

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017564.D
 Acq On : 9 Jun 2015 7:47
 Operator : TP/IZ
 Sample : G2450-16 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT440NB6.2(2)

Manual Integrations
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Quant Time: Jun 09 09:05:51 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	21406	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	91027	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	57402	20.00	ng	-0.02
63) Phenanthrene-d10	17.03	188	116855	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	135252	20.00	ng	-0.02
86) Perylene-d12	23.46	264	139298	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	55082	45.33	ng	0.00
7) Phenol-d6	6.81	99	72937	44.06	ng	0.00
23) Nitrobenzene-d5	8.77	82	55230	30.29	ng	0.00
41) 2,4,6-Tribromophenol	15.77	330	28947	36.31	ng	0.00
44) 2-Fluorobiphenyl	12.88	172	114297	30.04	ng	-0.02
78) Terphenyl-d14	19.66	244	155660	23.79	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.07	142	17030	4.66	ng	# 88
49) Dimethylphthalate	13.73	163	10843	2.17	ng	# 93
70) Phenanthrene	17.07	178	215998	33.15	ng	100
71) Anthracene	17.16	178	24678	3.79	ng	97
74) Fluoranthene	19.09	202	60532	7.10	ng	95
77) Pyrene	19.46	202	234163	28.10	ng	98
80) Benzo(a)anthracene	21.21	228	51878	6.24	ng	# 79
82) Chrysene	21.26	228	72832	9.67	ng	# 86
85) Indeno(1,2,3-cd)pyrene	25.73	276	19123	2.02	ng	# 84
87) Benzo(b)fluoranthene	22.78	252	45083m	5.11	ng	
89) Benzo(a)pyrene	23.35	252	50825	6.28	ng	93
91) Benzo(g,h,i)perylene	26.43	276	51512	6.43	ng	# 89

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

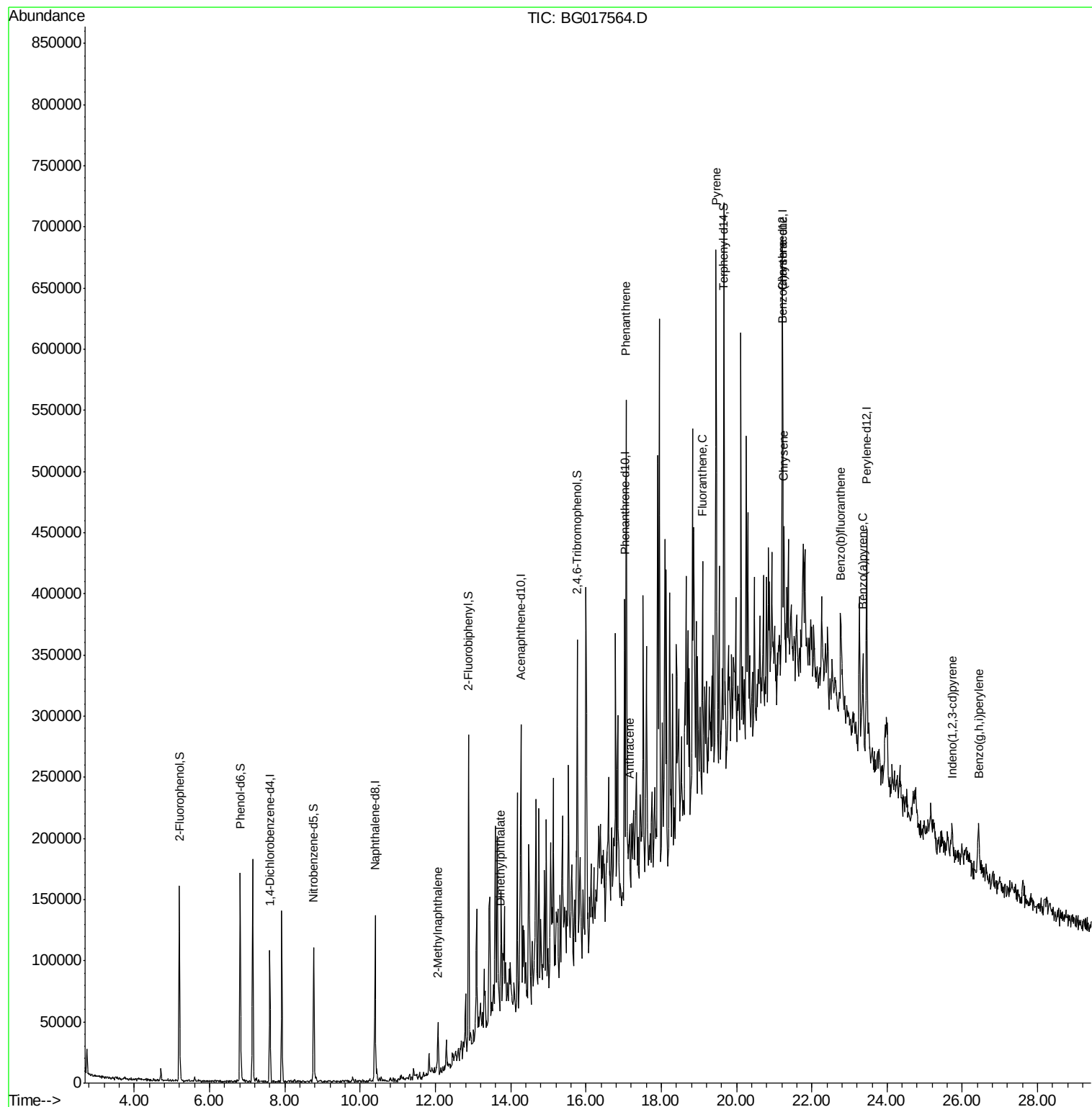
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017564.D
Acq On : 9 Jun 2015 7:47
Operator : TP/IZ
Sample : G2450-16 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

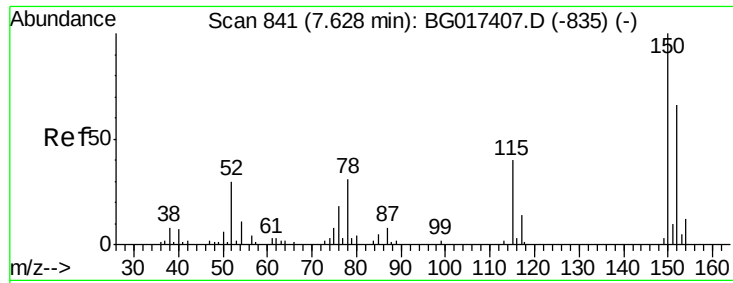
Instrument :
BNA_G
ClientSampleID :
RT440NB6.2(2)

Manual Integrations
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Quant Time: Jun 09 09:05:51 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

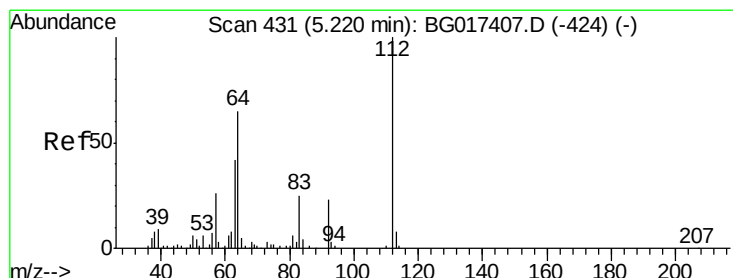
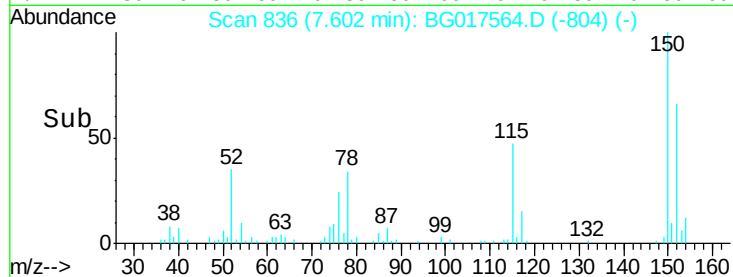
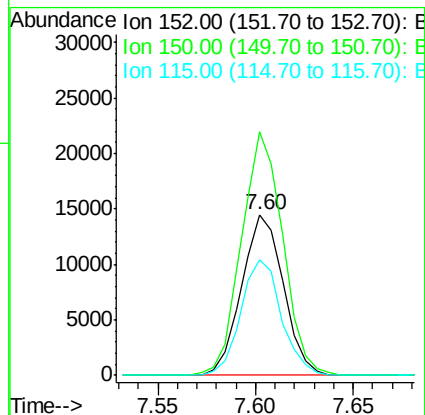
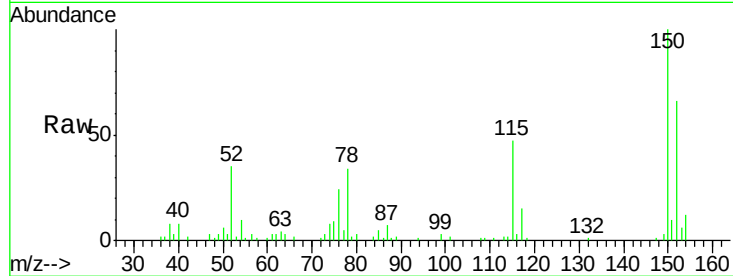
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.60 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Instrument :
BNA_G
ClientSampleId :
RT440NB6.2(2)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.7	121.7	182.5
115	72.0	48.6	73.0

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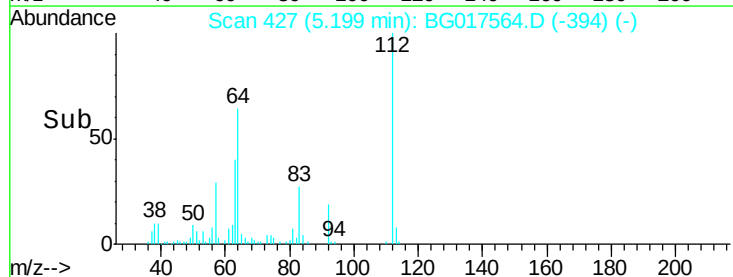
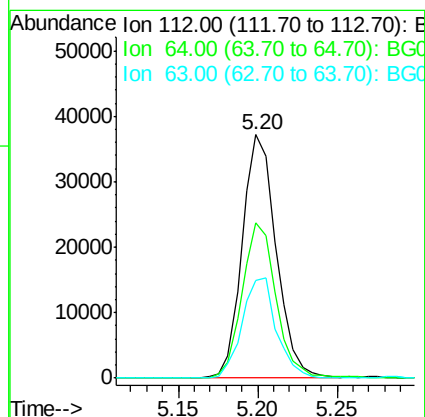
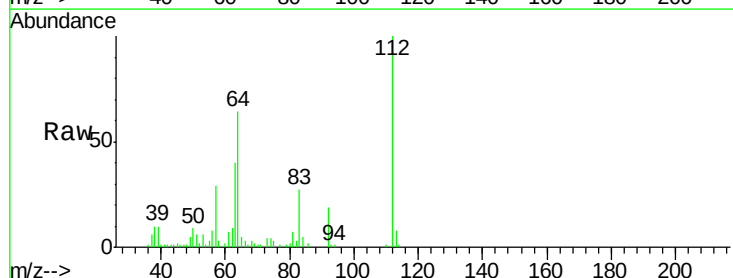
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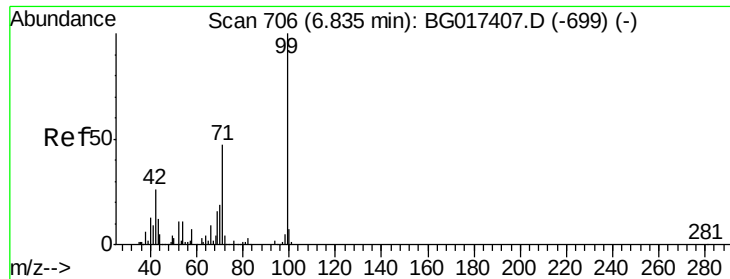


#5

2-Fluorophenol
Concen: 45.33 ng
RT: 5.20 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	51.6	77.4
63	40.3	33.3	49.9





#7

Phenol-d6

Concen: 44.06 ng

RT: 6.81 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG017564.D

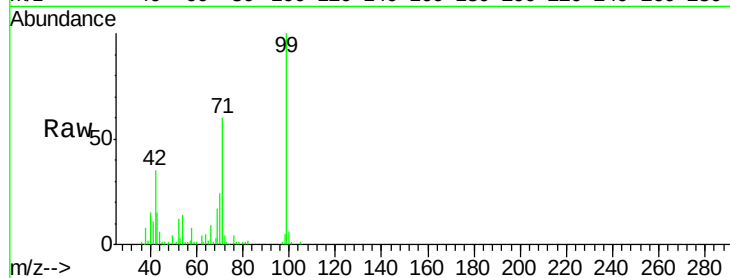
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Instrument :

BNA_G

ClientSampleId :

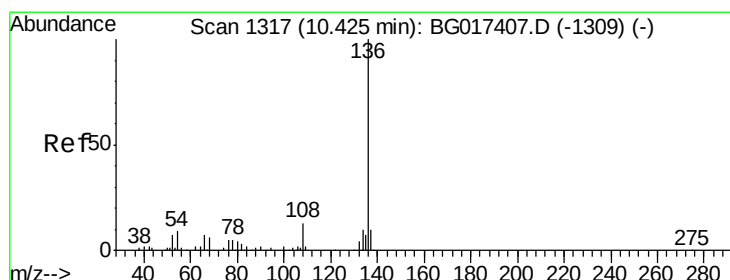
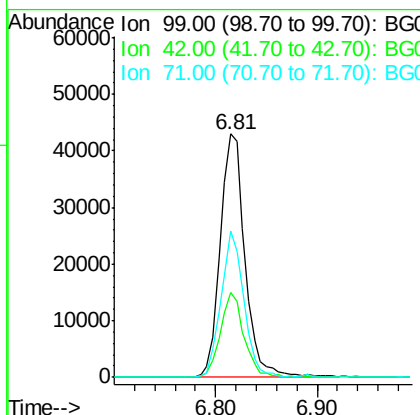
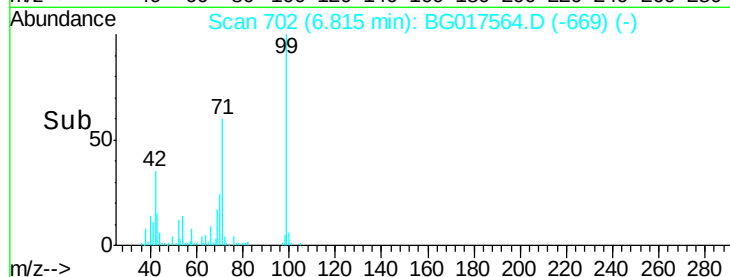
RT440NB6.2(2)



Tgt Ion	Ratio	Resp	Lower	Upper
99	100	72937		
42	35.1	21.0	31.6#	
71	60.2	37.2	55.8#	

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#21

Naphthalene-d8

Concen: 20.00 ng

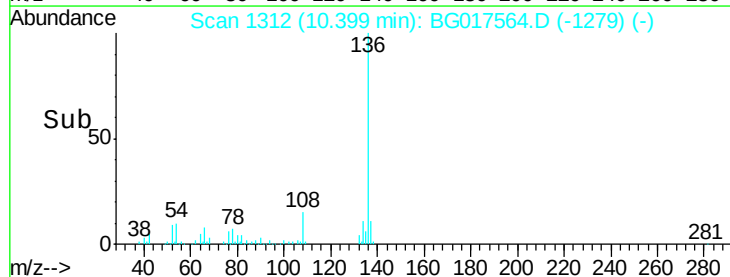
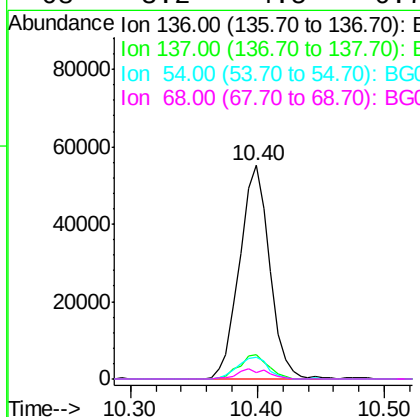
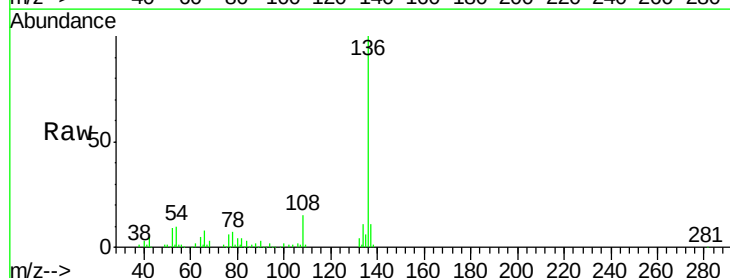
RT: 10.40 min Scan# 1312

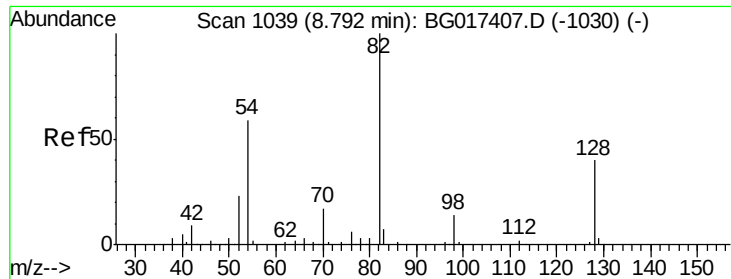
Delta R.T. -0.00 min

Lab File: BG017564.D

Acq: 9 Jun 2015 7:47

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	91027		
137	11.5	7.9	11.9	
54	10.4	7.2	10.8	
68	3.2	4.5	6.7#	





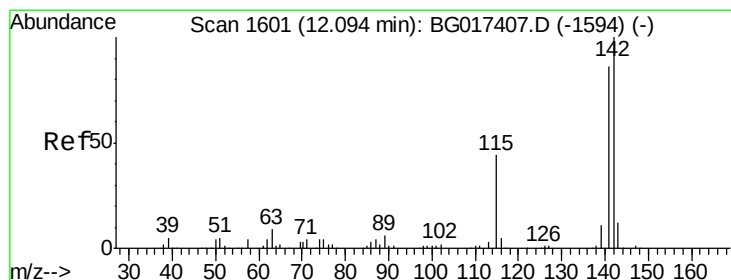
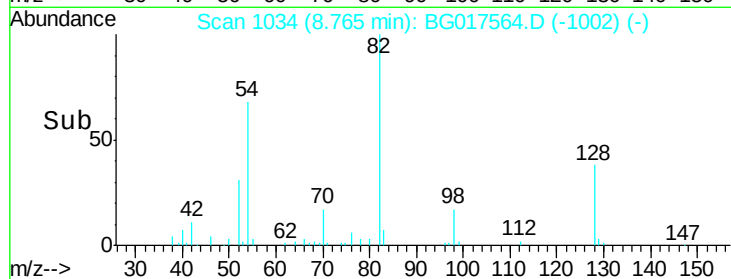
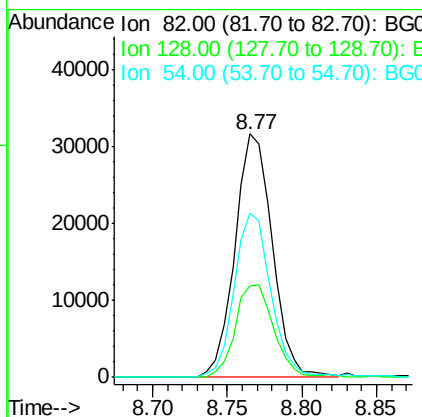
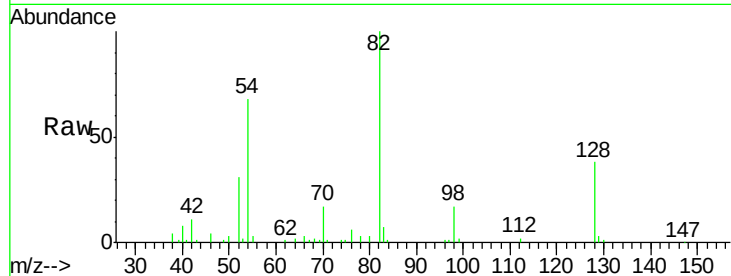
#23
 Nitrobenzene-d5
 Concen: 30.29 ng
 RT: 8.77 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG017564.D
 Acq: 9 Jun 2015 7:47

Instrument :
 BNA_G
 ClientSampleId :
 RT440NB6.2(2)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	55230		
128	37.5	32.2	48.4	
54	67.6	47.4	71.2	

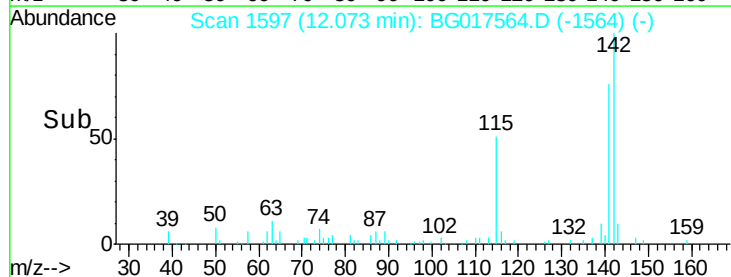
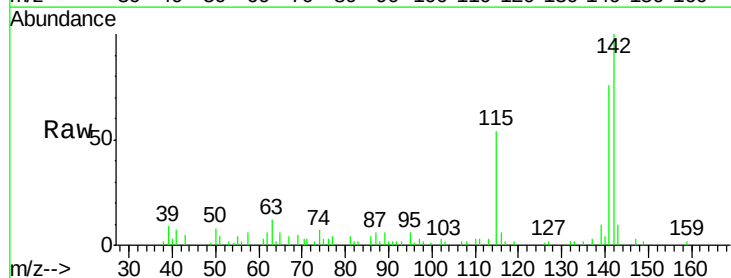
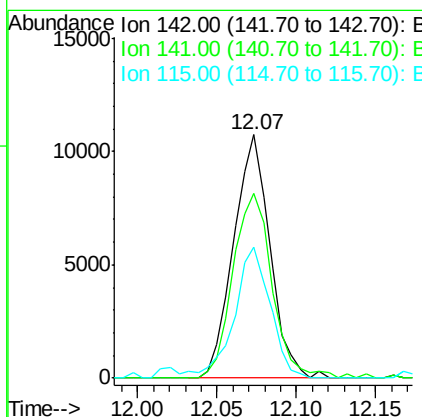
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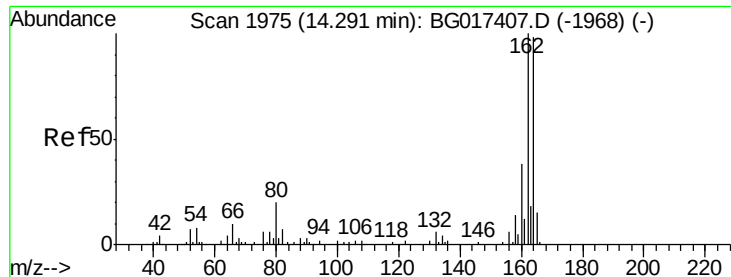
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#37
 2-Methylnaphthalene
 Concen: 4.66 ng
 RT: 12.07 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: BG017564.D
 Acq: 9 Jun 2015 7:47

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	17030		
141	76.1	68.6	102.8	
115	53.7	35.3	52.9#	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.27 min Scan# 1971

Delta R.T. -0.02 min

Lab File: BG017564.D

Acq: 9 Jun 2015 7:47

Instrument :

BNA_G

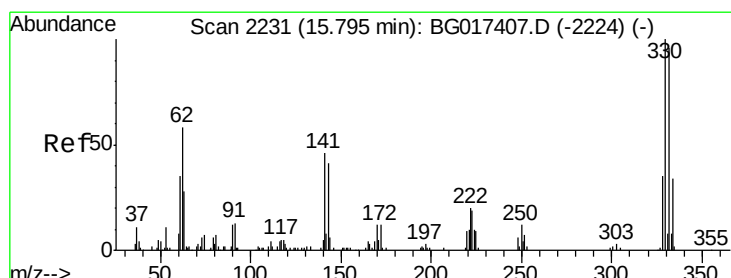
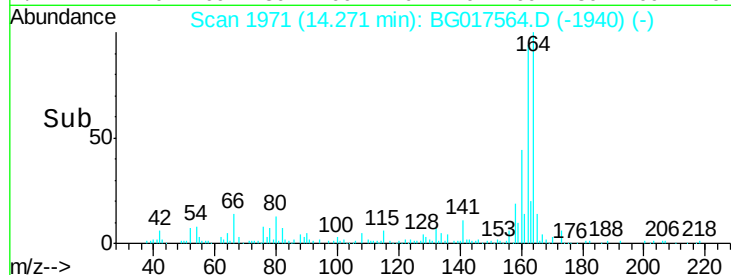
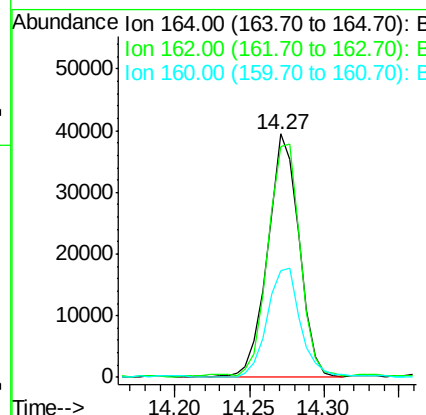
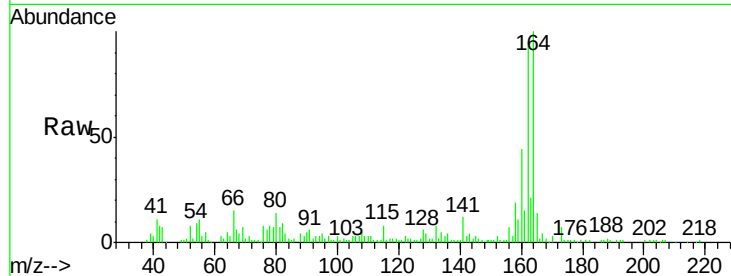
ClientSampleId :

RT440NB6.2(2)

Tgt Ion:	164	Resp:	57402
Ion Ratio	Lower	Upper	
164	100		
162	94.7	81.8	122.6
160	43.6	31.0	46.4

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#41

2,4,6-Tribromophenol

Concen: 36.31 ng

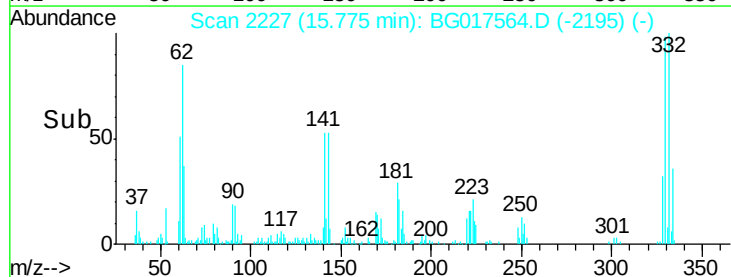
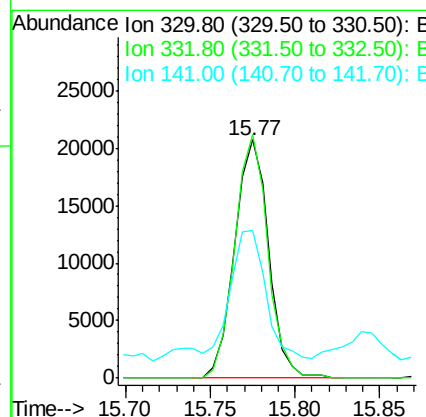
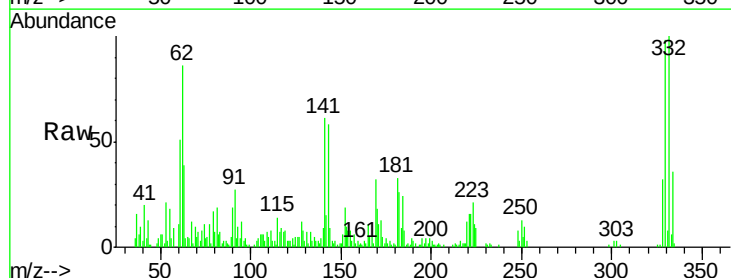
RT: 15.77 min Scan# 2227

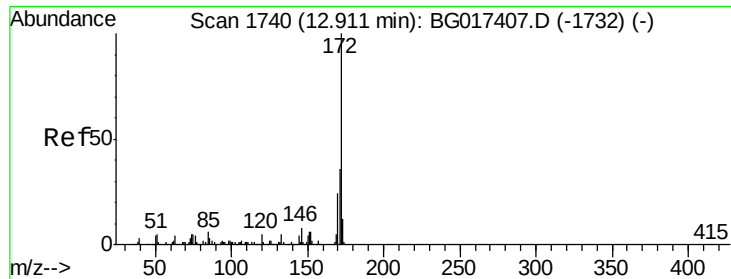
Delta R.T. -0.01 min

Lab File: BG017564.D

Acq: 9 Jun 2015 7:47

Tgt Ion:	330	Resp:	28947
Ion Ratio	Lower	Upper	
330	100		
332	99.0	75.9	113.9
141	58.6	40.2	60.4





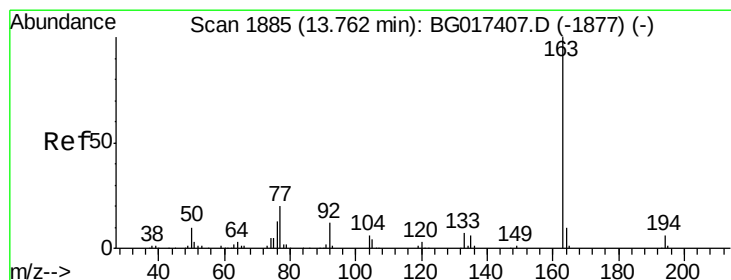
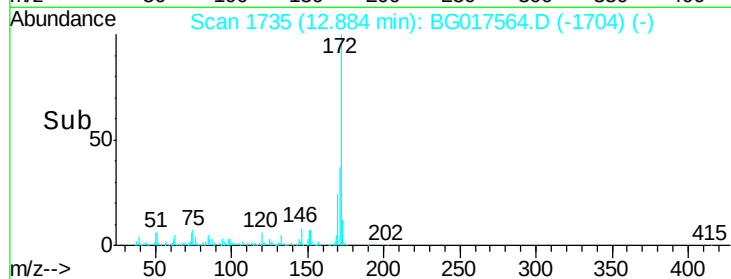
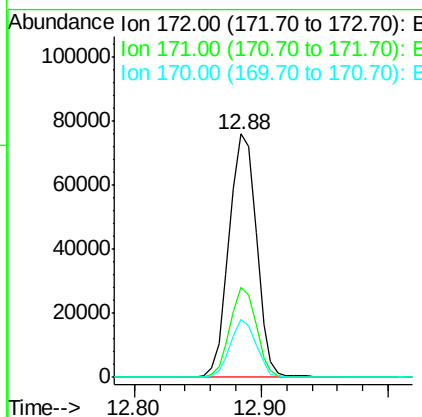
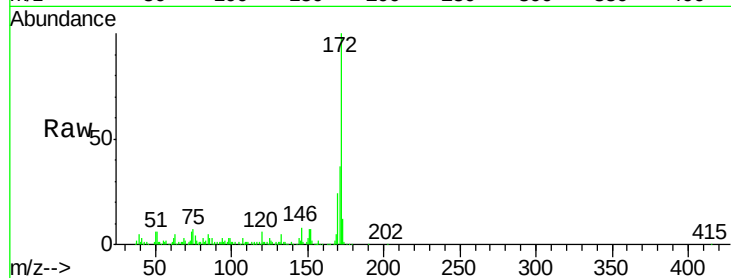
#44
2-Fluorobiphenyl
Concen: 30.04 ng
RT: 12.88 min Scan# 1735
Delta R.T. -0.02 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Instrument :
BNA_G
ClientSampleId :
RT440NB6.2(2)

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	114297		
171	37.1	29.0	43.6	
170	23.9	18.9	28.3	

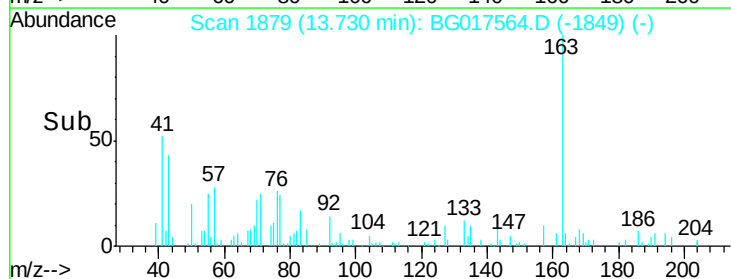
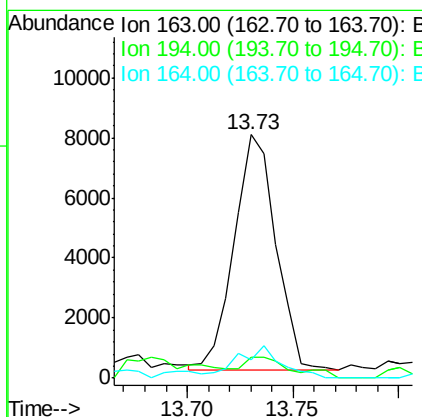
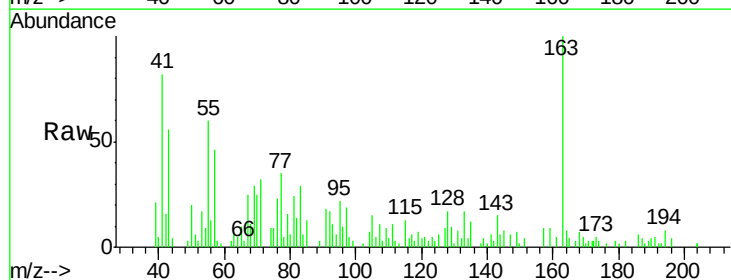
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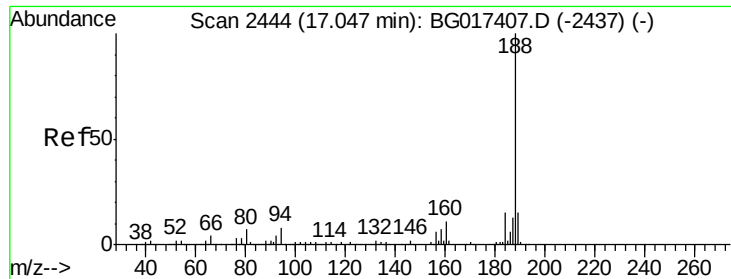
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#49
Dimethylphthalate
Concen: 2.17 ng
RT: 13.73 min Scan# 1879
Delta R.T. -0.02 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	10843		
194	8.5	4.9	7.3#	
164	7.8	8.2	12.2#	





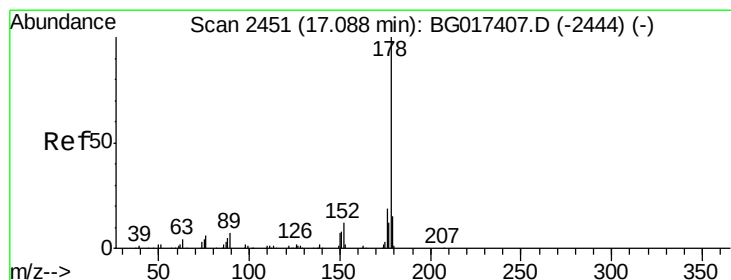
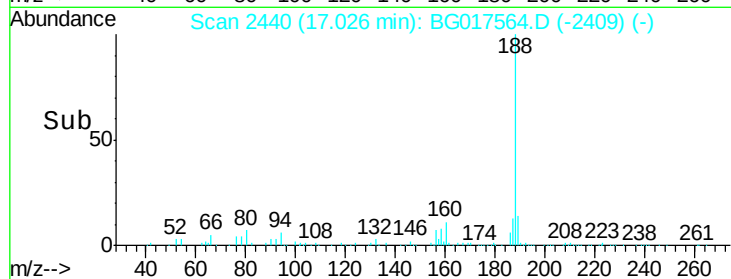
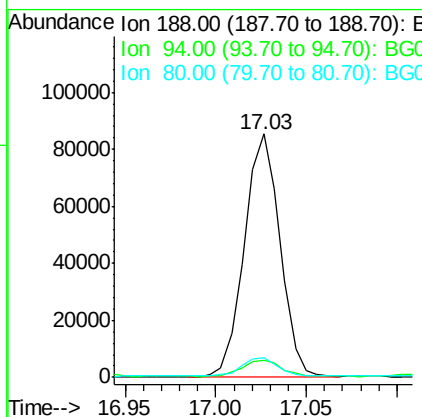
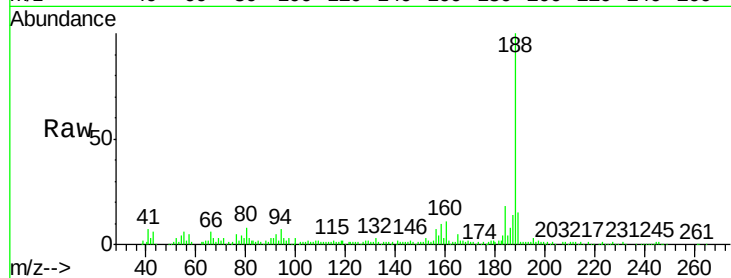
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.03 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Instrument :
BNA_G
ClientSampleId :
RT440NB6.2(2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.8	6.3	9.5
80	7.9	5.2	7.8

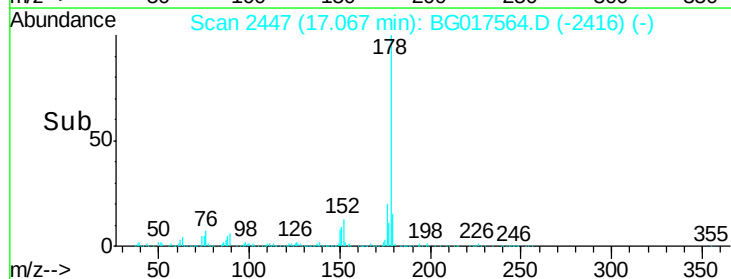
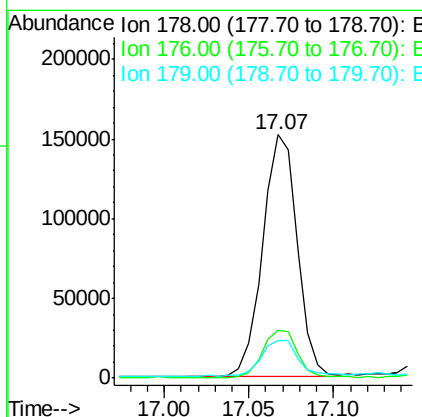
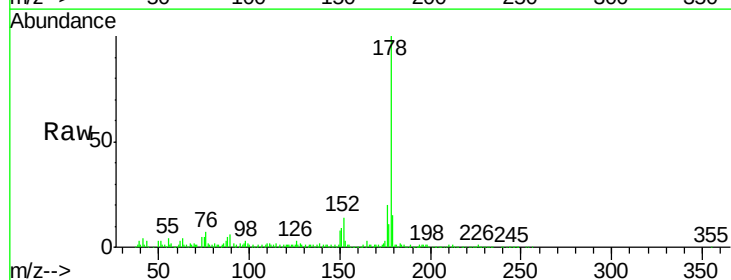
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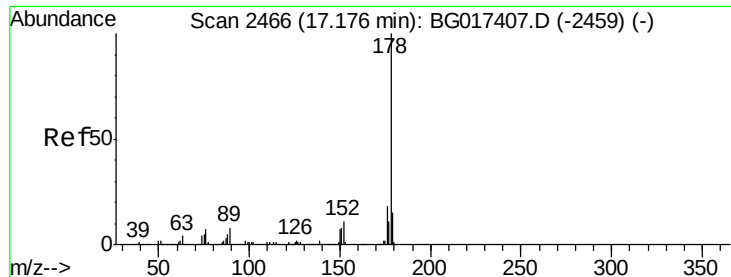
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#70
Phenanthrene
Concen: 33.15 ng
RT: 17.07 min Scan# 2447
Delta R.T. -0.02 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	15.6	23.4
179	15.3	12.2	18.2





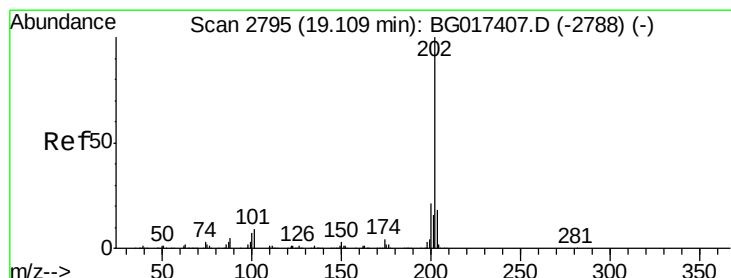
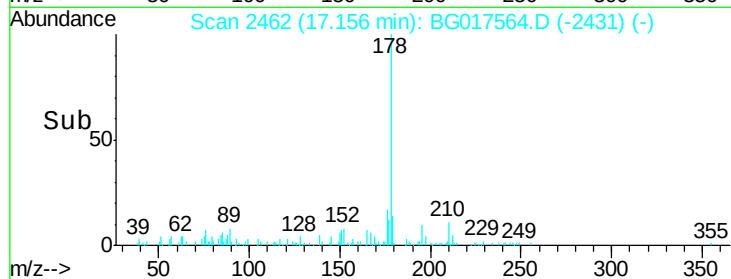
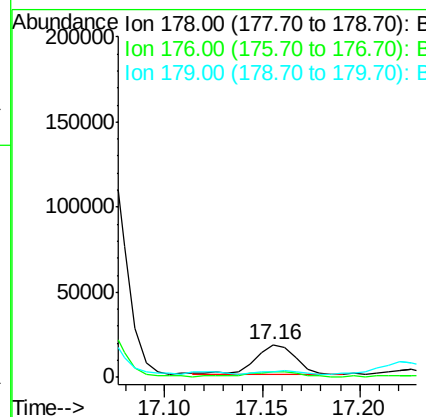
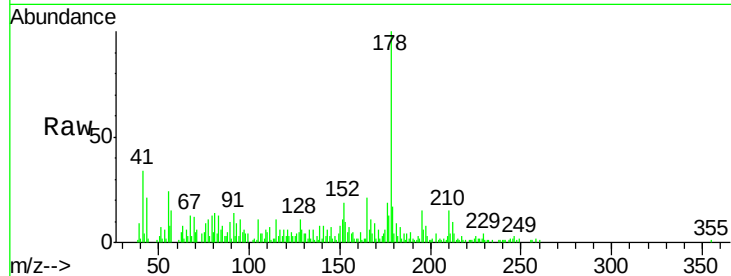
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 Anthracene
 Concen: 3.79 ng
 RT: 17.16 min Scan# 2462
 Delta R.T. -0.02 min
 Lab File: BG017564.D
 Acq: 9 Jun 2015 7:47

Instrument :
 BNA_G
 ClientSampleId :
 RT440NB6.2(2)

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	24678		
176	18.6	14.2	21.2	
179	17.0	12.2	18.4	

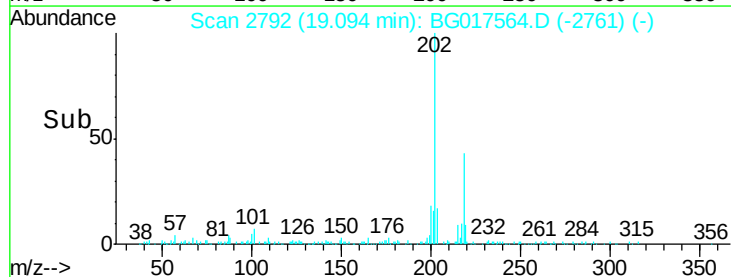
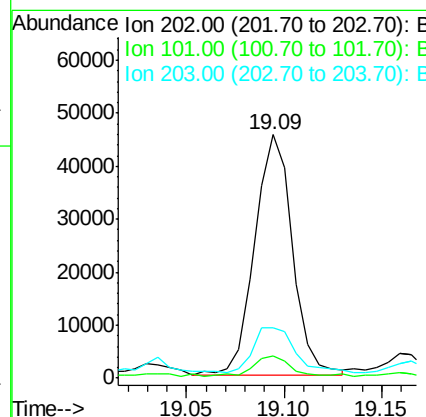
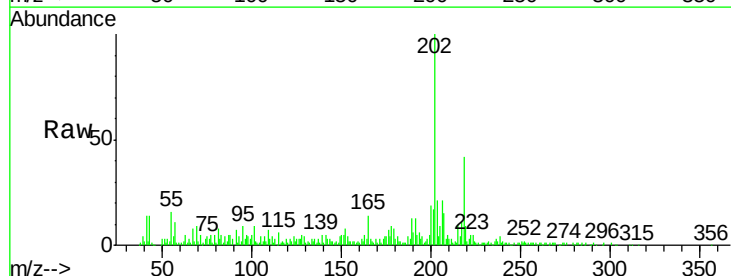
Manual Integrations
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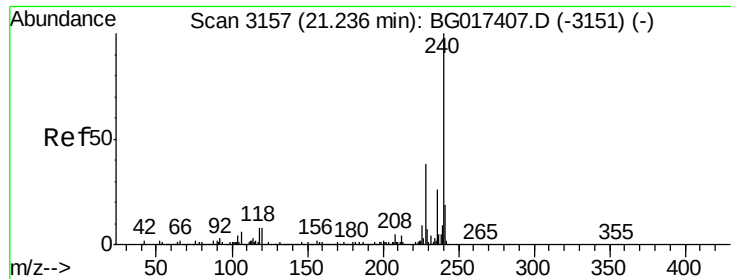
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#74
 Fluoranthene
 Concen: 7.10 ng
 RT: 19.09 min Scan# 2792
 Delta R.T. -0.02 min
 Lab File: BG017564.D
 Acq: 9 Jun 2015 7:47

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	60532		
101	9.3	0.0	28.8	
203	20.7	0.0	37.6	





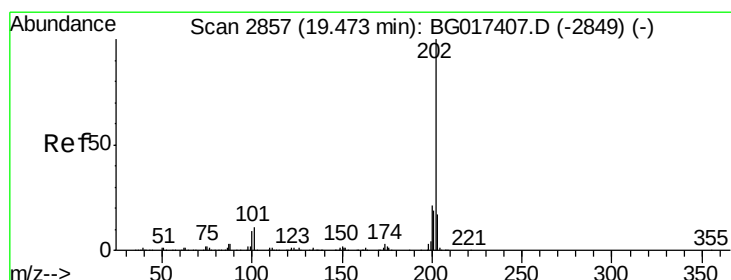
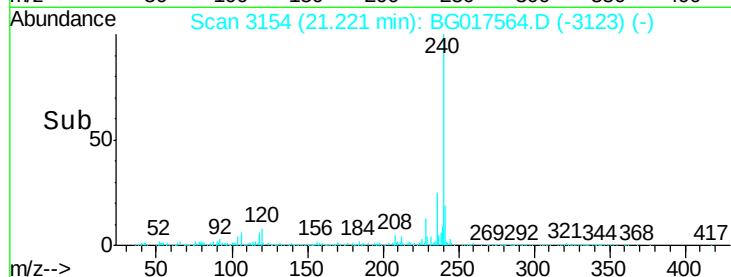
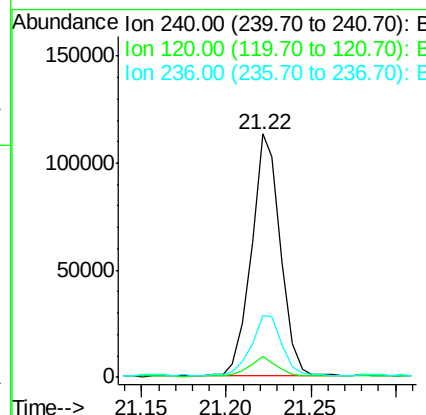
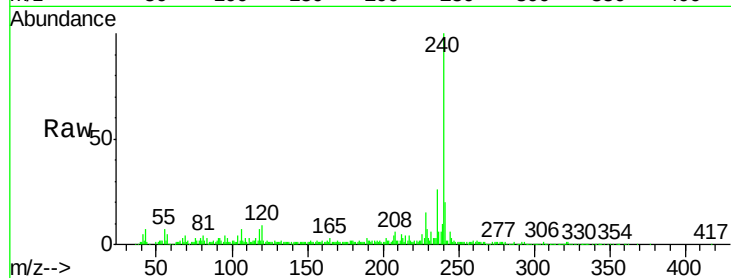
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.22 min Scan# 3154
Delta R.T. -0.02 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Instrument :
BNA_G
ClientSampleId :
RT440NB6.2(2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	8.8	6.5	9.7
236	25.6	20.8	31.2

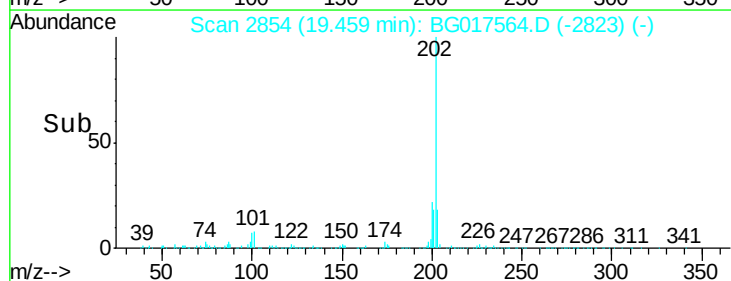
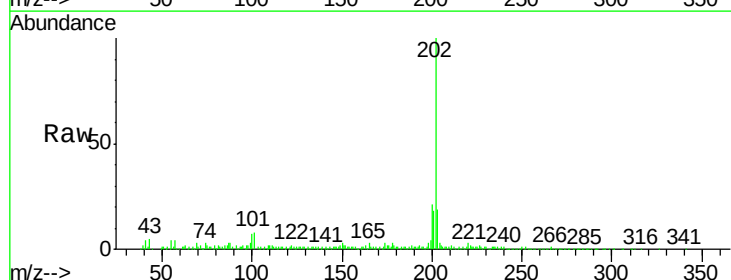
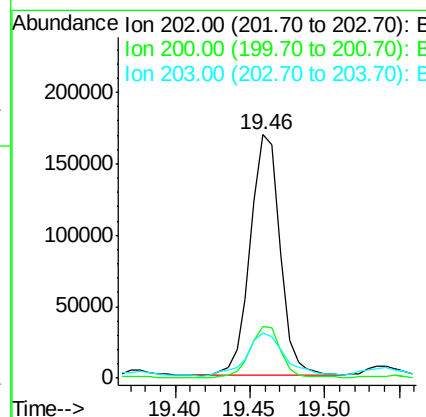
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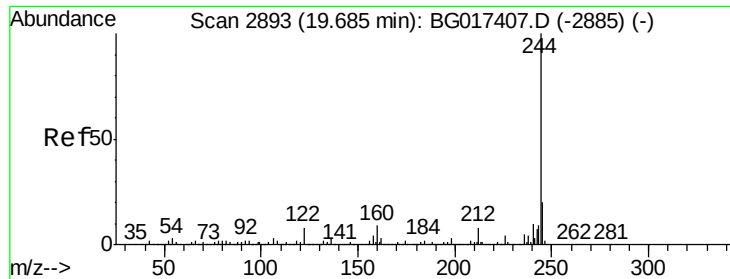
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#77
Pyrene
Concen: 28.10 ng
RT: 19.46 min Scan# 2854
Delta R.T. -0.02 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.4	17.0	25.4
203	18.8	13.9	20.9





#78

Terphenyl-d14

Concen: 23.79 ng

RT: 19.66 min Scan# 2889

Delta R.T. -0.02 min

Lab File: BG017564.D

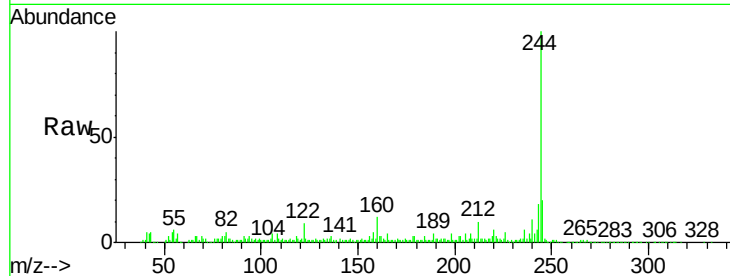
Acq: 9 Jun 2015 7:47

Instrument :

BNA_G

ClientSampleId :

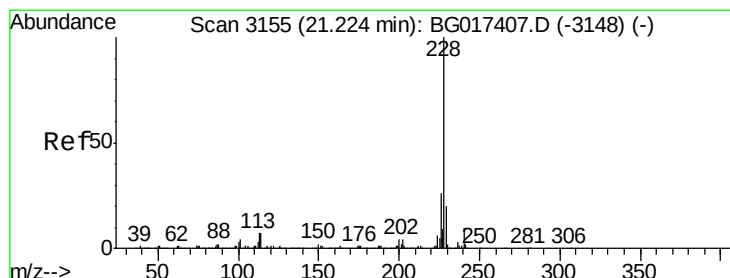
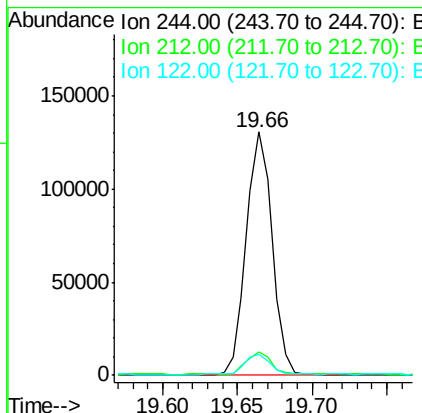
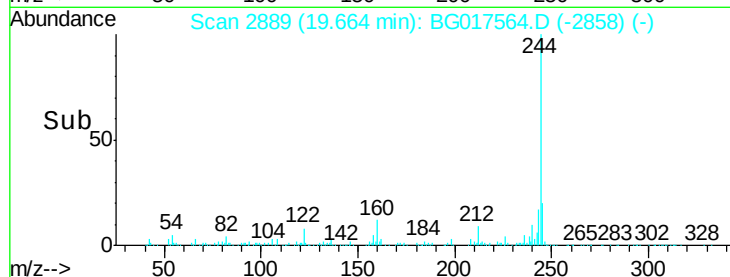
RT440NB6.2(2)



Tgt Ion	Ratio	Resp	Lower	Upper
244	100	155660		
212	9.5	6.4	9.6	
122	8.7	6.6	10.0	

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#80

Benzo(a)anthracene

Concen: 6.24 ng

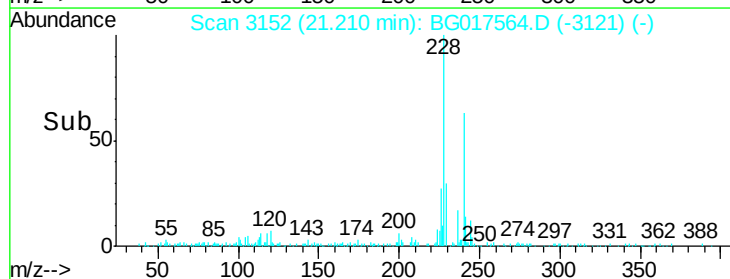
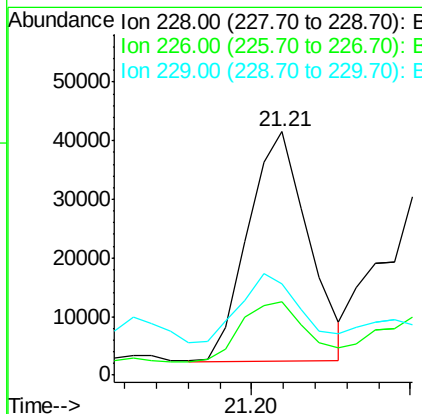
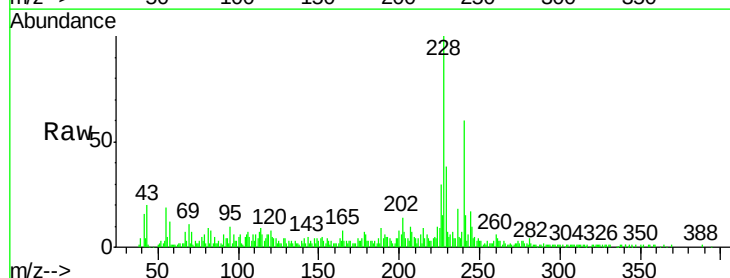
RT: 21.21 min Scan# 3152

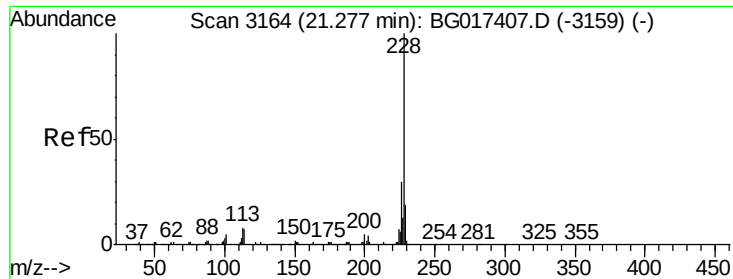
Delta R.T. -0.02 min

Lab File: BG017564.D

Acq: 9 Jun 2015 7:47

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	51878		
226	30.1	21.0	31.6	
229	37.7	15.7	23.5	





#82

Chrysene

Concen: 9.67 ng

RT: 21.26 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BG017564.D

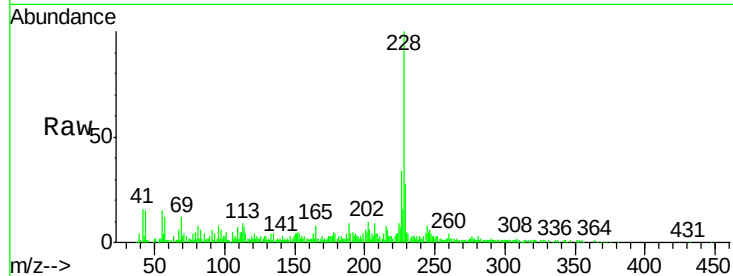
Acq: 9 Jun 2015 7:47

Instrument :

BNA_G

ClientSampleId :

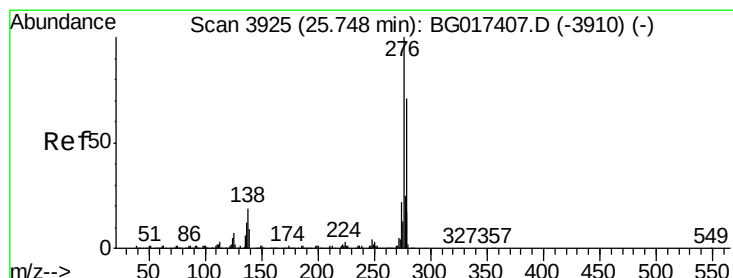
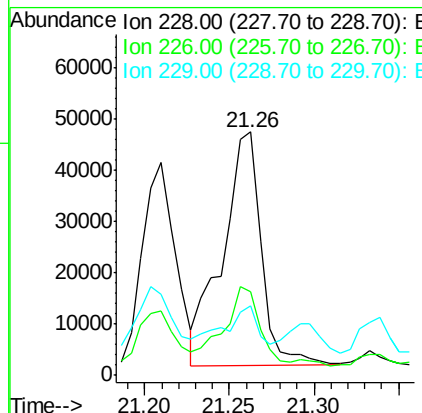
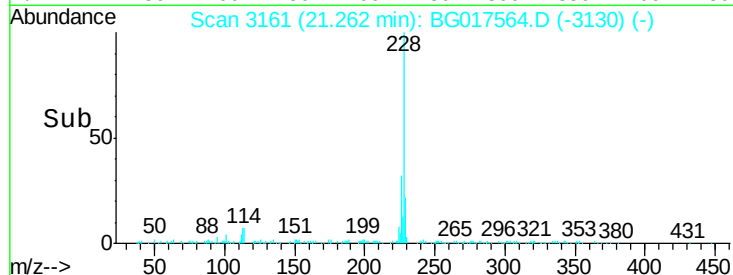
RT440NB6.2(2)



Tgt Ion:	228	Resp:	72832
Ion Ratio	Lower	Upper	
228	100		
226	34.3	23.7	35.5
229	28.5	15.2	22.8#

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#85

Indeno(1,2,3-cd)pyrene

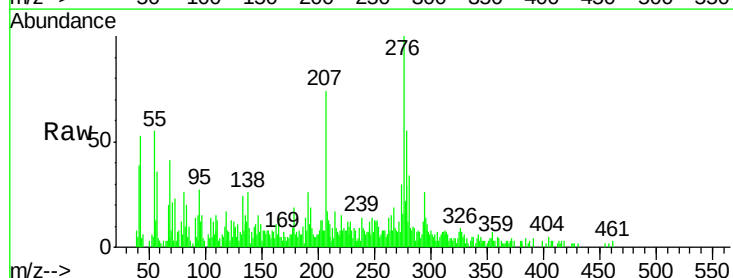
Concen: 2.02 ng

RT: 25.73 min Scan# 3921

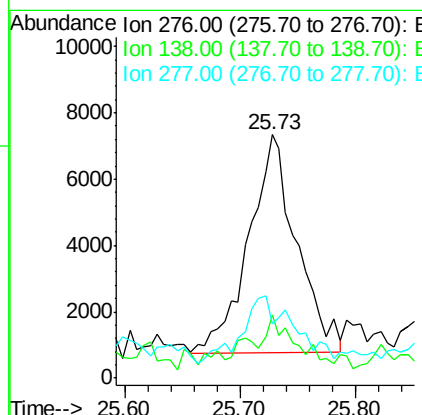
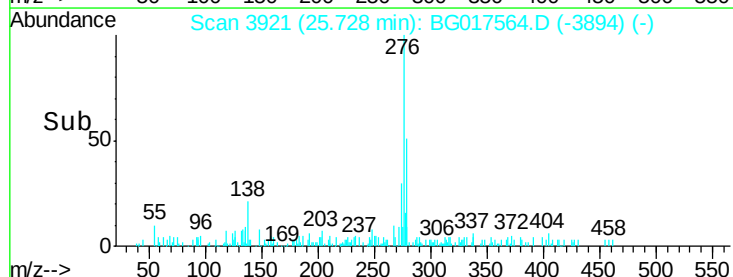
Delta R.T. -0.04 min

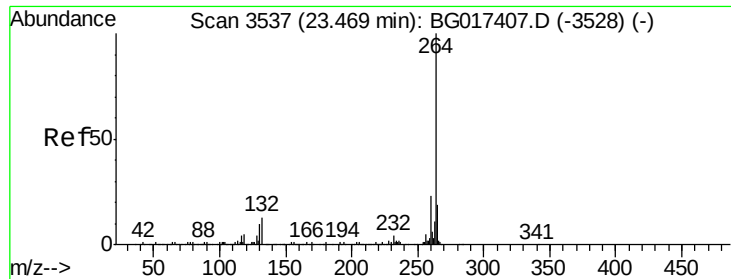
Lab File: BG017564.D

Acq: 9 Jun 2015 7:47



Tgt Ion:	276	Resp:	19123
Ion Ratio	Lower	Upper	
276	100		
138	11.7	15.4	23.0#
277	33.3	20.5	30.7#





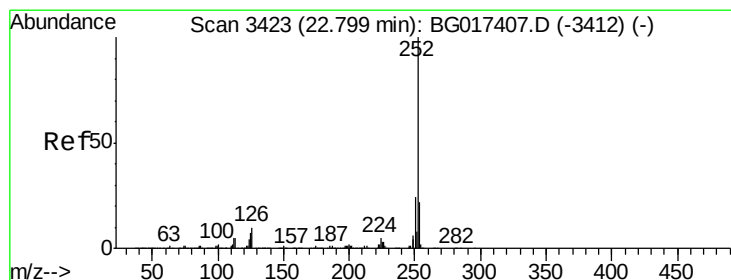
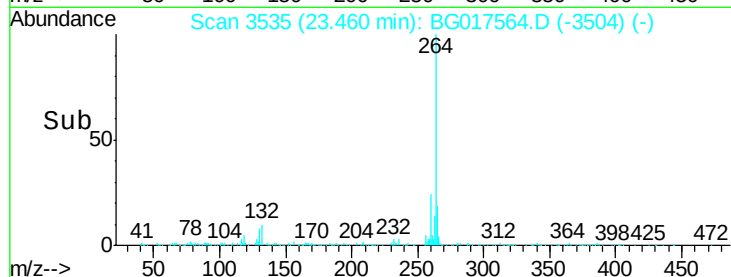
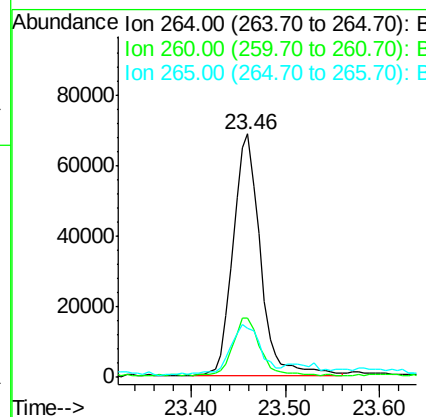
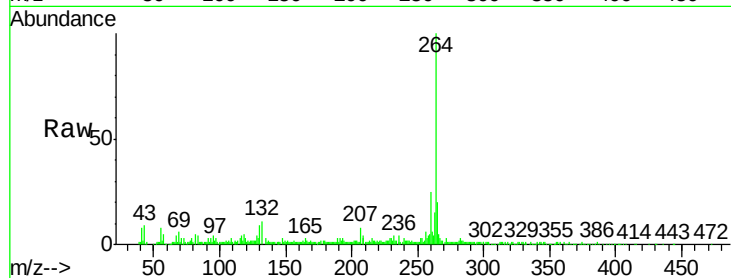
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.46 min Scan# 3535
Delta R.T. -0.02 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Instrument :
BNA_G
ClientSampleId :
RT440NB6.2(2)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	139298		
260	24.6	18.2	27.4	
265	20.3	15.8	23.6	

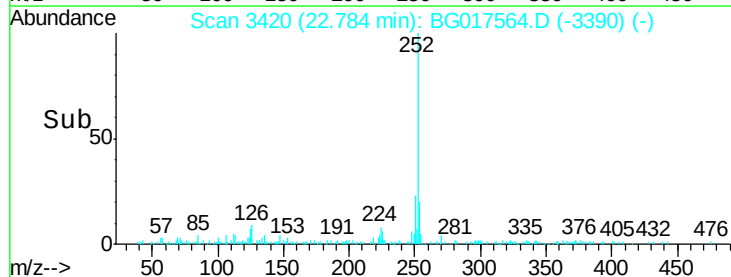
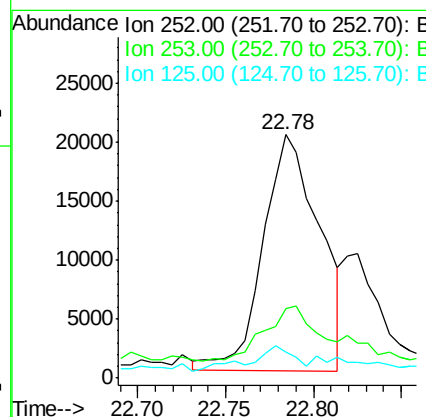
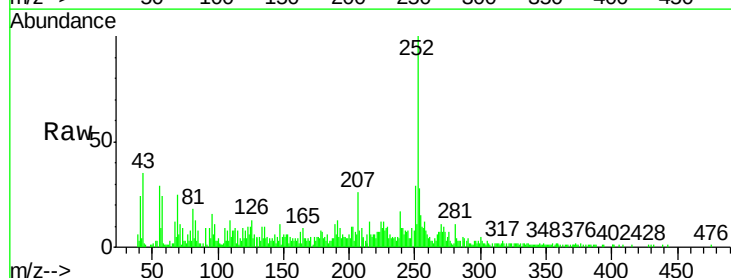
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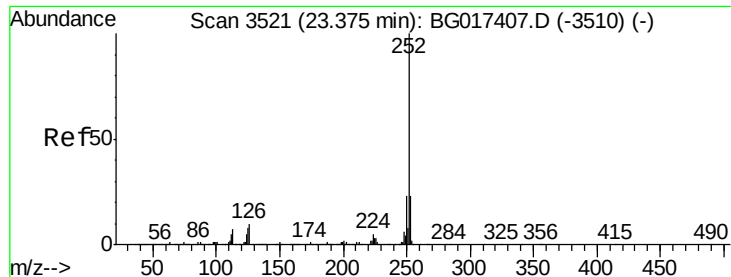
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#87
Benzo(b)fluoranthene
Concen: 5.11 ng m
RT: 22.78 min Scan# 3420
Delta R.T. -0.02 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	45083		
253	28.4	17.4	26.2#	
125	10.5	5.8	8.8#	





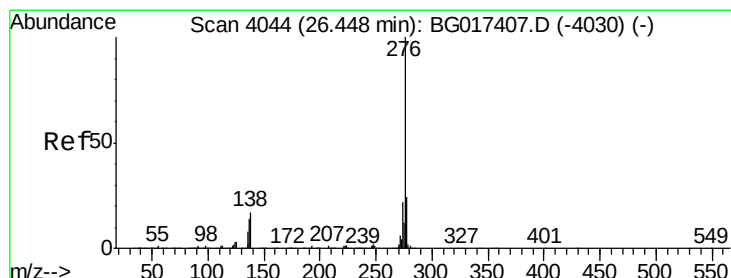
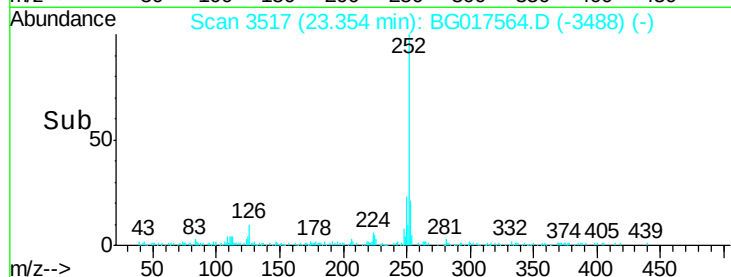
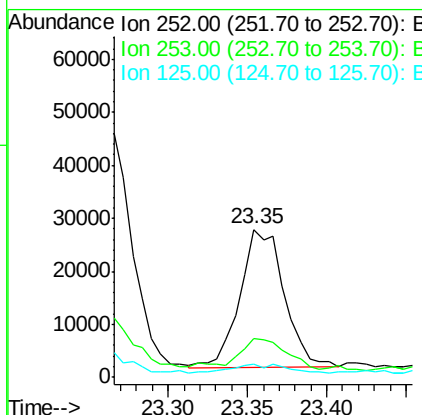
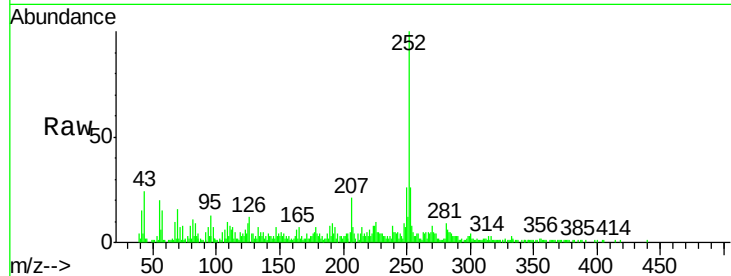
#89
Benzo(a)pyrene
Concen: 6.28 ng
RT: 23.35 min Scan# 3517
Delta R.T. -0.03 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Instrument :
BNA_G
ClientSampleId :
RT440NB6.2(2)

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	50825		
253	26.4	18.1	27.1	
125	9.2	6.5	9.7	

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#91
Benzo(g,h,i)perylene
Concen: 6.43 ng
RT: 26.43 min Scan# 4040
Delta R.T. -0.05 min
Lab File: BG017564.D
Acq: 9 Jun 2015 7:47

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	51512		
277	32.0	19.2	28.8#	
138	18.5	13.5	20.3	

