

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

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

Manual Integrations
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Quant Time: Jun 10 06:54:13 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	125182m	15.20	ng	
88) Benzo(k)fluoranthene	22.79	252	28826m	3.66	ng	
89) Benzo(a)pyrene	23.32	252	109287m	14.47	ng	
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

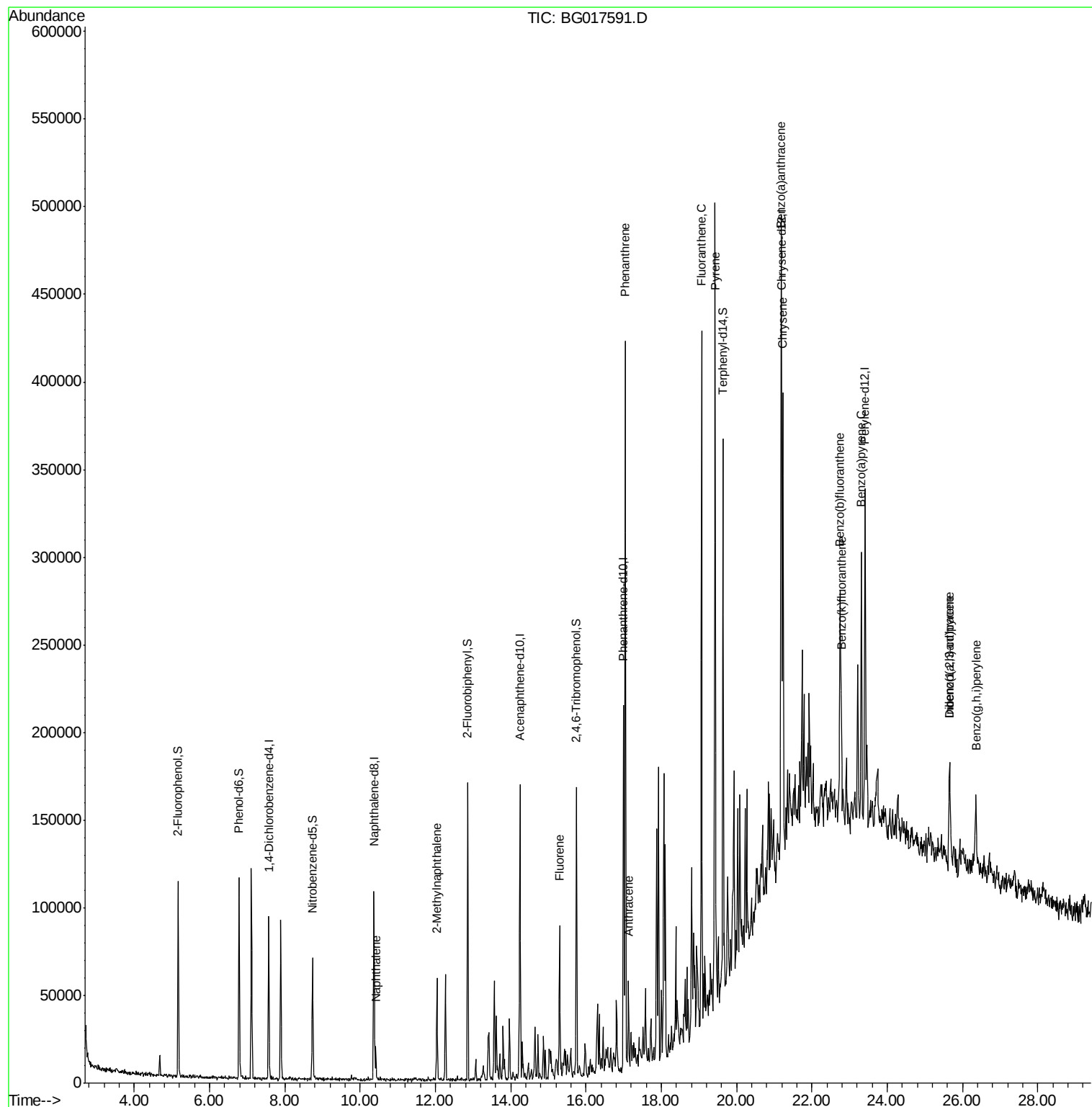
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017591.D
Acq On : 10 Jun 2015 3:15
Operator : TP/IZ
Sample : G2555-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

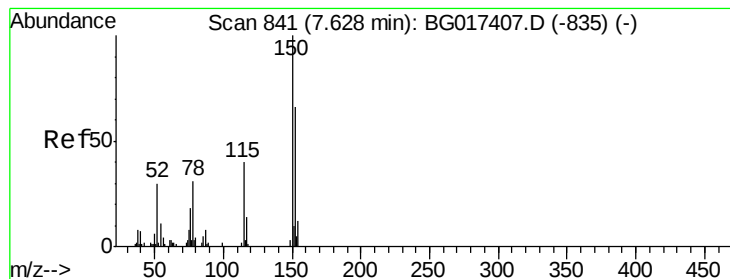
Instrument :
BNA_G
ClientSampleId :
DUSO-006

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Quant Time: Jun 10 06:54:13 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





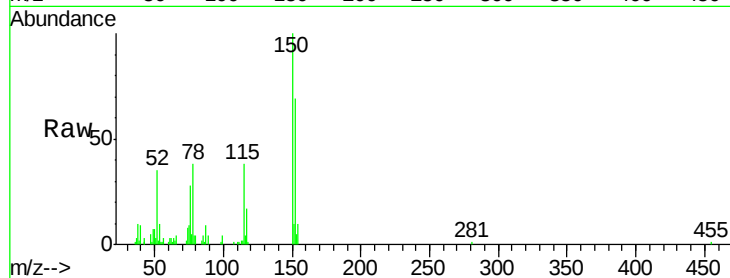
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.57 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

Instrument :
BNA_G
ClientSampleId :
DUSO-006

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

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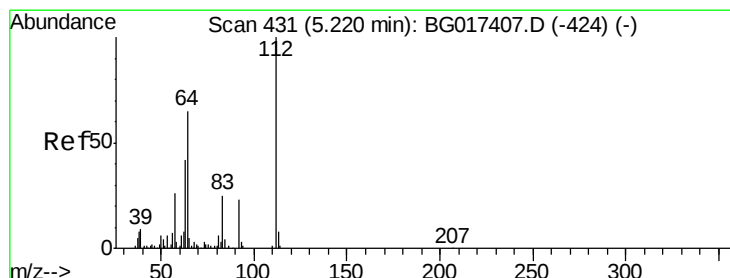
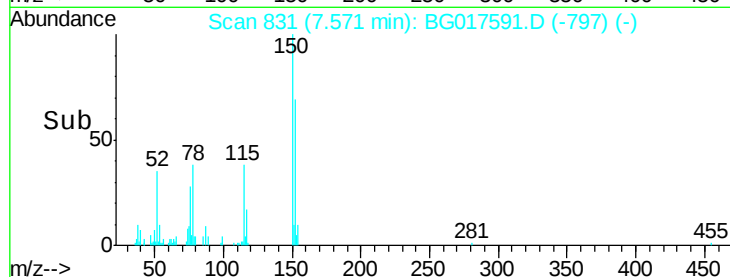
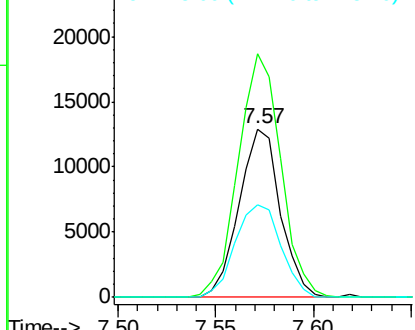


Abundance

Ion 152.00 (151.70 to 152.70): E

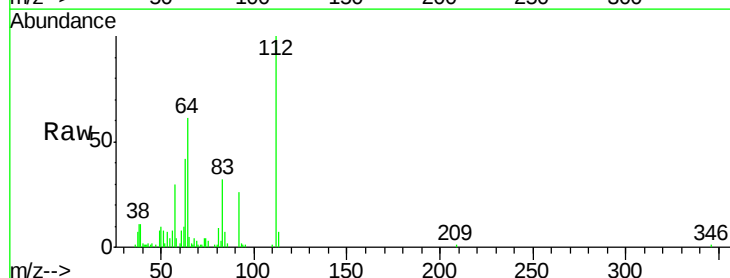
Ion 150.00 (149.70 to 150.70): E

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	Ratio	Lower	Upper
112	100		
64	60.9	51.6	77.4
63	41.7	33.3	49.9

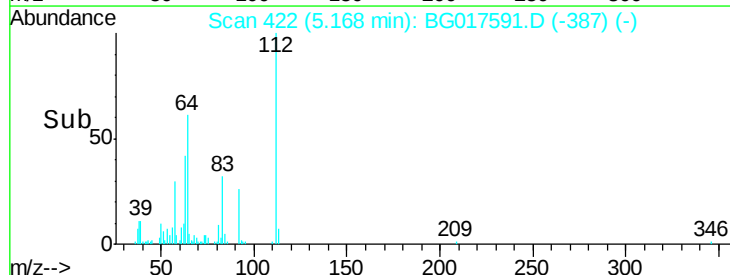
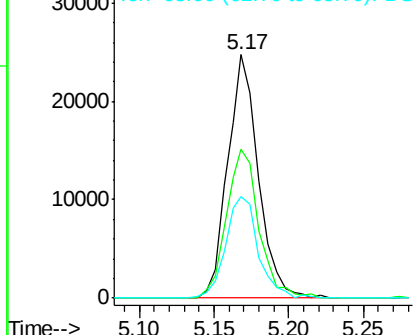


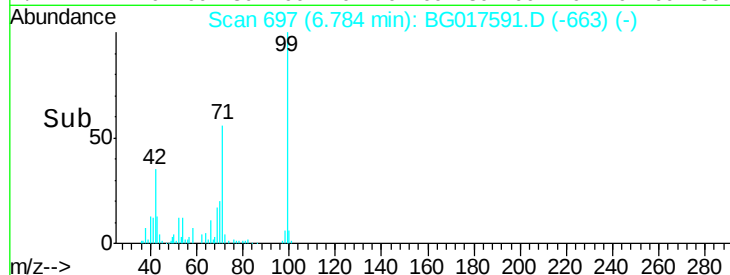
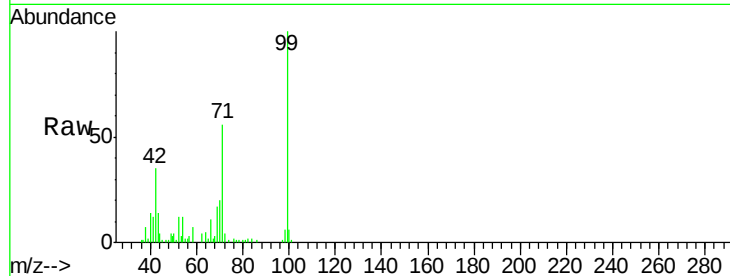
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#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

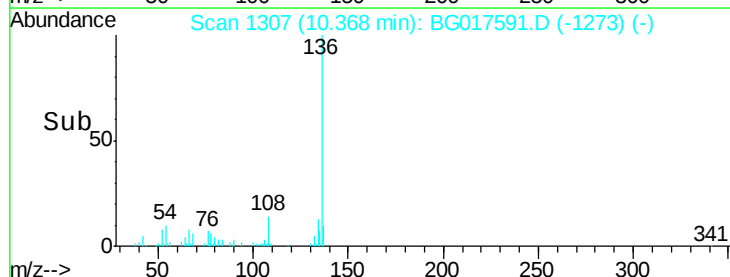
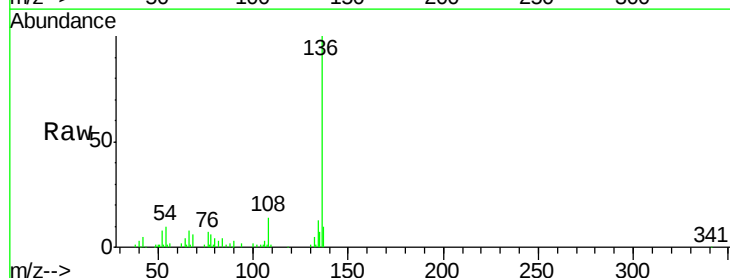
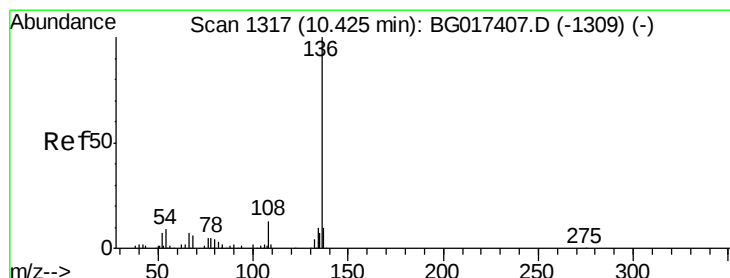
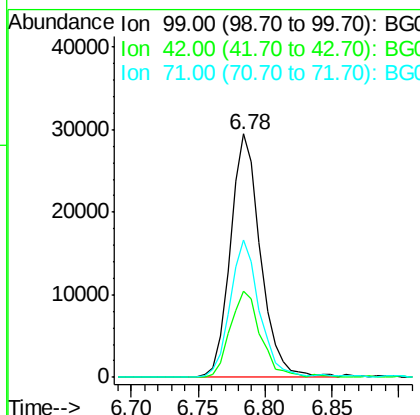
99 100

42 35.5 21.0 31.6#

71 56.3 37.2 55.8#

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#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

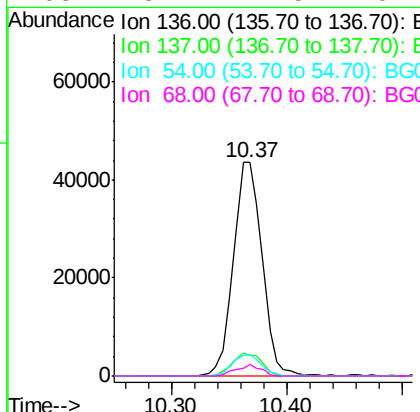
Ion Ratio Lower Upper

136 100

137 9.7 7.9 11.9

54 11.4 7.2 10.8#

68 5.7 4.5 6.7





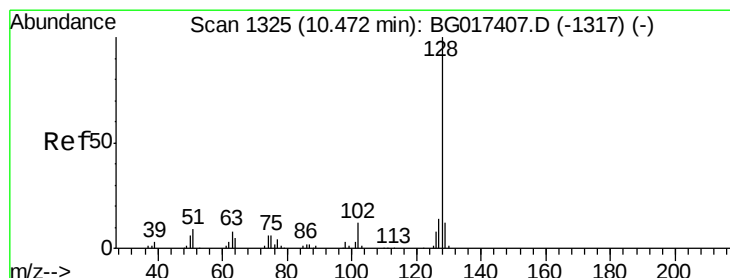
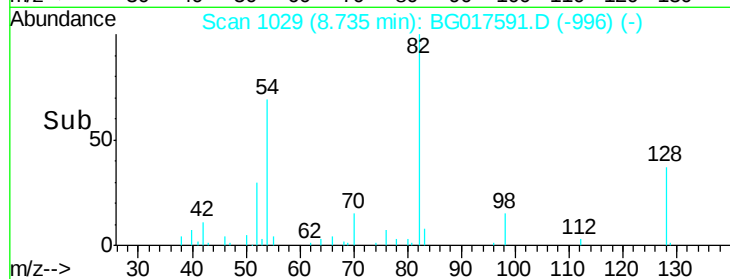
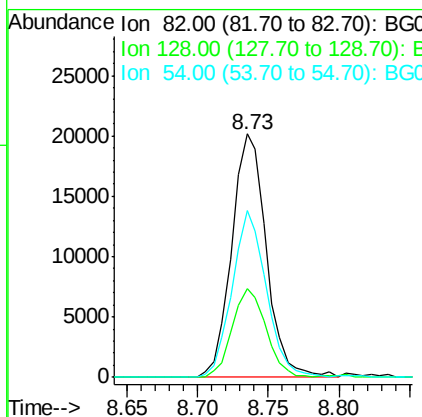
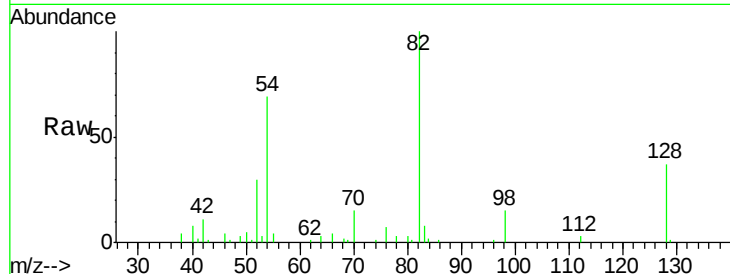
#23
 Nitrobenzene-d5
 Concen: 23.02 ng
 RT: 8.73 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BG017591.D
 Acq: 10 Jun 2015 3:15

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

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

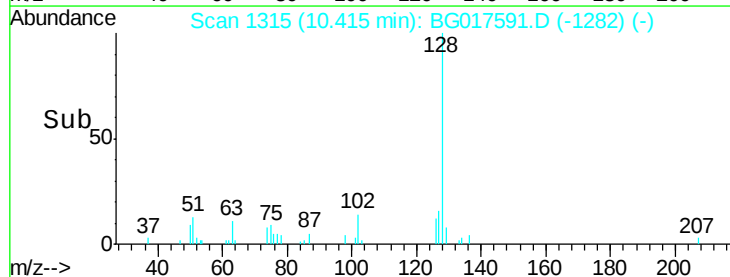
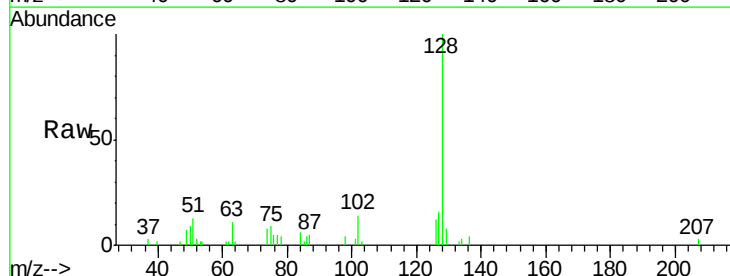
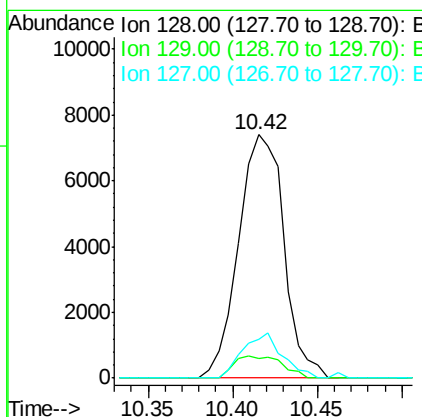
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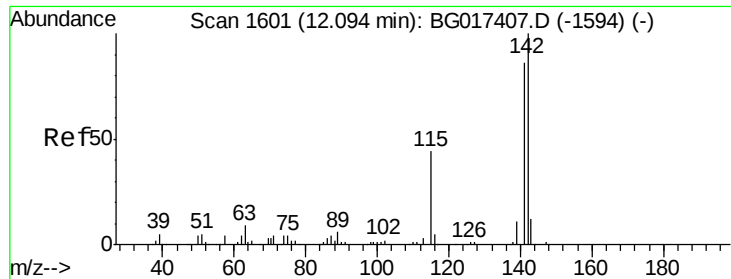
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#31
 Naphthalene
 Concen: 3.53 ng
 RT: 10.42 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BG017591.D
 Acq: 10 Jun 2015 3:15

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





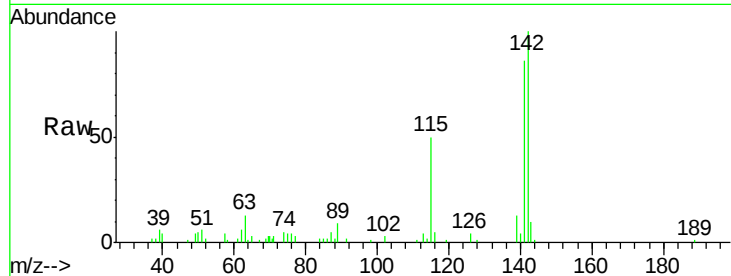
#37
2-Methylnaphthalene
Concen: 7.12 ng
RT: 12.04 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

Instrument :
BNA_G
ClientSampleId :
DUSO-006

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

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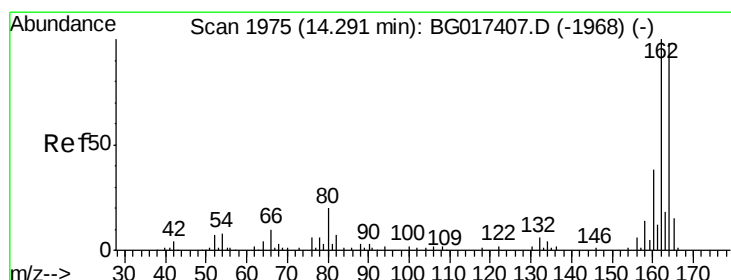
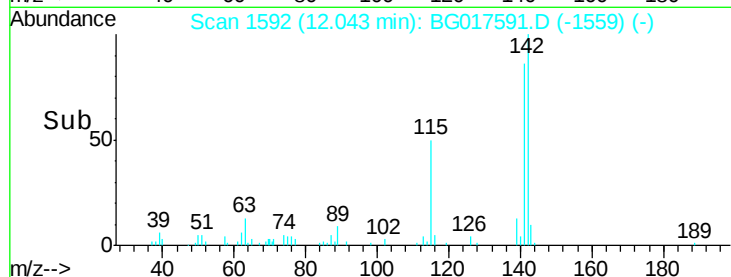
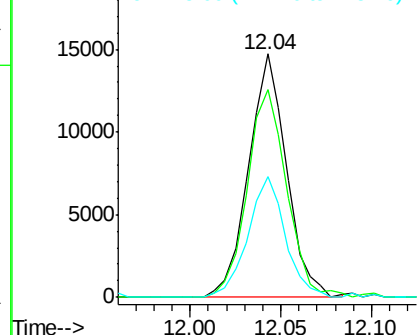


Abundance

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

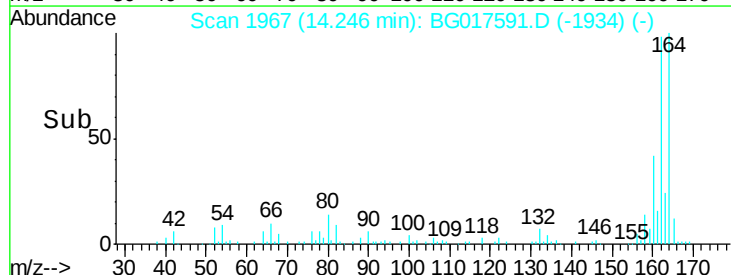
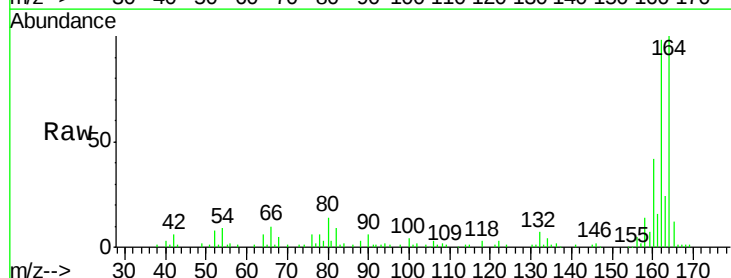
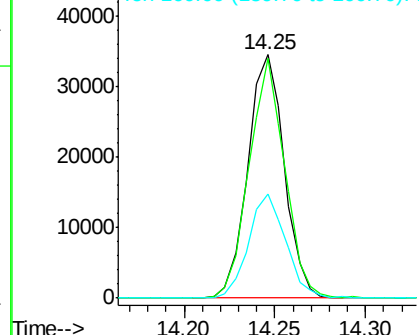
Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	81.8	122.6
160	42.5	31.0	46.4

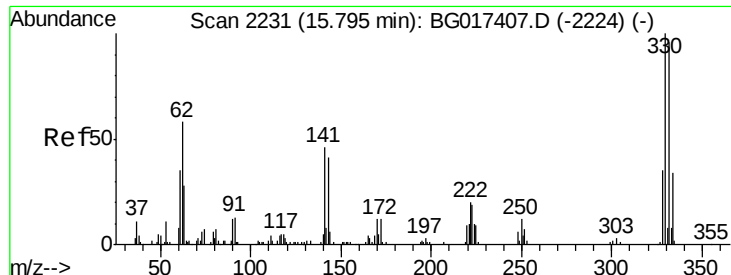
Abundance

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





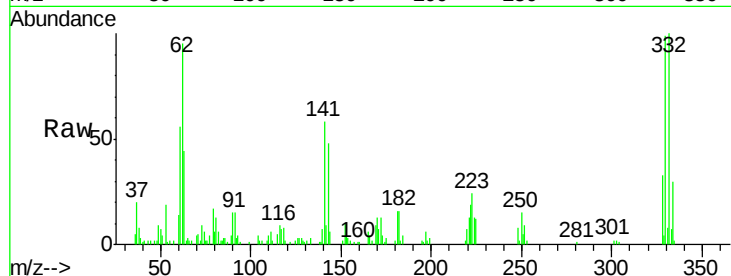
#41
 2,4,6-Tribromophenol
 Concen: 29.67 ng
 RT: 15.74 min Scan# 2222
 Delta R.T. -0.01 min
 Lab File: BG017591.D
 Acq: 10 Jun 2015 3:15

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

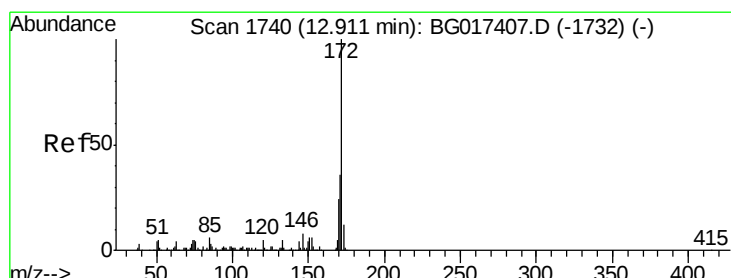
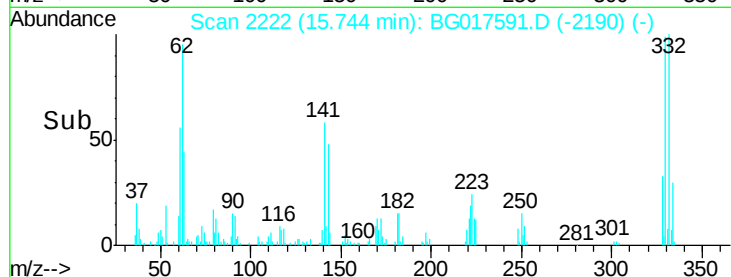
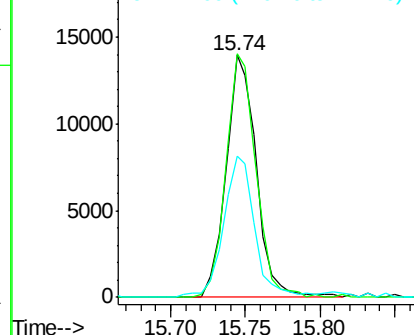
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	19836		
332	99.4	75.9	113.9	
141	60.3	40.2	60.4	

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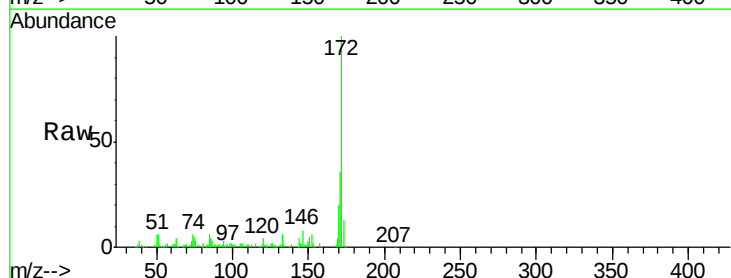


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

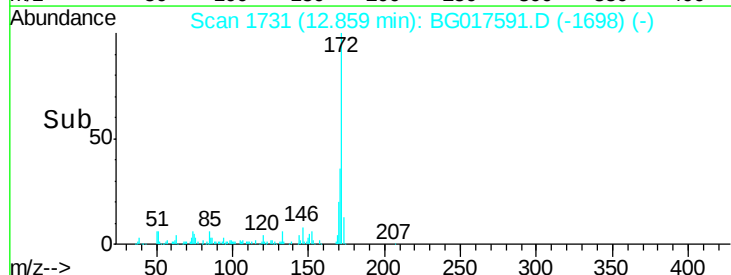
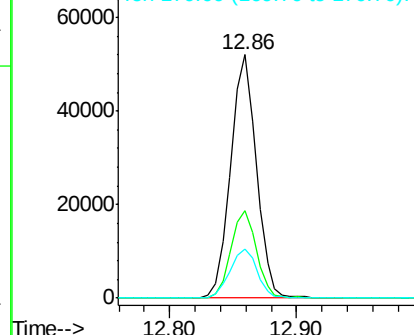


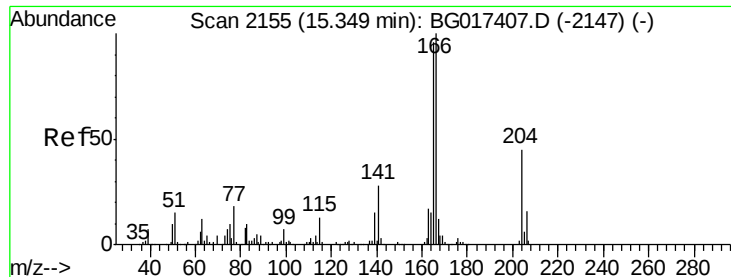
#44
 2-Fluorobiphenyl
 Concen: 22.87 ng
 RT: 12.86 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG017591.D
 Acq: 10 Jun 2015 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	72967		
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

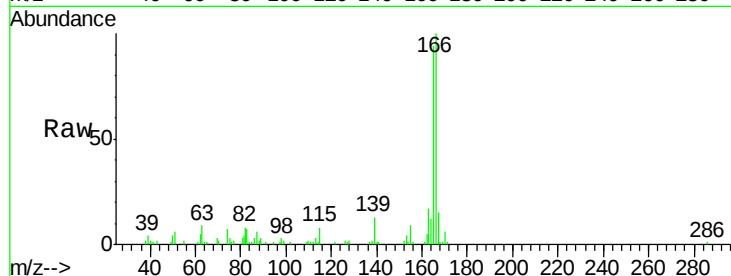
Acq: 10 Jun 2015 3:15

Instrument :

BNA_G

ClientSampleId :

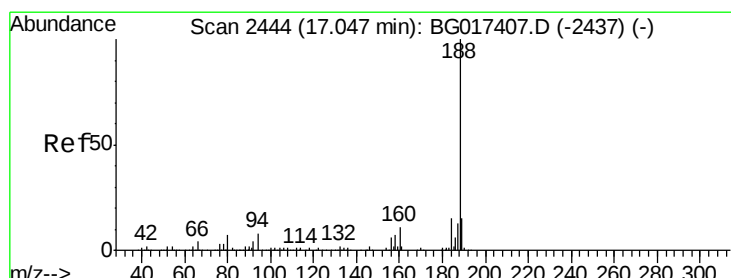
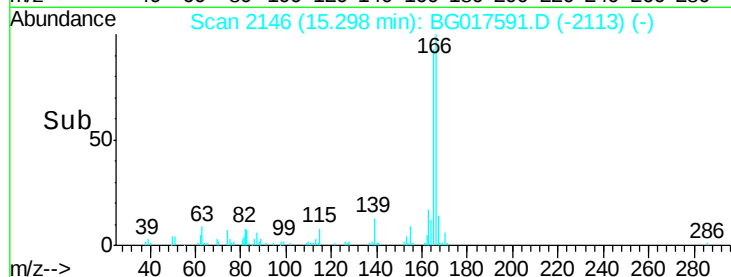
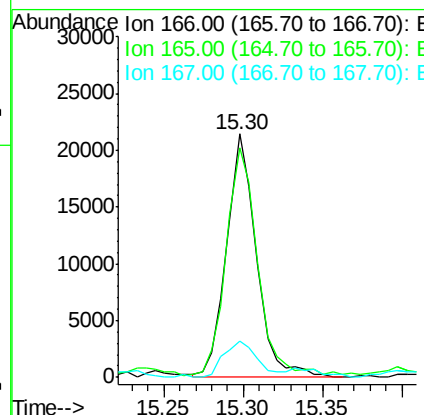
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Tgt Ion:	166	Resp:	27938
Ion Ratio	Lower	Upper	
166	100		
165	94.1	76.8	115.2
167	14.9	9.9	14.9

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#63

Phenanthrene-d10

Concen: 20.00 ng

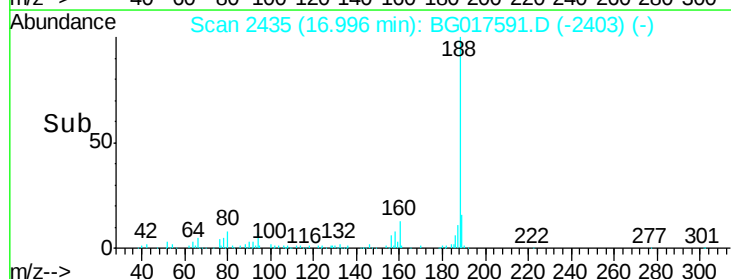
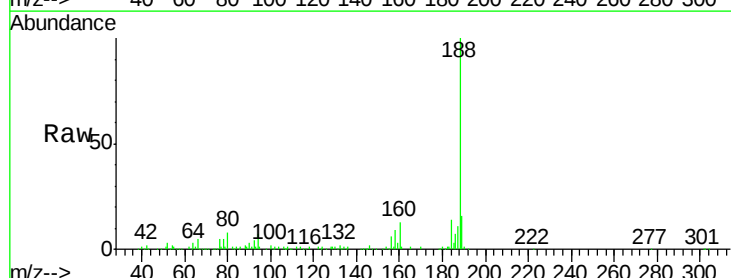
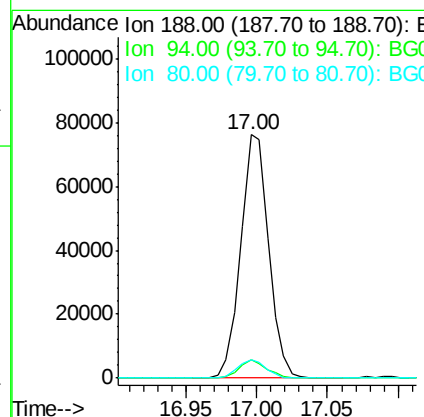
RT: 17.00 min Scan# 2435

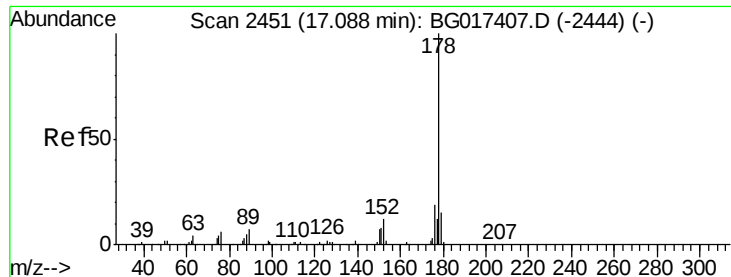
Delta R.T. -0.01 min

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





#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

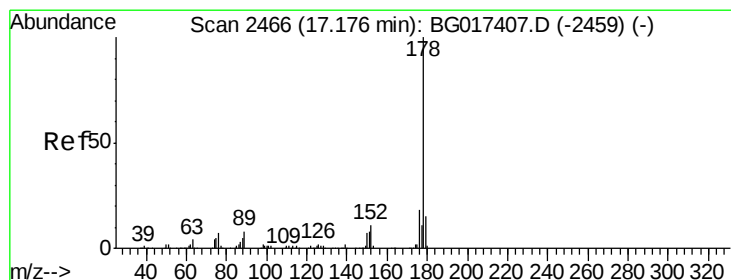
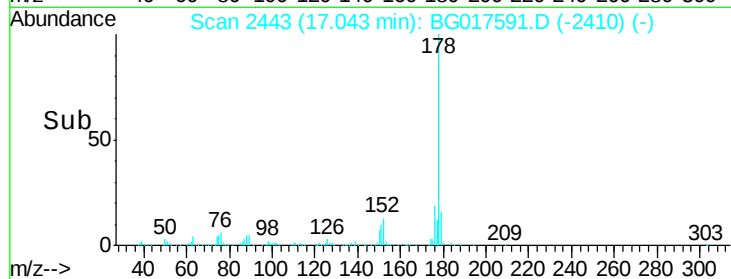
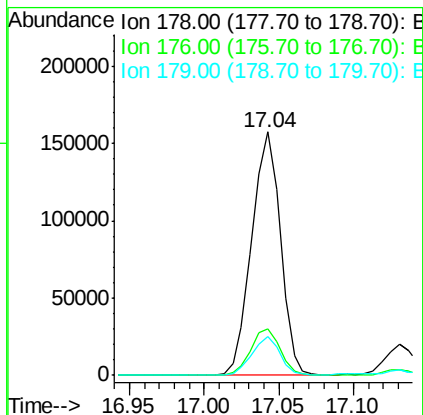
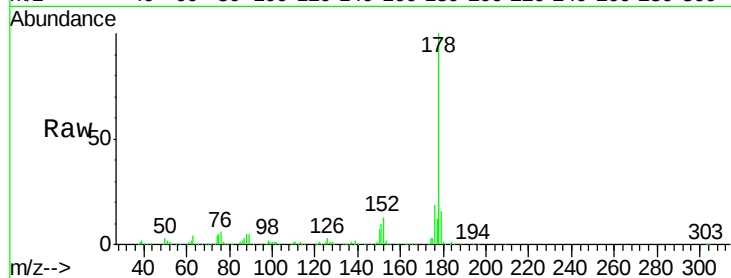
ClientSampleId :

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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

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#71

Anthracene

Concen: 4.47 ng

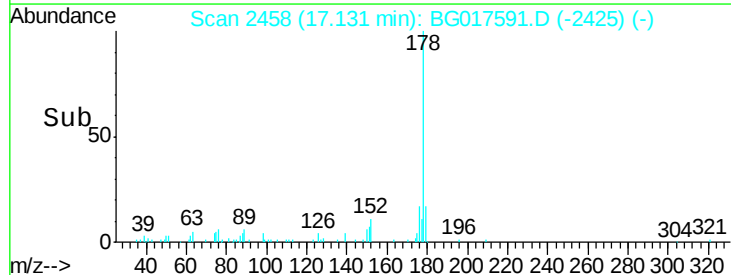
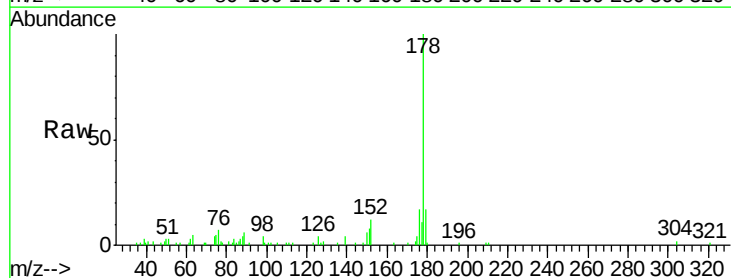
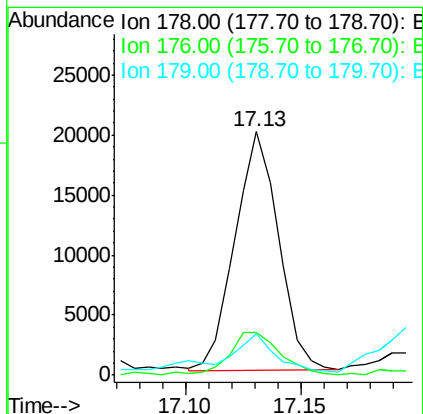
RT: 17.13 min Scan# 2458

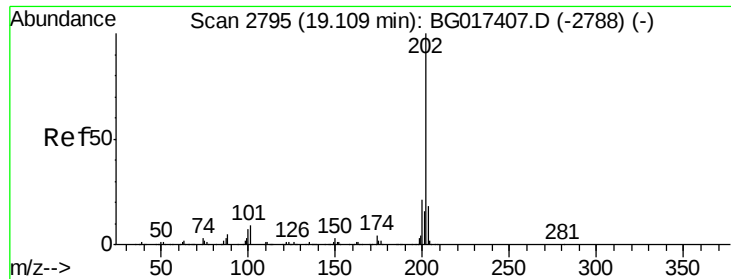
Delta R.T. -0.01 min

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





#74

Fluoranthene

Concen: 25.18 ng

RT: 19.07 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BG017591.D

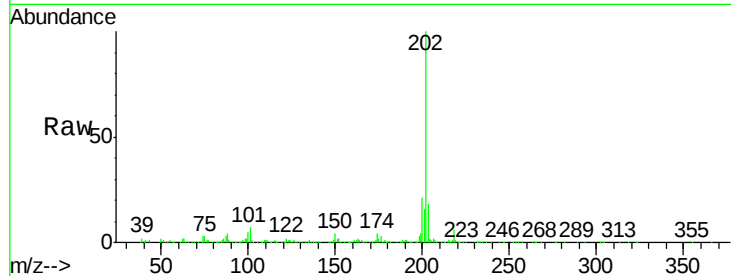
Acq: 10 Jun 2015 3:15

Instrument :

BNA_G

ClientSampleId :

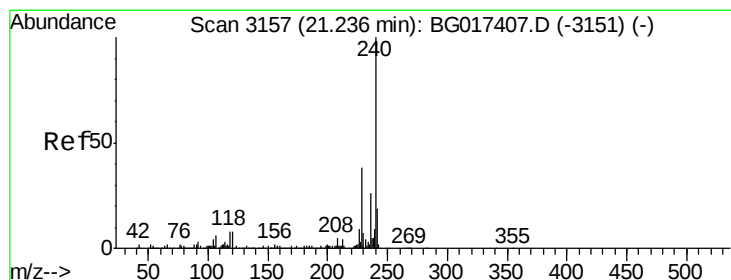
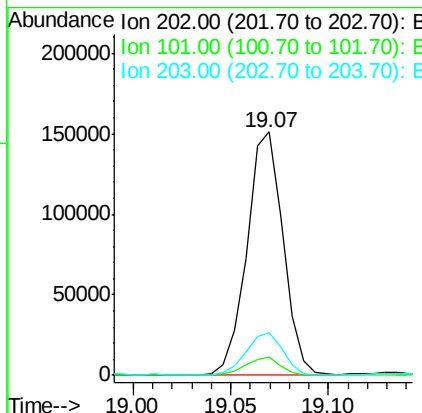
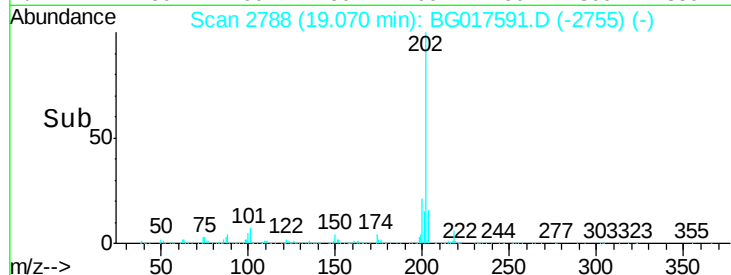
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Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		193313		
101	7.3	0.0	28.8		
203	17.7	0.0	37.6		

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#75

Chrysene-d12

Concen: 20.00 ng

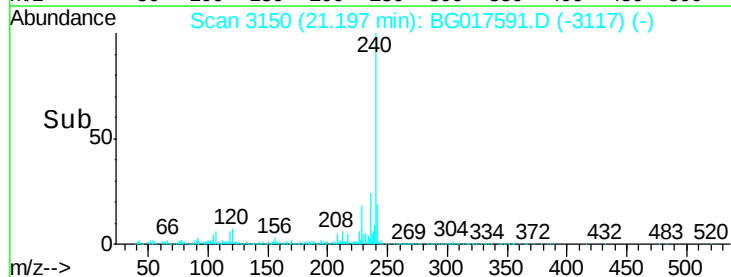
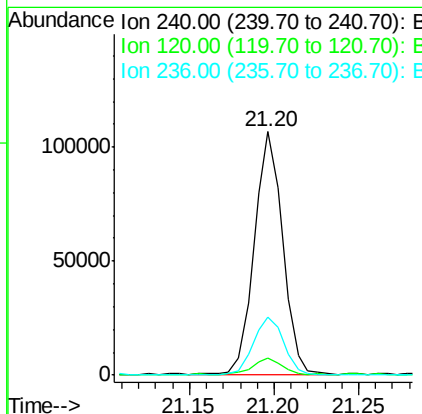
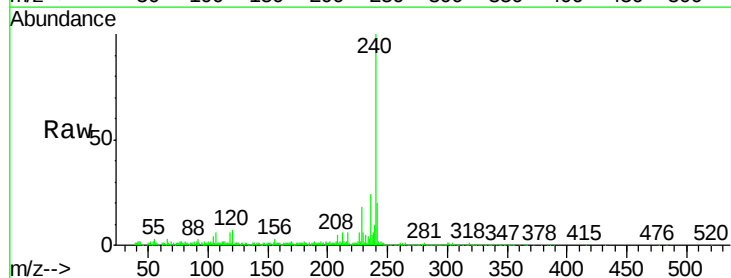
RT: 21.20 min Scan# 3150

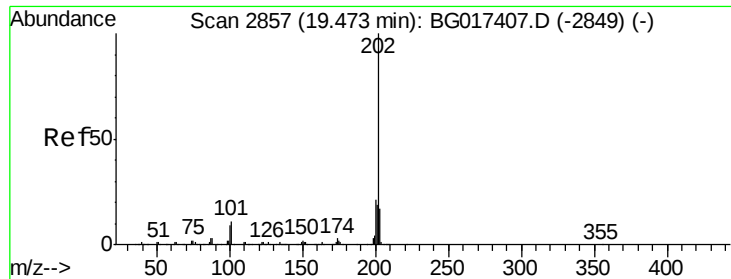
Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

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





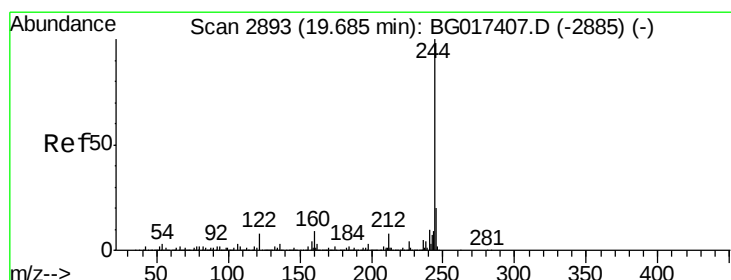
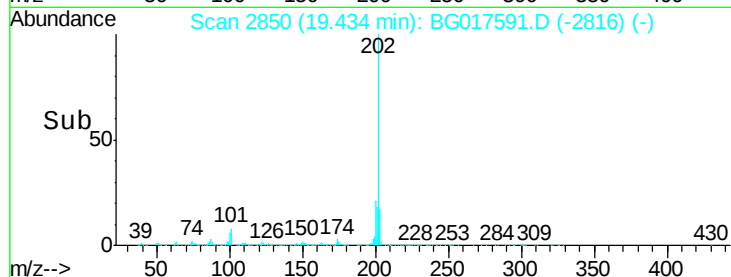
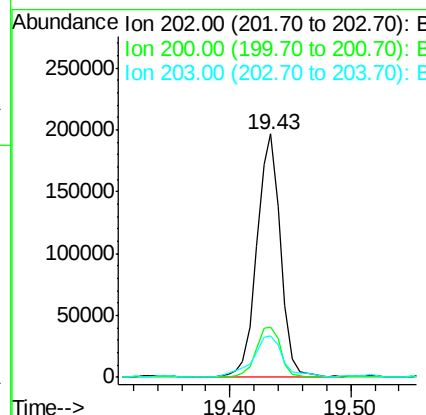
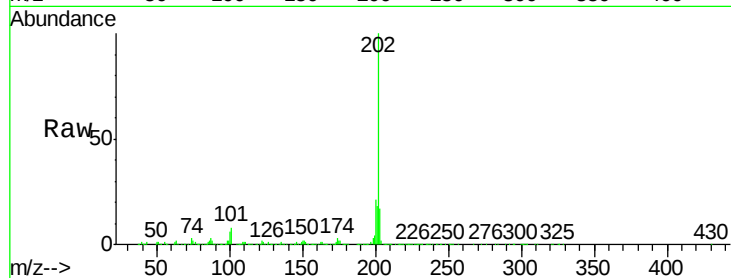
#77
 Pyrene
 Concen: 34.61 ng
 RT: 19.43 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: BG017591.D
 Acq: 10 Jun 2015 3:15

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-006

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.6	17.0	25.4
203	17.1	13.9	20.9

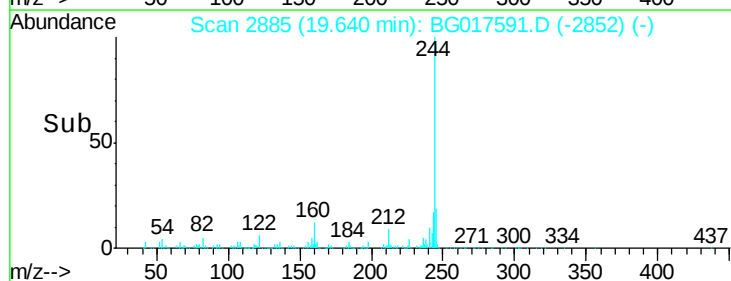
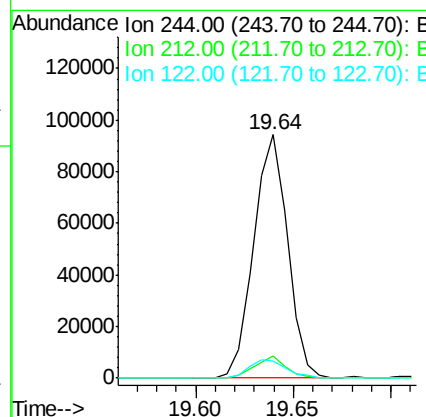
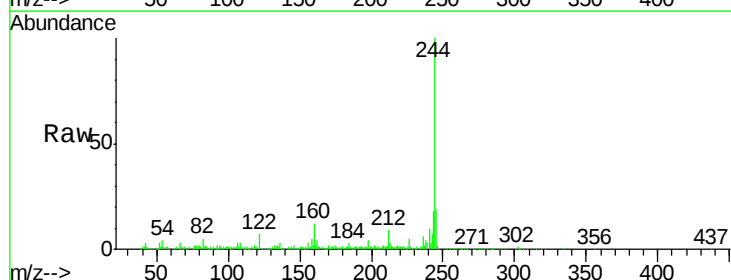
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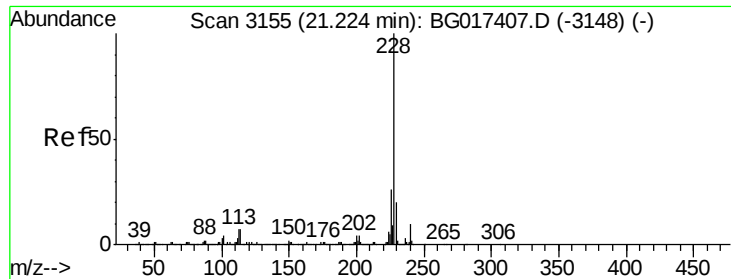
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#78
 Terphenyl-d14
 Concen: 18.80 ng
 RT: 19.64 min Scan# 2885
 Delta R.T. -0.01 min
 Lab File: BG017591.D
 Acq: 10 Jun 2015 3:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.2	6.4	9.6
122	6.9	6.6	10.0





#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

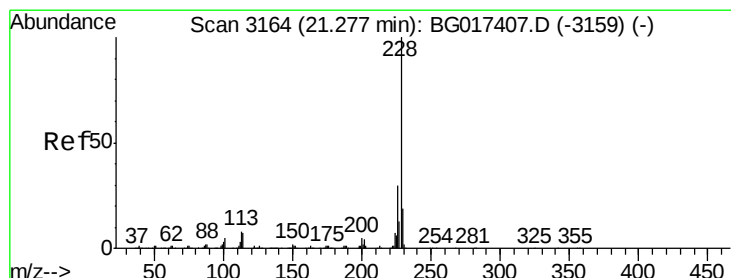
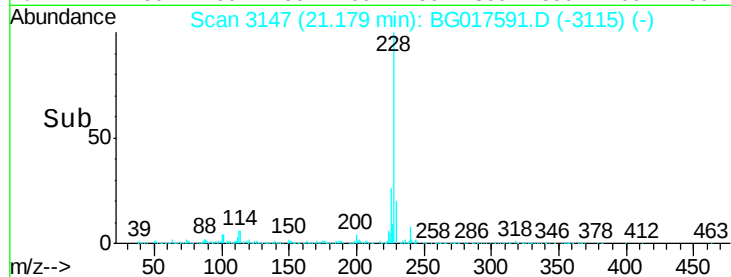
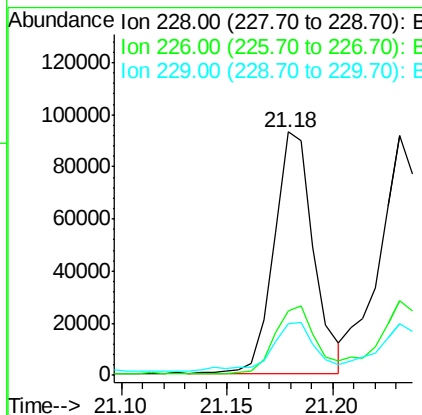
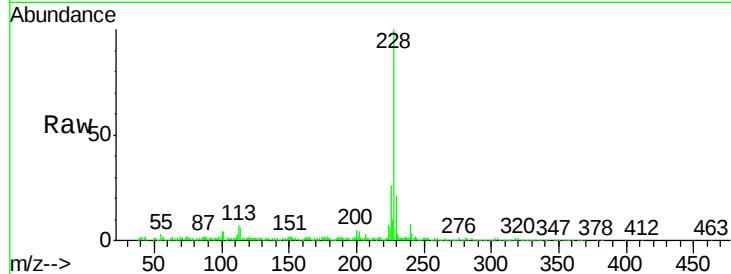
ClientSampleId :

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Tgt	Ion	Ratio	Lower	Upper
228	100			
226	26.5	21.0	31.6	
229	21.5	15.7	23.5	

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#82

Chrysene

Concen: 17.70 ng

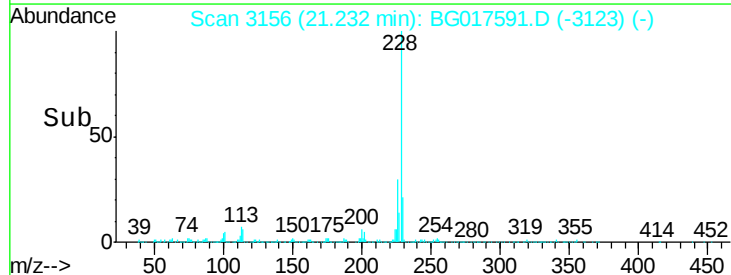
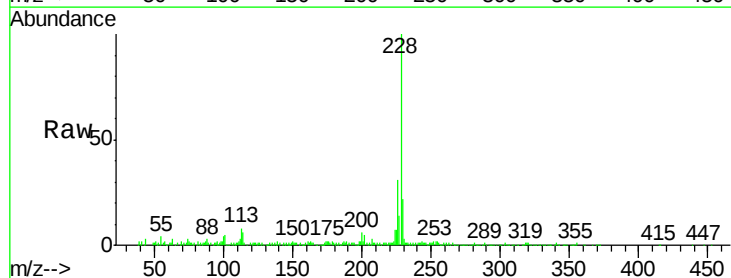
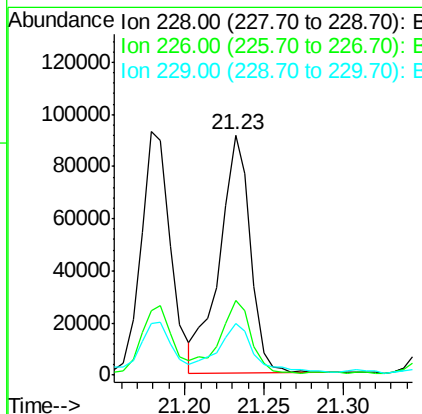
RT: 21.23 min Scan# 3156

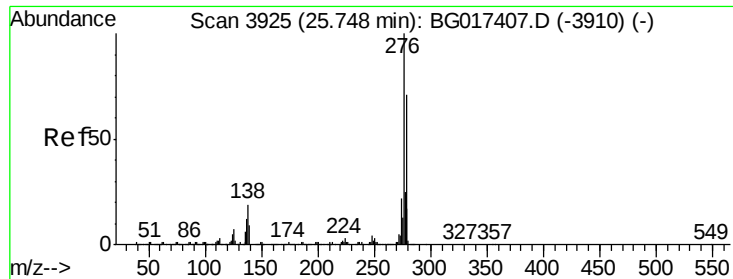
Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	31.1	23.7	35.5	
229	21.7	15.2	22.8	





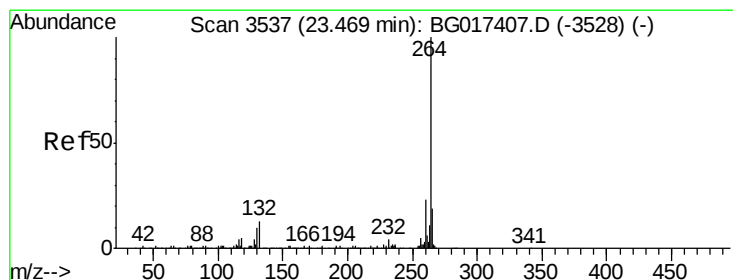
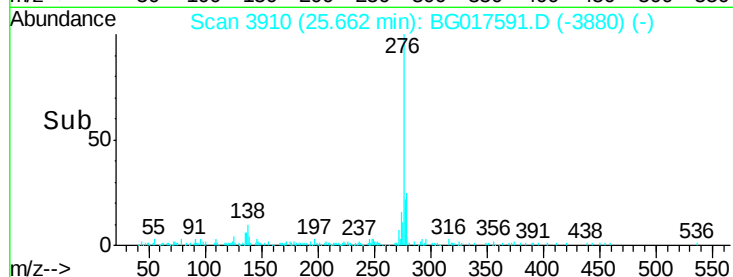
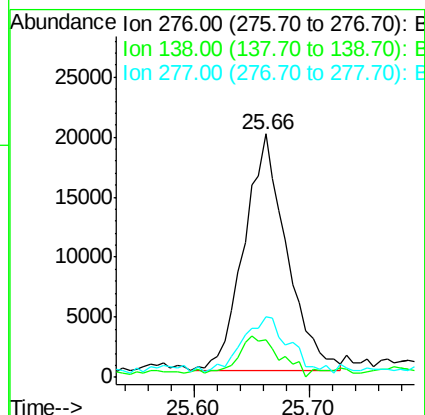
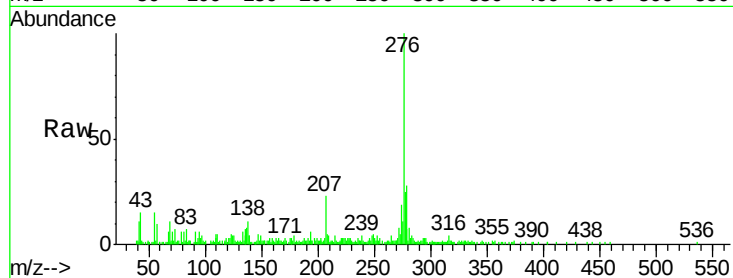
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.73 ng
RT: 25.66 min Scan# 3910
Delta R.T. -0.02 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

Instrument :
BNA_G
ClientSampleId :
DUSO-006

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

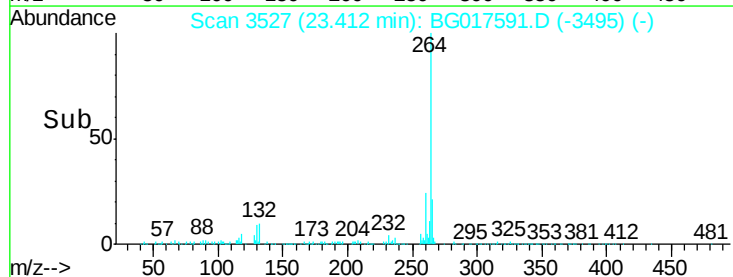
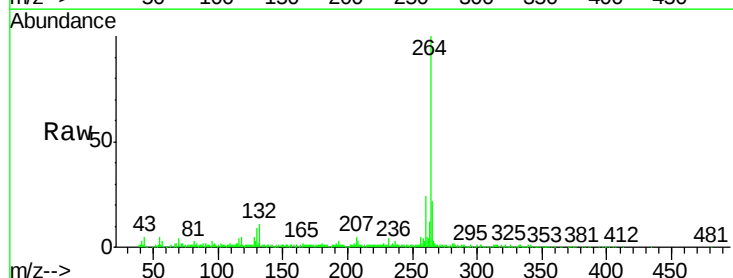
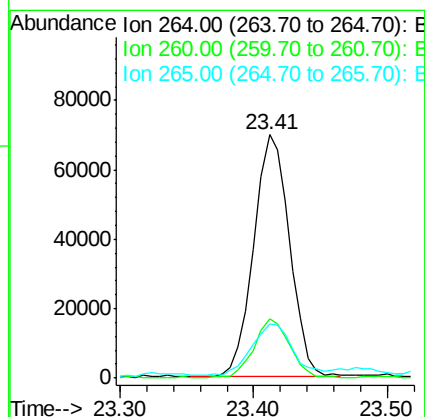
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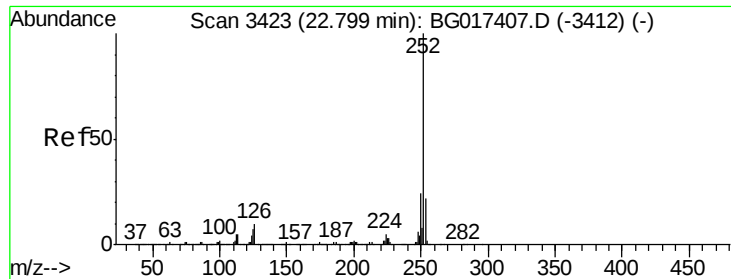
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.41 min Scan# 3527
Delta R.T. -0.01 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

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





#87

Benzo(b)fluoranthene

Concen: 15.20 ng m

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

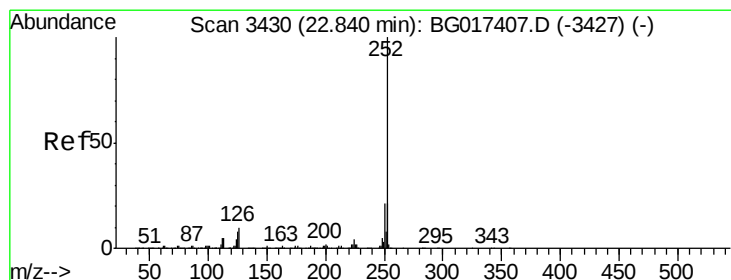
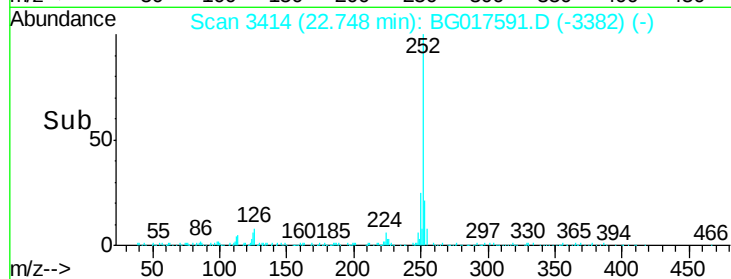
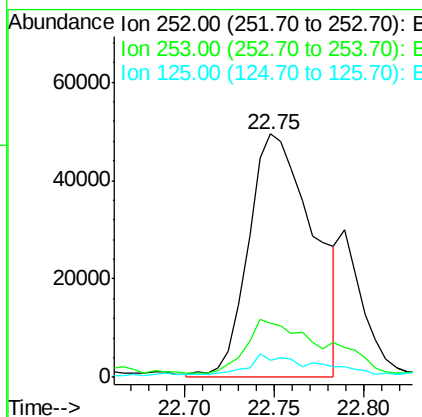
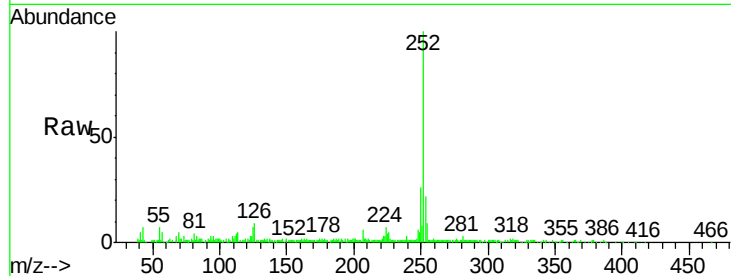
ClientSampleId :

DUSO-006

Tgt Ion:	252	Resp:	125182
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.4	26.2
125	6.8	5.8	8.8

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#88

Benzo(k)fluoranthene

Concen: 3.66 ng m

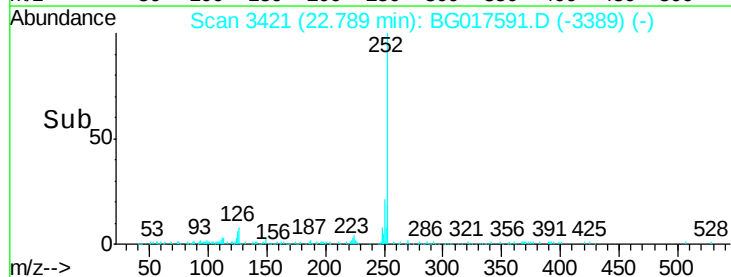
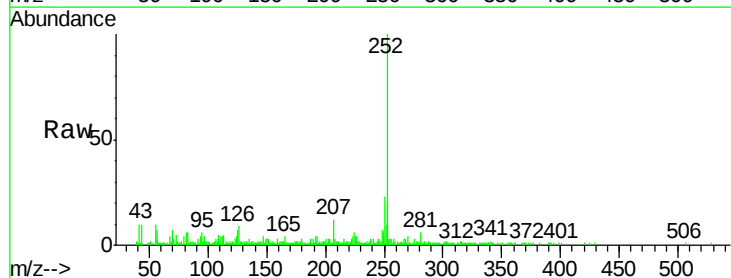
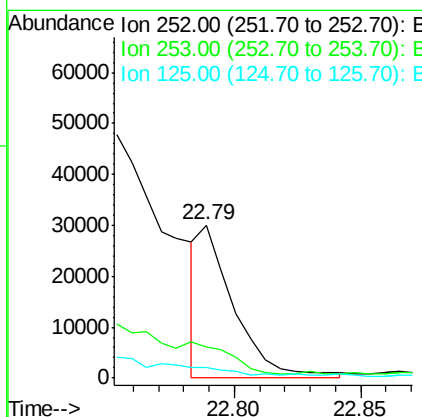
RT: 22.79 min Scan# 3421

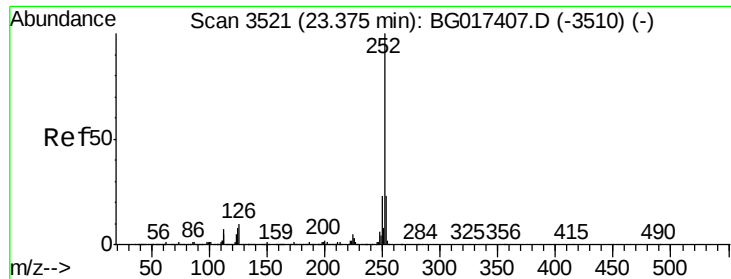
Delta R.T. -0.01 min

Lab File: BG017591.D

Acq: 10 Jun 2015 3:15

Tgt Ion:	252	Resp:	28826
Ion Ratio	Lower	Upper	
252	100		
253	20.2	17.7	26.5
125	7.3	6.5	9.7





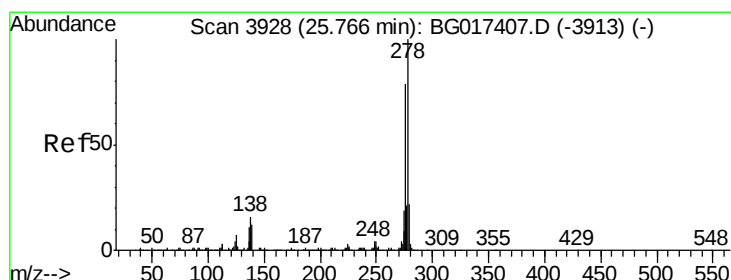
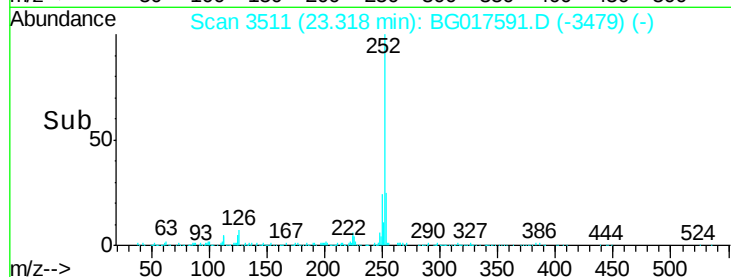
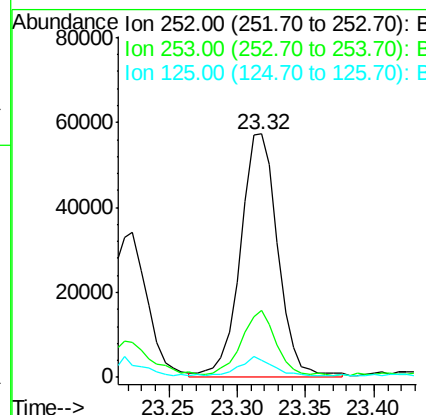
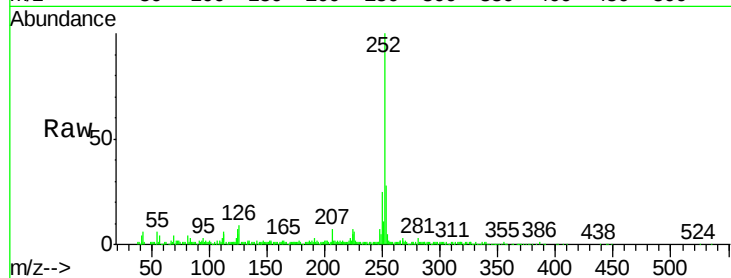
#89
Benzo(a)pyrene
Concen: 14.47 ng m
RT: 23.32 min Scan# 3511
Delta R.T. -0.01 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

Instrument :
BNA_G
ClientSampleId :
DUSO-006

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.1	27.1#
125	6.8	6.5	9.7

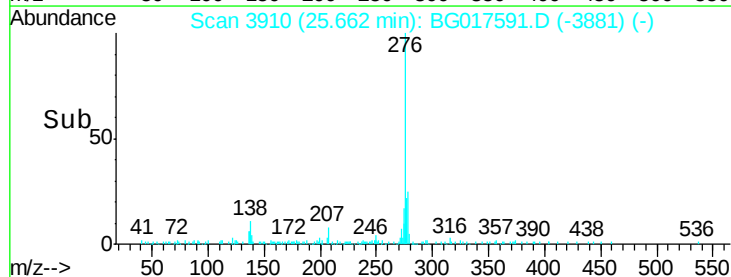
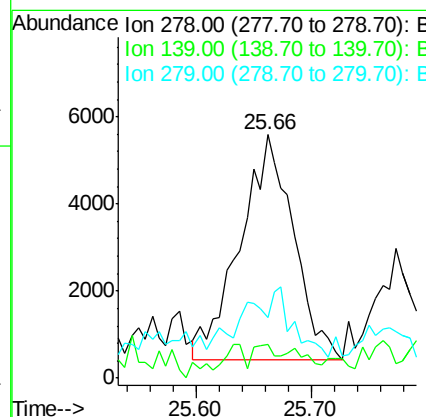
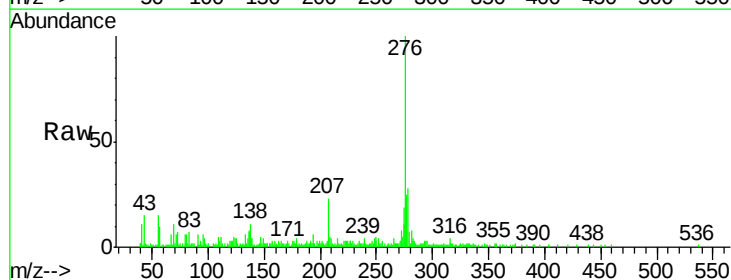
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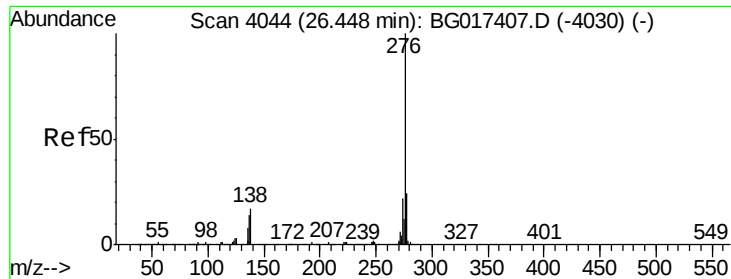
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#90
Dibenzo(a,h)anthracene
Concen: 2.13 ng
RT: 25.66 min Scan# 3910
Delta R.T. -0.03 min
Lab File: BG017591.D
Acq: 10 Jun 2015 3:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.7	9.4	14.0
279	24.7	17.8	26.8





#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

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