

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017544.D
 Acq On : 8 Jun 2015 15:44
 Operator : TP/IZ
 Sample : G2464-16 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-15AS

Manual Integrations
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Quant Time: Jun 09 03:04:16 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 02:10:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	19277	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	79123	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	50821	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	110127	20.00	ng	0.00
75) Chrysene-d12	21.23	240	123685	20.00	ng	0.00
86) Perylene-d12	23.47	264	128280	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	26459	24.18	ng	0.00
7) Phenol-d6	6.83	99	33942	22.77	ng	0.00
23) Nitrobenzene-d5	8.78	82	24520	15.47	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	14081	19.95	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	52797	15.67	ng	0.00
78) Terphenyl-d14	19.68	244	80195	13.40	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.08	178	56733	9.24	ng	99
71) Anthracene	17.17	178	14285m	2.33	ng	
74) Fluoranthene	19.11	202	119541	14.89	ng	97
77) Pyrene	19.47	202	109138	14.32	ng	99
80) Benzo(a)anthracene	21.21	228	60627	7.97	ng	94
82) Chrysene	21.27	228	58447m	8.49	ng	
85) Indeno(1,2,3-cd)pyrene	25.74	276	36764	4.25	ng	94
87) Benzo(b)fluoranthene	22.80	252	77864	9.58	ng	98
88) Benzo(k)fluoranthene	22.83	252	25032m	3.22	ng	
89) Benzo(a)pyrene	23.37	252	58677	7.87	ng	96
91) Benzo(g,h,i)perylene	26.44	276	38748	5.26	ng	# 95

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

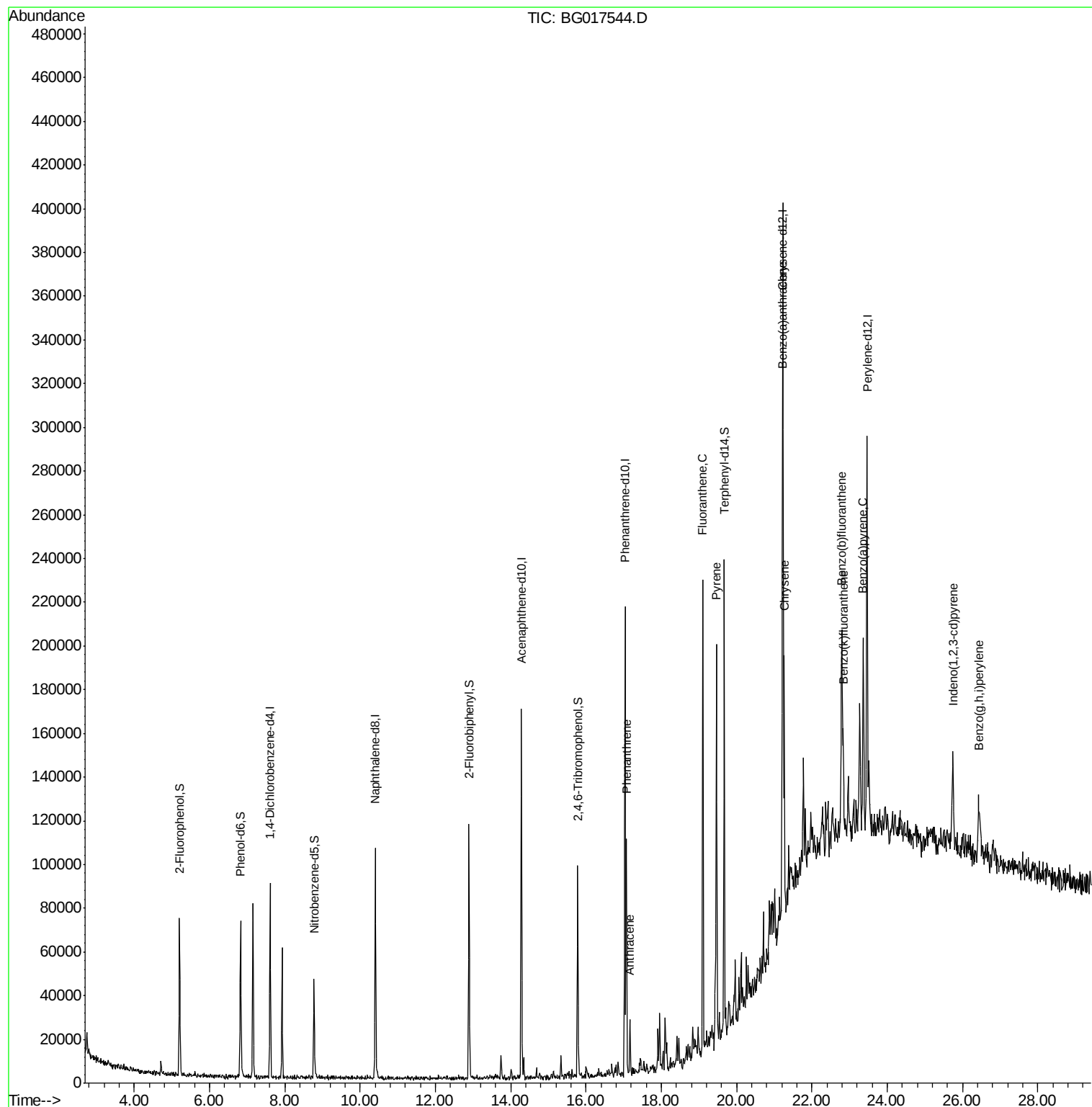
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017544.D
Acq On : 8 Jun 2015 15:44
Operator : TP/IZ
Sample : G2464-16 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

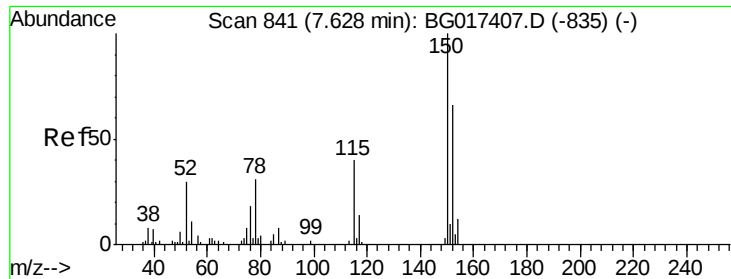
Instrument :
BNA_G
ClientSampleId :
SB-15AS

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Quant Time: Jun 09 03:04:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 02:10:45 2015
Response via : Initial Calibration

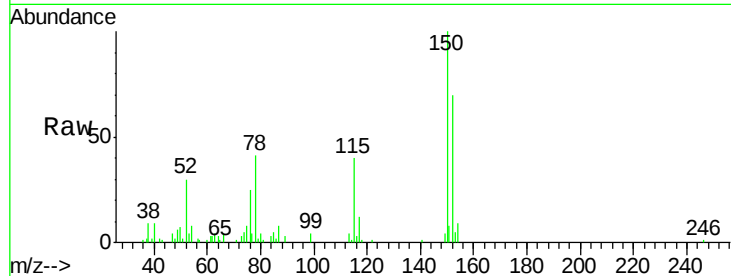




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG017544.D
Acq: 8 Jun 2015 15:44

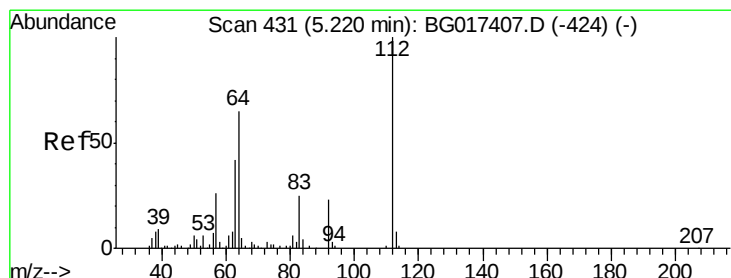
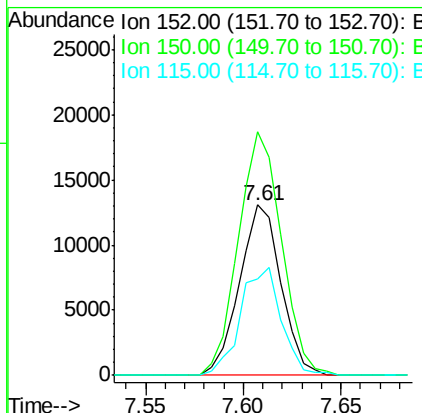
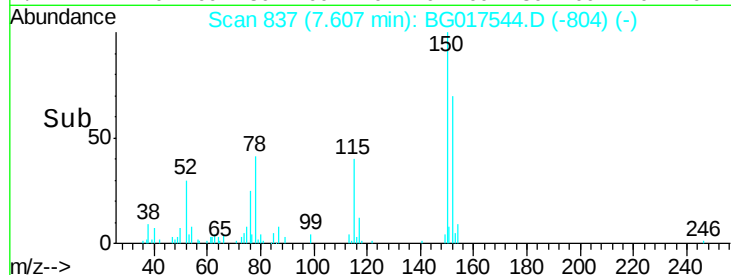
Instrument :
BNA_G
ClientSampleId :
SB-15AS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	143.1	121.7	182.5
115	56.9	48.6	73.0

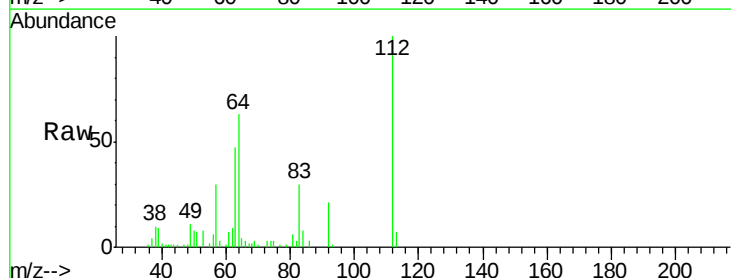
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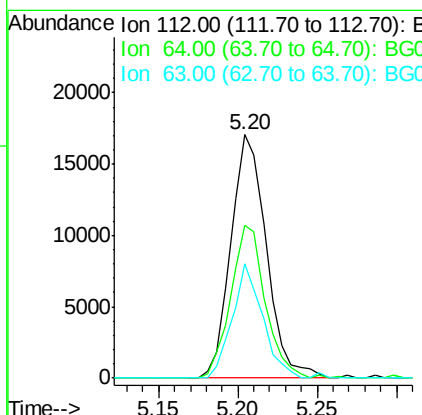
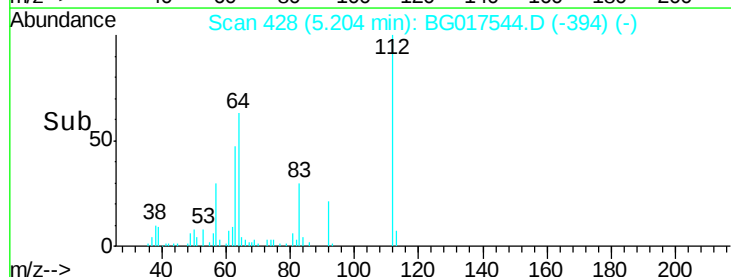


#5

2-Fluorophenol
Concen: 24.18 ng
RT: 5.20 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG017544.D
Acq: 8 Jun 2015 15:44



Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	51.6	77.4
63	47.0	33.3	49.9





#7

Phenol-d6

Concen: 22.77 ng

RT: 6.83 min Scan# 704

Delta R.T. 0.01 min

Lab File: BG017544.D

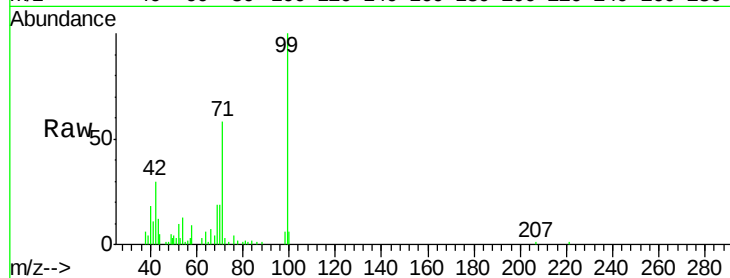
Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

ClientSampled :

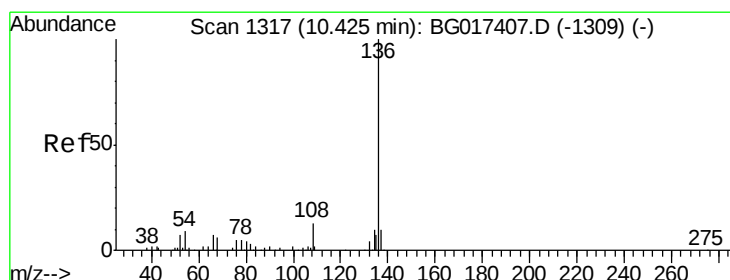
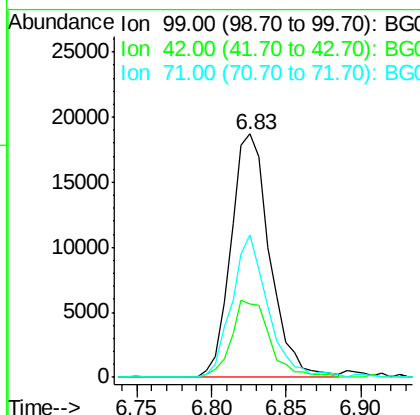
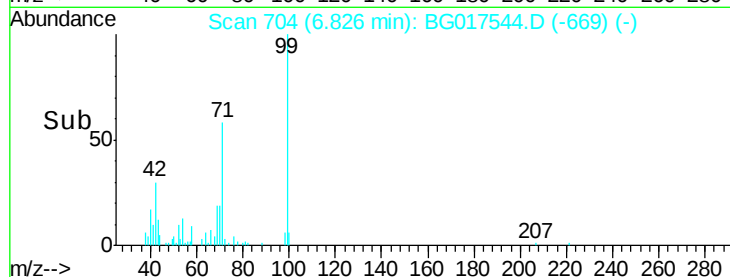
SB-15AS



Tgt Ion	Ratio	Lower	Upper
99	100		
42	30.2	21.0	31.6
71	58.3	37.2	55.8

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#21

Naphthalene-d8

Concen: 20.00 ng

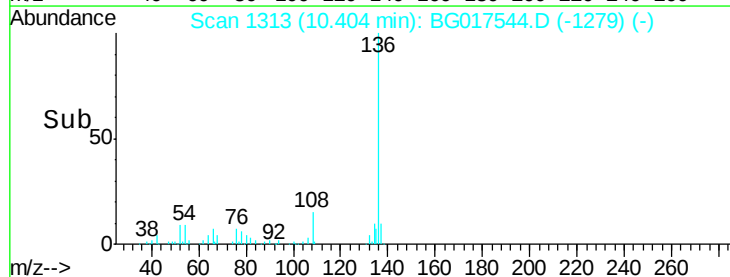
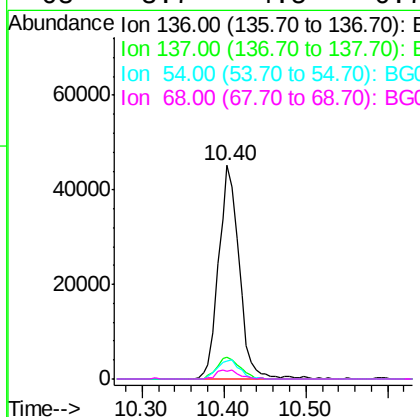
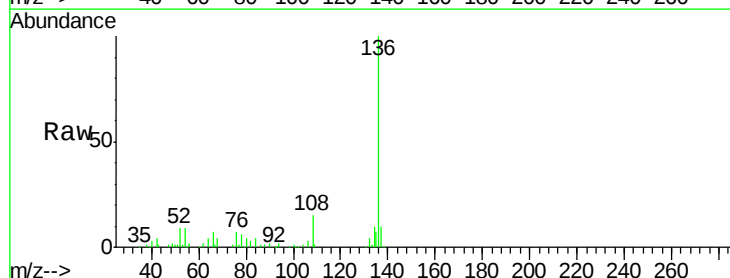
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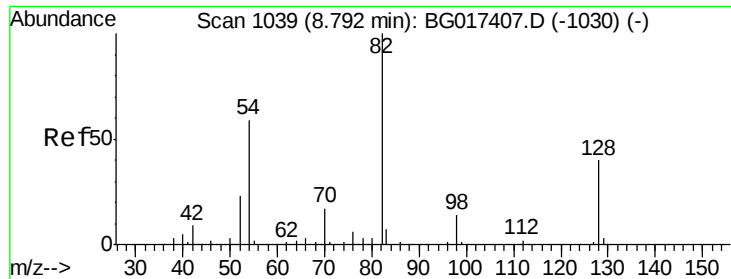
Delta R.T. 0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.3	7.9	11.9
54	8.5	7.2	10.8
68	3.7	4.5	6.7





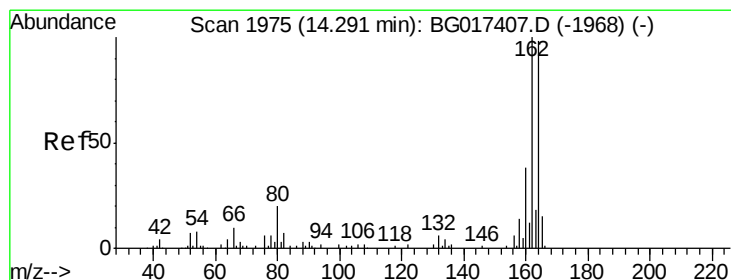
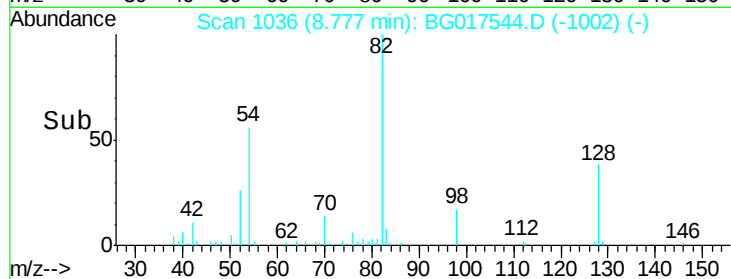
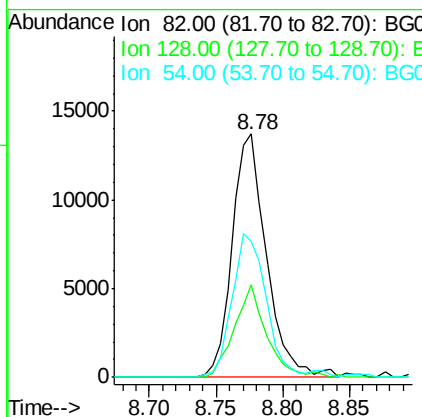
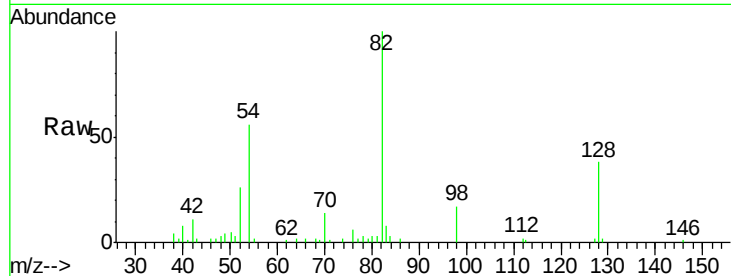
#23
 Nitrobenzene-d5
 Concen: 15.47 ng
 RT: 8.78 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

Instrument :
 BNA_G
 ClientSampleId :
 SB-15AS

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	24520		
128	38.0	32.2	48.4	
54	56.0	47.4	71.2	

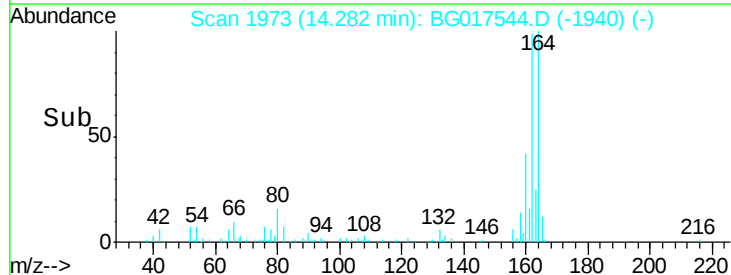
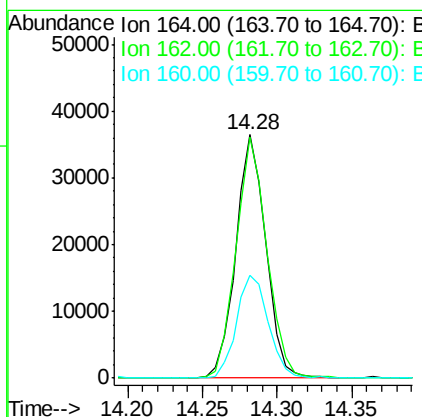
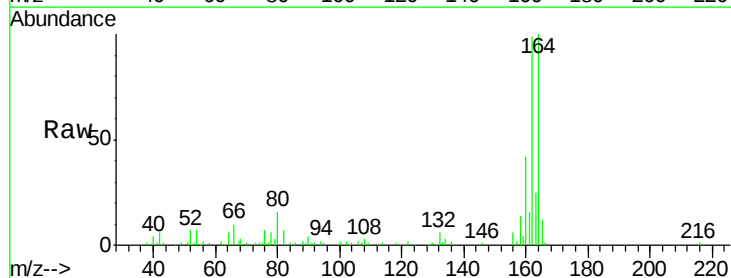
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.28 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50821		
162	99.2	81.8	122.6	
160	42.0	31.0	46.4	





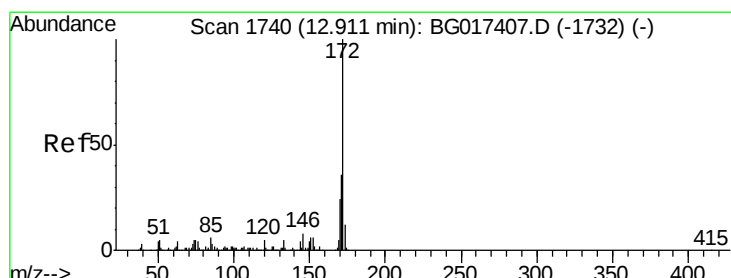
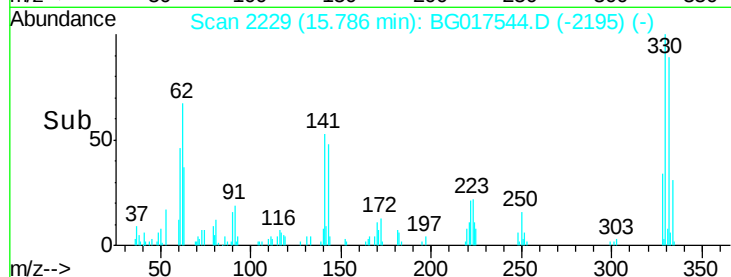
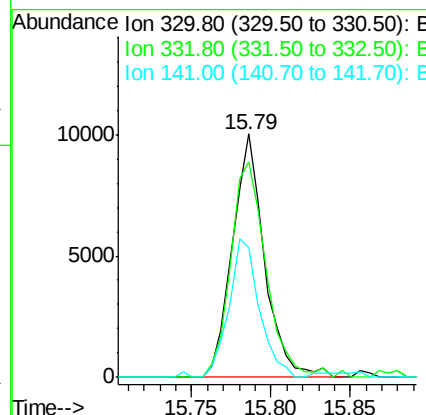
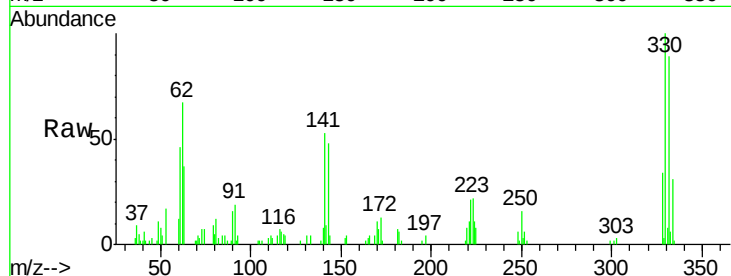
#41
 2,4,6-Tribromophenol
 Concen: 19.95 ng
 RT: 15.79 min Scan# 2229
 Delta R.T. 0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

Instrument :
 BNA_G
 ClientSampleId :
 SB-15AS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	14081		
332	97.7	75.9	113.9	
141	53.8	40.2	60.4	

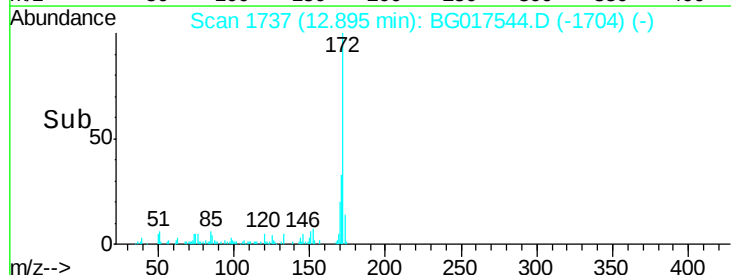
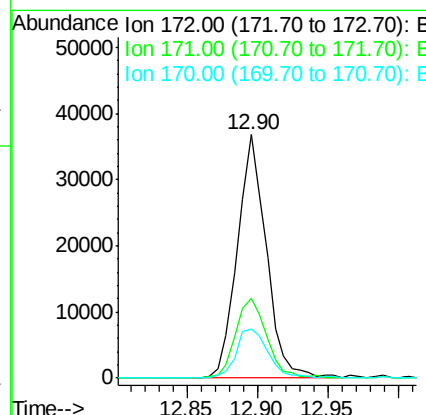
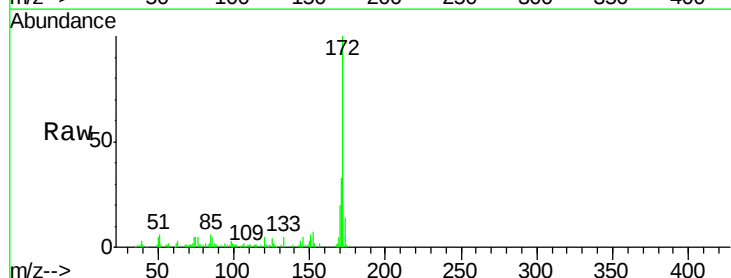
Manual Integrations
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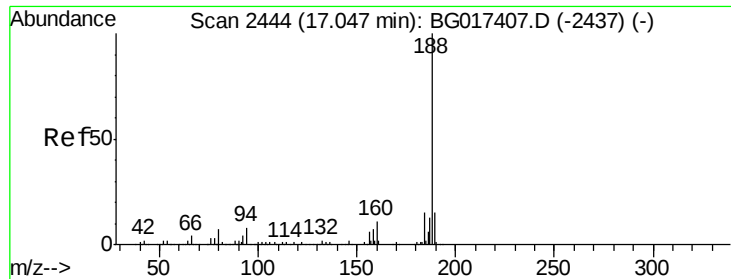
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#44
 2-Fluorobiphenyl
 Concen: 15.67 ng
 RT: 12.90 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	52797		
171	32.7	29.0	43.6	
170	19.9	18.9	28.3	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.04 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

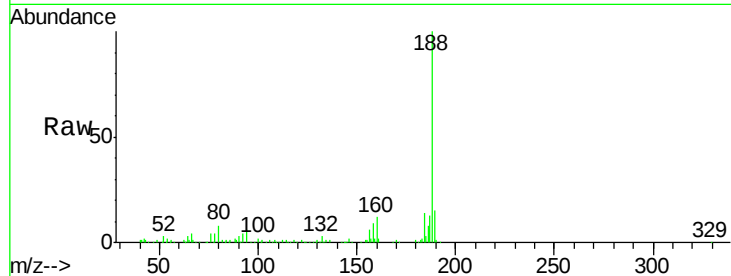
ClientSampleId :

SB-15AS

Tgt Ion:	188	Resp:	110127
Ion Ratio	Lower	Upper	
188	100		
94	5.9	6.3	9.5#
80	7.6	5.2	7.8

Manual Integrations
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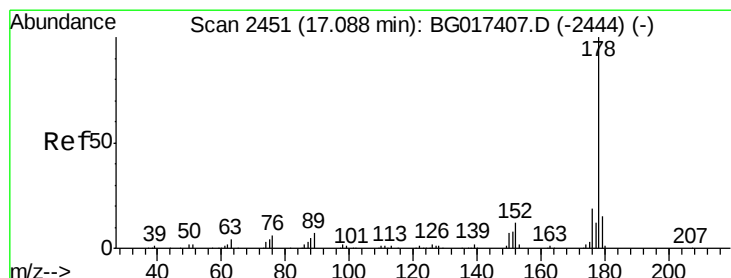
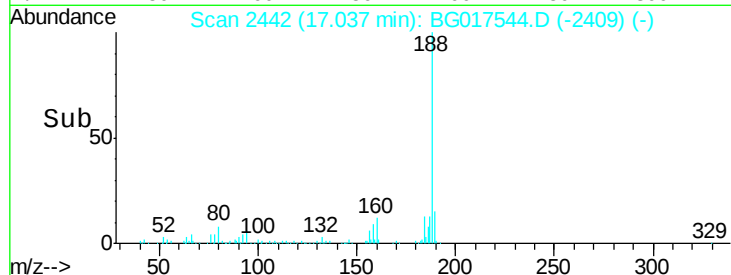
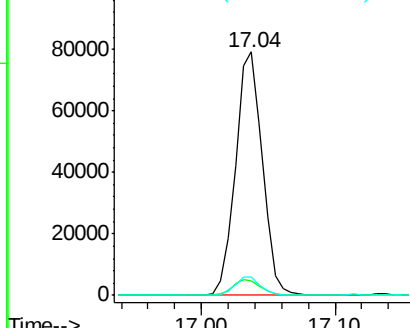
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#70

Phenanthrene

Concen: 9.24 ng

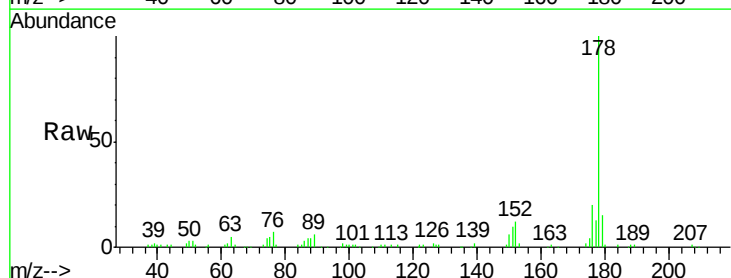
RT: 17.08 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

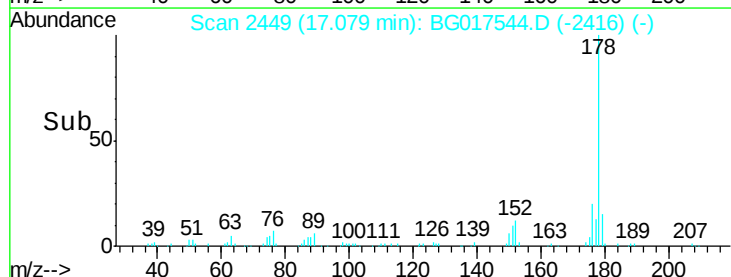
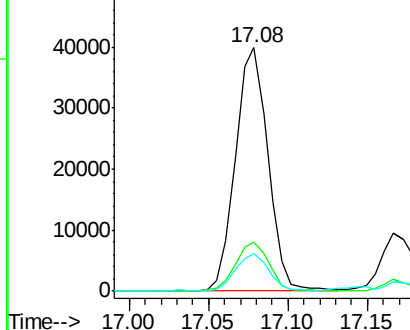
Tgt Ion:	178	Resp:	56733
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.6	23.4
179	15.4	12.2	18.2

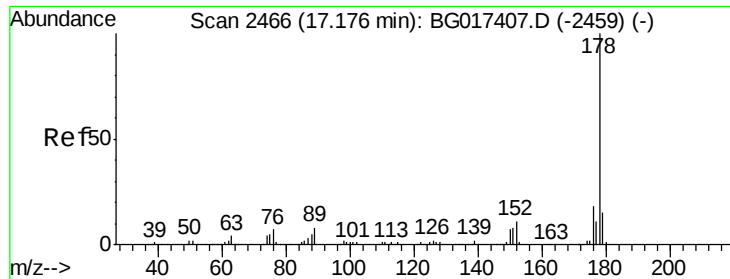


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





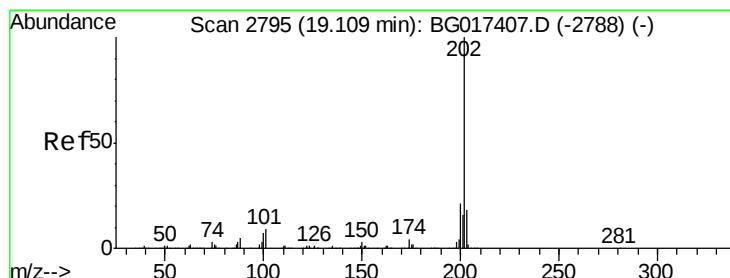
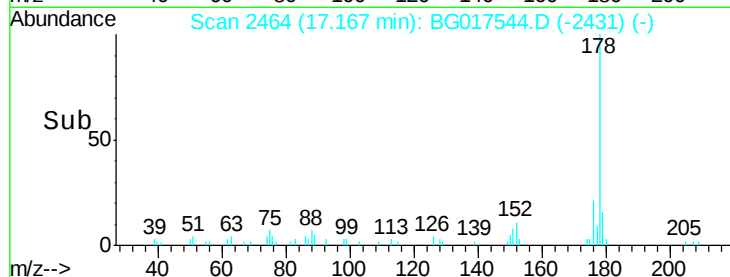
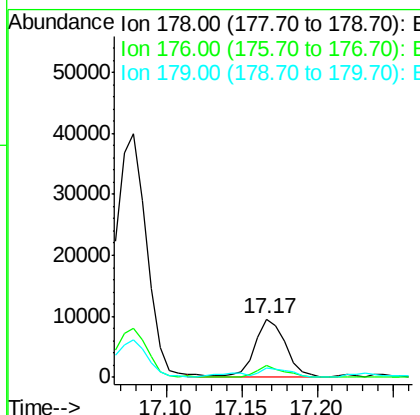
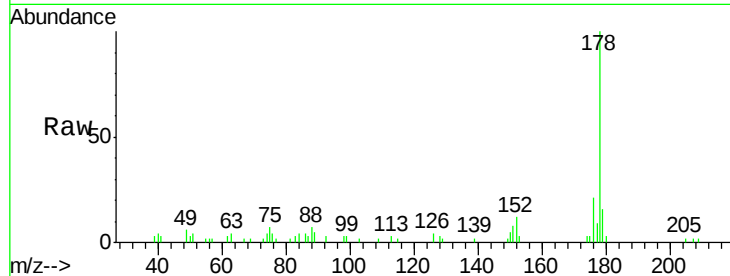
#71
 Anthracene
 Concen: 2.33 ng m
 RT: 17.17 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

Instrument :
 BNA_G
 ClientSampleId :
 SB-15AS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	14.2	21.2#
179	16.2	12.2	18.4

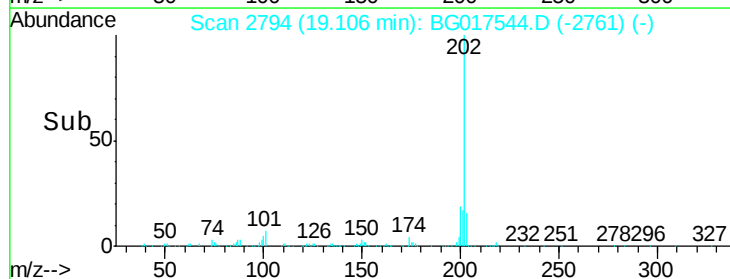
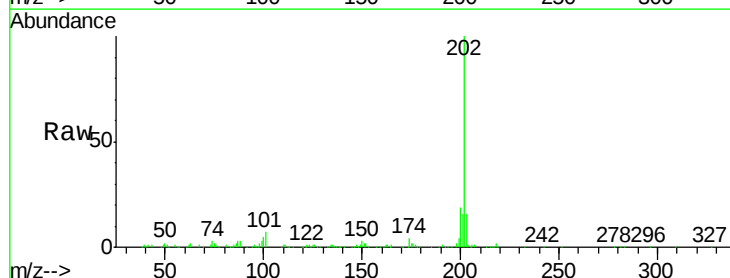
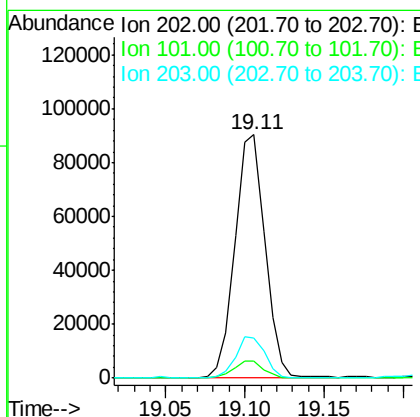
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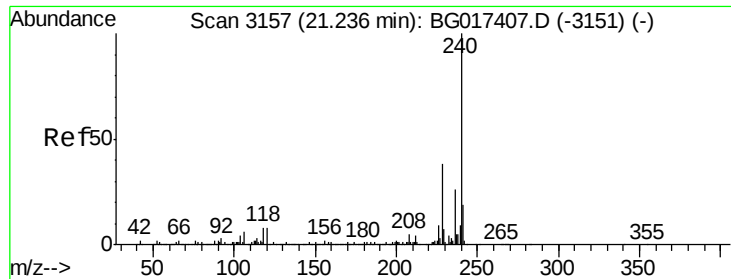
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#74
 Fluoranthene
 Concen: 14.89 ng
 RT: 19.11 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	28.8
203	16.5	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.23 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

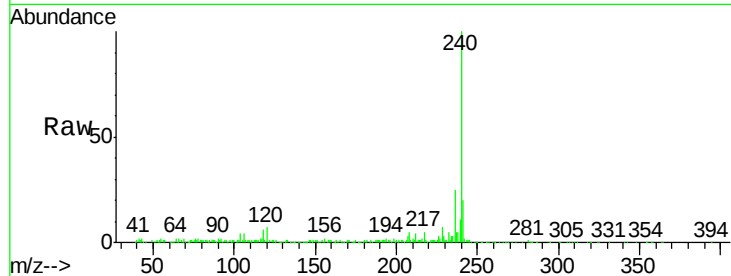
ClientSampleId :

SB-15AS

Tgt	Ion	240	Resp:	123685
Ion	Ratio	Lower	Upper	
240	100			
120	7.2	6.5	9.7	
236	25.0	20.8	31.2	

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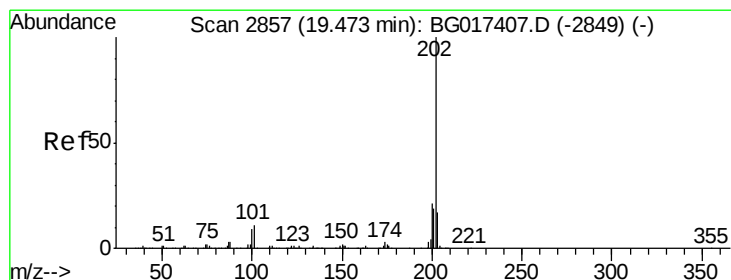
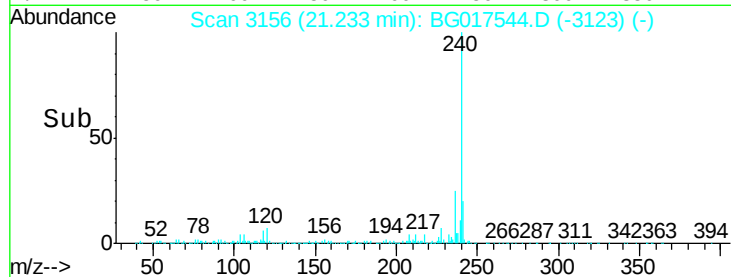
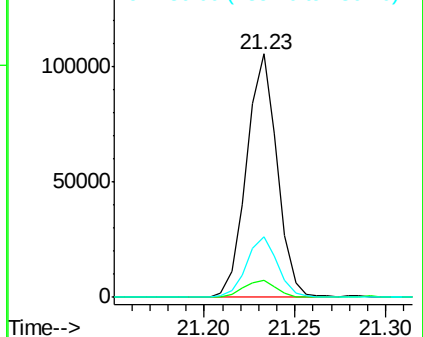
apatel
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 14.32 ng

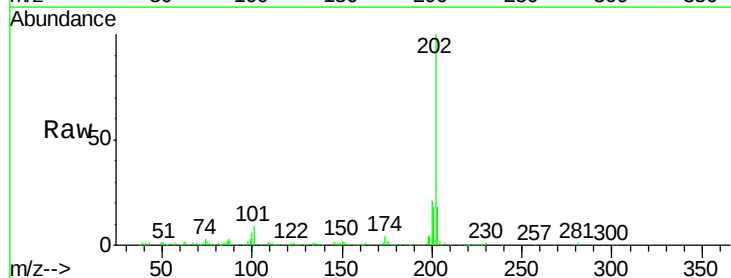
RT: 19.47 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

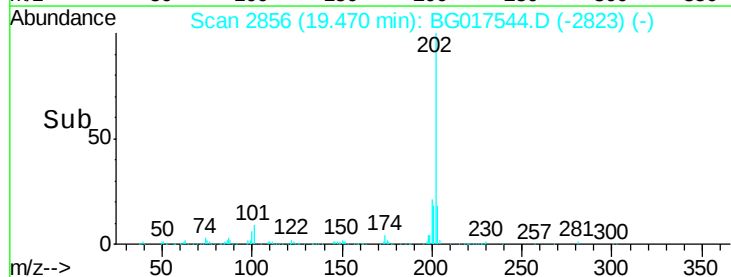
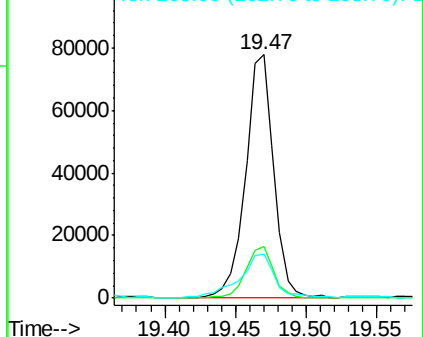
Tgt	Ion	202	Resp:	109138
Ion	Ratio	Lower	Upper	
202	100			
200	21.3	17.0	25.4	
203	18.1	13.9	20.9	

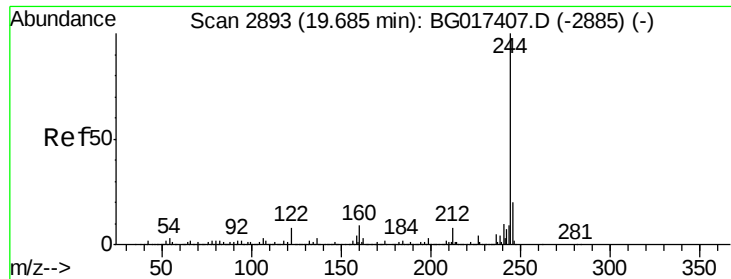


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.40 ng

RT: 19.68 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG017544.D

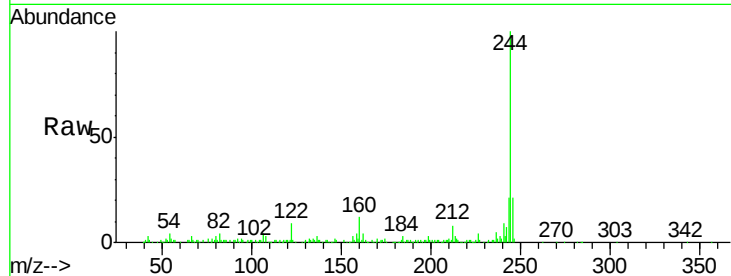
Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

ClientSampleId :

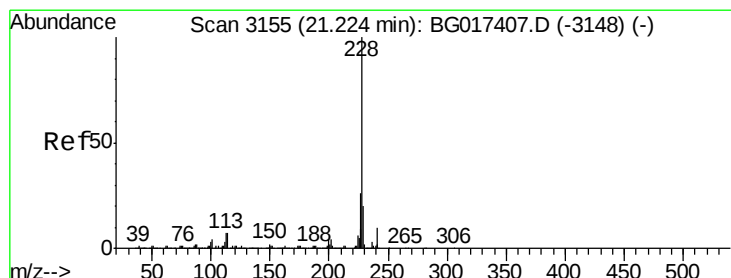
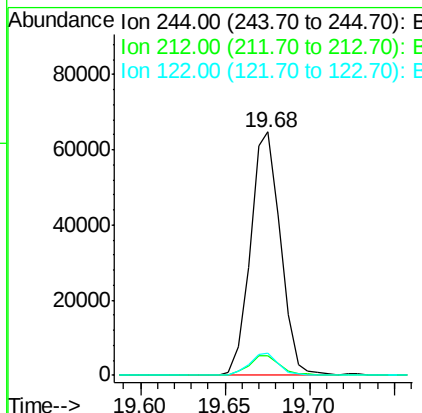
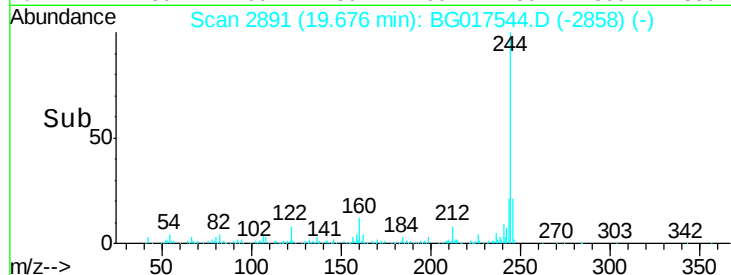
SB-15AS



Tgt Ion	Ratio	Resp	Lower	Upper
244	100	80195		
212	8.2		6.4	9.6
122	9.2		6.6	10.0

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#80

Benzo(a)anthracene

Concen: 7.97 ng

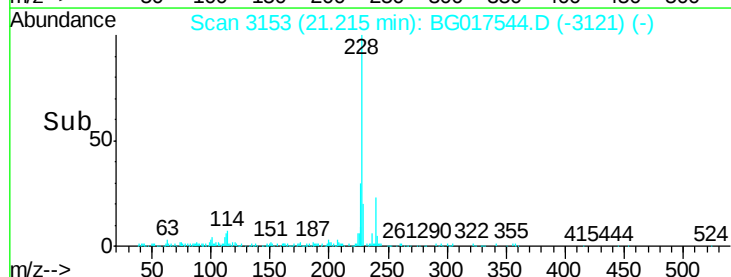
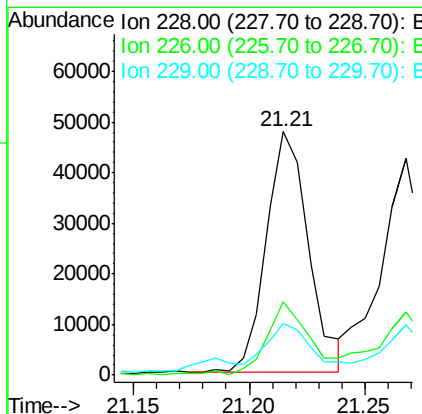
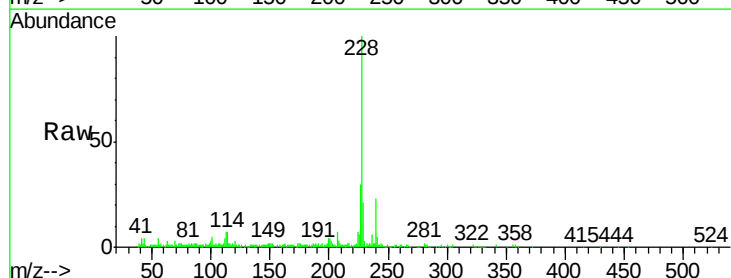
RT: 21.21 min Scan# 3153

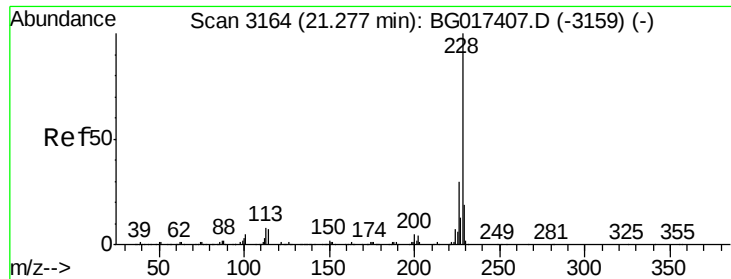
Delta R.T. -0.01 min

Lab File: BG017544.D

Acq: 8 Jun 2015 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	60627		
226	30.0		21.0	31.6
229	21.4		15.7	23.5





#82

Chrysene

Concen: 8.49 ng m

RT: 21.27 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BG017544.D

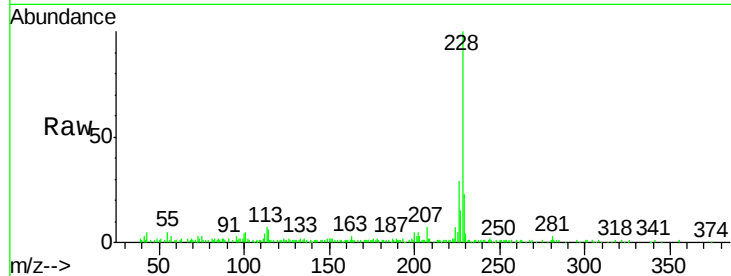
Acq: 8 Jun 2015 15:44

Instrument :

BNA_G

ClientSampleId :

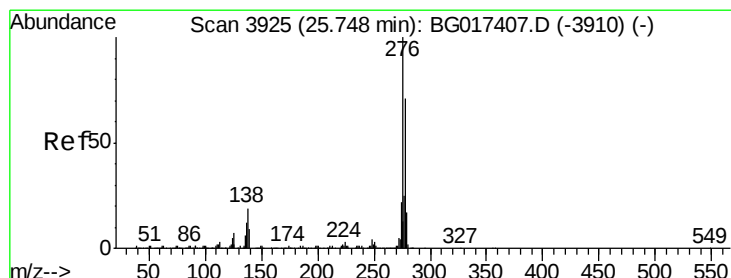
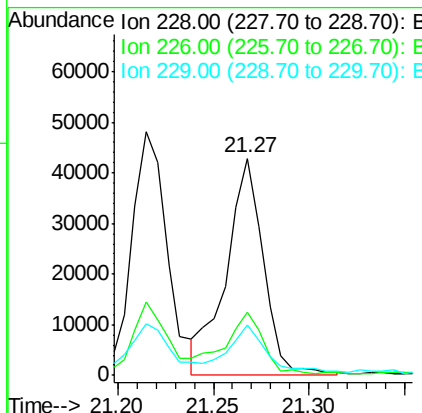
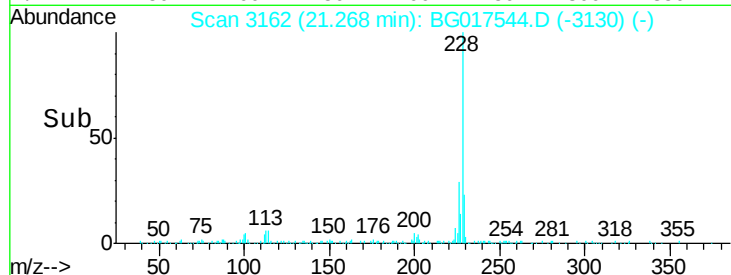
SB-15AS



Tgt Ion:	228	Resp:	58447
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.7	35.5
229	23.1	15.2	22.8#

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#85

Indeno(1,2,3-cd)pyrene

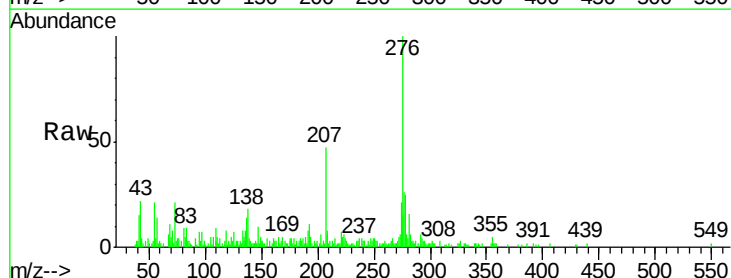
Concen: 4.25 ng

RT: 25.74 min Scan# 3924

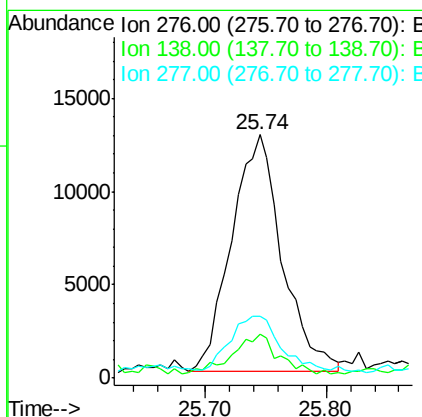
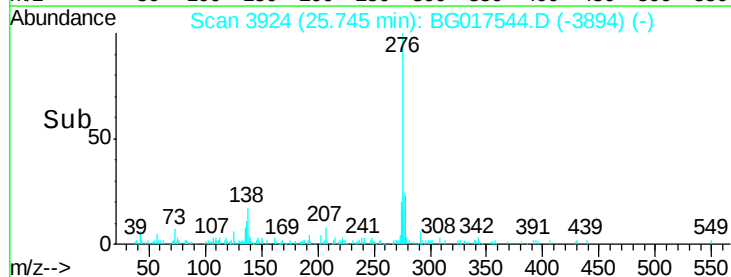
Delta R.T. -0.02 min

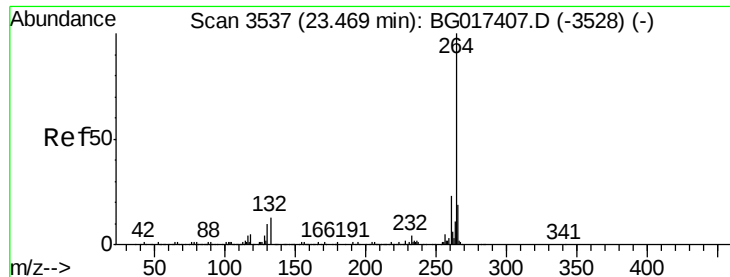
Lab File: BG017544.D

Acq: 8 Jun 2015 15:44



Tgt Ion:	276	Resp:	36764
Ion Ratio	Lower	Upper	
276	100		
138	16.7	15.4	23.0
277	22.5	20.5	30.7





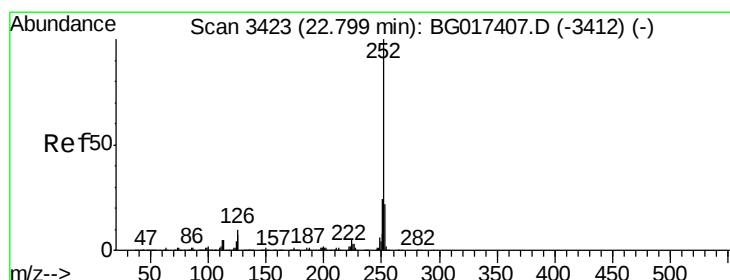
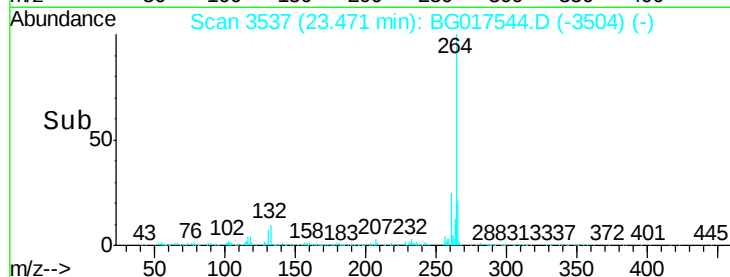
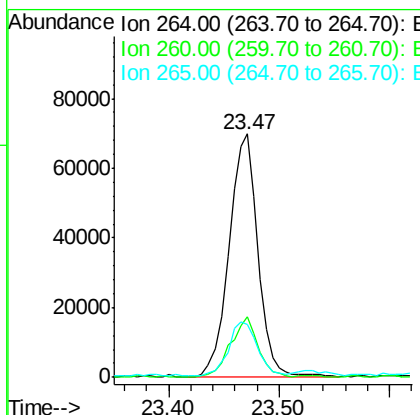
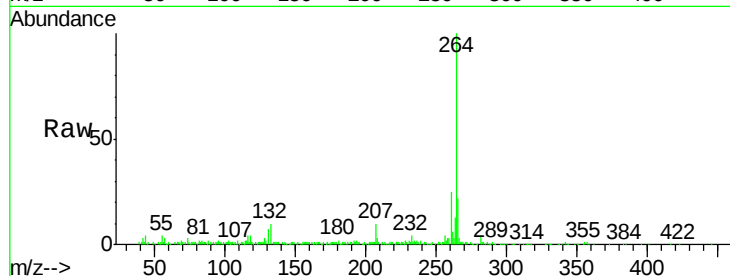
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.47 min Scan# 3537
Delta R.T. -0.00 min
Lab File: BG017544.D
Acq: 8 Jun 2015 15:44

Instrument :
BNA_G
ClientSampleId :
SB-15AS

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	128280		
260	25.0	18.2	27.4	
265	21.8	15.8	23.6	

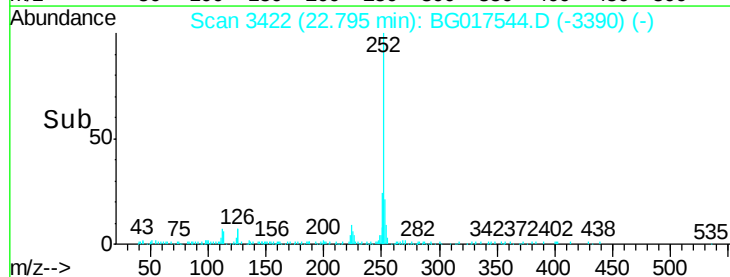
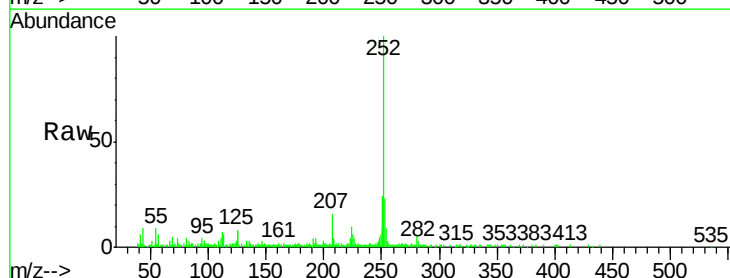
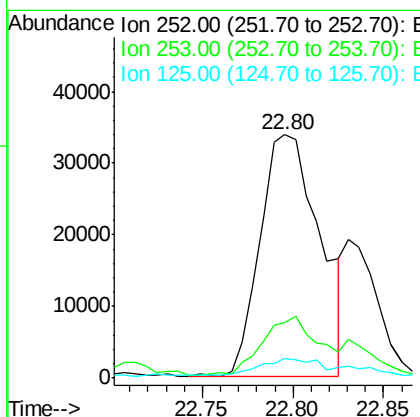
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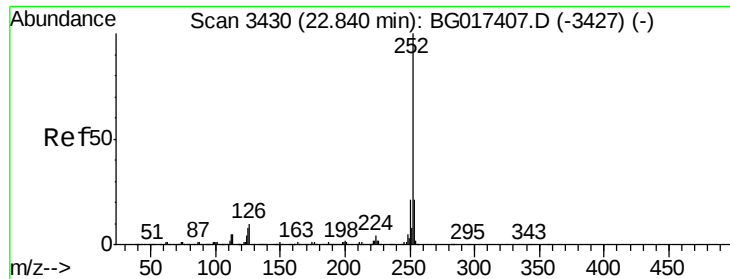
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#87
Benzo(b)fluoranthene
Concen: 9.58 ng
RT: 22.80 min Scan# 3422
Delta R.T. -0.01 min
Lab File: BG017544.D
Acq: 8 Jun 2015 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	77864		
253	22.8	17.4	26.2	
125	8.3	5.8	8.8	





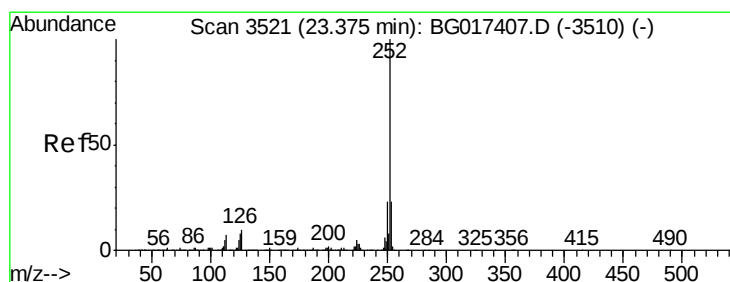
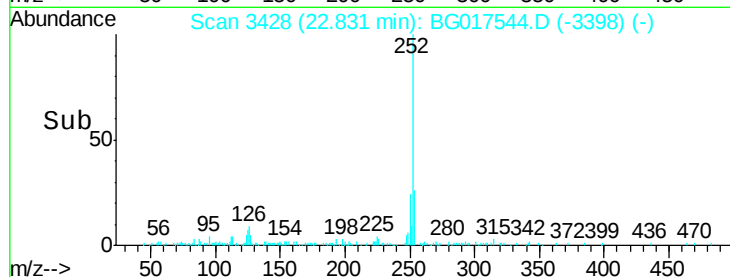
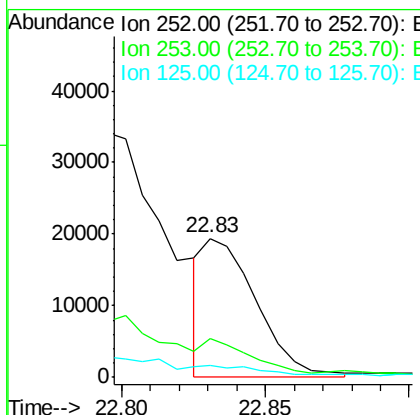
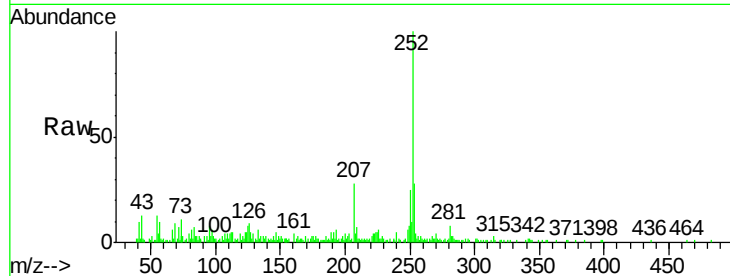
#88
Benzo(k)fluoranthene
Concen: 3.22 ng m
RT: 22.83 min Scan# 3428
Delta R.T. -0.02 min
Lab File: BG017544.D
Acq: 8 Jun 2015 15:44

Instrument :
BNA_G
ClientSampleId :
SB-15AS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.7	26.5#
125	8.5	6.5	9.7

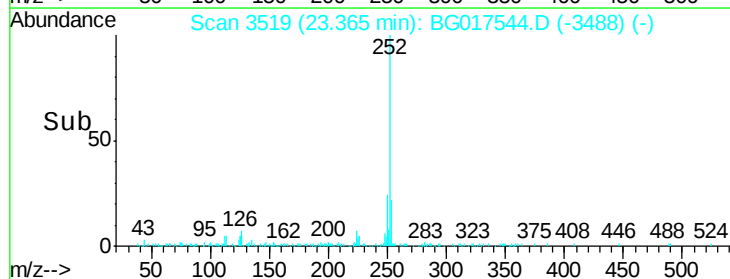
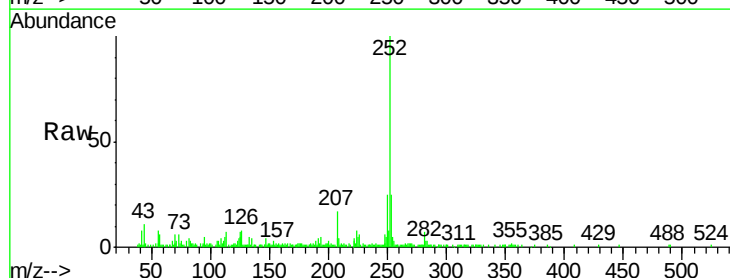
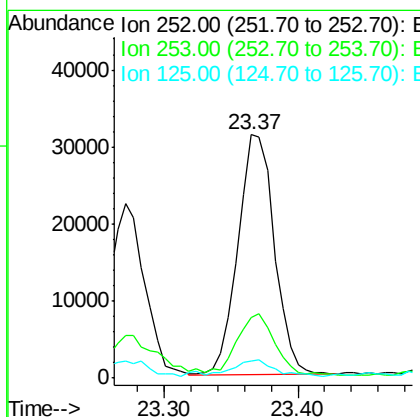
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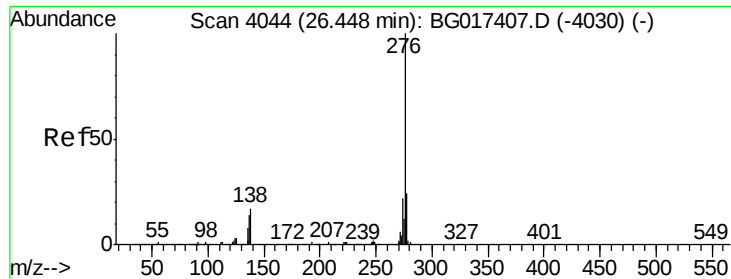
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#89
Benzo(a)pyrene
Concen: 7.87 ng
RT: 23.37 min Scan# 3519
Delta R.T. -0.02 min
Lab File: BG017544.D
Acq: 8 Jun 2015 15:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	7.2	6.5	9.7





#91
 Benzo(g,h,i)perylene
 Concen: 5.26 ng
 RT: 26.44 min Scan# 4043
 Delta R.T. -0.03 min
 Lab File: BG017544.D
 Acq: 8 Jun 2015 15:44

Instrument :
 BNA_G
 ClientSampleId :
 SB-15AS

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	21.2	13.5	20.3

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