

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017565.D
 Acq On : 9 Jun 2015 8:22
 Operator : TP/IZ
 Sample : G2429-10DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TS16.4(3)DL

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Quant Time: Jun 09 11:08:09 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 18:39:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	19644	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	81646	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	53096	20.00	ng	-0.01
63) Phenanthrene-d10	17.02	188	107329	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	120897	20.00	ng	-0.02
86) Perylene-d12	23.45	264	119635	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	21514	19.30	ng	0.00
7) Phenol-d6	6.82	99	28429	18.72	ng	0.00
23) Nitrobenzene-d5	8.77	82	21525	13.16	ng	0.00
41) 2,4,6-Tribromophenol	15.77	330	11097	15.05	ng	-0.01
44) 2-Fluorobiphenyl	12.89	172	42479	12.07	ng	-0.01
78) Terphenyl-d14	19.66	244	58746	10.04	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	13.73	163	19878	4.30	ng	# 92
51) Acenaphthene	14.34	154	12219	3.63	ng	97
54) Dibenzofuran	14.67	168	18703	3.76	ng	97
57) Fluorene	15.33	166	18376	4.08	ng	99
70) Phenanthrene	17.06	178	311566	52.06	ng	98
71) Anthracene	17.16	178	73558	12.30	ng	99
72) Carbazole	17.43	167	28267	4.79	ng	# 90
74) Fluoranthene	19.09	202	387021	49.46	ng	99
77) Pyrene	19.46	202	297515	39.95	ng	98
80) Benzo(a)anthracene	21.21	228	152867	20.56	ng	99
82) Chrysene	21.25	228	127205	18.89	ng	96
85) Indeno(1,2,3-cd)pyrene	25.72	276	53214	6.29	ng	92
87) Benzo(b)fluoranthene	22.78	252	159691m	21.06	ng	
88) Benzo(k)fluoranthene	22.82	252	52295m	7.21	ng	
89) Benzo(a)pyrene	23.35	252	108710m	15.63	ng	
91) Benzo(g,h,i)perylene	26.42	276	44841	6.52	ng	# 92

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

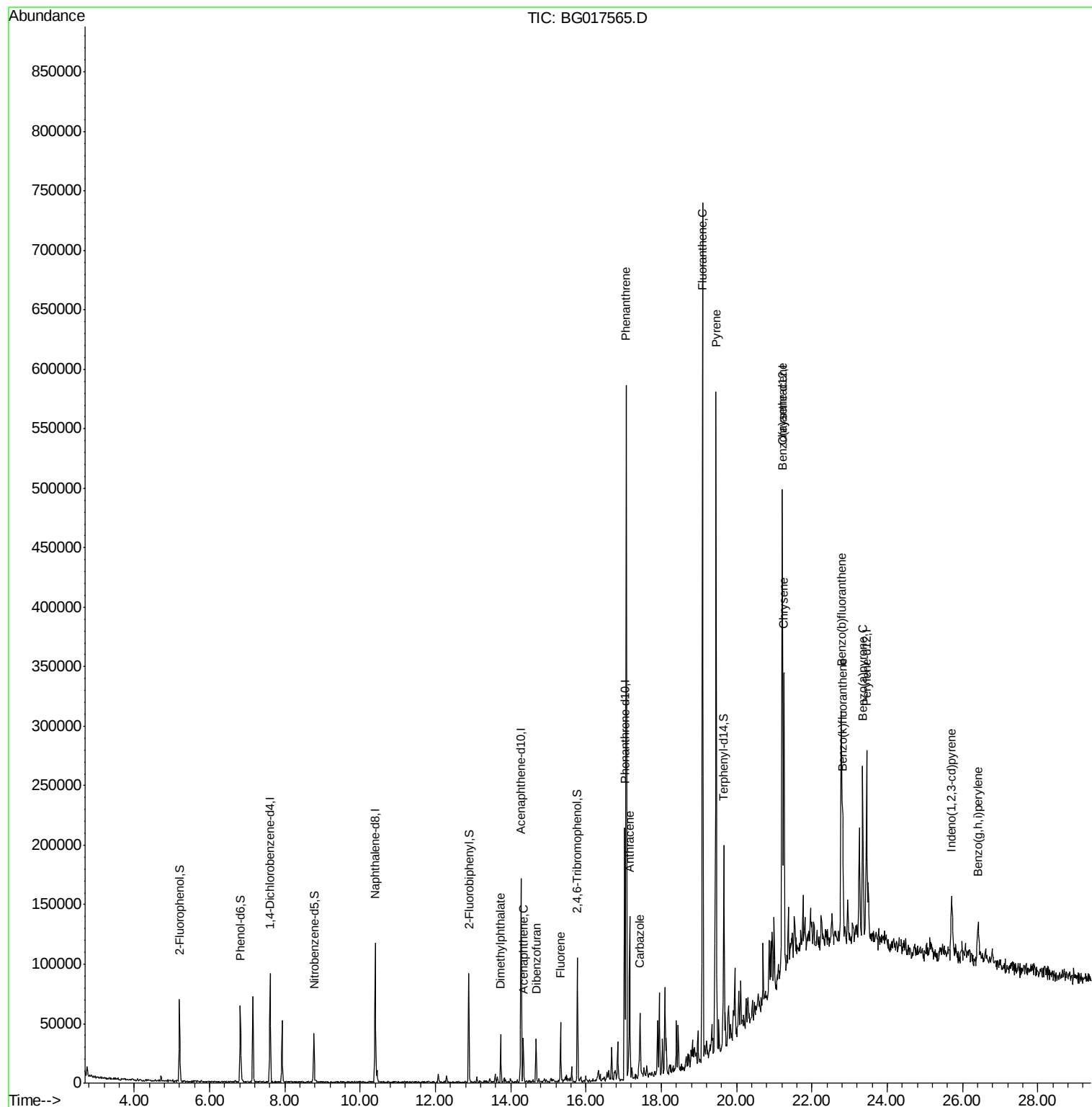
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017565.D
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Sample : G2429-10DL 5X
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ALS Vial : 25 Sample Multiplier: 1

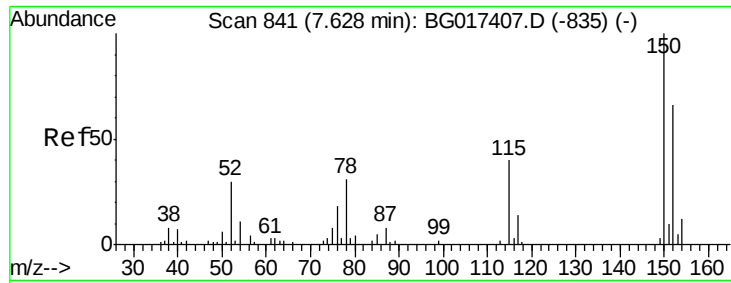
Instrument :
BNA_G
ClientSampleId :
TS16.4(3)DL

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Quant Time: Jun 09 11:08:09 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 18:39:50 2015
Response via : Initial Calibration





#1

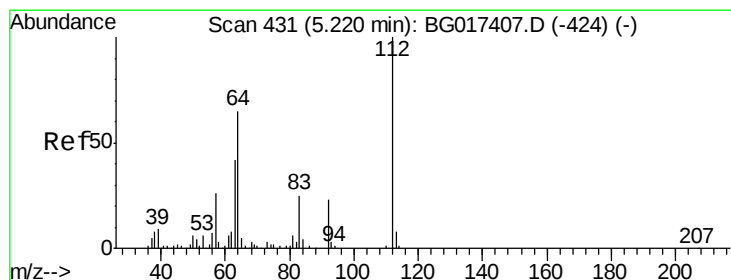
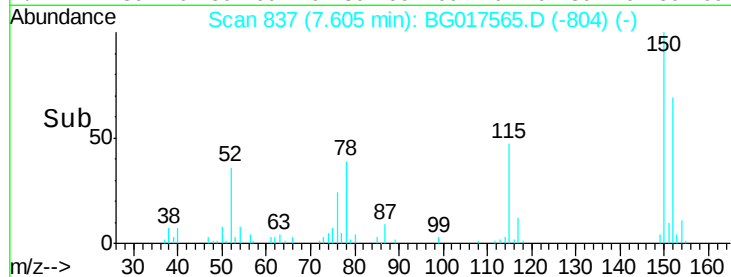
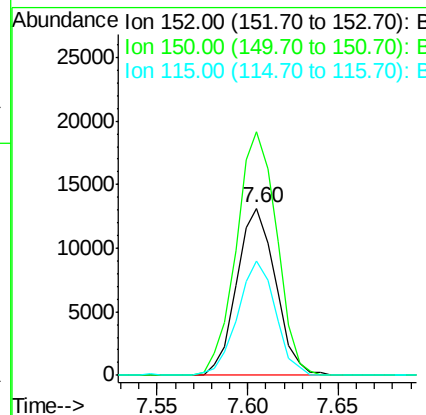
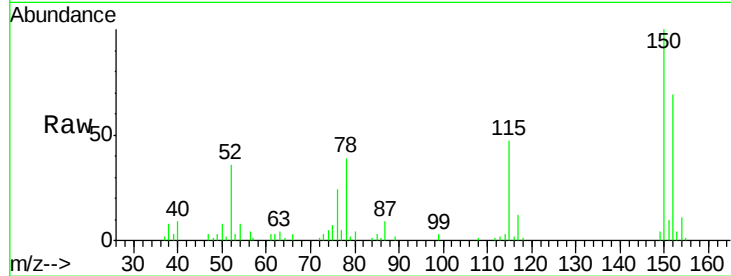
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.60 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG017565.D
Acq: 9 Jun 2015 8:22

Instrument :
BNA_G
ClientSampled :
TS16.4(3)DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	145.7	121.7	182.5
115	68.5	48.6	73.0

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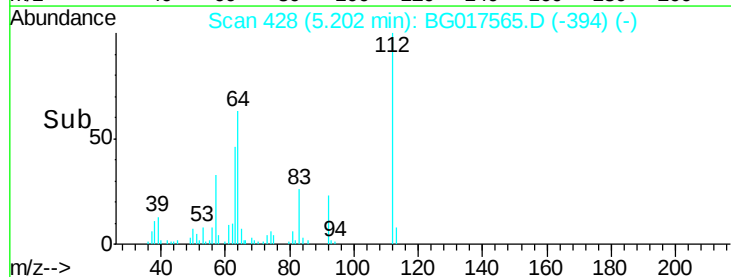
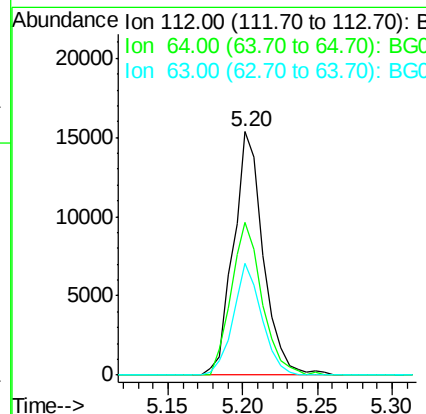
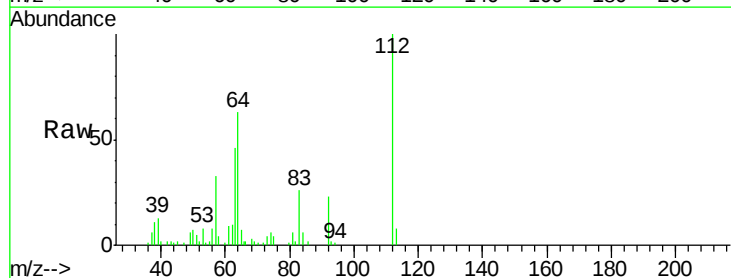
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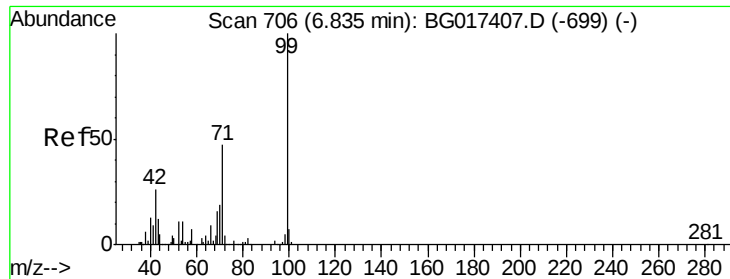


#5

2-Fluorophenol
Concen: 19.30 ng
RT: 5.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG017565.D
Acq: 9 Jun 2015 8:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	51.6	77.4
63	46.1	33.3	49.9





#7

Phenol-d6

Concen: 18.72 ng

RT: 6.82 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG017565.D

Acq: 9 Jun 2015 8:22

Instrument :

BNA_G

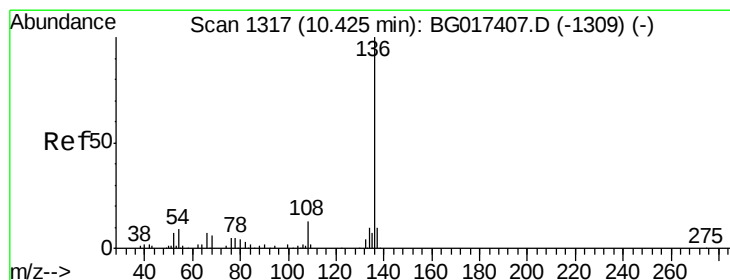
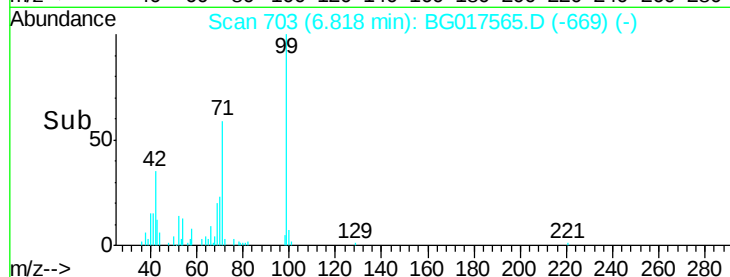
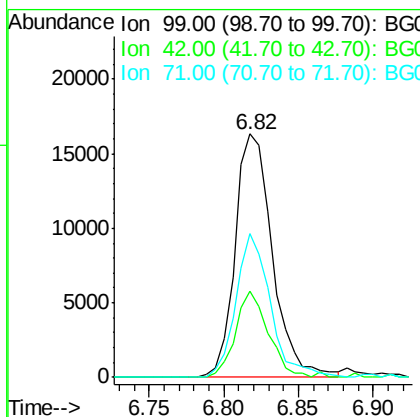
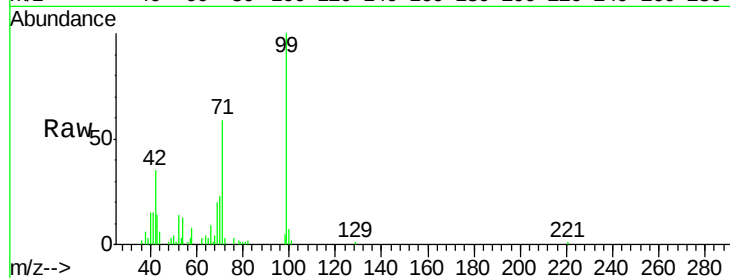
ClientSampleId :

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Tgt Ion:	99	Resp:	28429
Ion Ratio	Lower	Upper	
99	100		
42	35.3	21.0	31.6#
71	59.3	37.2	55.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

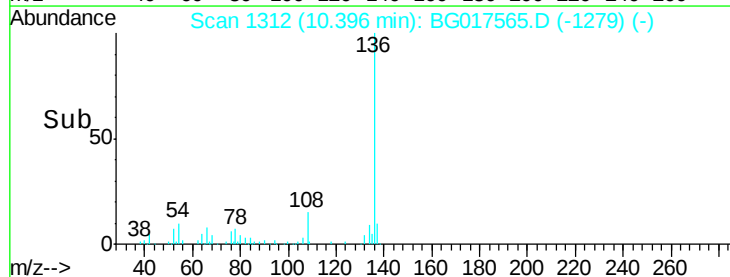
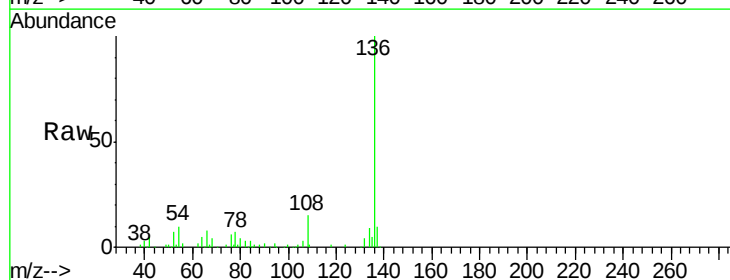
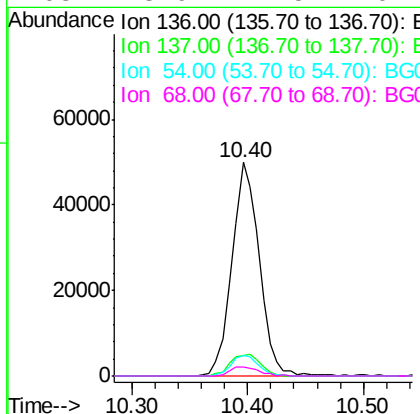
RT: 10.40 min Scan# 1312

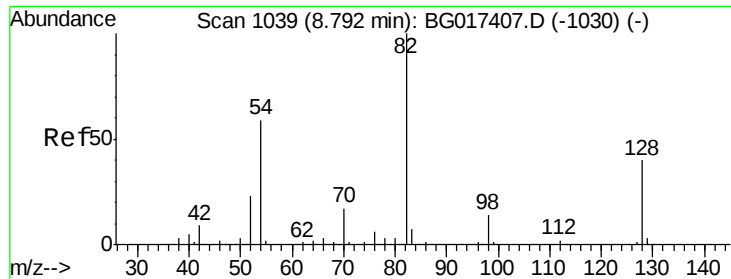
Delta R.T. -0.01 min

Lab File: BG017565.D

Acq: 9 Jun 2015 8:22

Tgt Ion:	136	Resp:	81646
Ion Ratio	Lower	Upper	
136	100		
137	9.5	7.9	11.9
54	9.9	7.2	10.8
68	3.9	4.5	6.7#





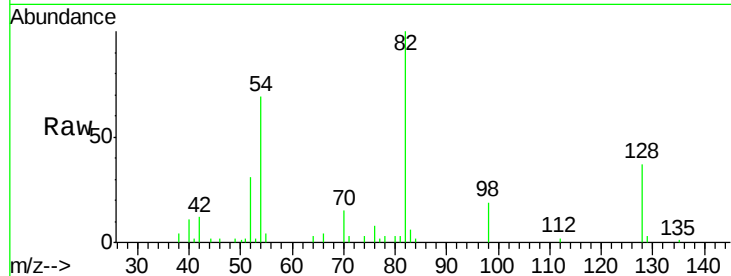
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 Nitrobenzene-d5
 Concen: 13.16 ng
 RT: 8.77 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG017565.D
 Acq: 9 Jun 2015 8:22

Instrument :
 BNA_G
 ClientSampleId :
 TS16.4(3)DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	21525		
128	37.3	32.2	48.4	
54	68.8	47.4	71.2	

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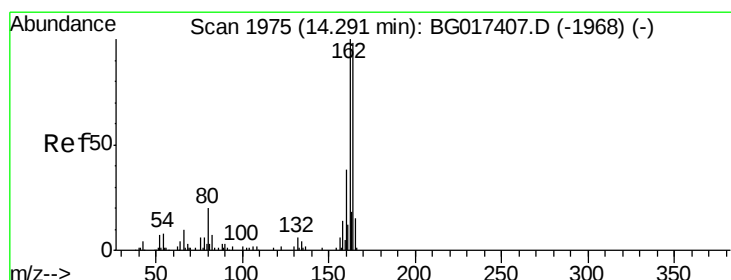
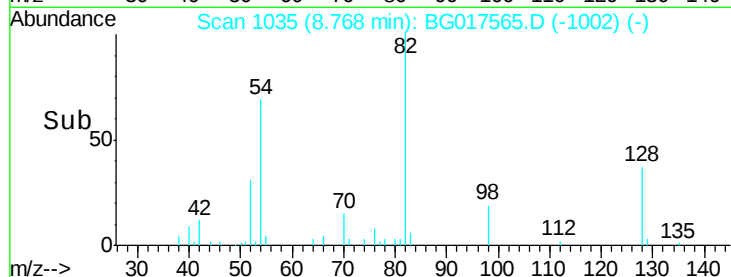
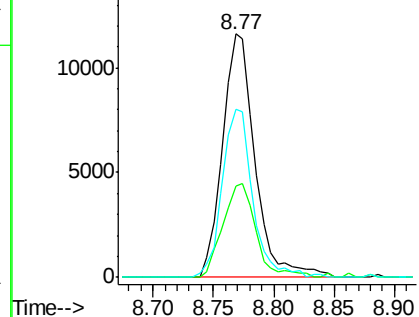


Abundance

Ion 82.00 (81.70 to 82.70): BGC

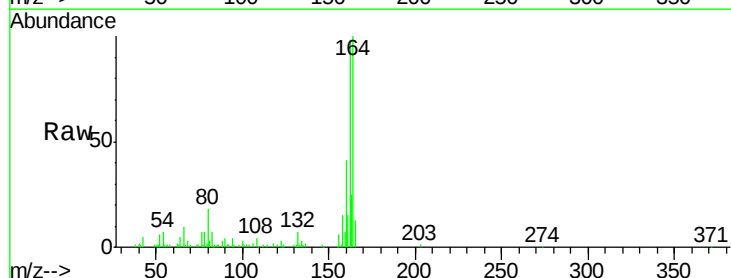
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.27 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BG017565.D
 Acq: 9 Jun 2015 8:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	53096		
162	97.6	81.8	122.6	
160	41.0	31.0	46.4	

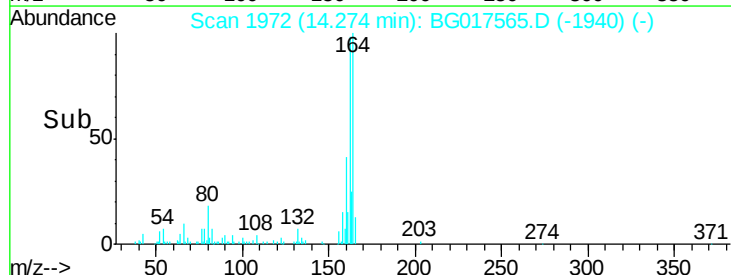
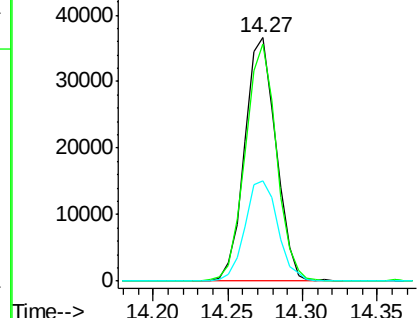


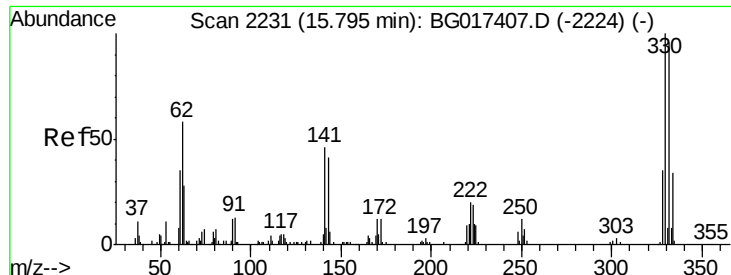
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





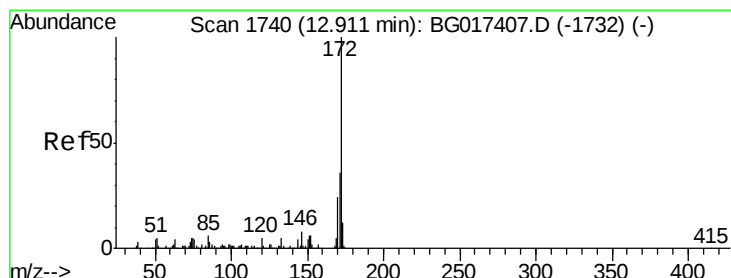
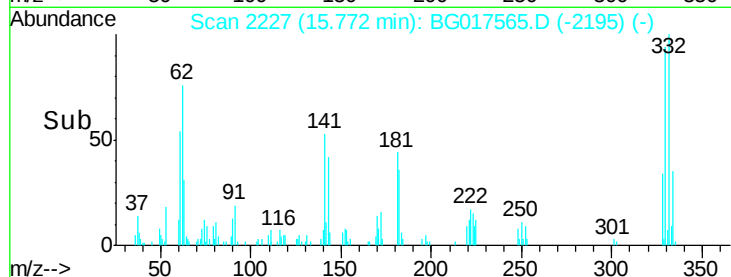
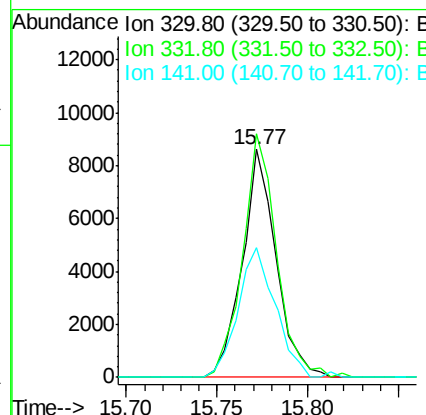
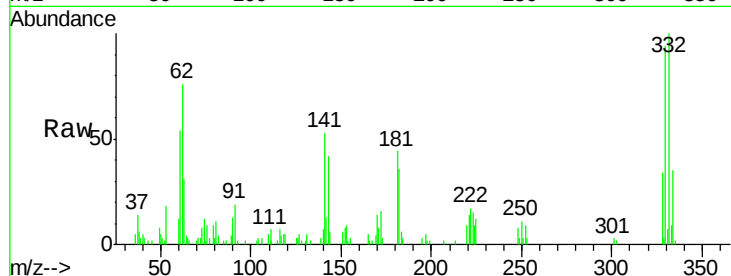
#41
 2,4,6-Tribromophenol
 Concen: 15.05 ng
 RT: 15.77 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG017565.D
 Acq: 9 Jun 2015 8:22

Instrument :
 BNA_G
 ClientSampleId :
 TS16.4(3)DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	11097		
332	107.8	75.9	113.9	
141	62.8	40.2	60.4	

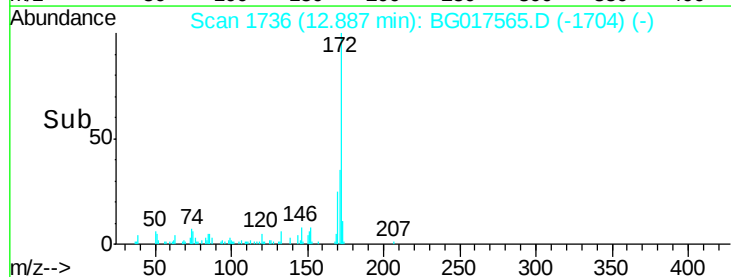
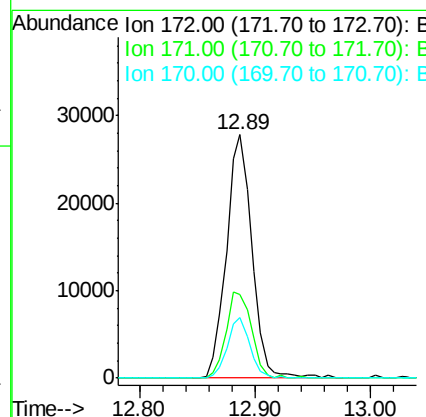
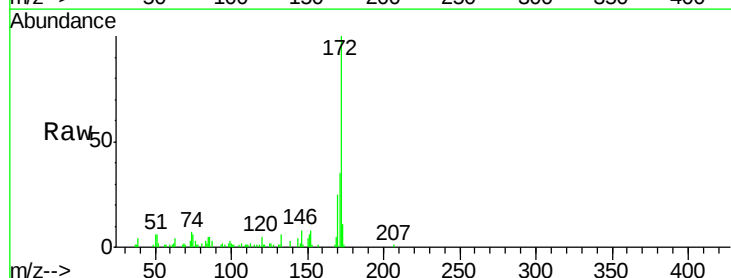
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#44
 2-Fluorobiphenyl
 Concen: 12.07 ng
 RT: 12.89 min Scan# 1736
 Delta R.T. -0.01 min
 Lab File: BG017565.D
 Acq: 9 Jun 2015 8:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	42479		
171	34.5	29.0	43.6	
170	24.7	18.9	28.3	





#49

Dimethylphthalate

Concen: 4.30 ng

RT: 13.73 min Scan# 1880

Delta R.T. -0.02 min

Lab File: BG017565.D

Acq: 9 Jun 2015 8:22

Instrument :

BNA_G

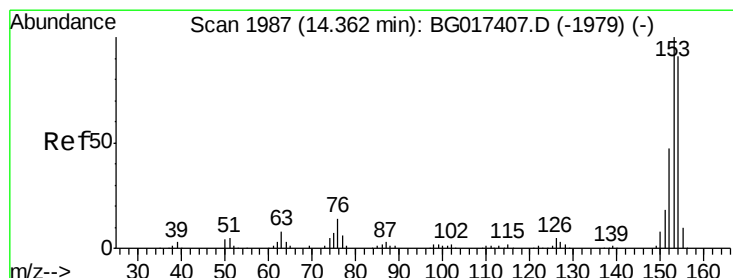
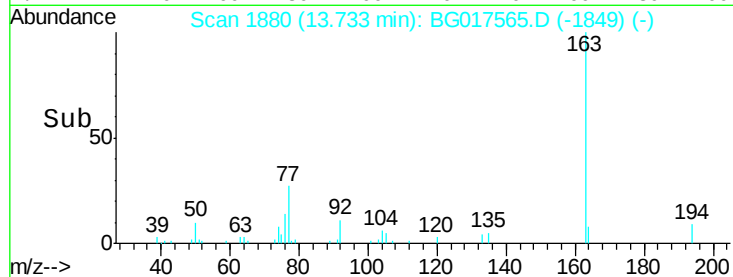
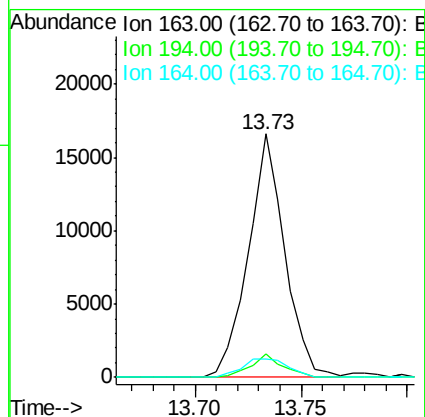
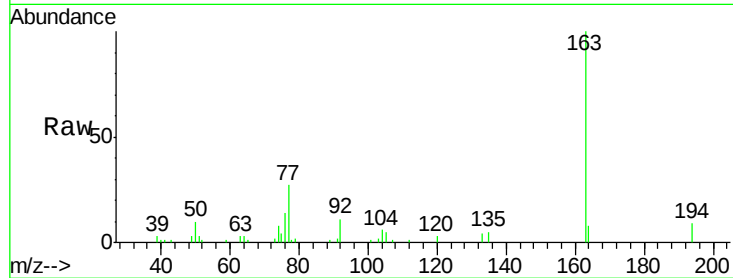
ClientSampleId :

TS16.4(3)DL

Tgt Ion:	163	Resp:	19878
Ion Ratio	Lower	Upper	
163	100		
194	9.4	4.9	7.3#
164	7.6	8.2	12.2#

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#51

Acenaphthene

Concen: 3.63 ng

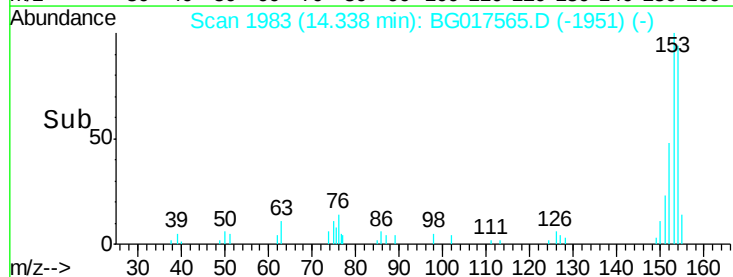
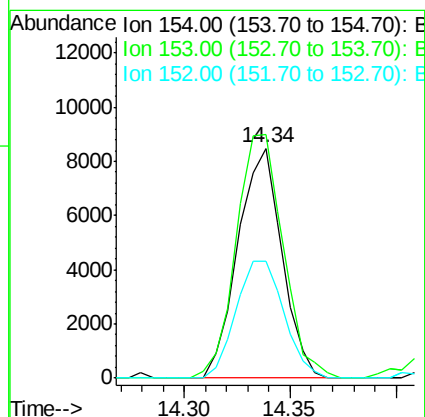
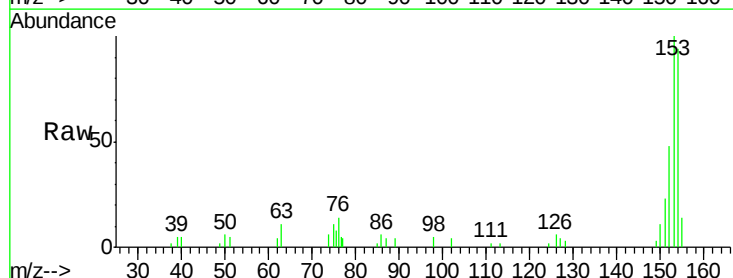
RT: 14.34 min Scan# 1983

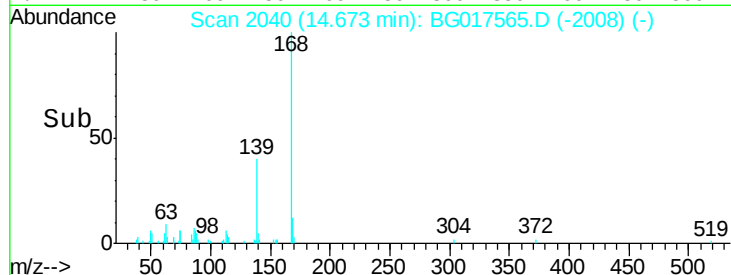
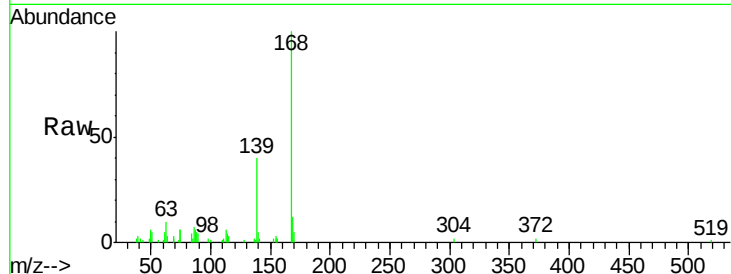
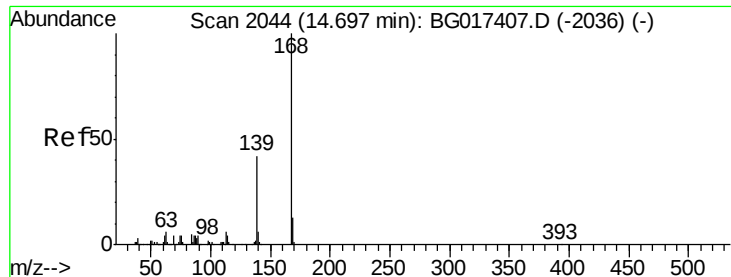
Delta R.T. -0.01 min

Lab File: BG017565.D

Acq: 9 Jun 2015 8:22

Tgt Ion:	154	Resp:	12219
Ion Ratio	Lower	Upper	
154	100		
153	105.8	87.7	131.5
152	50.7	40.8	61.2





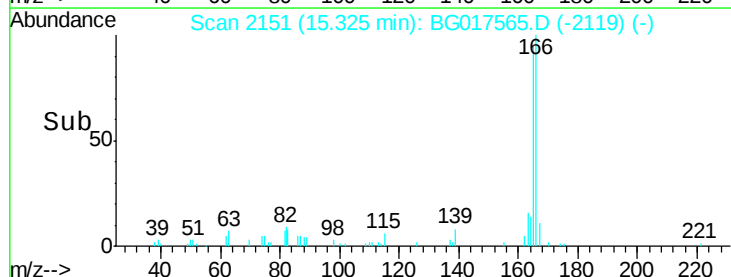
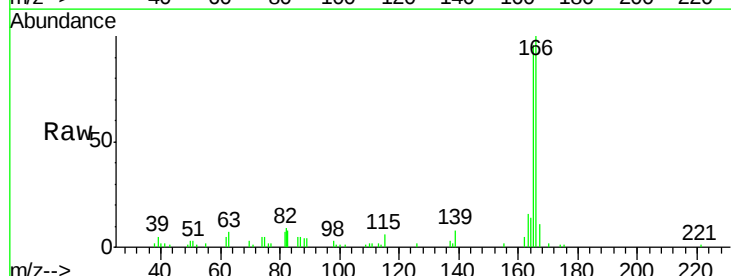
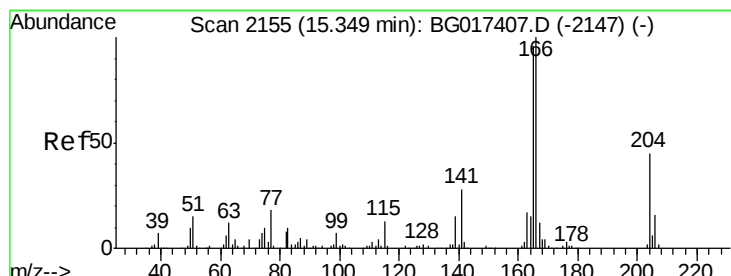
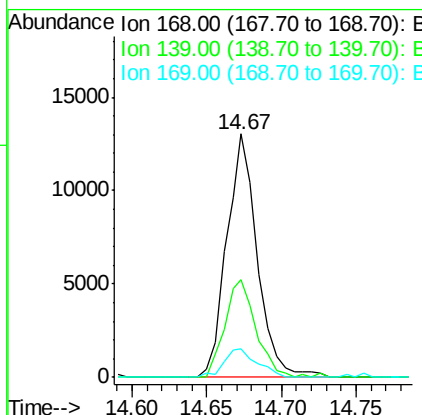
#54
Dibenzofuran
Concen: 3.76 ng
RT: 14.67 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BG017565.D
Acq: 9 Jun 2015 8:22

Instrument :
BNA_G
ClientSampleId :
TS16.4(3)DL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.1	33.2	49.8
169	12.0	10.6	16.0

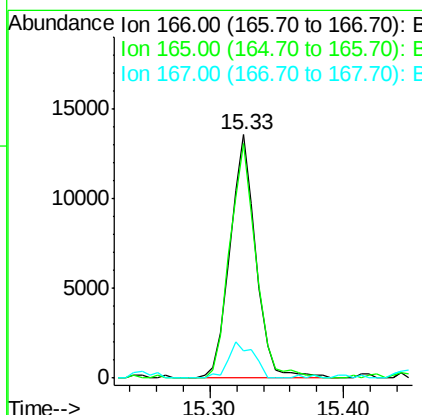
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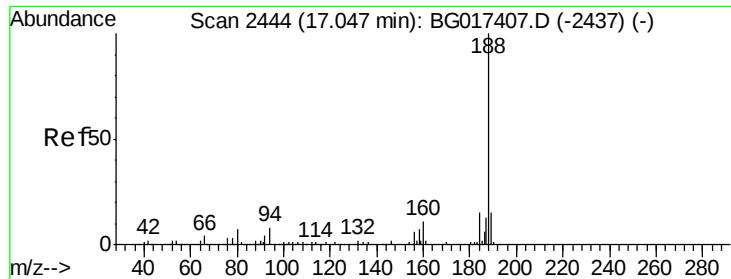
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#57
Fluorene
Concen: 4.08 ng
RT: 15.33 min Scan# 2151
Delta R.T. -0.01 min
Lab File: BG017565.D
Acq: 9 Jun 2015 8:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.4	76.8	115.2
167	11.2	9.9	14.9





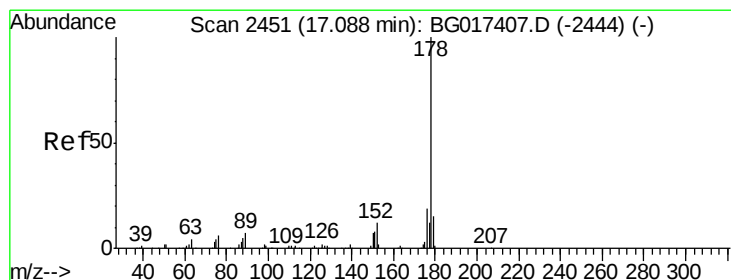
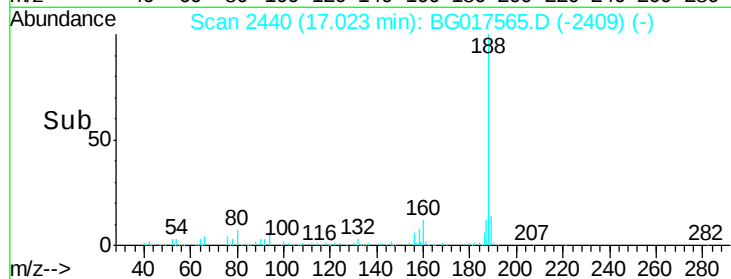
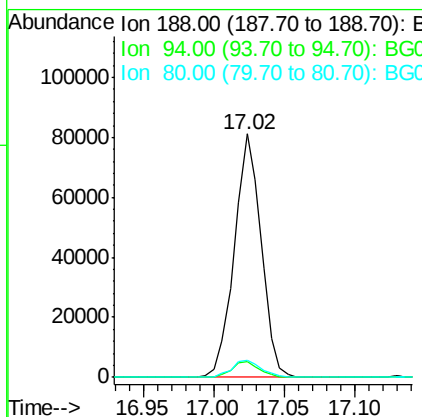
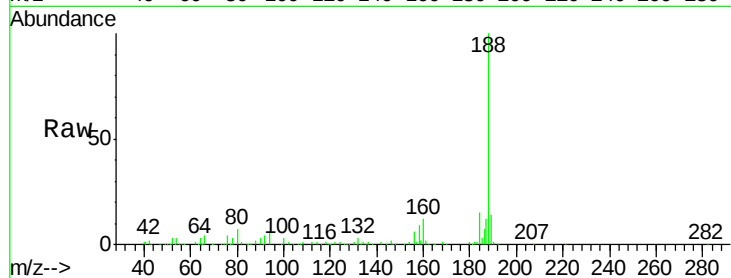
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.02 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BG017565.D
Acq: 9 Jun 2015 8:22

Instrument :
BNA_G
ClientSampleId :
TS16.4(3)DL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	107329		
94	6.4	6.3	9.5	
80	7.0	5.2	7.8	

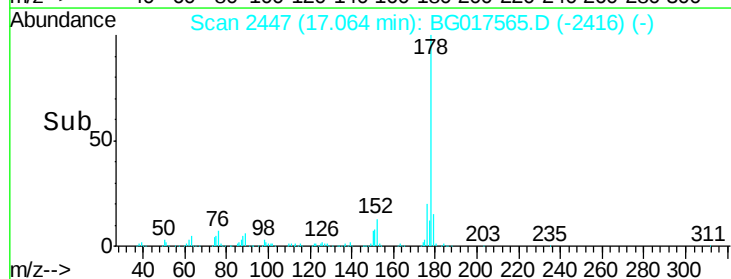
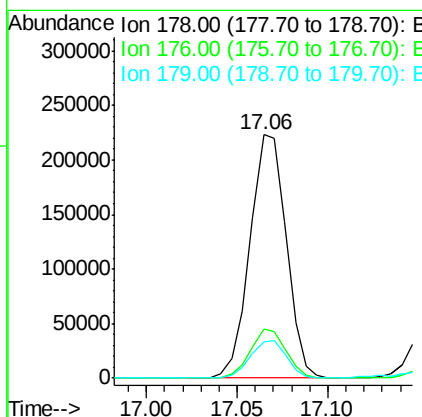
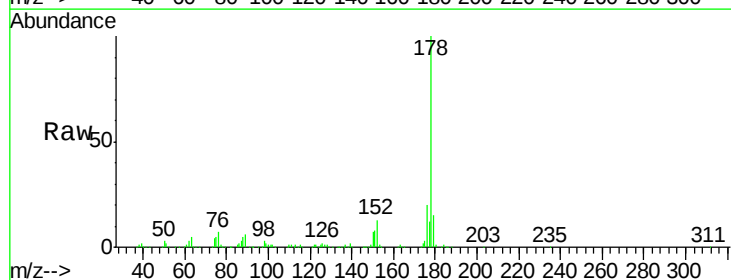
Manual Integrations
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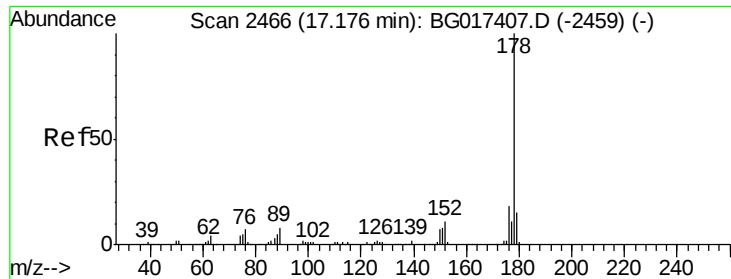
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#70
Phenanthrene
Concen: 52.06 ng
RT: 17.06 min Scan# 2447
Delta R.T. -0.02 min
Lab File: BG017565.D
Acq: 9 Jun 2015 8:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	311566		
176	20.3	15.6	23.4	
179	14.7	12.2	18.2	





#71

Anthracene

Concen: 12.30 ng

RT: 17.16 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BG017565.D

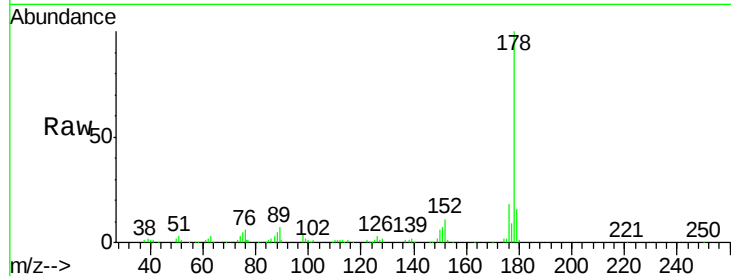
Acq: 9 Jun 2015 8:22

Instrument :

BNA_G

ClientSampleId :

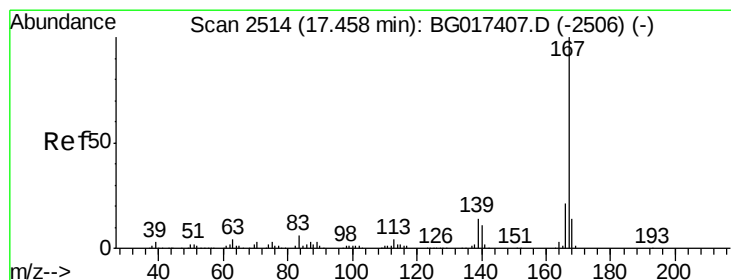
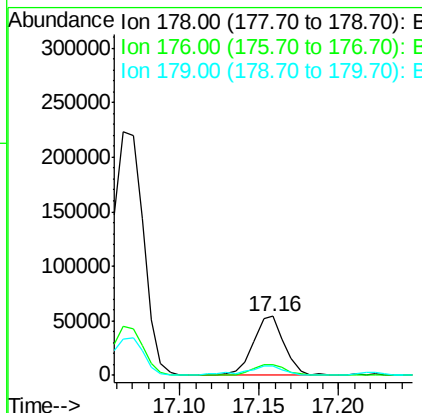
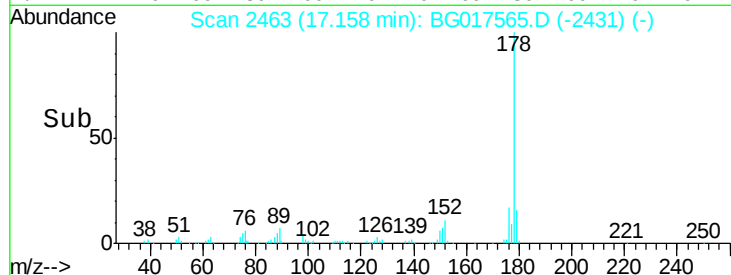
TS16.4(3)DL



Tgt Ion:	178	Resp:	73558
Ion Ratio	Lower	Upper	
178	100		
176	17.5	14.2	21.2
179	16.4	12.2	18.4

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#72

Carbazole

Concen: 4.79 ng

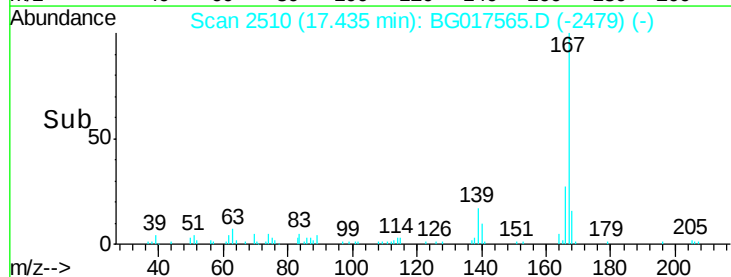
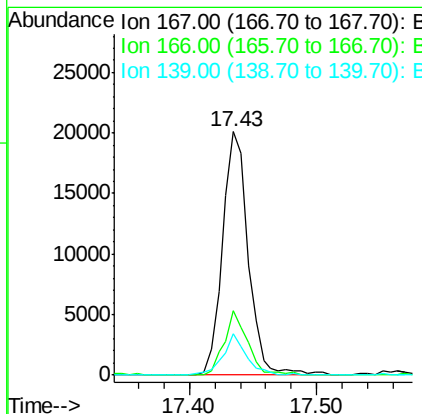
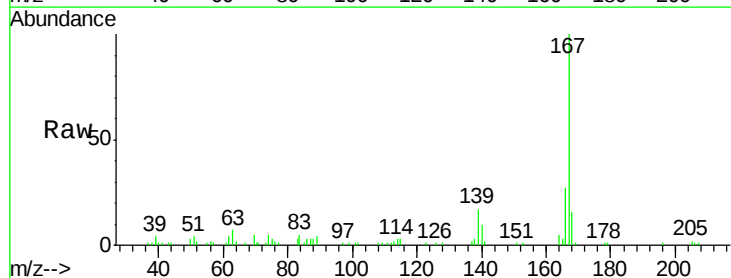
RT: 17.43 min Scan# 2510

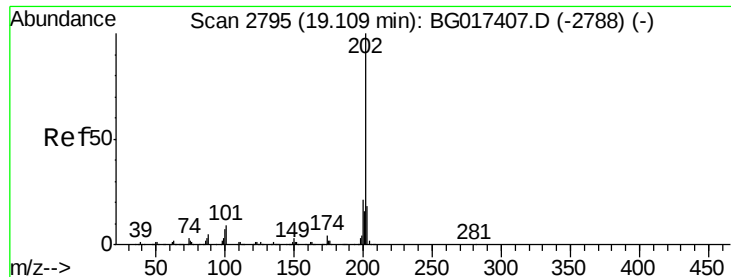
Delta R.T. -0.02 min

Lab File: BG017565.D

Acq: 9 Jun 2015 8:22

Tgt Ion:	167	Resp:	28267
Ion Ratio	Lower	Upper	
167	100		
166	26.5	17.0	25.4#
139	17.1	11.3	16.9#





#74

Fluoranthene

Concen: 49.46 ng

RT: 19.09 min Scan# 2792

Delta R.T. -0.02 min

Lab File: BG017565.D

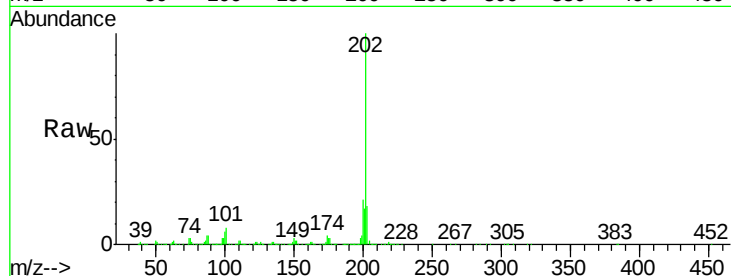
Acq: 9 Jun 2015 8:22

Instrument :

BNA_G

ClientSampleId :

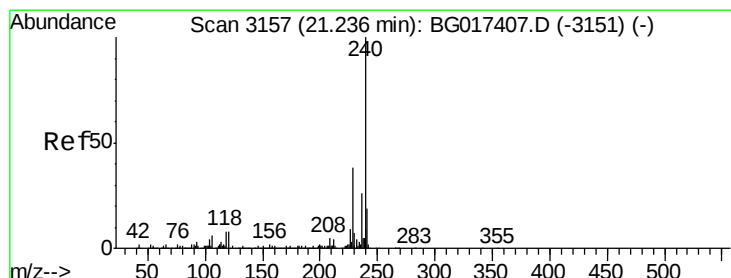
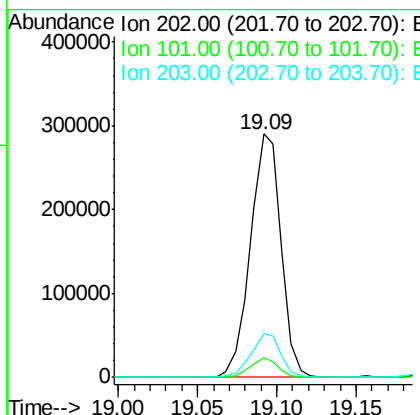
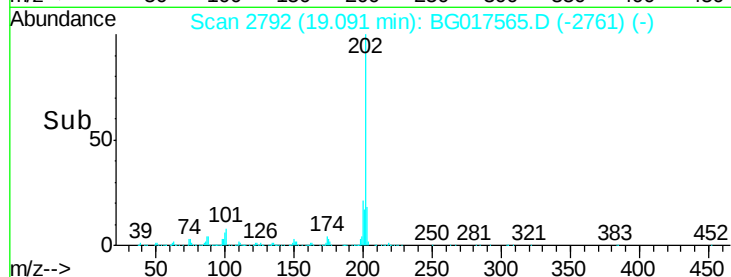
TS16.4(3)DL



Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.0	0.0	28.8
203	17.9	0.0	37.6

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#75

Chrysene-d12

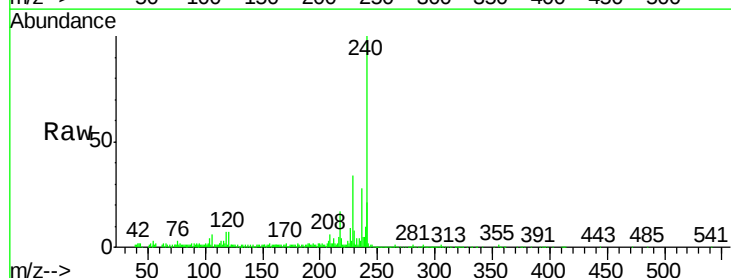
Concen: 20.00 ng

RT: 21.22 min Scan# 3154

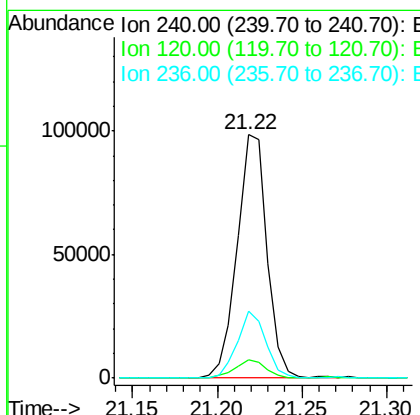
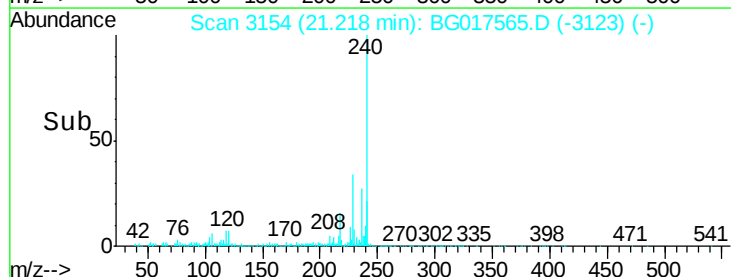
Delta R.T. -0.02 min

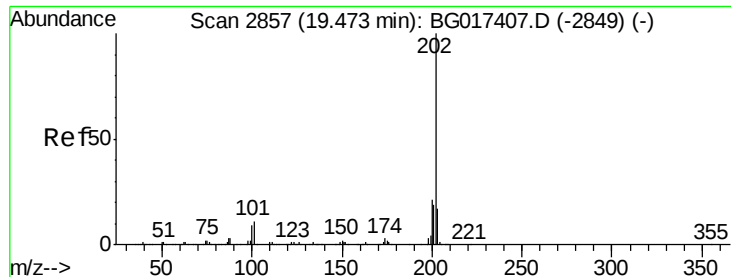
Lab File: BG017565.D

Acq: 9 Jun 2015 8:22



Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	7.5	6.5	9.7
236	27.6	20.8	31.2





#77

Pyrene

Concen: 39.95 ng

RT: 19.46 min Scan# 2854

Delta R.T. -0.02 min

Lab File: BG017565.D

Acq: 9 Jun 2015 8:22

Instrument :

BNA_G

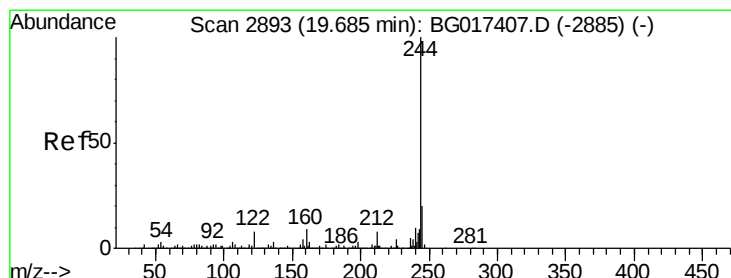
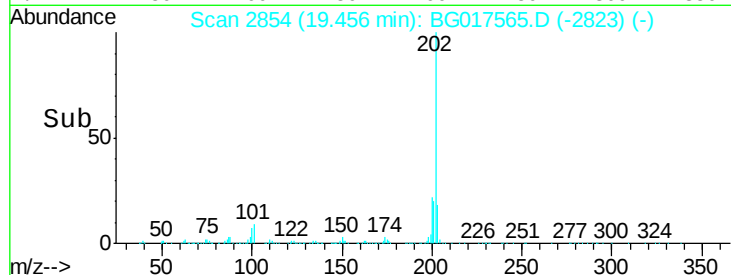
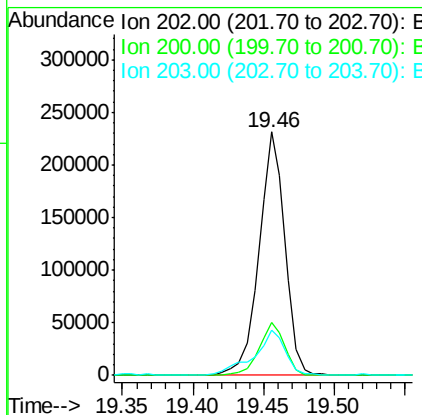
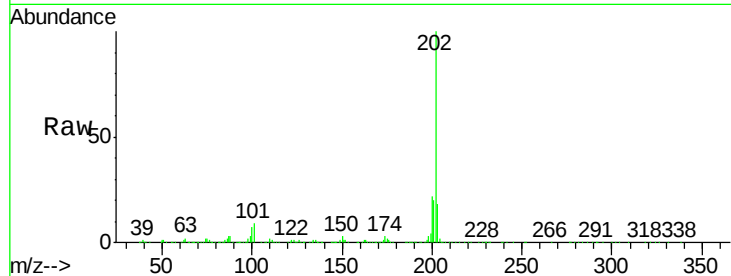
ClientSampleId :

TS16.4(3)DL

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		297515		
200	21.8	17.0	25.4		
203	18.4	13.9	20.9		

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#78

Terphenyl-d14

Concen: 10.04 ng

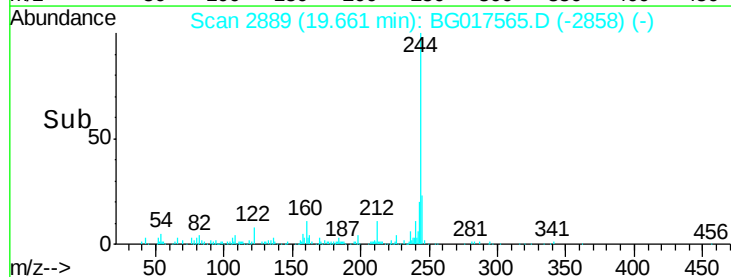
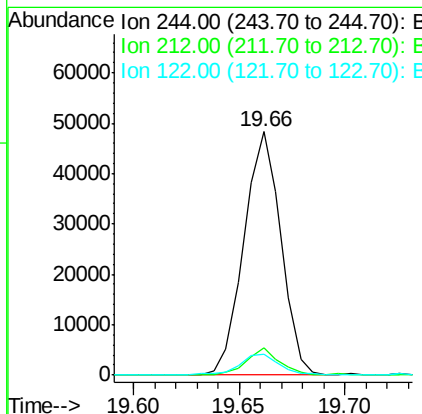
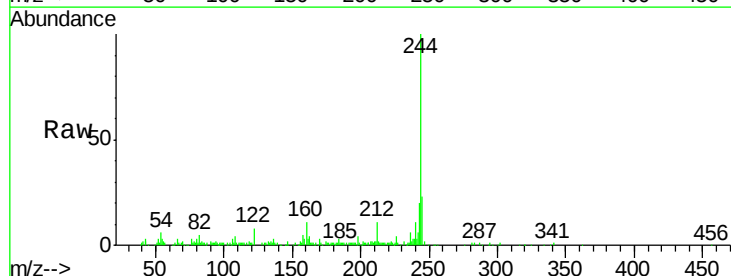
RT: 19.66 min Scan# 2889

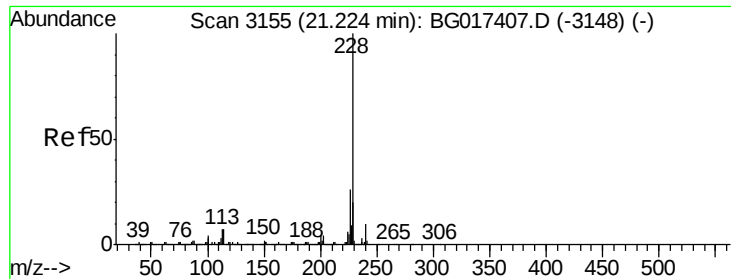
Delta R.T. -0.02 min

Lab File: BG017565.D

Acq: 9 Jun 2015 8:22

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		58746		
212	11.1	6.4	9.6#		
122	8.5	6.6	10.0		





#80

Benzo(a)anthracene

Concen: 20.56 ng

RT: 21.21 min Scan# 3152

Delta R.T. -0.02 min

Lab File: BG017565.D

Acq: 9 Jun 2015 8:22

Instrument :

BNA_G

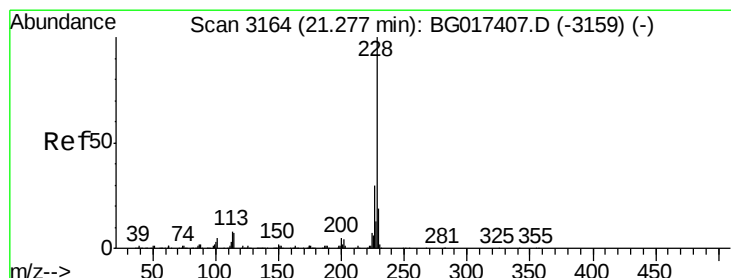
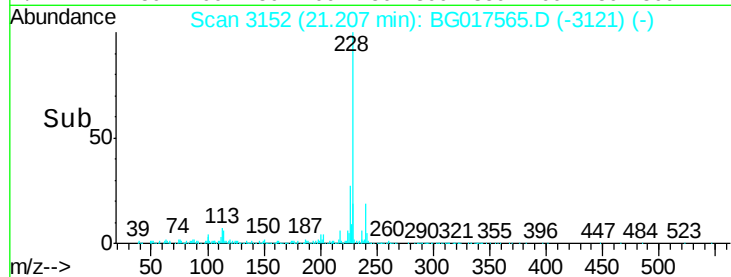
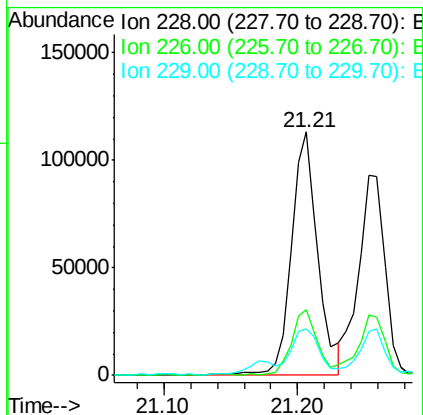
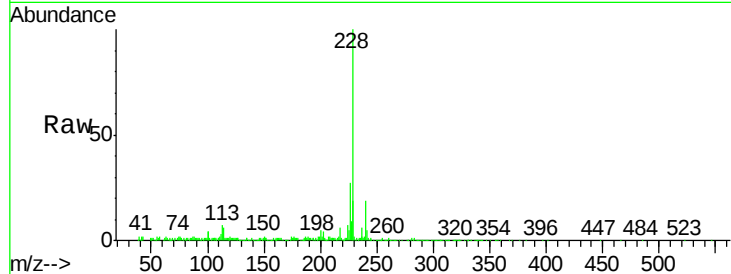
ClientSampleId :

TS16.4(3)DL

Tgt	Ion:228	Resp:	152867
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.0	31.6
229	18.9	15.7	23.5

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#82

Chrysene

Concen: 18.89 ng

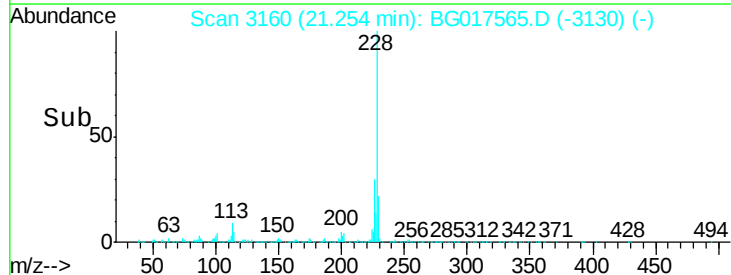
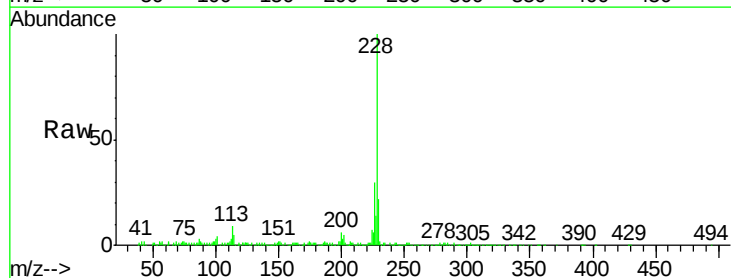
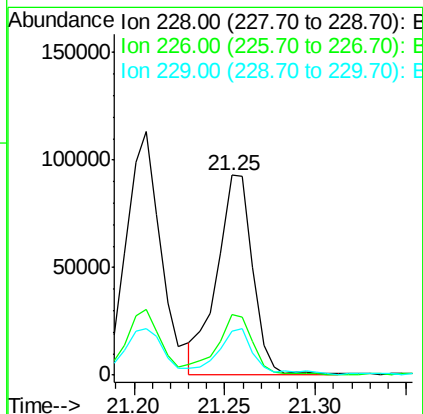
RT: 21.25 min Scan# 3160

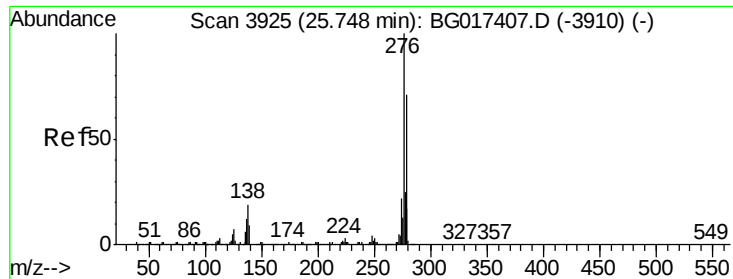
Delta R.T. -0.02 min

Lab File: BG017565.D

Acq: 9 Jun 2015 8:22

Tgt	Ion:228	Resp:	127205
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.7	35.5
229	22.1	15.2	22.8





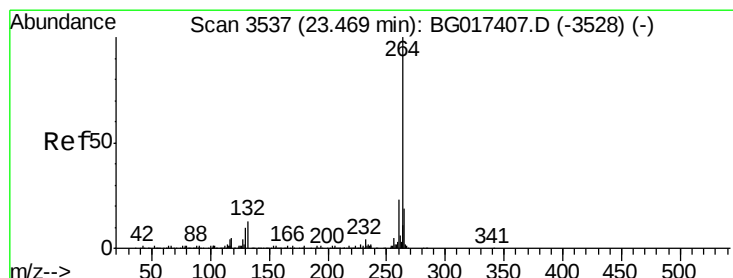
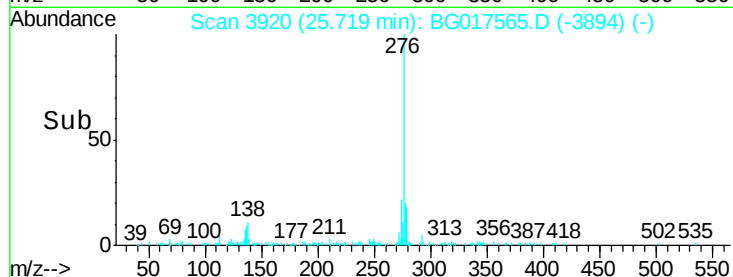
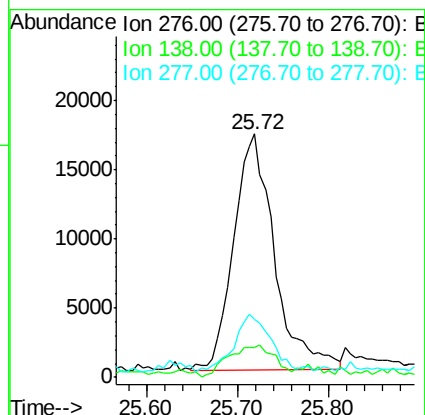
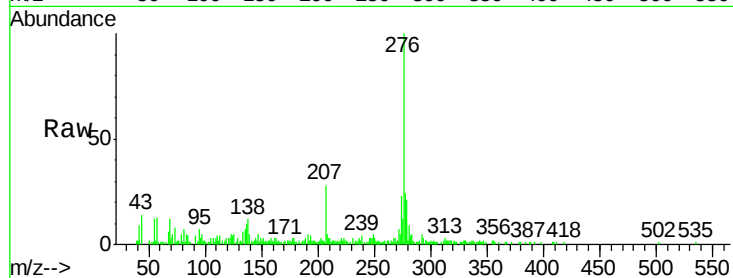
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.29 ng
RT: 25.72 min Scan# 3920
Delta R.T. -0.05 min
Lab File: BG017565.D
Acq: 9 Jun 2015 8:22

Instrument :
BNA_G
ClientSampleId :
TS16.4(3)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.6	15.4	23.0
277	21.3	20.5	30.7

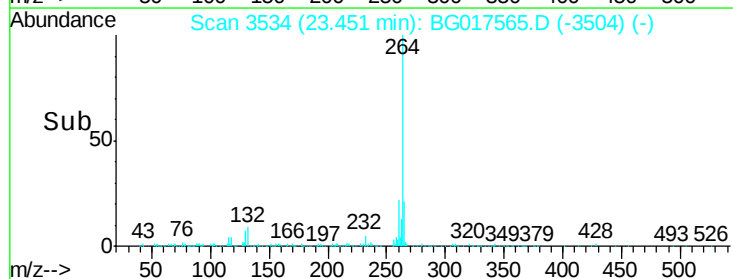
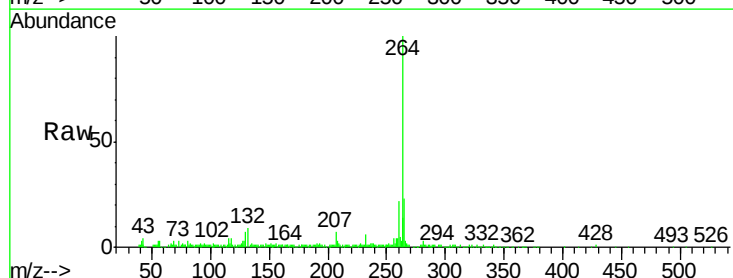
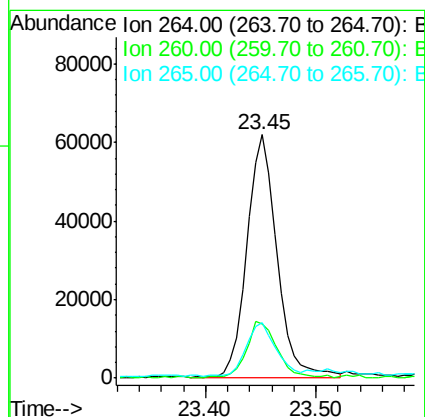
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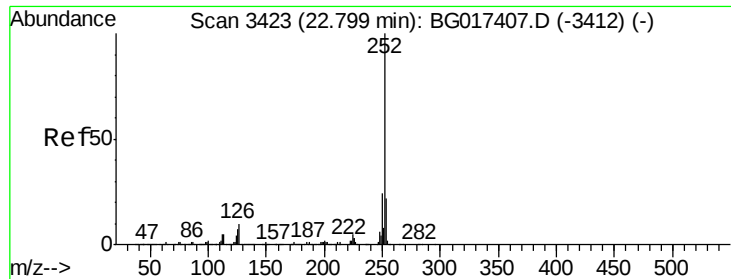
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.45 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG017565.D
Acq: 9 Jun 2015 8:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.4
265	22.6	15.8	23.6





#87

Benzo(b)fluoranthene

Concen: 21.06 ng m

RT: 22.78 min Scan# 3420

Delta R.T. -0.02 min

Lab File: BG017565.D

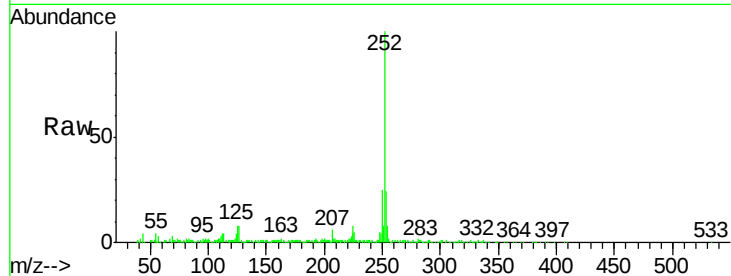
Acq: 9 Jun 2015 8:22

Instrument :

BNA_G

ClientSampleId :

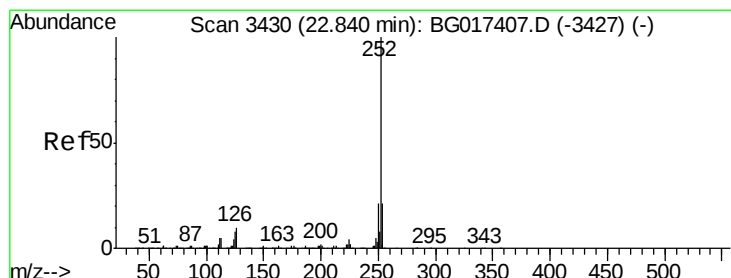
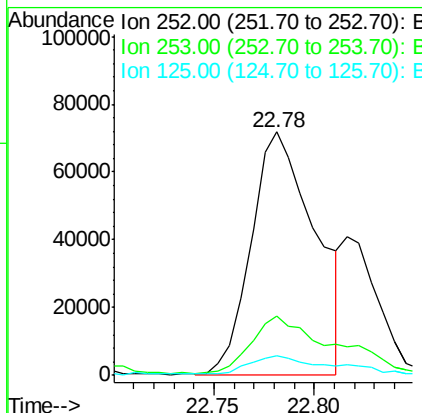
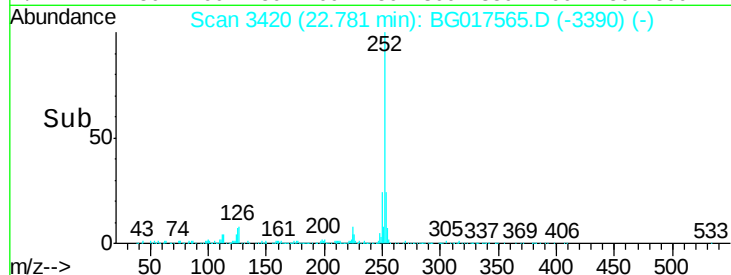
TS16.4(3)DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	7.9	5.8	8.8

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#88

Benzo(k)fluoranthene

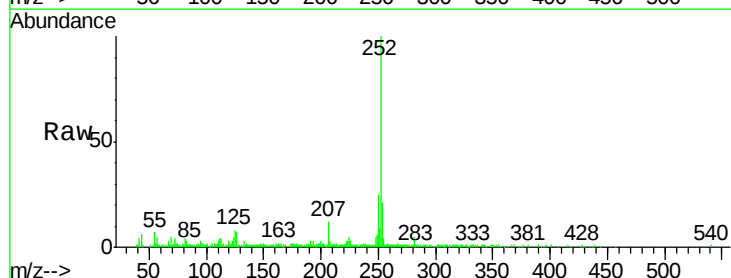
Concen: 7.21 ng m

RT: 22.82 min Scan# 3426

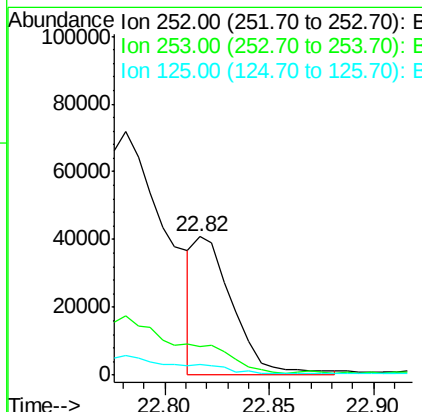
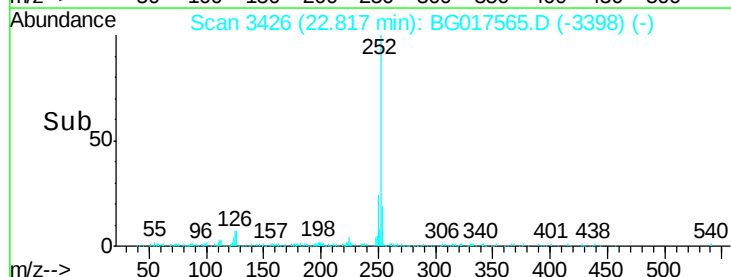
Delta R.T. -0.04 min

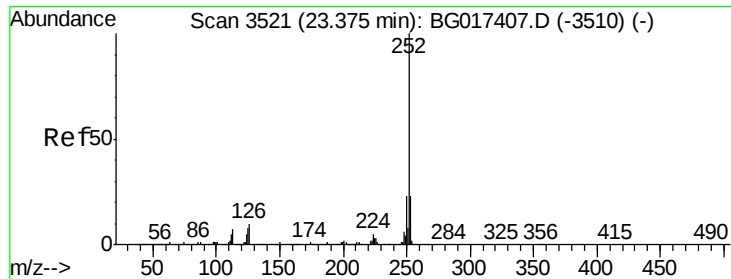
Lab File: BG017565.D

Acq: 9 Jun 2015 8:22



Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.7	26.5
125	7.6	6.5	9.7





#89

Benzo(a)pyrene

Concen: 15.63 ng m

RT: 23.35 min Scan# 3517

Delta R.T. -0.03 min

Lab File: BG017565.D

Acq: 9 Jun 2015 8:22

Instrument :

BNA_G

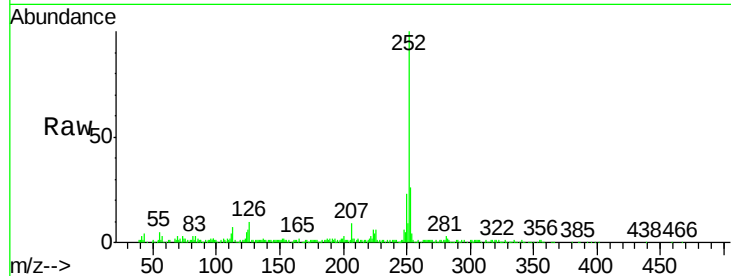
ClientSampleId :

TS16.4(3)DL

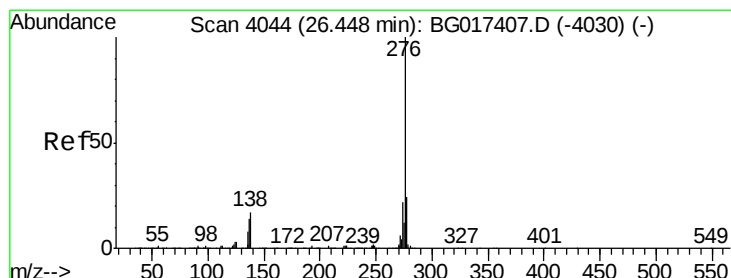
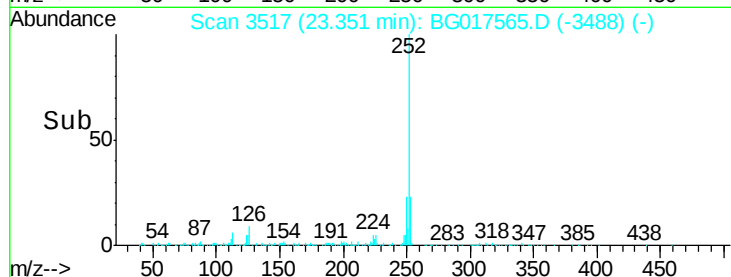
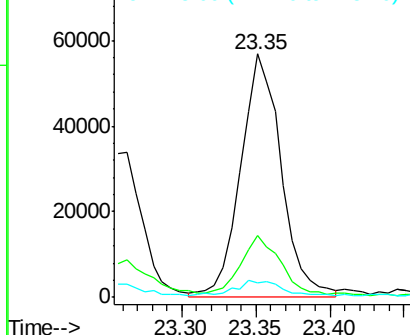
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	108710		
253	25.6	18.1	27.1	
125	6.0	6.5	9.7#	

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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: 6.52 ng

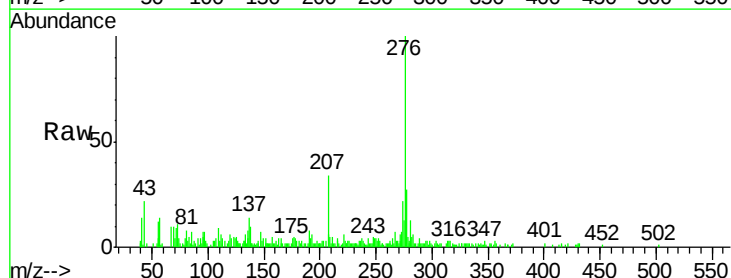
RT: 26.42 min Scan# 4039

Delta R.T. -0.05 min

Lab File: BG017565.D

Acq: 9 Jun 2015 8:22

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	44841		
277	26.7	19.2	28.8	
138	12.3	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

