

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017547.D
 Acq On : 8 Jun 2015 17:29
 Operator : TP/IZ
 Sample : G2555-06 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

Quant Time: Jun 09 02:16:13 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	20538	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	88434	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	57597	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	113548	20.00	ng	0.00
75) Chrysene-d12	21.23	240	130036	20.00	ng	0.00
86) Perylene-d12	23.47	264	127598	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	39297	33.71	ng	0.00
7) Phenol-d6	6.82	99	51442	32.39	ng	0.00
23) Nitrobenzene-d5	8.77	82	39734	22.43	ng	0.00
41) 2,4,6-Tribromophenol	15.78	330	20866	26.08	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	85719	22.45	ng	0.00
78) Terphenyl-d14	19.68	244	117432	18.66	ng	0.00

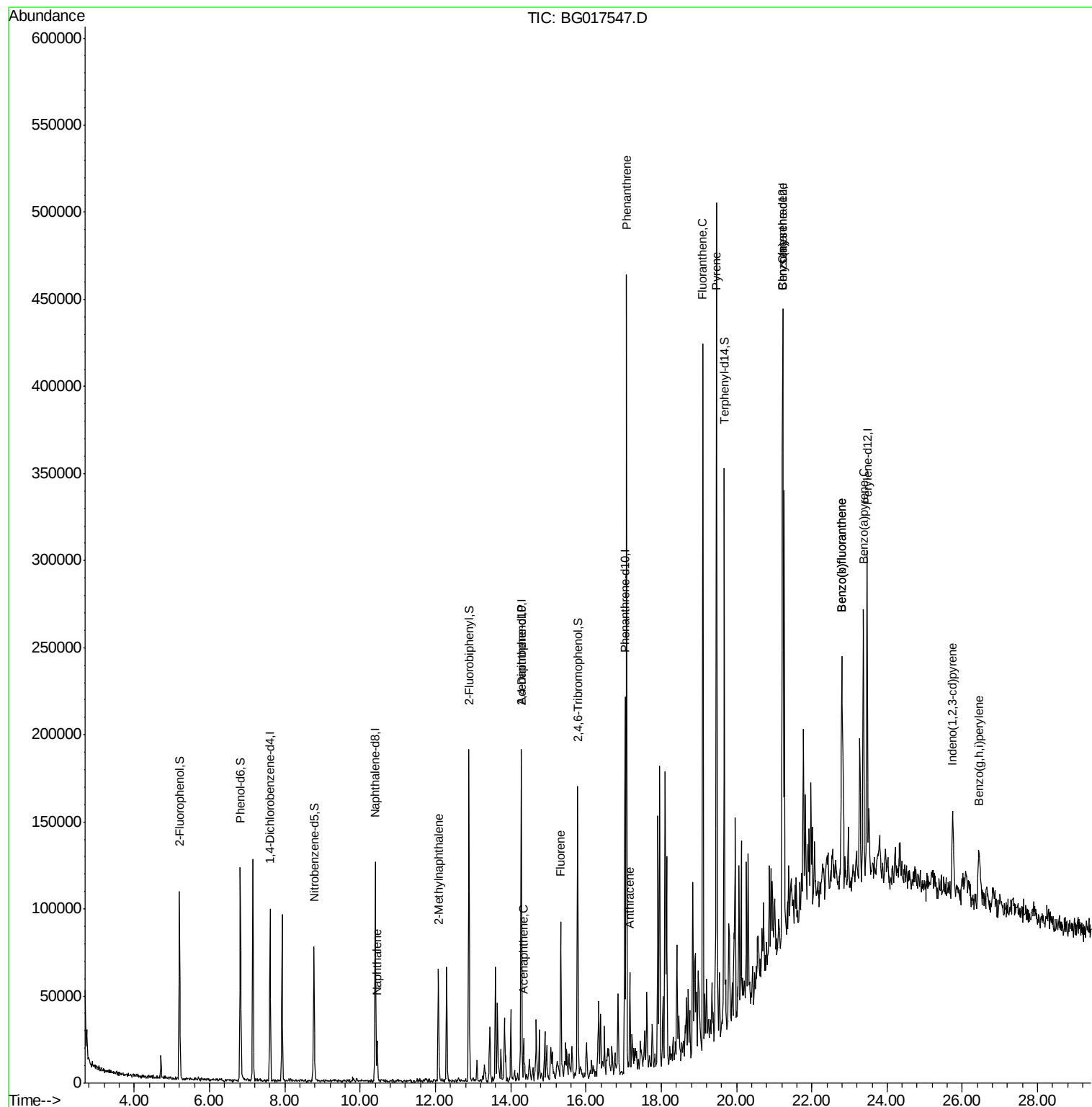
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.45	128	15733	3.41	ng	# 93
37) 2-Methylnaphthalene	12.08	142	26799	7.55	ng	92
51) Acenaphthene	14.35	154	7729	2.11	ng	95
53) 2,4-Dinitrophenol	14.28	184	60	7.10	ng	# 41
57) Fluorene	15.33	166	32233	6.59	ng	# 94
70) Phenanthrene	17.08	178	230563	36.42	ng	99
71) Anthracene	17.17	178	29318	4.64	ng	96
74) Fluoranthene	19.11	202	198974	24.03	ng	99
77) Pyrene	19.47	202	275149	34.35	ng	99
80) Benzo(a)anthracene	21.22	228	121326	15.17	ng	100
82) Chrysene	21.22	228	121326	16.75	ng	96
85) Indeno(1,2,3-cd)pyrene	25.74	276	46391	5.10	ng	# 86
87) Benzo(b)fluoranthene	22.80	252	144174	17.83	ng	# 90
88) Benzo(k)fluoranthene	22.80	252	144174	18.63	ng	# 91
89) Benzo(a)pyrene	23.37	252	100754	13.59	ng	98
91) Benzo(g,h,i)perylene	26.44	276	44804	6.11	ng	96

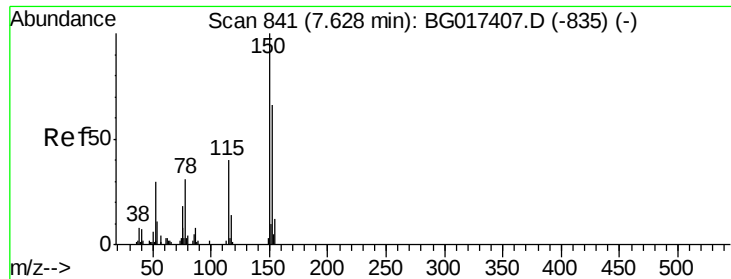
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_G
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Quant Time: Jun 09 02:16:13 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



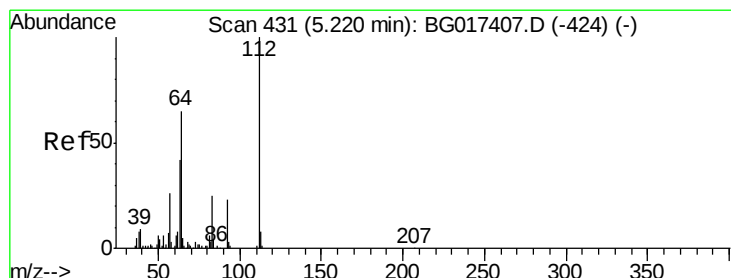
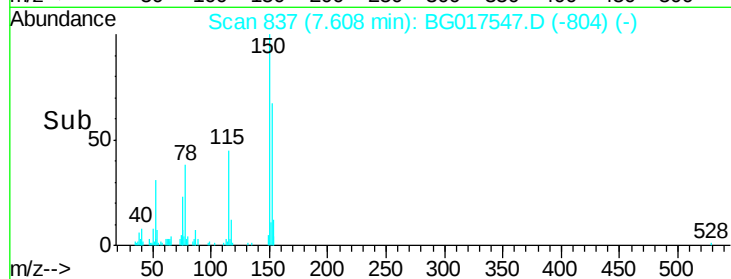
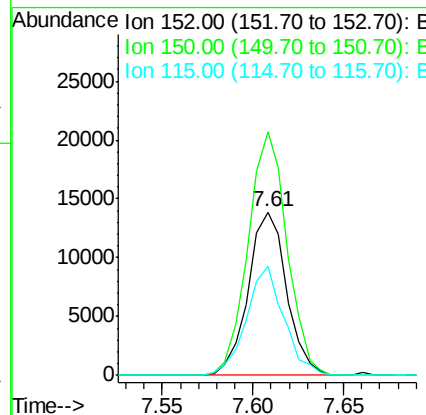
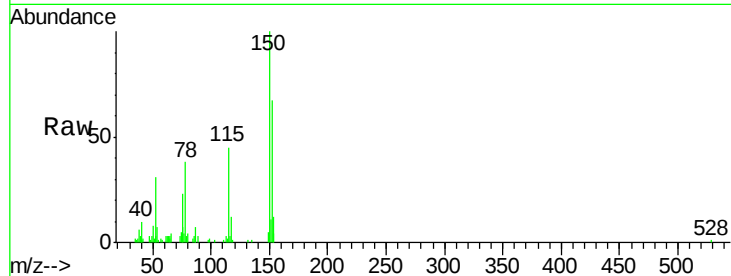


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG017547.D
Acq: 8 Jun 2015 17:29

Instrument :
BNA_G
ClientSampleId :
DUSO-006

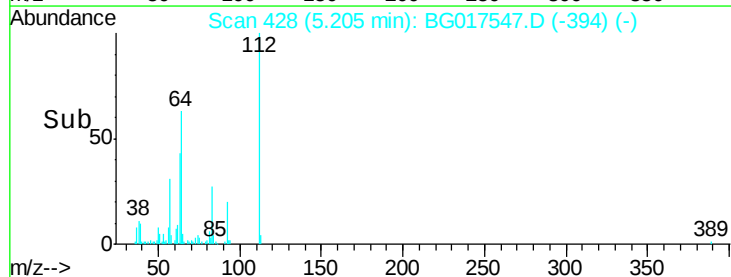
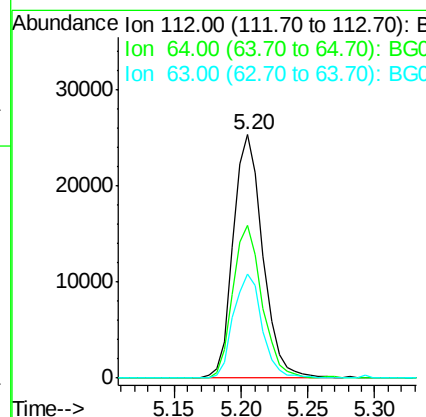
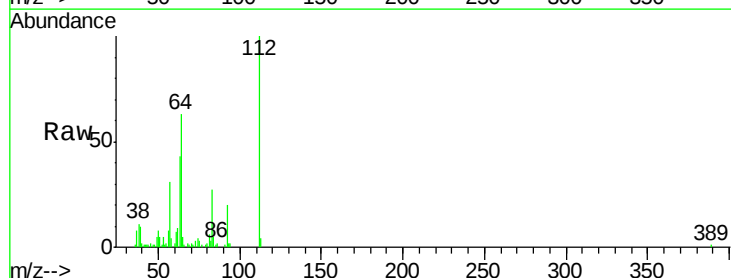
Tgt Ion:152 Resp: 20538
Ion Ratio Lower Upper
152 100
150 149.1 121.7 182.5
115 66.6 48.6 73.0

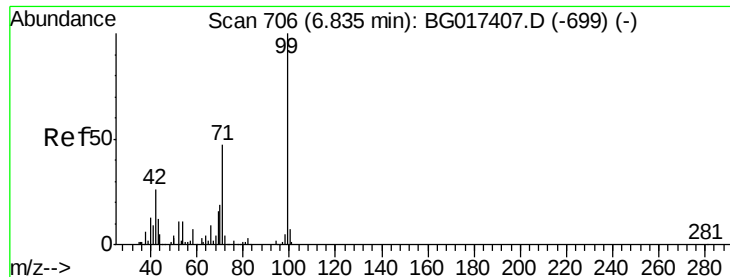


#5

2-Fluorophenol
Concen: 33.71 ng
RT: 5.20 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG017547.D
Acq: 8 Jun 2015 17:29

Tgt Ion:112 Resp: 39297
Ion Ratio Lower Upper
112 100
64 62.9 51.6 77.4
63 42.8 33.3 49.9





#7

Phenol-d6

Concen: 32.39 ng

RT: 6.82 min Scan# 703

Delta R.T. 0.00 min

Lab File: BG017547.D

Acq: 8 Jun 2015 17:29

Instrument :

BNA_G

ClientSampleId :

DUSO-006

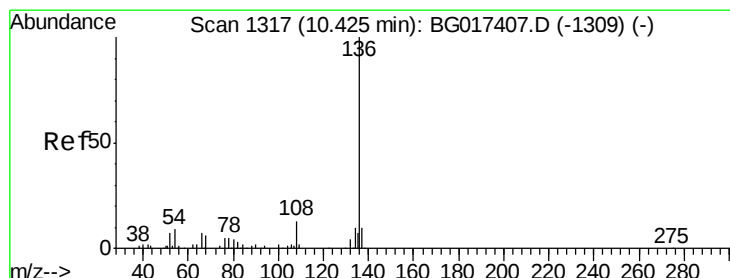
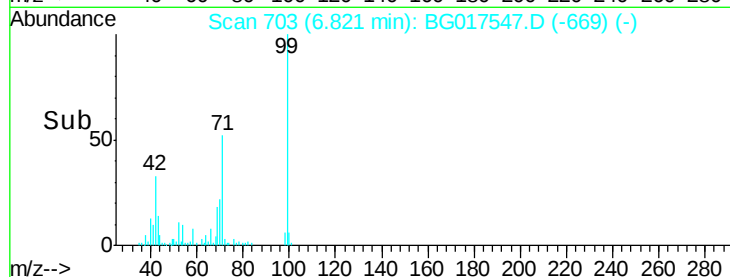
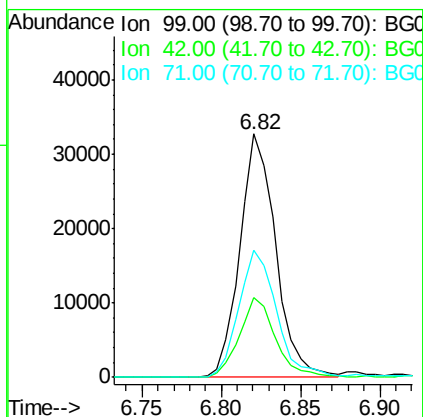
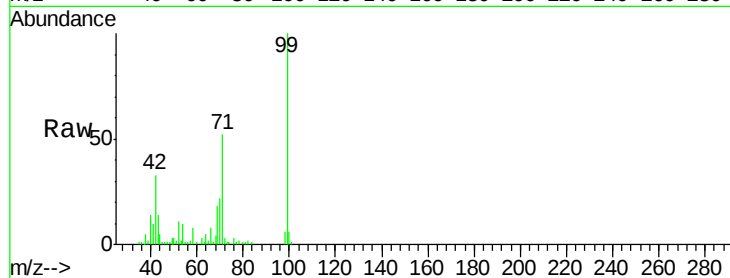
Tgt Ion: 99 Resp: 51442

Ion Ratio Lower Upper

99 100

42 32.6 21.0 31.6#

71 52.2 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: BG017547.D

Acq: 8 Jun 2015 17:29

Tgt Ion: 136 Resp: 88434

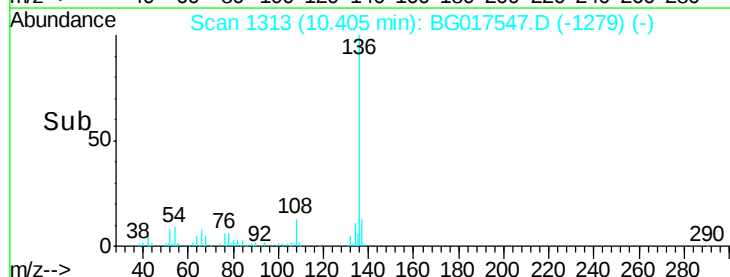
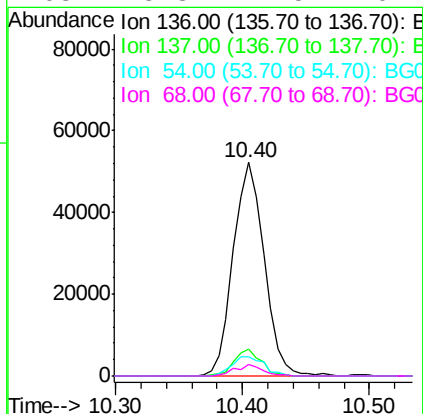
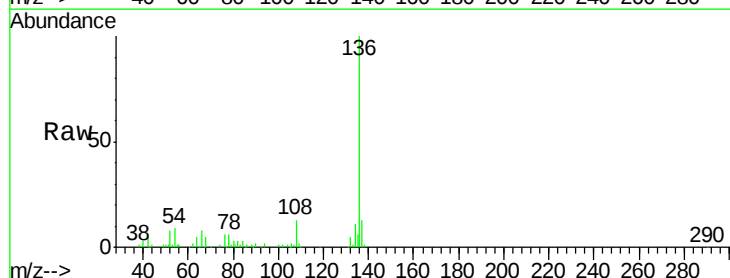
Ion Ratio Lower Upper

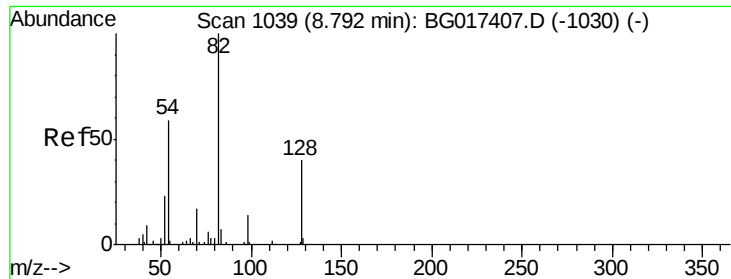
136 100

137 12.7 7.9 11.9#

54 8.7 7.2 10.8

68 5.3 4.5 6.7

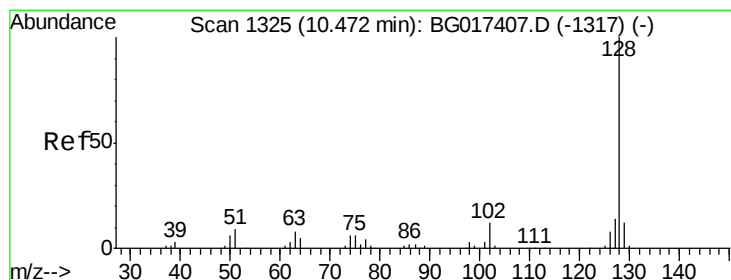
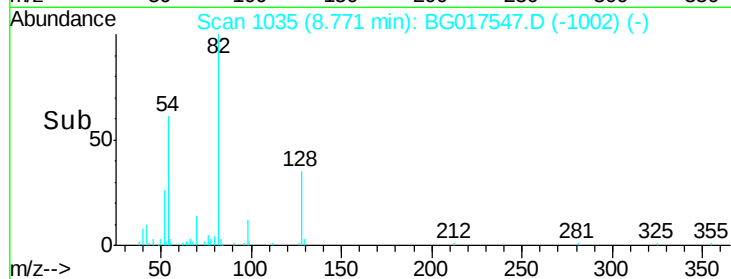
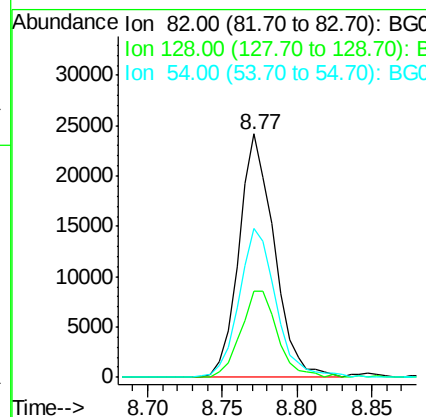
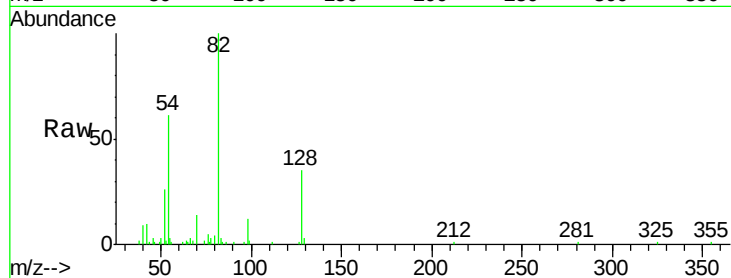




#23
 Nitrobenzene-d5
 Concen: 22.43 ng
 RT: 8.77 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

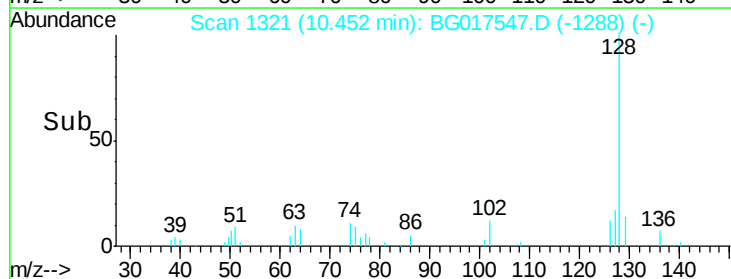
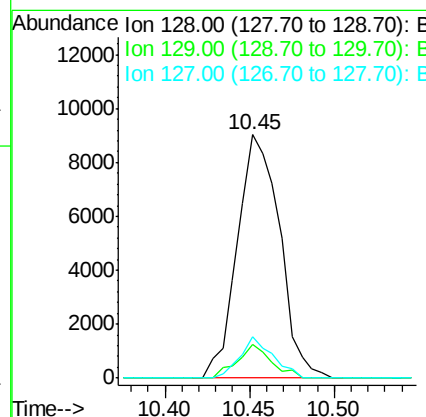
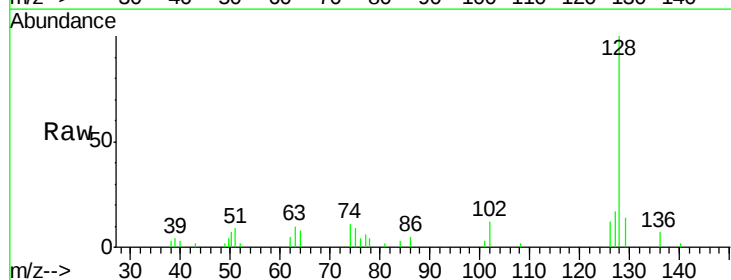
Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

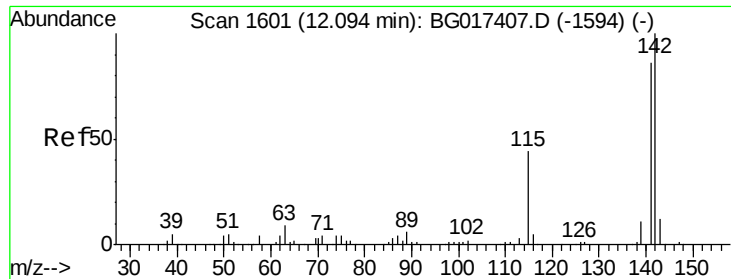
Tgt Ion: 82 Resp: 39734
 Ion Ratio Lower Upper
 82 100
 128 35.4 32.2 48.4
 54 60.9 47.4 71.2



#31
 Naphthalene
 Concen: 3.41 ng
 RT: 10.45 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

Tgt Ion: 128 Resp: 15733
 Ion Ratio Lower Upper
 128 100
 129 14.0 9.2 13.8#
 127 16.9 10.9 16.3#

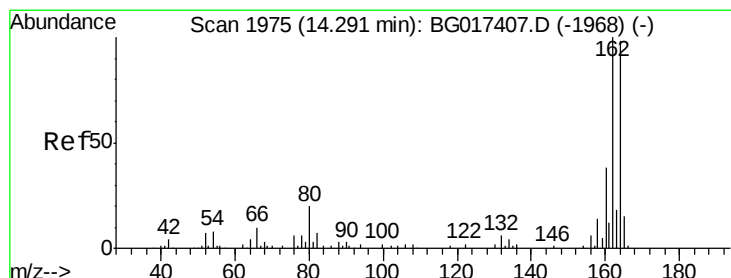
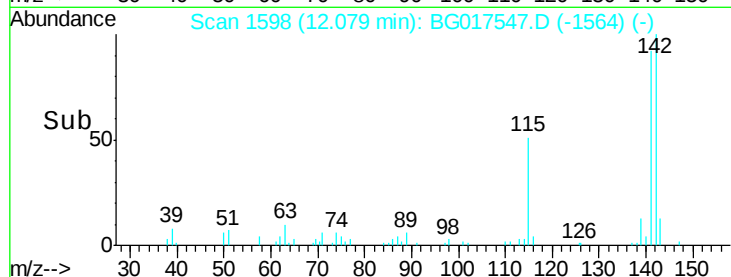
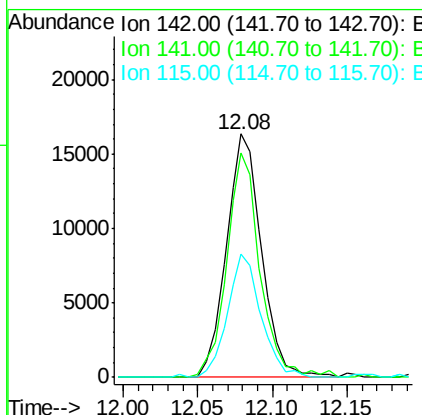
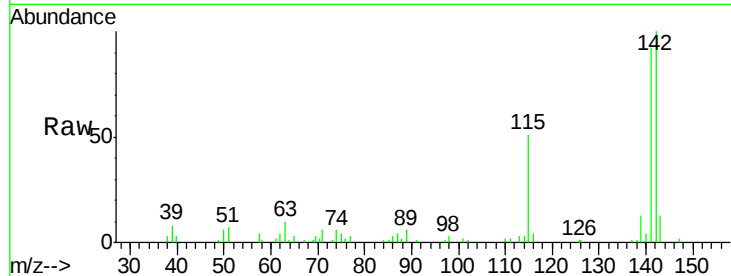




#37
 2-Methylnaphthalene
 Concen: 7.55 ng
 RT: 12.08 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

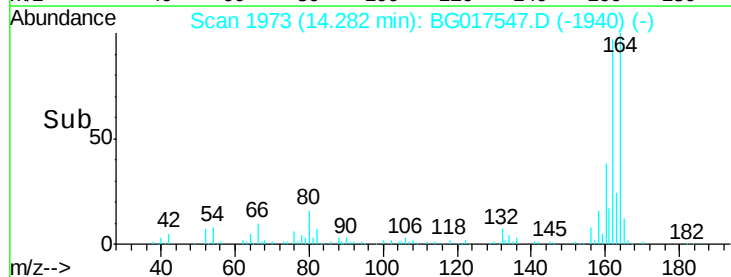
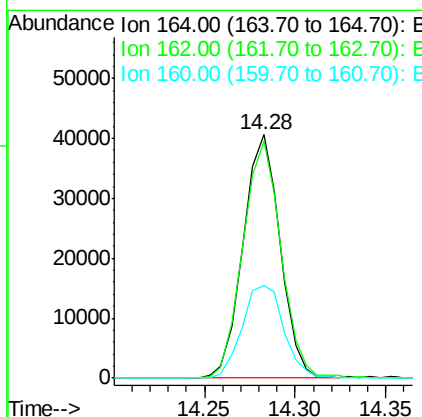
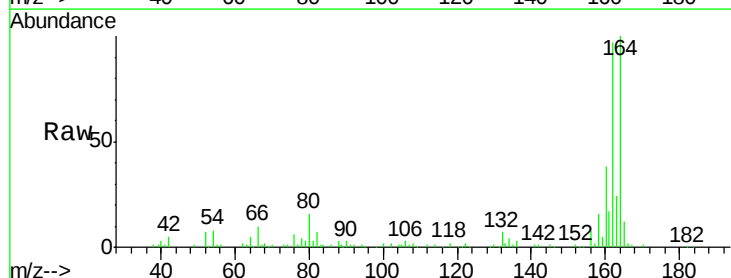
Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

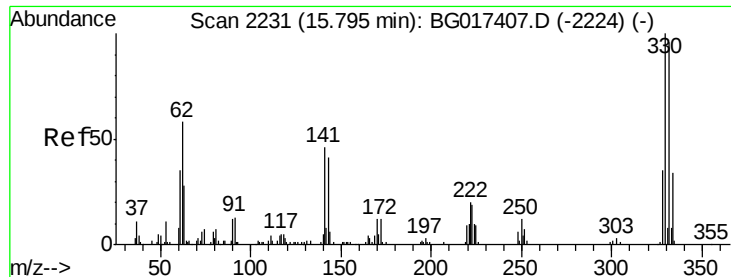
Tgt Ion:142 Resp: 26799
 Ion Ratio Lower Upper
 142 100
 141 92.2 68.6 102.8
 115 50.6 35.3 52.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.28 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

Tgt Ion:164 Resp: 57597
 Ion Ratio Lower Upper
 164 100
 162 97.3 81.8 122.6
 160 37.9 31.0 46.4

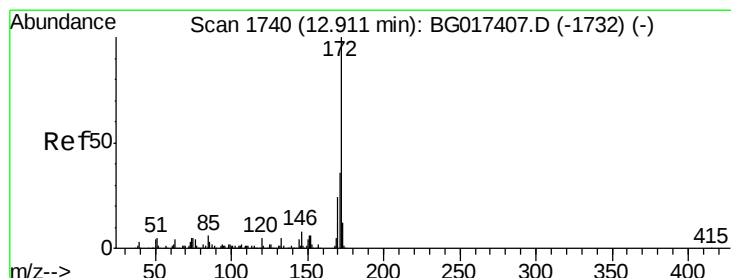
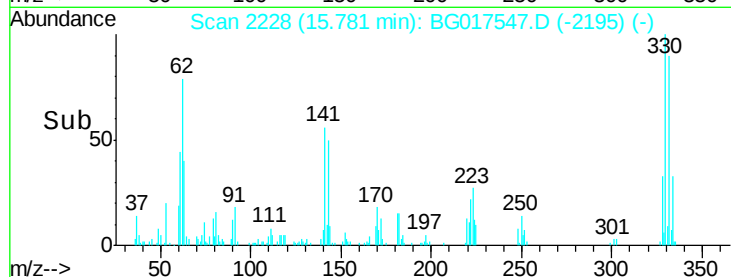
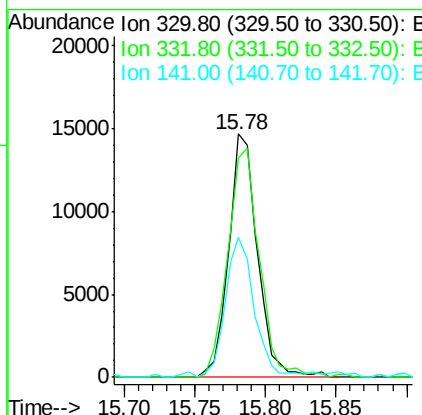
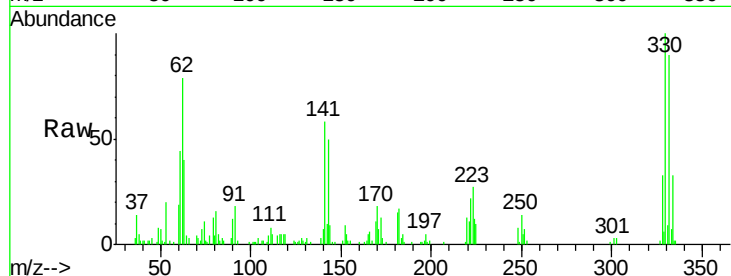




#41
 2,4,6-Tribromophenol
 Concen: 26.08 ng
 RT: 15.78 min Scan# 2228
 Delta R.T. -0.00 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

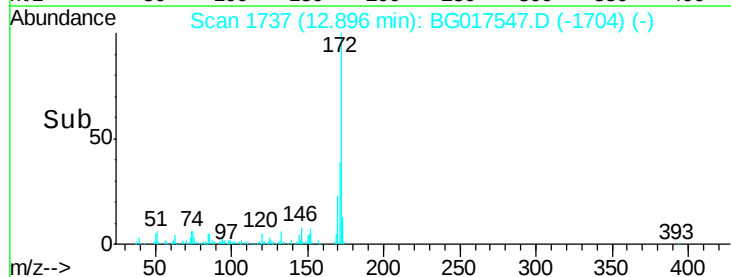
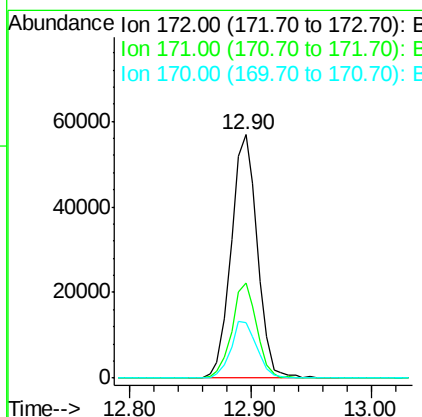
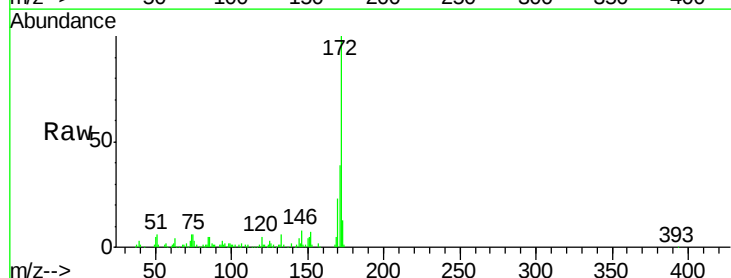
Instrument :
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 ClientSampleId :
 DUSO-006

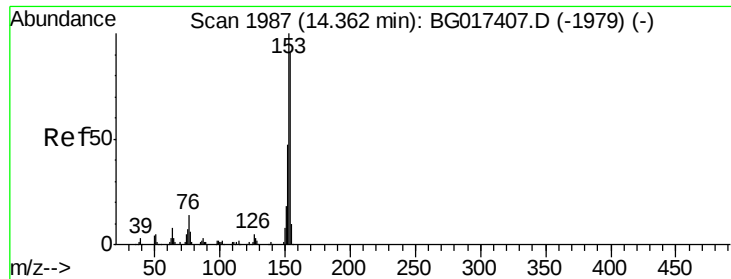
Tgt Ion:330 Resp: 20866
 Ion Ratio Lower Upper
 330 100
 332 103.3 75.9 113.9
 141 58.5 40.2 60.4



#44
 2-Fluorobiphenyl
 Concen: 22.45 ng
 RT: 12.90 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

Tgt Ion:172 Resp: 85719
 Ion Ratio Lower Upper
 172 100
 171 38.8 29.0 43.6
 170 22.9 18.9 28.3





#51

Acenaphthene

Concen: 2.11 ng

RT: 14.35 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG017547.D

Acq: 8 Jun 2015 17:29

Instrument :

BNA_G

ClientSampleId :

DUSO-006

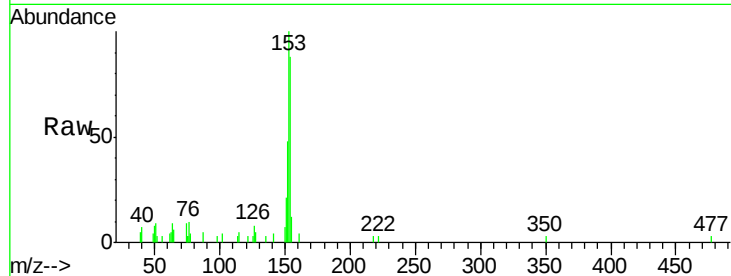
Tgt Ion:154 Resp: 7729

Ion Ratio Lower Upper

154 100

153 113.9 87.7 131.5

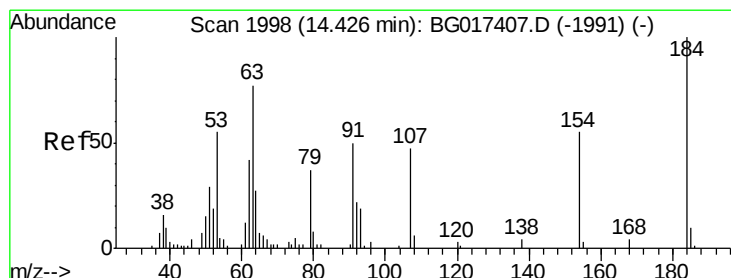
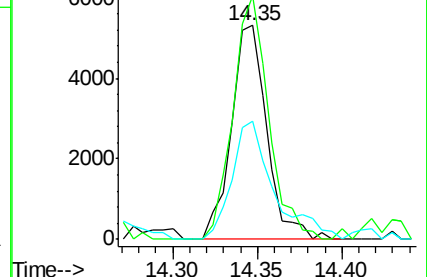
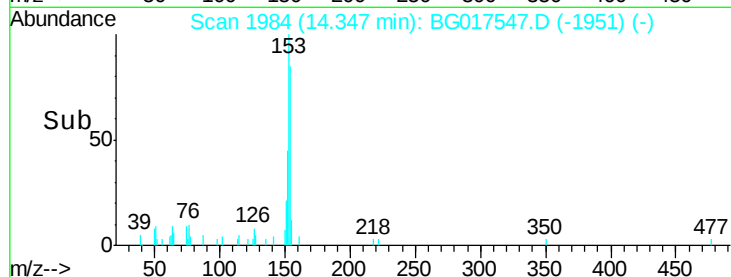
152 55.0 40.8 61.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 7.10 ng

RT: 14.28 min Scan# 1973

Delta R.T. -0.14 min

Lab File: BG017547.D

Acq: 8 Jun 2015 17:29

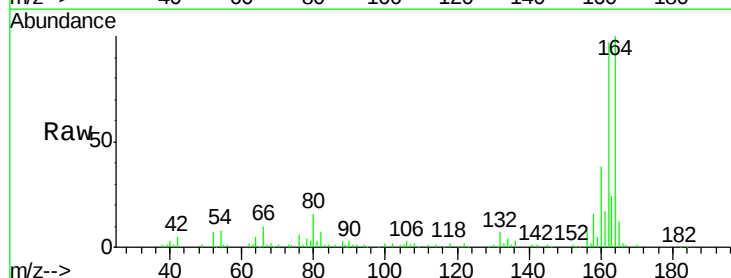
Tgt Ion:184 Resp: 60

Ion Ratio Lower Upper

184 100

63 144.7 61.5 92.3#

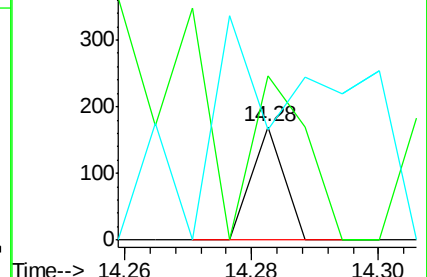
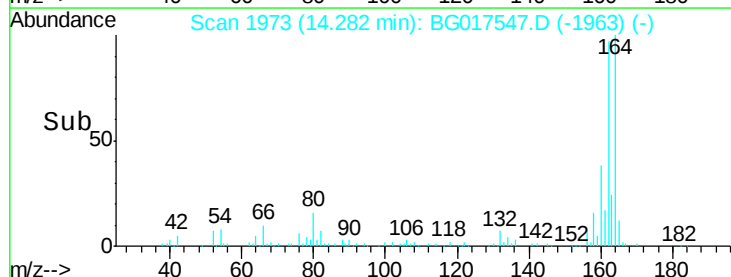
154 97.1 53.8 80.8#

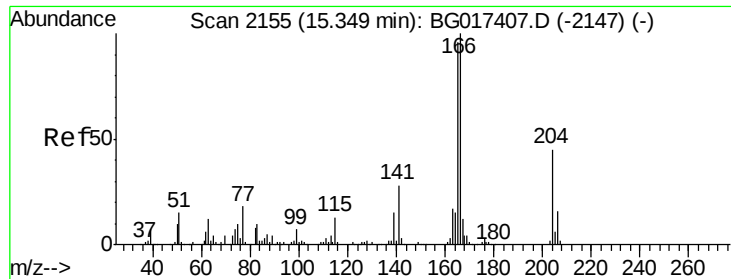


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

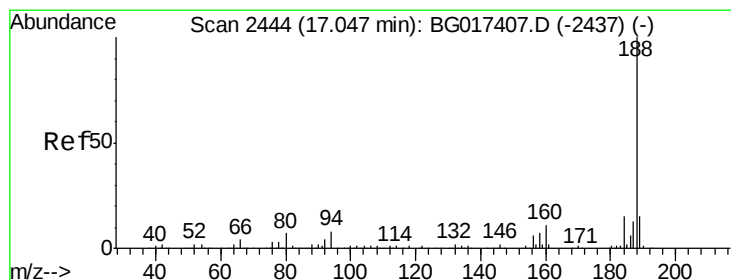
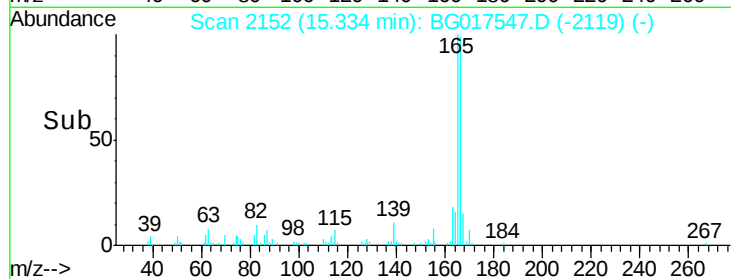
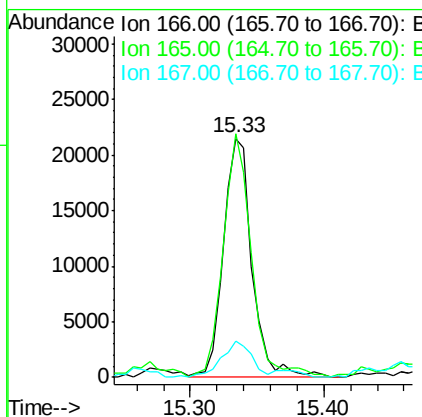
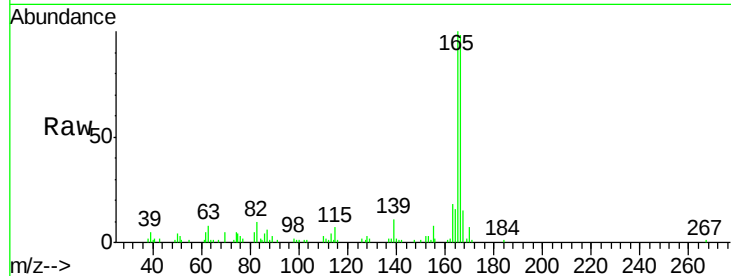




#57
Fluorene
 Concen: 6.59 ng
 RT: 15.33 min Scan# 2152
 Delta R.T. -0.00 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

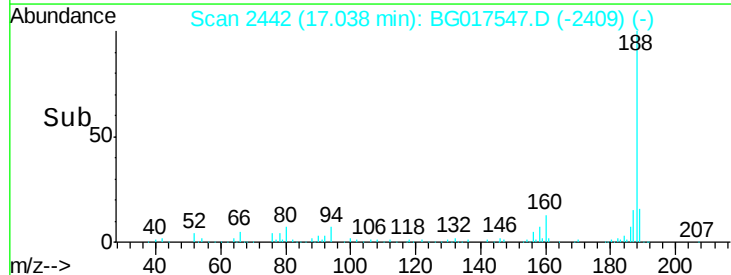
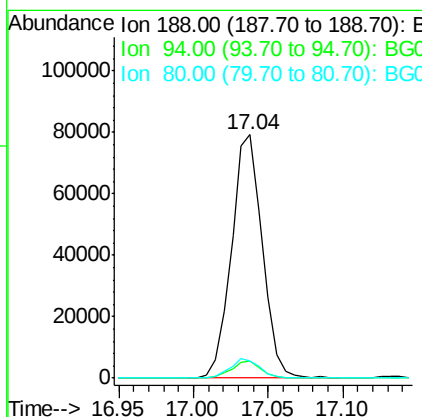
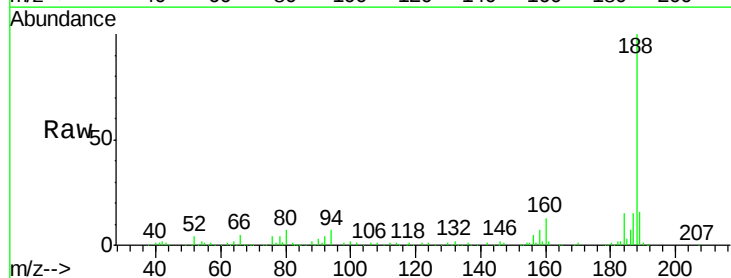
Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

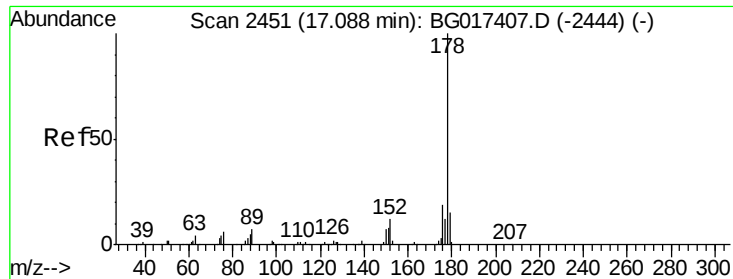
Tgt Ion:166 Resp: 32233
 Ion Ratio Lower Upper
 166 100
 165 102.0 76.8 115.2
 167 15.4 9.9 14.9#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.04 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

Tgt Ion:188 Resp: 113548
 Ion Ratio Lower Upper
 188 100
 94 6.9 6.3 9.5
 80 6.9 5.2 7.8

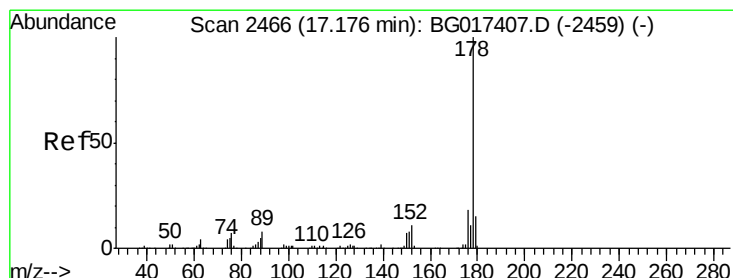
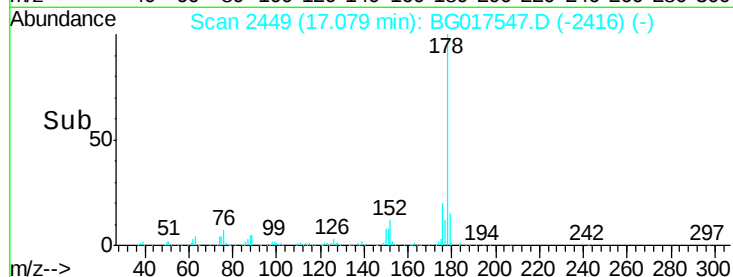
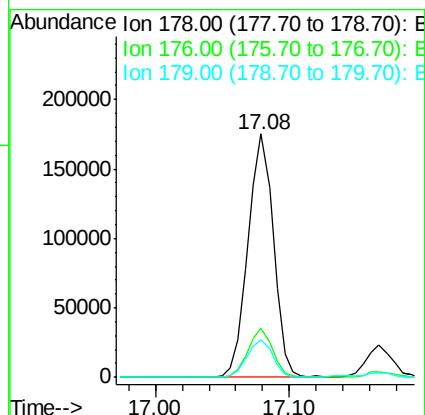
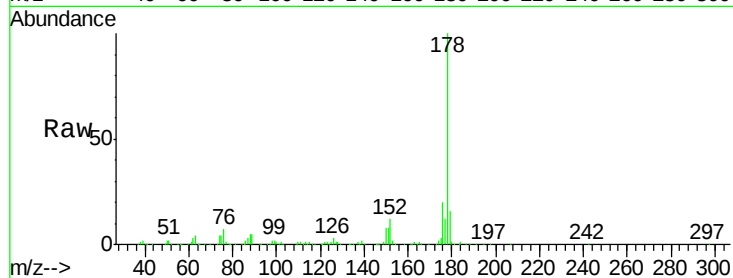




#70
Phenanthrene
Concen: 36.42 ng
RT: 17.08 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BG017547.D
Acq: 8 Jun 2015 17:29

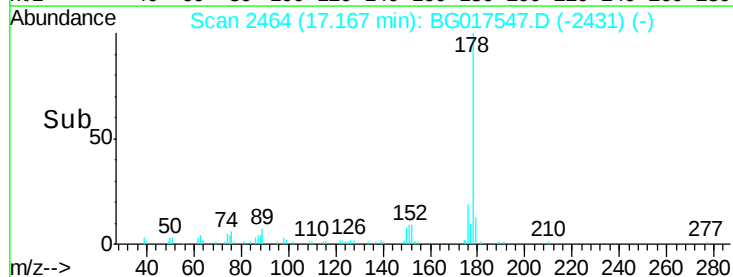
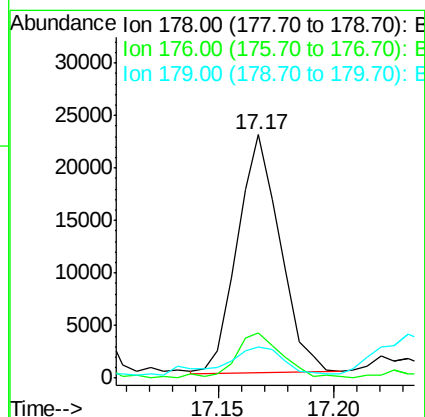
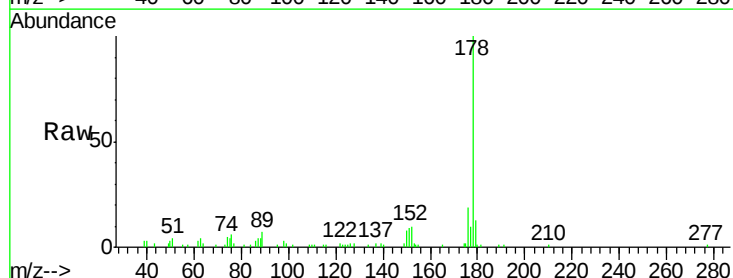
Instrument :
BNA_G
ClientSampleId :
DUSO-006

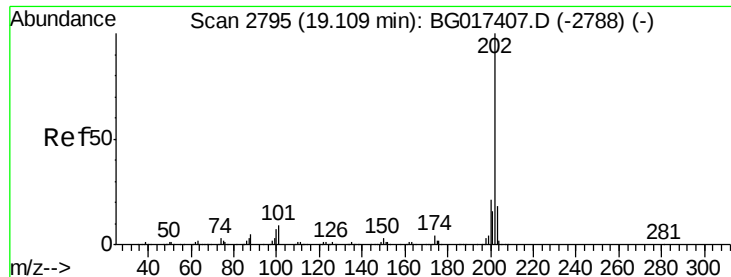
Tgt Ion:178 Resp: 230563
Ion Ratio Lower Upper
178 100
176 20.2 15.6 23.4
179 15.5 12.2 18.2



#71
Anthracene
Concen: 4.64 ng
RT: 17.17 min Scan# 2464
Delta R.T. -0.00 min
Lab File: BG017547.D
Acq: 8 Jun 2015 17:29

Tgt Ion:178 Resp: 29318
Ion Ratio Lower Upper
178 100
176 18.8 14.2 21.2
179 13.0 12.2 18.4





#74

Fluoranthene

Concen: 24.03 ng

RT: 19.11 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BG017547.D

Acq: 8 Jun 2015 17:29

Instrument :

BNA_G

ClientSampleId :

DUSO-006

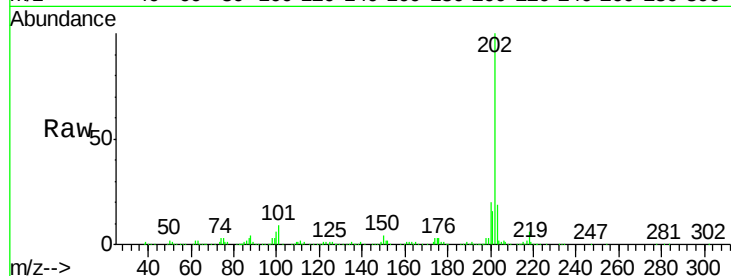
Tgt Ion:202 Resp: 198974

Ion Ratio Lower Upper

202 100

101 8.7 0.0 28.8

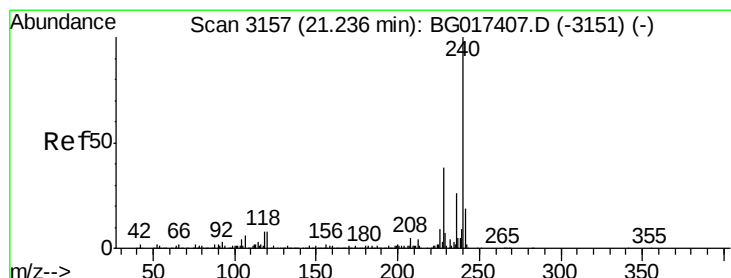
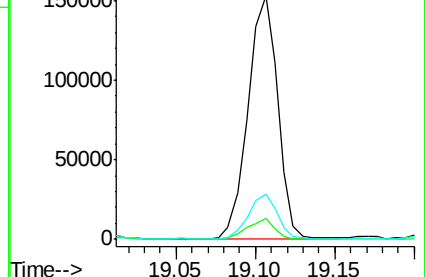
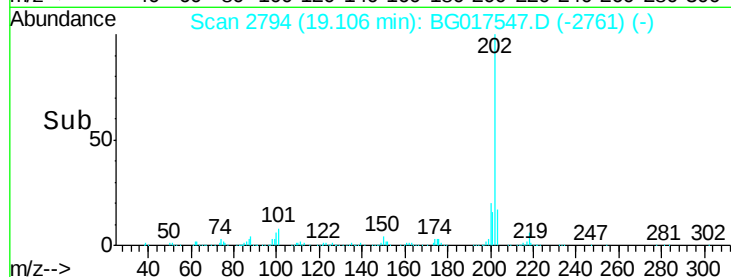
203 18.5 0.0 37.6



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: 21.23 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG017547.D

Acq: 8 Jun 2015 17:29

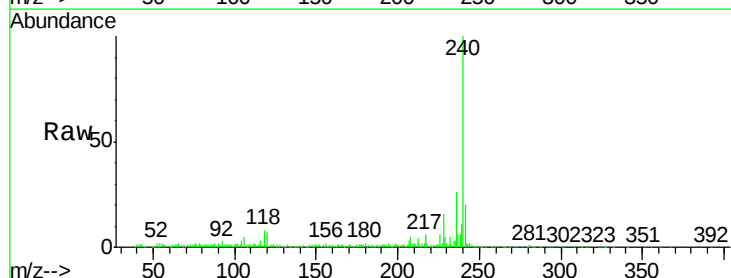
Tgt Ion:240 Resp: 130036

Ion Ratio Lower Upper

240 100

120 6.8 6.5 9.7

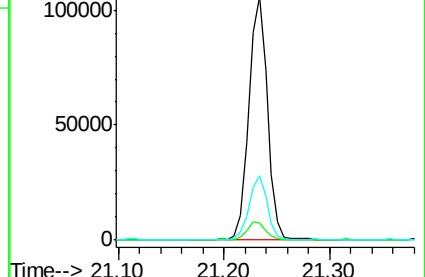
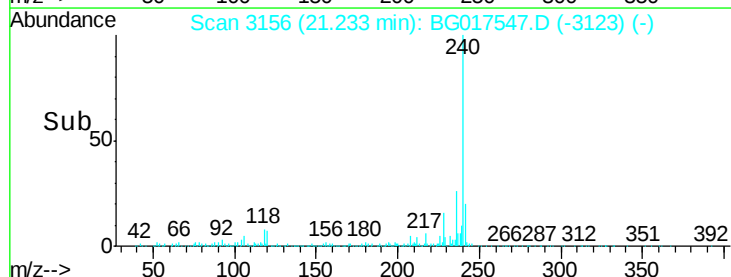
236 26.3 20.8 31.2

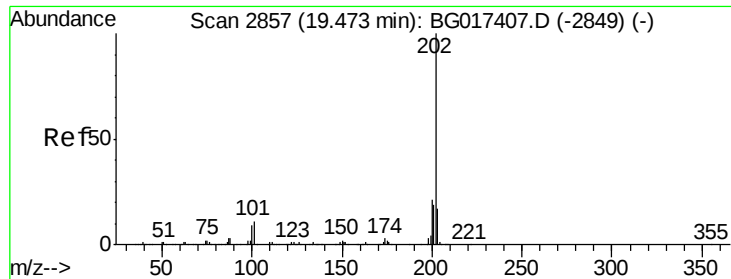


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

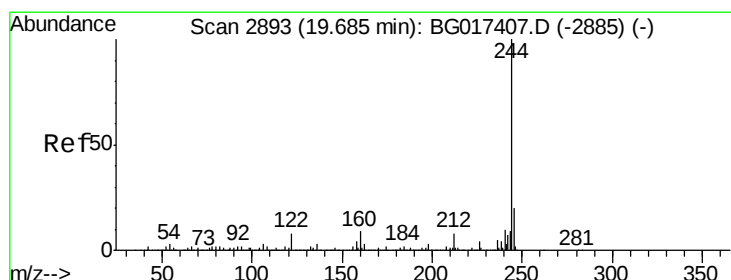
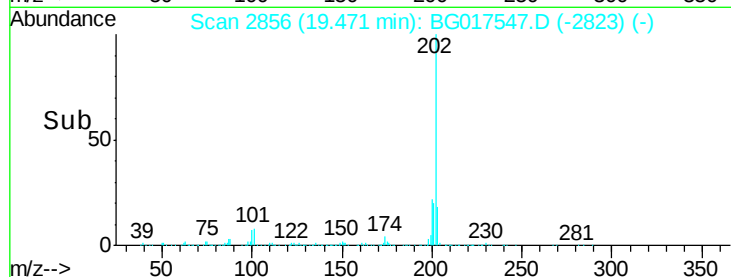
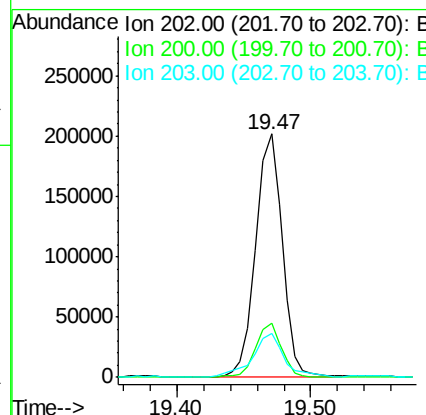
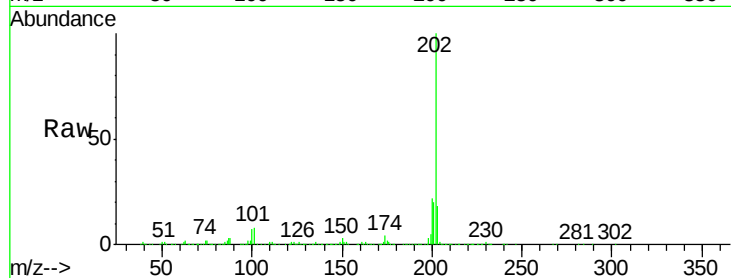




#77
 Pyrene
 Concen: 34.35 ng
 RT: 19.47 min Scan# 2856
 Delta R.T. -0.00 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

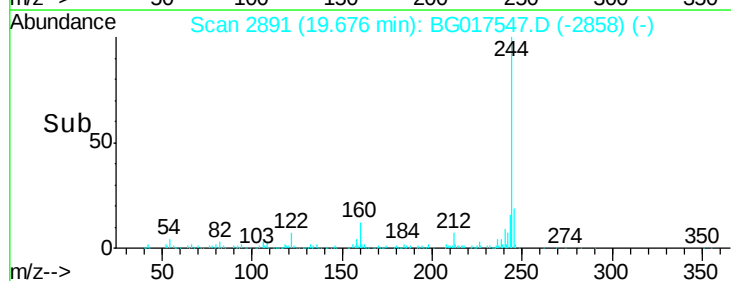
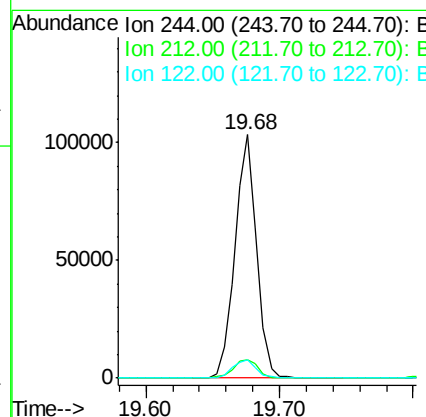
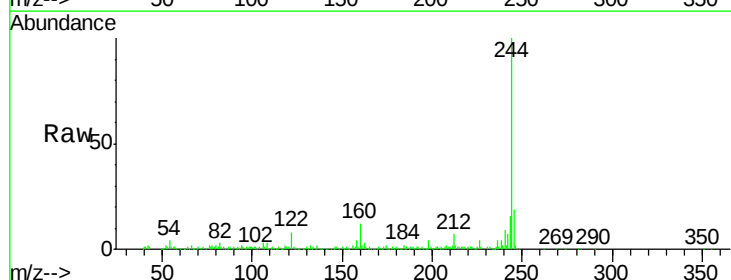
Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

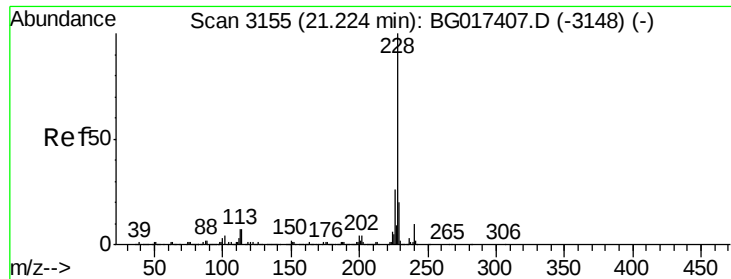
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.0	25.4
203	17.9	13.9	20.9



#78
 Terphenyl-d14
 Concen: 18.66 ng
 RT: 19.68 min Scan# 2891
 Delta R.T. -0.00 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.4	9.6
122	7.7	6.6	10.0





#80

Benzo(a)anthracene

Concen: 15.17 ng

RT: 21.22 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG017547.D

Acq: 8 Jun 2015 17:29

Instrument :

BNA_G

ClientSampleId :

DUSO-006

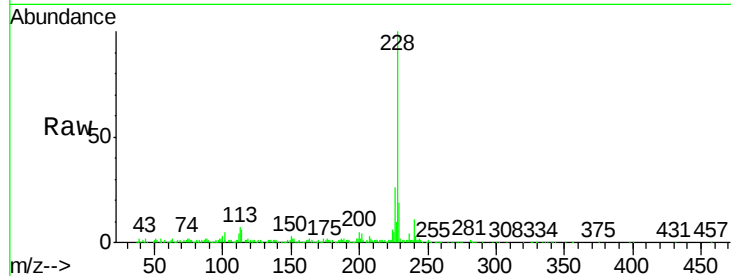
Tgt Ion:228 Resp: 121326

Ion Ratio Lower Upper

228 100

226 26.5 21.0 31.6

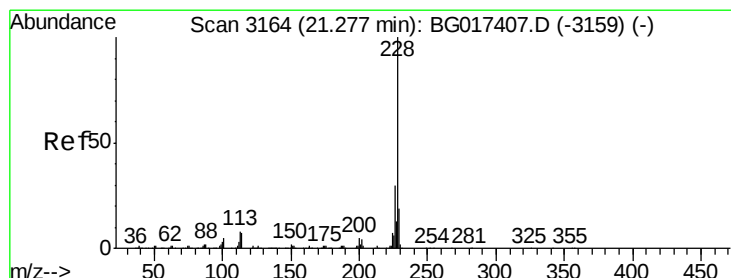
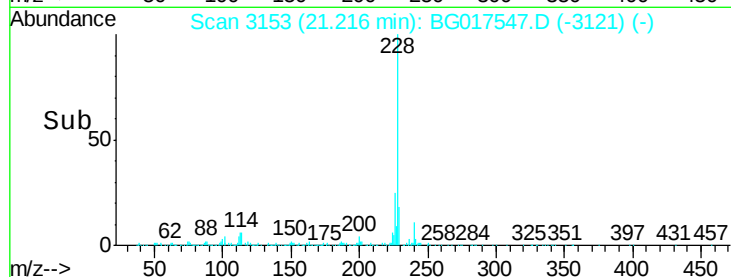
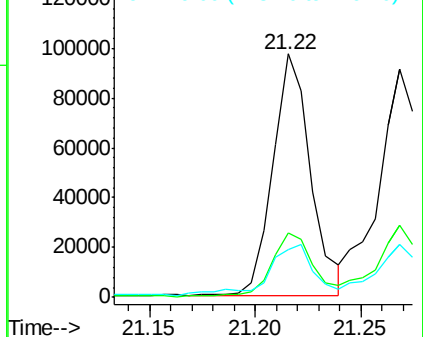
229 19.4 15.7 23.5



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: 16.75 ng

RT: 21.22 min Scan# 3153

Delta R.T. -0.06 min

Lab File: BG017547.D

Acq: 8 Jun 2015 17:29

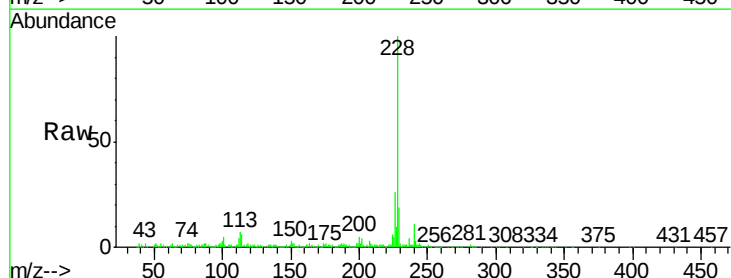
Tgt Ion:228 Resp: 121326

Ion Ratio Lower Upper

228 100

226 26.5 23.7 35.5

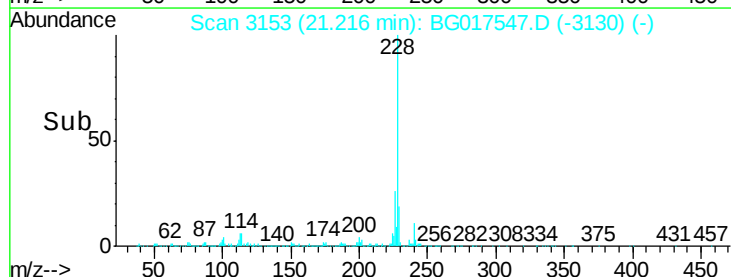
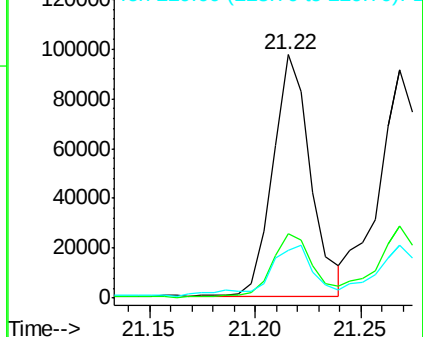
229 19.4 15.2 22.8

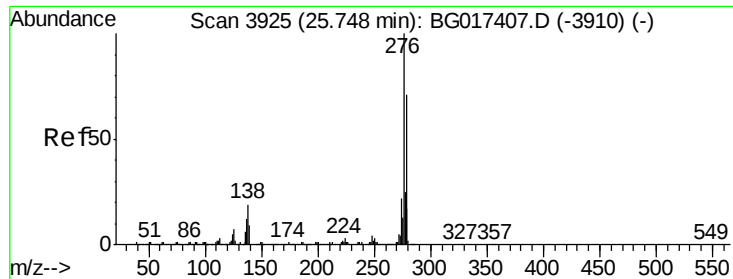


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

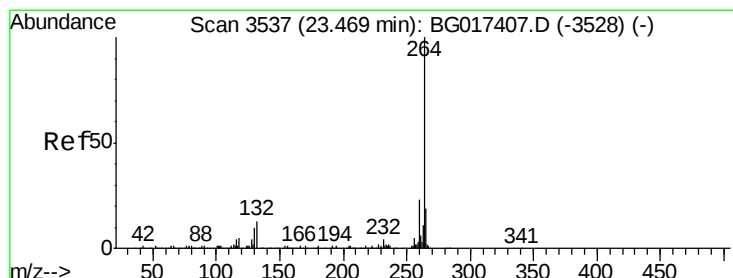
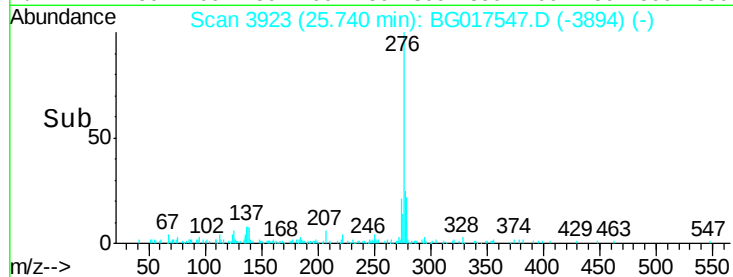
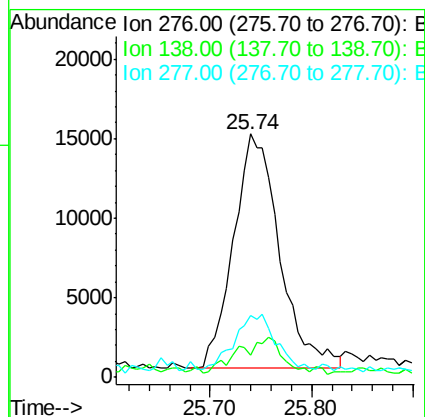
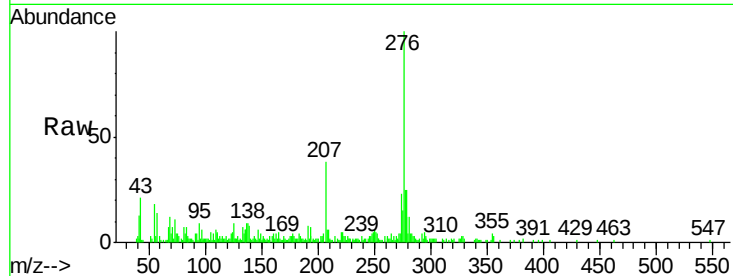




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.10 ng
 RT: 25.74 min Scan# 3923
 Delta R.T. -0.03 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

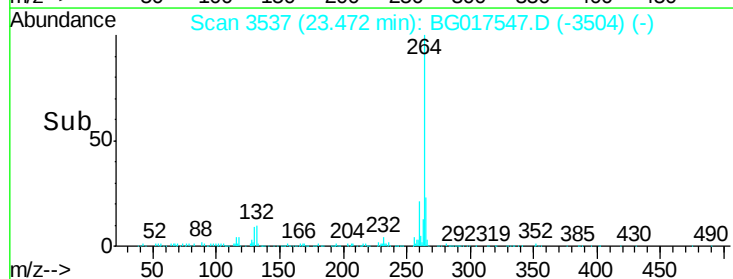
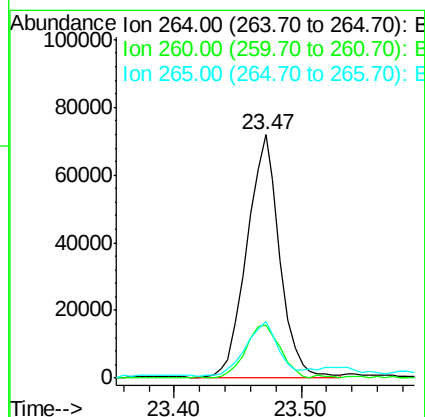
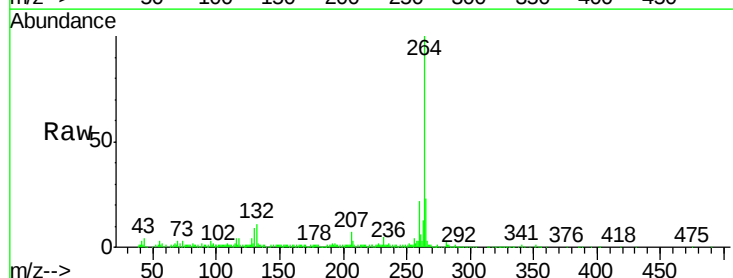
Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

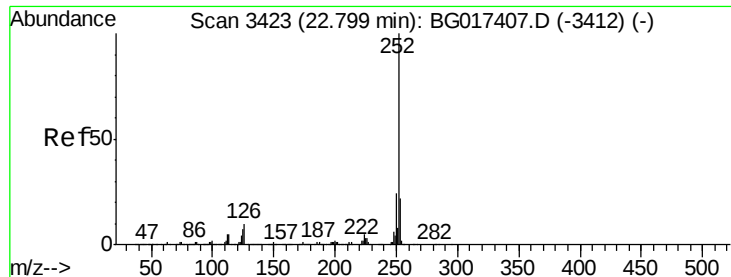
Tgt Ion:276 Resp: 46391
 Ion Ratio Lower Upper
 276 100
 138 8.5 15.4 23.0#
 277 22.1 20.5 30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.47 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: BG017547.D
 Acq: 8 Jun 2015 17:29

Tgt Ion:264 Resp: 127598
 Ion Ratio Lower Upper
 264 100
 260 21.7 18.2 27.4
 265 23.4 15.8 23.6

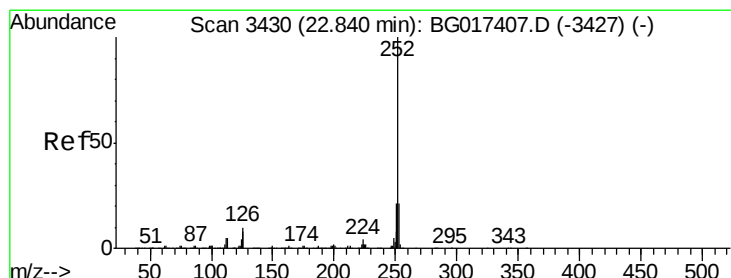
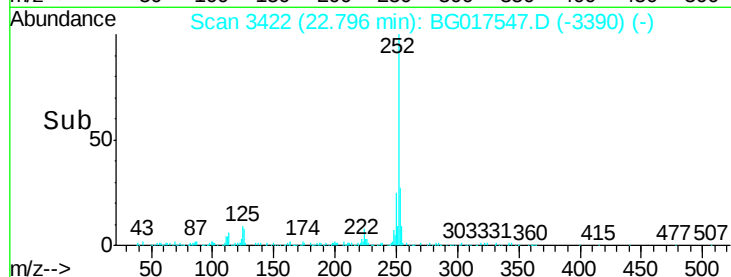
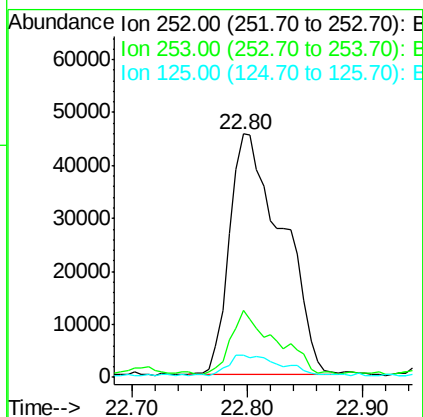
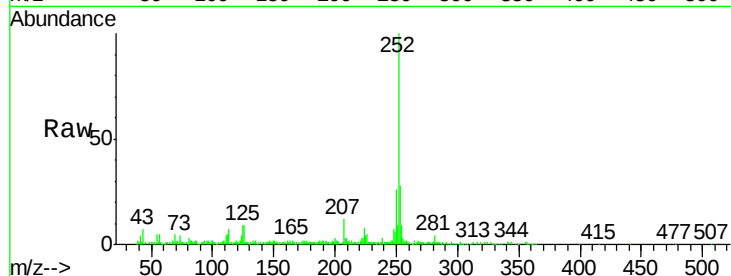




#87
Benzo(b)fluoranthene
Concen: 17.83 ng
RT: 22.80 min Scan# 3422
Delta R.T. -0.01 min
Lab File: BG017547.D
Acq: 8 Jun 2015 17:29

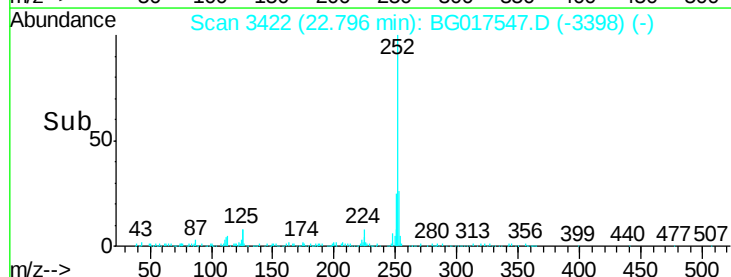
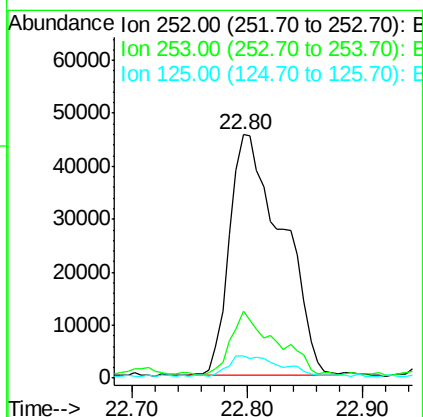
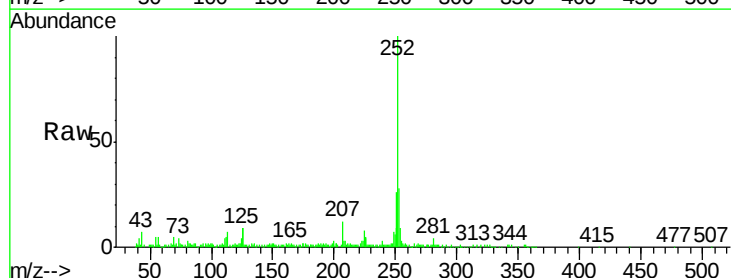
Instrument :
BNA_G
ClientSampleId :
DUSO-006

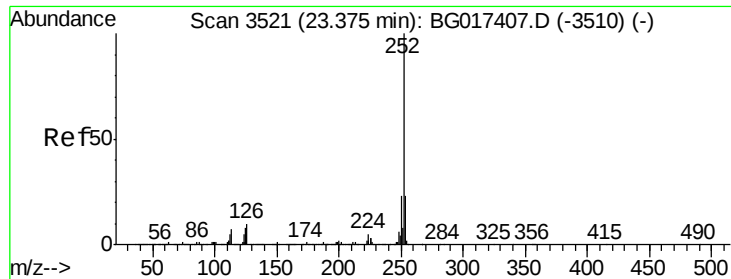
Tgt Ion:252 Resp: 144174
Ion Ratio Lower Upper
252 100
253 27.5 17.4 26.2#
125 9.0 5.8 8.8#



#88
Benzo(k)fluoranthene
Concen: 18.63 ng
RT: 22.80 min Scan# 3422
Delta R.T. -0.06 min
Lab File: BG017547.D
Acq: 8 Jun 2015 17:29

Tgt Ion:252 Resp: 144174
Ion Ratio Lower Upper
252 100
253 27.5 17.7 26.5#
125 9.0 6.5 9.7





#89

Benzo(a)pyrene

Concen: 13.59 ng

RT: 23.37 min Scan# 3520

Delta R.T. -0.01 min

Lab File: BG017547.D

Acq: 8 Jun 2015 17:29

Instrument :

BNA_G

ClientSampleId :

DUSO-006

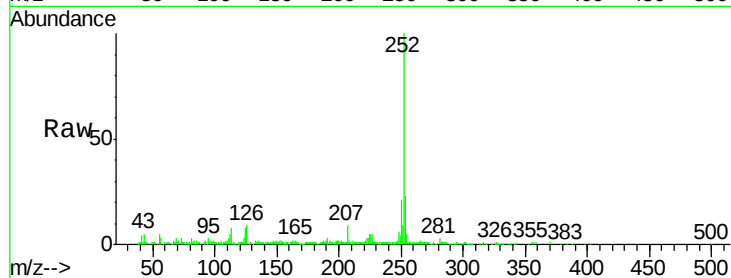
Tgt Ion:252 Resp: 100754

Ion Ratio Lower Upper

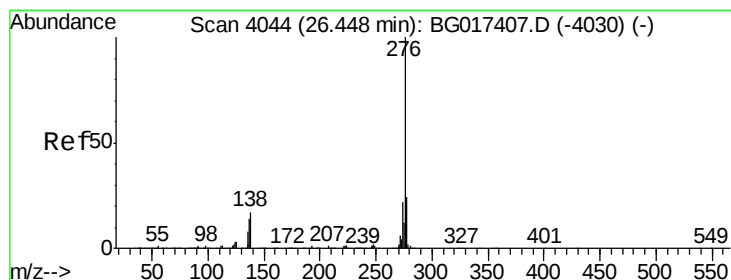
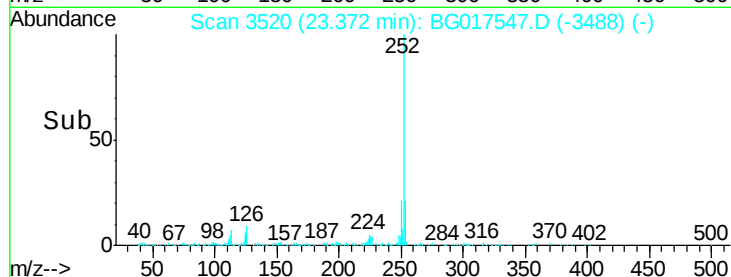
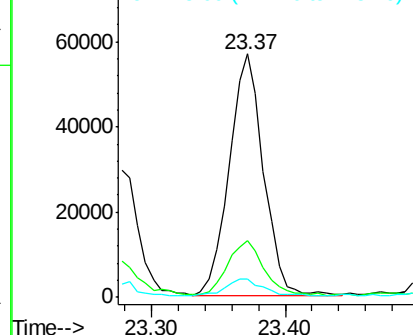
252 100

253 23.4 18.1 27.1

125 7.6 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: 6.11 ng

RT: 26.44 min Scan# 4043

Delta R.T. -0.03 min

Lab File: BG017547.D

Acq: 8 Jun 2015 17:29

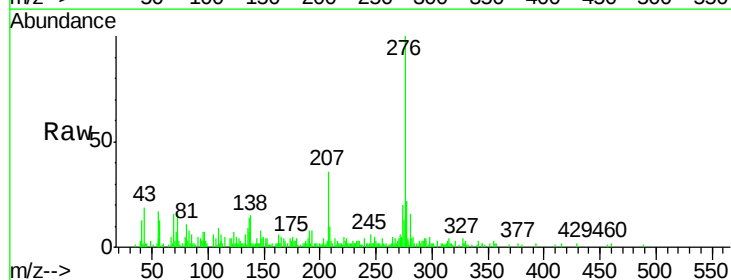
Tgt Ion:276 Resp: 44804

Ion Ratio Lower Upper

276 100

277 21.9 19.2 28.8

138 14.9 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

