

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
 Data File : BG016822.D
 Acq On : 30 Apr 2015 6:41
 Operator : TP/IZ
 Sample : G2031-02 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB2

Manual Integrations
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Quant Time: Apr 30 07:38:32 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 02:30:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	62374	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	266680	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	148467	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	275803	20.00	ng	0.00
75) Chrysene-d12	21.16	240	237239	20.00	ng	0.00
86) Perylene-d12	23.36	264	226448	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	63833	18.85	ng	0.00
7) Phenol-d6	6.76	99	85412	17.97	ng	0.00
23) Nitrobenzene-d5	8.73	82	44080	10.77	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	17488	15.82	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	113382	11.82	ng	0.00
78) Terphenyl-d14	19.60	244	117649	11.96	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.01	178	111123	7.45	ng	98
74) Fluoranthene	19.03	202	160959	10.04	ng	98
77) Pyrene	19.40	202	156853	10.11	ng	99
80) Benzo(a)anthracene	21.14	228	71158	5.19	ng	98
82) Chrysene	21.19	228	63068	4.87	ng	98
85) Indeno(1,2,3-cd)pyrene	25.58	276	33471	2.27	ng	91
87) Benzo(b)fluoranthene	22.70	252	72299m	5.61	ng	
88) Benzo(k)fluoranthene	22.73	252	28482m	2.26	ng	
89) Benzo(a)pyrene	23.26	252	56085	4.59	ng	94
91) Benzo(g,h,i)perylene	26.27	276	31692	2.56	ng	98

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

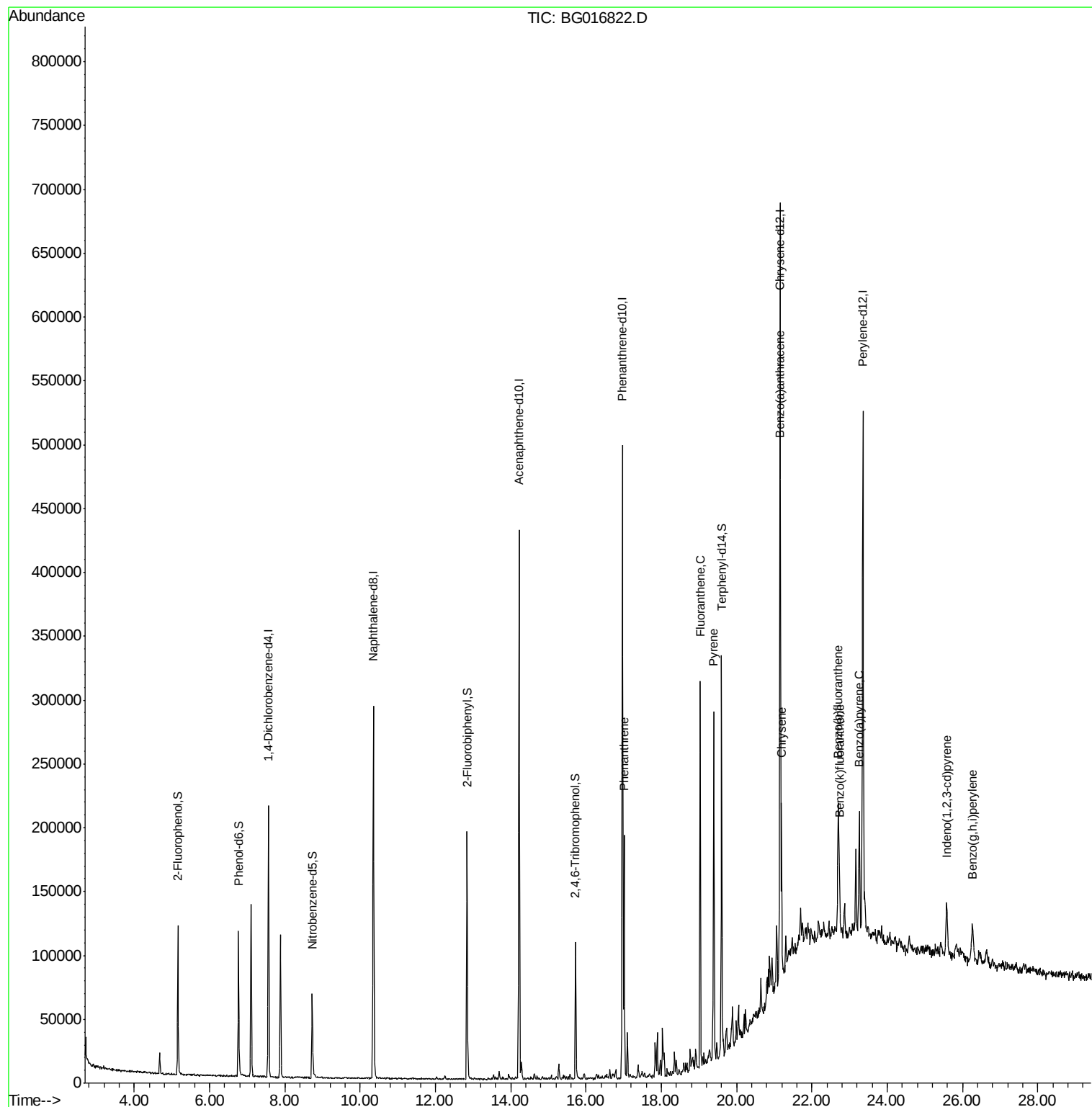
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
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ALS Vial : 28 Sample Multiplier: 1

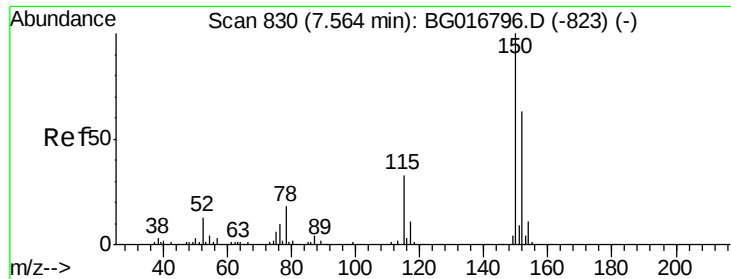
Instrument :
BNA_G
ClientSampleId :
SB2

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#1

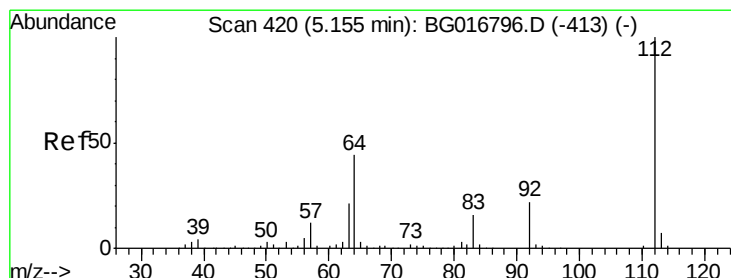
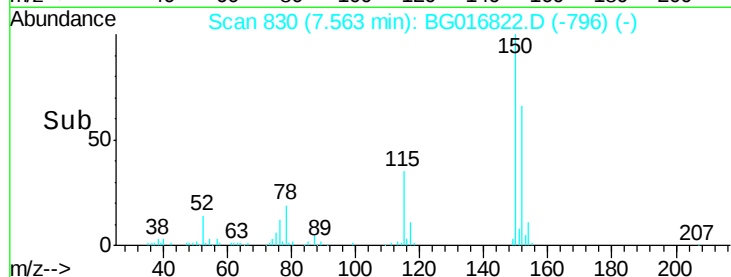
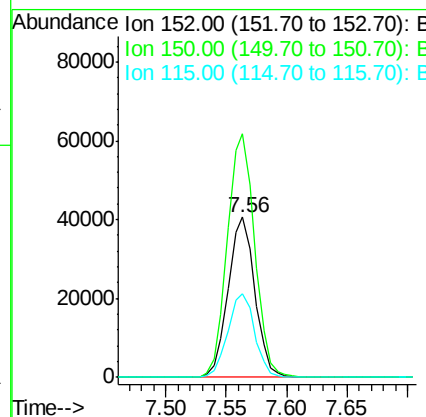
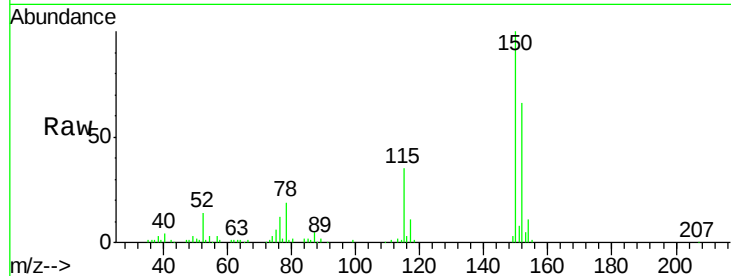
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG016822.D
Acq: 30 Apr 2015 6:41

Instrument :
BNA_G
ClientSampleId :
SB2

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	126.2	189.4
115	52.5	41.1	61.7

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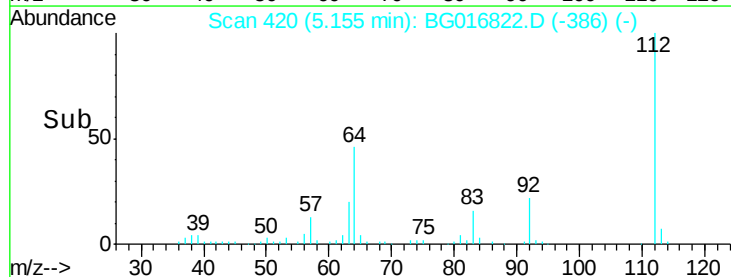
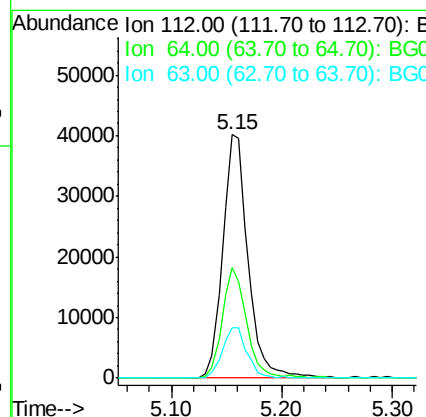
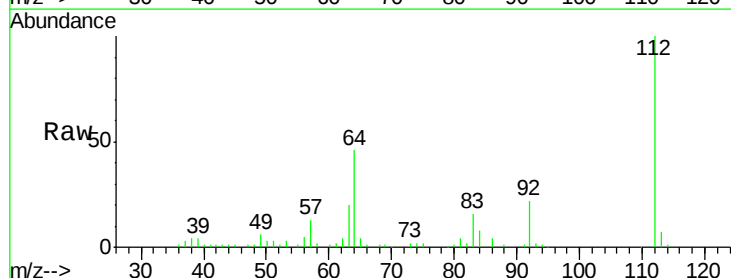
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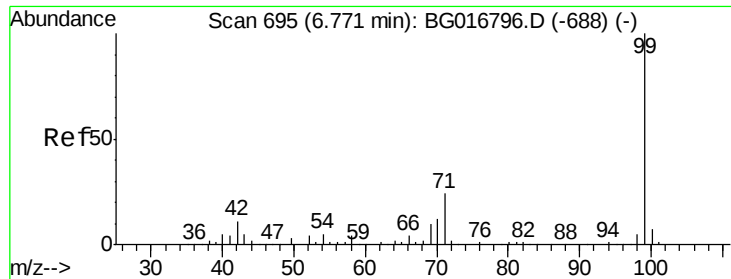


#5

2-Fluorophenol
Concen: 18.85 ng
RT: 5.15 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG016822.D
Acq: 30 Apr 2015 6:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.5	35.5	53.3
63	20.5	17.2	25.8





#7

Phenol-d6

Concen: 17.97 ng

RT: 6.76 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG016822.D

Acq: 30 Apr 2015 6:41

Instrument :

BNA_G

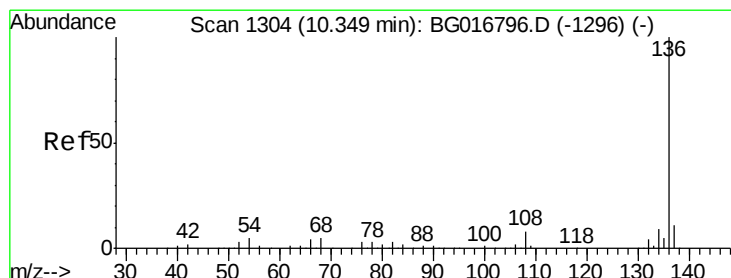
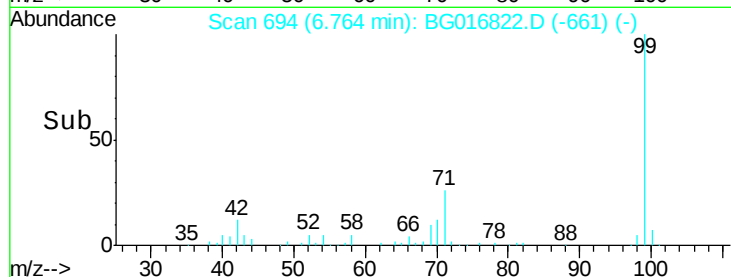
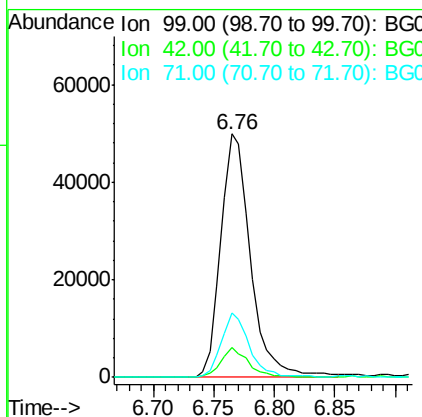
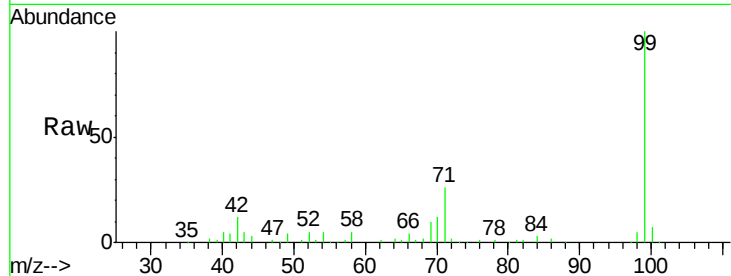
ClientSampleId :

SB2

Tot Ion:	99	Resp:	85412
Ion Ratio	Lower	Upper	
99	100		
42	12.5	8.9	13.3
71	26.3	19.0	28.6

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#21

Naphthalene-d8

Concen: 20.00 ng

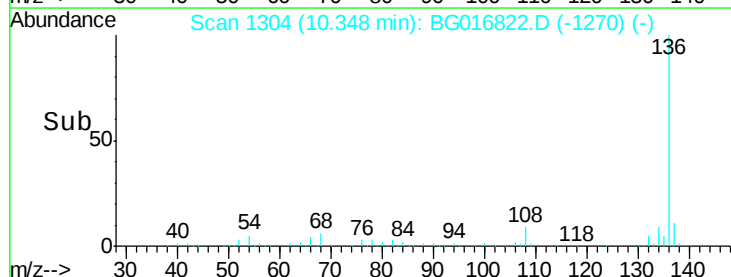
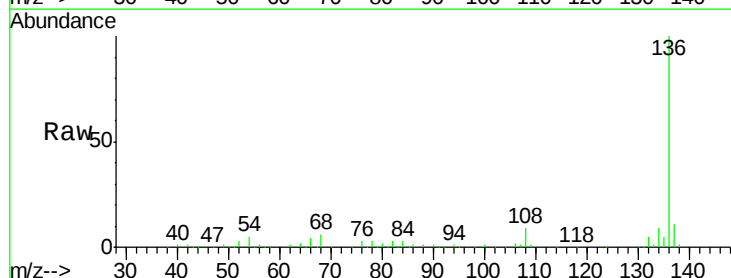
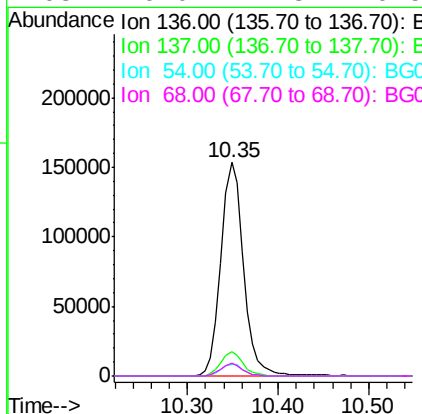
RT: 10.35 min Scan# 1304

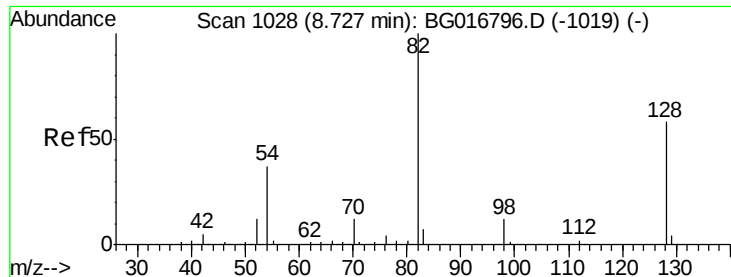
Delta R.T. 0.00 min

Lab File: BG016822.D

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Tgt Ion:	136	Resp:	266680
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	12.8
54	5.5	4.3	6.5
68	6.0	4.3	6.5





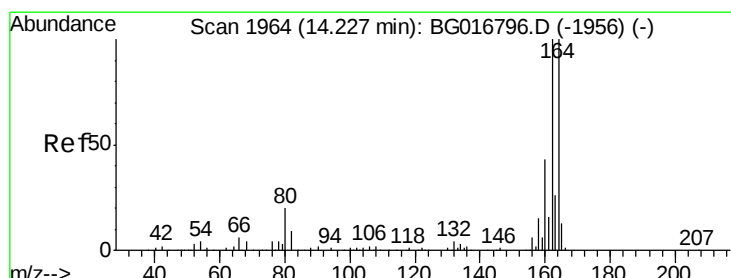
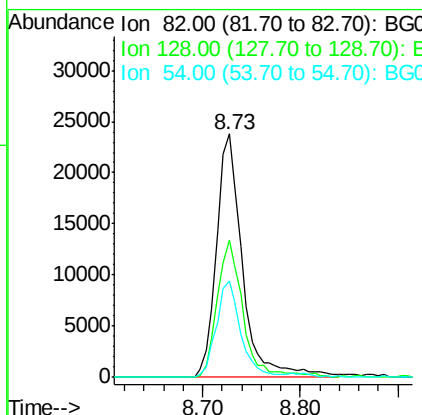
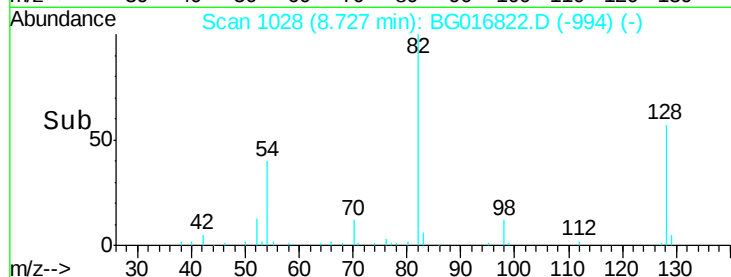
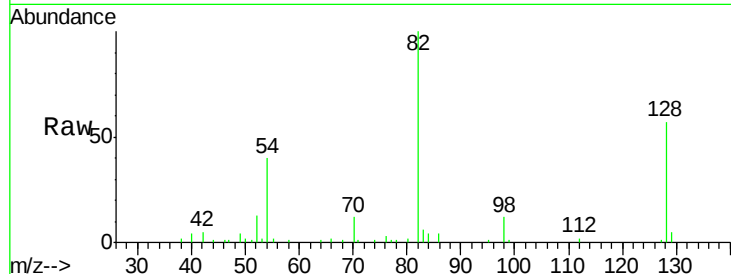
#23
 Nitrobenzene-d5
 Concen: 10.77 ng
 RT: 8.73 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BG016822.D
 Acq: 30 Apr 2015 6:41

Instrument :
 BNA_G
 ClientSampleId :
 SB2

Tot Ion	82	Resp	44080
Ion Ratio	100	Lower	Upper
128	56.7	46.3	69.5
54	39.8	30.0	45.0

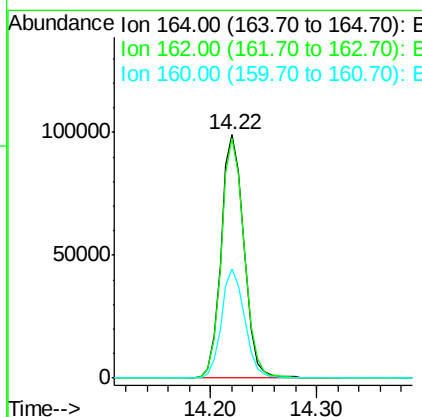
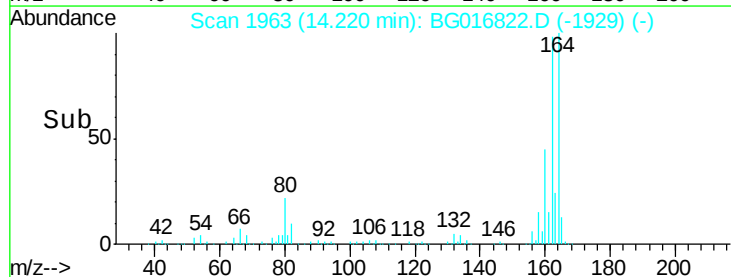
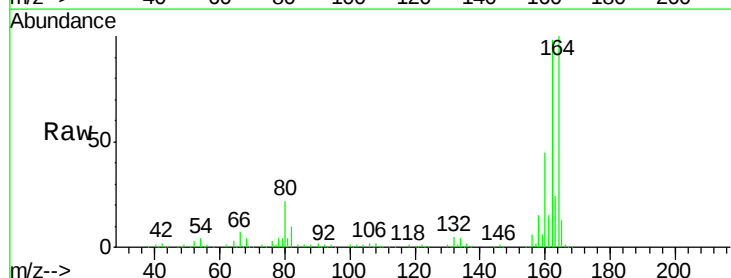
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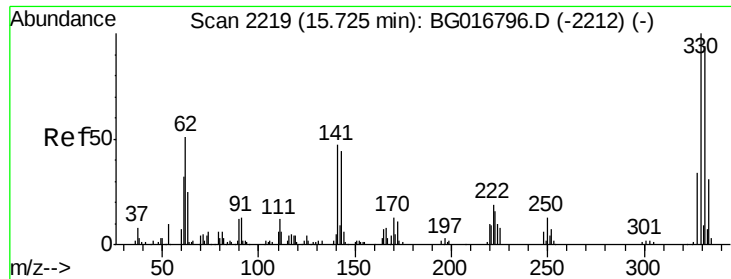
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.22 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: BG016822.D
 Acq: 30 Apr 2015 6:41

Tgt Ion	164	Resp	148467
Ion Ratio	100	Lower	Upper
162	98.5	80.2	120.4
160	44.8	34.8	52.2





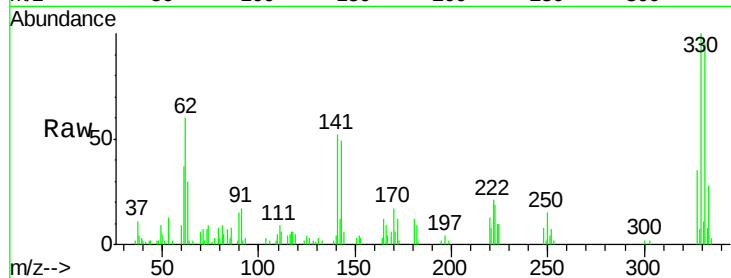
#41
 2,4,6-Tribromophenol
 Concen: 15.82 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BG016822.D
 Acq: 30 Apr 2015 6:41

Instrument :
 BNA_G
 ClientSampleID :
 SB2

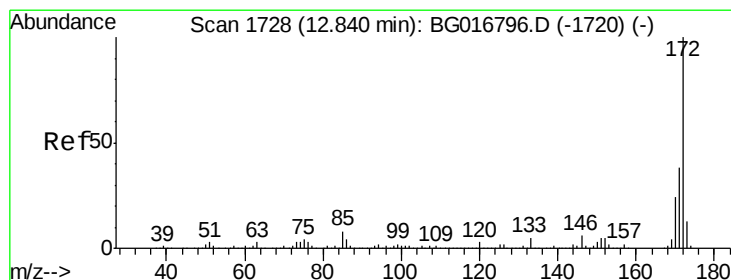
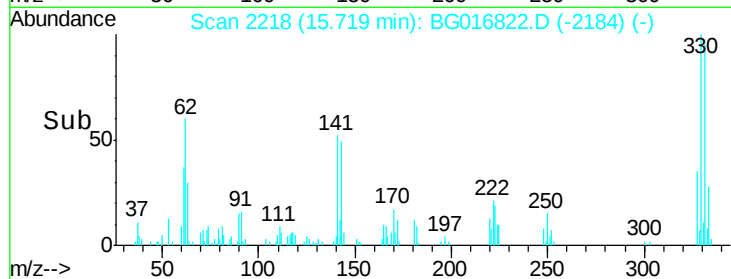
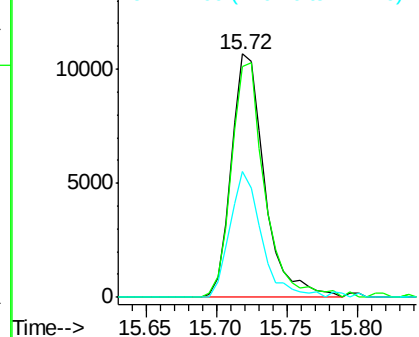
Tot Ion	Ratio	Resp	Lower	Upper
330	100	17488		
332	96.3		75.3	112.9
141	48.8		40.7	61.1

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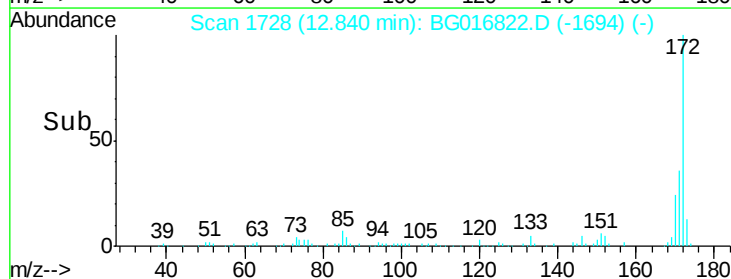
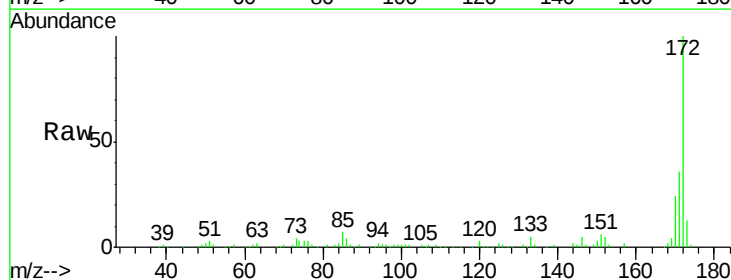
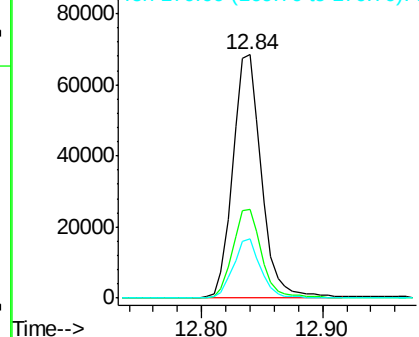
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

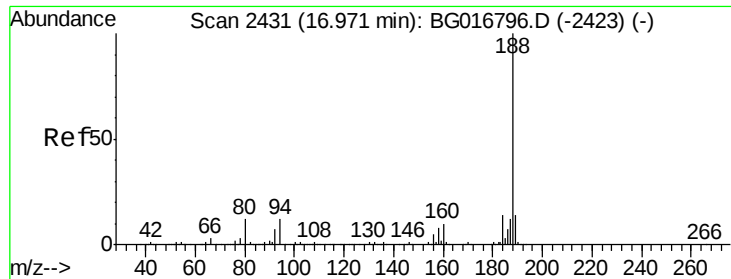


#44
 2-Fluorobiphenyl
 Concen: 11.82 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BG016822.D
 Acq: 30 Apr 2015 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	113382		
171	36.4		30.2	45.4
170	24.1		19.4	29.0

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





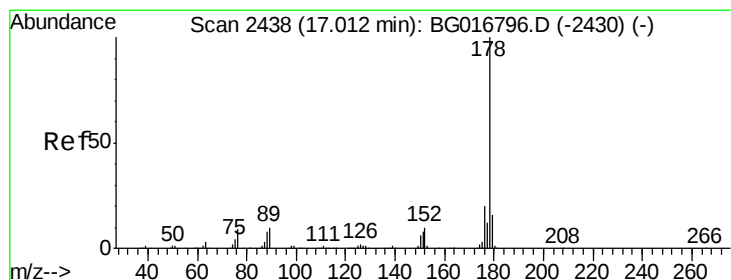
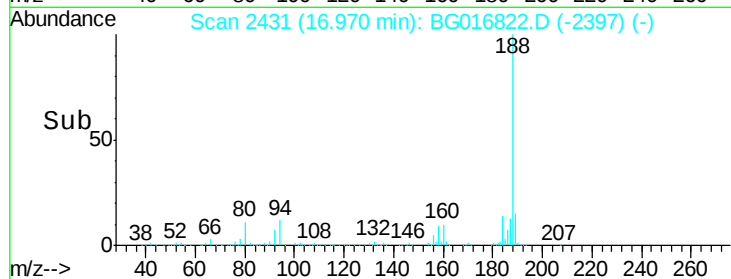
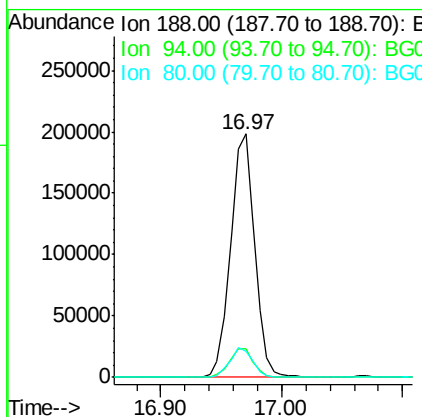
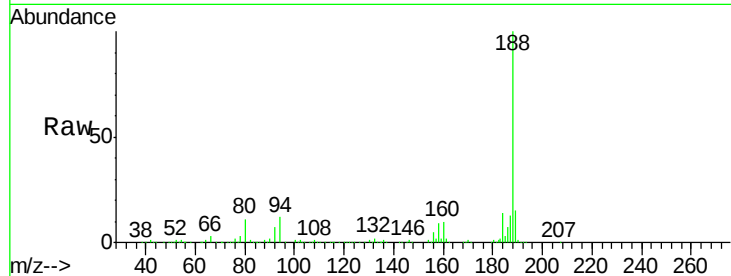
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2431
Delta R.T. 0.00 min
Lab File: BG016822.D
Acq: 30 Apr 2015 6:41

Instrument :
BNA_G
ClientSampleId :
SB2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.7	9.5	14.3
80	11.0	9.2	13.8

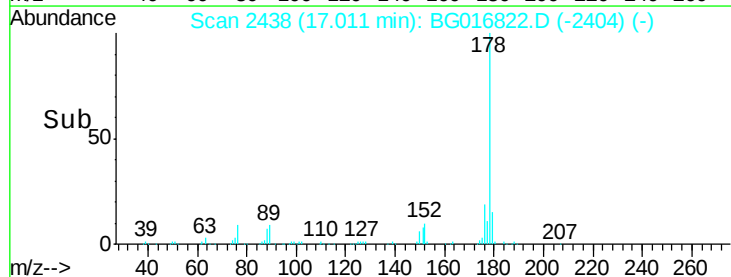
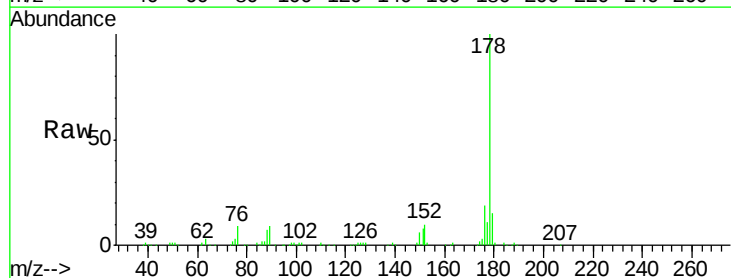
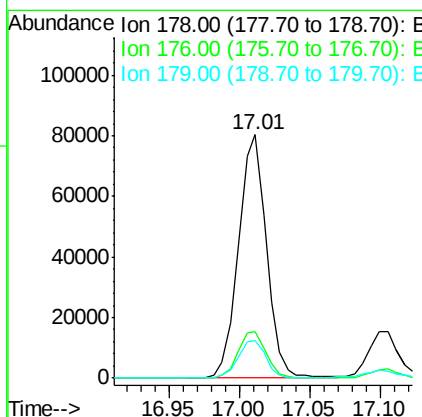
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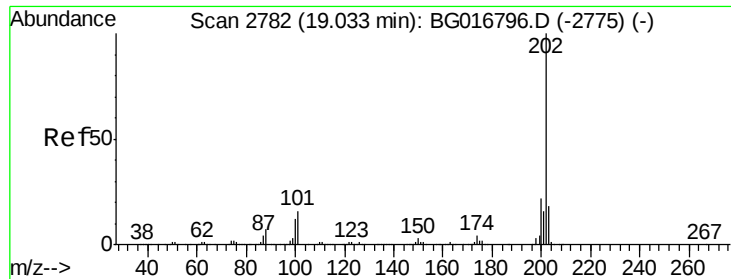
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#70
Phenanthrene
Concen: 7.45 ng
RT: 17.01 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BG016822.D
Acq: 30 Apr 2015 6:41

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.5	12.7	19.1





#74

Fluoranthene

Concen: 10.04 ng

RT: 19.03 min Scan# 2782

Delta R.T. 0.00 min

Lab File: BG016822.D

Acq: 30 Apr 2015 6:41

Instrument :

BNA_G

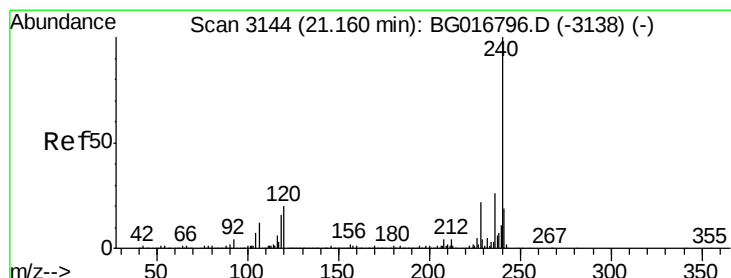
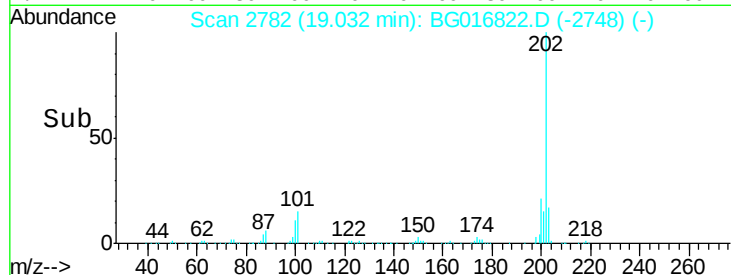
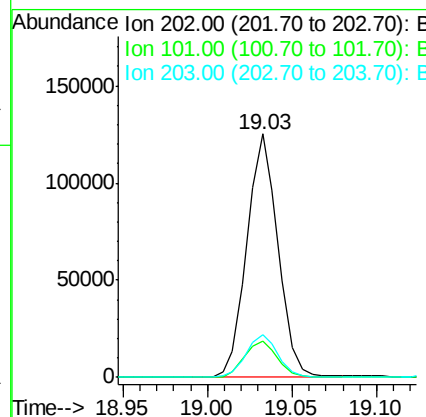
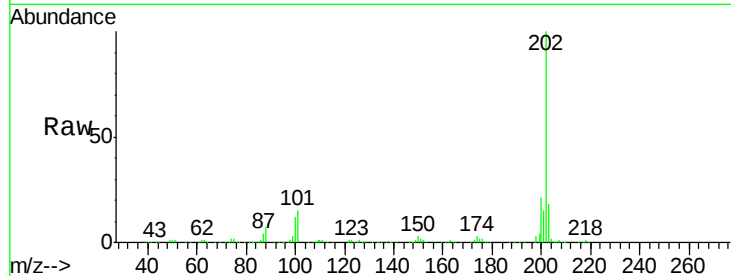
ClientSampleId :

SB2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.9	0.0	36.2
203	17.8	0.0	37.6

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#75

Chrysene-d12

Concen: 20.00 ng

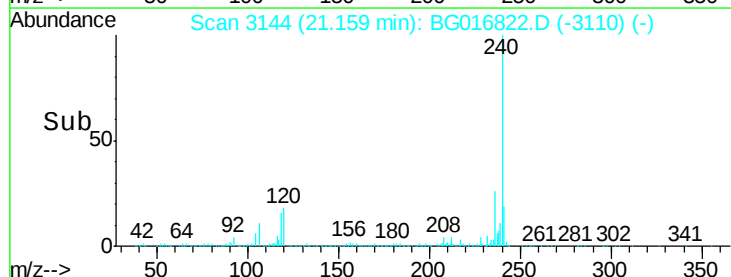
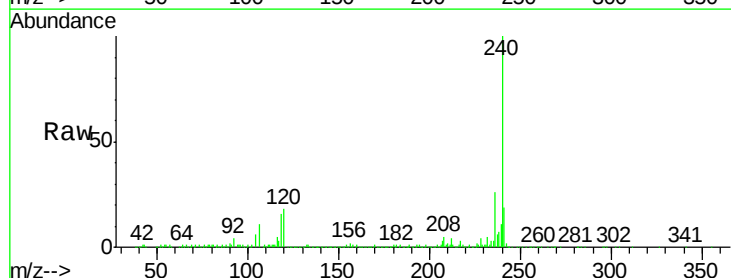
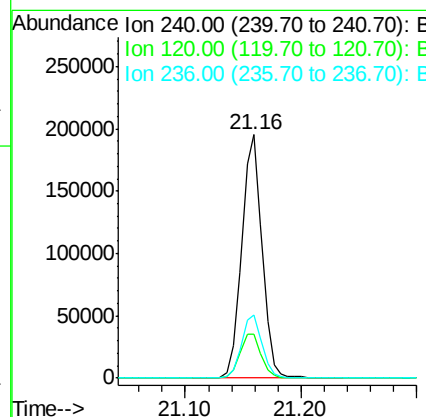
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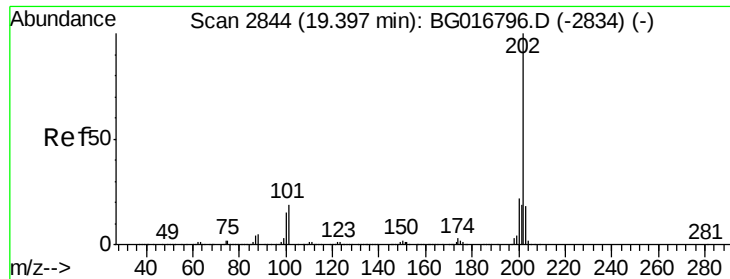
Delta R.T. 0.00 min

Lab File: BG016822.D

Acq: 30 Apr 2015 6:41

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.9	16.1	24.1
236	25.8	21.0	31.6





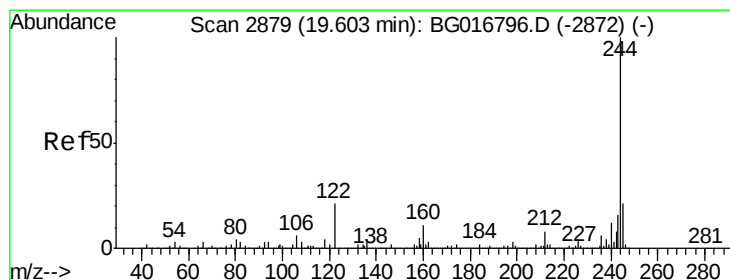
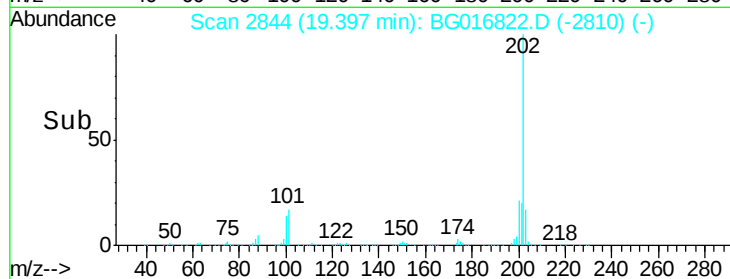
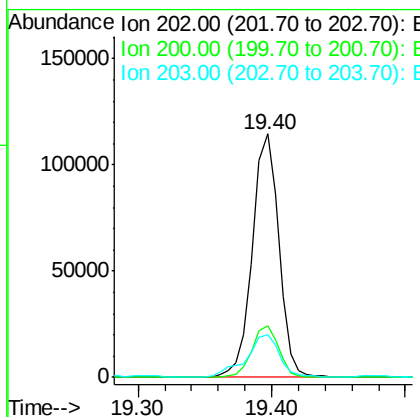
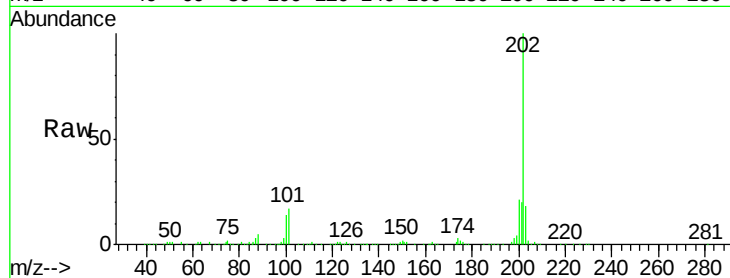
#77
Pvrene
Concen: 10.11 ng
RT: 19.40 min Scan# 2844
Delta R.T. 0.00 min
Lab File: BG016822.D
Acq: 30 Apr 2015 6:41

Instrument :
BNA_G
ClientSampleId :
SB2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.3	25.9
203	17.5	14.6	22.0

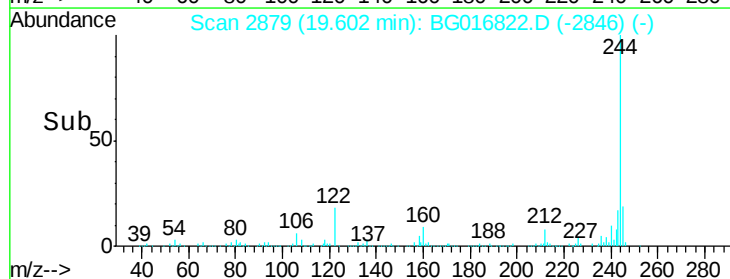
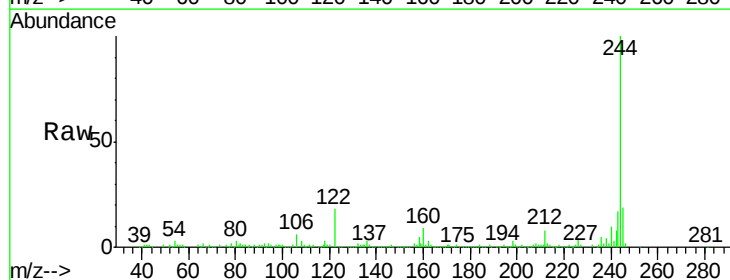
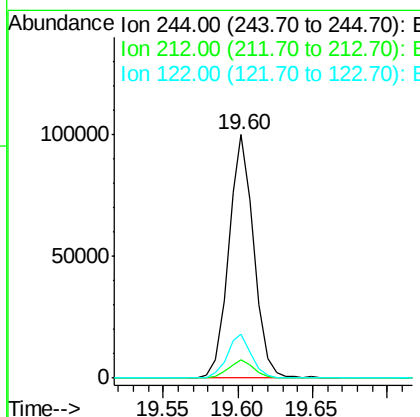
Manual Integrations
APPROVED

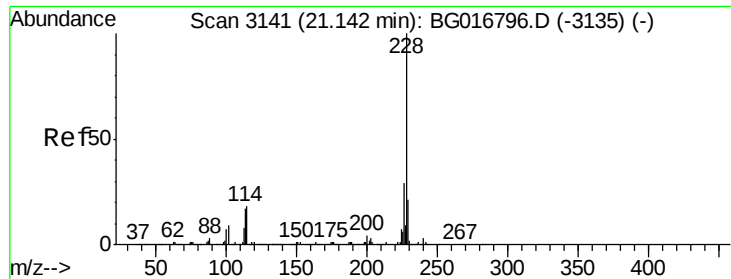
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#78
Terphenyl-d14
Concen: 11.96 ng
RT: 19.60 min Scan# 2879
Delta R.T. -0.00 min
Lab File: BG016822.D
Acq: 30 Apr 2015 6:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.6	6.4	9.6
122	17.8	16.4	24.6





#80

Benzo(a)anthracene

Concen: 5.19 ng

RT: 21.14 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG016822.D

Acq: 30 Apr 2015 6:41

Instrument :

BNA_G

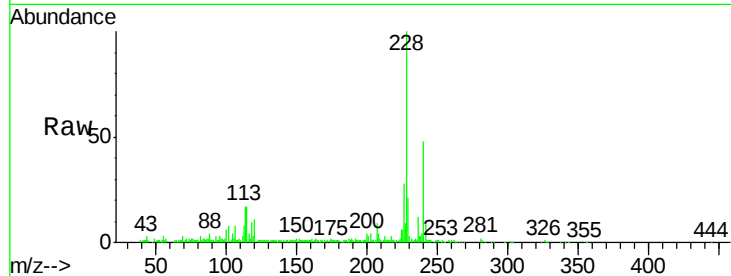
ClientSampleId :

SB2

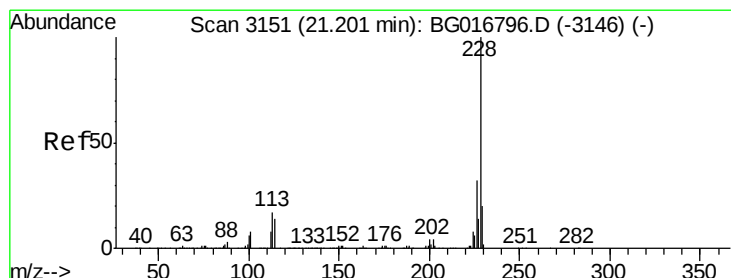
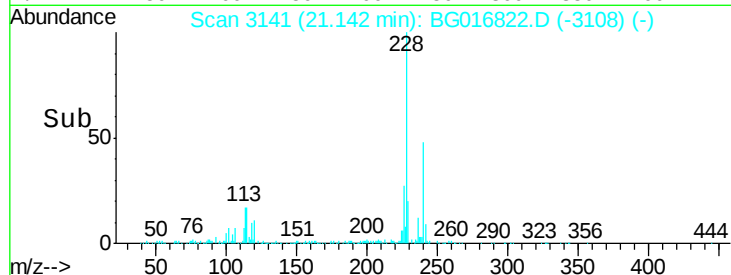
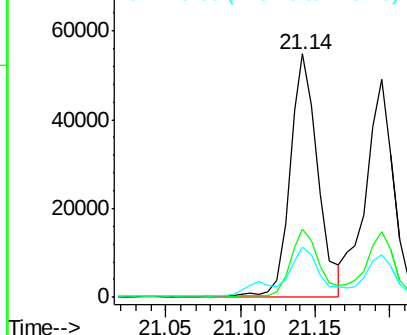
Tot Ion:	228	Resp:	71158
Ion Ratio	Lower	Upper	
228	100		
226	28.1	23.4	35.0
229	20.6	17.0	25.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.87 ng

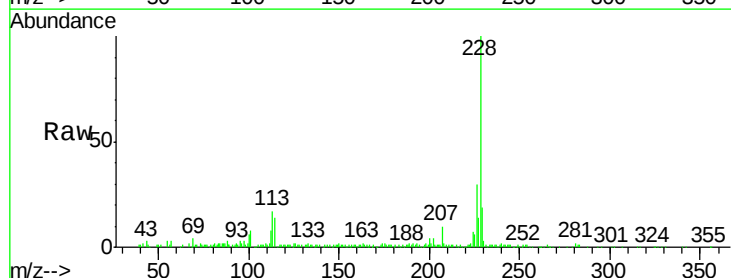
RT: 21.19 min Scan# 3150

Delta R.T. -0.00 min

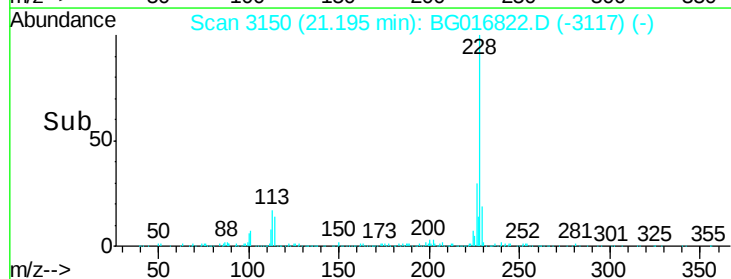
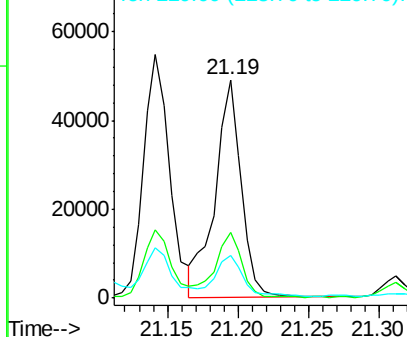
Lab File: BG016822.D

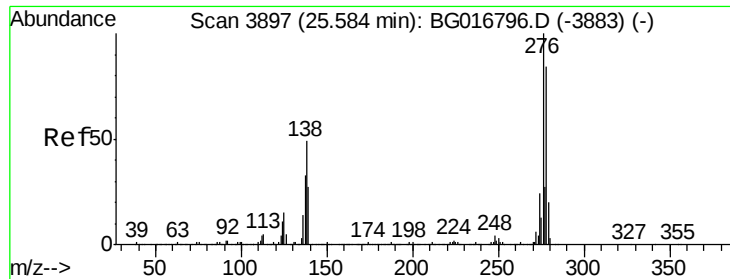
Acq: 30 Apr 2015 6:41

Tgt Ion:	228	Resp:	63068
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.1	37.7
229	19.5	16.1	24.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





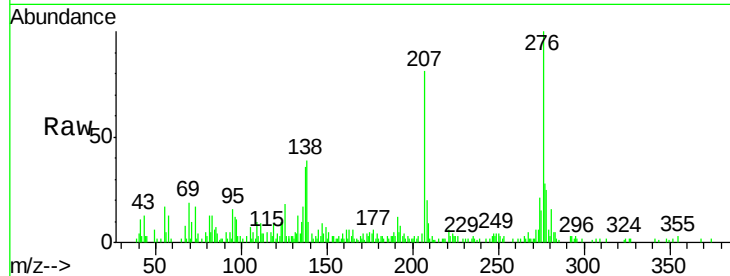
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.27 ng
 RT: 25.58 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: BG016822.D
 Acq: 30 Apr 2015 6:41

Instrument :
 BNA_G
 ClientSampled :
 SB2

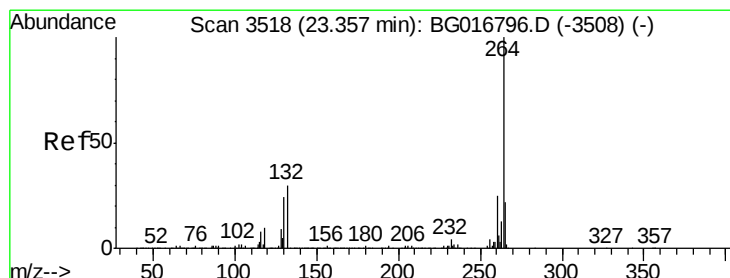
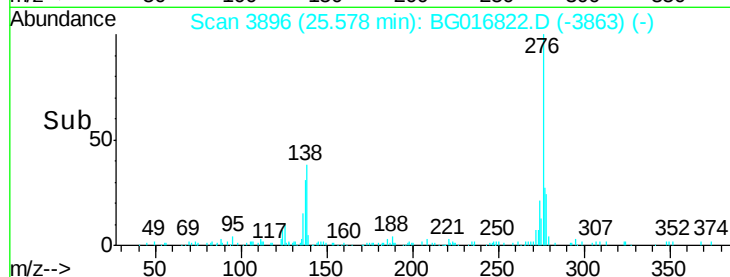
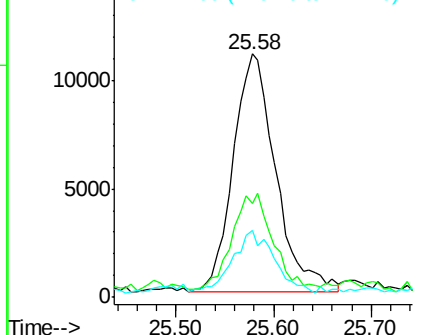
Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	38.0		37.0	55.6	
277	25.2		21.4	32.0	

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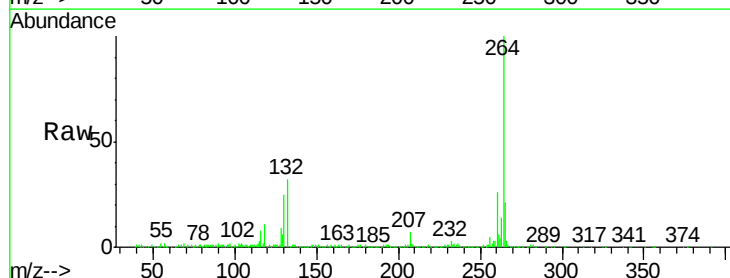


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

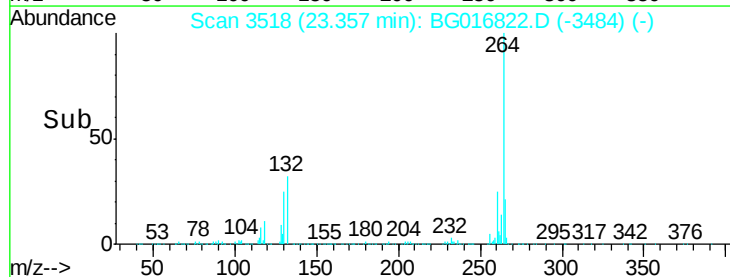
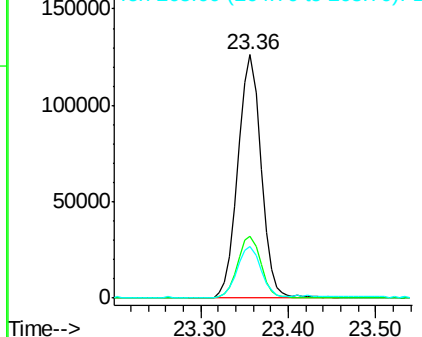


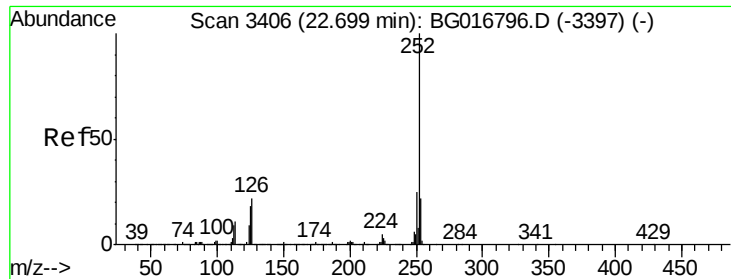
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.36 min Scan# 3518
 Delta R.T. 0.00 min
 Lab File: BG016822.D
 Acq: 30 Apr 2015 6:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	25.6		19.7	29.5	
265	21.3		17.4	26.2	



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





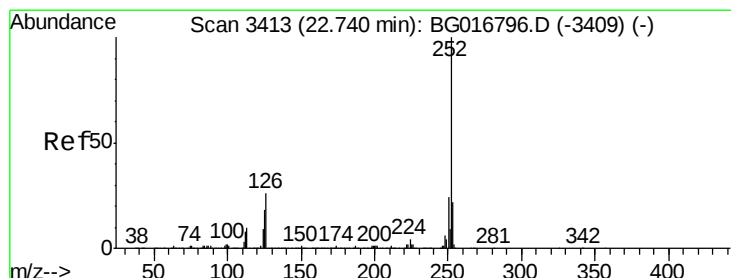
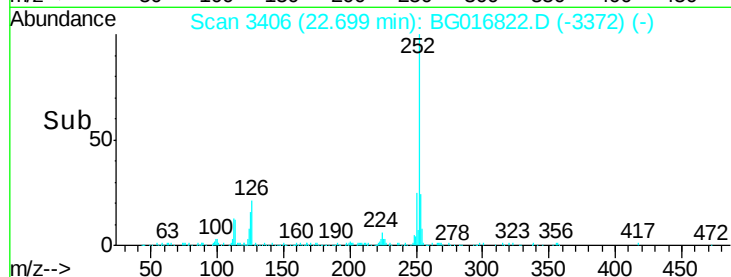
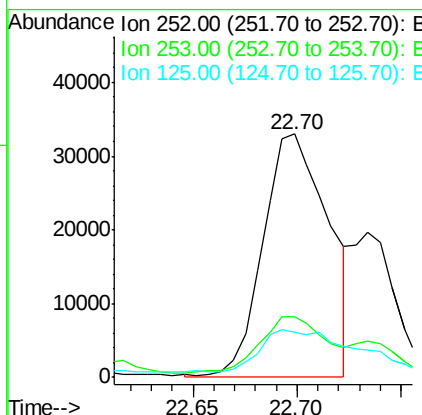
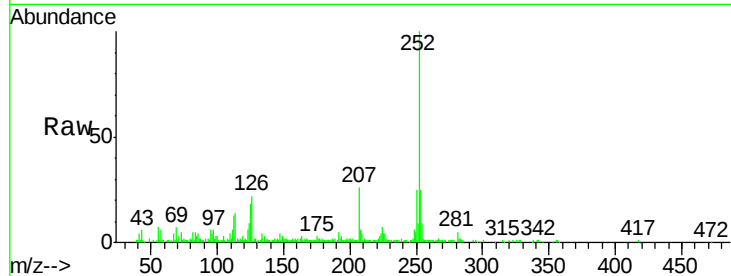
#87
Benzo(b)fluoranthene
Concen: 5.61 ng m
RT: 22.70 min Scan# 3406
Delta R.T. 0.00 min
Lab File: BG016822.D
Acq: 30 Apr 2015 6:41

Instrument :
BNA_G
ClientSampled :
SB2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	18.5	14.2	21.2

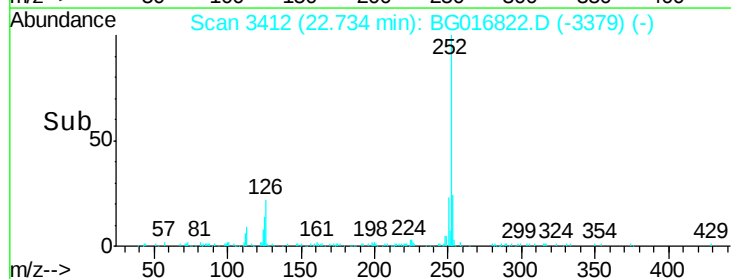
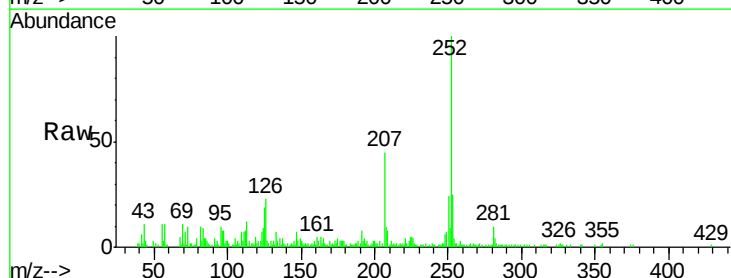
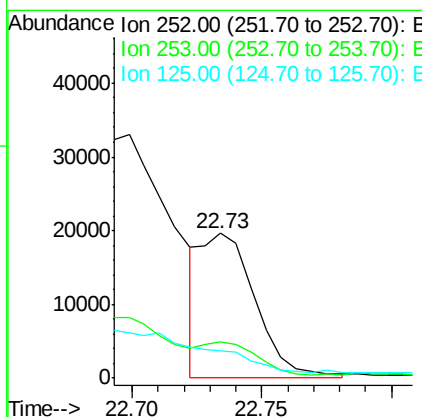
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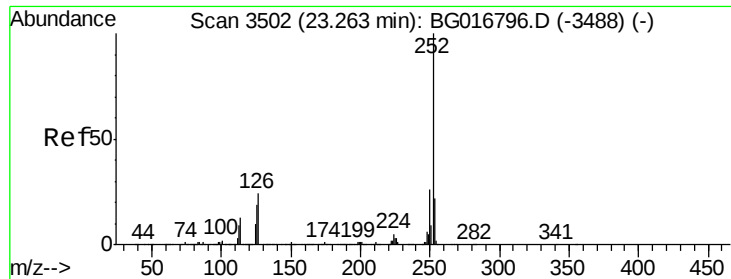
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#88
Benzo(k)fluoranthene
Concen: 2.26 ng m
RT: 22.73 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BG016822.D
Acq: 30 Apr 2015 6:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	18.7	14.5	21.7





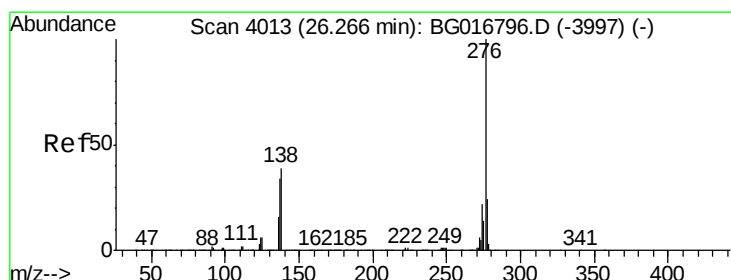
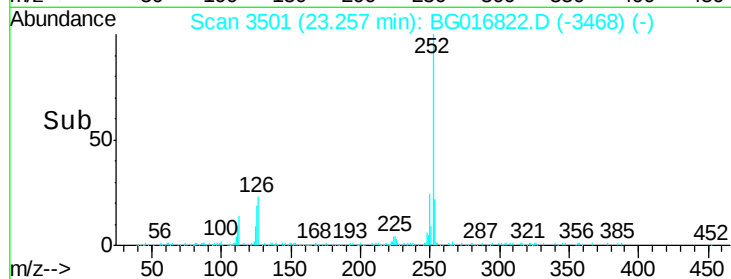
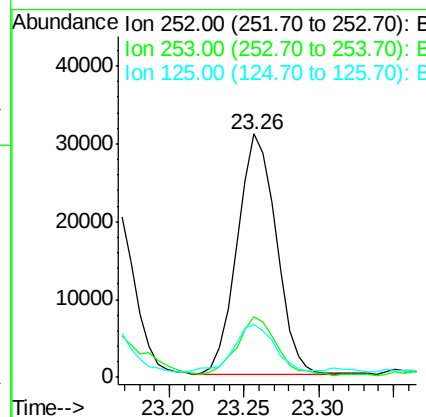
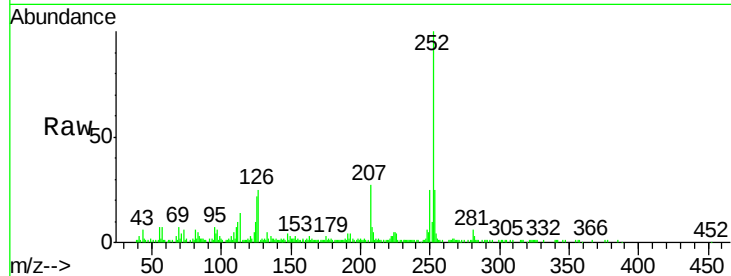
#89
Benzo(a)pyrene
Concen: 4.59 ng
RT: 23.26 min Scan# 3501
Delta R.T. -0.00 min
Lab File: BG016822.D
Acq: 30 Apr 2015 6:41

Instrument :
BNA_G
ClientSampleId :
SB2

Tot Ion:	252	Resp:	56085
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.9	26.9
125	21.9	15.0	22.4

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#91
Benzo(g,h,i)perylene
Concen: 2.56 ng
RT: 26.27 min Scan# 4014
Delta R.T. 0.01 min
Lab File: BG016822.D
Acq: 30 Apr 2015 6:41

Tgt Ion:	276	Resp:	31692
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.6	29.4
138	39.7	31.0	46.4

