 2015
Response via : Initial Calibration



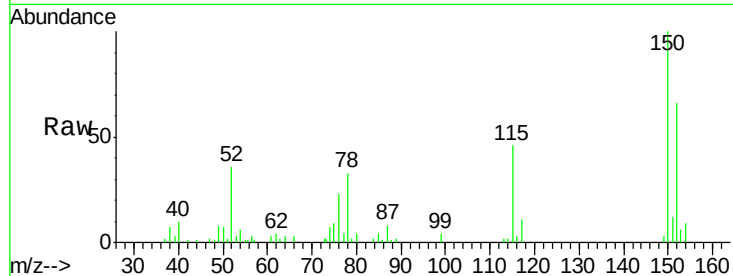


#1

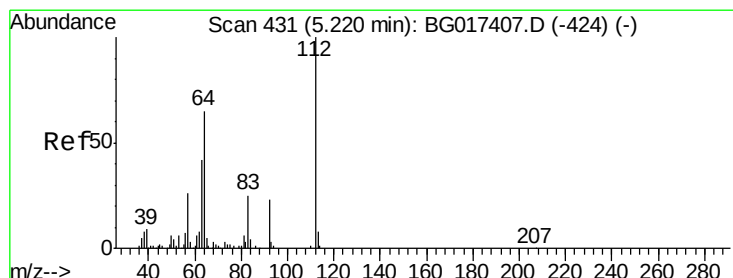
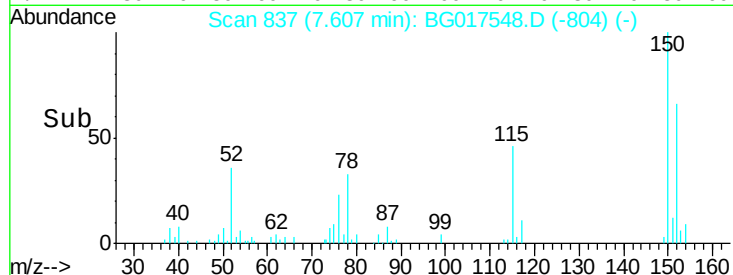
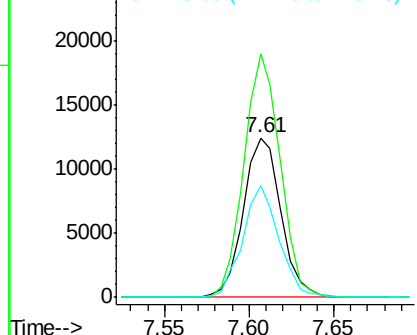
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG017548.D
Acq: 8 Jun 2015 18:04

Instrument :
BNA_G
ClientSampled :
DUSO-005

Tgt Ion:152 Resp: 19237
Ion Ratio Lower Upper
152 100
150 152.5 121.7 182.5
115 69.9 48.6 73.0



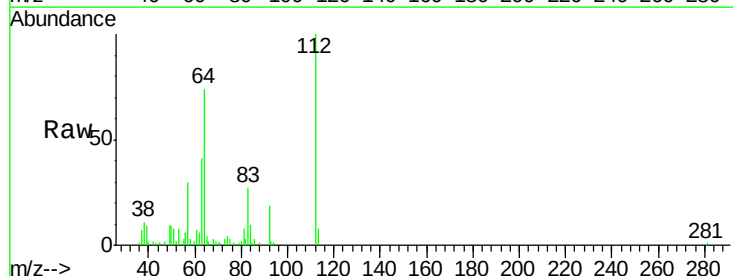
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



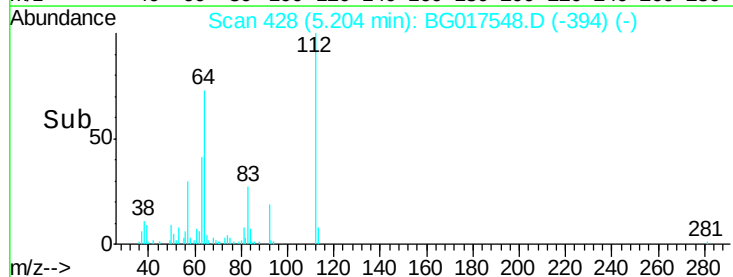
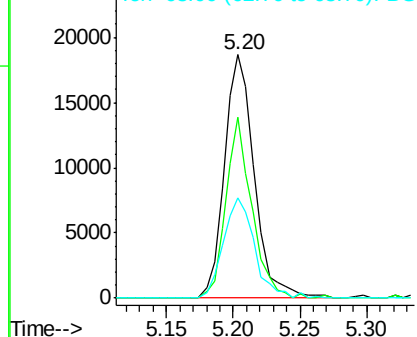
#5

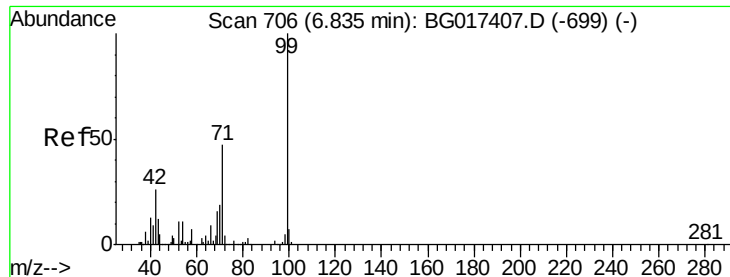
2-Fluorophenol
Concen: 26.82 ng
RT: 5.20 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG017548.D
Acq: 8 Jun 2015 18:04

Tgt Ion:112 Resp: 29286
Ion Ratio Lower Upper
112 100
64 74.1 51.6 77.4
63 41.2 33.3 49.9



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





#7

Phenol-d6

Concen: 24.05 ng

RT: 6.82 min Scan# 703

Delta R.T. 0.00 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Instrument :

BNA_G

ClientSampleId :

DUSO-005

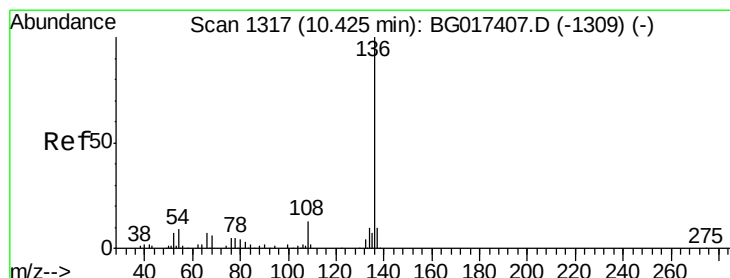
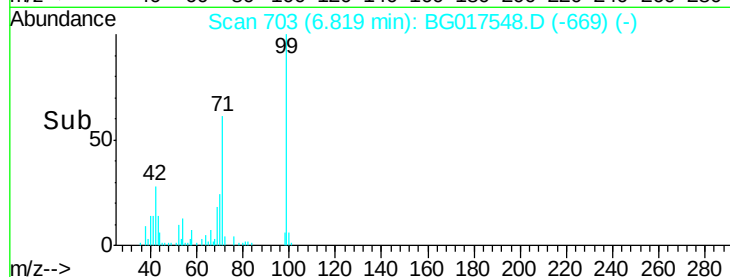
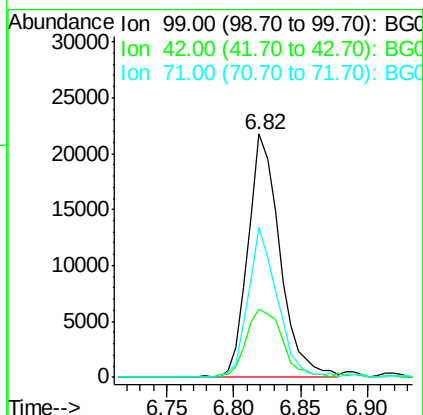
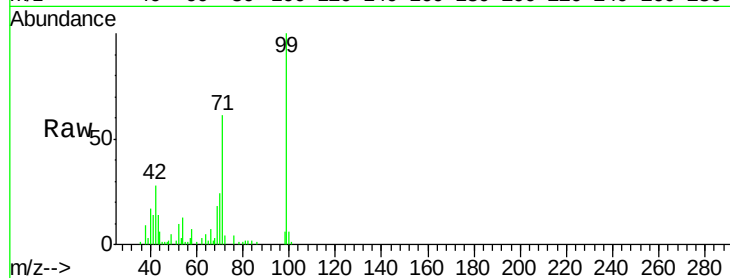
Tgt Ion: 99 Resp: 35780

Ion Ratio Lower Upper

99 100

42 28.1 21.0 31.6

71 61.4 37.2 55.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Tgt Ion: 136 Resp: 78623

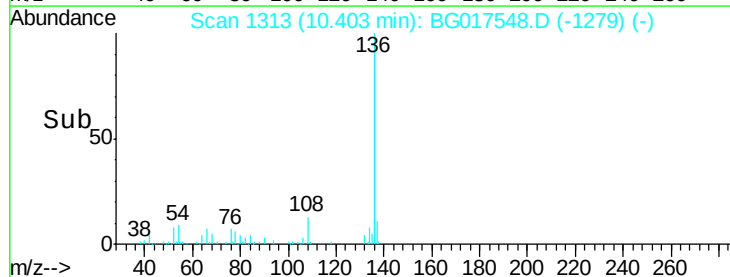
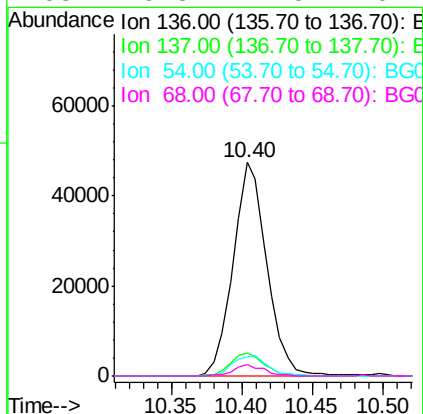
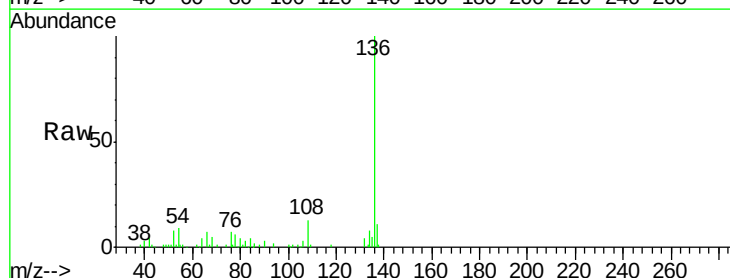
Ion Ratio Lower Upper

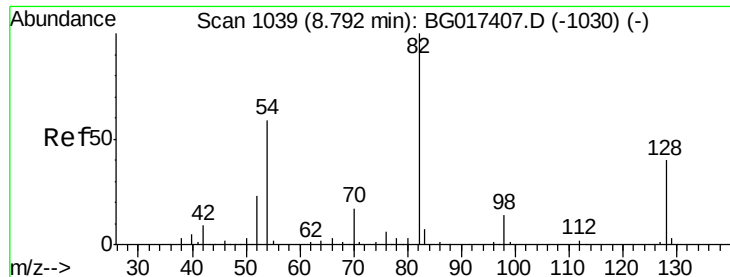
136 100

137 11.0 7.9 11.9

54 9.2 7.2 10.8

68 5.3 4.5 6.7

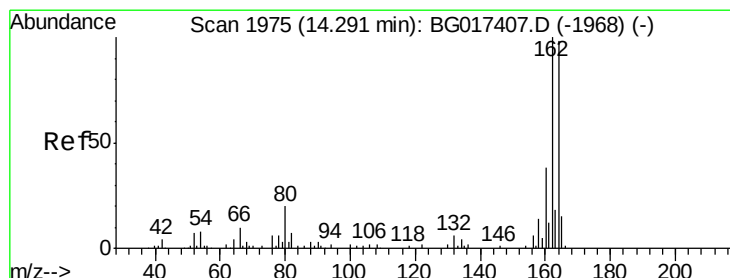
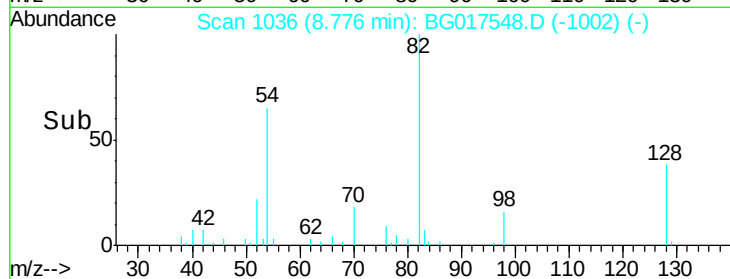
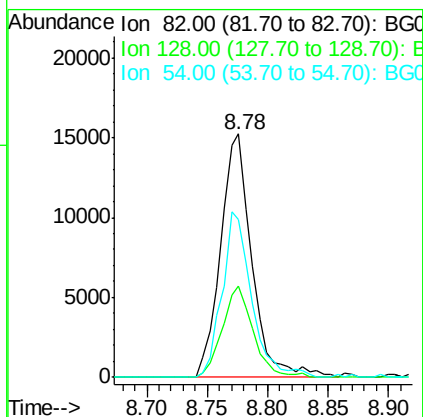
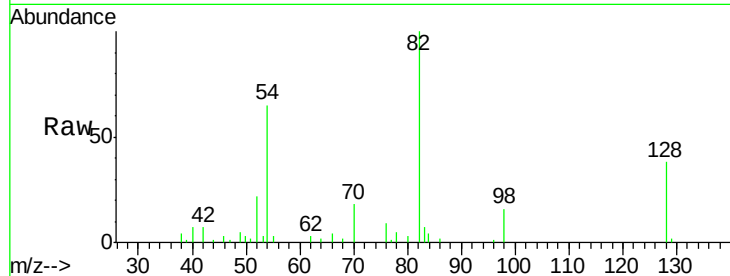




#23
 Nitrobenzene-d5
 Concen: 17.30 ng
 RT: 8.78 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

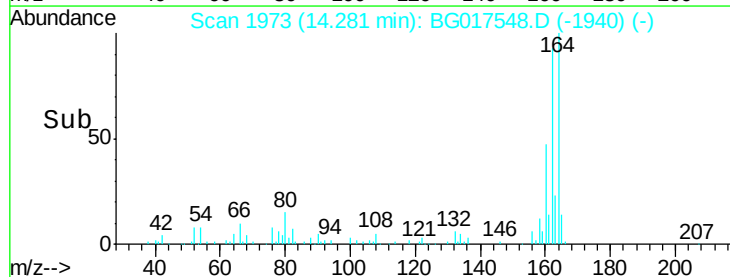
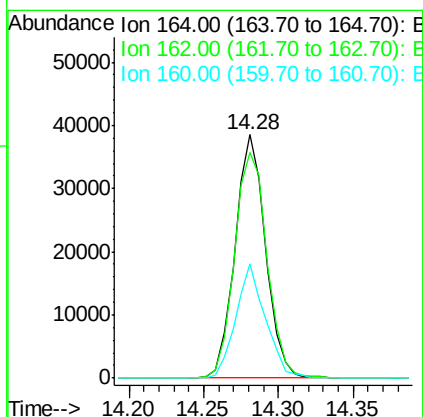
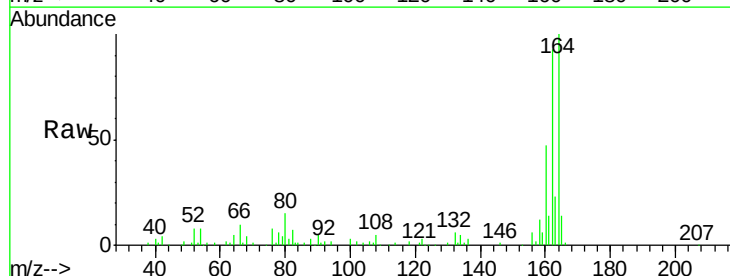
Instrument :
 BNA_G
 ClientSampleId :
 DUSO-005

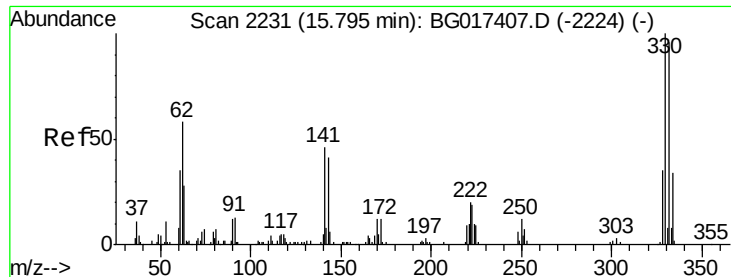
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.7	32.2	48.4
54	64.8	47.4	71.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.28 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	92.9	81.8	122.6
160	47.0	31.0	46.4

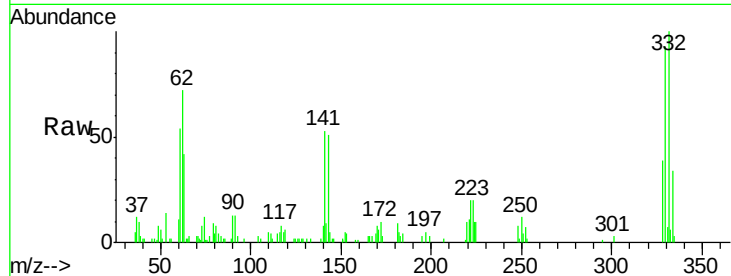




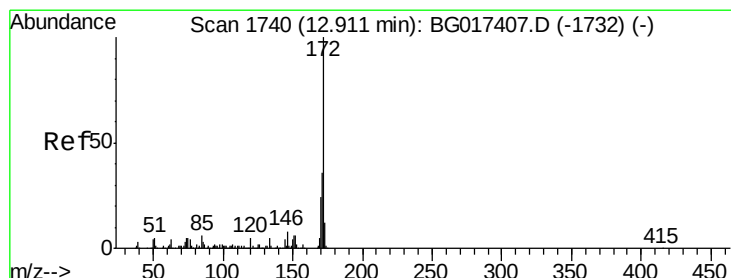
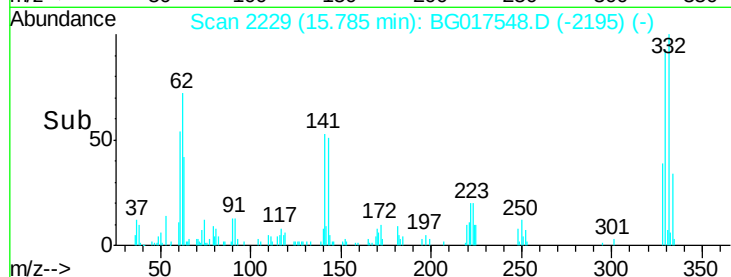
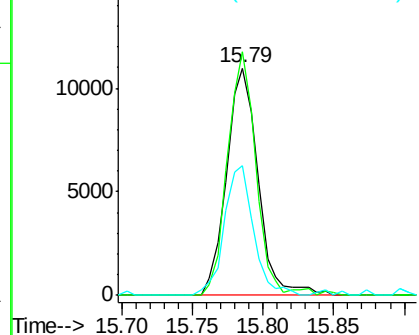
#41
 2,4,6-Tribromophenol
 Concen: 22.42 ng
 RT: 15.79 min Scan# 2229
 Delta R.T. 0.00 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-005

Tgt Ion:330 Resp: 17041
 Ion Ratio Lower Upper
 330 100
 332 95.0 75.9 113.9
 141 52.9 40.2 60.4

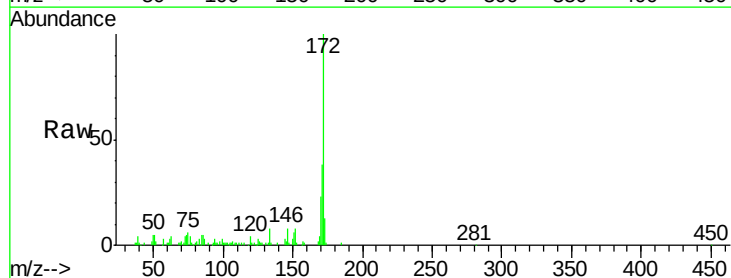


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

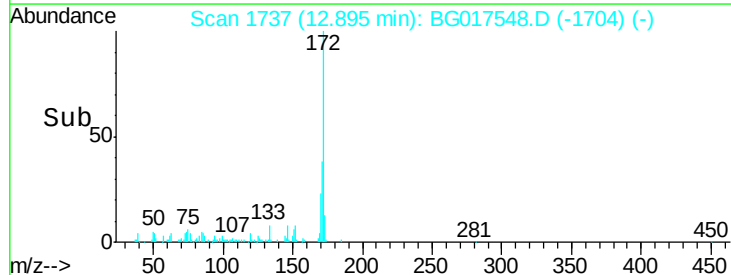
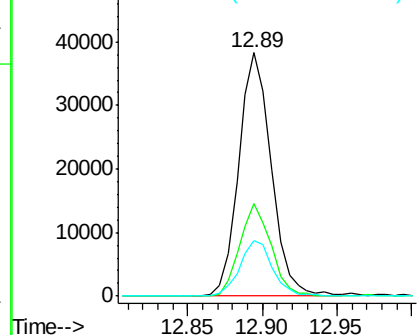


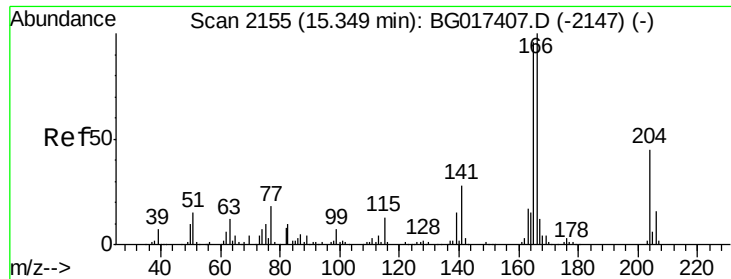
#44
 2-Fluorobiphenyl
 Concen: 16.03 ng
 RT: 12.89 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Tgt Ion:172 Resp: 58156
 Ion Ratio Lower Upper
 172 100
 171 37.9 29.0 43.6
 170 22.9 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

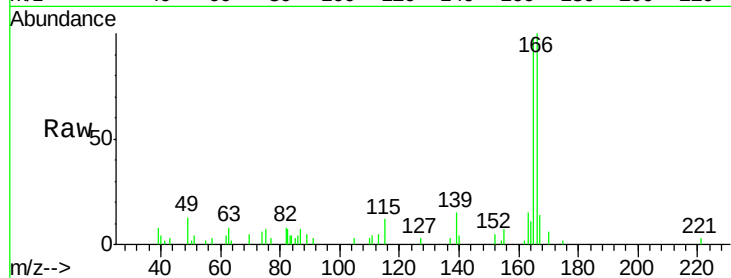




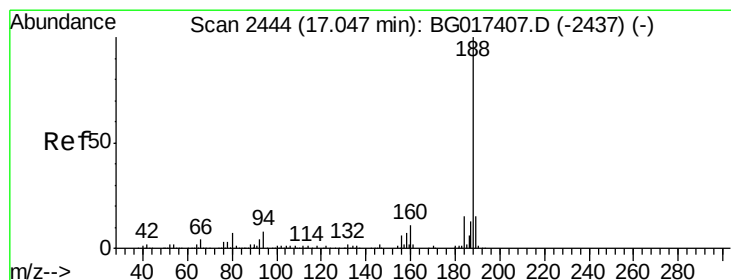
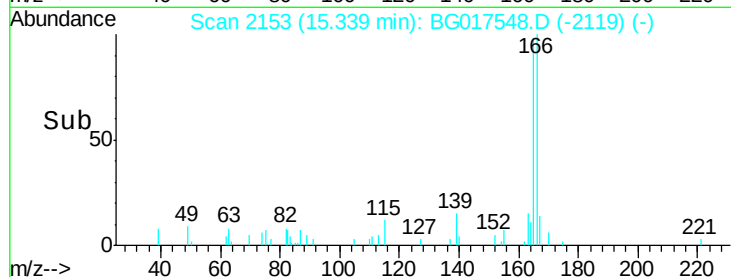
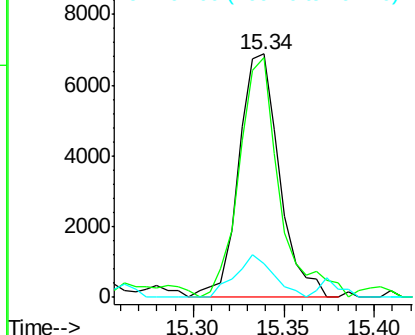
#57
 Fluorene
 Concen: 2.30 ng
 RT: 15.34 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-005

Tgt Ion:166 Resp: 10691
 Ion Ratio Lower Upper
 166 100
 165 98.4 76.8 115.2
 167 13.9 9.9 14.9

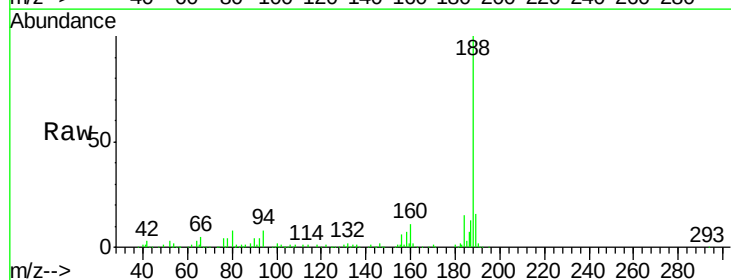


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

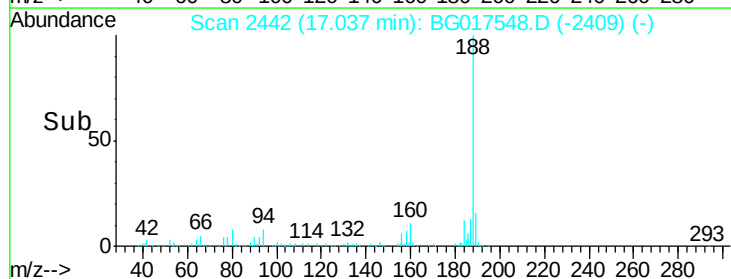
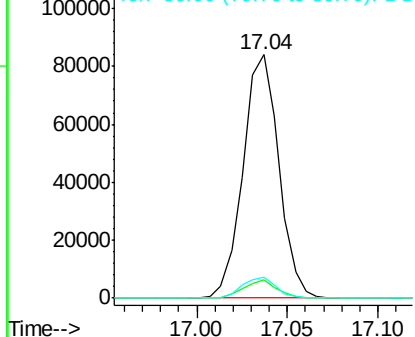


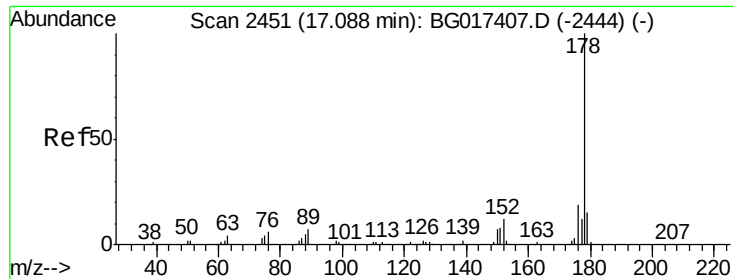
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.04 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Tgt Ion:188 Resp: 115307
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.3 9.5
 80 8.4 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: 14.41 ng

RT: 17.08 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Instrument :

BNA_G

ClientSampleId :

DUSO-005

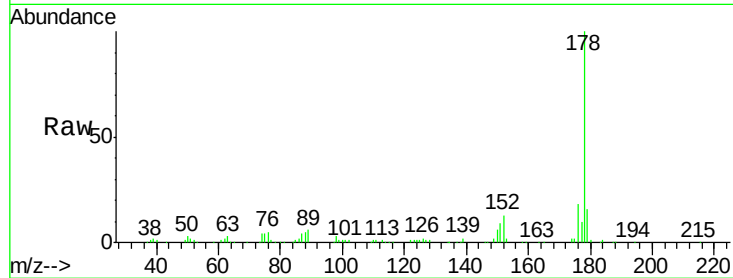
Tgt Ion:178 Resp: 92651

Ion Ratio Lower Upper

178 100

176 17.8 15.6 23.4

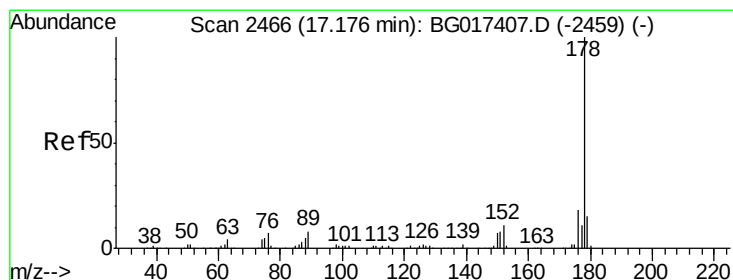
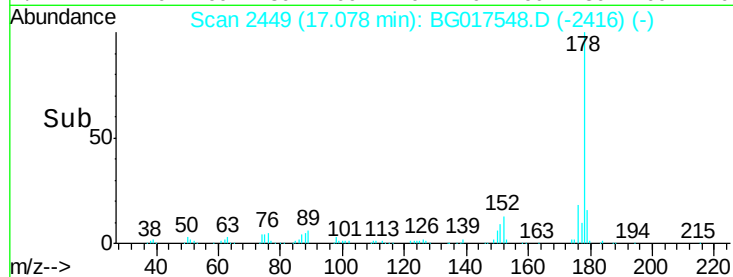
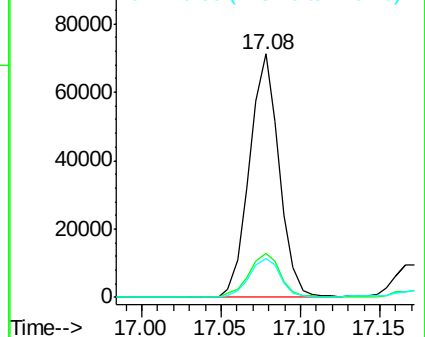
179 16.0 12.2 18.2



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: 14.43 ng

RT: 17.08 min Scan# 2449

Delta R.T. -0.09 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

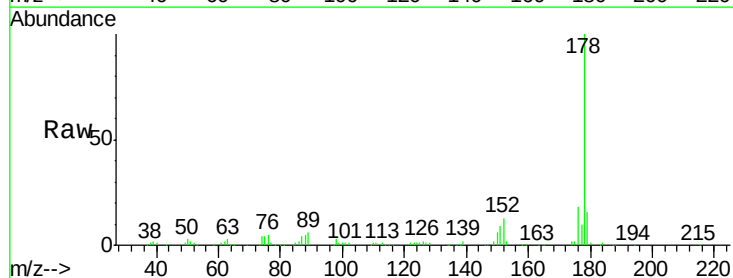
Tgt Ion:178 Resp: 92651

Ion Ratio Lower Upper

178 100

176 17.8 14.2 21.2

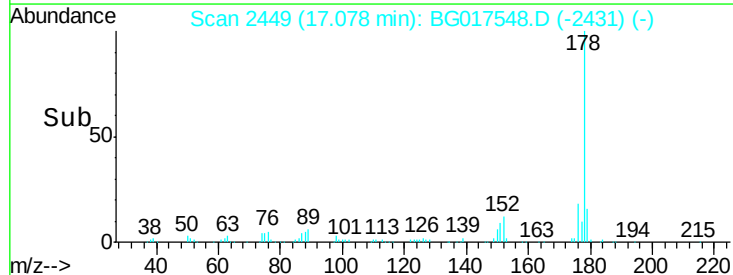
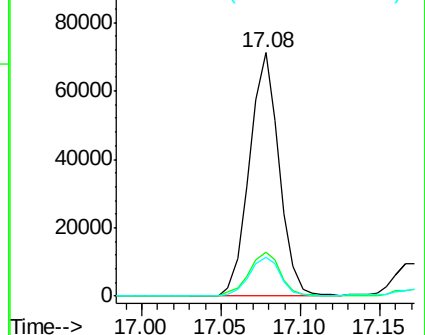
179 16.0 12.2 18.4

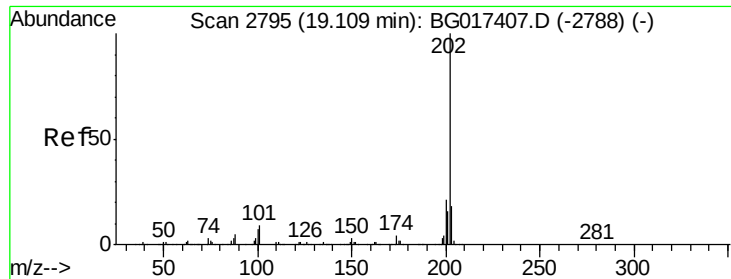


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.22 ng

RT: 19.10 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

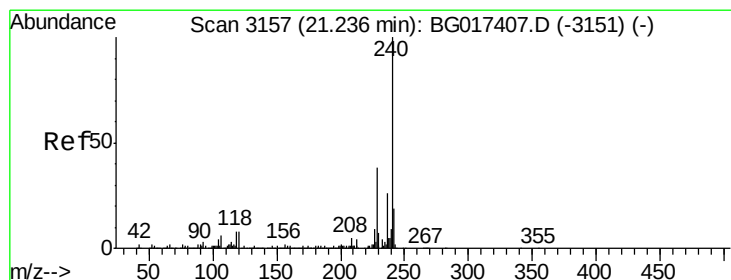
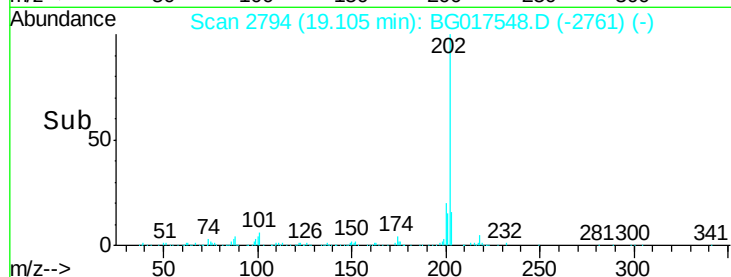
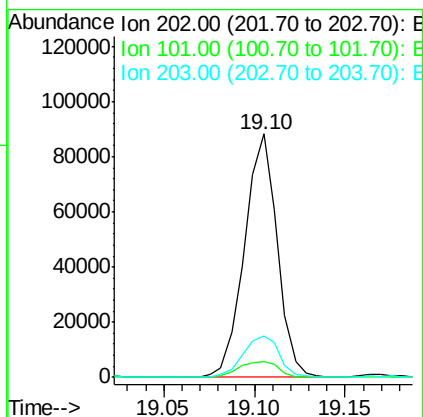
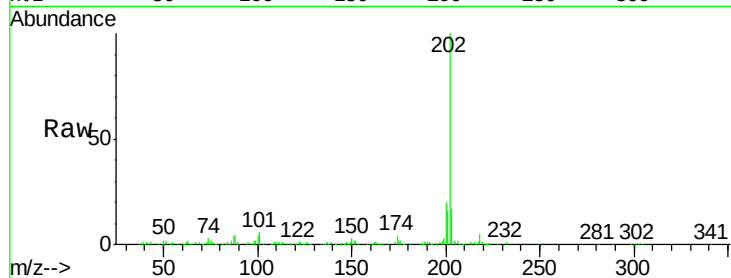
Instrument :

BNA_G

ClientSampleId :

DUSO-005

Tgt Ion:	202	Resp:	111104
Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	28.8
203	16.9	0.0	37.6



#75

Chrysene-d12

Concen: 20.00 ng

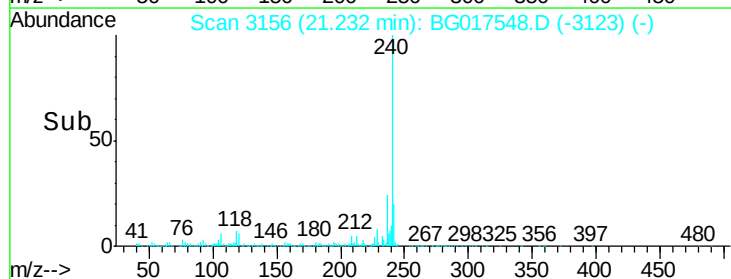
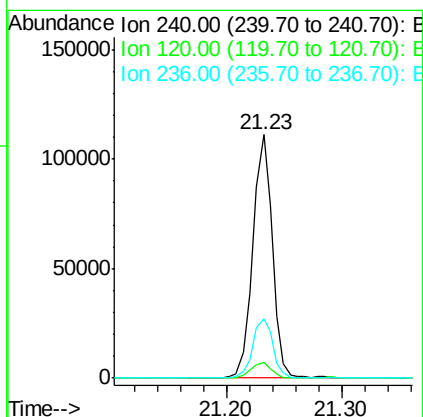
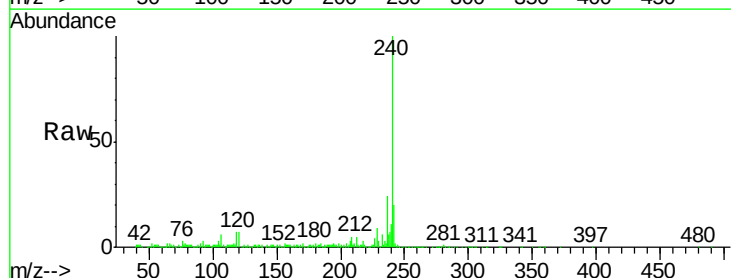
RT: 21.23 min Scan# 3156

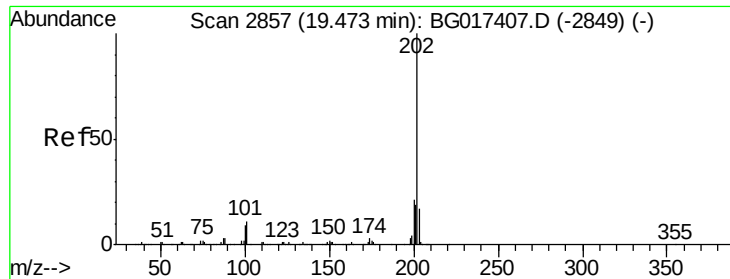
Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Tgt Ion:	240	Resp:	130809
Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.5	9.7
236	24.3	20.8	31.2

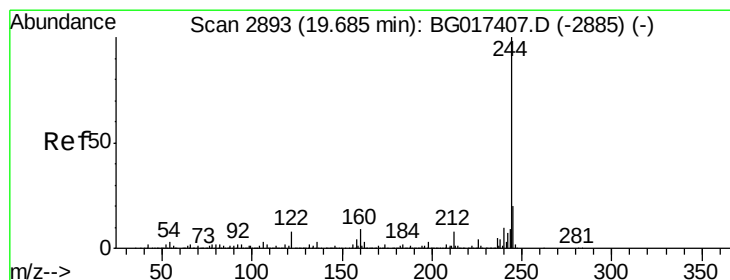
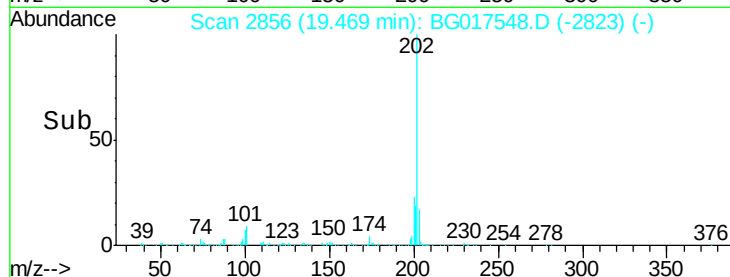
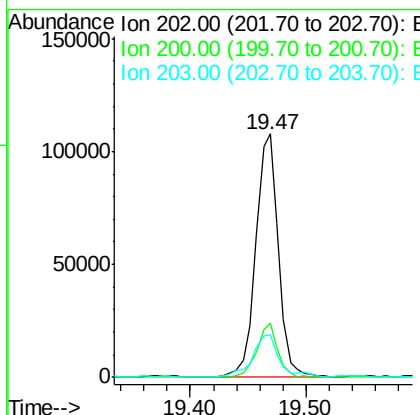
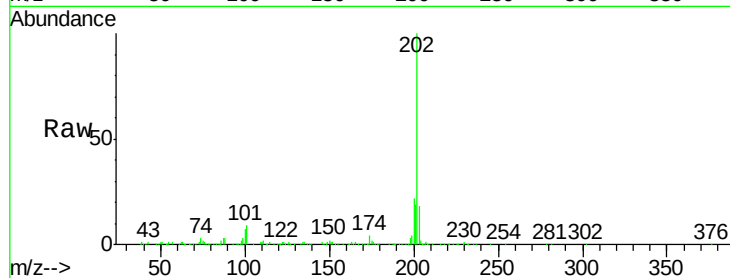




#77
 Pyrene
 Concen: 18.17 ng
 RT: 19.47 min Scan# 2856
 Delta R.T. -0.01 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

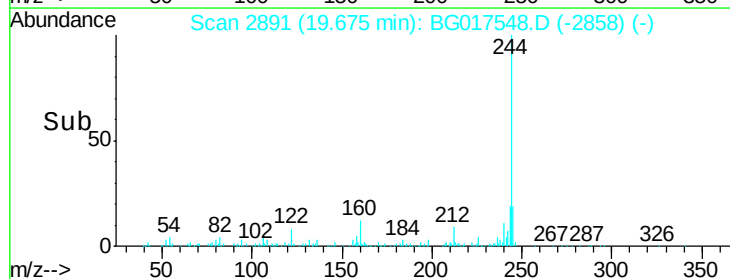
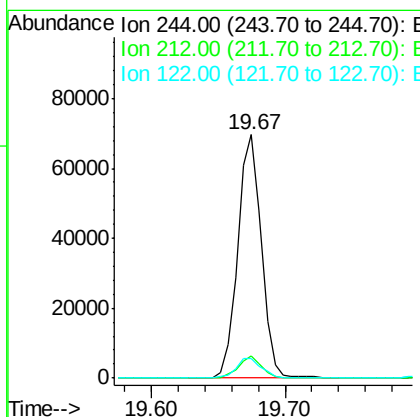
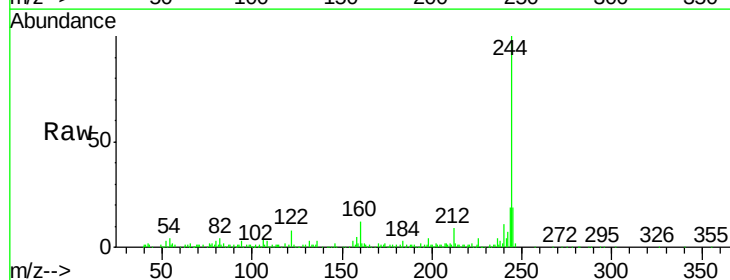
Instrument :
 BNA_G
 ClientSampleId :
 DUSO-005

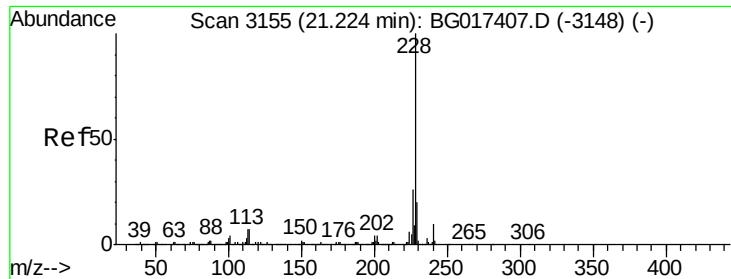
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.0	25.4
203	17.8	13.9	20.9



#78
 Terphenyl-d14
 Concen: 13.45 ng
 RT: 19.67 min Scan# 2891
 Delta R.T. -0.01 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.4	9.6
122	7.9	6.6	10.0





#80

Benzo(a)anthracene

Concen: 8.44 ng

RT: 21.21 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Instrument :

BNA_G

ClientSampleId :

DUSO-005

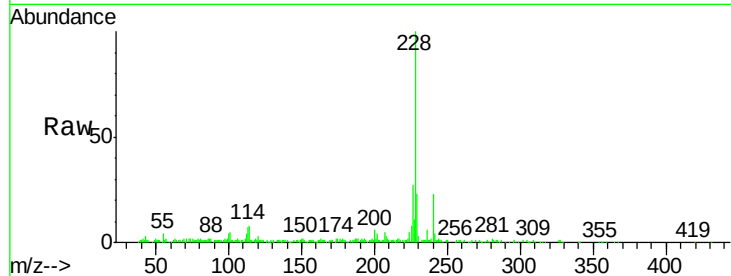
Tgt Ion:228 Resp: 67934

Ion Ratio Lower Upper

228 100

226 26.9 21.0 31.6

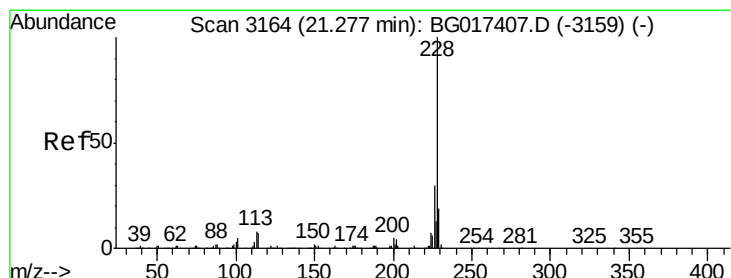
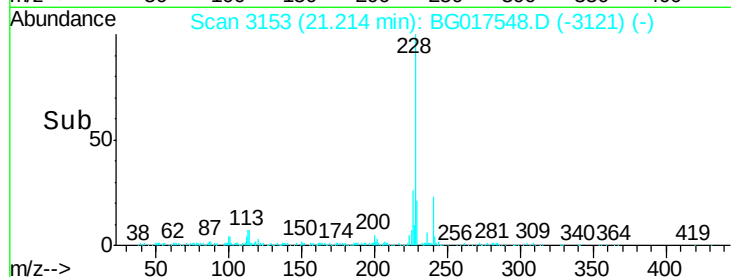
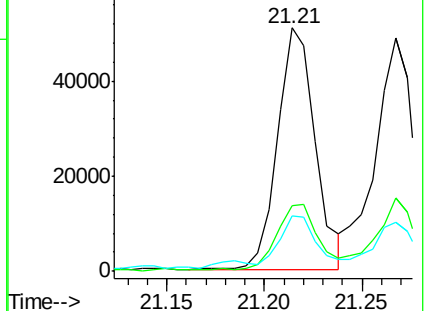
229 23.0 15.7 23.5



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: 9.32 ng

RT: 21.27 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

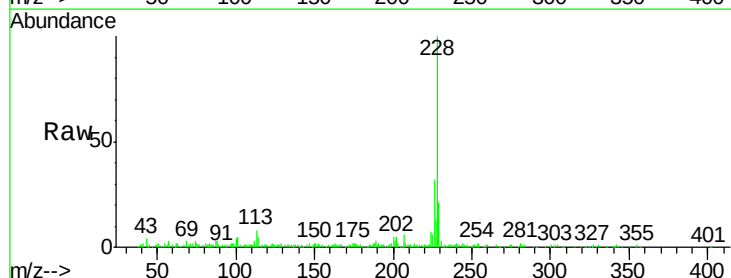
Tgt Ion:228 Resp: 67898

Ion Ratio Lower Upper

228 100

226 31.5 23.7 35.5

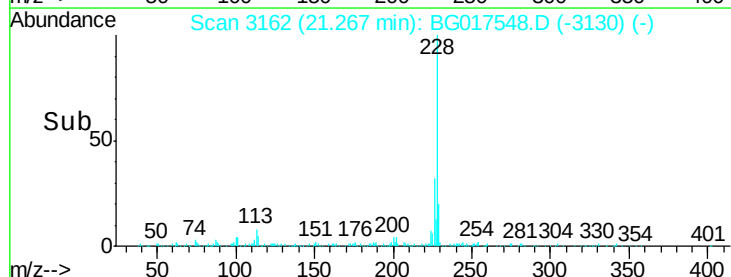
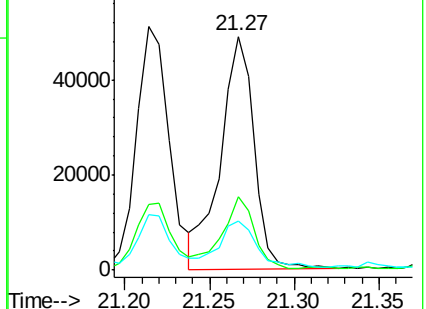
229 20.8 15.2 22.8

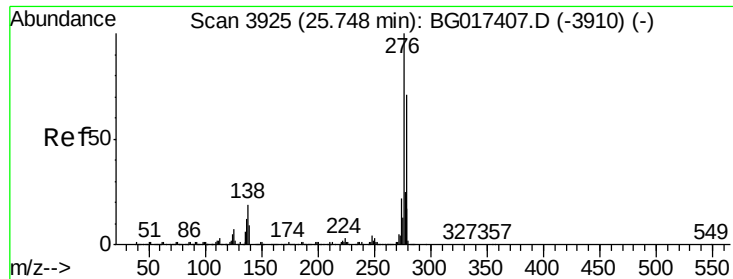


Abundance Ion 228.00 (227.70 to 228.70): E

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: 3.01 ng

RT: 25.74 min Scan# 3923

Delta R.T. -0.03 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Instrument :

BNA_G

ClientSampleId :

DUSO-005

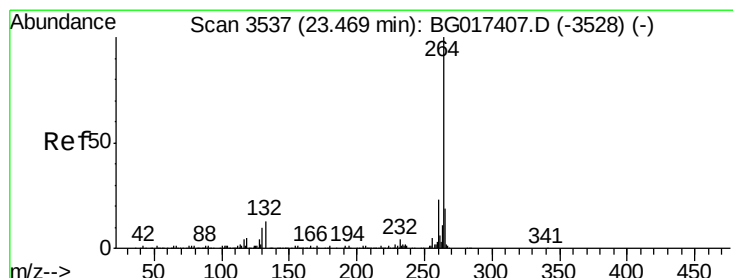
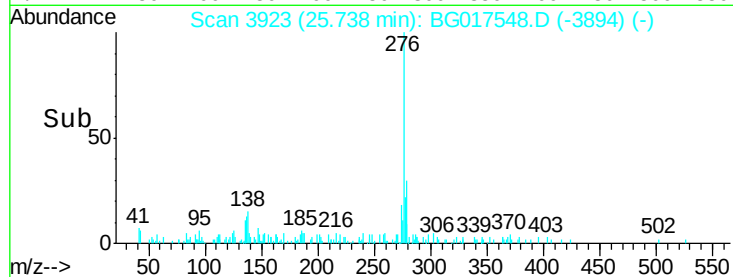
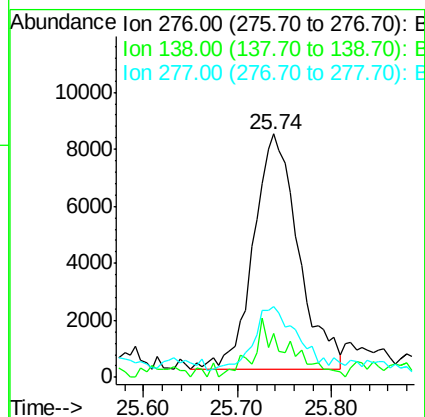
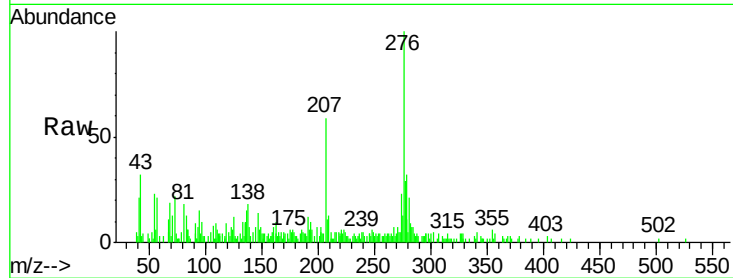
Tgt Ion:276 Resp: 27535

Ion Ratio Lower Upper

276 100

138 10.2 15.4 23.0#

277 24.4 20.5 30.7



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.46 min Scan# 3536

Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

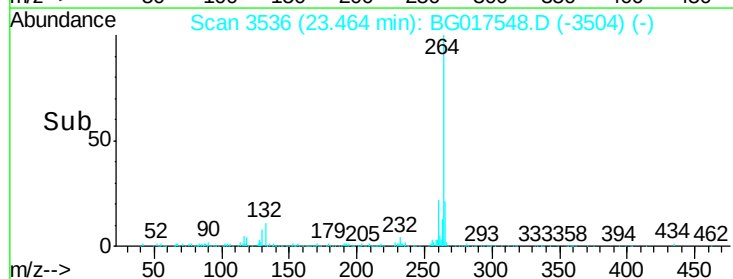
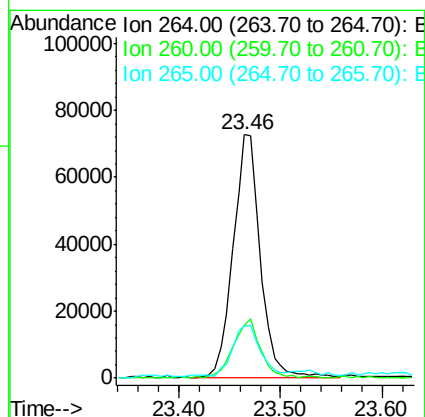
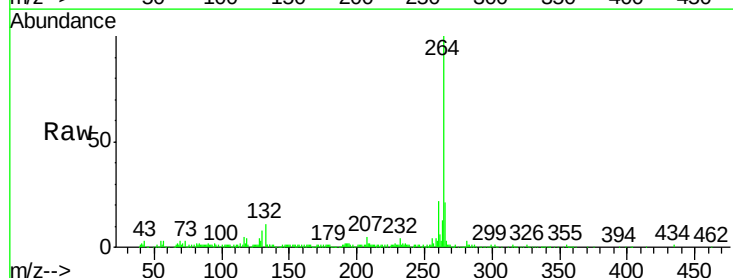
Tgt Ion:264 Resp: 133238

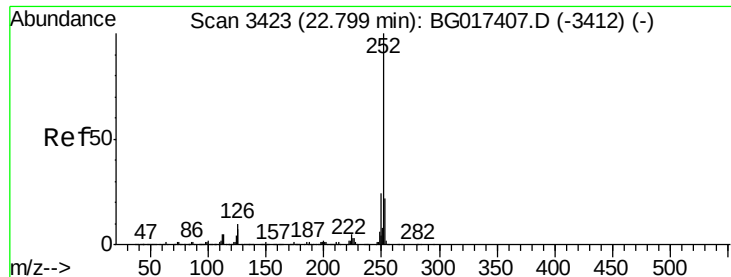
Ion Ratio Lower Upper

264 100

260 21.8 18.2 27.4

265 21.4 15.8 23.6





#87

Benzo(b)fluoranthene

Concen: 9.94 ng

RT: 22.80 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

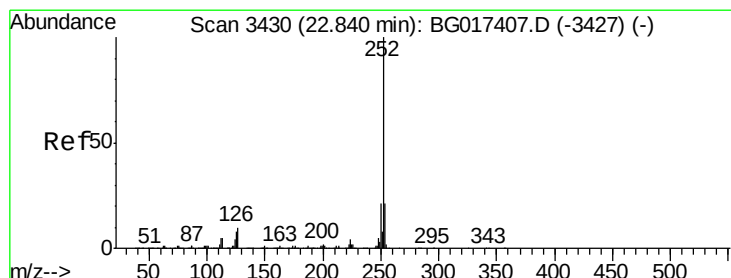
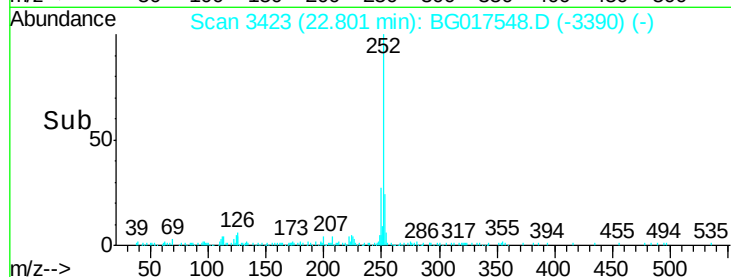
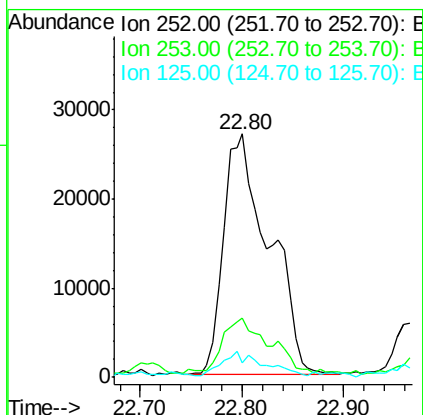
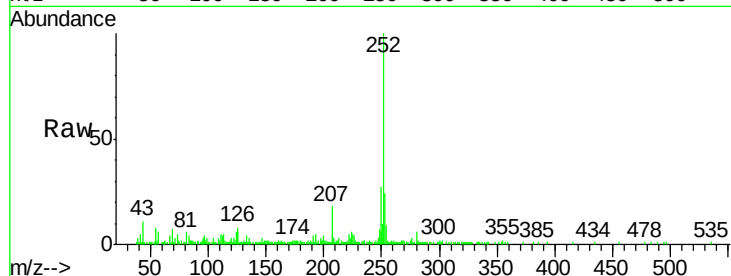
Instrument :

BNA_G

ClientSampleId :

DUSO-005

Tgt Ion:	252	Resp:	83920
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.2
125	5.7	5.8	8.8#



#88

Benzo(k)fluoranthene

Concen: 10.39 ng

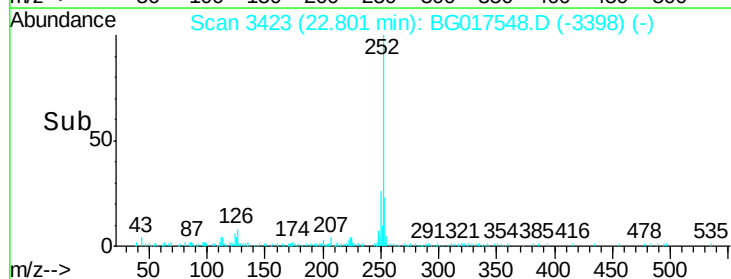
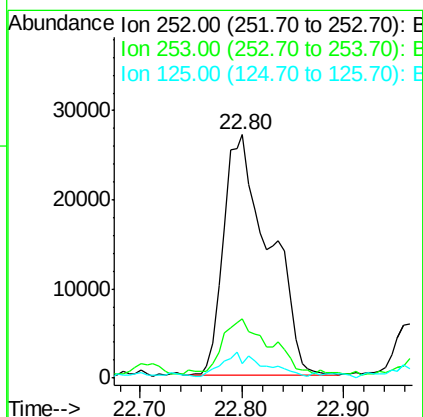
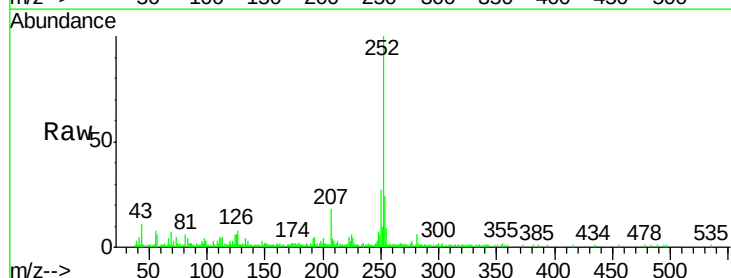
RT: 22.80 min Scan# 3423

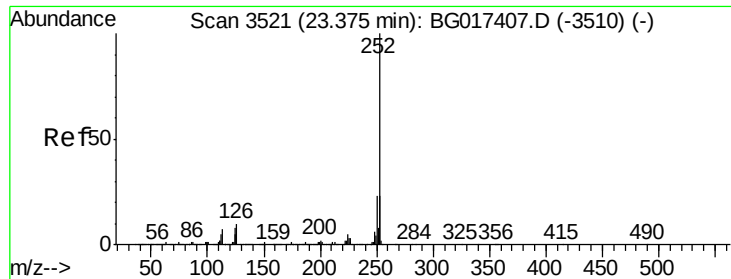
Delta R.T. -0.05 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Tgt Ion:	252	Resp:	83920
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	5.7	6.5	9.7#





#89

Benzo(a)pyrene

Concen: 7.39 ng

RT: 23.37 min Scan# 3520

Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Instrument :

BNA_G

ClientSampleId :

DUSO-005

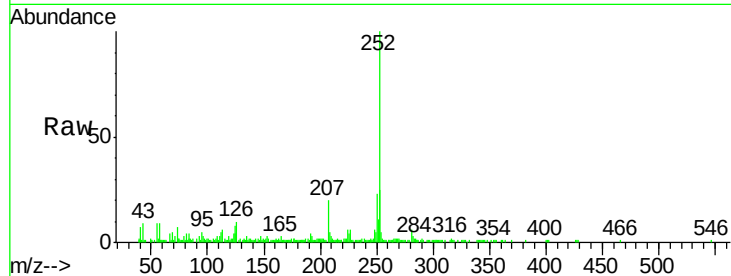
Tgt Ion:252 Resp: 57251

Ion Ratio Lower Upper

252 100

253 25.1 18.1 27.1

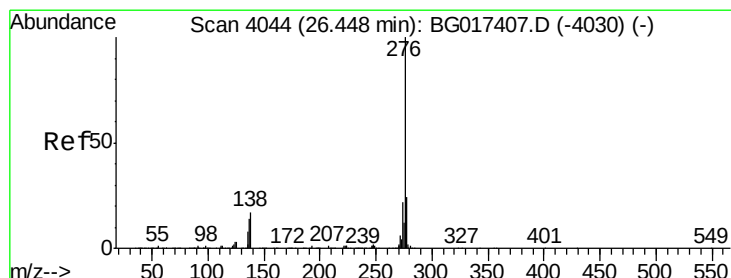
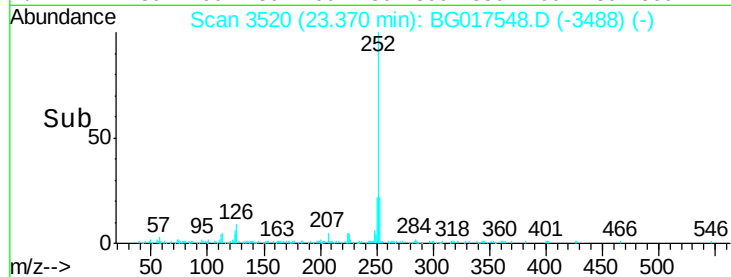
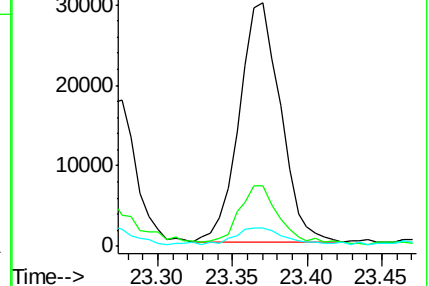
125 7.7 6.5 9.7



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



#91

Benzo(g,h,i)perylene

Concen: 3.07 ng

RT: 26.44 min Scan# 4043

Delta R.T. -0.03 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

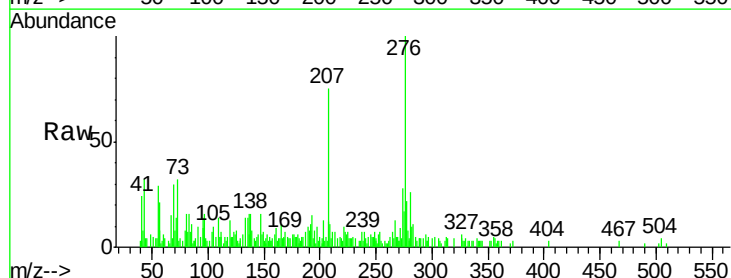
Tgt Ion:276 Resp: 23496

Ion Ratio Lower Upper

276 100

277 21.8 19.2 28.8

138 16.3 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

