

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
 Data File : BG016815.D
 Acq On : 30 Apr 2015 2:37
 Operator : TP/IZ
 Sample : G2021-10DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2DL

Manual Integrations
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Quant Time: Apr 30 03:45:59 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	45010	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	194132	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	116813	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	253073	20.00	ng	0.00
75) Chrysene-d12	21.16	240	231188	20.00	ng	0.00
86) Perylene-d12	23.35	264	222258	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	29353	12.01	ng	0.00
7) Phenol-d6	6.77	99	37263	10.86	ng	0.00
23) Nitrobenzene-d5	8.73	82	17734	5.95	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	8034	9.23	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	53675	7.11	ng	0.00
78) Terphenyl-d14	19.60	244	70327	7.34	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.01	178	399796	29.21	ng	100
71) Anthracene	17.10	178	61276	4.48	ng	98
74) Fluoranthene	19.03	202	782561	53.17	ng	99
77) Pyrene	19.40	202	813370	53.81	ng	99
80) Benzo(a)anthracene	21.14	228	410553m	30.74	ng	
82) Chrysene	21.20	228	368387m	29.16	ng	
85) Indeno(1,2,3-cd)pyrene	25.57	276	213370	14.84	ng	93
87) Benzo(b)fluoranthene	22.70	252	447194m	35.34	ng	
88) Benzo(k)fluoranthene	22.73	252	144704m	11.68	ng	
89) Benzo(a)pyrene	23.26	252	339345	28.32	ng	99
90) Dibenzo(a,h)anthracene	25.58	278	46102m	3.81	ng	
91) Benzo(a,h,i)perylene	26.26	276	205380	16.90	ng	99

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

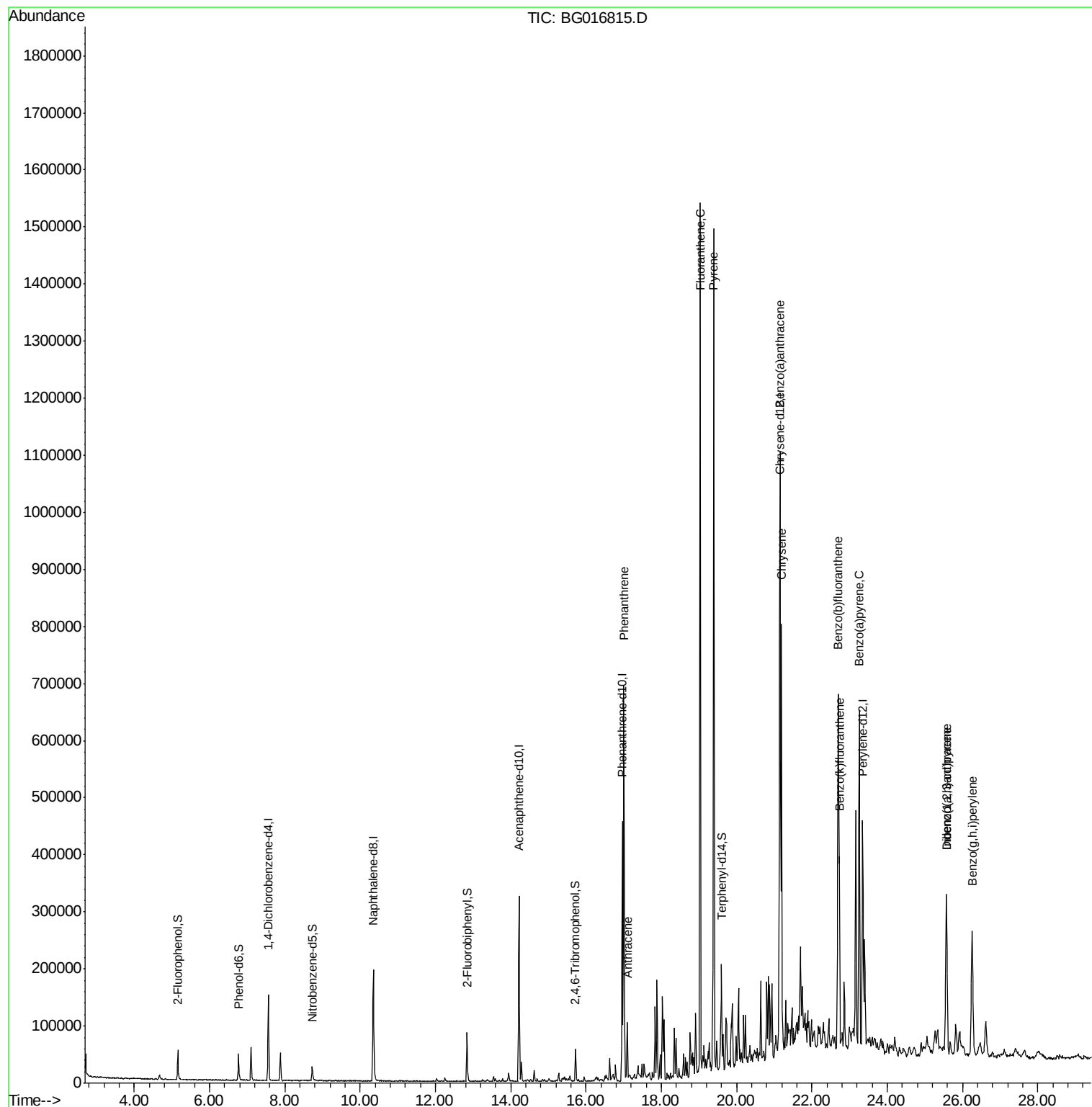
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016815.D
Acq On : 30 Apr 2015 2:37
Operator : TP/IZ
Sample : G2021-10DL 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

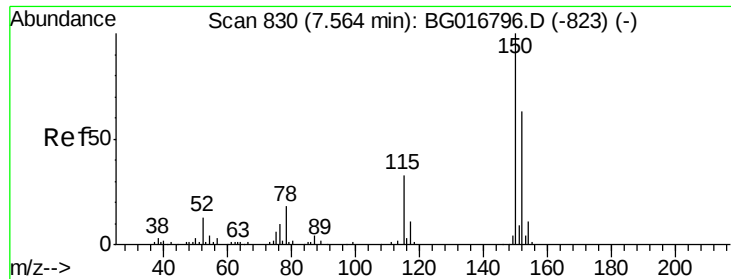
Instrument :
BNA_G
ClientSampleId :
PS-18-0-2DL

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Quant Time: Apr 30 03:45:59 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





#1

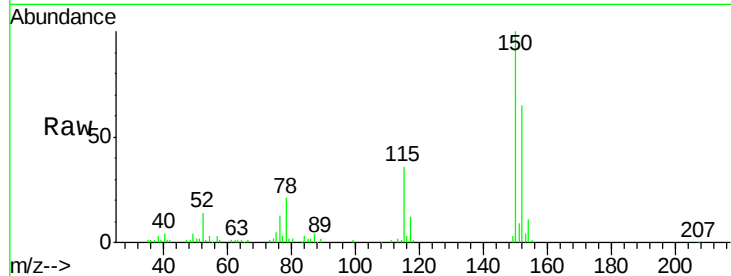
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG016815.D
Acq: 30 Apr 2015 2:37

Instrument :
BNA_G
ClientSampleId :
PS-18-0-2DL

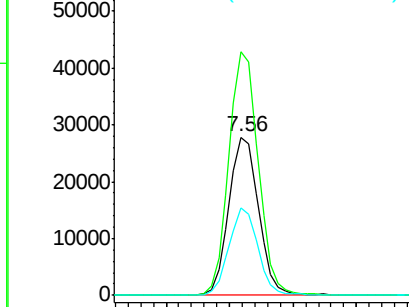
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.2	189.4
115	55.1	41.1	61.7

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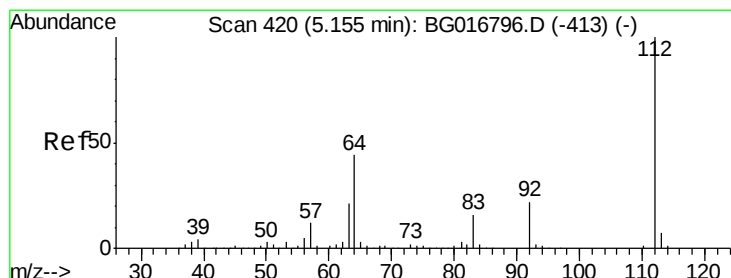
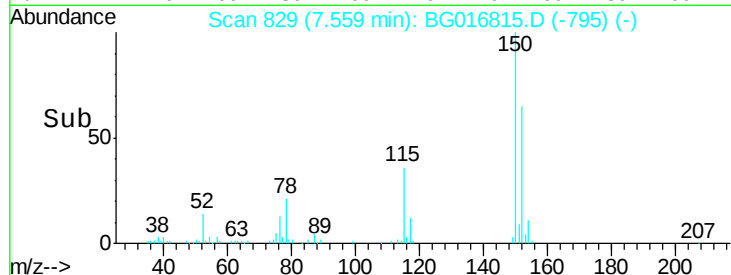
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



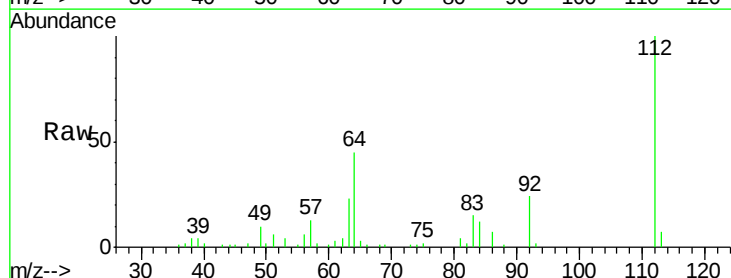
Time-->



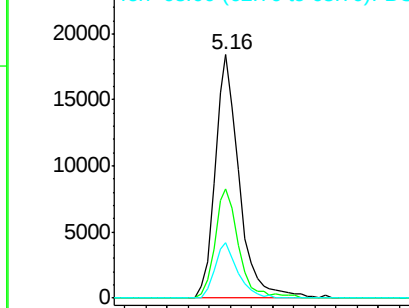
#5

2-Fluorophenol
Concen: 12.01 ng
RT: 5.16 min Scan# 420
Delta R.T. 0.00 min
Lab File: BG016815.D
Acq: 30 Apr 2015 2:37

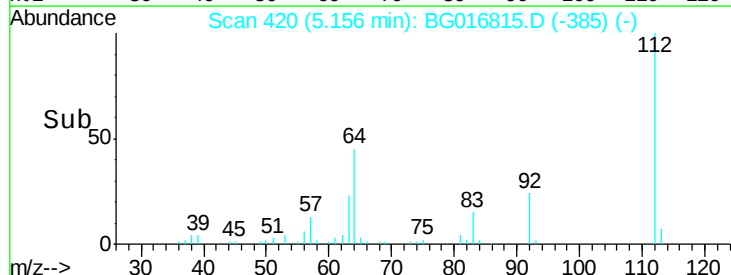
Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.7	35.5	53.3
63	22.9	17.2	25.8

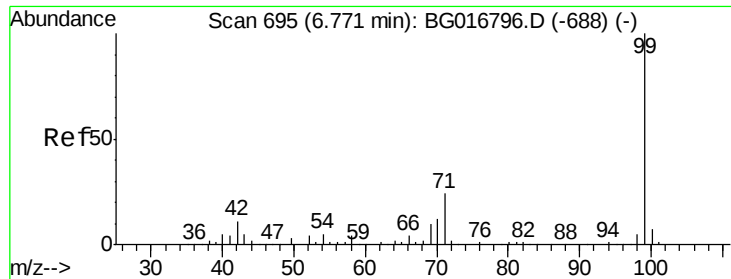


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



Time-->





#7

Phenol-d6

Concen: 10.86 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

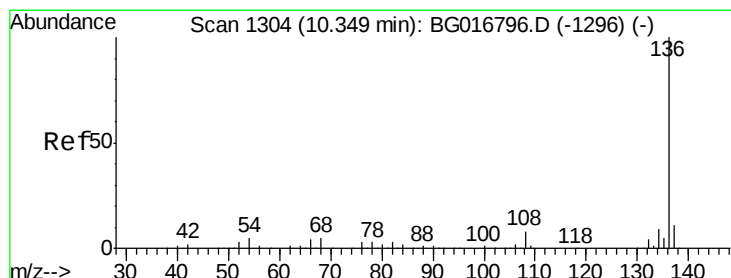
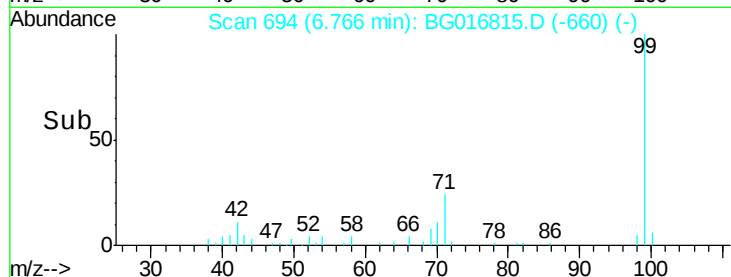
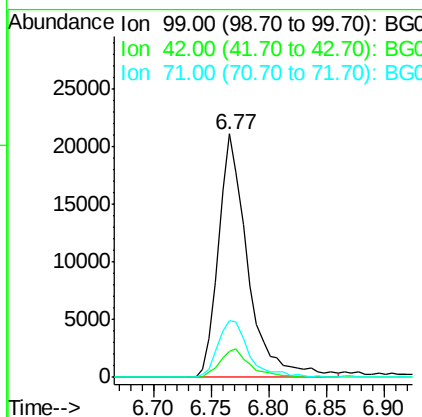
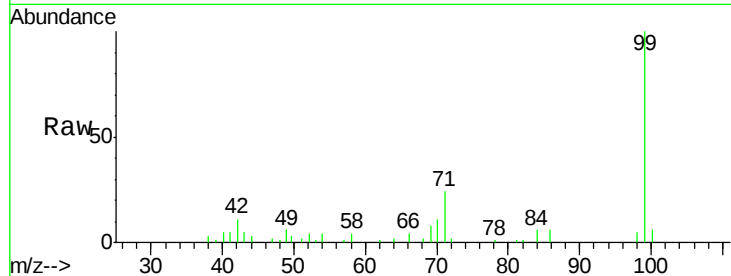
ClientSampleId :

PS-18-0-2DL

Tot Ion:	99	Resp:	37263
Ion Ratio	Lower	Upper	
99	100		
42	10.7	8.9	13.3
71	23.6	19.0	28.6

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#21

Naphthalene-d8

Concen: 20.00 ng

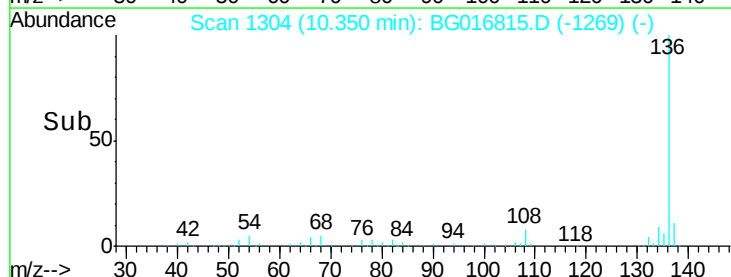
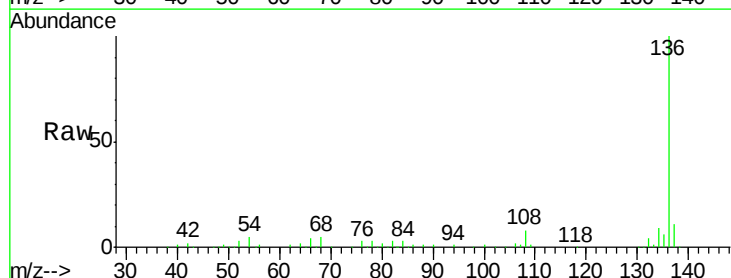
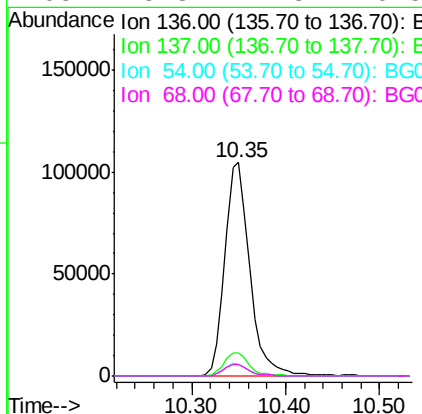
RT: 10.35 min Scan# 1304

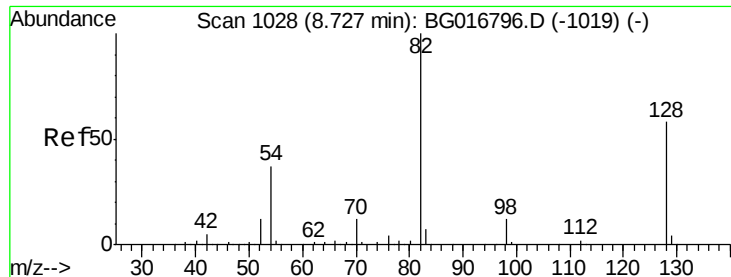
Delta R.T. 0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Tgt Ion:	136	Resp:	194132
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	12.8
54	5.5	4.3	6.5
68	5.3	4.3	6.5





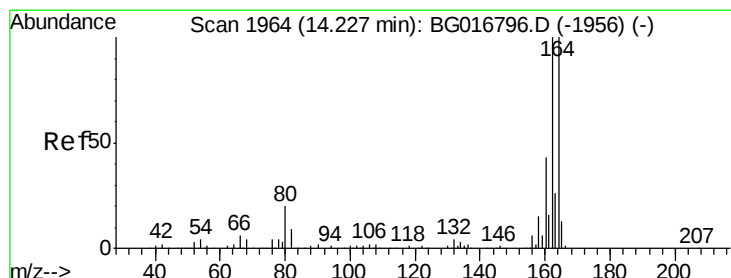
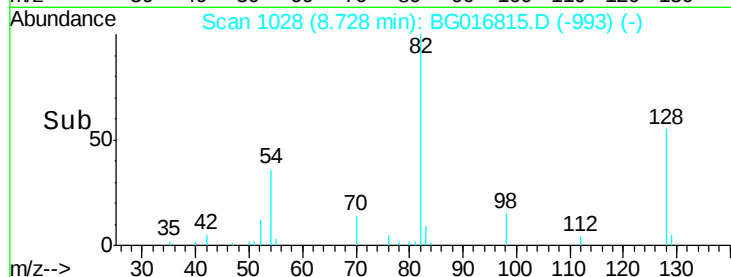
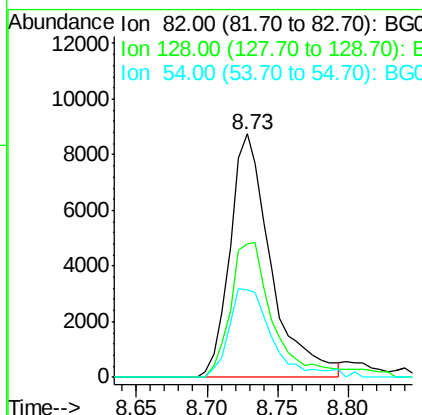
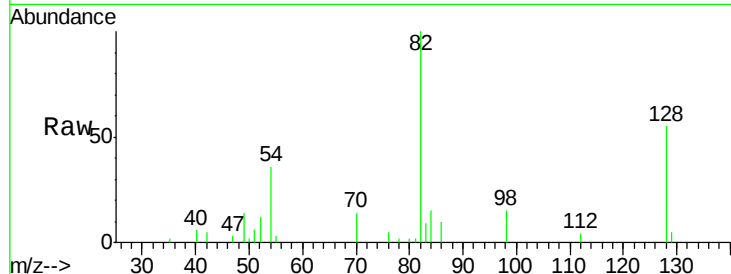
#23
Nitrobenzene-d5
Concen: 5.95 ng
RT: 8.73 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BG016815.D
Acq: 30 Apr 2015 2:37

Instrument :
BNA_G
ClientSampleId :
PS-18-0-2DL

Tot Ion	82	Resp	17734
Ion Ratio	100	Lower	Upper
128	55.0	46.3	69.5
54	35.7	30.0	45.0

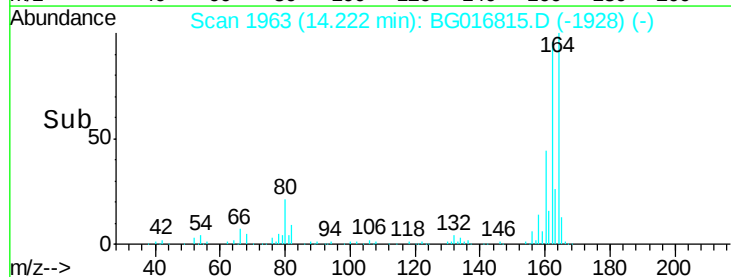
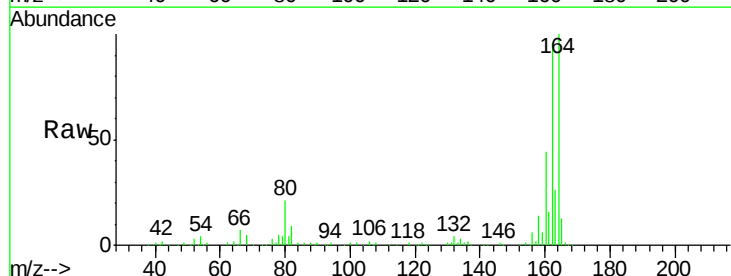
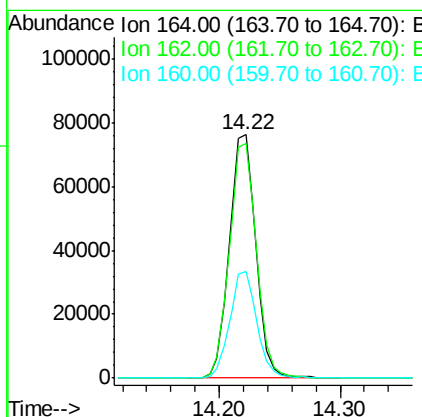
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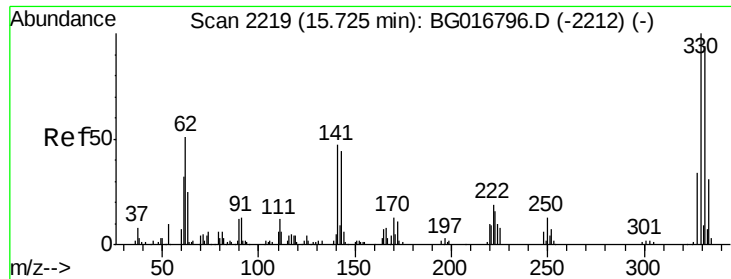
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.22 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BG016815.D
Acq: 30 Apr 2015 2:37

Tgt Ion	164	Resp	116813
Ion Ratio	100	Lower	Upper
162	96.2	80.2	120.4
160	43.7	34.8	52.2





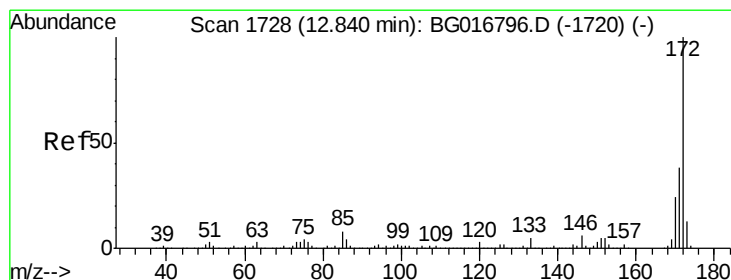
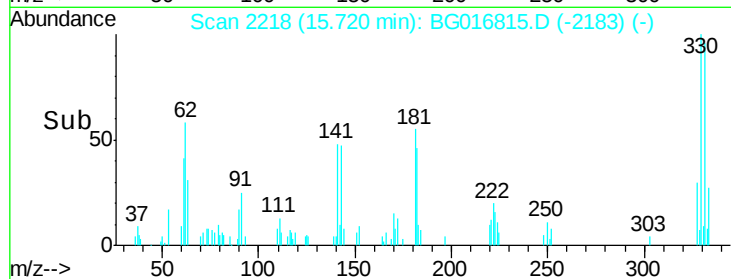
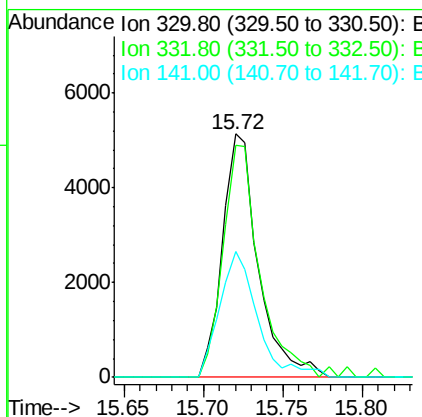
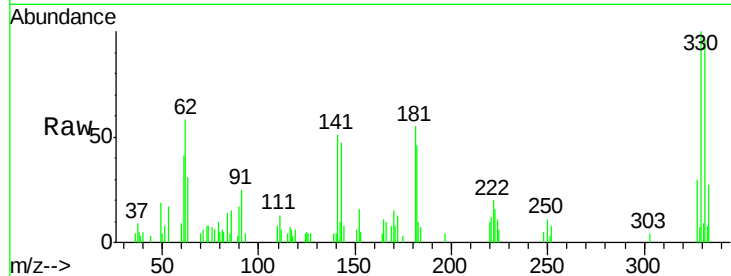
#41
 2,4,6-Tribromophenol
 Concen: 9.23 ng
 RT: 15.72 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	75.3	112.9
141	54.8	40.7	61.1

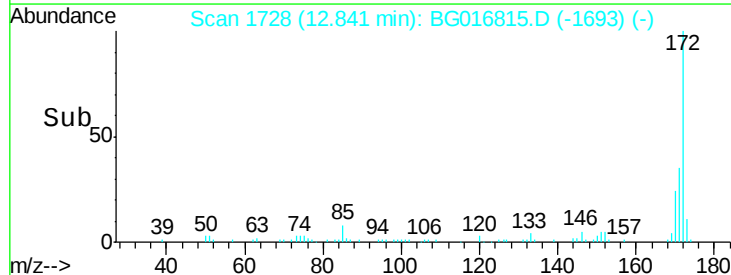
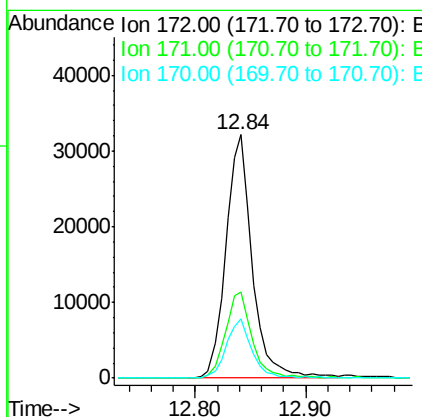
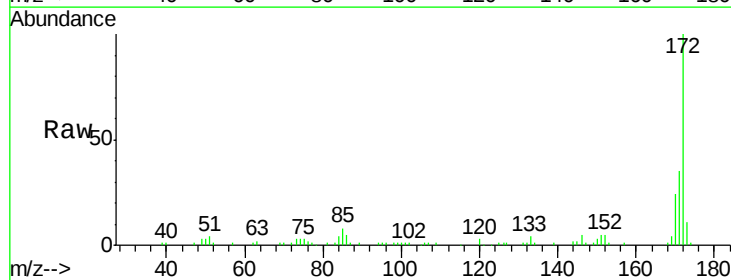
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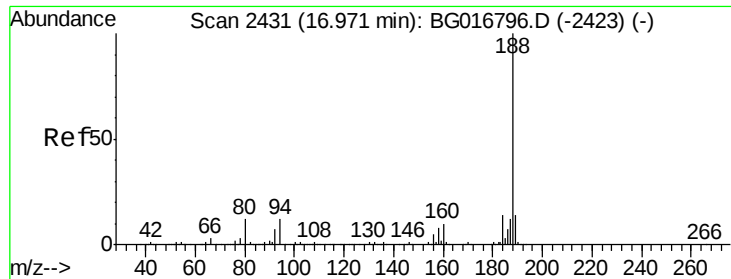
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#44
 2-Fluorobiphenyl
 Concen: 7.11 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.2	45.4
170	24.2	19.4	29.0





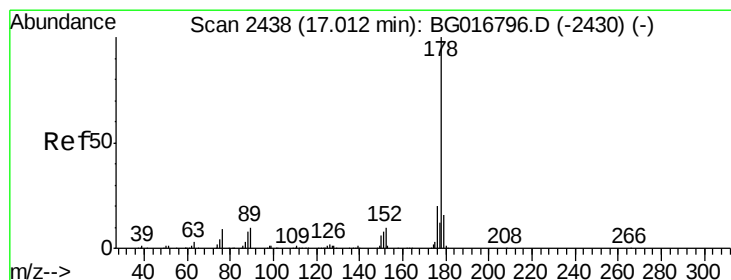
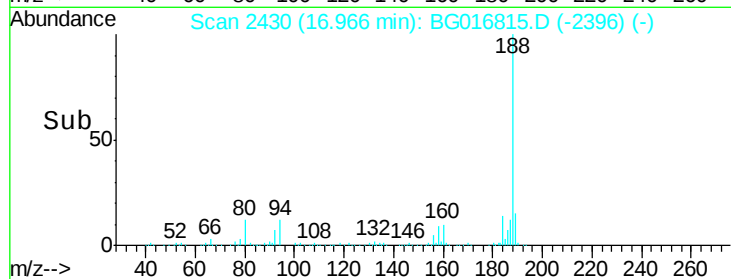
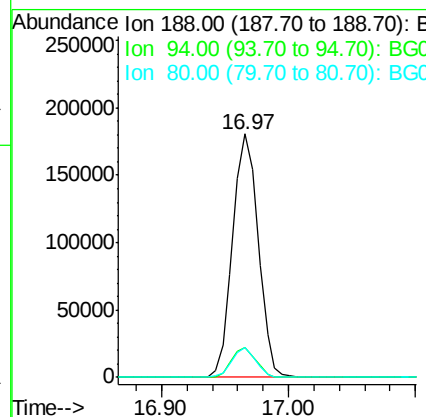
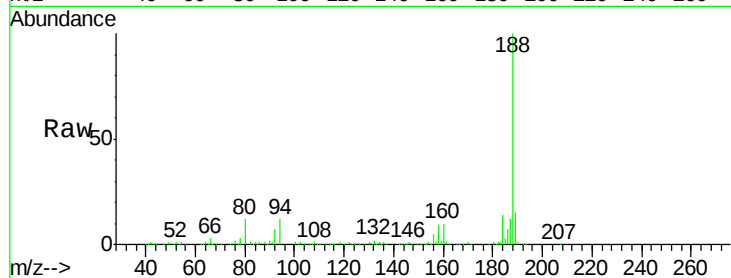
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG016815.D
Acq: 30 Apr 2015 2:37

Instrument :
BNA_G
ClientSampleId :
PS-18-0-2DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.1	9.5	14.3
80	12.0	9.2	13.8

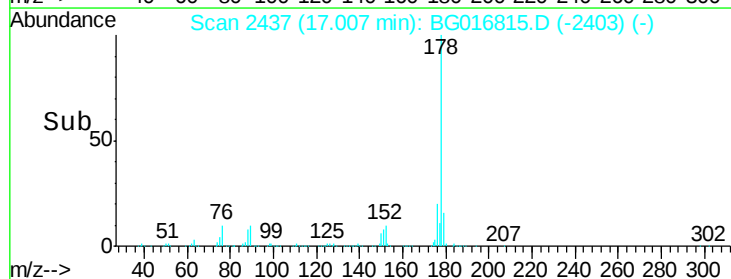
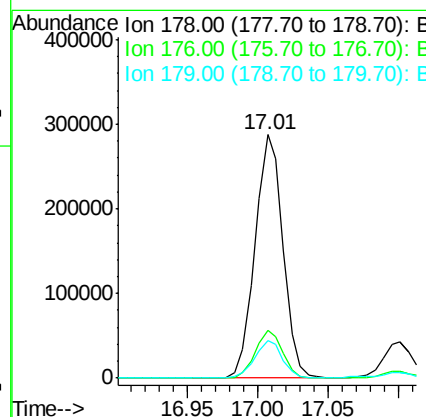
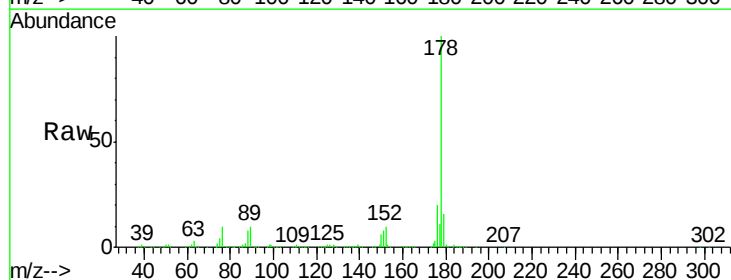
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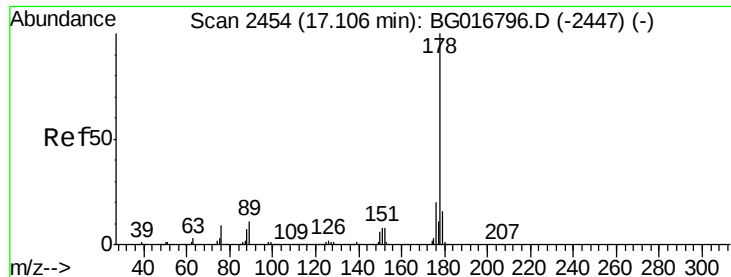
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#70
Phenanthrene
Concen: 29.21 ng
RT: 17.01 min Scan# 2437
Delta R.T. -0.00 min
Lab File: BG016815.D
Acq: 30 Apr 2015 2:37

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.5	12.7	19.1





#71

Anthracene

Concen: 4.48 ng

RT: 17.10 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

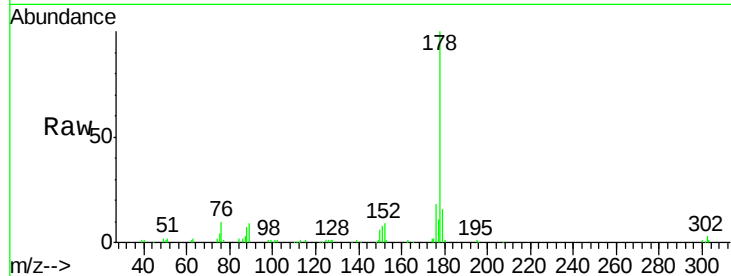
ClientSampleId :

PS-18-0-2DL

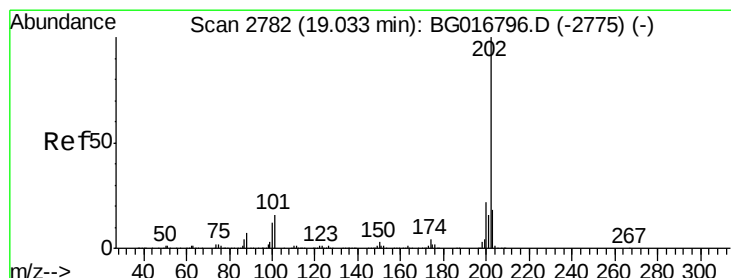
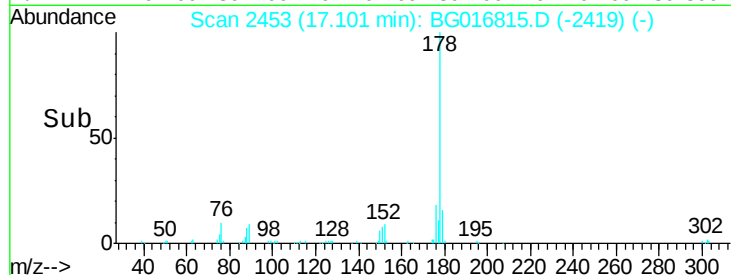
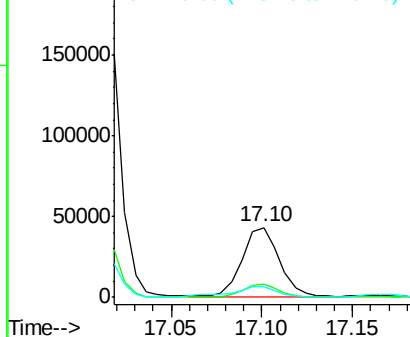
Tot Ion:	178	Resp:	61276
Ion Ratio	Lower	Upper	
178	100		
176	18.4	16.0	24.0
179	15.6	12.6	18.8

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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



#74

Fluoranthene

Concen: 53.17 ng

RT: 19.03 min Scan# 2782

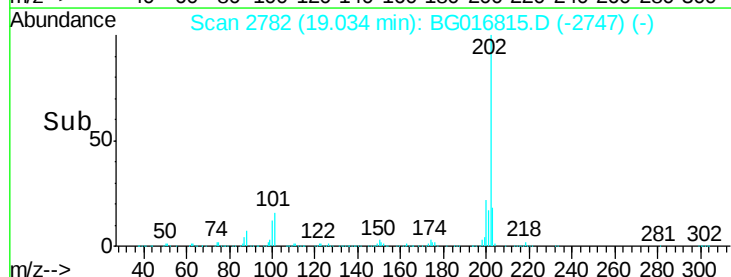
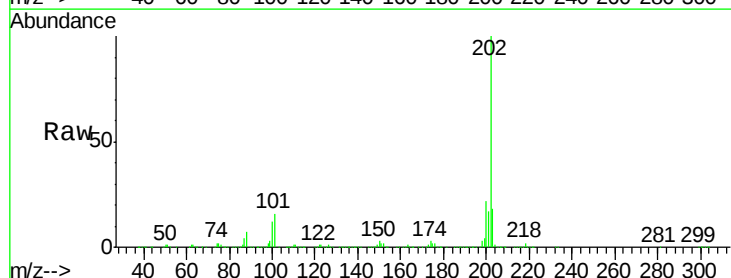
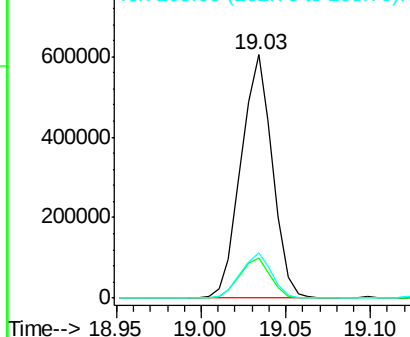
Delta R.T. 0.00 min

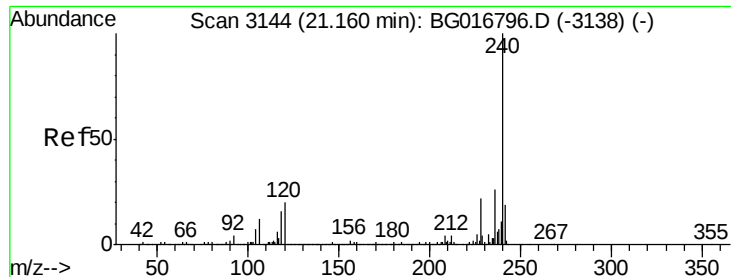
Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Tgt Ion:	202	Resp:	782561
Ion Ratio	Lower	Upper	
202	100		
101	16.4	0.0	36.2
203	18.3	0.0	37.6

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

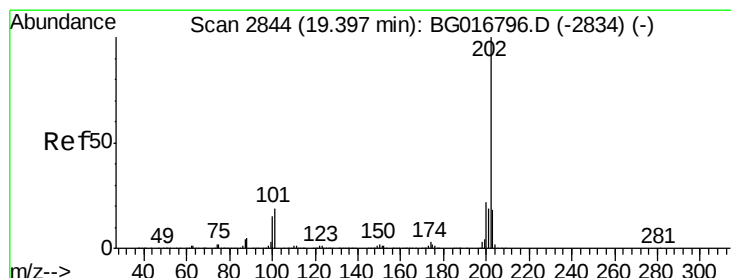
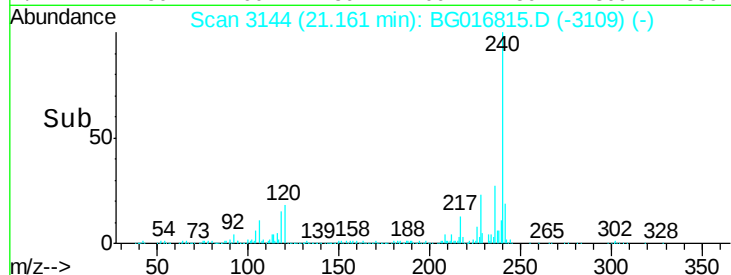
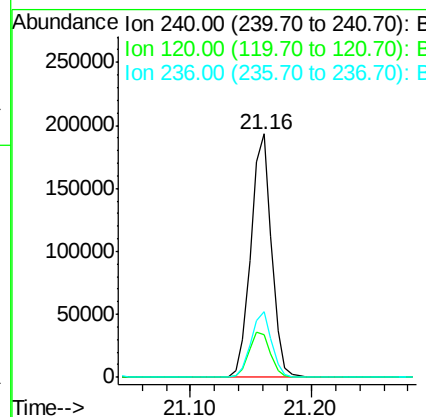
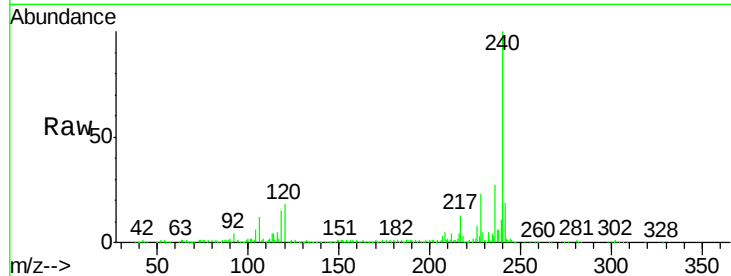
ClientSampleId :

PS-18-0-2DL

Tot Ion:	240	Resp:	231188
Ion Ratio	Lower	Upper	
240	100		
120	17.7	16.1	24.1
236	26.8	21.0	31.6

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#77

Pyrene

Concen: 53.81 ng

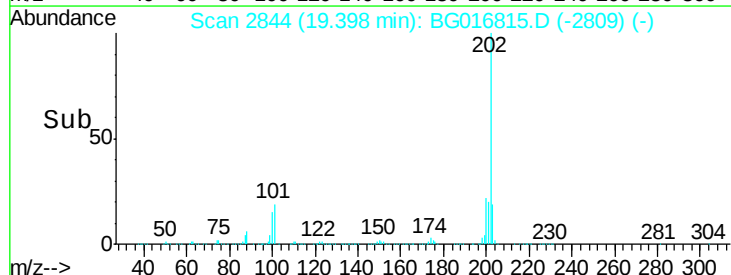
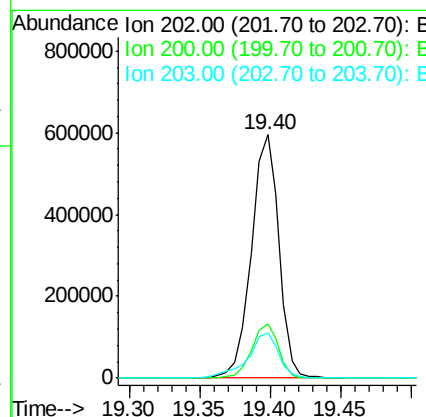
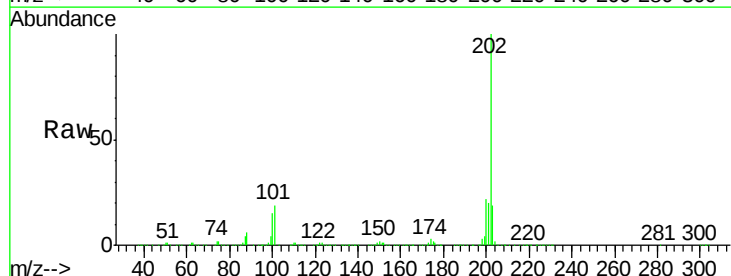
RT: 19.40 min Scan# 2844

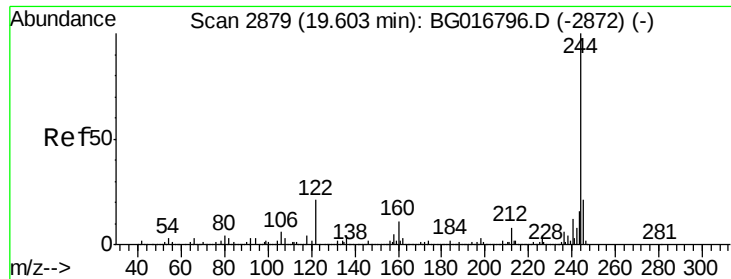
Delta R.T. 0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Tgt Ion:	202	Resp:	813370
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.3	25.9
203	18.6	14.6	22.0





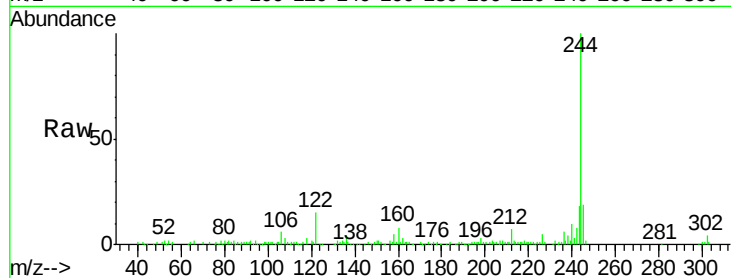
#78
 Terphenyl-d14
 Concen: 7.34 ng
 RT: 19.60 min Scan# 2879
 Delta R.T. -0.00 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

Instrument :
 BNA_G
 ClientSampleId :
 PS-18-0-2DL

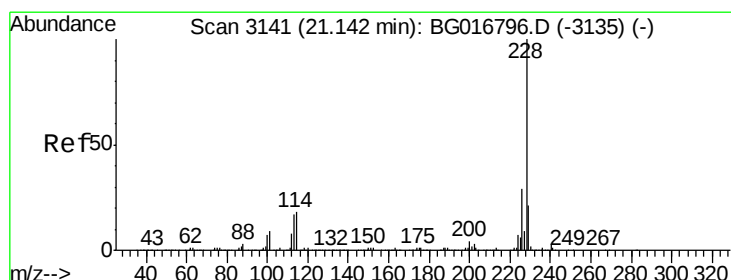
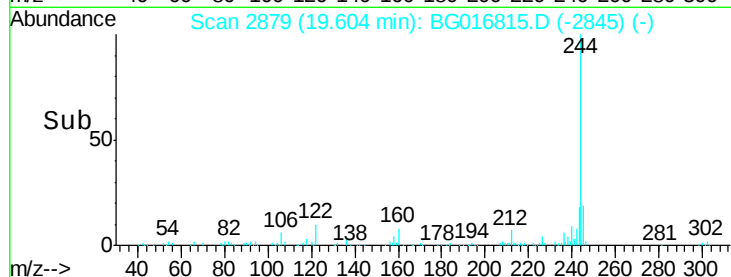
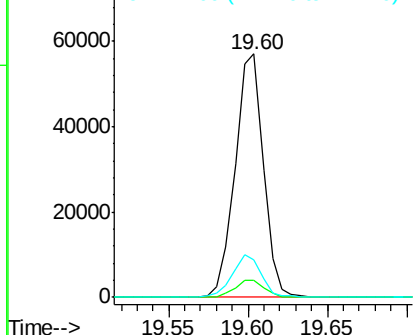
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.4	9.6
122	15.2	16.4	24.6

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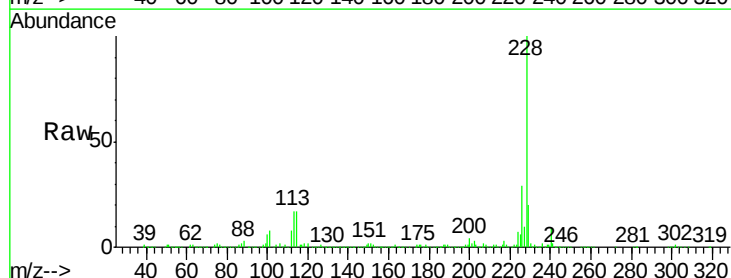


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

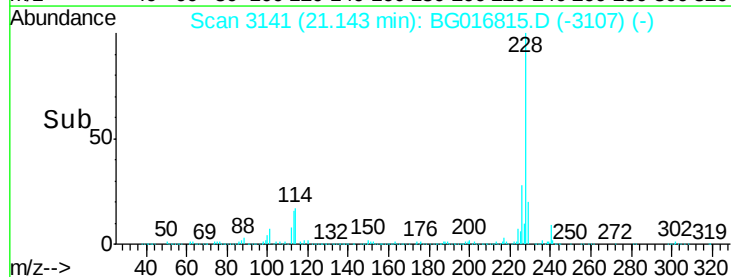
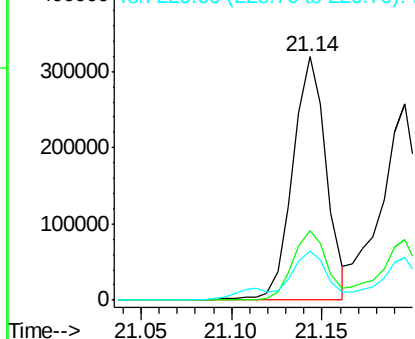


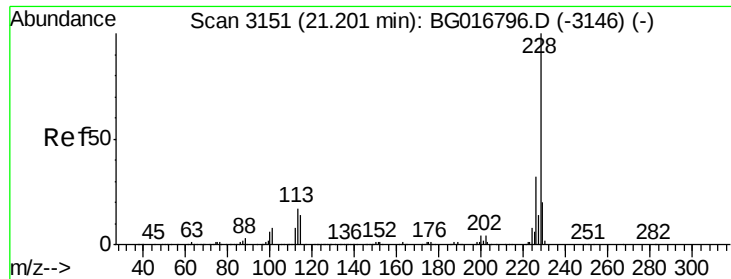
#80
 Benzo(a)anthracene
 Concen: 30.74 ng m
 RT: 21.14 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BG016815.D
 Acq: 30 Apr 2015 2:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.0
229	20.3	17.0	25.6



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: 29.16 ng/mL

RT: 21.20 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

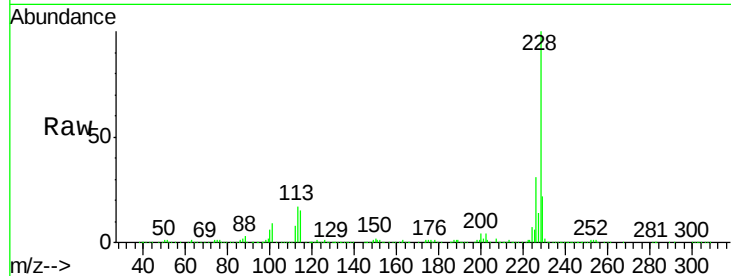
ClientSampleId :

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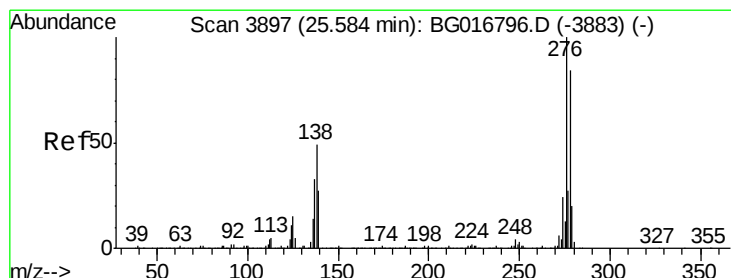
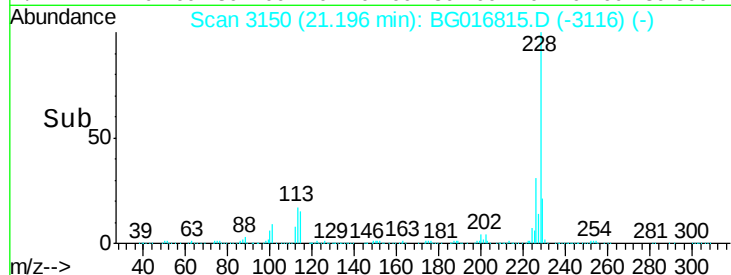
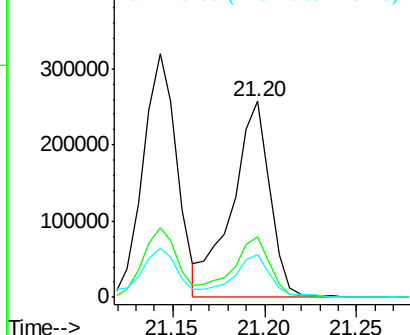
Tot Ion:	228	Resp:	368387
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.1	37.7
229	21.6	16.1	24.1

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 14.84 ng/mL

RT: 25.57 min Scan# 3895

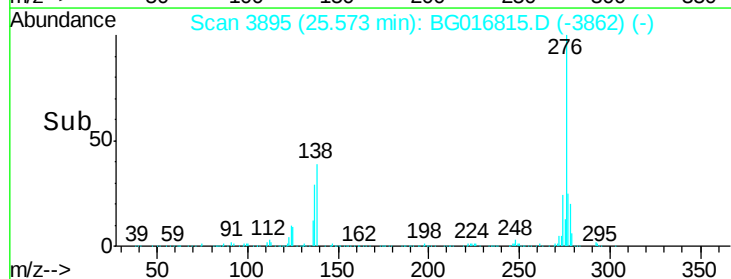
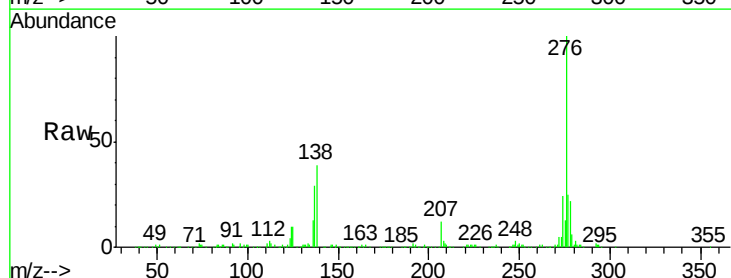
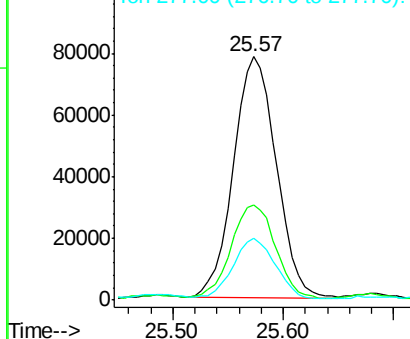
Delta R.T. -0.01 min

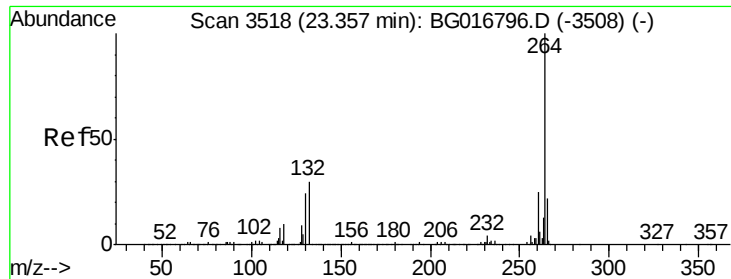
Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Tgt Ion:	276	Resp:	213370
Ion Ratio	Lower	Upper	
276	100		
138	40.0	37.0	55.6
277	24.7	21.4	32.0

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

Pervlene-d12

Concen: 20.00 ng

RT: 23.35 min Scan# 3517

Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

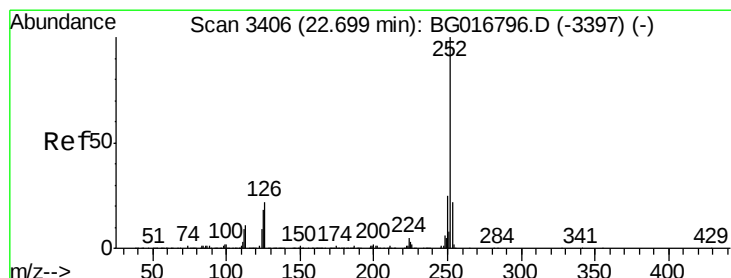
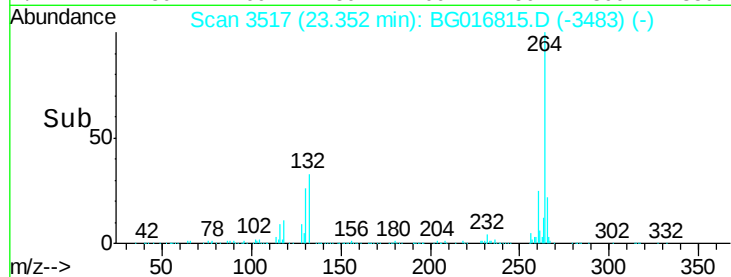
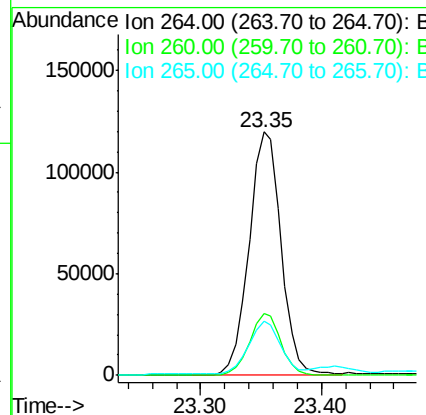
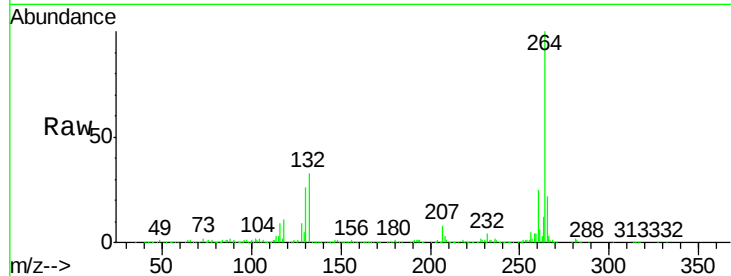
ClientSampleId :

PS-18-0-2DL

Tot Ion:	264	Resp:	222258
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.7	29.5
265	22.4	17.4	26.2

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#87

Benzo(b)fluoranthene

Concen: 35.34 ng m

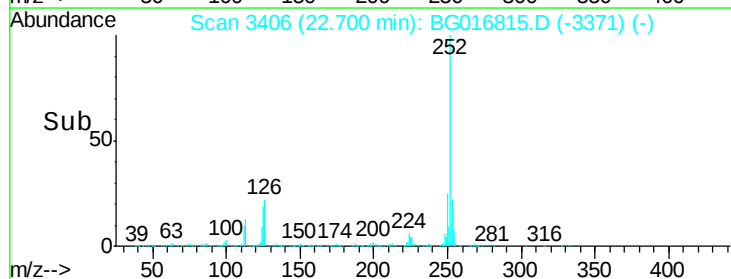
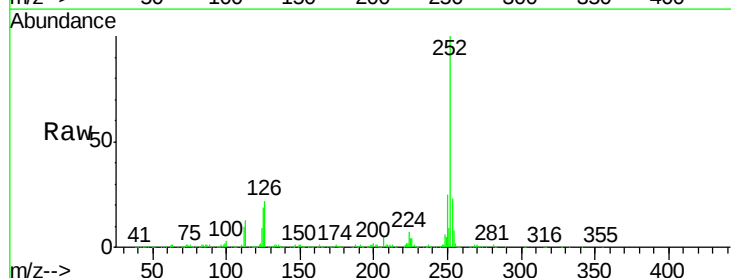
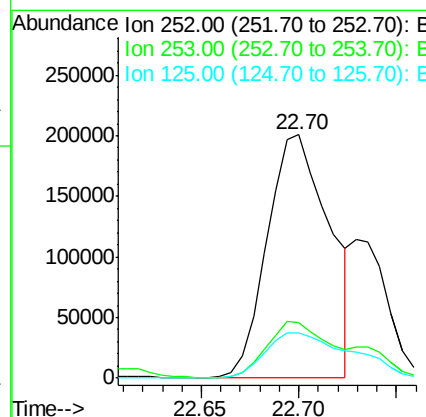
RT: 22.70 min Scan# 3406

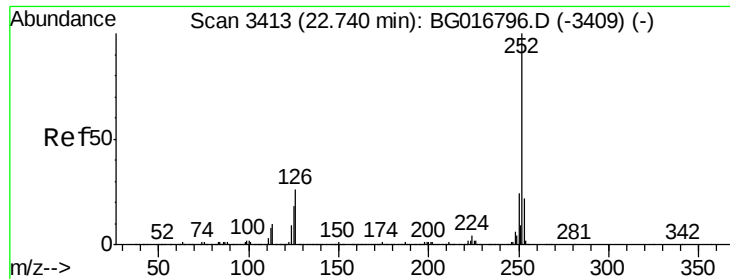
Delta R.T. 0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Tgt Ion:	252	Resp:	447194
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	18.5	14.2	21.2





#88

Benzo(k)fluoranthene

Concen: 11.68 ng m

RT: 22.73 min Scan# 3411

Delta R.T. -0.01 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Instrument :

BNA_G

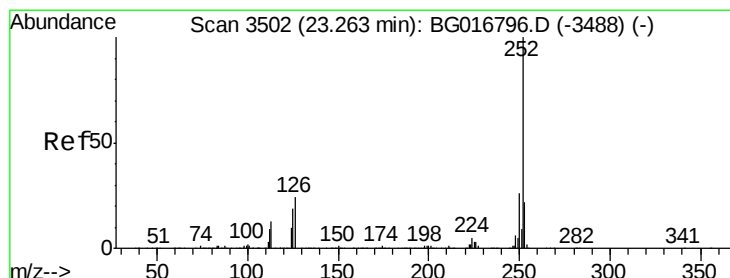
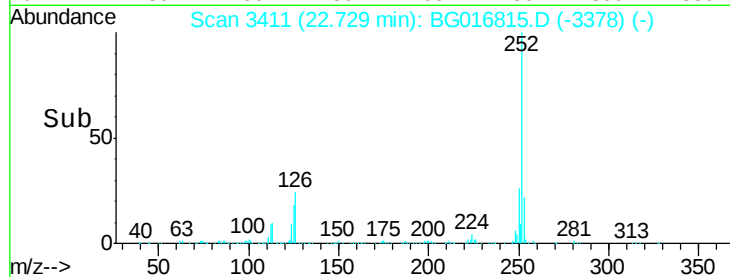
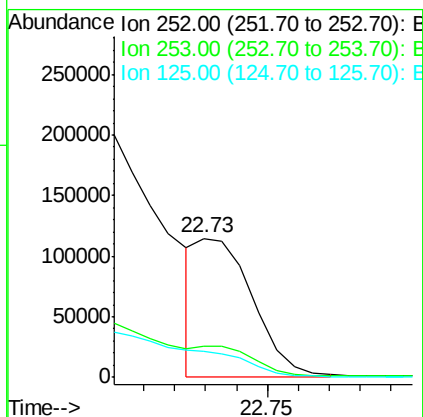
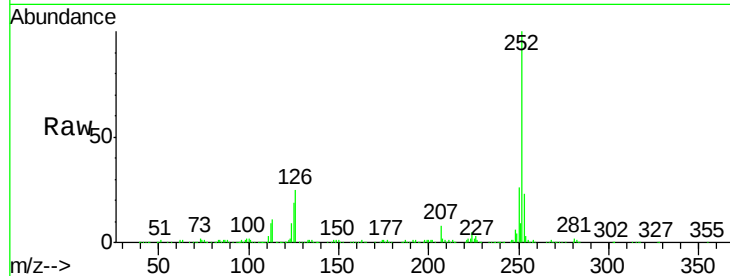
ClientSampleId :

PS-18-0-2DL

Tot Ion:	252	Resp:	144704
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.7	26.5
125	18.7	14.5	21.7

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#89

Benzo(a)pyrene

Concen: 28.32 ng

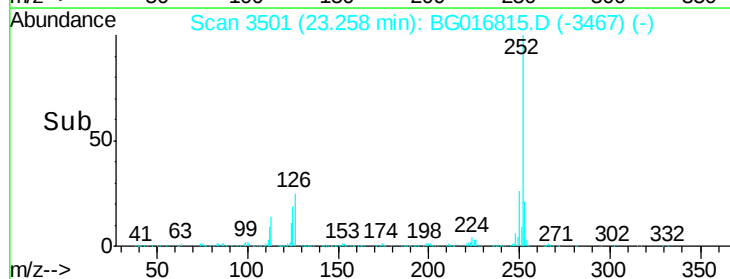
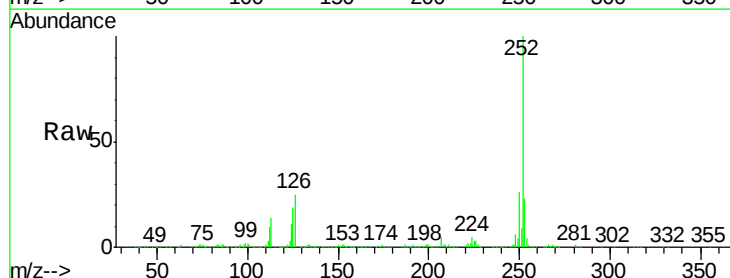
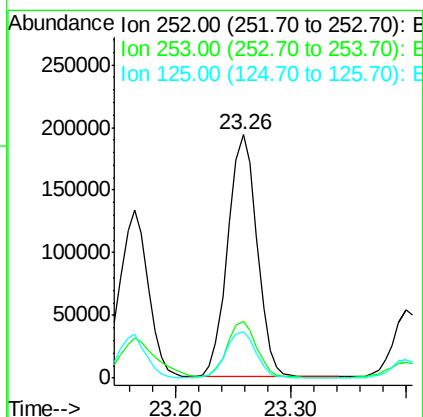
RT: 23.26 min Scan# 3501

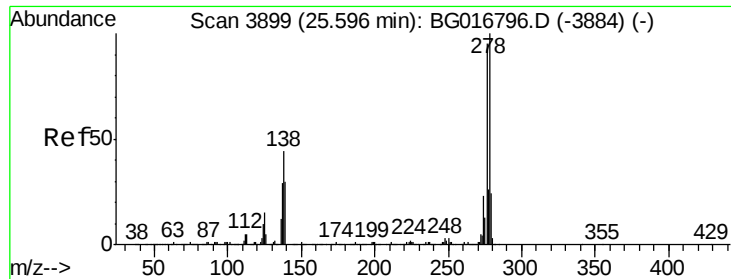
Delta R.T. -0.00 min

Lab File: BG016815.D

Acq: 30 Apr 2015 2:37

Tgt Ion:	252	Resp:	339345
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.9	26.9
125	19.2	15.0	22.4





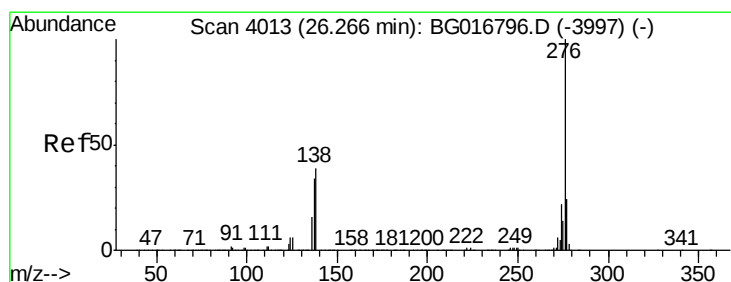
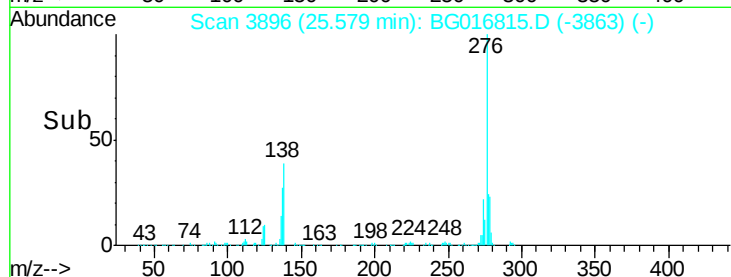
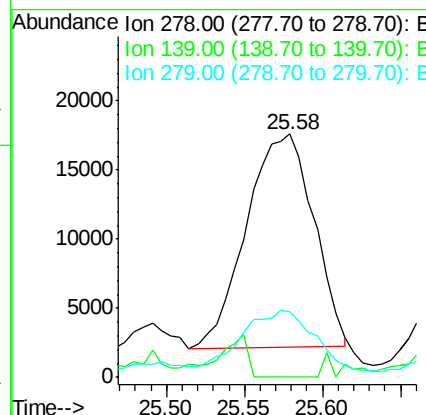
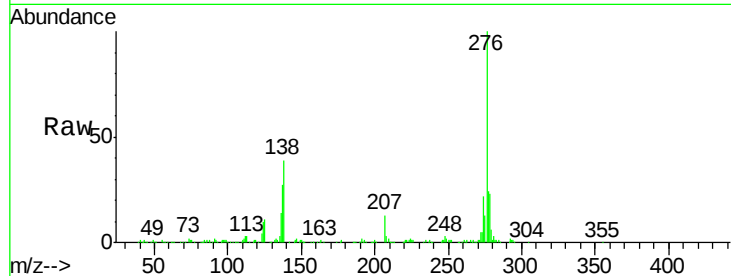
#90
Dibenzo(a,h)anthracene
Concen: 3.81 ng/mL
RT: 25.58 min Scan# 3896
Delta R.T. -0.01 min
Lab File: BG016815.D
Acq: 30 Apr 2015 2:37

Instrument :
BNA_G
ClientSampleId :
PS-18-0-2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	23.9	35.9
279	27.1	19.4	29.0

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#91
Benzo(g,h,i)perylene
Concen: 16.90 ng/mL
RT: 26.26 min Scan# 4012
Delta R.T. -0.00 min
Lab File: BG016815.D
Acq: 30 Apr 2015 2:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.6	29.4
138	39.1	31.0	46.4

