

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
 Data File : BG017590.D
 Acq On : 10 Jun 2015 2:41
 Operator : TP/IZ
 Sample : G2450-20 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT440NB6.4(2)

Manual Integrations
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Quant Time: Jun 10 11:36:16 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	21009	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	82891	20.00	ng	0.00
38) Acenaphthene-d10	14.24	164	54233	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	120633	20.00	ng	0.00
75) Chrysene-d12	21.20	240	145672	20.00	ng	0.00
86) Perylene-d12	23.42	264	153700	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	64031	53.70	ng	0.00
7) Phenol-d6	6.78	99	82796	50.96	ng	0.00
23) Nitrobenzene-d5	8.73	82	63122	38.01	ng	0.00
41) 2,4,6-Tribromophenol	15.75	330	35685	47.37	ng	0.00
44) 2-Fluorobiphenyl	12.86	172	121470	33.79	ng	0.00
78) Terphenyl-d14	19.64	244	187839	26.65	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	12.04	142	21806	6.55	ng	Qvalue # 83
49) Dimethylphthalate	13.71	163	9674	2.05	ng	# 96
70) Phenanthrene	17.04	178	241018	35.83	ng	97
71) Anthracene	17.13	178	34003m	5.06	ng	
74) Fluoranthene	19.07	202	57681	6.56	ng	91
77) Pyrene	19.43	202	206080	22.96	ng	97
80) Benzo(a)anthracene	21.18	228	50312	5.62	ng	# 78
82) Chrysene	21.24	228	76031	9.37	ng	# 94
85) Indeno(1,2,3-cd)pyrene	25.68	276	28238	2.77	ng	98
87) Benzo(b)fluoranthene	22.75	252	47013m	4.83	ng	
89) Benzo(a)pyrene	23.32	252	53263	5.96	ng	# 89
91) Benzo(g,h,i)perylene	26.36	276	77753	8.80	ng	96

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

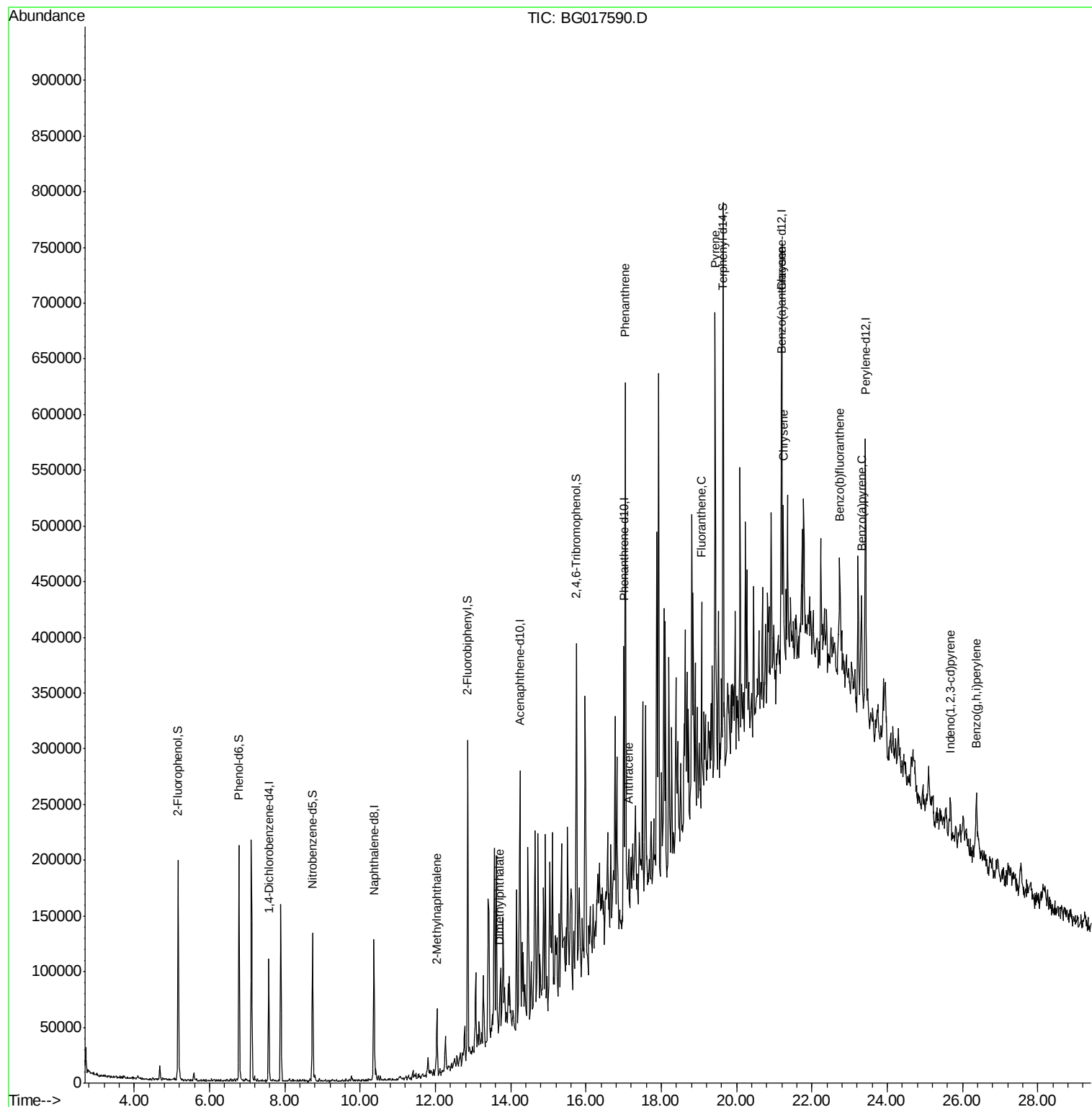
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017590.D
Acq On : 10 Jun 2015 2:41
Operator : TP/IZ
Sample : G2450-20 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

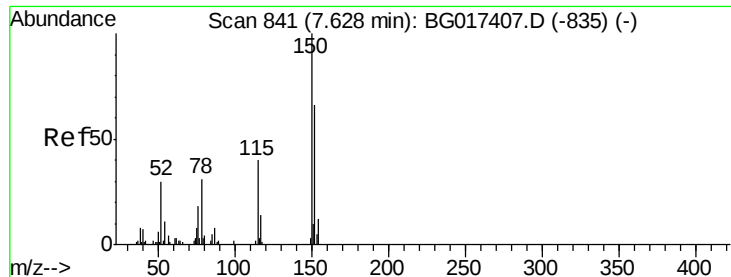
Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

Manual Integrations
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Quant Time: Jun 10 11:36:16 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

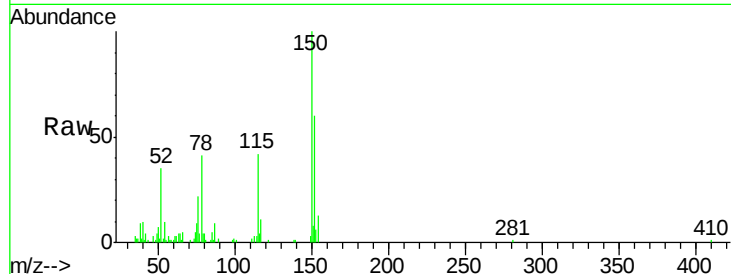
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.57 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	165.3	121.7	182.5
115	70.1	48.6	73.0

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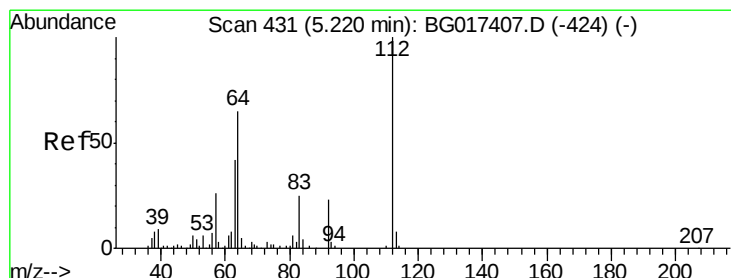
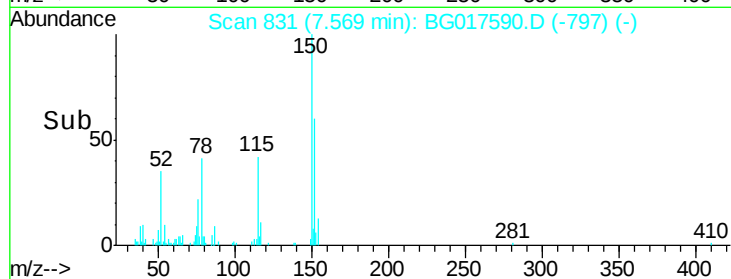
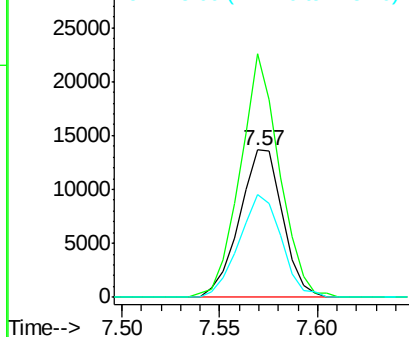


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

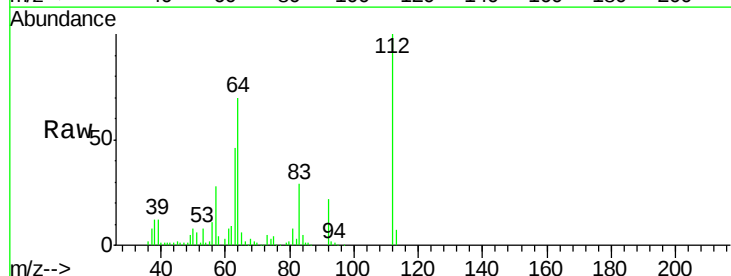
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 53.70 ng
RT: 5.17 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.9	51.6	77.4
63	45.6	33.3	49.9

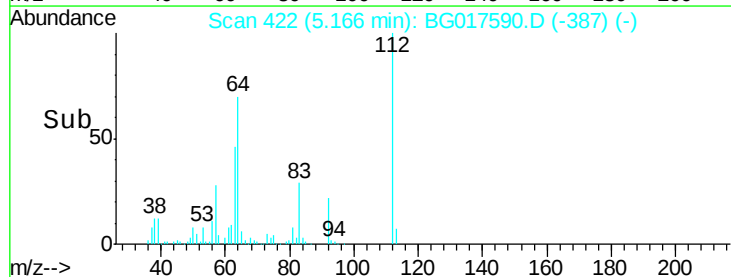
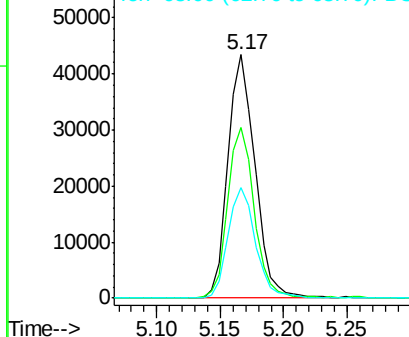


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 50.96 ng

RT: 6.78 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG017590.D

Acq: 10 Jun 2015 2:41

Instrument :

BNA_G

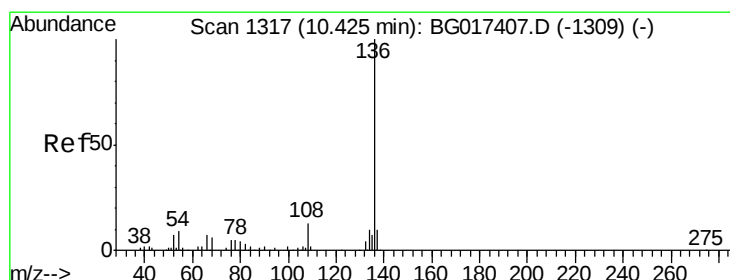
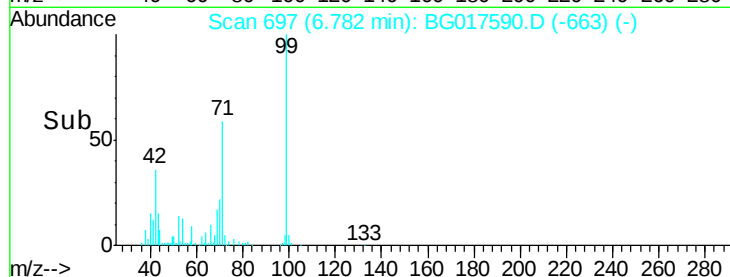
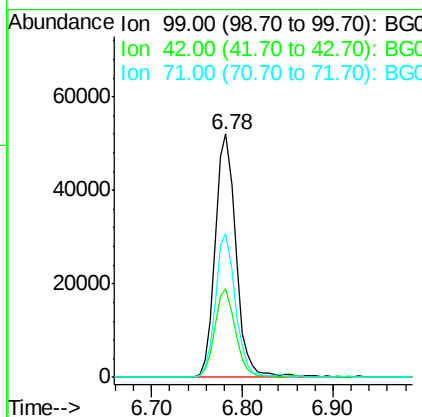
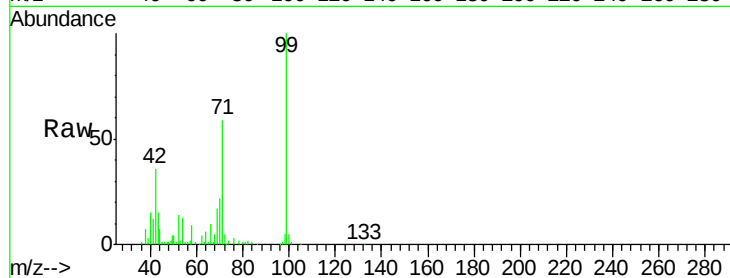
ClientSampleId :

RT440NB6.4(2)

Tgt Ion:	99	Resp:	82796
Ion Ratio	Lower	Upper	
99	100		
42	36.3	21.0	31.6#
71	59.1	37.2	55.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

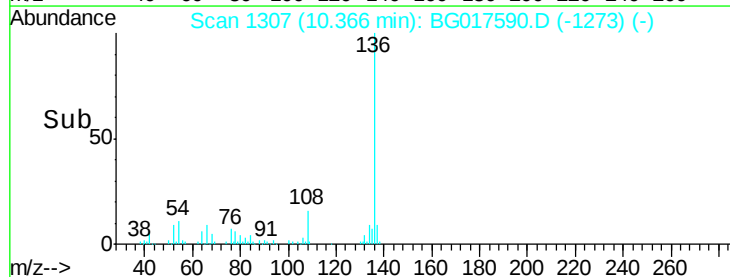
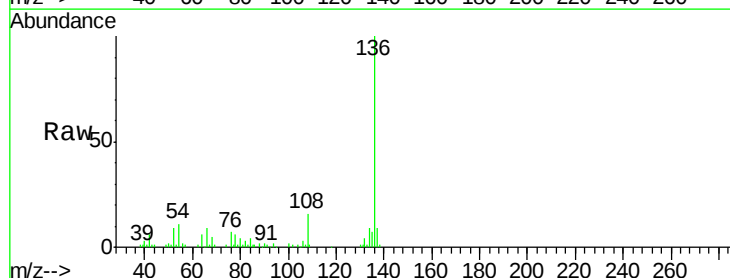
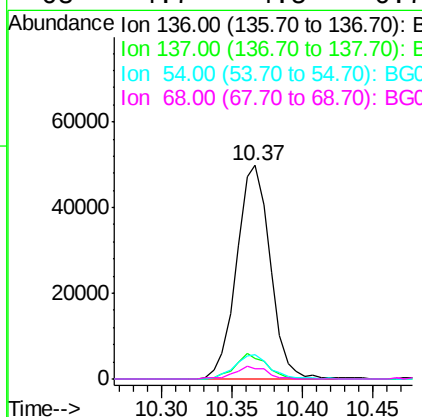
RT: 10.37 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BG017590.D

Acq: 10 Jun 2015 2:41

Tgt Ion:	136	Resp:	82891
Ion Ratio	Lower	Upper	
136	100		
137	9.3	7.9	11.9
54	11.2	7.2	10.8#
68	4.7	4.5	6.7





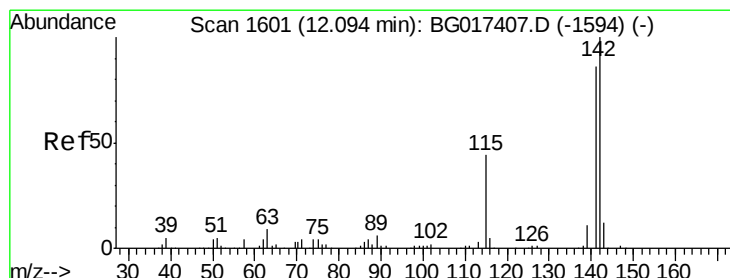
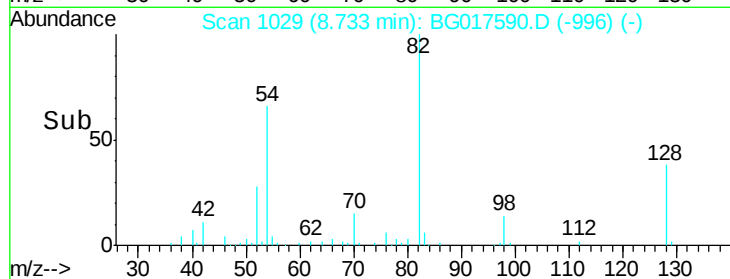
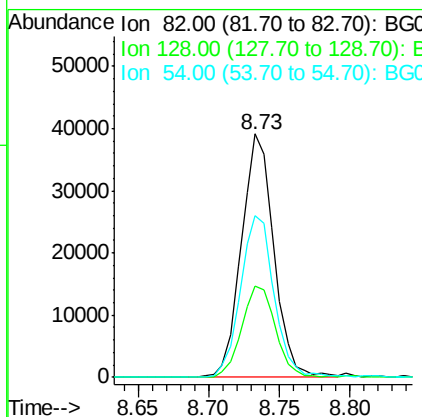
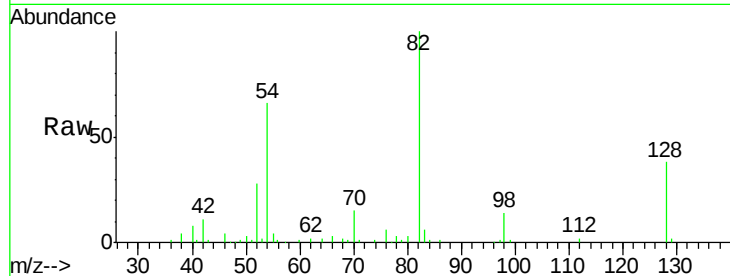
#23
 Nitrobenzene-d5
 Concen: 38.01 ng
 RT: 8.73 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BG017590.D
 Acq: 10 Jun 2015 2:41

Instrument :
 BNA_G
 ClientSampleId :
 RT440NB6.4(2)

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	37.8	32.2	48.4
54	66.3	47.4	71.2

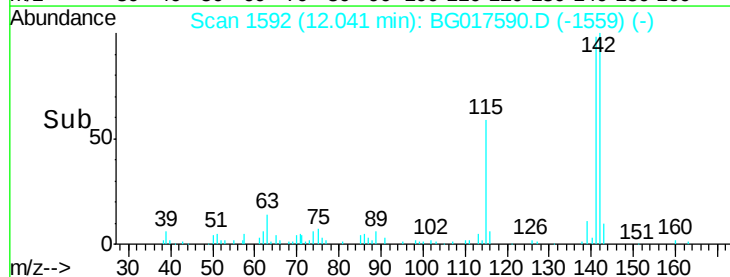
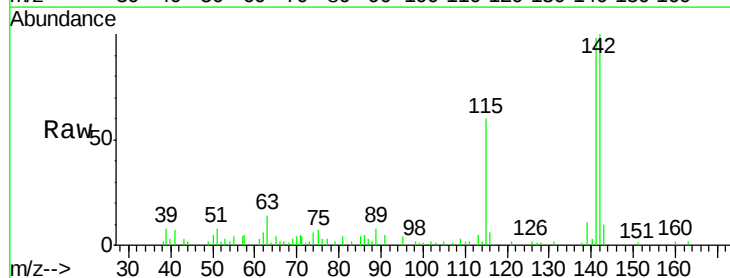
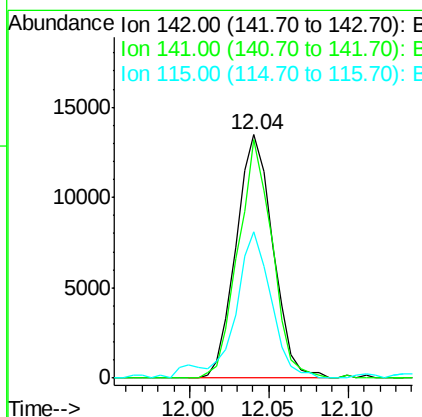
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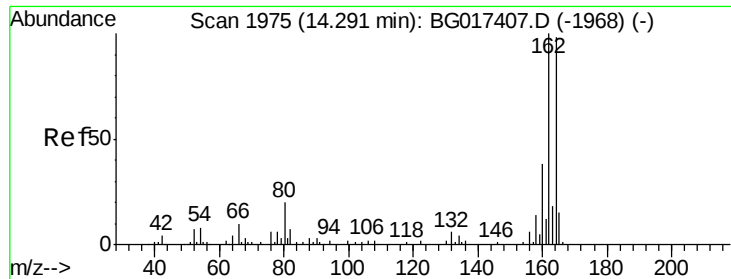
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#37
 2-Methylnaphthalene
 Concen: 6.55 ng
 RT: 12.04 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BG017590.D
 Acq: 10 Jun 2015 2:41

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	98.0	68.6	102.8
115	60.4	35.3	52.9





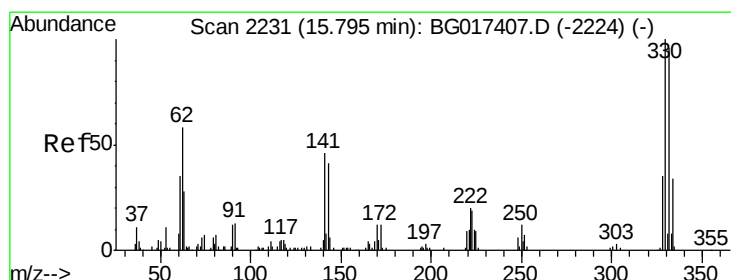
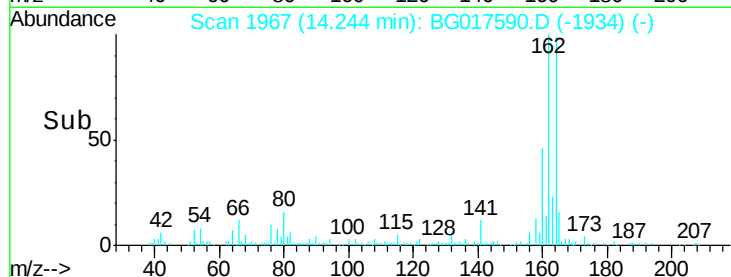
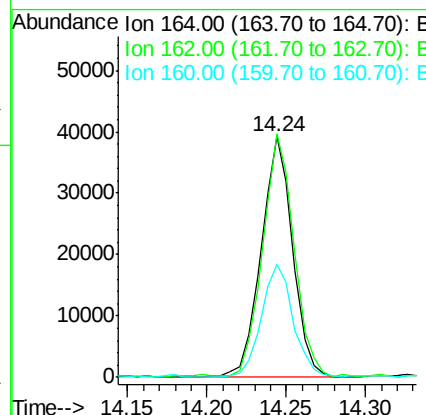
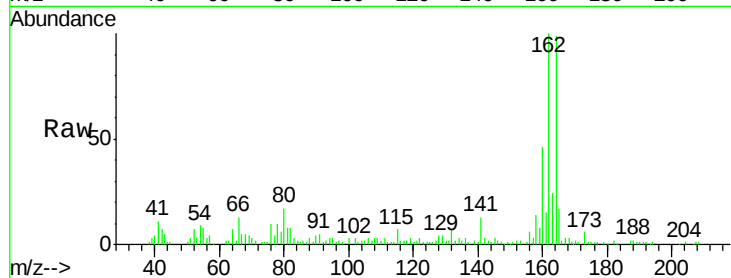
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.24 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	54233	81.8	122.6
160	46.8		31.0	46.4#

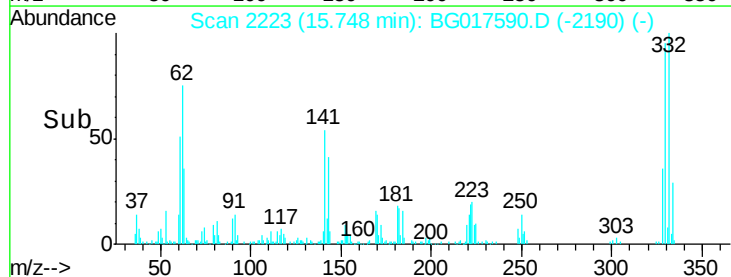
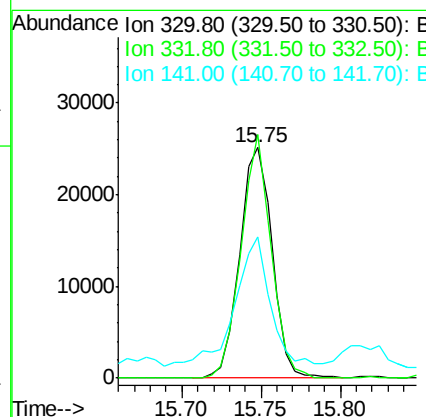
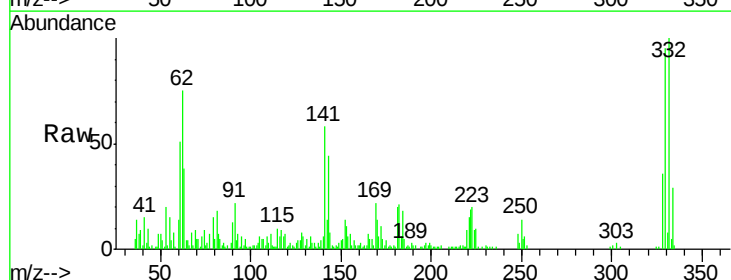
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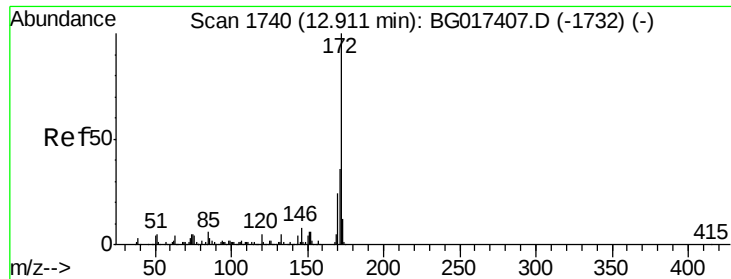
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#41
2,4,6-Tribromophenol
Concen: 47.37 ng
RT: 15.75 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	35685	75.9	113.9
141	63.5		40.2	60.4#





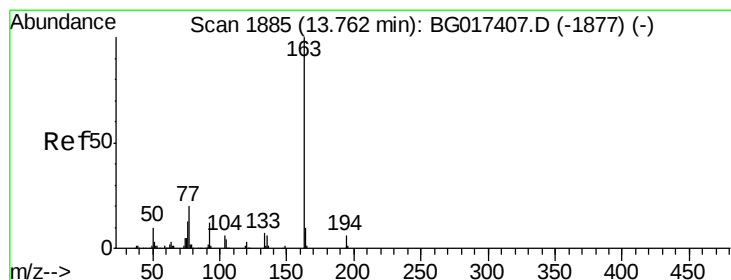
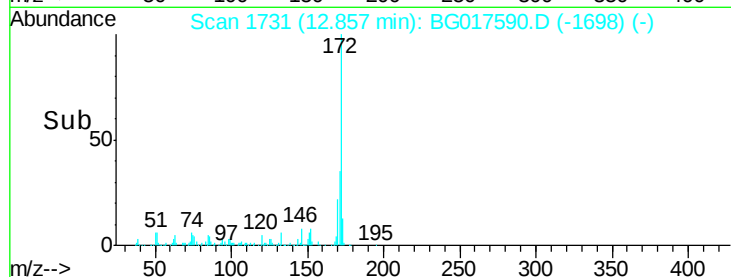
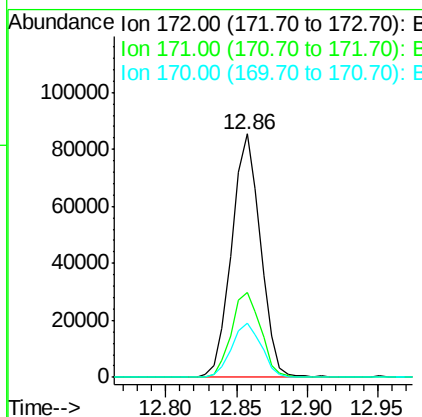
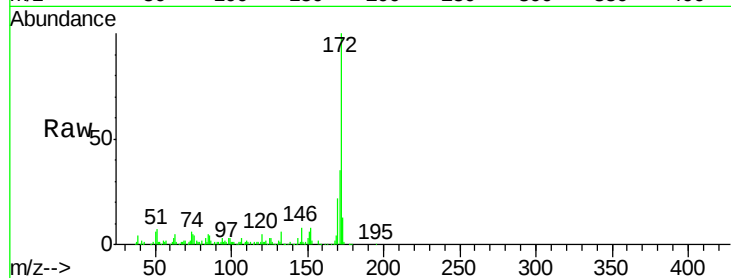
#44
2-Fluorobiphenyl
Concen: 33.79 ng
RT: 12.86 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	121470		
171	34.6	29.0	43.6	
170	22.1	18.9	28.3	

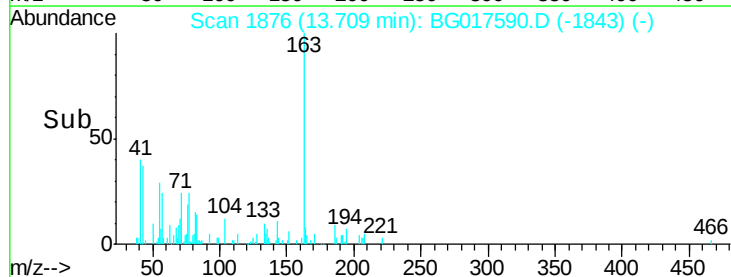
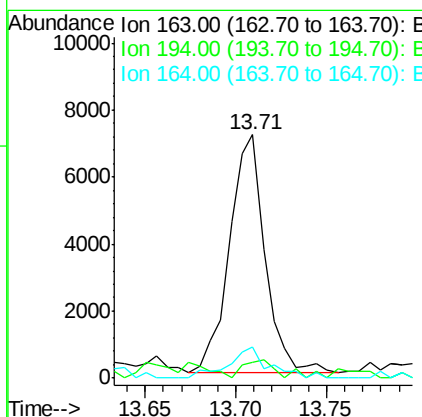
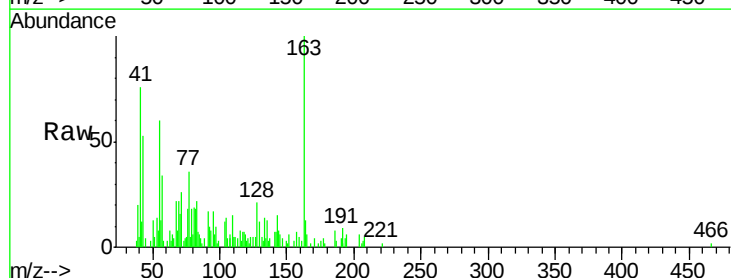
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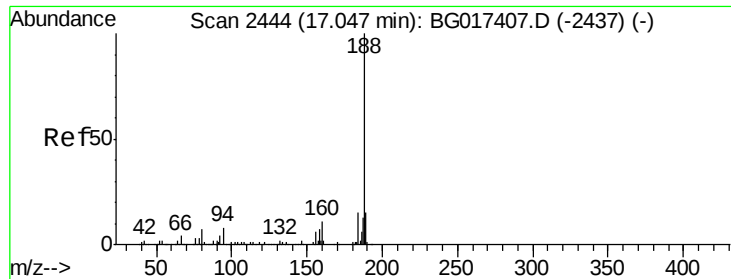
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#49
Dimethylphthalate
Concen: 2.05 ng
RT: 13.71 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	9674		
194	6.5	4.9	7.3	
164	12.6	8.2	12.2#	





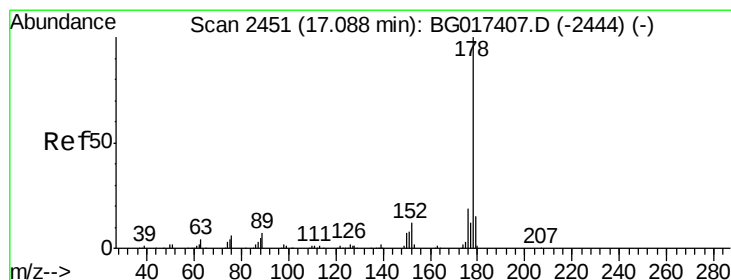
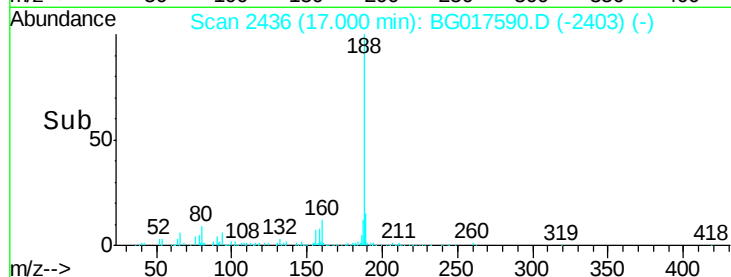
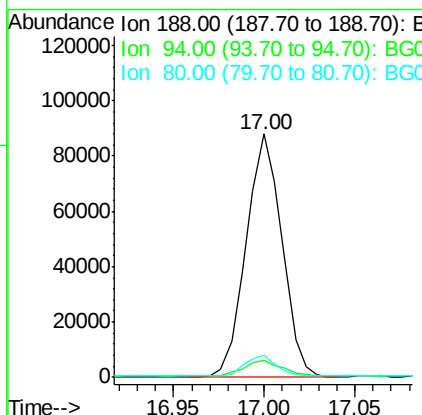
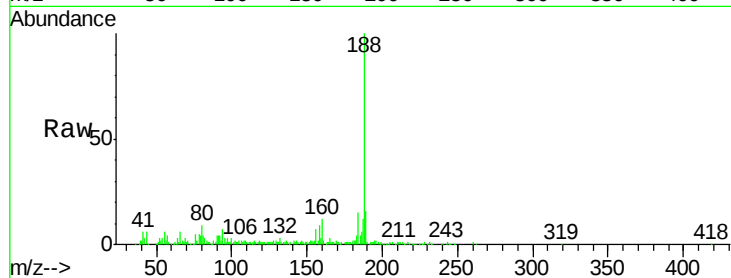
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.00 min Scan# 2436
Delta R.T. -0.01 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.9	6.3	9.5
80	9.2	5.2	7.8

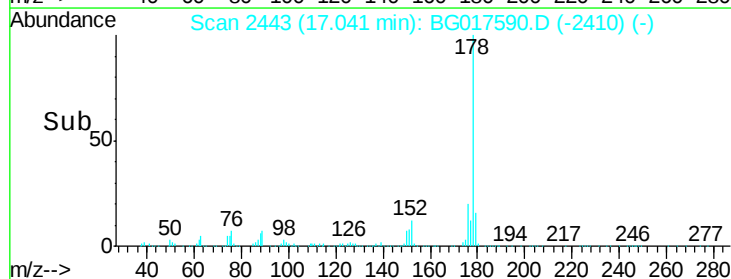
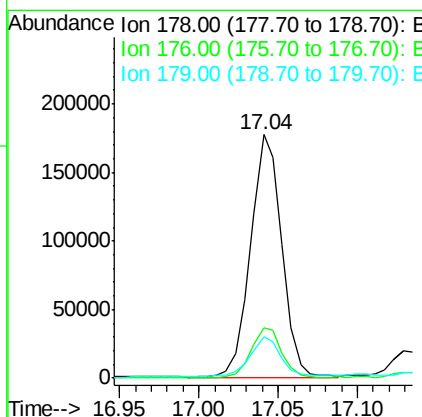
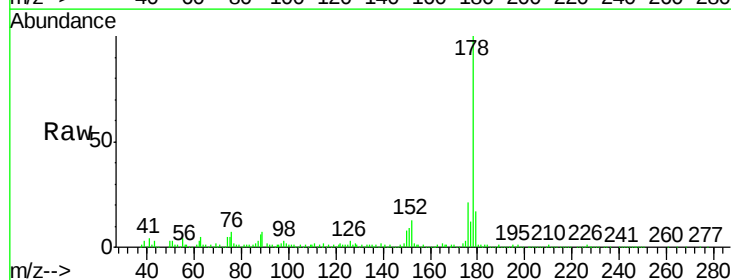
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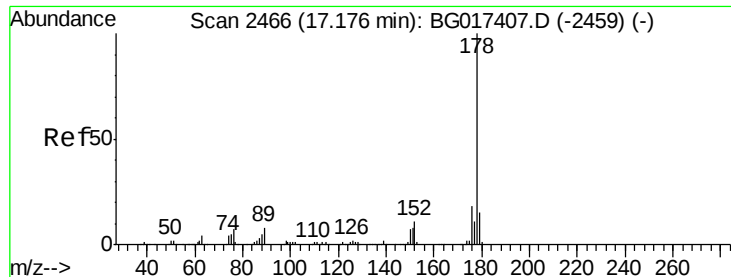
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#70
Phenanthrene
Concen: 35.83 ng
RT: 17.04 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.6	15.6	23.4
179	17.1	12.2	18.2





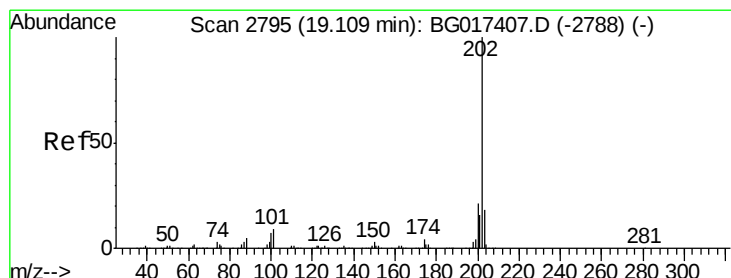
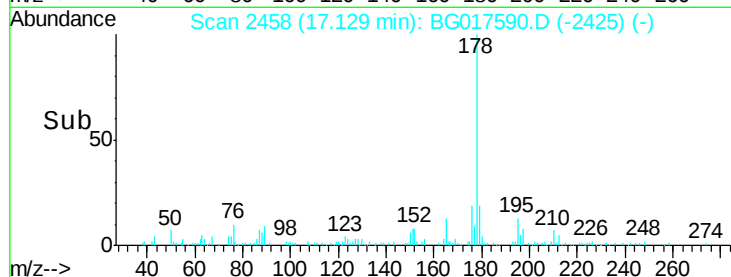
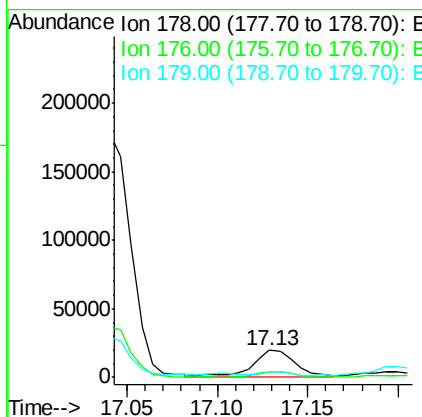
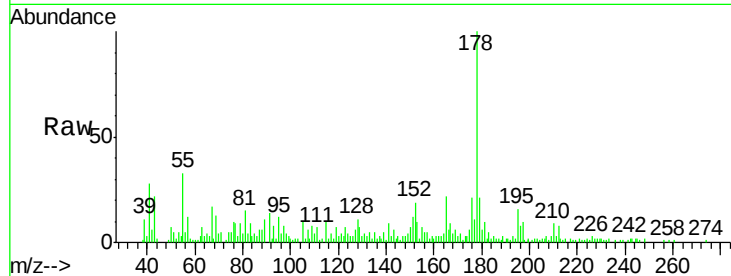
#71
 Anthracene
 Concen: 5.06 ng m
 RT: 17.13 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BG017590.D
 Acq: 10 Jun 2015 2:41

Instrument :
 BNA_G
 ClientSampleId :
 RT440NB6.4(2)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	14.2	21.2
179	21.0	12.2	18.4

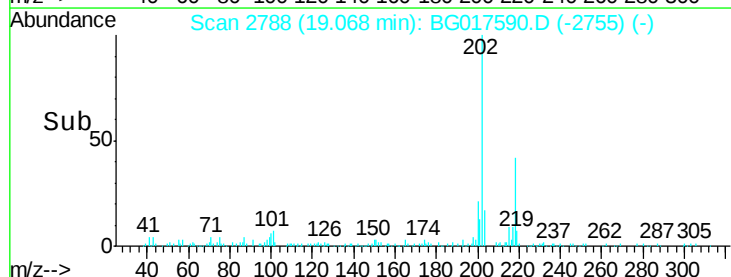
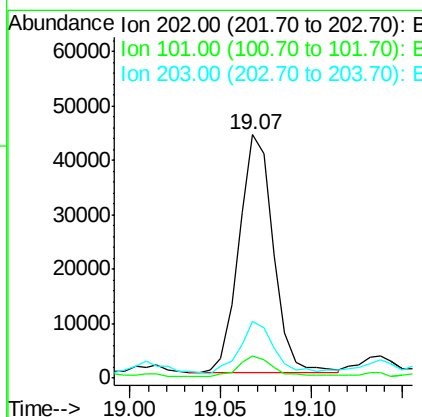
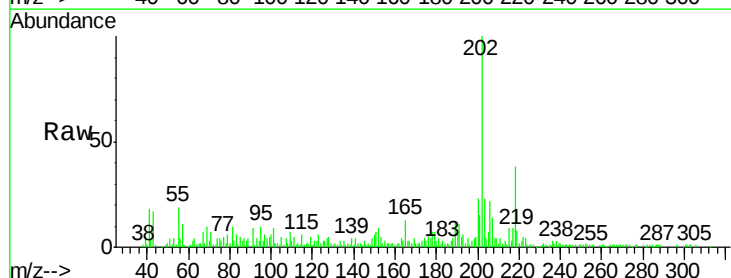
Manual Integrations
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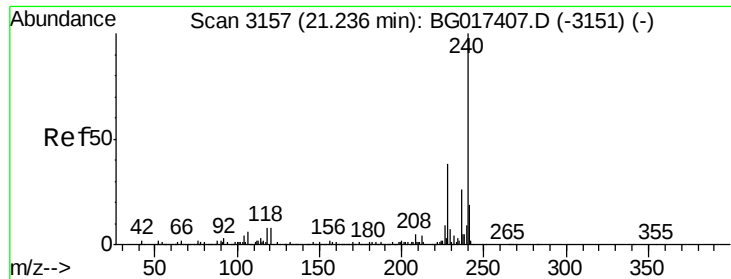
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#74
 Fluoranthene
 Concen: 6.56 ng
 RT: 19.07 min Scan# 2788
 Delta R.T. -0.01 min
 Lab File: BG017590.D
 Acq: 10 Jun 2015 2:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	28.8
203	23.4	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.20 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG017590.D

Acq: 10 Jun 2015 2:41

Instrument :

BNA_G

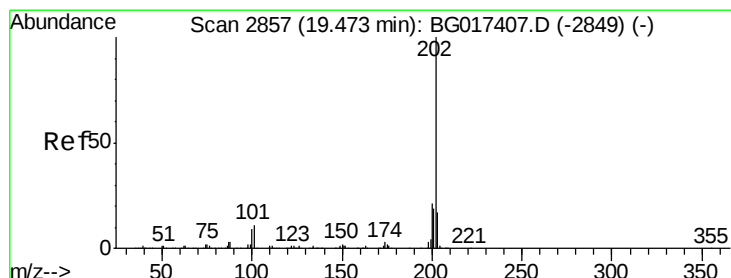
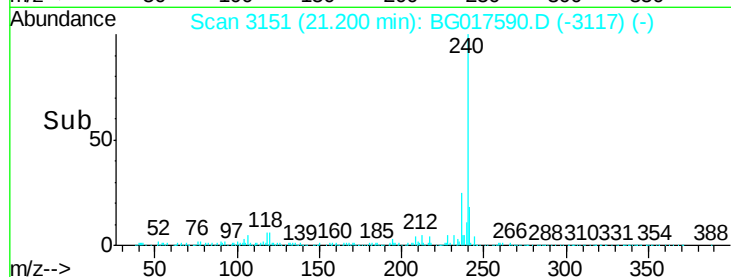
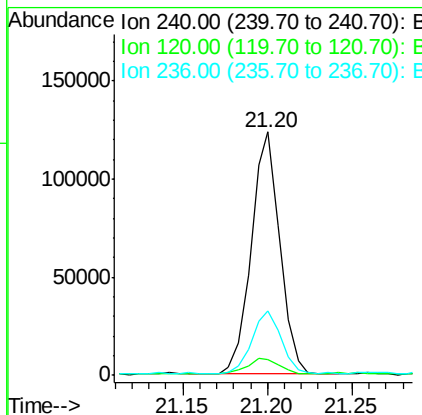
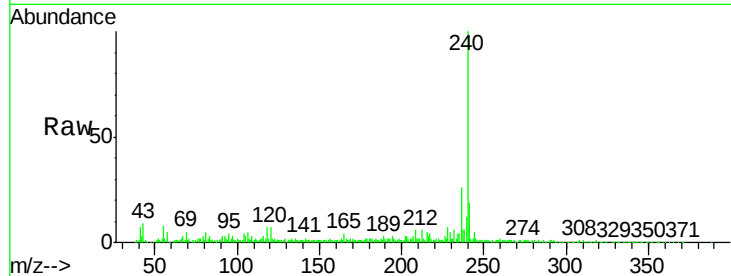
ClientSampleId :

RT440NB6.4(2)

Tgt	Ion	240	Resp:	145672
Ion	Ratio	Lower	Upper	
240	100			
120	6.7	6.5	9.7	
236	26.4	20.8	31.2	

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#77

Pyrene

Concen: 22.96 ng

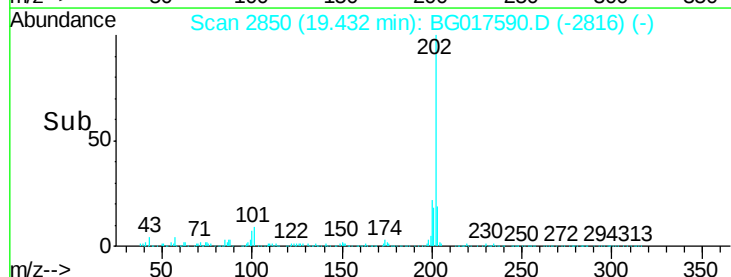
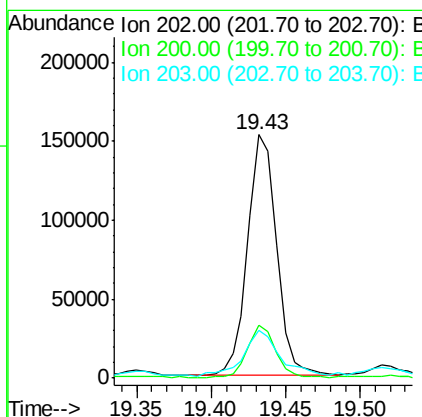
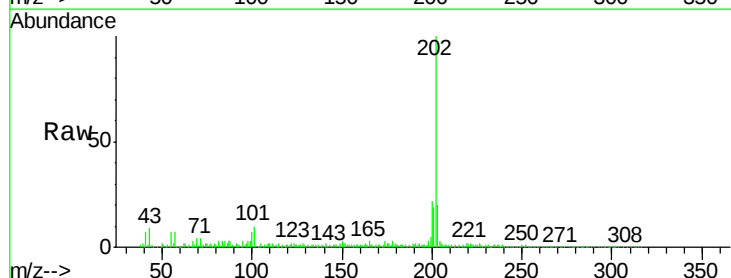
RT: 19.43 min Scan# 2850

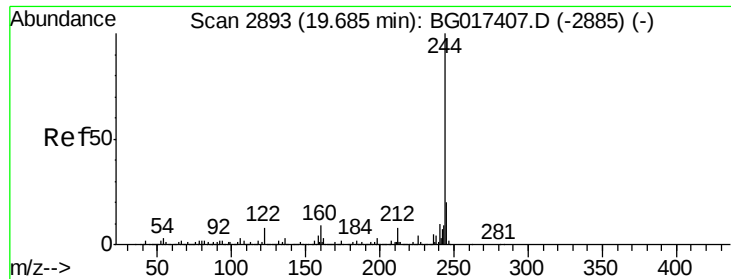
Delta R.T. -0.00 min

Lab File: BG017590.D

Acq: 10 Jun 2015 2:41

Tgt	Ion	202	Resp:	206080
Ion	Ratio	Lower	Upper	
202	100			
200	21.9	17.0	25.4	
203	19.7	13.9	20.9	





#78

Terphenyl-d14

Concen: 26.65 ng

RT: 19.64 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG017590.D

Acq: 10 Jun 2015 2:41

Instrument :

BNA_G

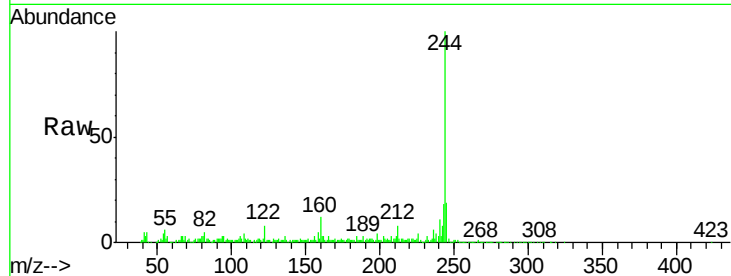
ClientSampleId :

RT440NB6.4(2)

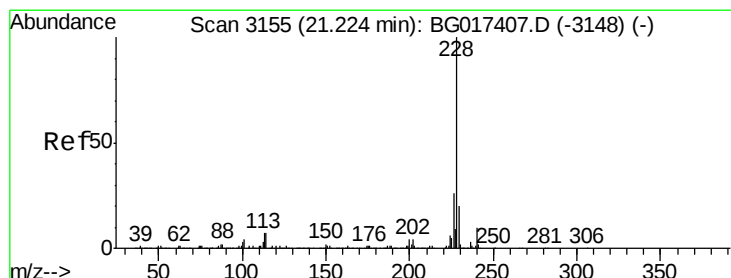
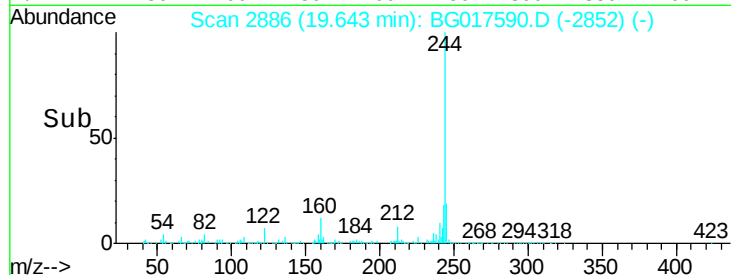
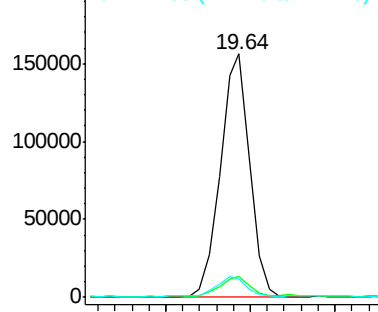
Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		187839		
212	8.4		6.4	9.6	
122	7.6		6.6	10.0	

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.62 ng

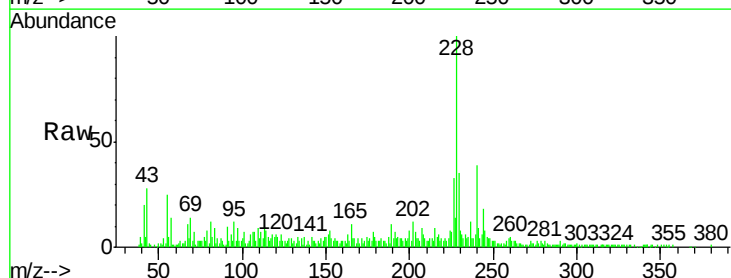
RT: 21.18 min Scan# 3148

Delta R.T. -0.01 min

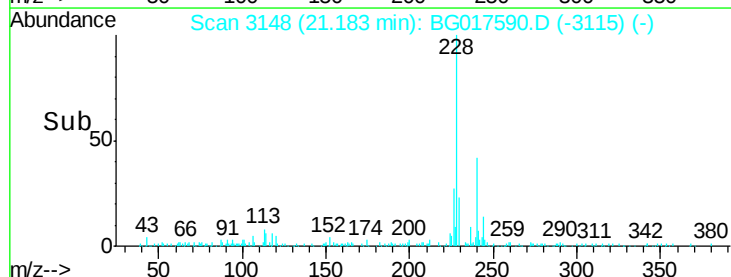
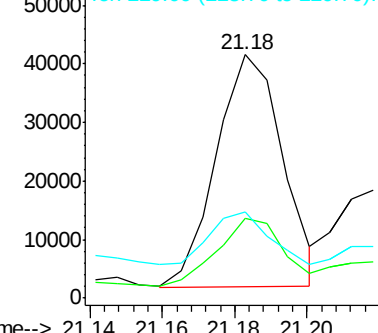
Lab File: BG017590.D

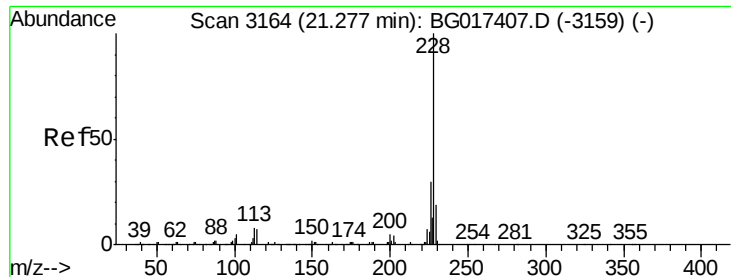
Acq: 10 Jun 2015 2:41

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		50312		
226	32.8		21.0	31.6#	
229	35.4		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: 9.37 ng

RT: 21.24 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BG017590.D

Acq: 10 Jun 2015 2:41

Instrument :

BNA_G

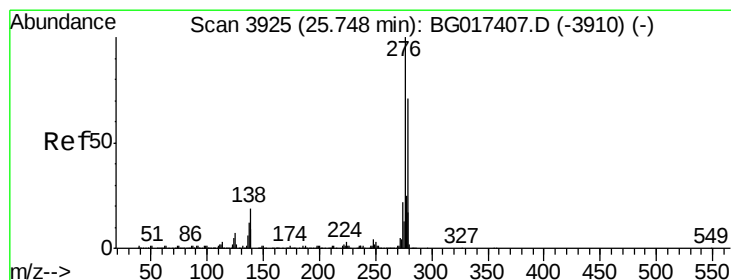
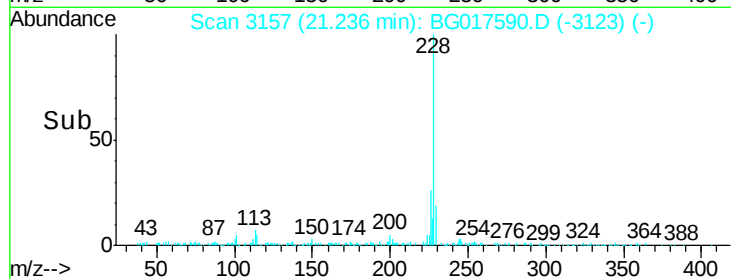
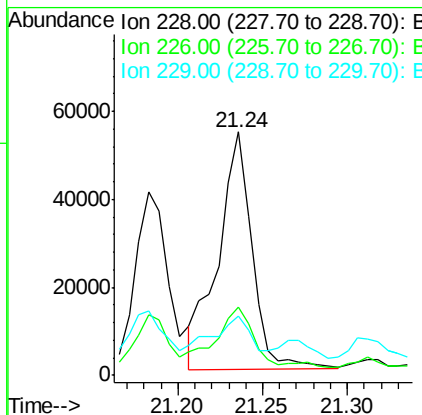
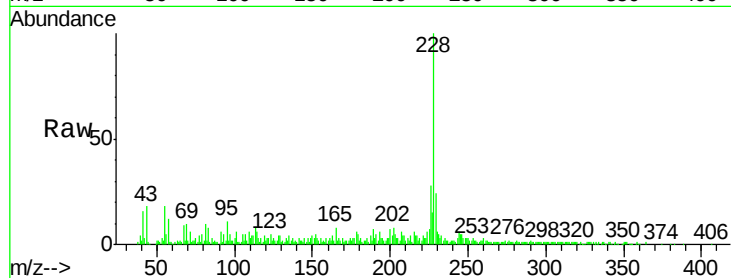
ClientSampleId :

RT440NB6.4(2)

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	76031		
226	28.3	23.7	35.5	
229	24.5	15.2	22.8#	

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.77 ng

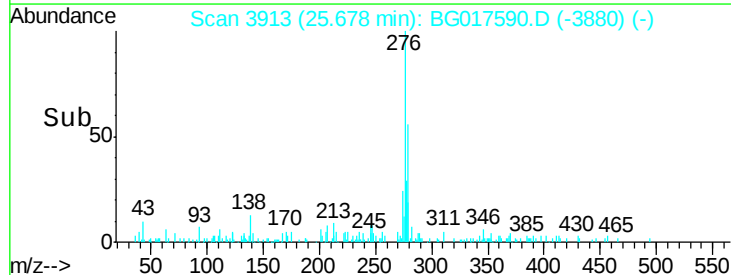
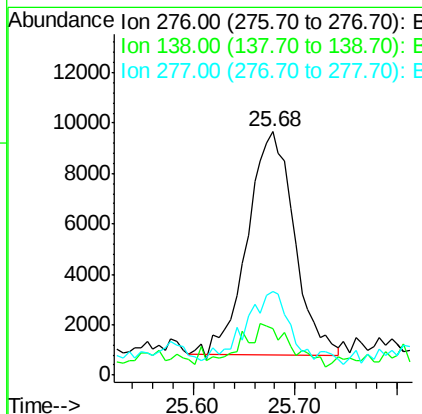
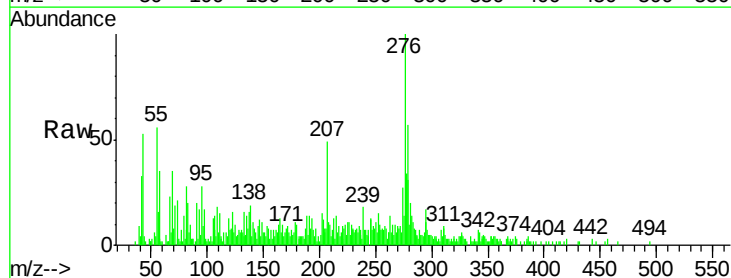
RT: 25.68 min Scan# 3913

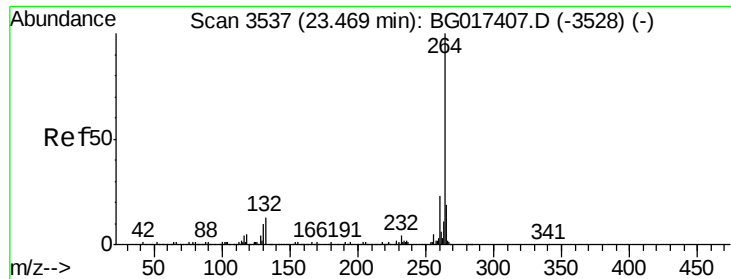
Delta R.T. -0.01 min

Lab File: BG017590.D

Acq: 10 Jun 2015 2:41

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	28238		
138	19.2	15.4	23.0	
277	27.6	20.5	30.7	





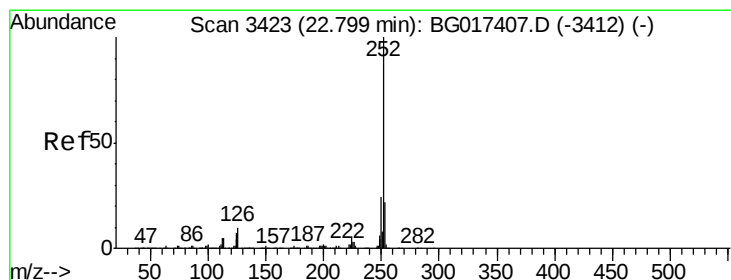
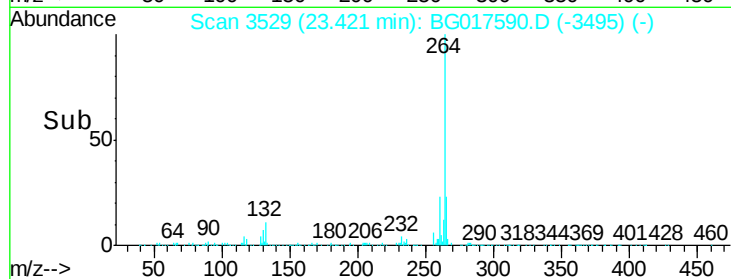
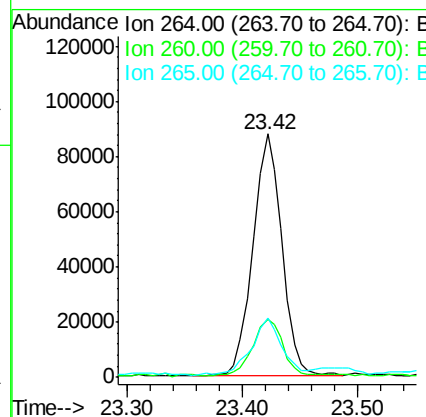
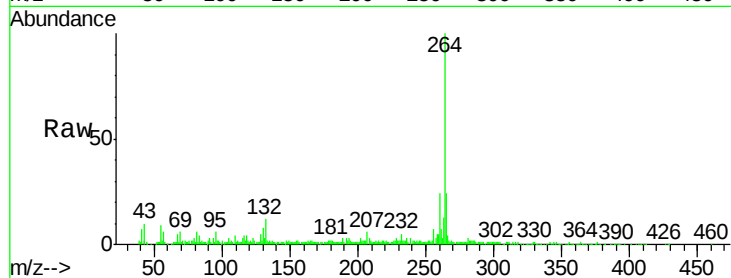
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.42 min Scan# 3529
Delta R.T. -0.00 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.6	18.2	27.4
265	24.3	15.8	23.6

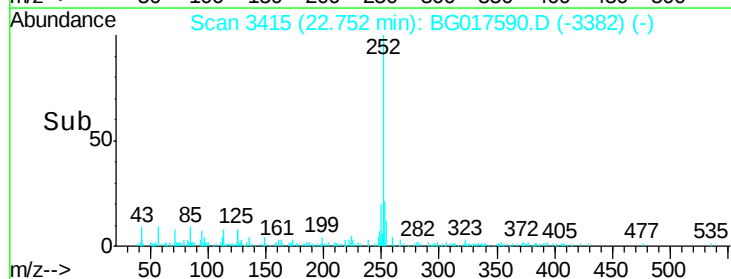
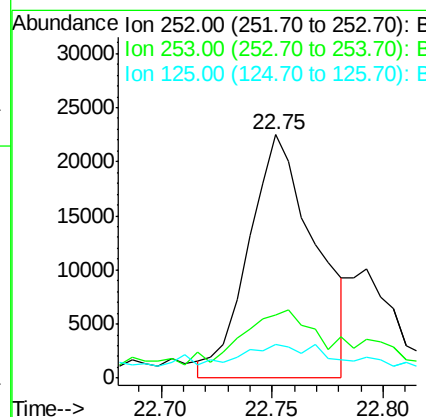
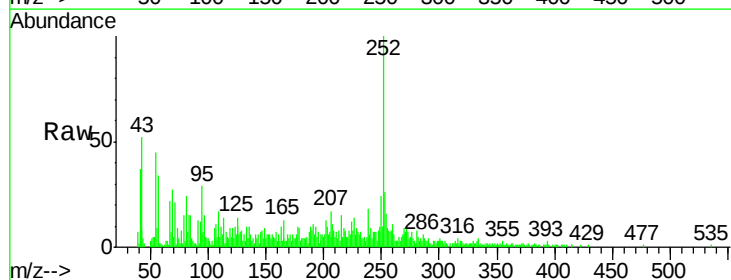
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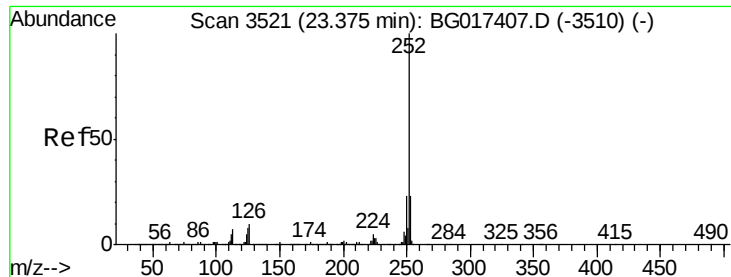
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#87
Benzo(b)fluoranthene
Concen: 4.83 ng m
RT: 22.75 min Scan# 3415
Delta R.T. -0.01 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	26.1	17.4	26.2
125	13.9	5.8	8.8





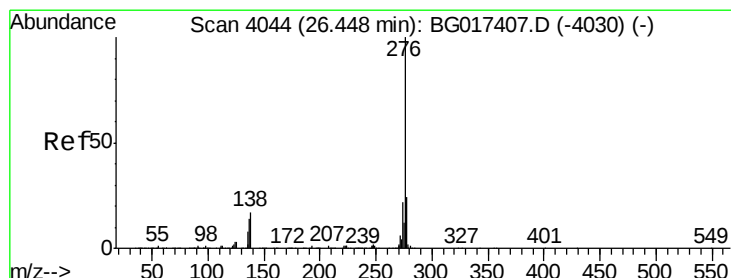
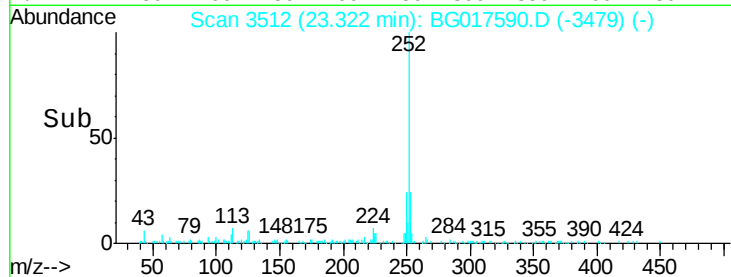
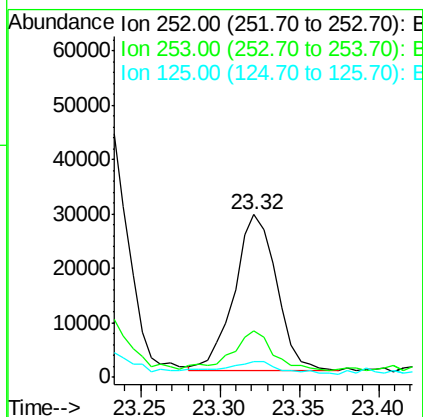
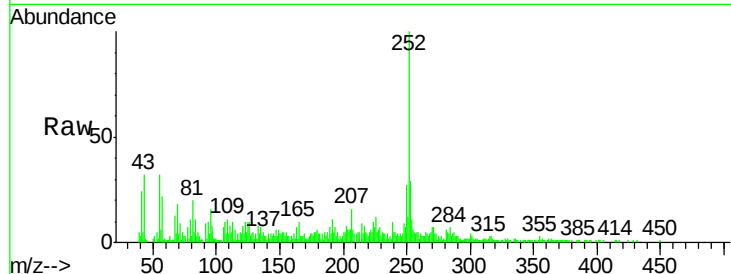
#89
Benzo(a)pyrene
Concen: 5.96 ng
RT: 23.32 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Instrument :
BNA_G
ClientSampleId :
RT440NB6.4(2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.1	27.1#
125	9.7	6.5	9.7

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.80 ng
RT: 26.36 min Scan# 4030
Delta R.T. -0.01 min
Lab File: BG017590.D
Acq: 10 Jun 2015 2:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.2	28.8
138	15.1	13.5	20.3

