

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
 Data File : BG017532.D
 Acq On : 7 Jun 2015 13:24
 Operator : TP/IZ
 Sample : G2457-01 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1

Manual Integrations
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Quant Time: Jun 08 08:10:34 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 01:31:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	25597	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	104192	20.00	ng	0.00
38) Acenaphthene-d10	14.29	164	62522	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	121446	20.00	ng	0.00
75) Chrysene-d12	21.24	240	138307	20.00	ng	0.00
86) Perylene-d12	23.48	264	140341	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	79050	54.41	ng	0.00
7) Phenol-d6	6.83	99	104762	52.93	ng	0.00
23) Nitrobenzene-d5	8.78	82	77678	37.22	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	40198	46.29	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	149974	36.18	ng	0.00
78) Terphenyl-d14	19.68	244	197216	29.47	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.75	163	39767	7.31	ng	99
70) Phenanthrene	17.09	178	83125	12.28	ng	96
71) Anthracene	17.17	178	22357	3.31	ng	# 93
74) Fluoranthene	19.11	202	163121	18.42	ng	99
77) Pyrene	19.48	202	160086	18.79	ng	99
80) Benzo(a)anthracene	21.22	228	86451m	10.16	ng	
82) Chrysene	21.27	228	77256	10.03	ng	98
85) Indeno(1,2,3-cd)pyrene	25.76	276	39376	4.07	ng	93
87) Benzo(b)fluoranthene	22.81	252	93767m	10.54	ng	
88) Benzo(k)fluoranthene	22.84	252	34564m	4.06	ng	
89) Benzo(a)pyrene	23.38	252	73483	9.01	ng	# 98
91) Benzo(g,h,i)perylene	26.46	276	36510	4.53	ng	# 94

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

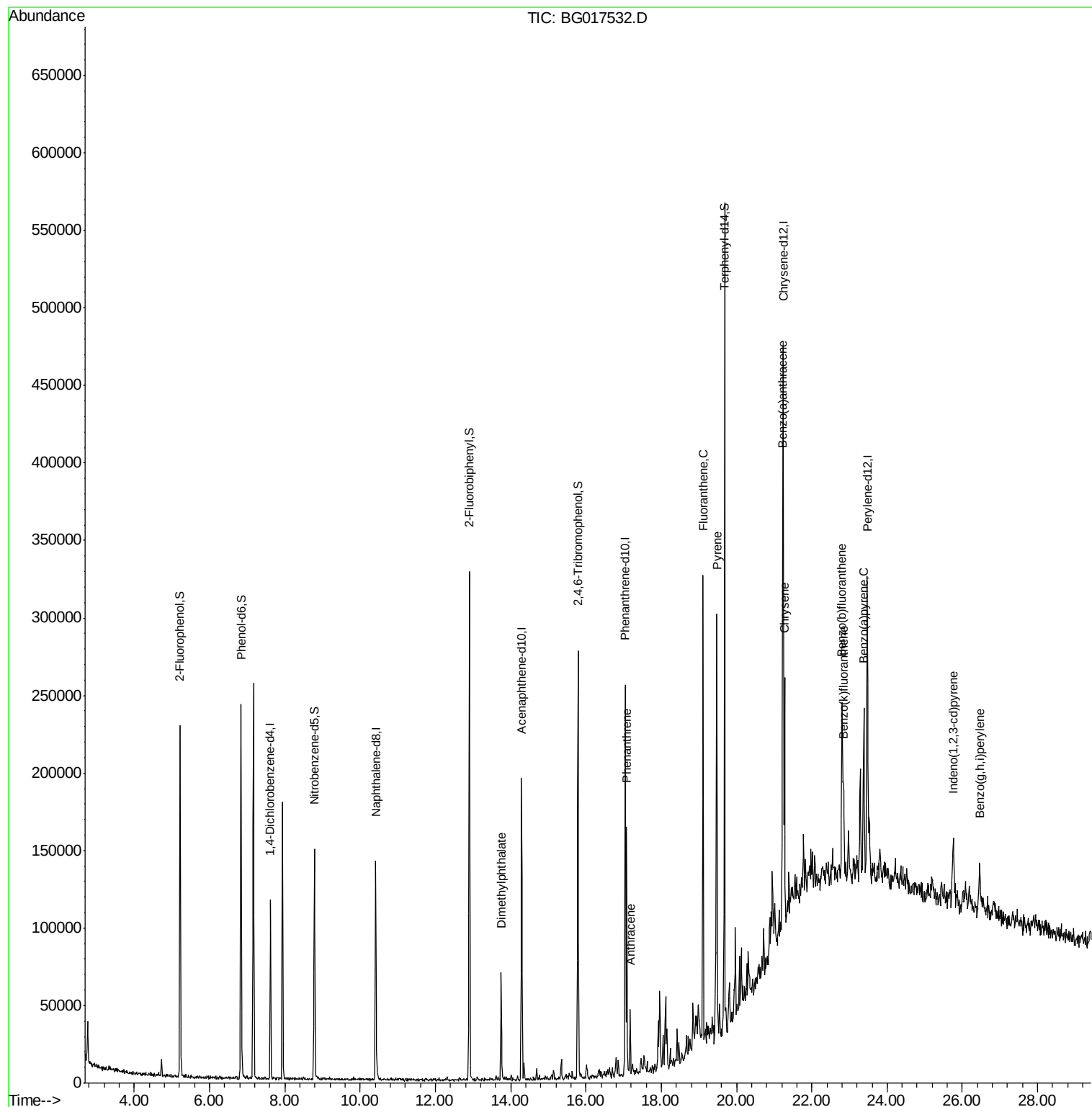
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017532.D
Acq On : 7 Jun 2015 13:24
Operator : TP/IZ
Sample : G2457-01 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

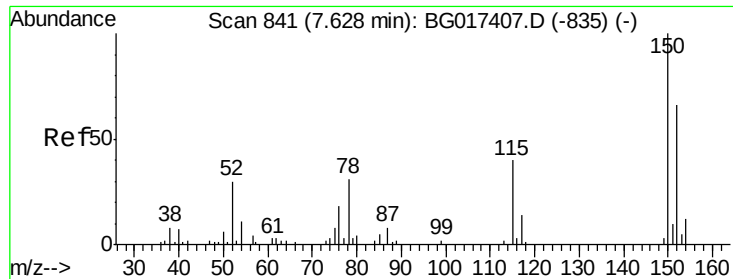
Instrument :
BNA_G
ClientSampleId :
SP-1

Manual Integrations
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6/8/2015 6:01:02 PM

Quant Time: Jun 08 08:10:34 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 04 01:31:15 2015
Response via : Initial Calibration





#1

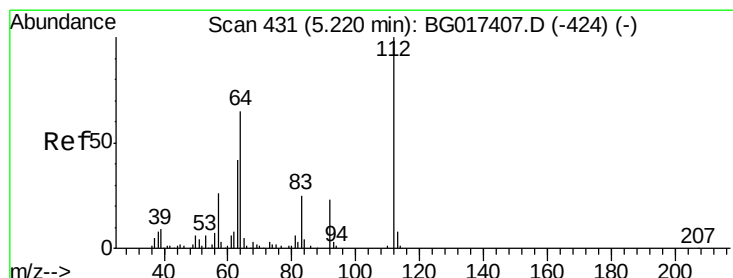
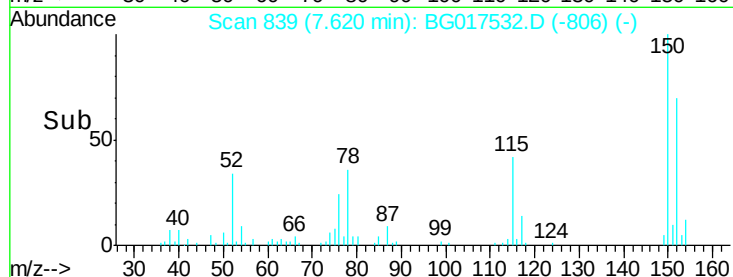
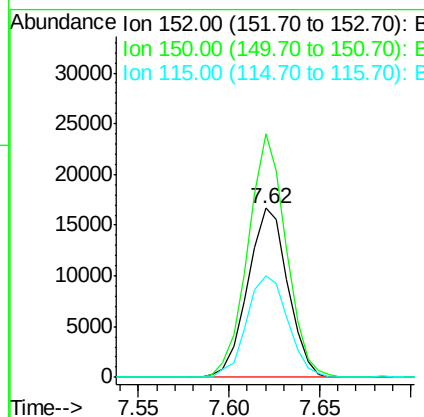
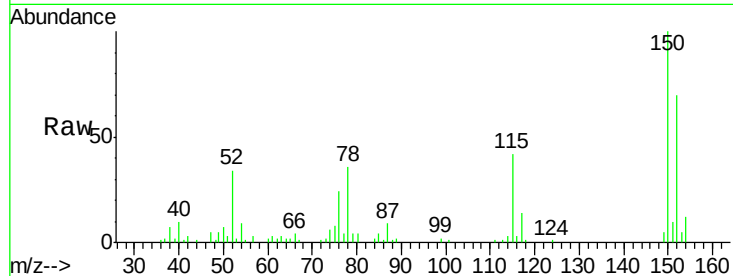
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.62 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG017532.D
Acq: 7 Jun 2015 13:24

Instrument :
BNA_G
ClientSampled :
SP-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	143.9	121.7	182.5
115	60.1	48.6	73.0

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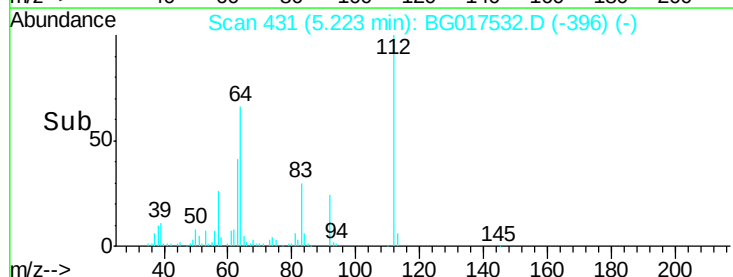
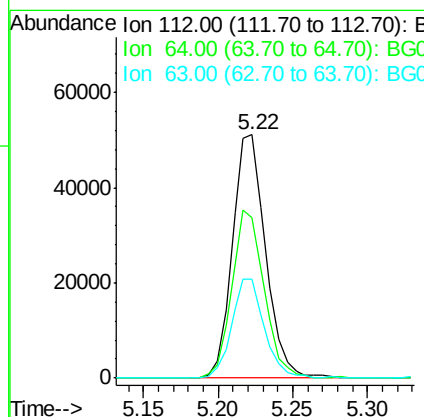
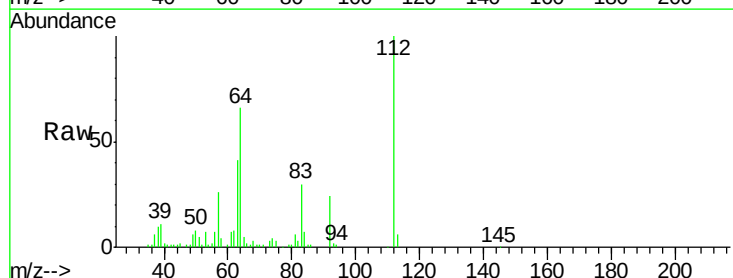
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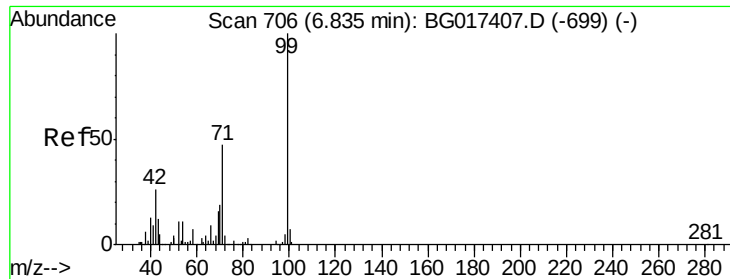


#5

2-Fluorophenol
Concen: 54.41 ng
RT: 5.22 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG017532.D
Acq: 7 Jun 2015 13:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	51.6	77.4
63	40.7	33.3	49.9





#7

Phenol-d6

Concen: 52.93 ng

RT: 6.83 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG017532.D

Acq: 7 Jun 2015 13:24

Instrument :

BNA_G

ClientSampled :

SP-1

Tgt Ion: 99 Resp: 104762

Ion Ratio Lower Upper

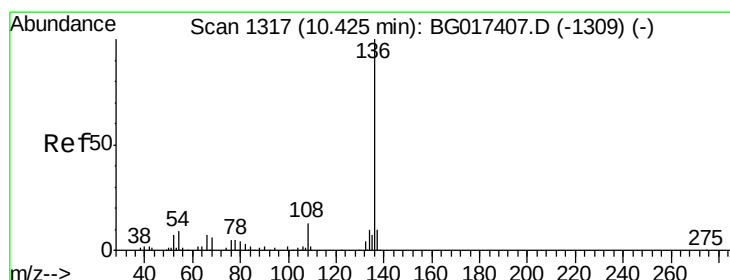
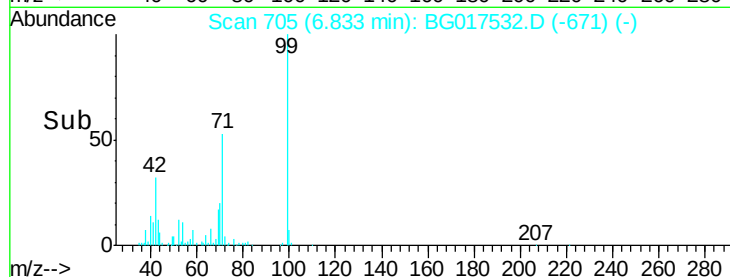
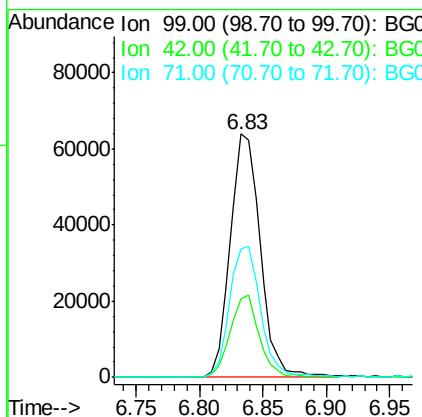
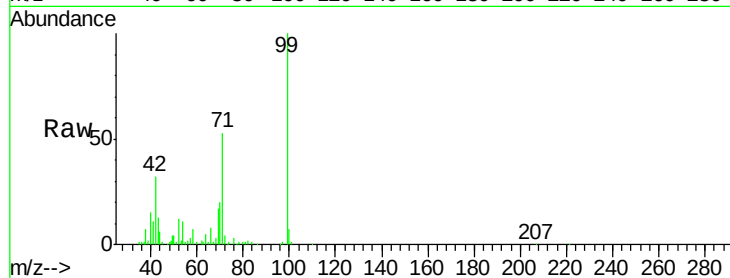
99 100

42 32.2 21.0 31.6#

71 52.9 37.2 55.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.42 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BG017532.D

Acq: 7 Jun 2015 13:24

Tgt Ion: 136 Resp: 104192

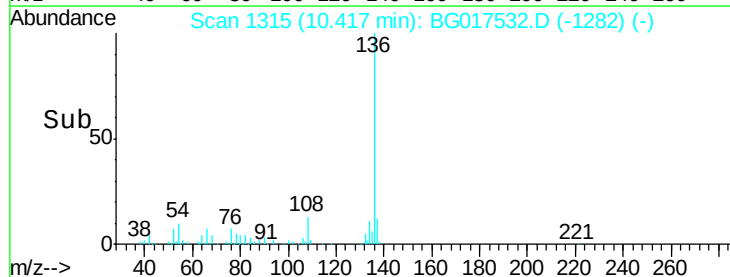
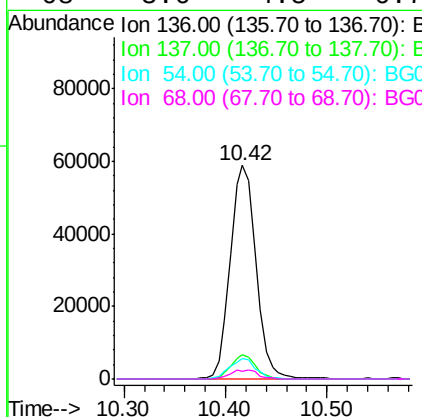
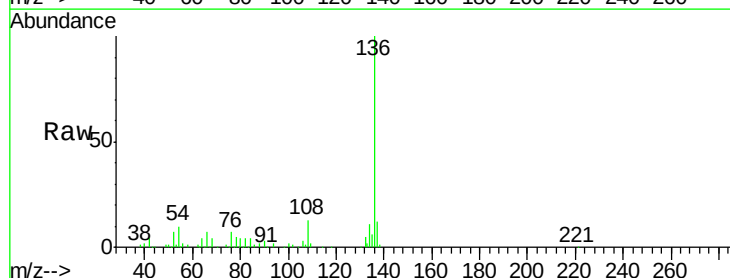
Ion Ratio Lower Upper

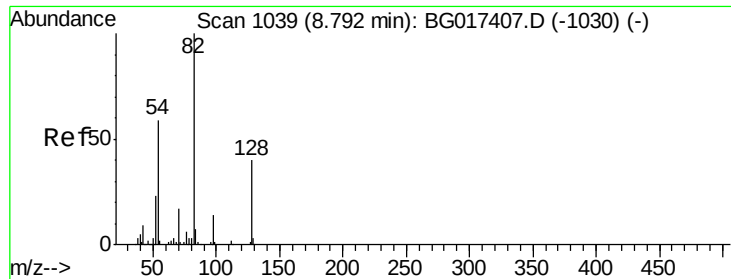
136 100

137 11.6 7.9 11.9

54 9.5 7.2 10.8

68 3.6 4.5 6.7#





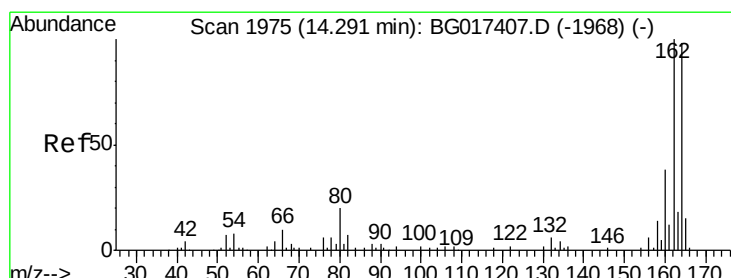
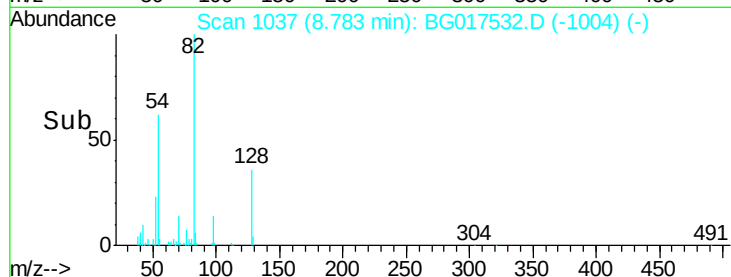
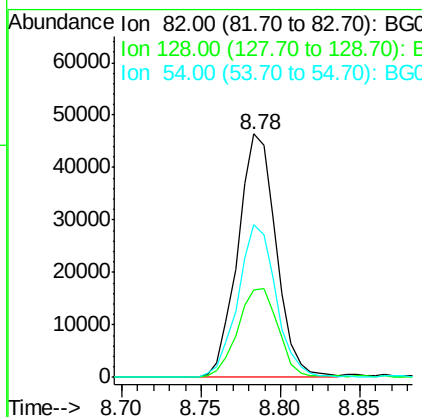
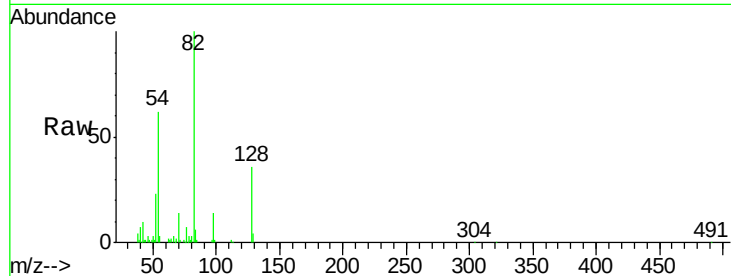
#23
 Nitrobenzene-d5
 Concen: 37.22 ng
 RT: 8.78 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BG017532.D
 Acq: 7 Jun 2015 13:24

Instrument :
 BNA_G
 ClientSampleId :
 SP-1

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.1	32.2	48.4
54	62.5	47.4	71.2

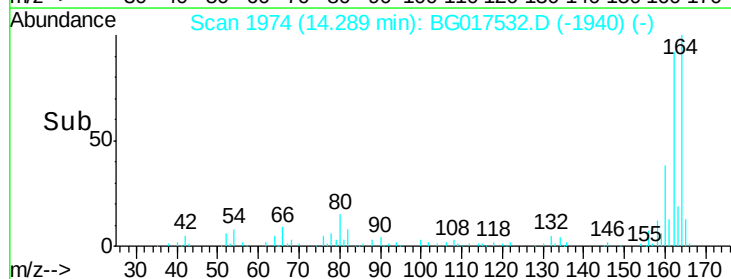
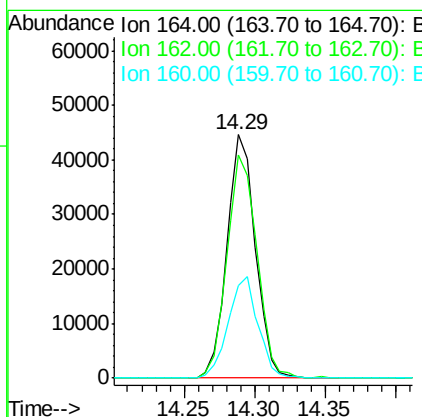
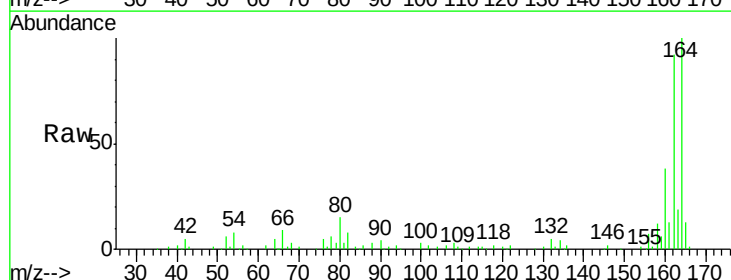
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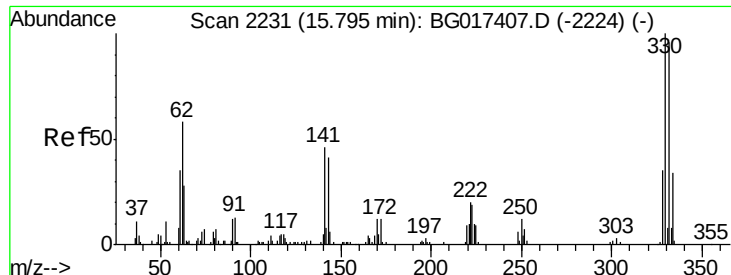
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.29 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: BG017532.D
 Acq: 7 Jun 2015 13:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	91.7	81.8	122.6
160	37.8	31.0	46.4





#41

2,4,6-Tribromophenol

Concen: 46.29 ng

RT: 15.79 min Scan# 2230

Delta R.T. -0.00 min

Lab File: BG017532.D

Acq: 7 Jun 2015 13:24

Instrument :

BNA_G

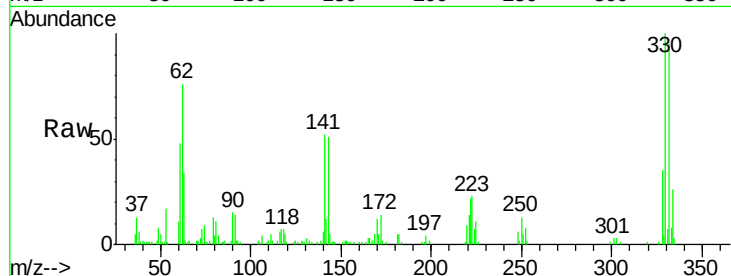
ClientSampled :

SP-1

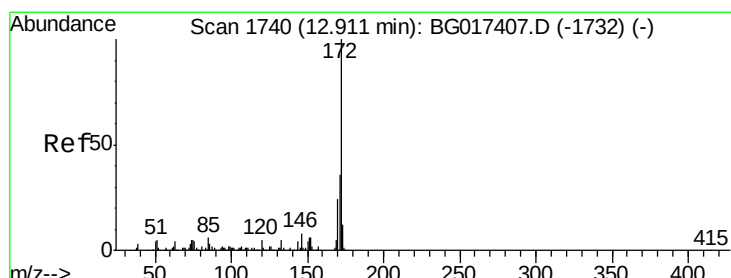
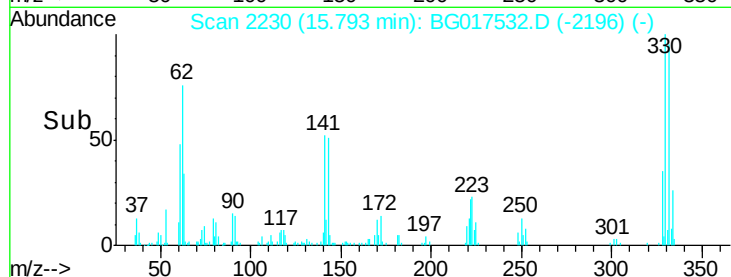
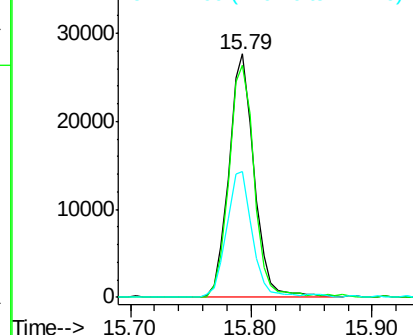
Tgt Ion:	330	Resp:	40198
Ion Ratio	Lower	Upper	
330	100		
332	94.9	75.9	113.9
141	51.8	40.2	60.4

Manual Integrations
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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: 36.18 ng

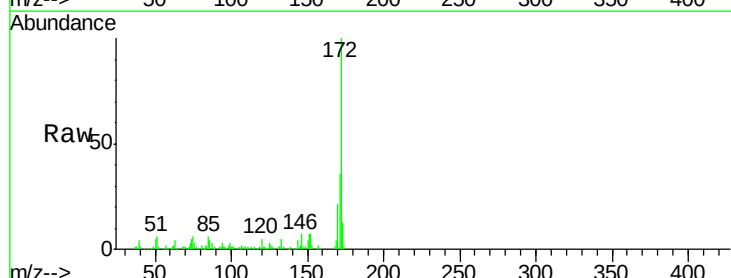
RT: 12.90 min Scan# 1738

Delta R.T. -0.01 min

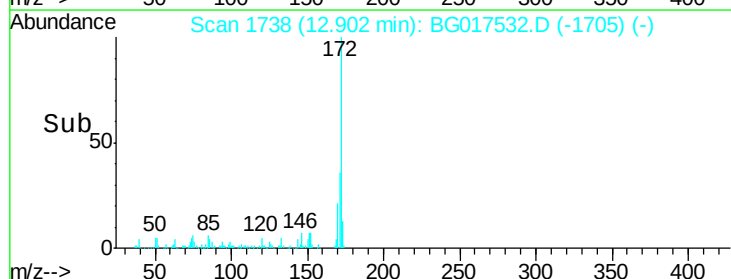
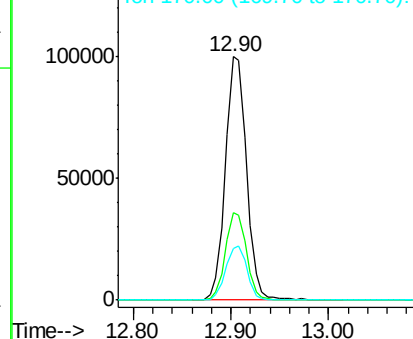
Lab File: BG017532.D

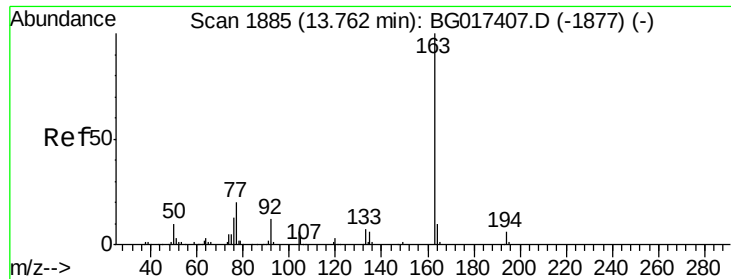
Acq: 7 Jun 2015 13:24

Tgt Ion:	172	Resp:	149974
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.0	43.6
170	21.1	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





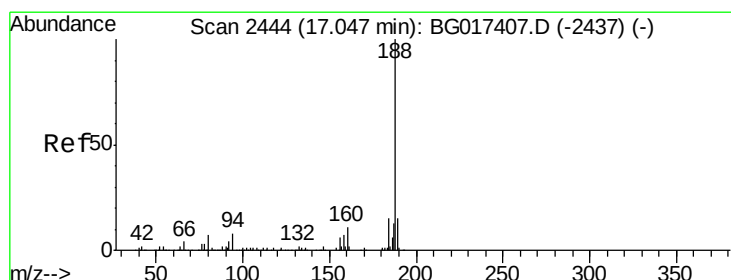
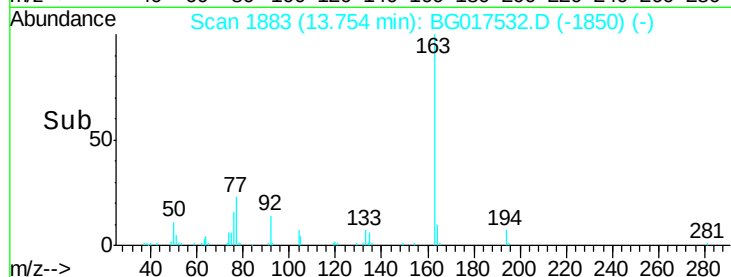
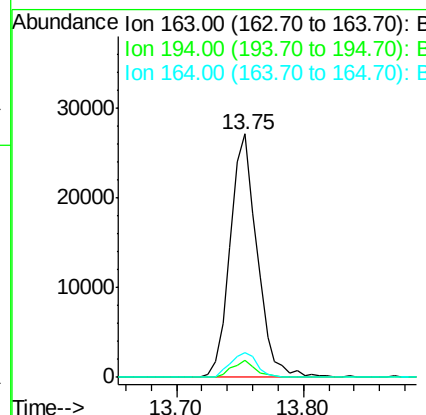
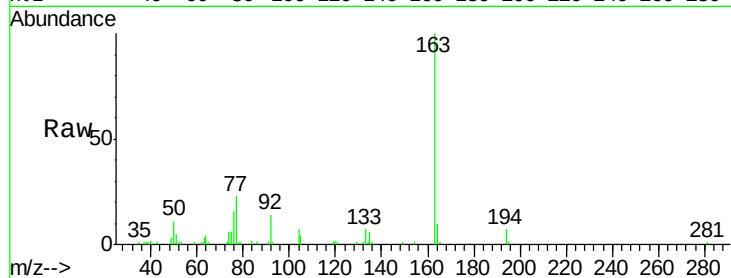
#49
Dimethylphthalate
Concen: 7.31 ng
RT: 13.75 min Scan# 1883
Delta R.T. -0.01 min
Lab File: BG017532.D
Acq: 7 Jun 2015 13:24

Instrument :
BNA_G
ClientSampleId :
SP-1

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	39767		
194	7.0	4.9	7.3	
164	9.9	8.2	12.2	

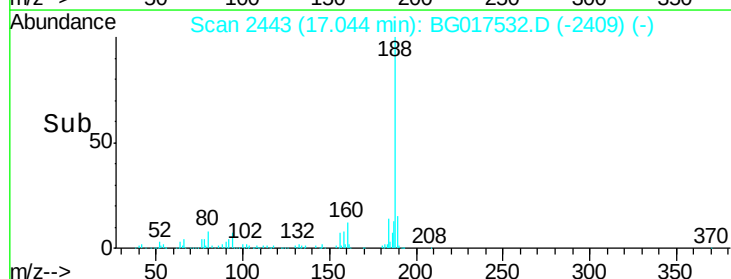
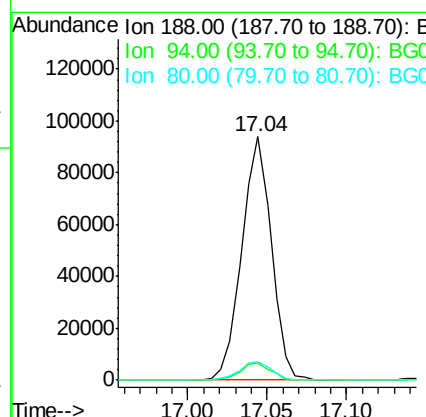
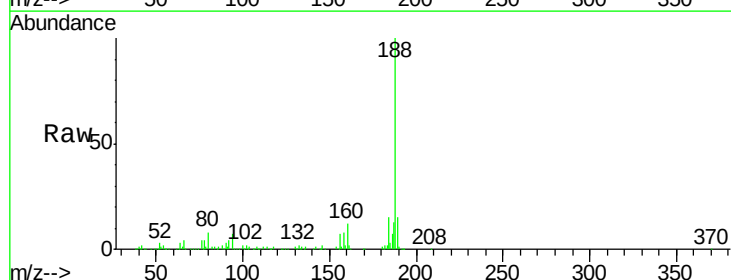
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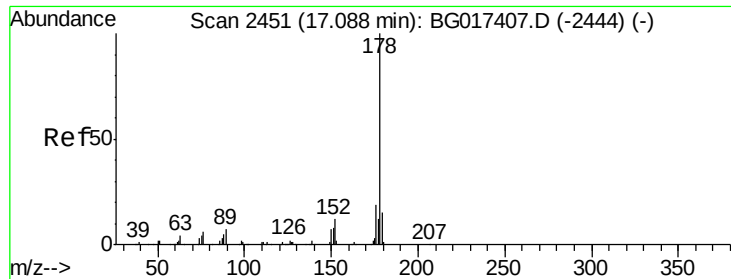
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.04 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG017532.D
Acq: 7 Jun 2015 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	121446		
94	6.8	6.3	9.5	
80	7.7	5.2	7.8	





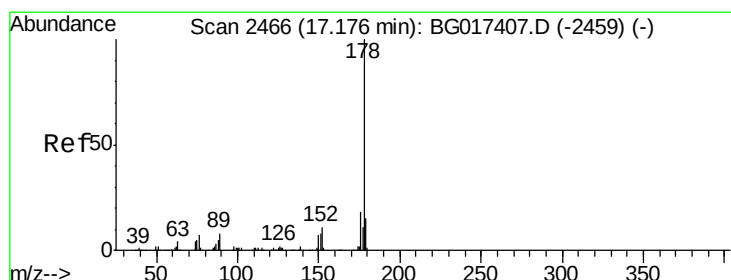
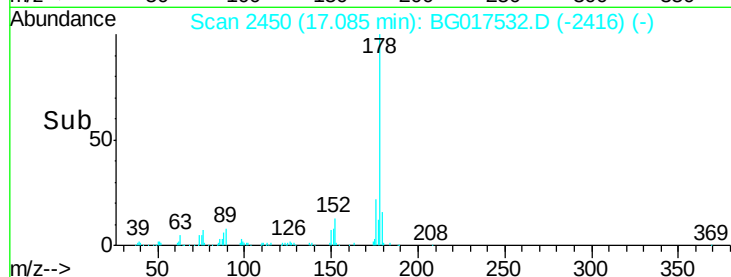
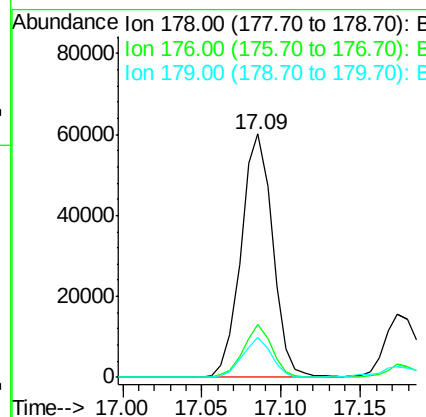
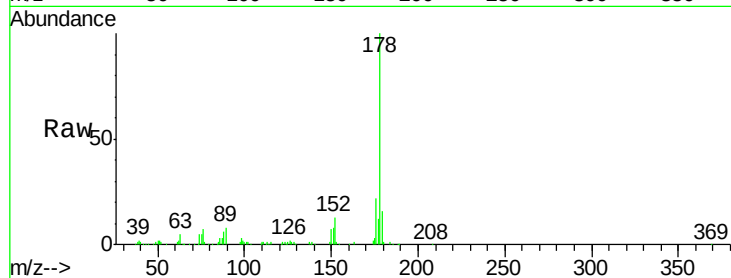
#70
Phenanthrene
Concen: 12.28 ng
RT: 17.09 min Scan# 2450
Delta R.T. -0.00 min
Lab File: BG017532.D
Acq: 7 Jun 2015 13:24

Instrument :
BNA_G
ClientSampleId :
SP-1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.8	15.6	23.4
179	16.3	12.2	18.2

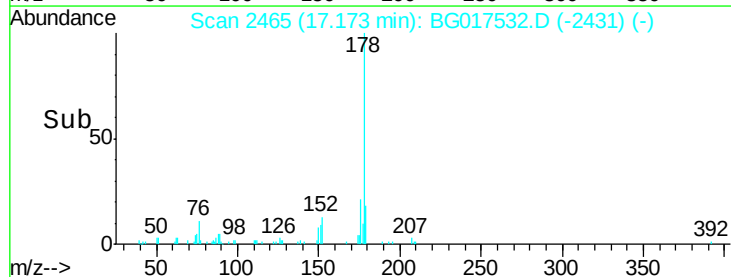
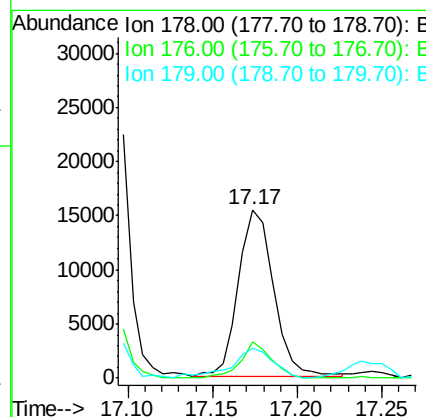
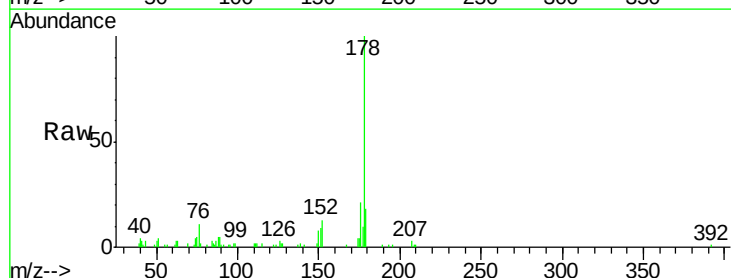
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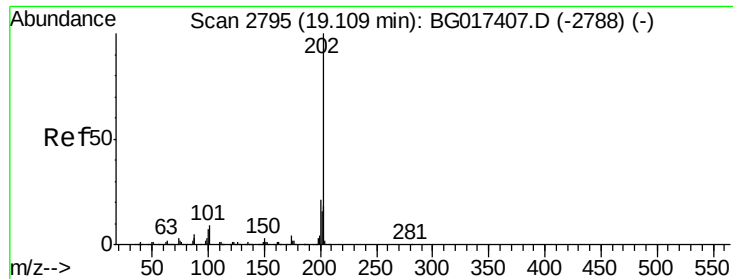
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#71
Anthracene
Concen: 3.31 ng
RT: 17.17 min Scan# 2465
Delta R.T. -0.00 min
Lab File: BG017532.D
Acq: 7 Jun 2015 13:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	14.2	21.2#
179	17.9	12.2	18.4





#74

Fluoranthene

Concen: 18.42 ng

RT: 19.11 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG017532.D

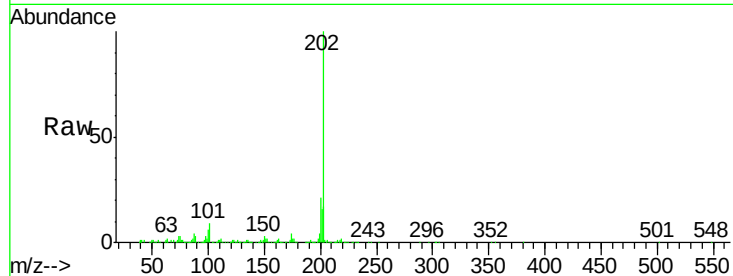
Acq: 7 Jun 2015 13:24

Instrument :

BNA_G

ClientSampleId :

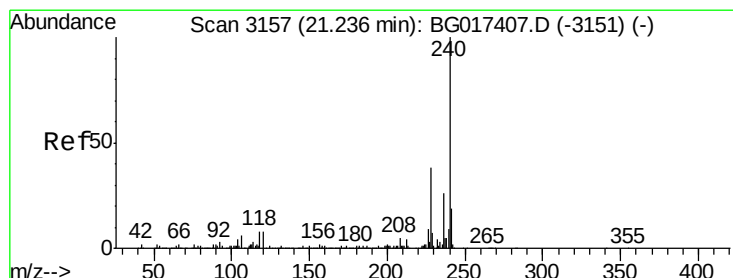
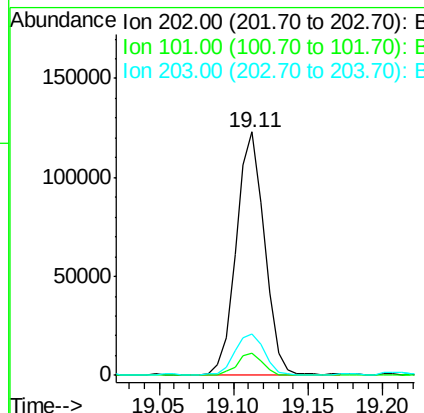
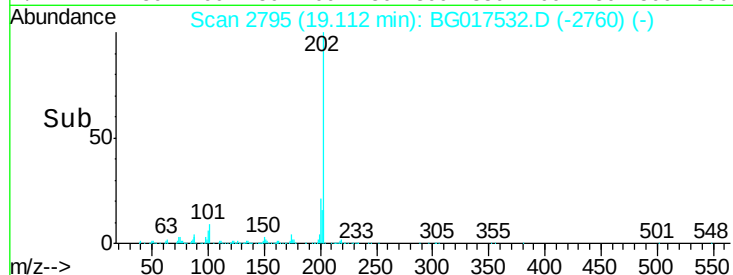
SP-1



Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		163121		
101	8.9	0.0	28.8		
203	16.8	0.0	37.6		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

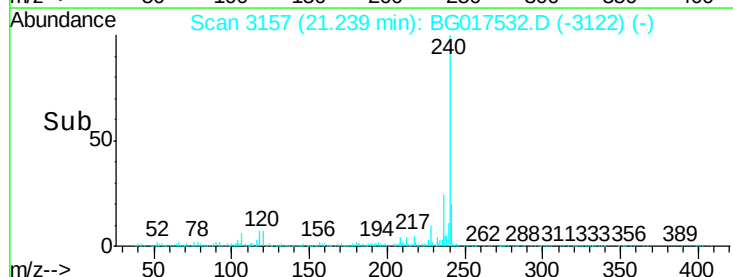
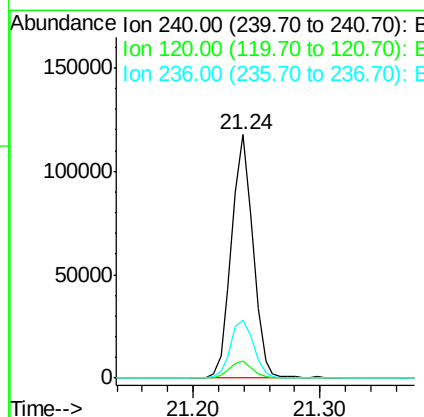
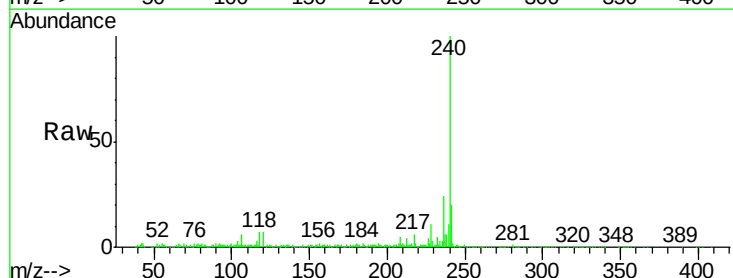
RT: 21.24 min Scan# 3157

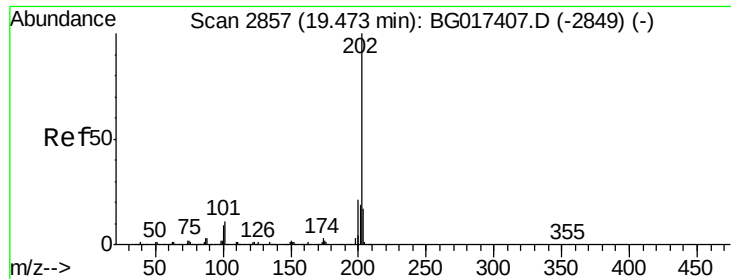
Delta R.T. 0.00 min

Lab File: BG017532.D

Acq: 7 Jun 2015 13:24

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		138307		
120	6.9	6.5	9.7		
236	24.0	20.8	31.2		





#77

Pyrene

Concen: 18.79 ng

RT: 19.48 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BG017532.D

Acq: 7 Jun 2015 13:24

Instrument :

BNA_G

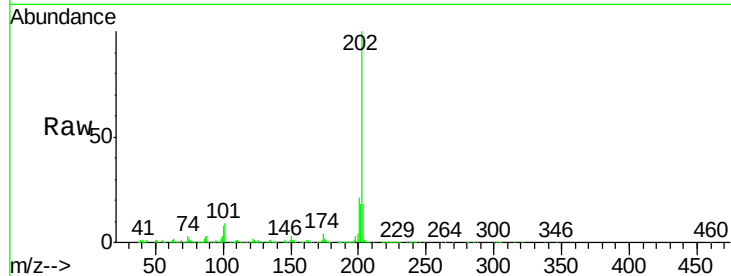
ClientSampleId :

SP-1

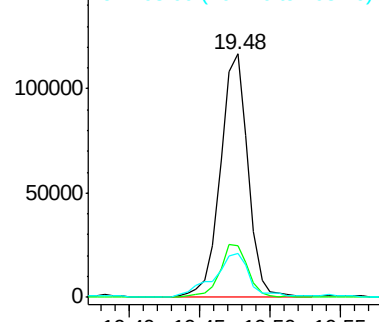
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	160086		
200	21.2	17.0	25.4	
203	17.9	13.9	20.9	

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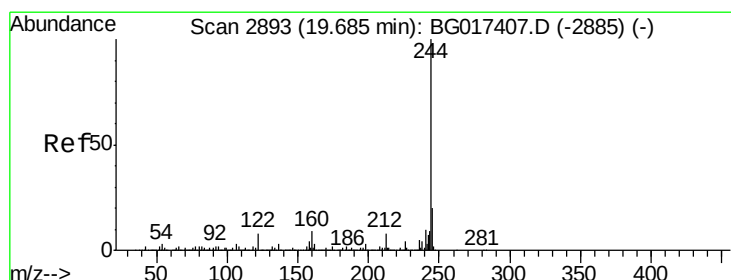
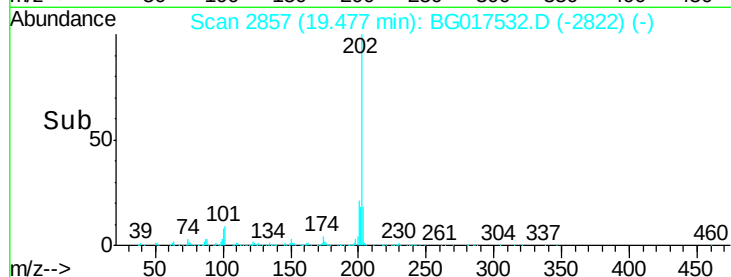
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 29.47 ng

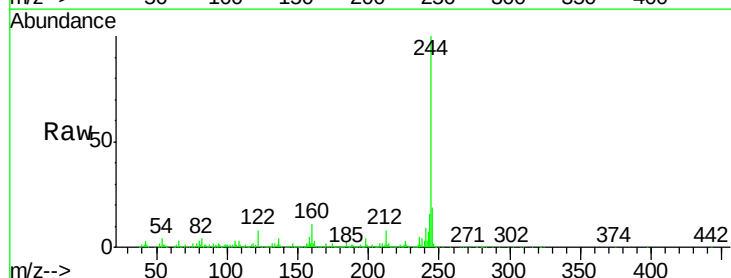
RT: 19.68 min Scan# 2892

Delta R.T. -0.00 min

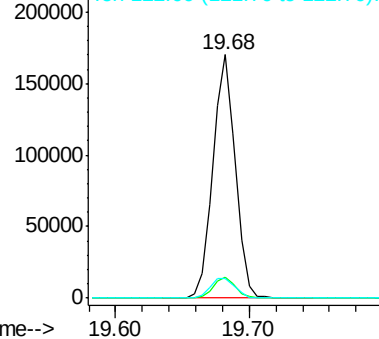
Lab File: BG017532.D

Acq: 7 Jun 2015 13:24

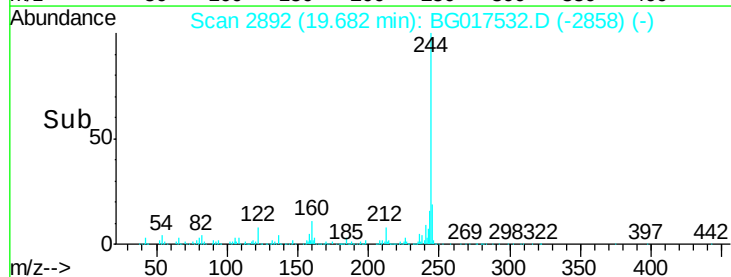
Tgt Ion	Ratio	Resp	Lower	Upper
244	100	197216		
212	8.5	6.4	9.6	
122	8.2	6.6	10.0	

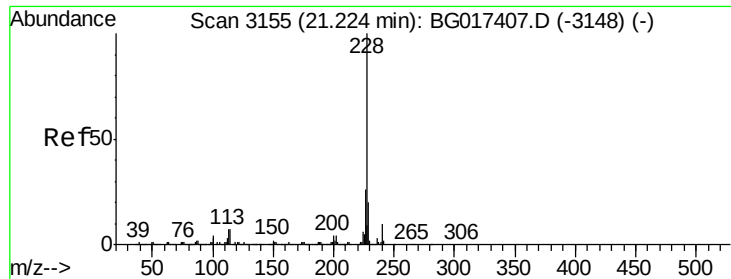


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





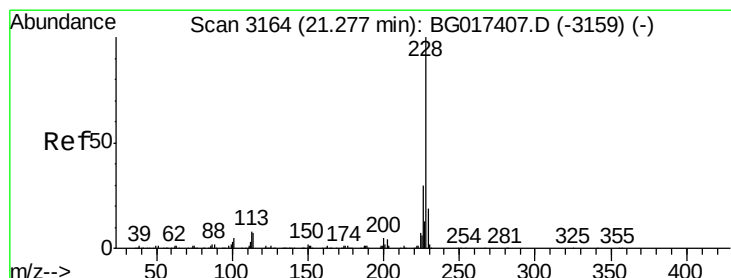
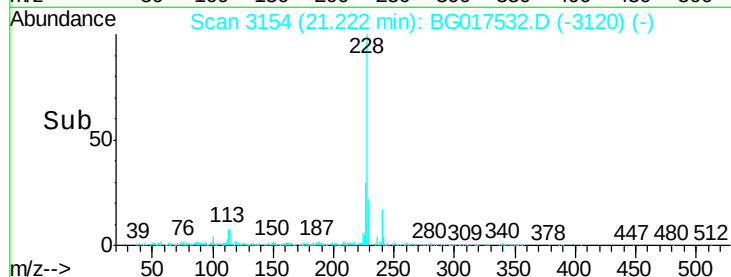
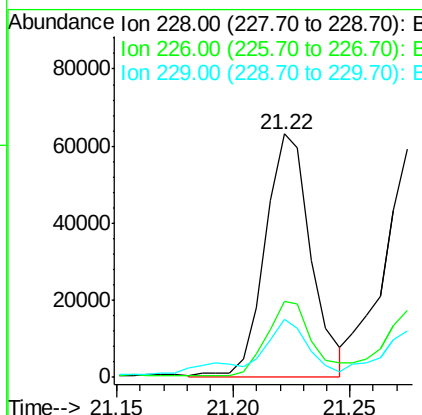
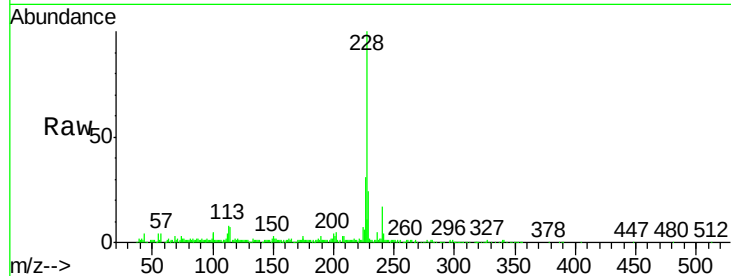
#80
Benzo(a)anthracene
Concen: 10.16 ng m
RT: 21.22 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BG017532.D
Acq: 7 Jun 2015 13:24

Instrument :
BNA_G
ClientSampleId :
SP-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.0	31.6
229	24.0	15.7	23.5

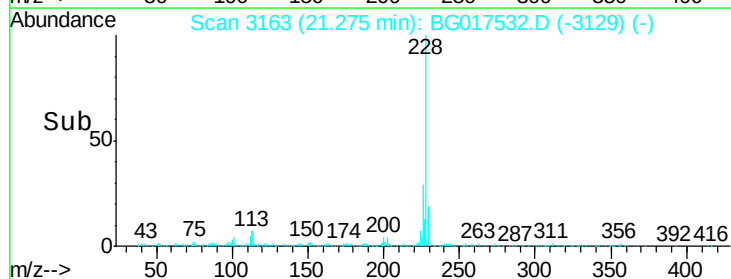
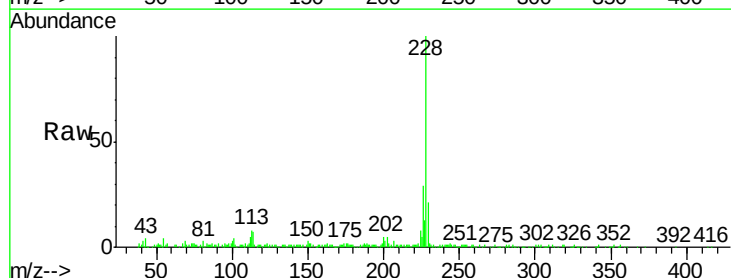
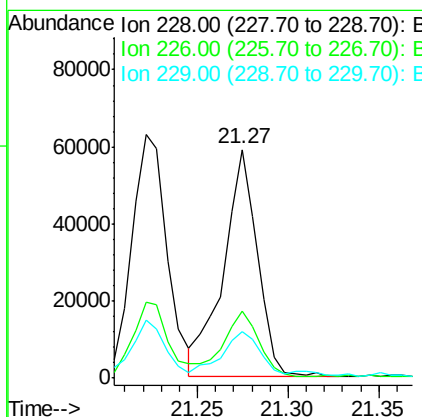
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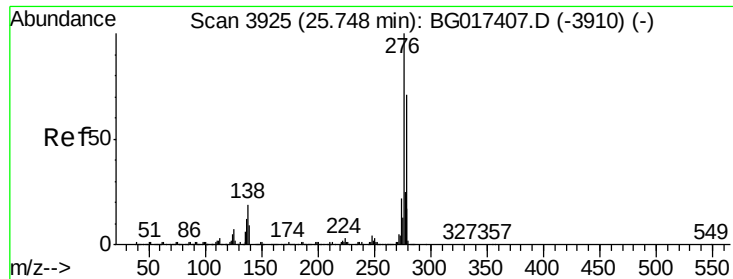
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#82
Chrysene
Concen: 10.03 ng
RT: 21.27 min Scan# 3163
Delta R.T. -0.00 min
Lab File: BG017532.D
Acq: 7 Jun 2015 13:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.7	35.5
229	20.6	15.2	22.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.07 ng

RT: 25.76 min Scan# 3926

Delta R.T. 0.01 min

Lab File: BG017532.D

Acq: 7 Jun 2015 13:24

Instrument :

BNA_G

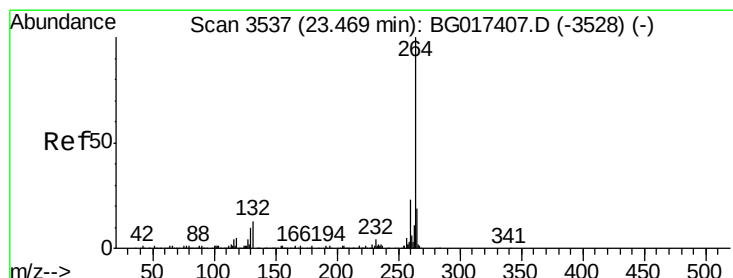
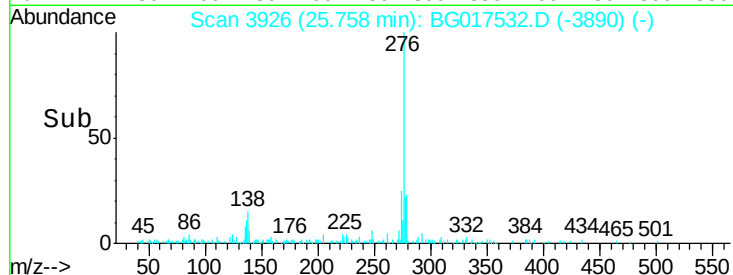
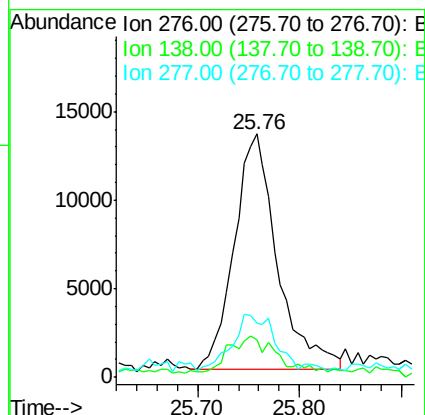
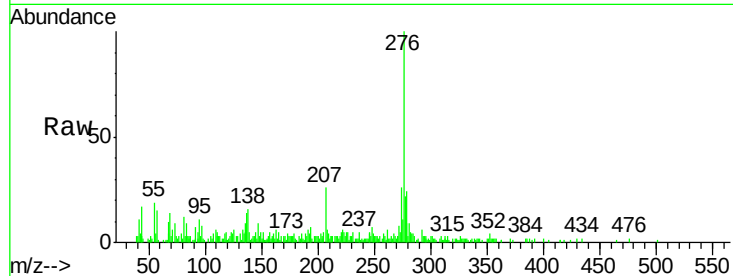
ClientSampleId :

SP-1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.7	15.4	23.0
277	22.7	20.5	30.7

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#86

Perylene-d12

Concen: 20.00 ng

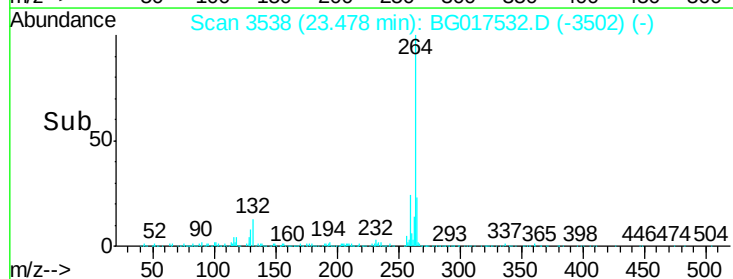
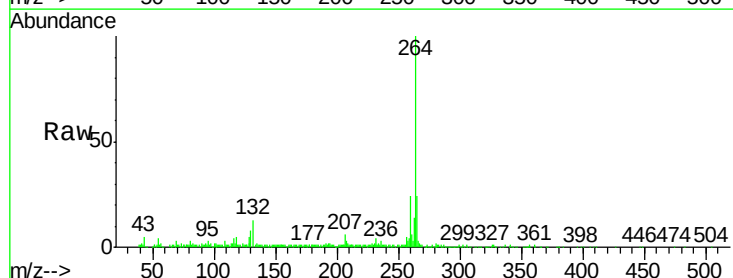
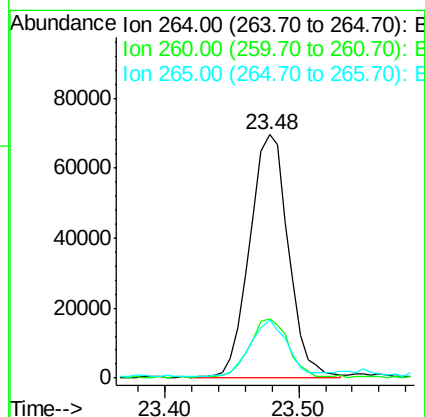
RT: 23.48 min Scan# 3538

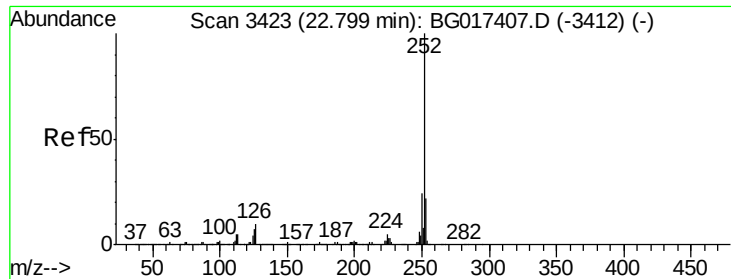
Delta R.T. 0.01 min

Lab File: BG017532.D

Acq: 7 Jun 2015 13:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.4
265	23.8	15.8	23.6#





#87

Benzo(b)fluoranthene

Concen: 10.54 ng m

RT: 22.81 min Scan# 3424

Delta R.T. 0.01 min

Lab File: BG017532.D

Acq: 7 Jun 2015 13:24

Instrument :

BNA_G

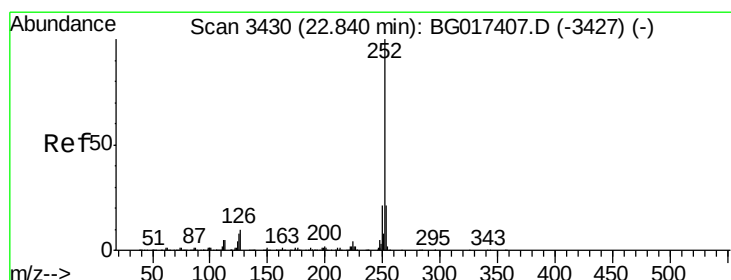
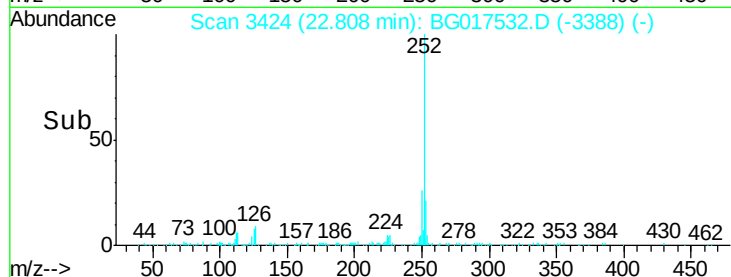
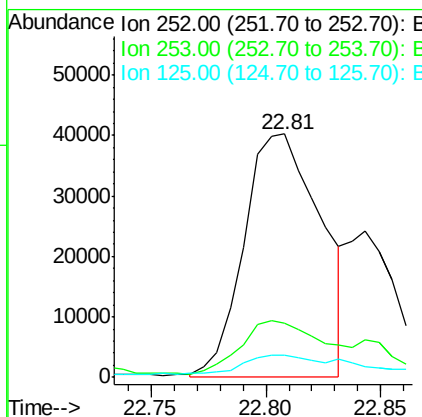
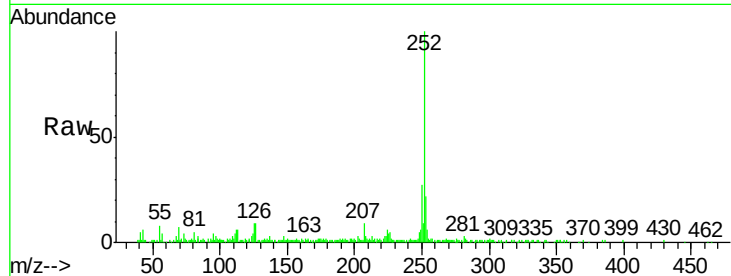
ClientSampled :

SP-1

Tgt Ion:	252	Resp:	93767
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.2
125	9.1	5.8	8.8#

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#88

Benzo(k)fluoranthene

Concen: 4.06 ng m

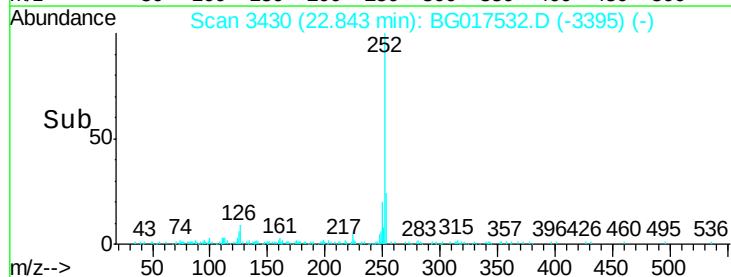
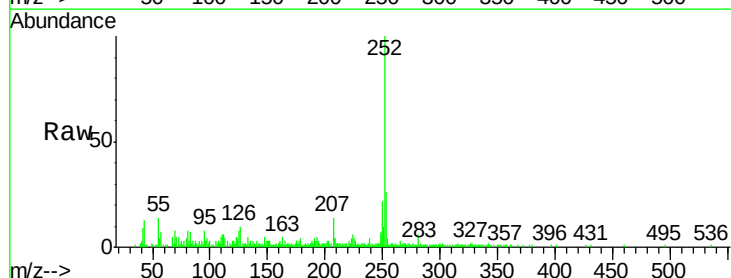
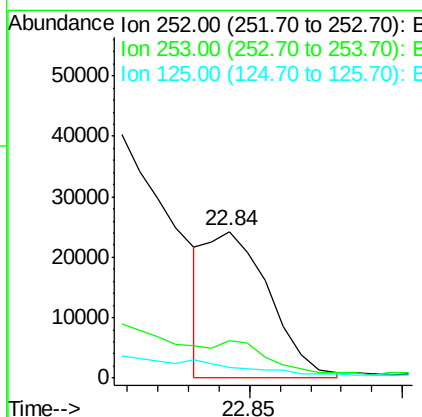
RT: 22.84 min Scan# 3430

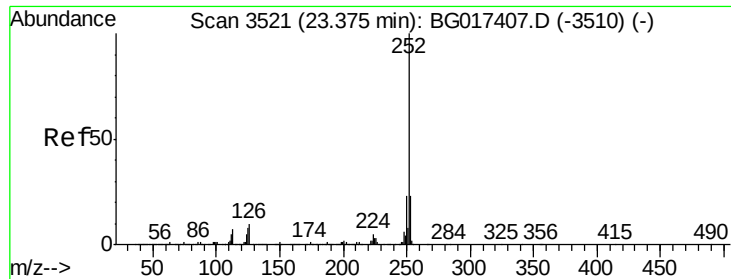
Delta R.T. 0.00 min

Lab File: BG017532.D

Acq: 7 Jun 2015 13:24

Tgt Ion:	252	Resp:	34564
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.7	26.5
125	7.5	6.5	9.7





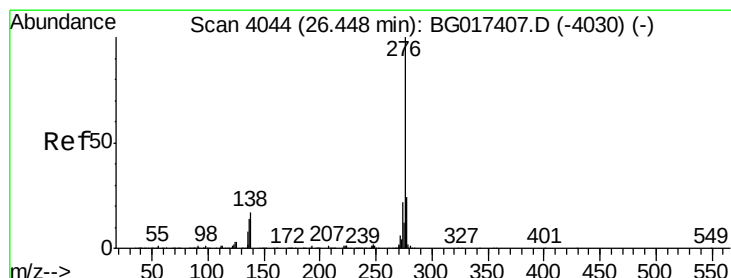
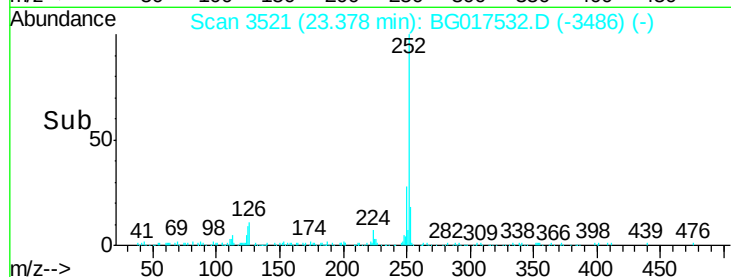
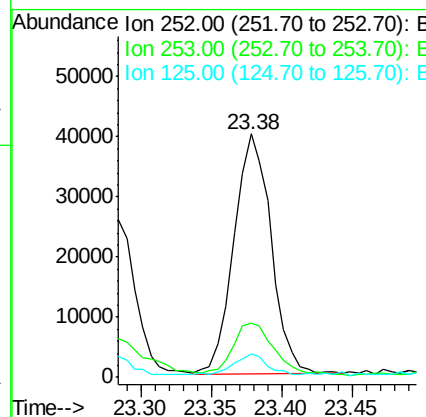
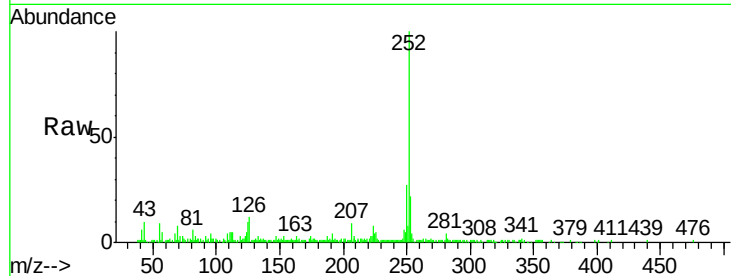
#89
Benzo(a)pyrene
Concen: 9.01 ng
RT: 23.38 min Scan# 3521
Delta R.T. 0.00 min
Lab File: BG017532.D
Acq: 7 Jun 2015 13:24

Instrument :
BNA_G
ClientSampleId :
SP-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	9.8	6.5	9.7#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.53 ng
RT: 26.46 min Scan# 4046
Delta R.T. 0.01 min
Lab File: BG017532.D
Acq: 7 Jun 2015 13:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	19.2	28.8
138	13.2	13.5	20.3#

