

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
 Data File : BG017596.D
 Acq On : 10 Jun 2015 6:10
 Operator : TP/IZ
 Sample : G2450-07DL 4X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SEC-3.5-SPDL

Manual Integrations
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Quant Time: Jun 10 07:12:29 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 07:10:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	17994	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	73953	20.00	ng	0.00
38) Acenaphthene-d10	14.24	164	45621	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	101916	20.00	ng	0.00
75) Chrysene-d12	21.20	240	127079	20.00	ng	0.00
86) Perylene-d12	23.42	264	128525	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	30068	29.44	ng	0.00
7) Phenol-d6	6.79	99	40145	28.85	ng	0.00
23) Nitrobenzene-d5	8.74	82	30870	20.84	ng	0.00
41) 2,4,6-Tribromophenol	15.75	330	18299	28.88	ng	0.00
44) 2-Fluorobiphenyl	12.86	172	63585	21.02	ng	0.00
78) Terphenyl-d14	19.64	244	101500	16.51	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	13.97	152	16587	3.38	ng	# 92
70) Phenanthrene	17.04	178	102335	18.01	ng	98
71) Anthracene	17.14	178	51936	9.15	ng	96
72) Carbazole	17.41	167	11725	2.09	ng	# 91
74) Fluoranthene	19.07	202	526275	70.82	ng	98
77) Pyrene	19.44	202	517684	66.13	ng	97
80) Benzo(a)anthracene	21.19	228	387124	49.53	ng	96
82) Chrysene	21.24	228	396575	56.04	ng	97
85) Indeno(1,2,3-cd)pyrene	25.67	276	133299	15.00	ng	# 89
87) Benzo(b)fluoranthene	22.76	252	475691m	58.40	ng	
88) Benzo(k)fluoranthene	22.79	252	190465m	24.44	ng	
89) Benzo(a)pyrene	23.23	252	206171	27.60	ng	99
90) Dibenzo(a,h)anthracene	25.67	278	35091	4.52	ng	96
91) Benzo(g,h,i)perylene	26.37	276	108274	14.66	ng	# 92

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

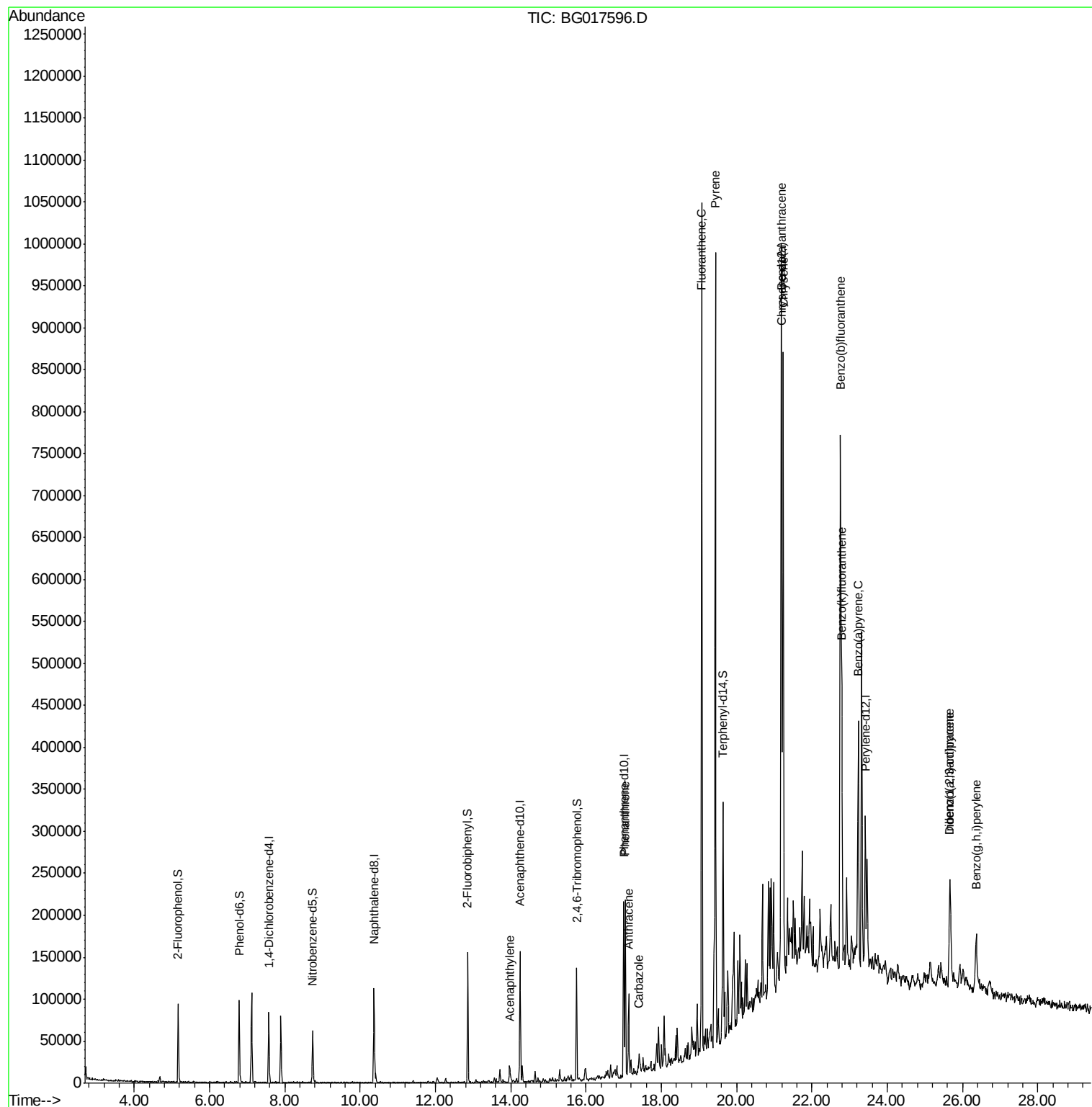
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060915\
Data File : BG017596.D
Acq On : 10 Jun 2015 6:10
Operator : TP/IZ
Sample : G2450-07DL 4X
Misc :
ALS Vial : 23 Sample Multiplier: 1

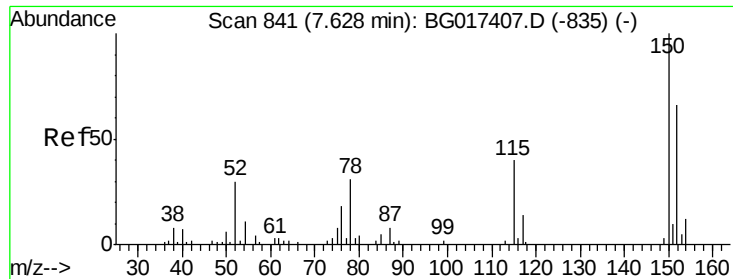
Instrument :
BNA_G
ClientSampleId :
SEC-3.5-SPDL

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Quant Time: Jun 10 07:12:29 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 07:10:02 2015
Response via : Initial Calibration





#1

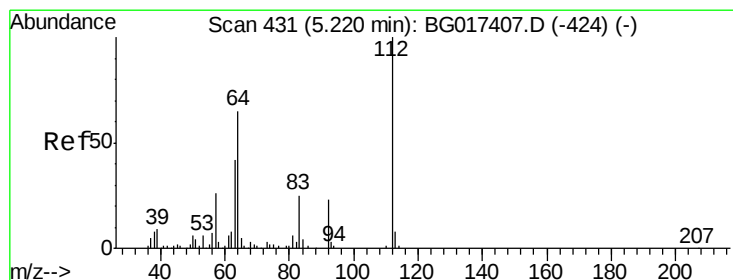
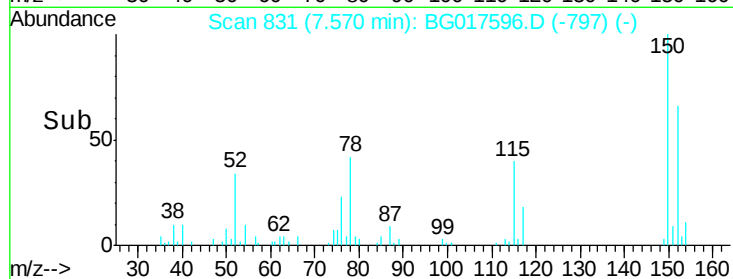
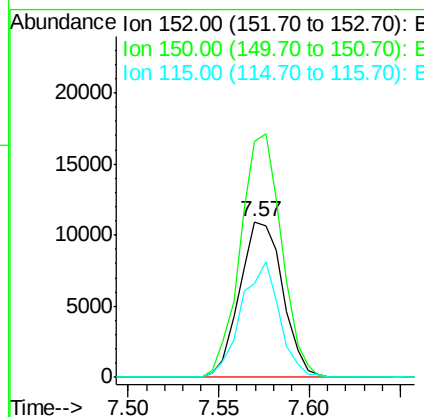
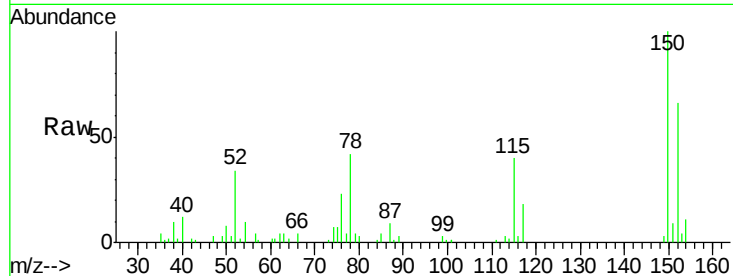
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.57 min Scan# 831
Delta R.T. -0.00 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

Instrument :
BNA_G
ClientSampleId :
SEC-3.5-SPDL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.7	121.7	182.5
115	60.2	48.6	73.0

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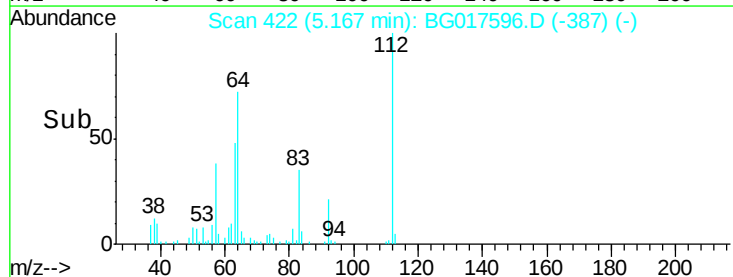
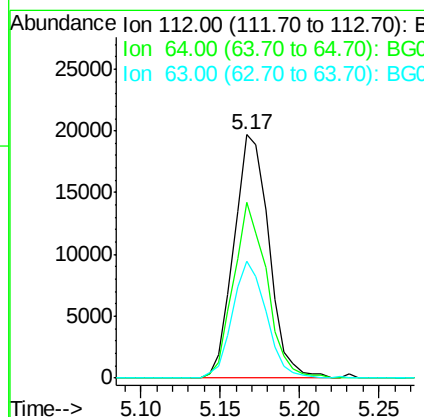
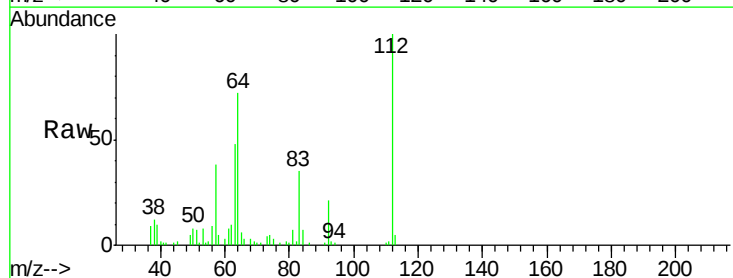
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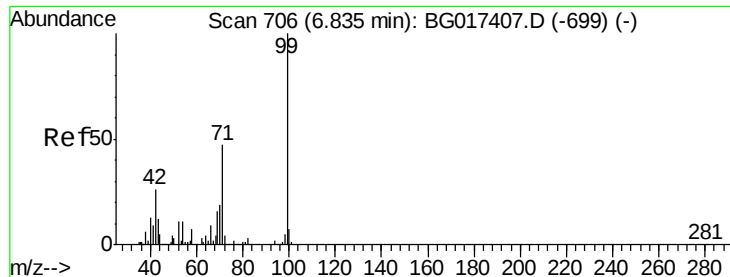


#5

2-Fluorophenol
Concen: 29.44 ng
RT: 5.17 min Scan# 422
Delta R.T. 0.00 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.4	51.6	77.4
63	48.1	33.3	49.9





#7

Phenol-d6

Concen: 28.85 ng

RT: 6.79 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG017596.D

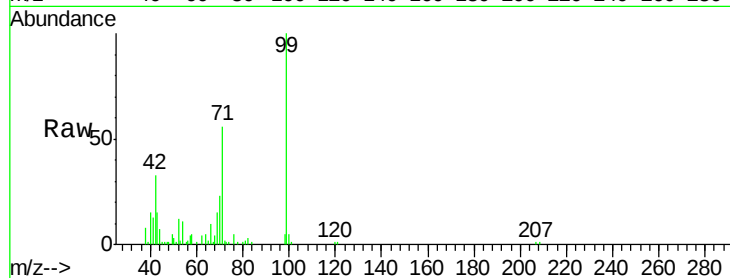
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Instrument :

BNA_G

ClientSampleId :

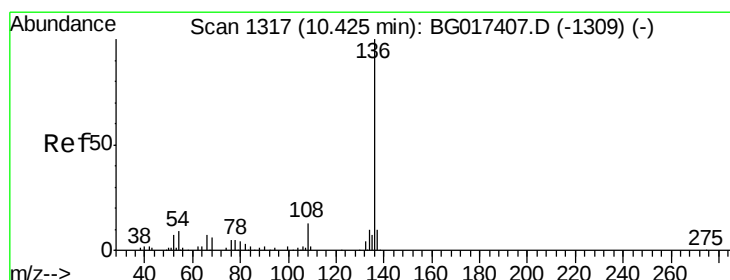
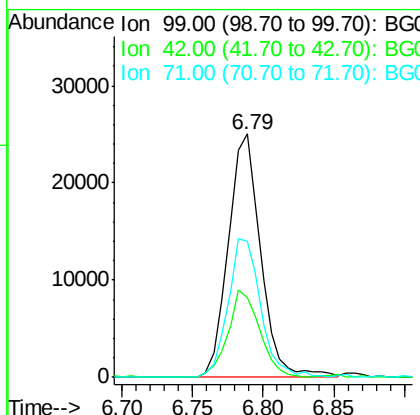
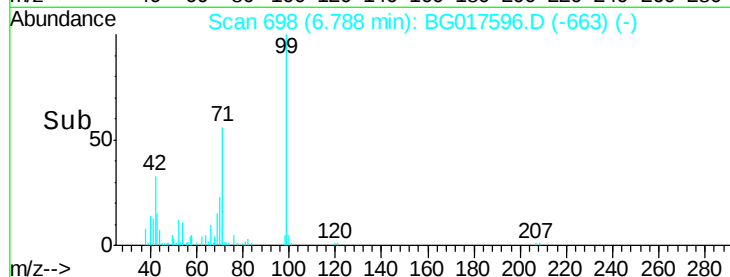
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Tgt Ion:	99	Resp:	40145
Ion Ratio	Lower	Upper	
99	100		
42	33.0	21.0	31.6#
71	55.9	37.2	55.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

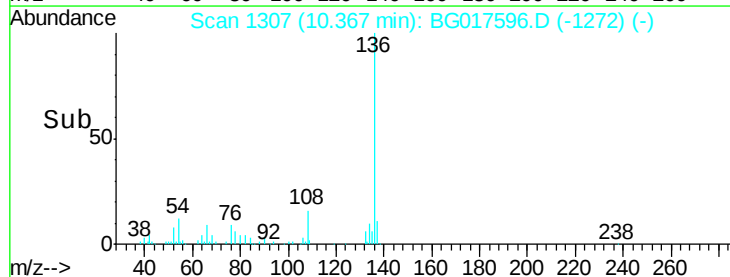
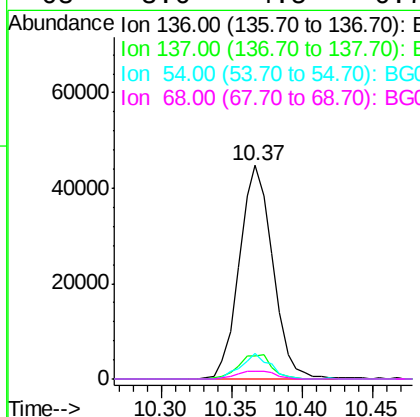
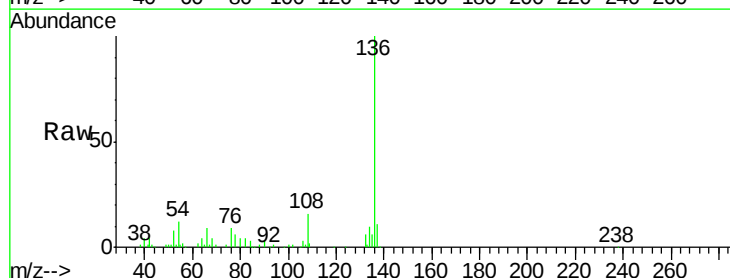
RT: 10.37 min Scan# 1307

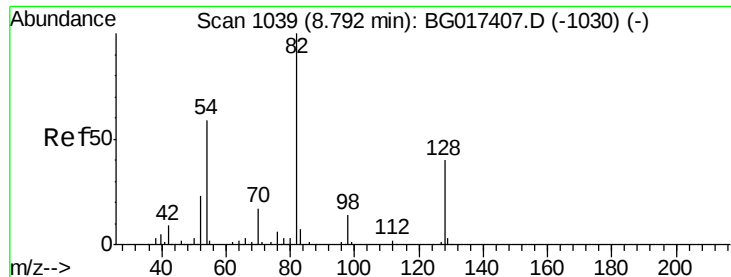
Delta R.T. 0.00 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Tgt Ion:	136	Resp:	73953
Ion Ratio	Lower	Upper	
136	100		
137	10.8	7.9	11.9
54	12.0	7.2	10.8#
68	3.6	4.5	6.7#





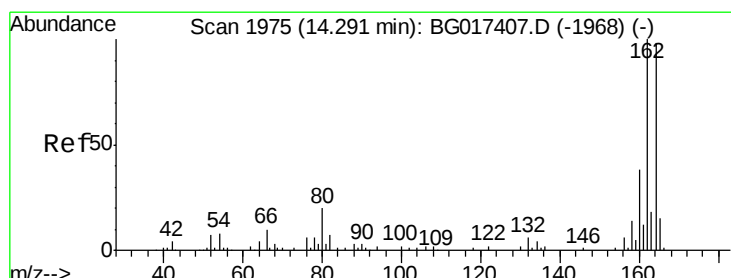
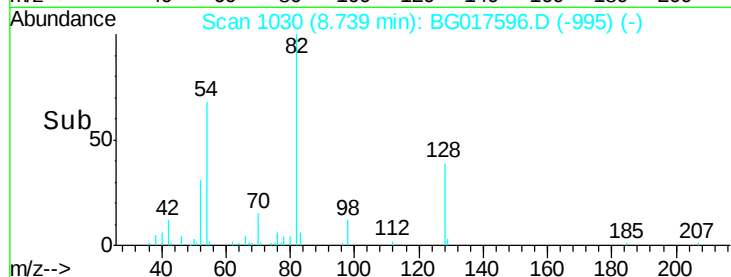
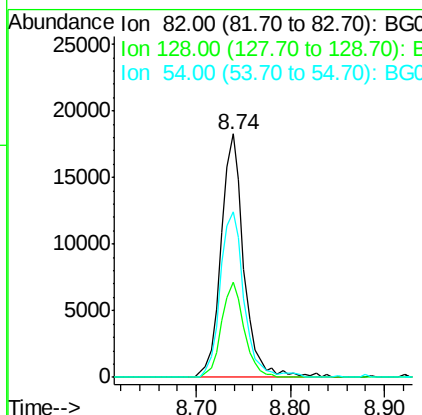
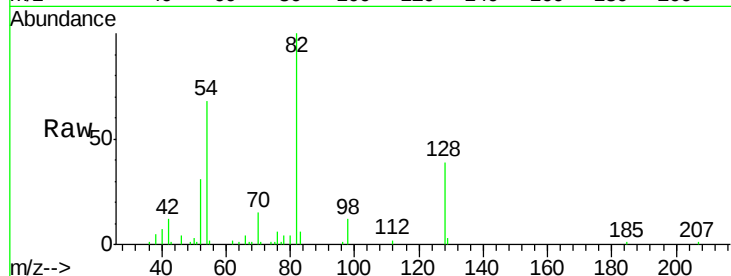
#23
 Nitrobenzene-d5
 Concen: 20.84 ng
 RT: 8.74 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

Instrument :
 BNA_G
 ClientSampleId :
 SEC-3.5-SPDL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	30870		
128	39.0		32.2	48.4
54	67.8		47.4	71.2

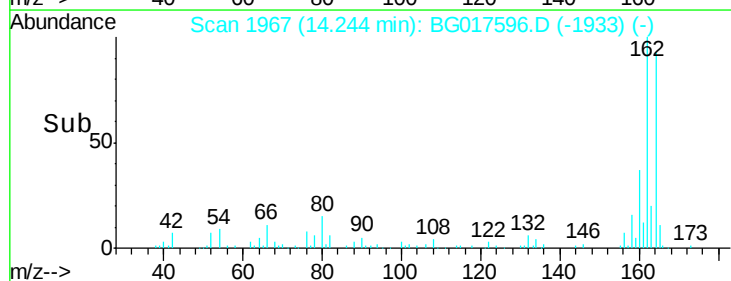
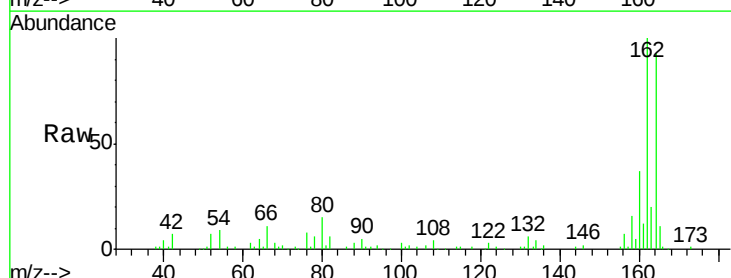
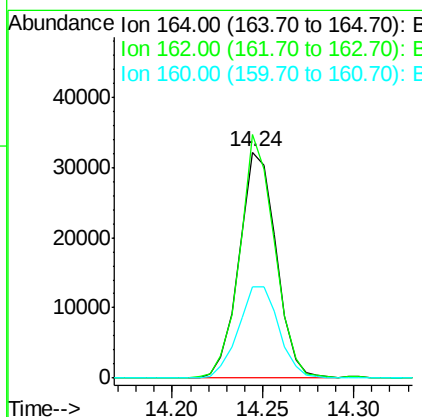
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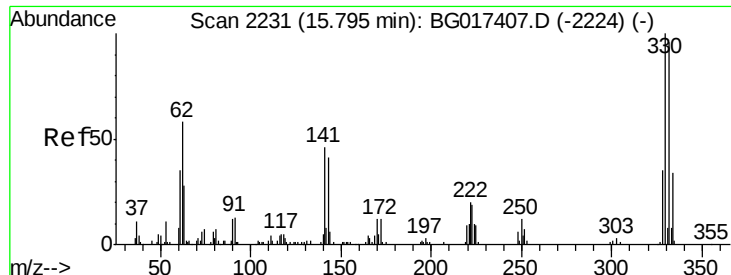
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.24 min Scan# 1967
 Delta R.T. -0.00 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45621		
162	107.8		81.8	122.6
160	40.3		31.0	46.4





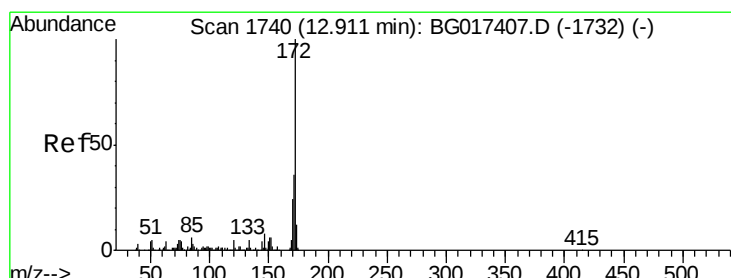
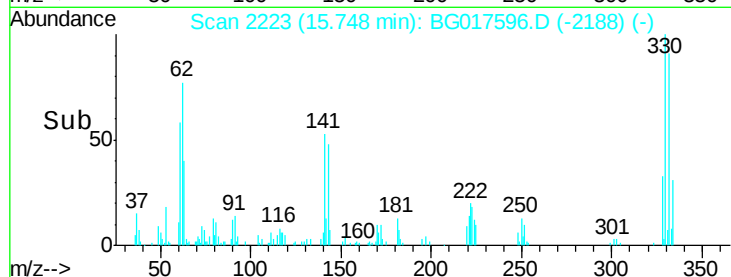
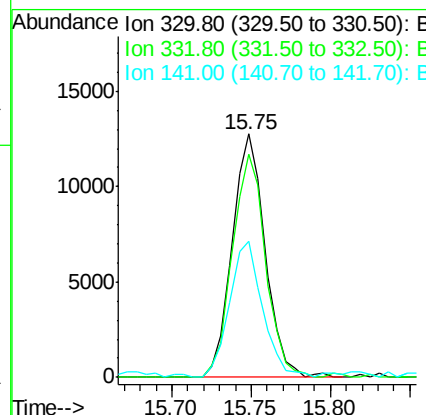
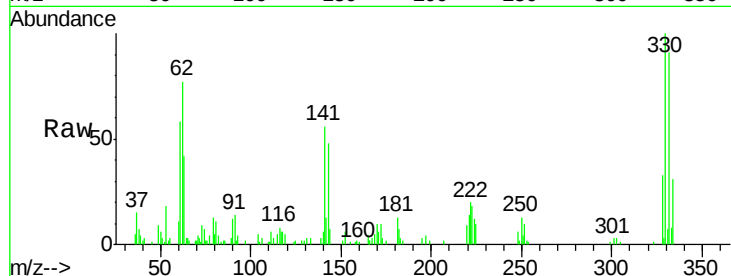
#41
 2,4,6-Tribromophenol
 Concen: 28.88 ng
 RT: 15.75 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

Instrument :
 BNA_G
 ClientSampleId :
 SEC-3.5-SPDL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	18299		
332	92.3	75.9	113.9	
141	56.0	40.2	60.4	

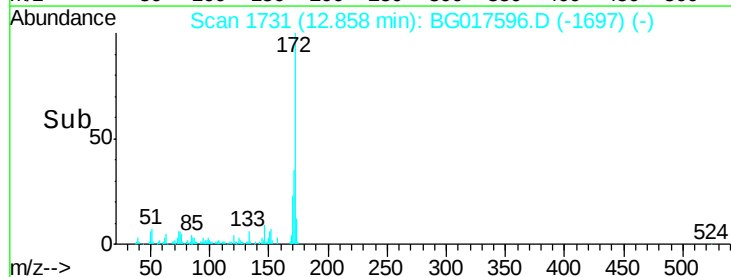
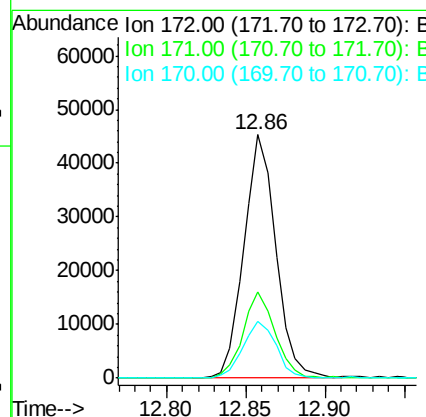
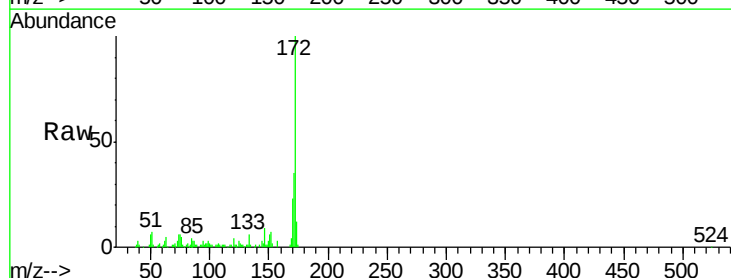
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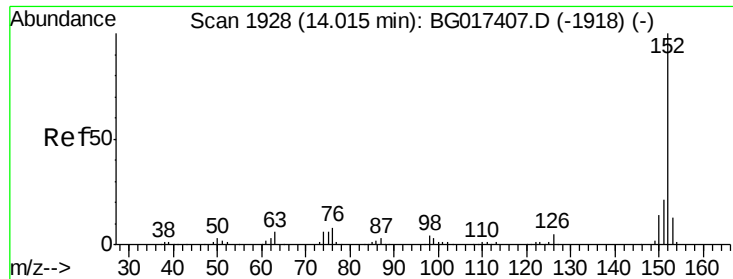
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#44
 2-Fluorobiphenyl
 Concen: 21.02 ng
 RT: 12.86 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG017596.D
 Acq: 10 Jun 2015 6:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	63585		
171	35.4	29.0	43.6	
170	23.3	18.9	28.3	





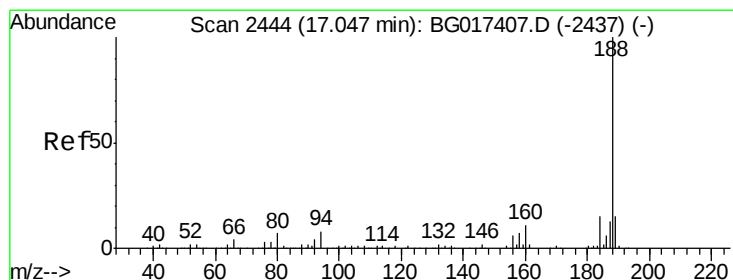
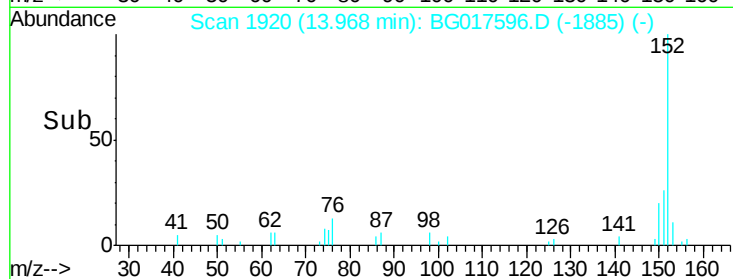
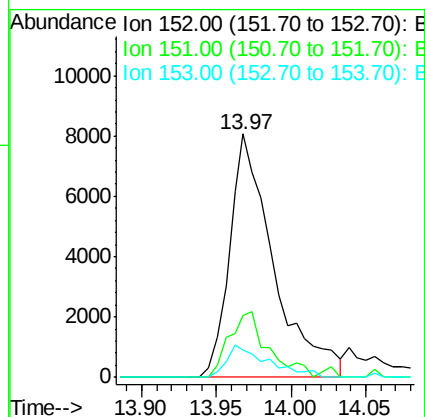
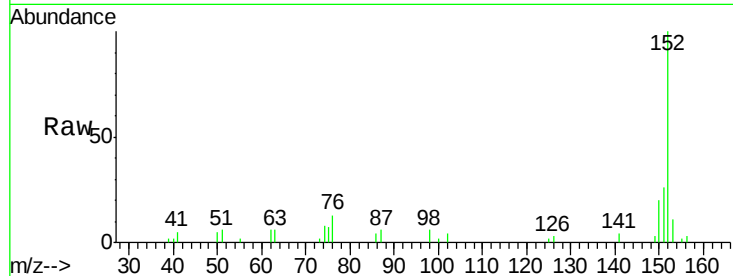
#48
Acenaphthylene
Concen: 3.38 ng
RT: 13.97 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

Instrument :
BNA_G
ClientSampleId :
SEC-3.5-SPDL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	16587		
151	25.5	16.5	24.7#	
153	11.4	10.7	16.1	

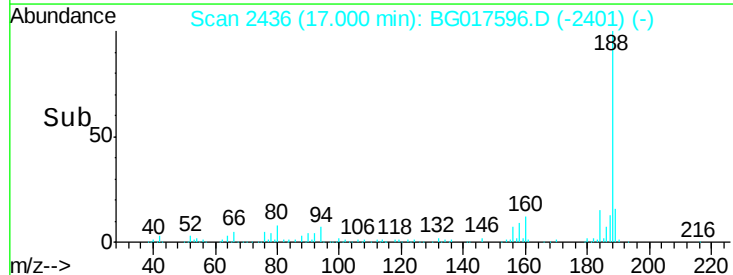
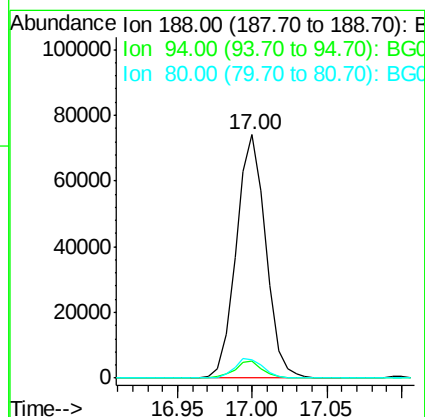
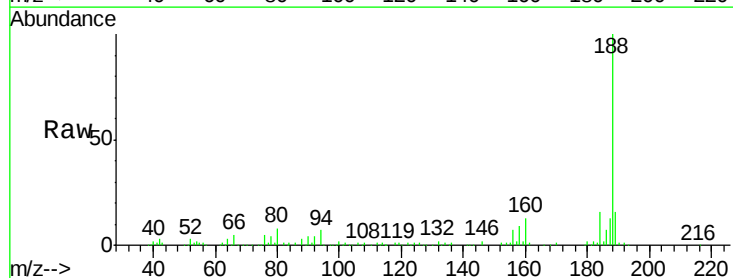
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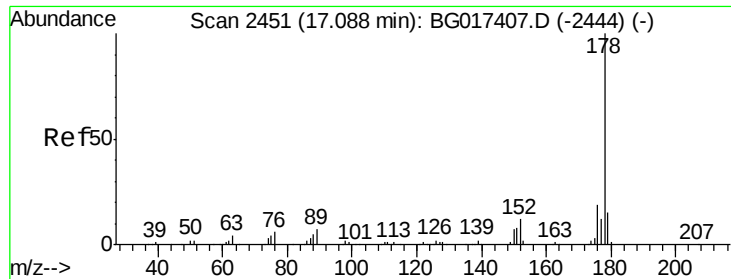
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.00 min Scan# 2436
Delta R.T. 0.00 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	101916		
94	7.2	6.3	9.5	
80	7.7	5.2	7.8	





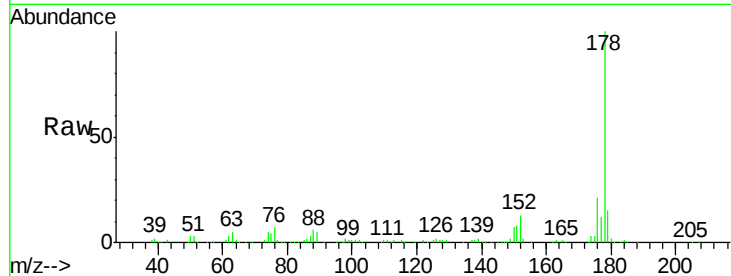
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Phenanthrene
Concen: 18.01 ng
RT: 17.04 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

Instrument :
BNA_G
ClientSampleId :
SEC-3.5-SPDL

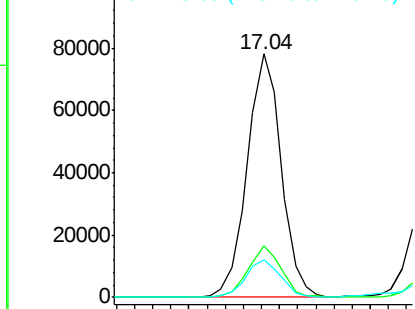
Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.6	23.4
179	15.4	12.2	18.2

Manual Integrations
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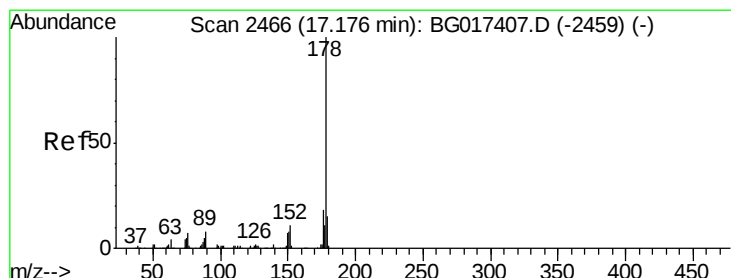
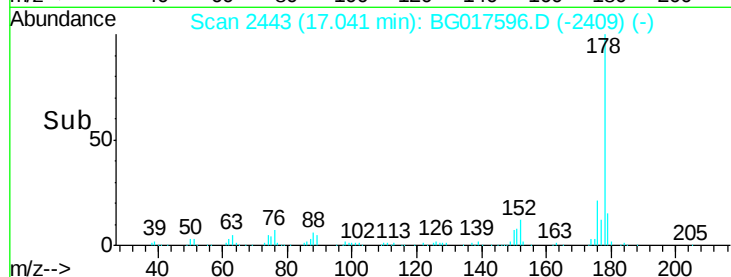
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



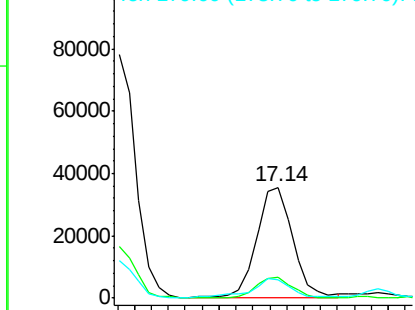
Time-->



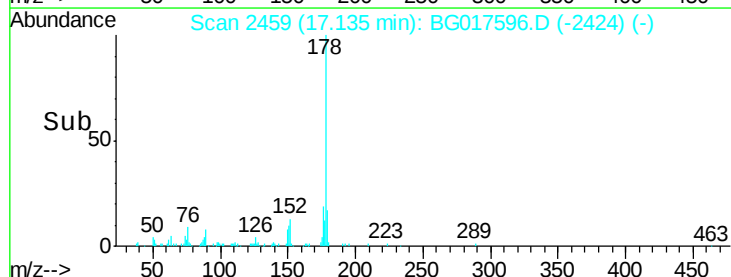
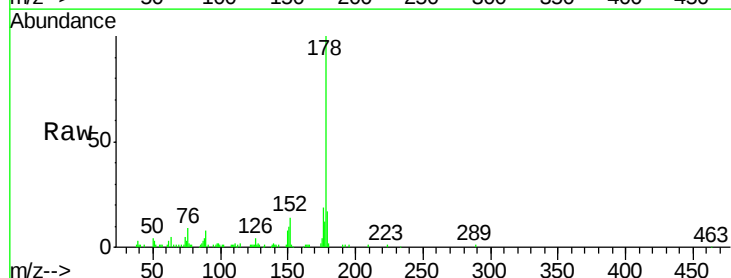
#71
Anthracene
Concen: 9.15 ng
RT: 17.14 min Scan# 2459
Delta R.T. 0.00 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

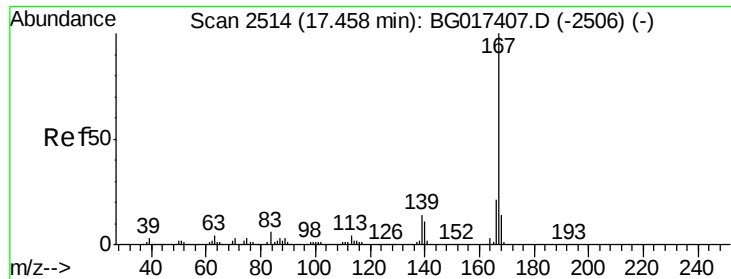
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.2	21.2
179	16.8	12.2	18.4

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



Time-->





#72

Carbazole

Concen: 2.09 ng

RT: 17.41 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BG017596.D

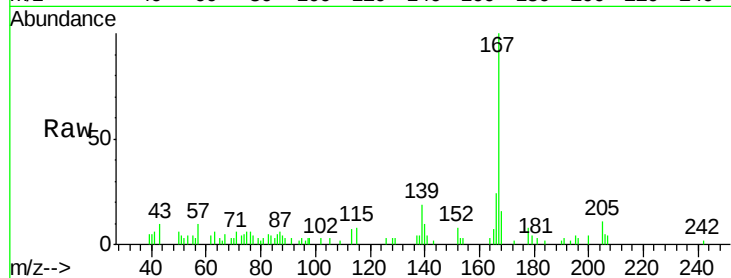
Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

SEC-3.5-SPDL



Tgt Ion:167 Resp: 11725

Ion Ratio Lower Upper

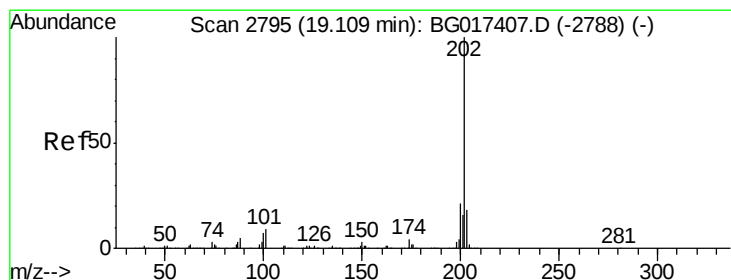
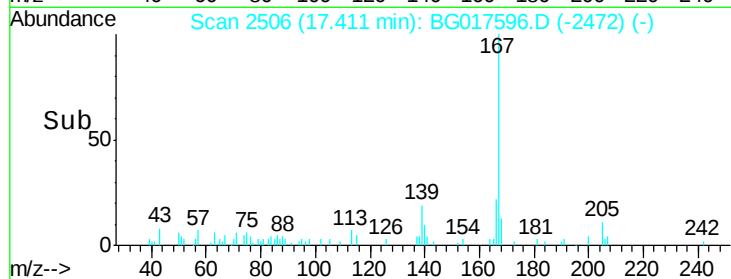
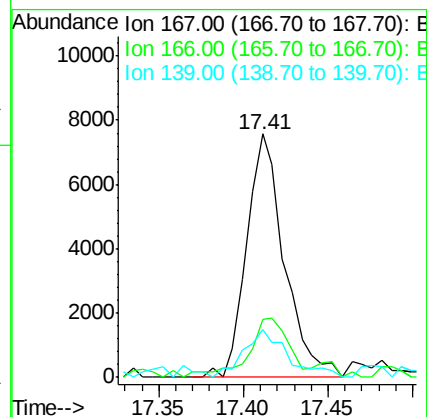
167 100

166 23.9 17.0 25.4

139 19.4 11.3 16.9#

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#74

Fluoranthene

Concen: 70.82 ng

RT: 19.07 min Scan# 2789

Delta R.T. 0.00 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

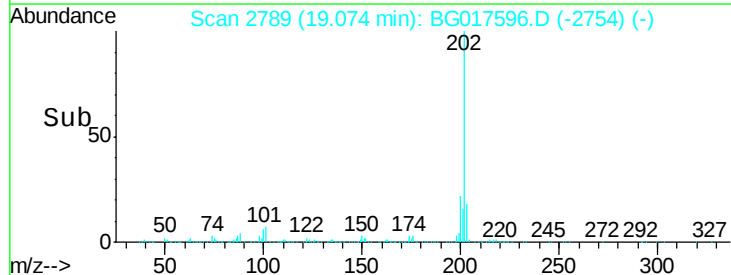
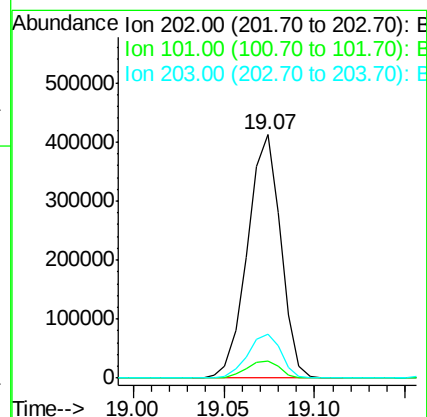
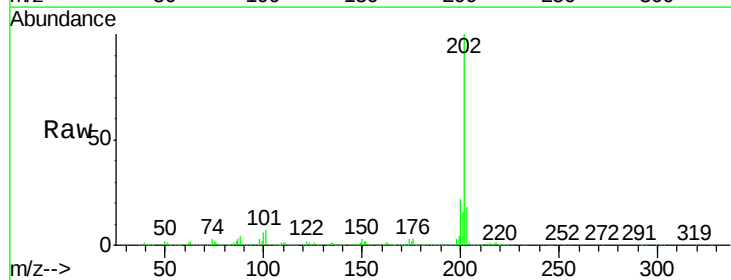
Tgt Ion:202 Resp: 526275

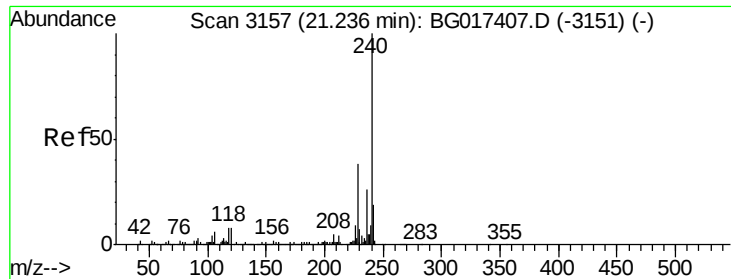
Ion Ratio Lower Upper

202 100

101 7.0 0.0 28.8

203 18.2 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: BG017596.D

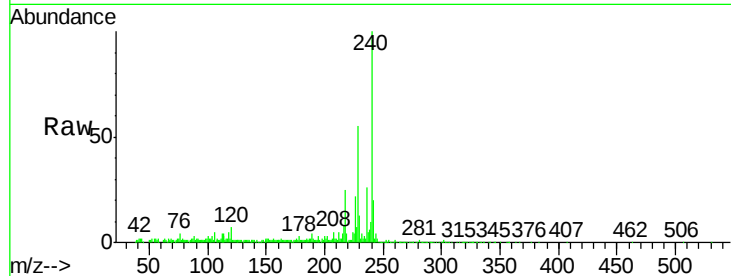
Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

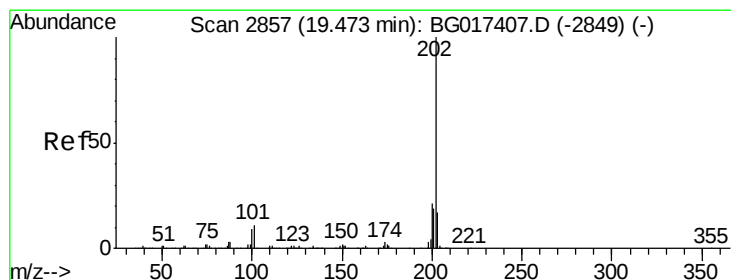
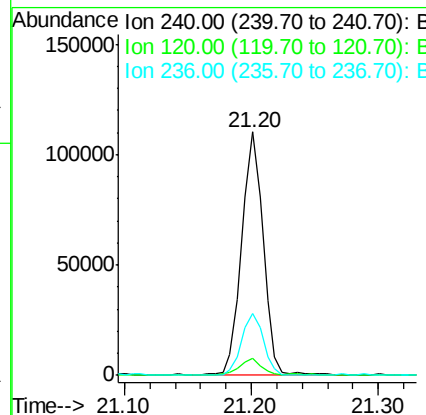
SEC-3.5-SPDL



Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.8	6.5	9.7
236	25.7	20.8	31.2

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#77

Pyrene

Concen: 66.13 ng

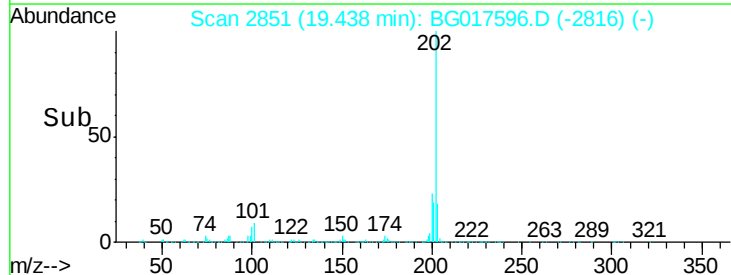
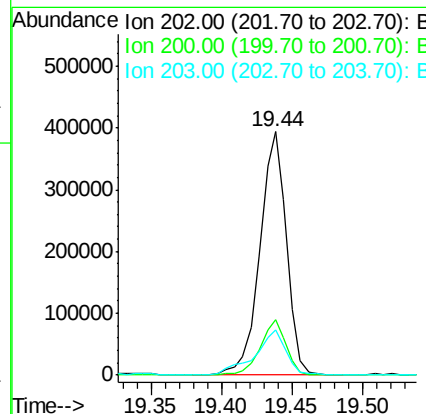
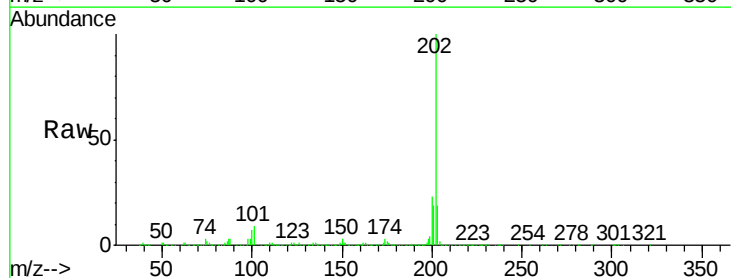
RT: 19.44 min Scan# 2851

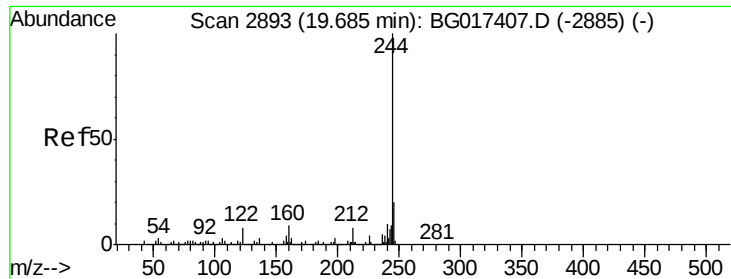
Delta R.T. 0.00 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	17.0	25.4
203	18.5	13.9	20.9





#78

Terphenyl-d14

Concen: 16.51 ng

RT: 19.64 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG017596.D

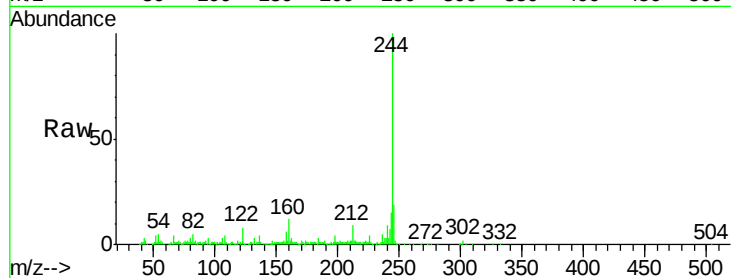
Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

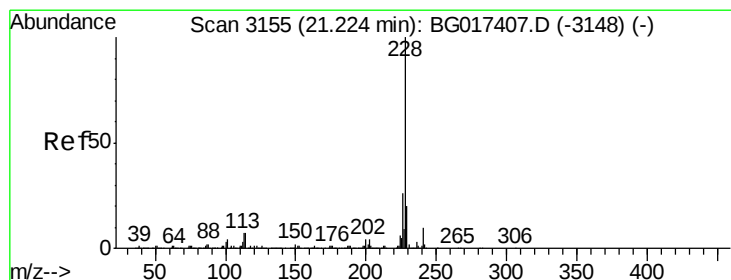
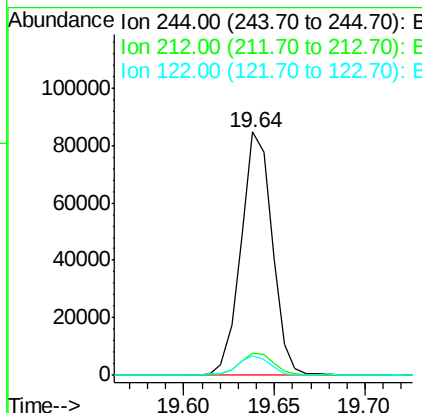
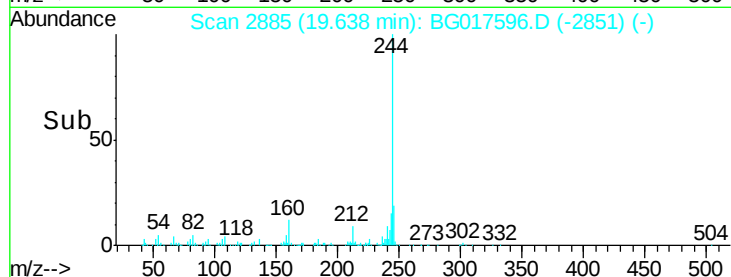
SEC-3.5-SPDL



Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	9.4	6.4	9.6	
122	8.1	6.6	10.0	

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#80

Benzo(a)anthracene

Concen: 49.53 ng

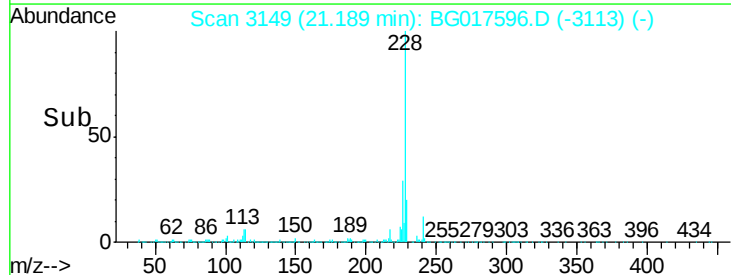
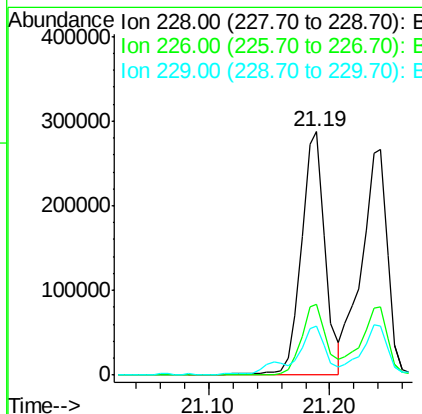
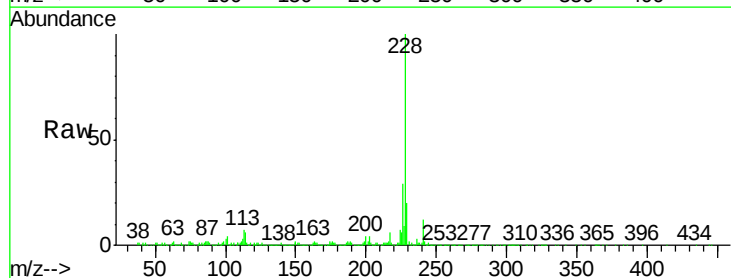
RT: 21.19 min Scan# 3149

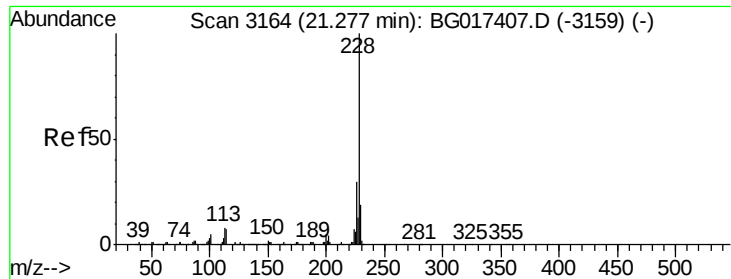
Delta R.T. 0.01 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.0	21.0	31.6	
229	20.2	15.7	23.5	





#82

Chrysene

Concen: 56.04 ng

RT: 21.24 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

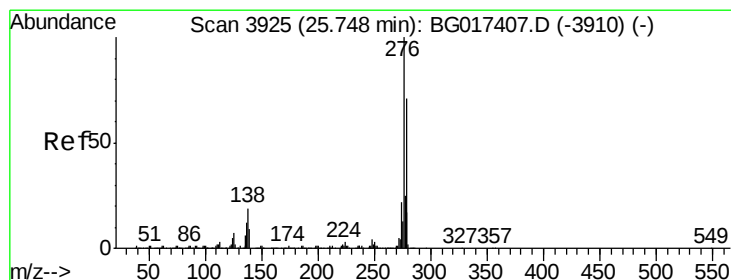
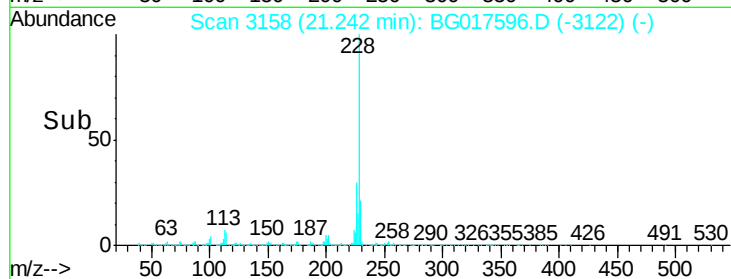
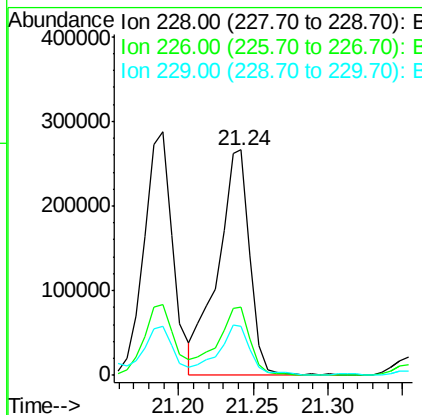
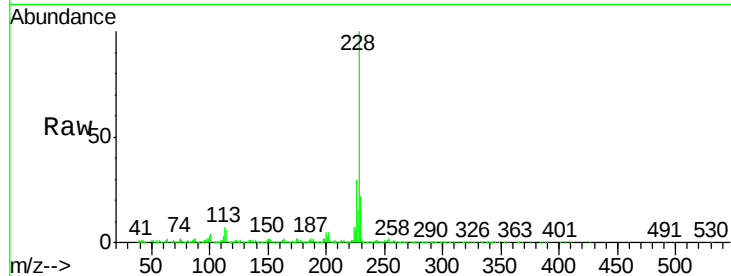
ClientSampleId :

SEC-3.5-SPDL

Tgt Ion:	228	Resp:	396575
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.7	35.5
229	21.7	15.2	22.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.00 ng

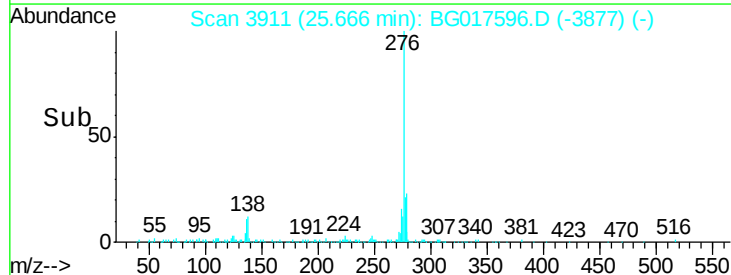
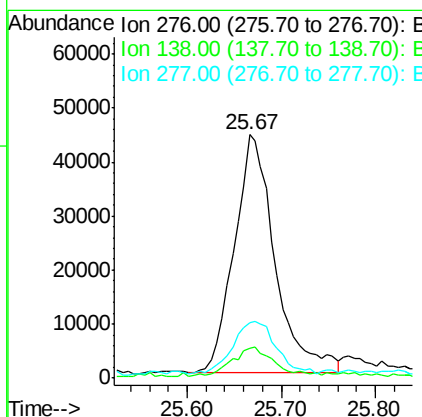
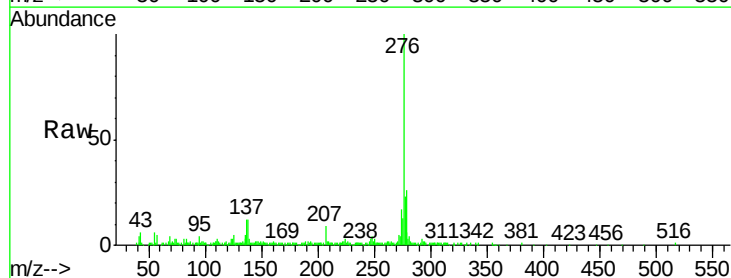
RT: 25.67 min Scan# 3911

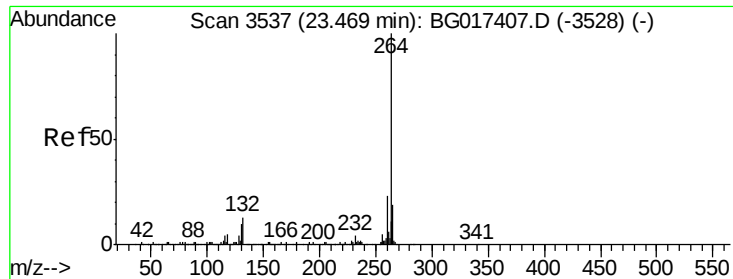
Delta R.T. -0.00 min

Lab File: BG017596.D

Acq: 10 Jun 2015 6:10

Tgt Ion:	276	Resp:	133299
Ion Ratio	Lower	Upper	
276	100		
138	11.0	15.4	23.0#
277	22.5	20.5	30.7





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.42 min Scan# 3529

Delta R.T. 0.02 min

Lab File: BG017596.D

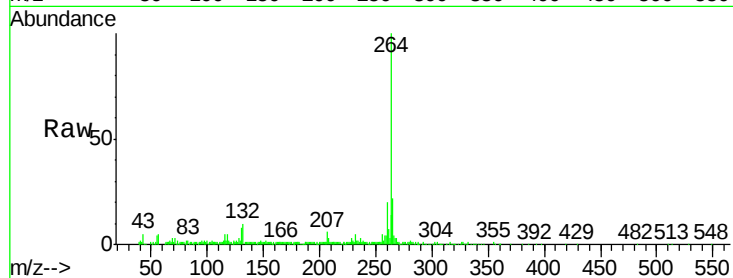
Acq: 10 Jun 2015 6:10

Instrument :

BNA_G

ClientSampleId :

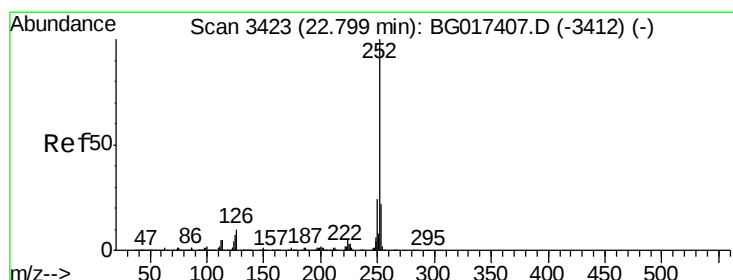
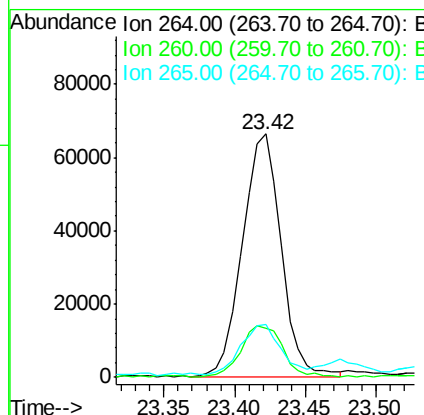
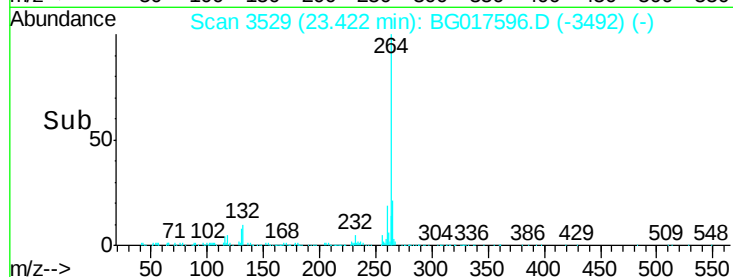
SEC-3.5-SPDL



Tgt Ion	Ratio	Lower	Upper
264	100		
260	20.1	18.2	27.4
265	21.7	15.8	23.6

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#87

Benzo(b)fluoranthene

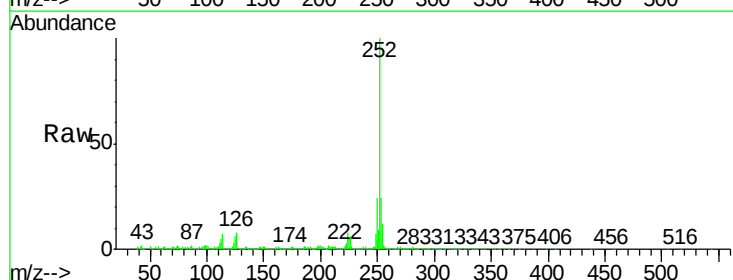
Concen: 58.40 ng m

RT: 22.76 min Scan# 3416

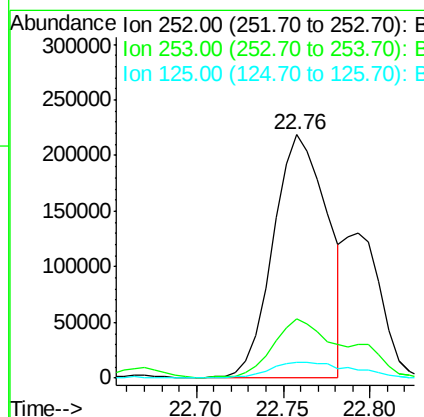
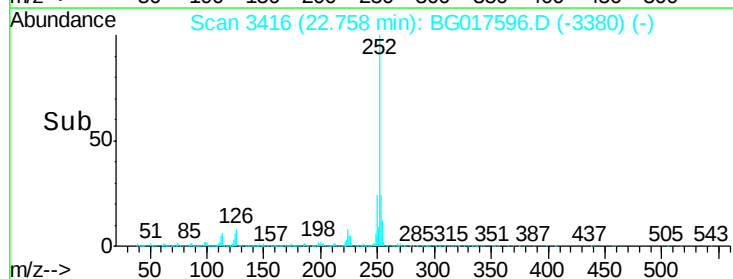
Delta R.T. 0.01 min

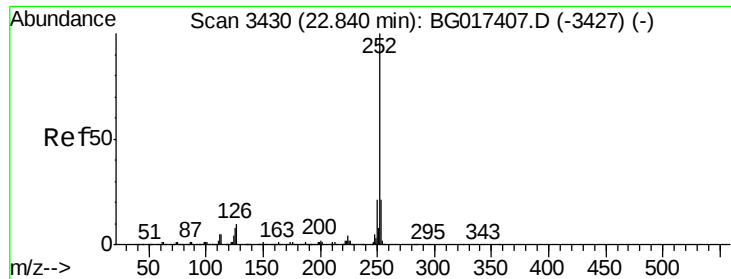
Lab File: BG017596.D

Acq: 10 Jun 2015 6:10



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.2
125	6.3	5.8	8.8





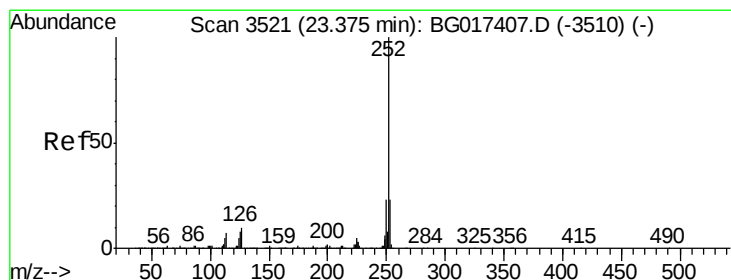
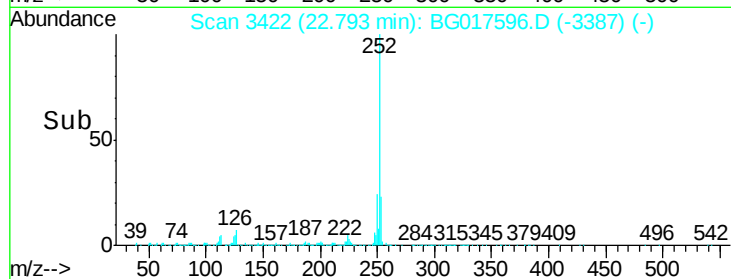
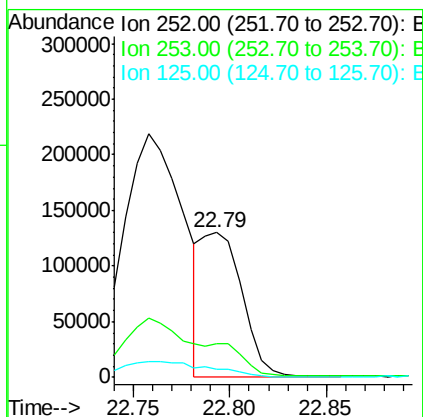
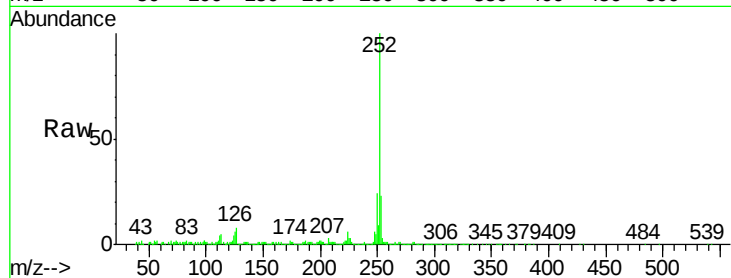
#88
Benzo(k)fluoranthene
Concen: 24.44 ng m
RT: 22.79 min Scan# 3422
Delta R.T. 0.00 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

Instrument :
BNA_G
ClientSampleId :
SEC-3.5-SPDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	17.7	26.5
125	5.9	6.5	9.7#

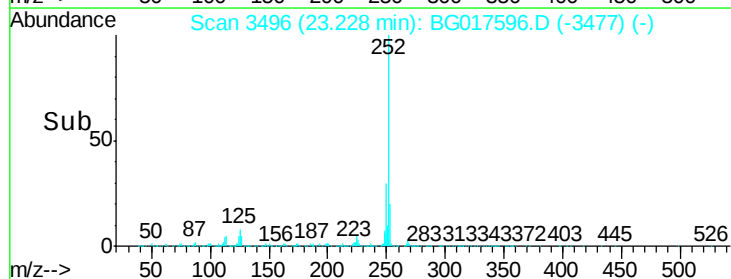
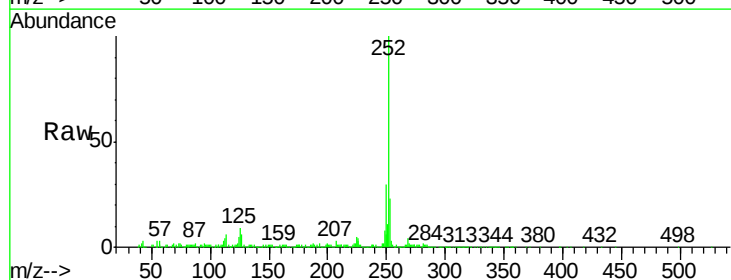
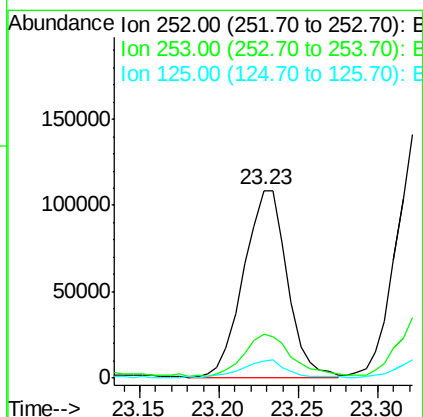
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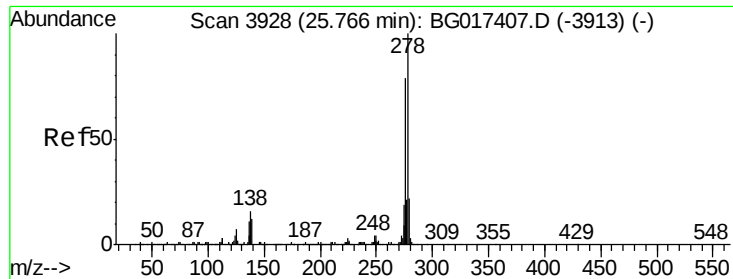
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#89
Benzo(a)pyrene
Concen: 27.60 ng
RT: 23.23 min Scan# 3496
Delta R.T. -0.09 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.1	18.1	27.1
125	9.0	6.5	9.7





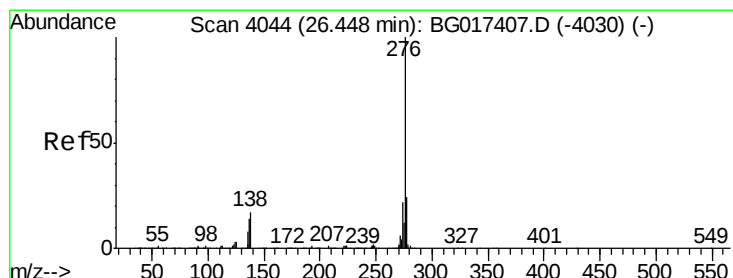
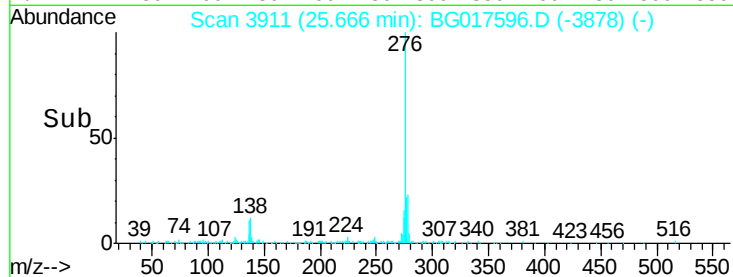
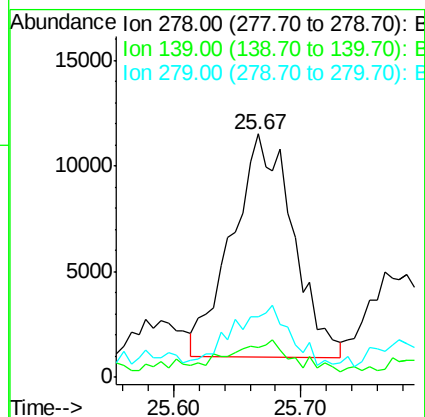
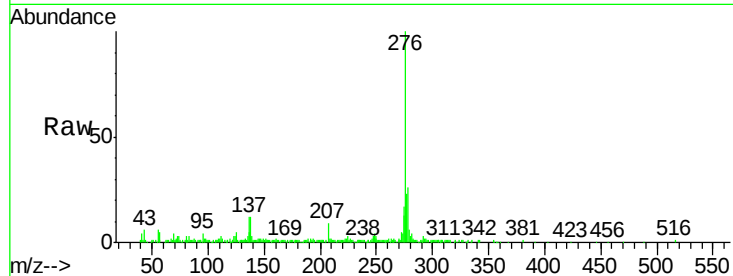
#90
Dibenzo(a,h)anthracene
Concen: 4.52 ng
RT: 25.67 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

Instrument :
BNA_G
ClientSampleId :
SEC-3.5-SPDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	12.4	9.4	14.0
279	24.8	17.8	26.8

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#91
Benzo(g,h,i)perylene
Concen: 14.66 ng
RT: 26.37 min Scan# 4030
Delta R.T. 0.01 min
Lab File: BG017596.D
Acq: 10 Jun 2015 6:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	22.8	19.2	28.8
138	10.6	13.5	20.3

