

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
 Data File : BG016828.D
 Acq On : 30 Apr 2015 11:34
 Operator : TP/IZ
 Sample : G2022-06DL2 100X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-02-COMPDL2

Manual Integrations
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Quant Time: Apr 30 15:52:28 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 02:01:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	62049	20.00	ng	-0.01
21) Naphthalene-d8	10.34	136	270247	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	146590	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	267923	20.00	ng	0.00
75) Chrysene-d12	21.16	240	227241	20.00	ng	0.00
86) Perylene-d12	23.36	264	222582	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	3569	1.06	ng	0.00
7) Phenol-d6	6.76	99	3846	0.81	ng	0.00
23) Nitrobenzene-d5	8.73	82	1934	0.47	ng	0.00
41) 2,4,6-Tribromophenol	15.73	330	631	0.58	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	6356	0.67	ng	0.00
78) Terphenyl-d14	19.60	244	6658	0.71	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.39	128	28535	2.12	ng	97
51) Acenaphthene	14.28	154	27793	3.16	ng	98
54) Dibenzofuran	14.62	168	45549	3.64	ng	95
57) Fluorene	15.27	166	57435	5.22	ng	99
70) Phenanthrene	17.01	178	614992	42.44	ng	99
71) Anthracene	17.10	178	139541	9.63	ng	99
72) Carbazole	17.38	167	34761	2.45	ng	98
74) Fluoranthene	19.04	202	674735	43.31	ng	98
77) Pyrene	19.40	202	533673	35.92	ng	99
80) Benzo(a)anthracene	21.15	228	257963	19.65	ng	99
82) Chrysene	21.19	228	221852	17.87	ng	97
85) Indeno(1,2,3-cd)pyrene	25.58	276	94345	6.68	ng	89
87) Benzo(b)fluoranthene	22.70	252	267455m	21.10	ng	
88) Benzo(k)fluoranthene	22.74	252	97100m	7.83	ng	
89) Benzo(a)pyrene	23.26	252	189299	15.77	ng	98
90) Dibenzo(a,h)anthracene	25.59	278	25828	2.13	ng	# 65
91) Benzo(a,h,i)perylene	26.27	276	78464	6.45	ng	98

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

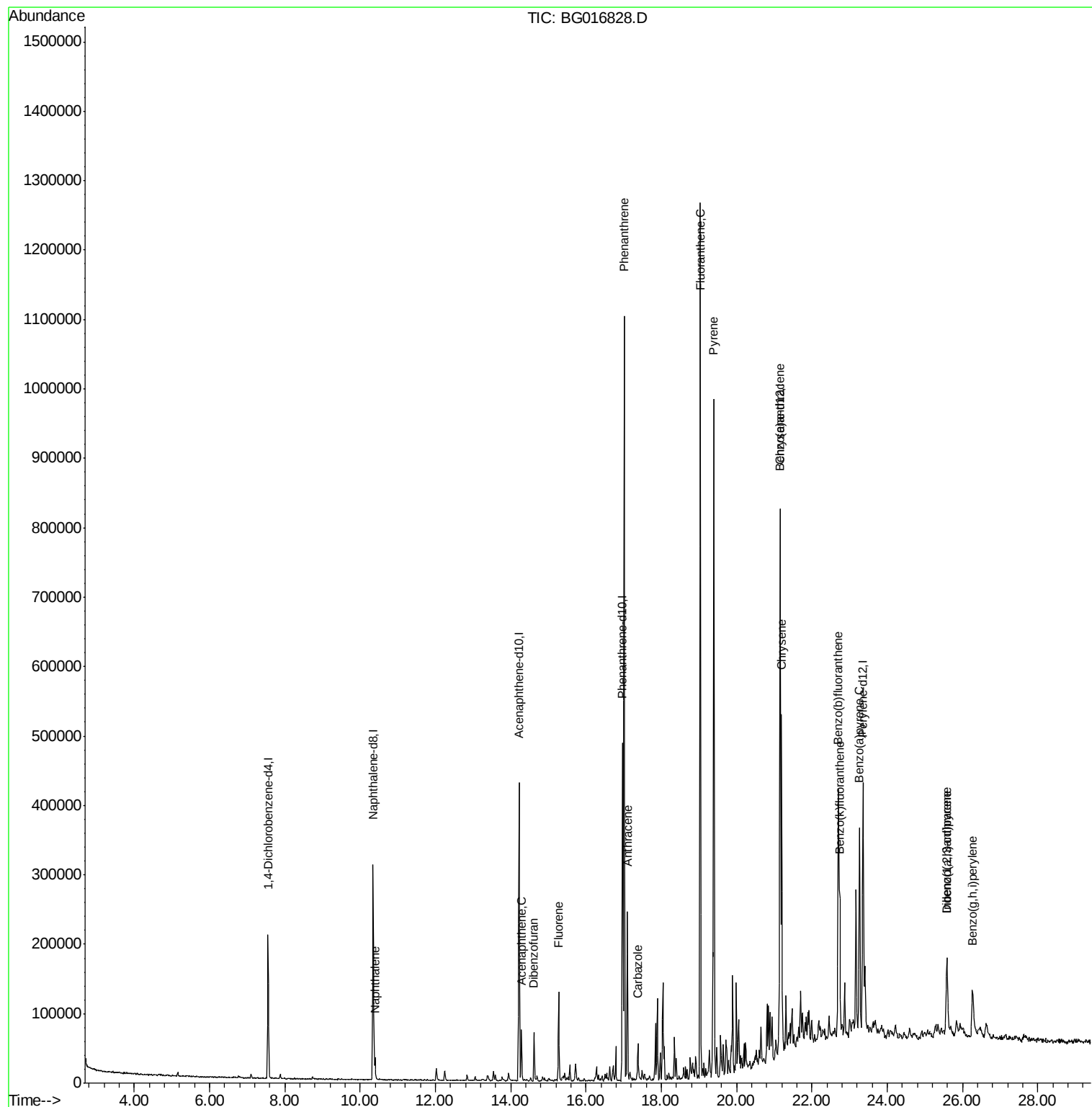
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
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ALS Vial : 34 Sample Multiplier: 1

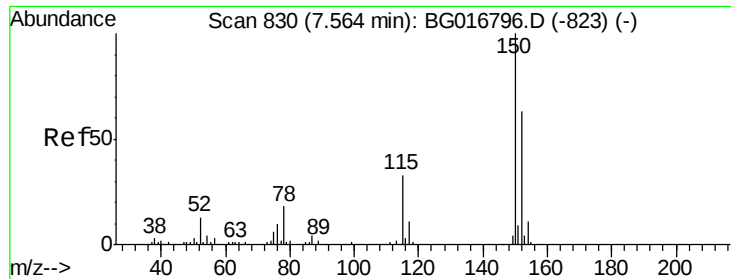
Instrument :
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#1

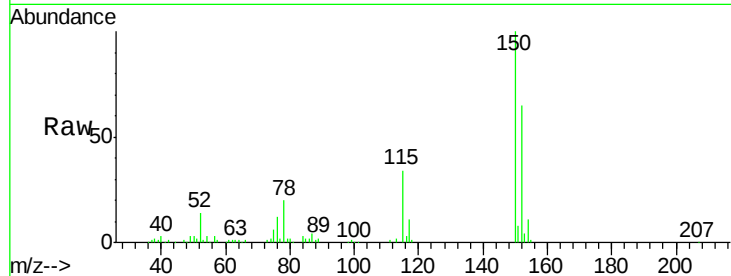
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.55 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL2

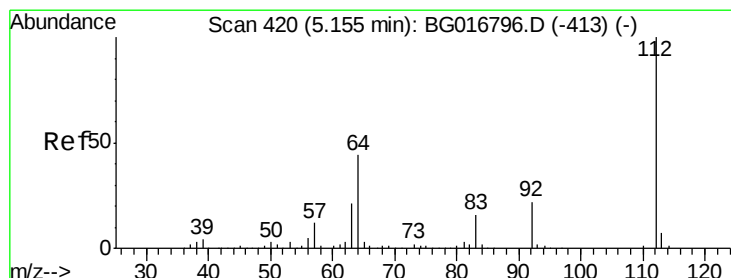
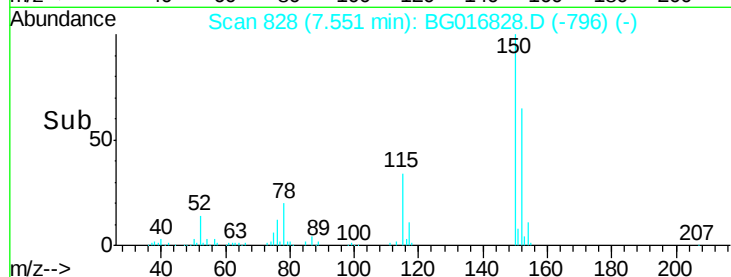
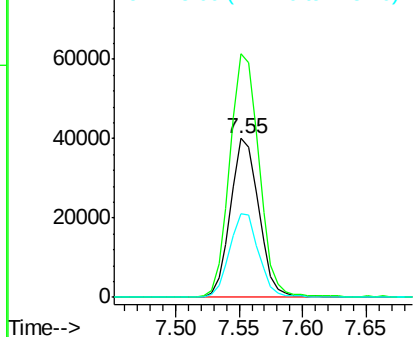
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	126.2	189.4
115	52.7	41.1	61.7

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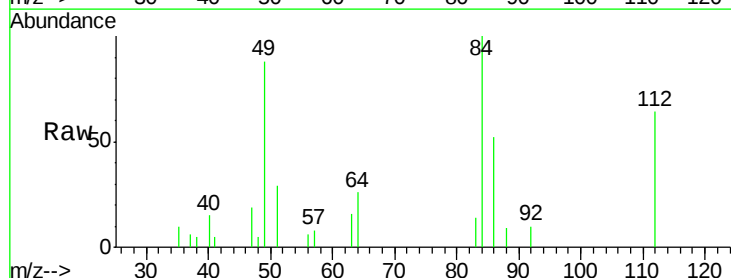
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



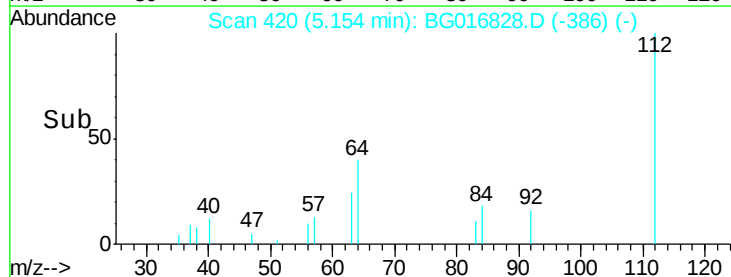
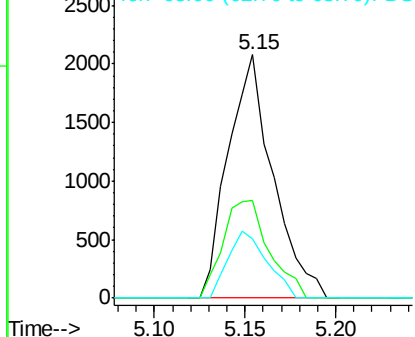
#5

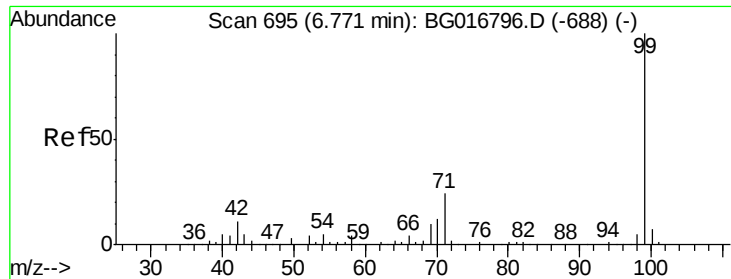
2-Fluorophenol
Concen: 1.06 ng
RT: 5.15 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.4	35.5	53.3
63	24.2	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





#7

Phenol-d6

Concen: 0.81 ng

RT: 6.76 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG016828.D

Acq: 30 Apr 2015 11:34

Instrument :

BNA_G

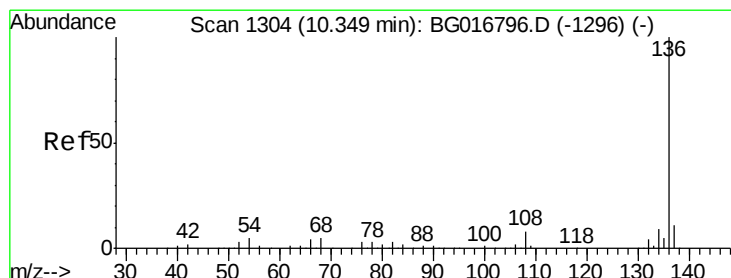
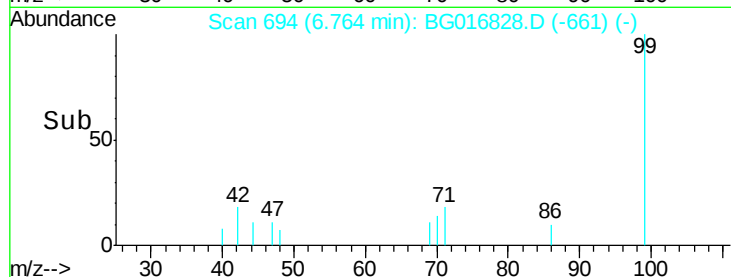
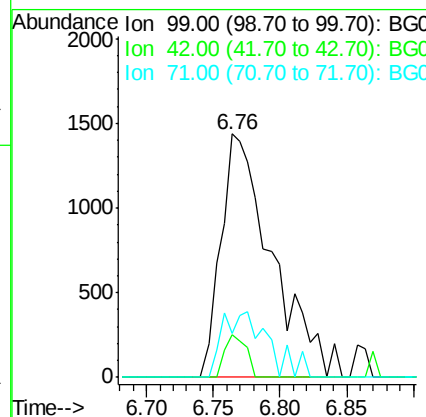
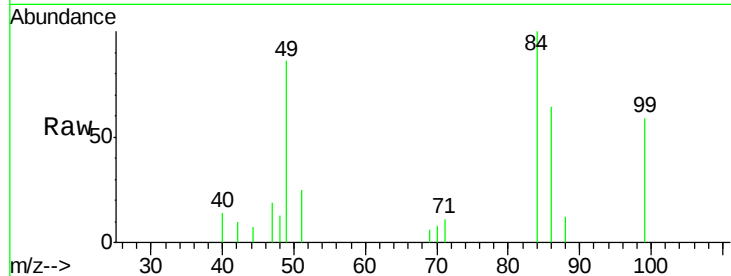
ClientSampleId :

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Tot Ion:	99	Resp:	3846
Ion Ratio	Lower	Upper	
99	100		
42	17.7	8.9	13.3#
71	18.3	19.0	28.6#

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#21

Naphthalene-d8

Concen: 20.00 ng

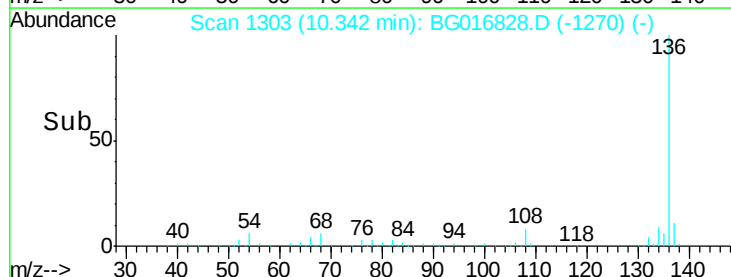
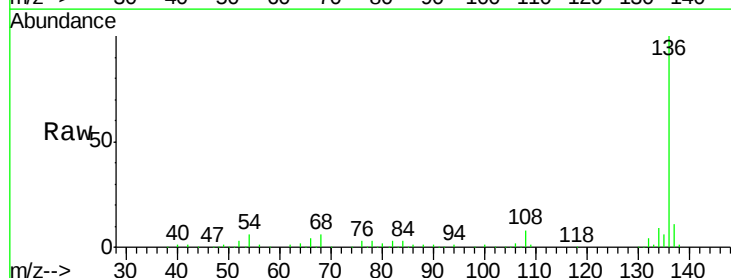
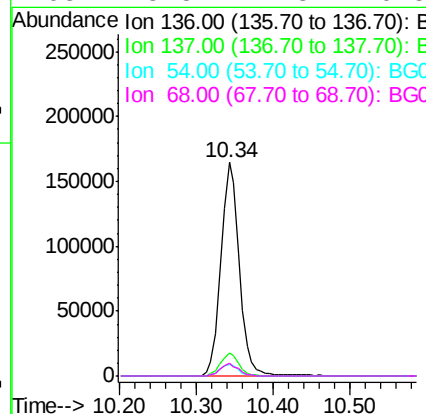
RT: 10.34 min Scan# 1303

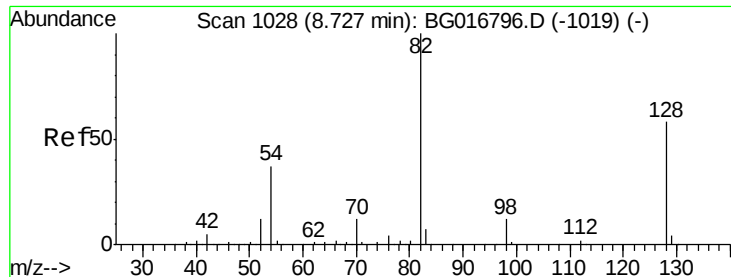
Delta R.T. -0.01 min

Lab File: BG016828.D

Acq: 30 Apr 2015 11:34

Tgt Ion:	136	Resp:	270247
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	12.8
54	5.6	4.3	6.5
68	5.8	4.3	6.5





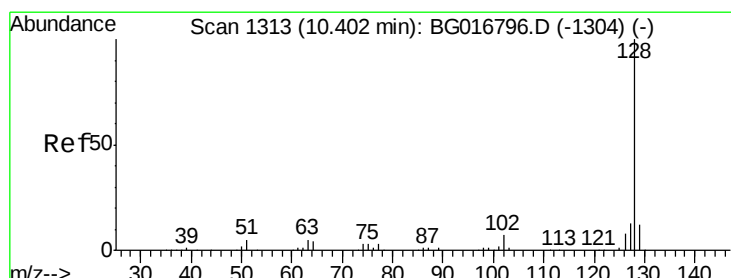
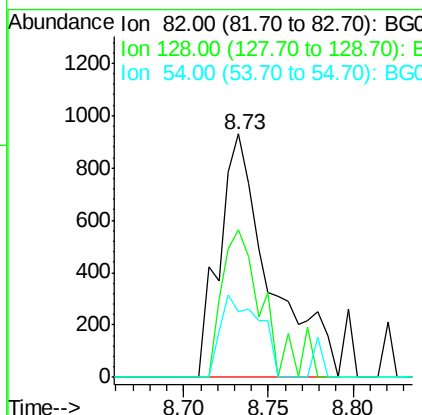
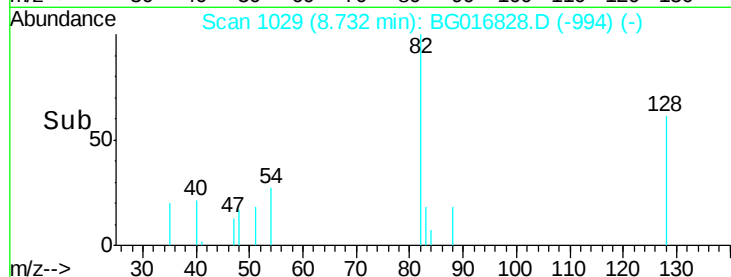
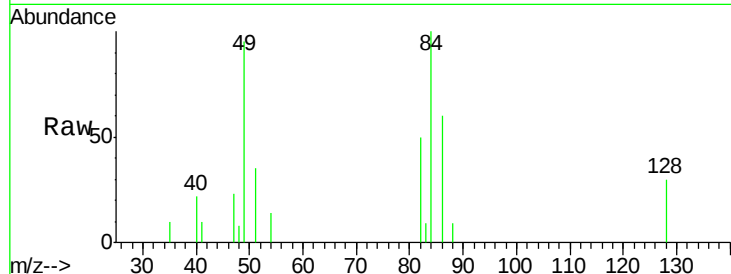
#23
Nitrobenzene-d5
Concen: 0.47 ng
RT: 8.73 min Scan# 1029
Delta R.T. 0.01 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL2

Tot Ion	Ratio	Lower	Upper
82	100		
128	60.8	46.3	69.5
54	27.0	30.0	45.0

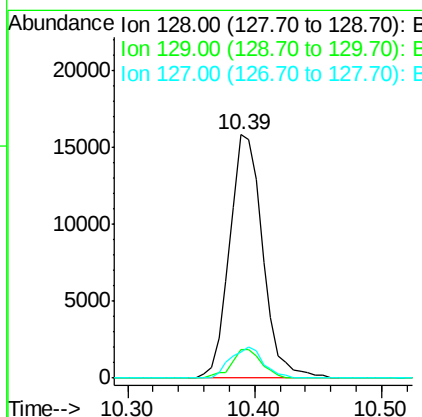
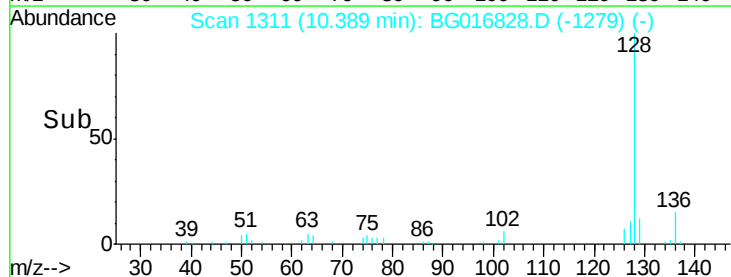
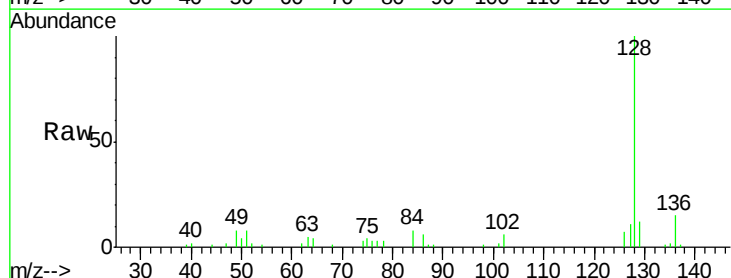
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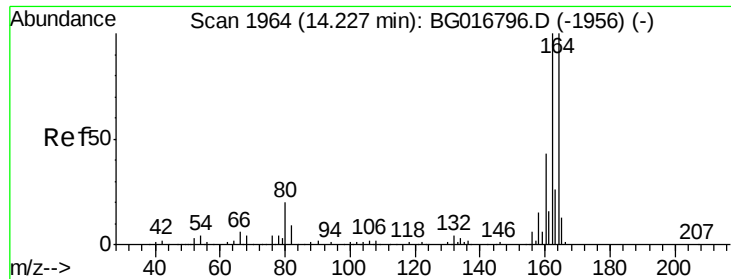
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#31
Naphthalene
Concen: 2.12 ng
RT: 10.39 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.4	14.0
127	10.7	10.5	15.7





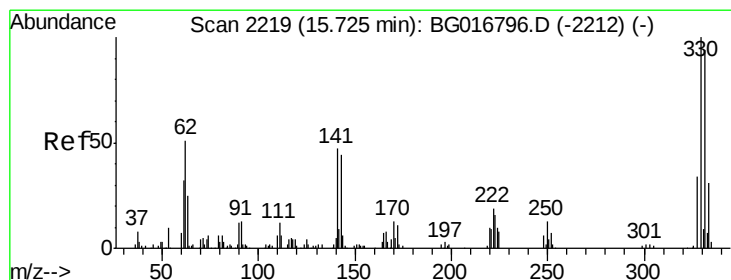
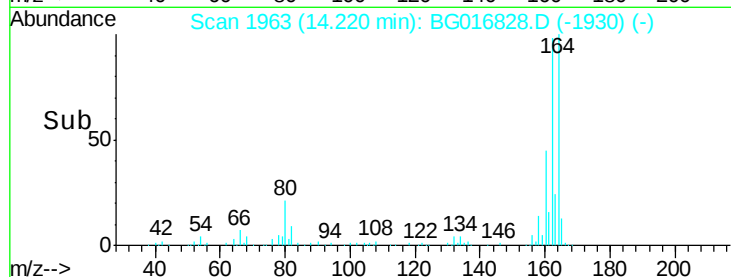
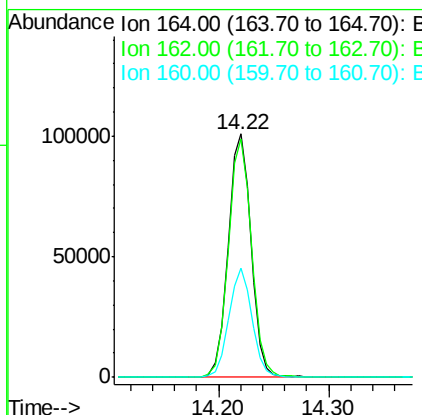
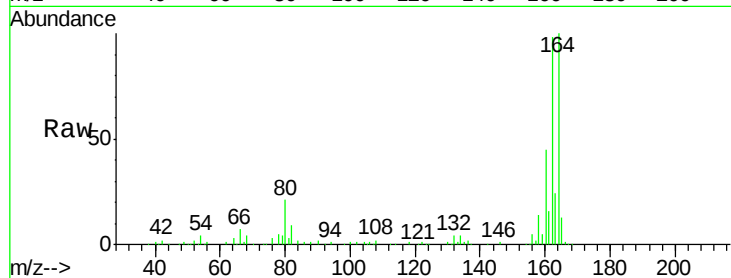
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.22 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL2

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.9	80.2	120.4
160	44.9	34.8	52.2

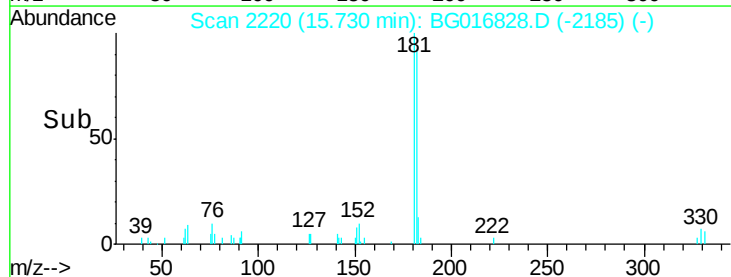
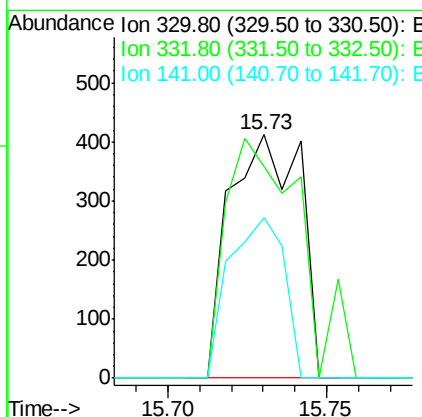
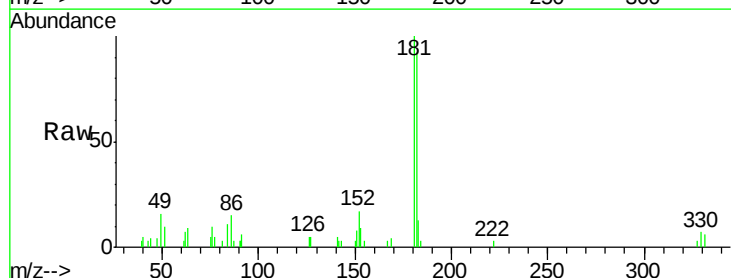
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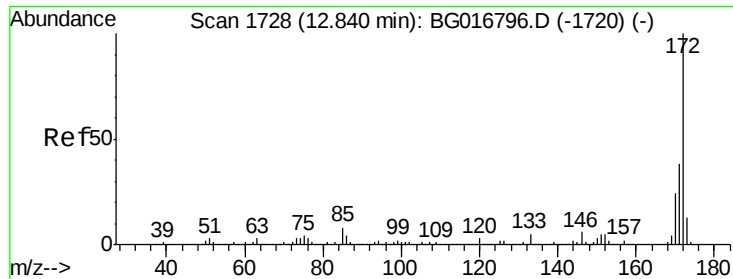
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#41
2,4,6-Tribromophenol
Concen: 0.58 ng
RT: 15.73 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	105.4	75.3	112.9
141	51.7	40.7	61.1





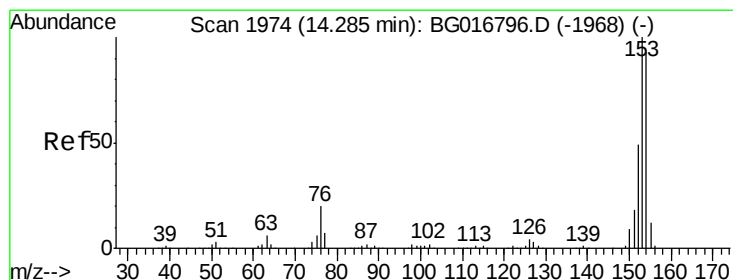
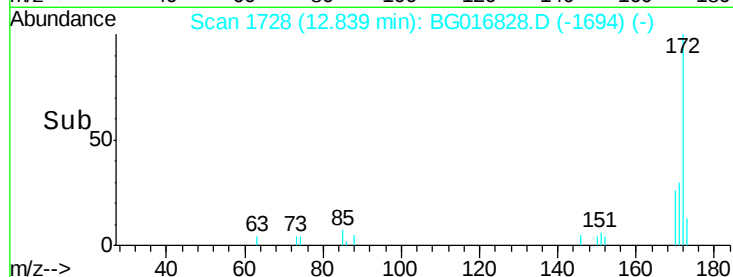
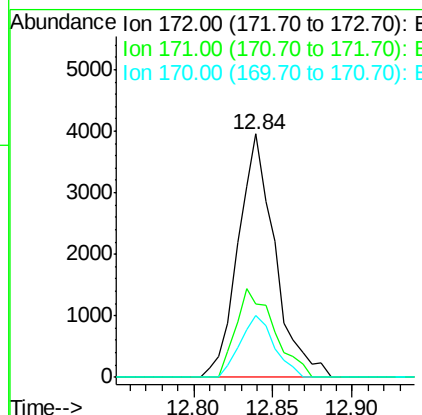
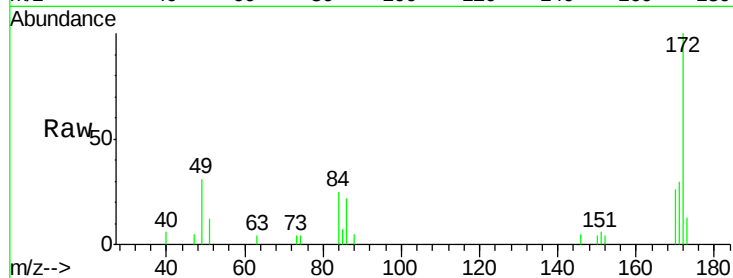
#44
2-Fluorobiphenyl
Concen: 0.67 ng
RT: 12.84 min Scan# 1728
Delta R.T. -0.00 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL2

Tot Ion	Ratio	Lower	Upper
172	100		
171	30.1	30.2	45.4#
170	25.5	19.4	29.0

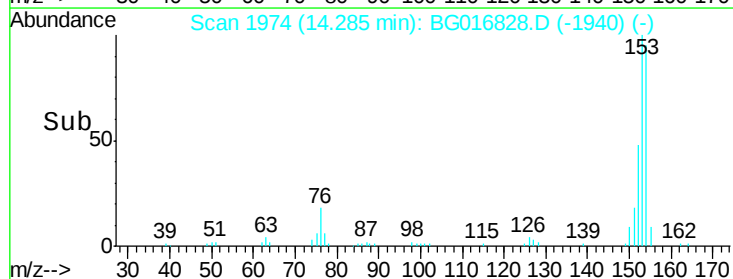
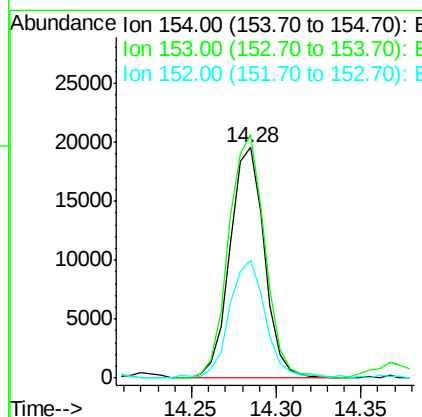
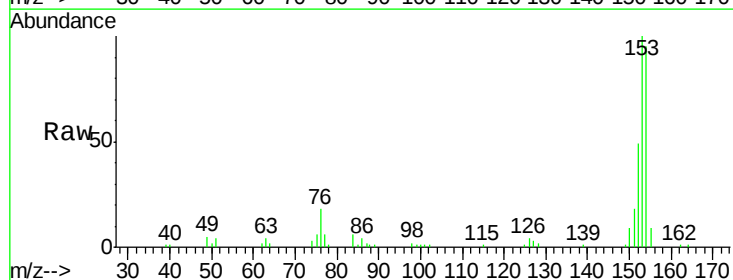
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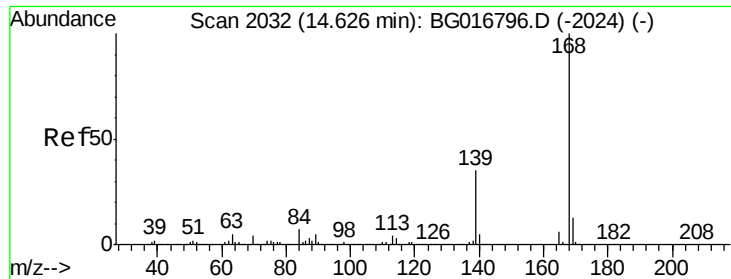
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#51
Acenaphthene
Concen: 3.16 ng
RT: 14.28 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	105.8	86.4	129.6
152	51.3	41.9	62.9





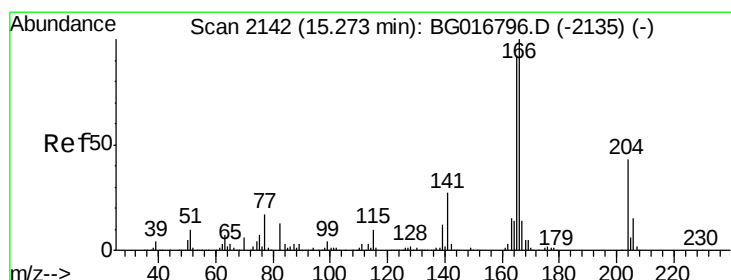
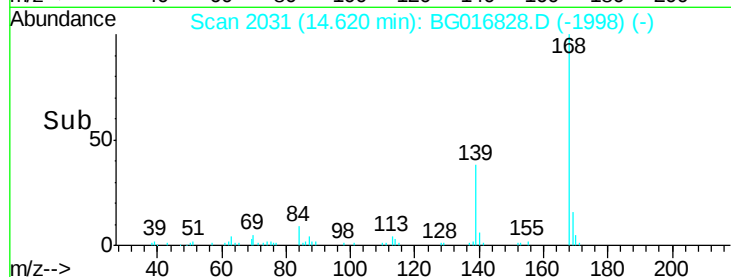
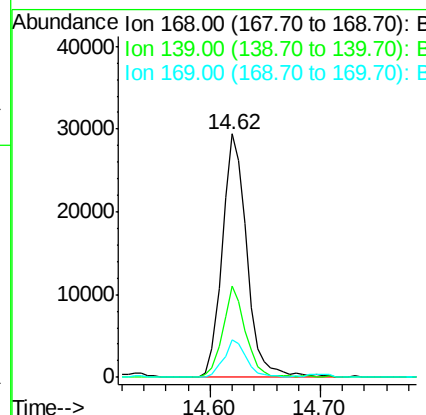
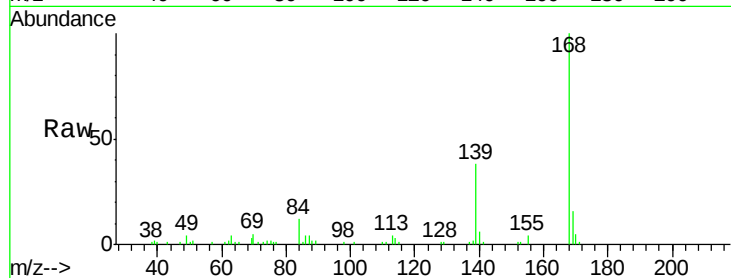
#54
Dibenzofuran
Concen: 3.64 ng
RT: 14.62 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Instrument :
BNA_G
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SB-02-COMPDL2

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.6	28.1	42.1
169	15.7	10.7	16.1

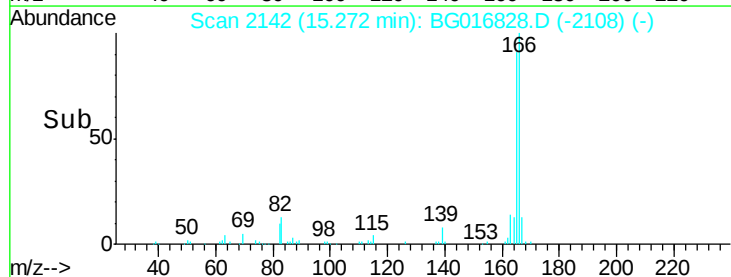
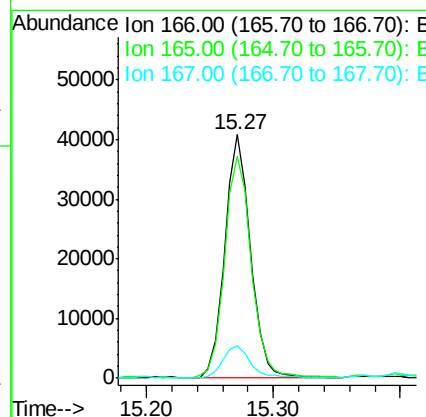
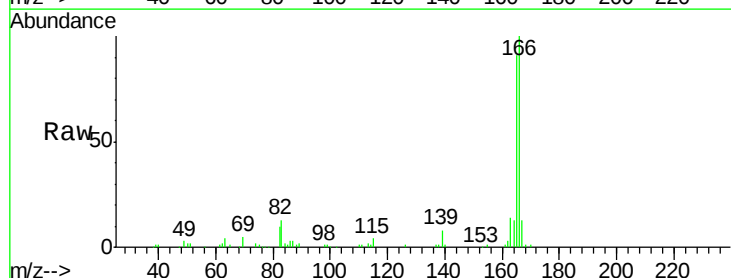
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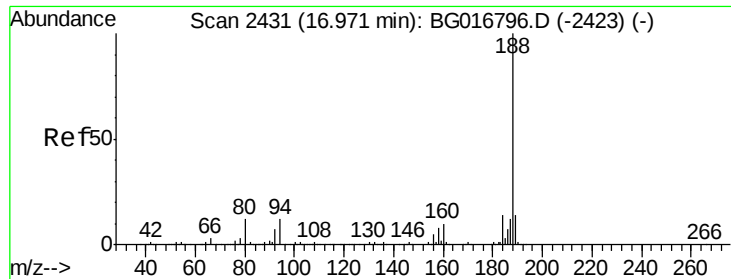
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#57
Fluorene
Concen: 5.22 ng
RT: 15.27 min Scan# 2142
Delta R.T. -0.00 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.9	73.5	110.3
167	13.1	10.8	16.2





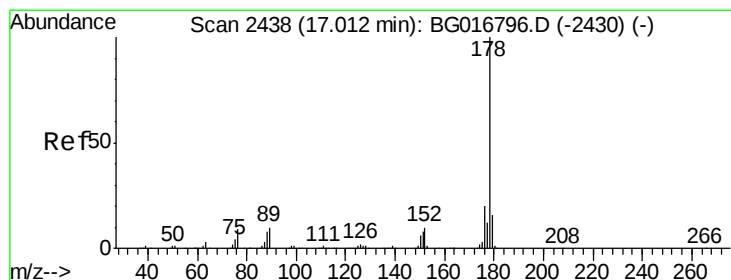
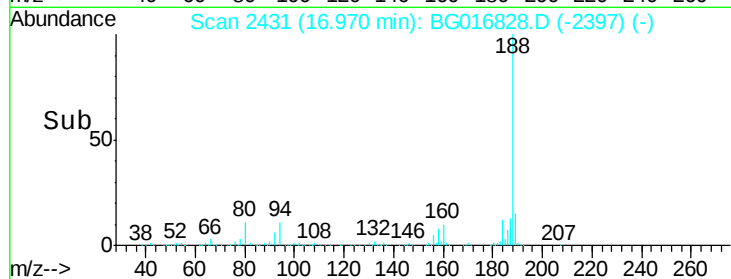
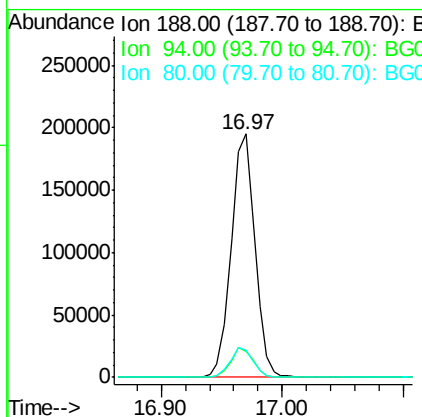
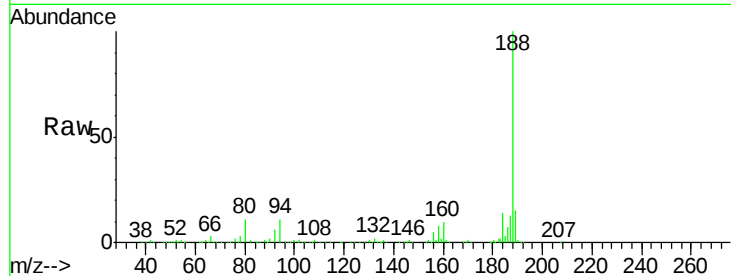
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.97 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	267923		
94	10.7		9.5	14.3
80	11.3		9.2	13.8

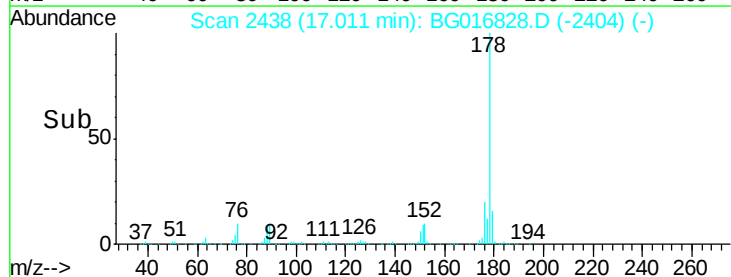
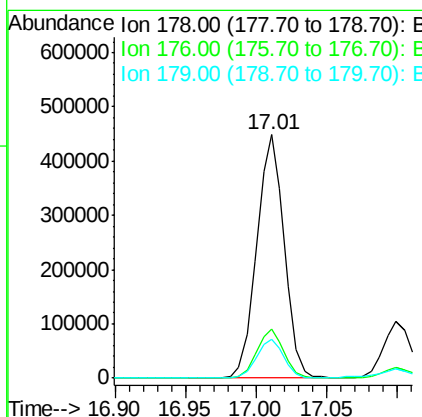
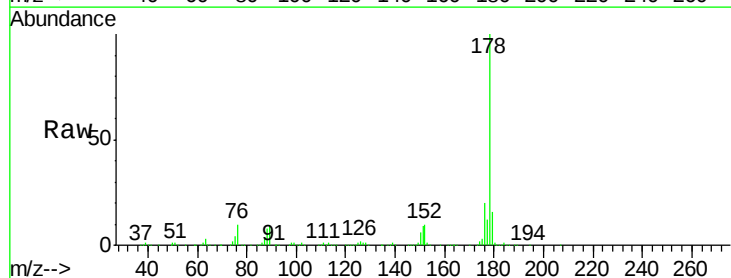
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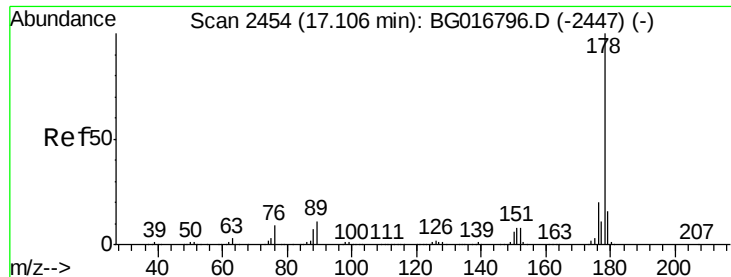
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#70
Phenanthrene
Concen: 42.44 ng
RT: 17.01 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	614992		
176	20.2		15.9	23.9
179	16.1		12.7	19.1





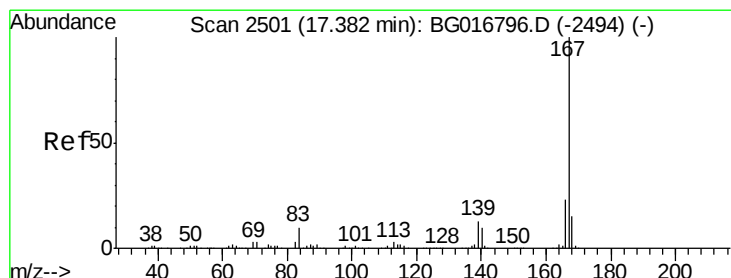
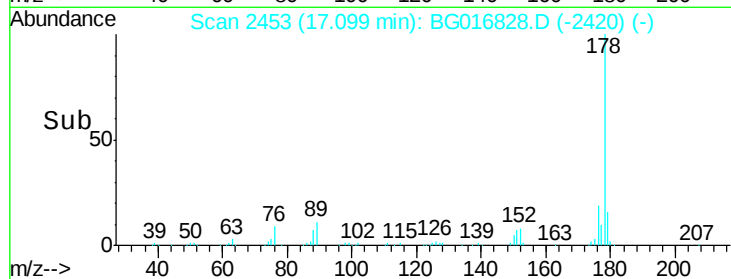
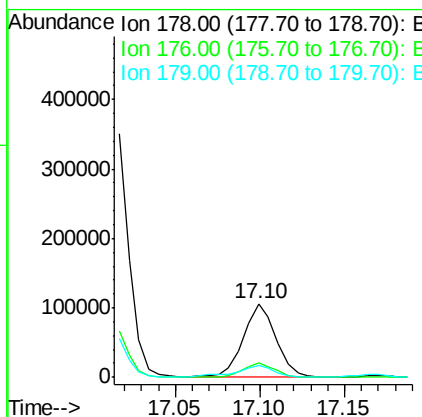
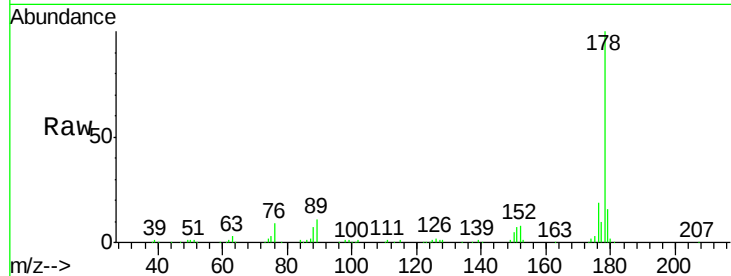
#71
 Anthracene
 Concen: 9.63 ng
 RT: 17.10 min Scan# 2453
 Delta R.T. -0.01 min
 Lab File: BG016828.D
 Acq: 30 Apr 2015 11:34

Instrument :
 BNA_G
 ClientSampleId :
 SB-02-COMPDL2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.0	24.0
179	15.9	12.6	18.8

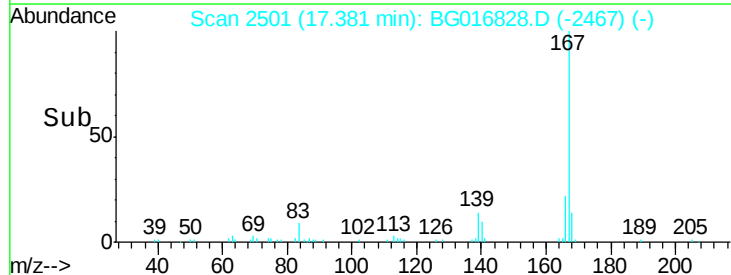
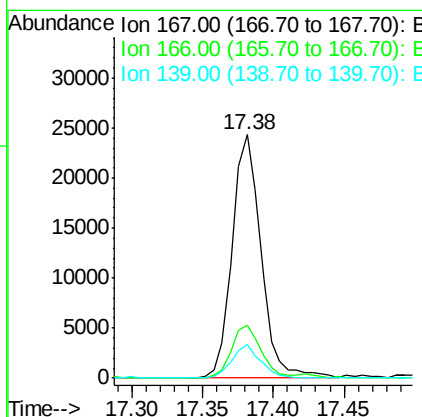
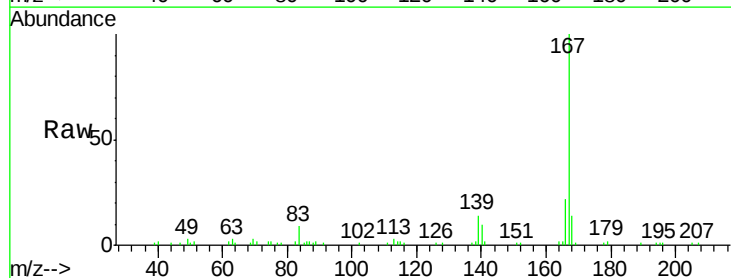
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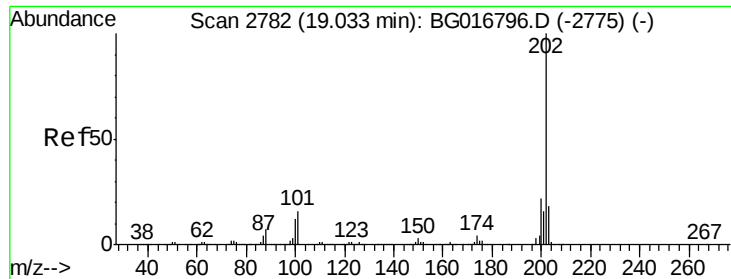
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#72
 Carbazole
 Concen: 2.45 ng
 RT: 17.38 min Scan# 2501
 Delta R.T. -0.00 min
 Lab File: BG016828.D
 Acq: 30 Apr 2015 11:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.2	27.4
139	13.9	10.6	15.8





#74

Fluoranthene

Concen: 43.31 ng

RT: 19.04 min Scan# 2783

Delta R.T. 0.01 min

Lab File: BG016828.D

Acq: 30 Apr 2015 11:34

Instrument :

BNA_G

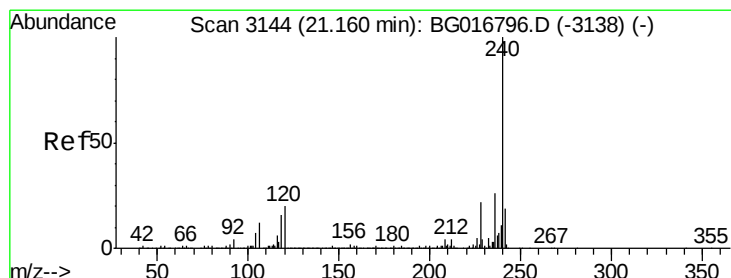
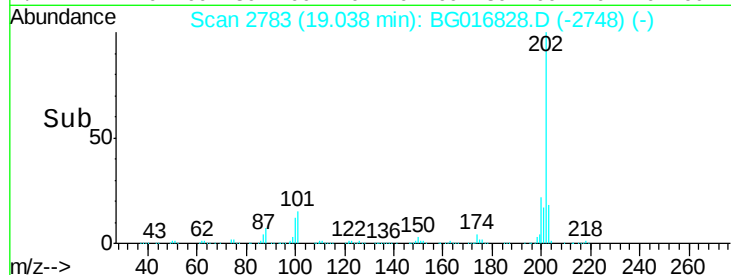
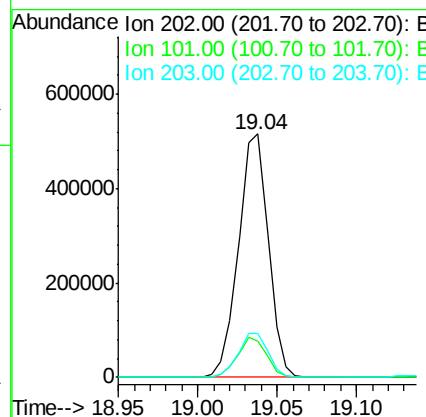
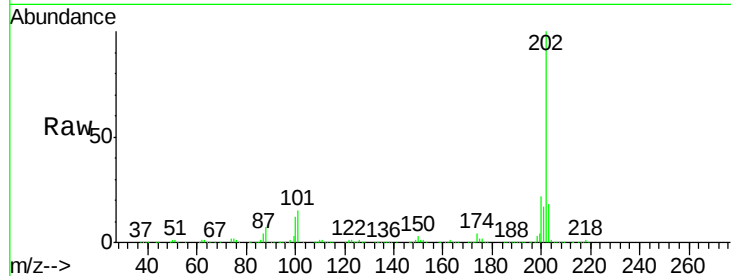
ClientSampleId :

SB-02-COMPDL2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	674735		
101	15.1	0.0	36.2	
203	18.3	0.0	37.6	

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#75

Chrysene-d12

Concen: 20.00 ng

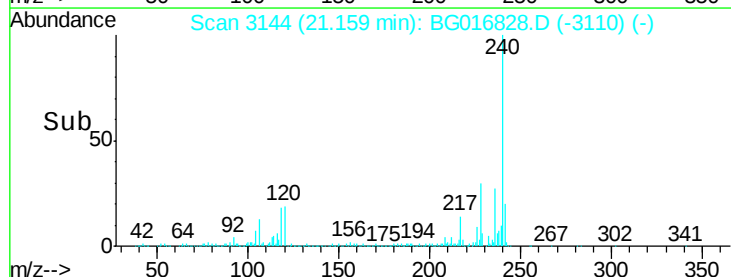
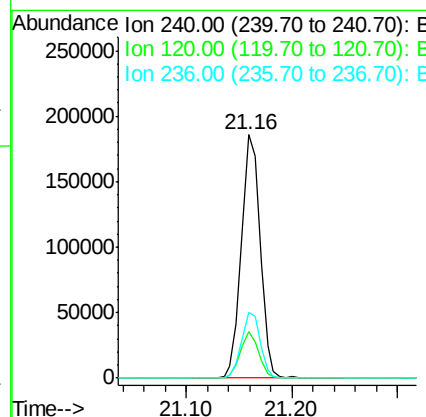
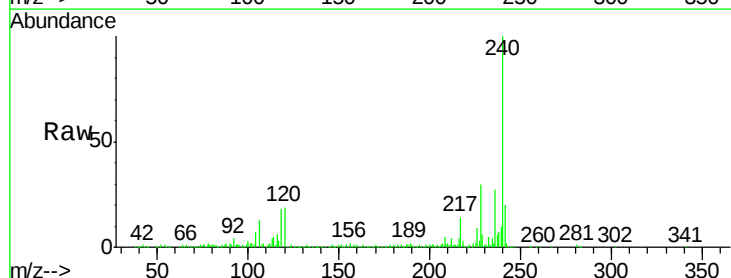
RT: 21.16 min Scan# 3144

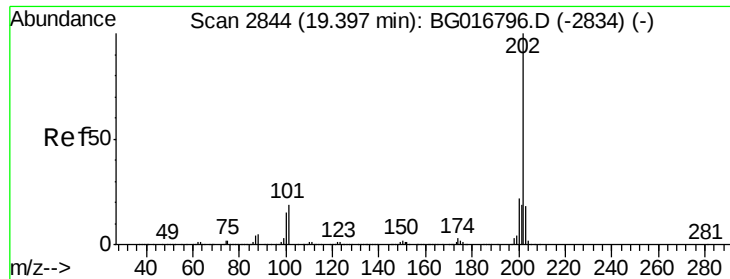
Delta R.T. -0.00 min

Lab File: BG016828.D

Acq: 30 Apr 2015 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	227241		
120	19.3	16.1	24.1	
236	26.8	21.0	31.6	





#77

Pvrene

Concen: 35.92 ng

RT: 19.40 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG016828.D

Acq: 30 Apr 2015 11:34

Instrument :

BNA_G

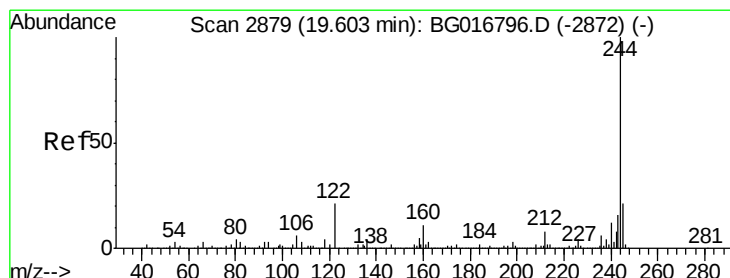
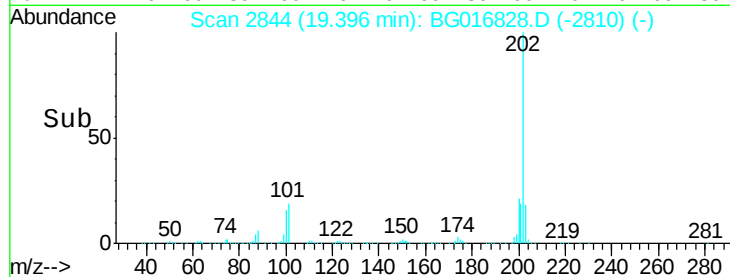
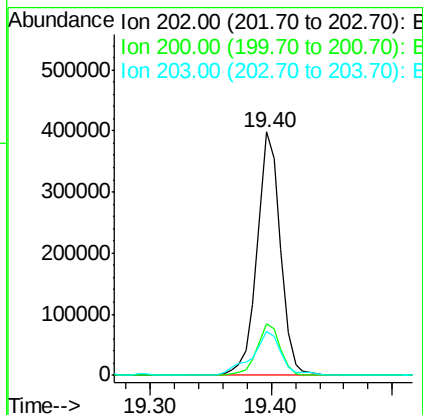
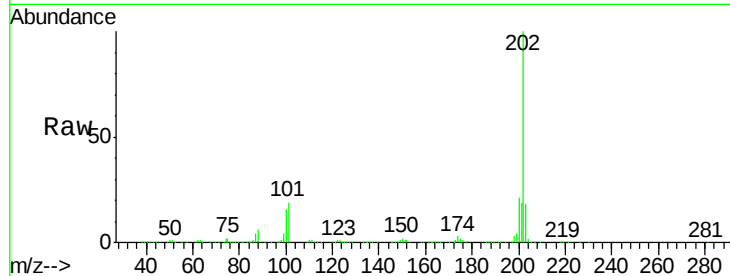
ClientSampleId :

SB-02-COMPDL2

Tot Ion:	202	Resp:	533673
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.3	25.9
203	18.2	14.6	22.0

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#78

Terphenyl-d14

Concen: 0.71 ng

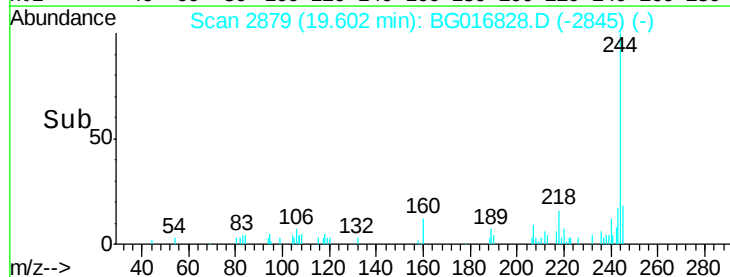
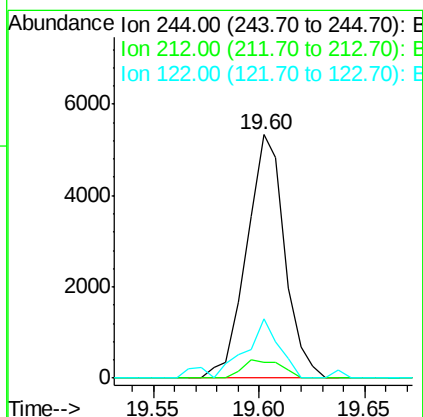
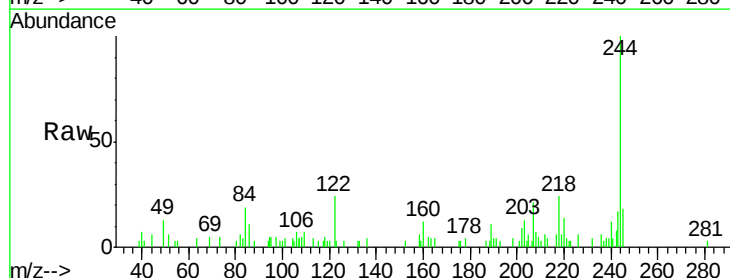
RT: 19.60 min Scan# 2879

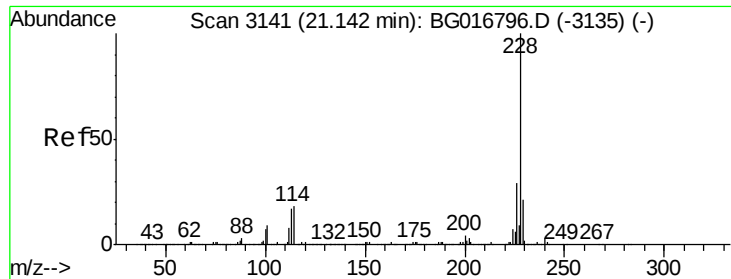
Delta R.T. -0.00 min

Lab File: BG016828.D

Acq: 30 Apr 2015 11:34

Tgt Ion:	244	Resp:	6658
Ion Ratio	Lower	Upper	
244	100		
212	6.2	6.4	9.6#
122	24.1	16.4	24.6





#80

Benzo(a)anthracene

Concen: 19.65 ng

RT: 21.15 min Scan# 3142

Delta R.T. 0.01 min

Lab File: BG016828.D

Acq: 30 Apr 2015 11:34

Instrument :

BNA_G

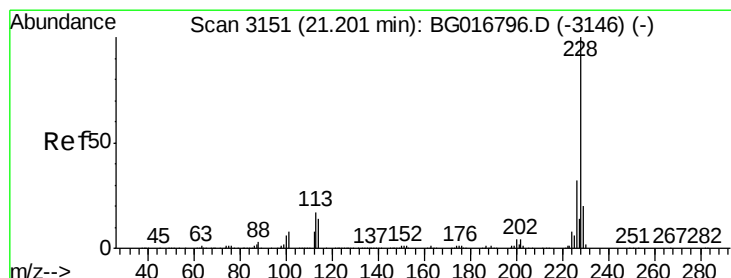
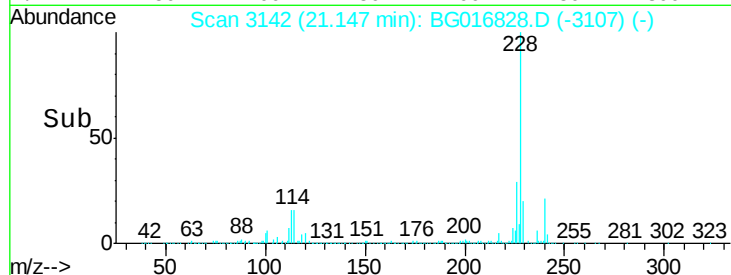
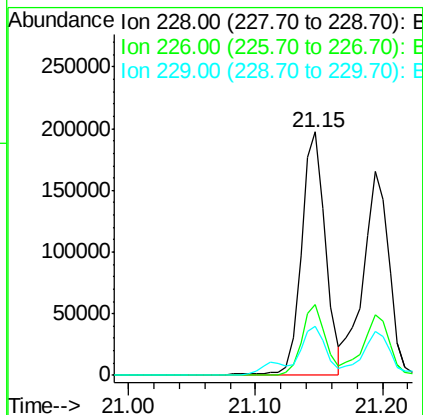
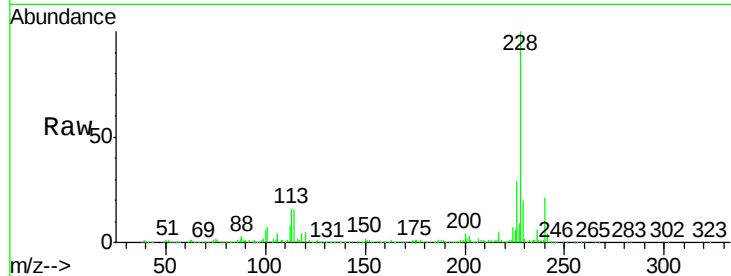
ClientSampleId :

SB-02-COMPDL2

Tot Ion:	228	Resp:	257963
Ion Ratio	Lower	Upper	
228	100		
226	28.9	23.4	35.0
229	20.2	17.0	25.6

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#82

Chrysene

Concen: 17.87 ng

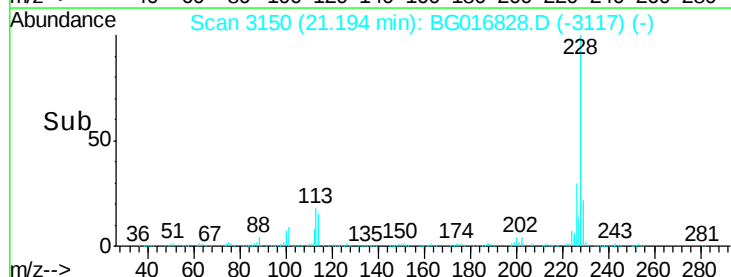
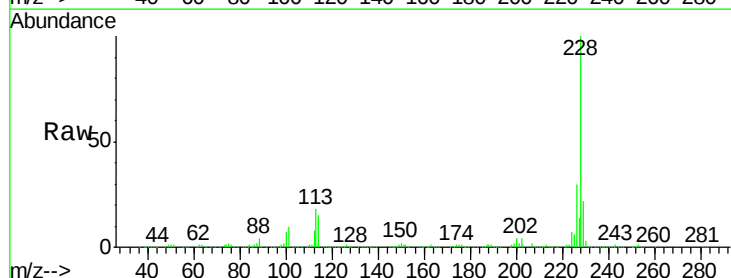
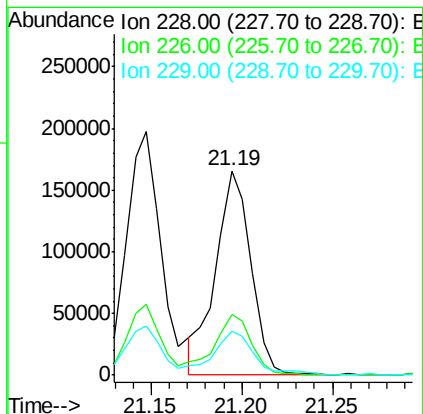
RT: 21.19 min Scan# 3150

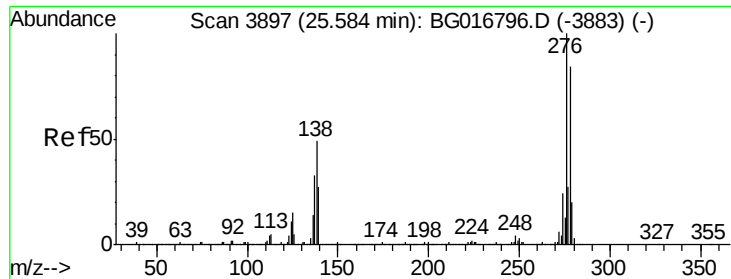
Delta R.T. -0.01 min

Lab File: BG016828.D

Acq: 30 Apr 2015 11:34

Tgt Ion:	228	Resp:	221852
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.1	37.7
229	21.8	16.1	24.1





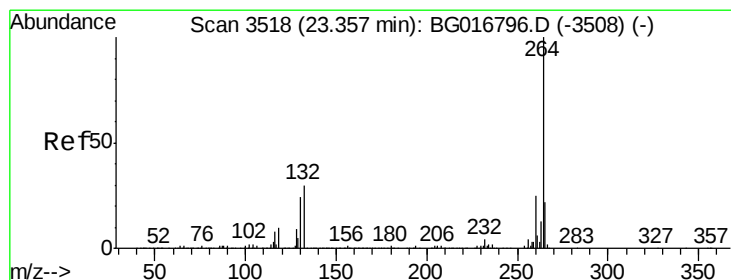
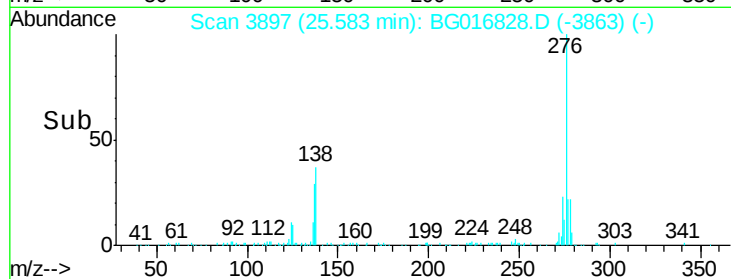
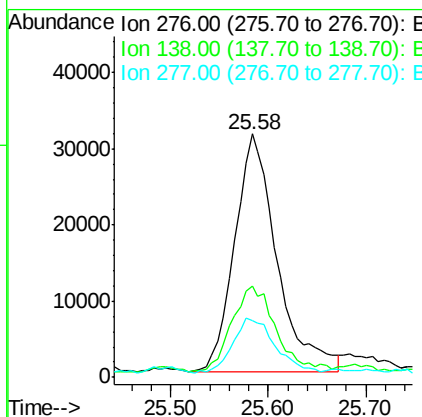
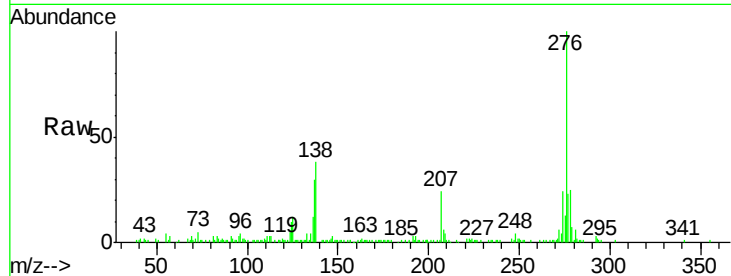
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.68 ng
 RT: 25.58 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: BG016828.D
 Acq: 30 Apr 2015 11:34

Instrument :
 BNA_G
 ClientSampleId :
 SB-02-COMPDL2

Tot Ion	Ratio	Lower	Upper
276	100		
138	37.5	37.0	55.6
277	23.5	21.4	32.0

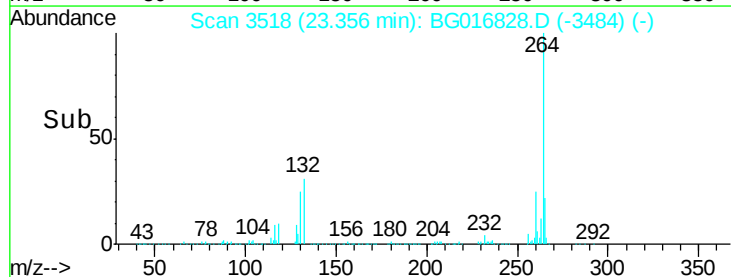
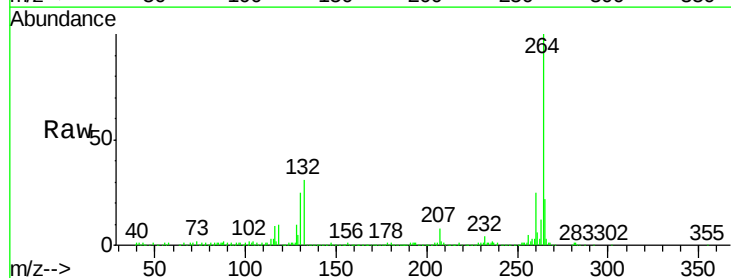
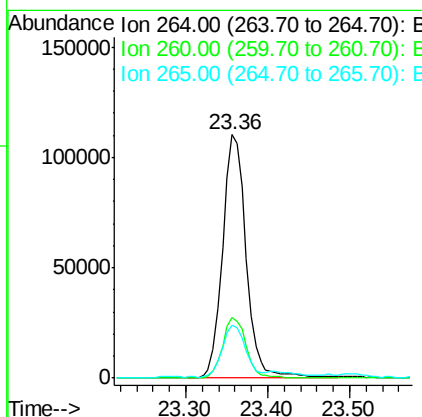
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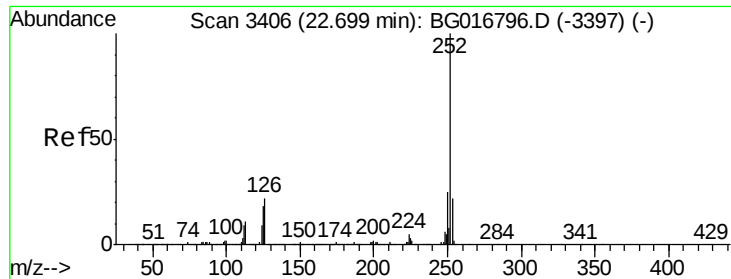
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.36 min Scan# 3518
 Delta R.T. -0.00 min
 Lab File: BG016828.D
 Acq: 30 Apr 2015 11:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.7	29.5
265	21.9	17.4	26.2





#87

Benzo(b)fluoranthene

Concen: 21.10 ng m

RT: 22.70 min Scan# 3406

Delta R.T. -0.00 min

Lab File: BG016828.D

Acq: 30 Apr 2015 11:34

Instrument :

BNA_G

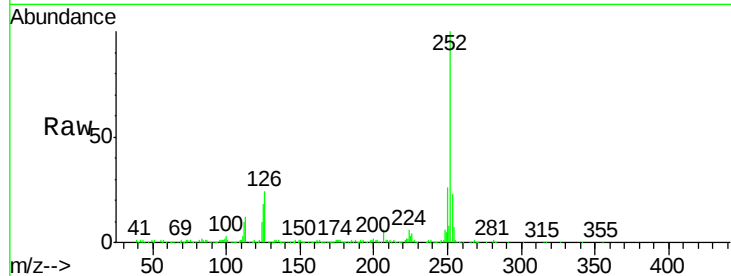
ClientSampleId :

SB-02-COMPDL2

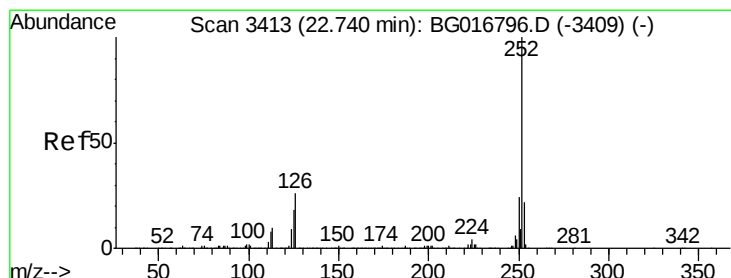
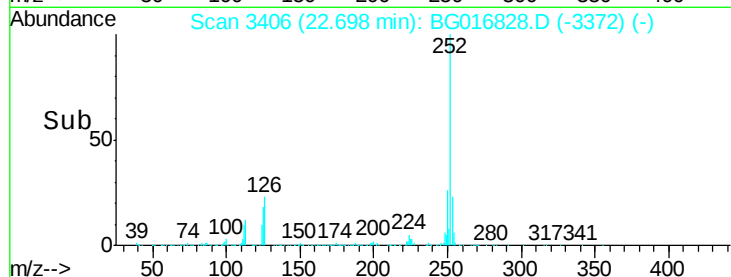
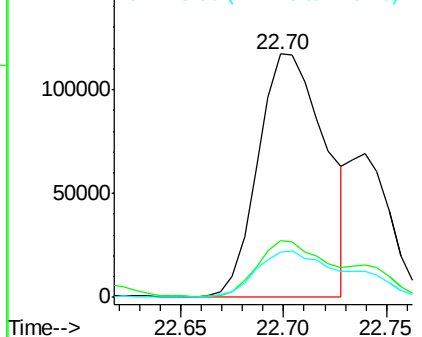
Tot Ion:	252	Resp:	267455
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.0	27.0
125	18.3	14.2	21.2

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.83 ng m

RT: 22.74 min Scan# 3413

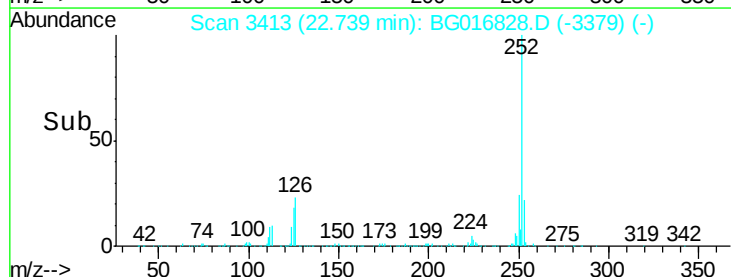
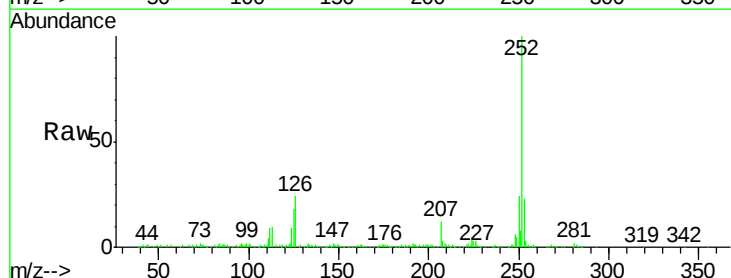
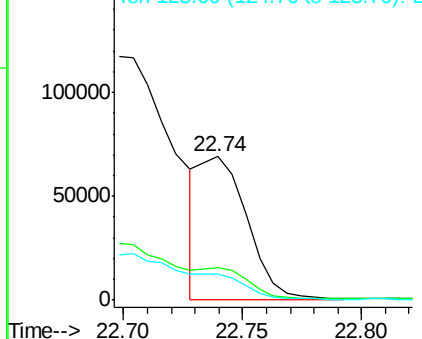
Delta R.T. -0.00 min

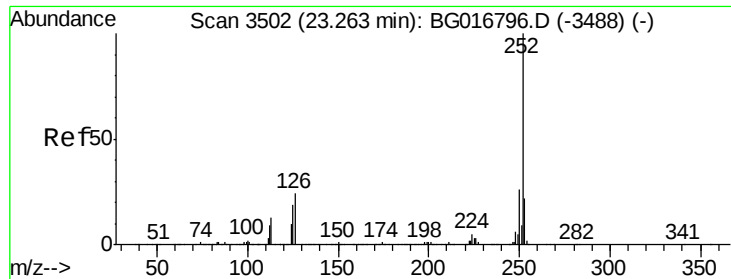
Lab File: BG016828.D

Acq: 30 Apr 2015 11:34

Tgt Ion:	252	Resp:	97100
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.7	26.5
125	18.3	14.5	21.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





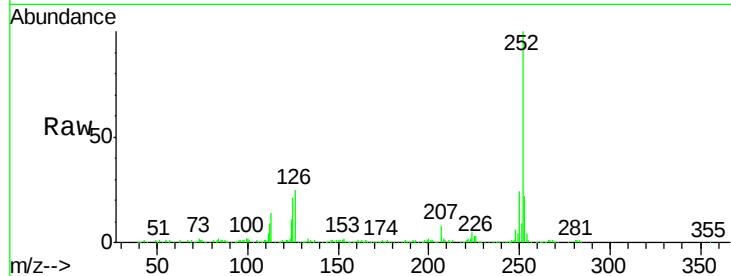
#89
Benzo(a)pyrene
Concen: 15.77 ng
RT: 23.26 min Scan# 3502
Delta R.T. -0.00 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL2

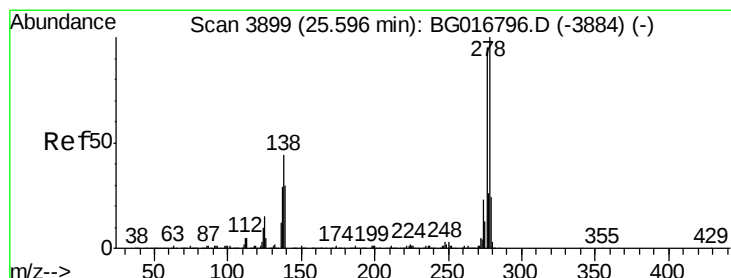
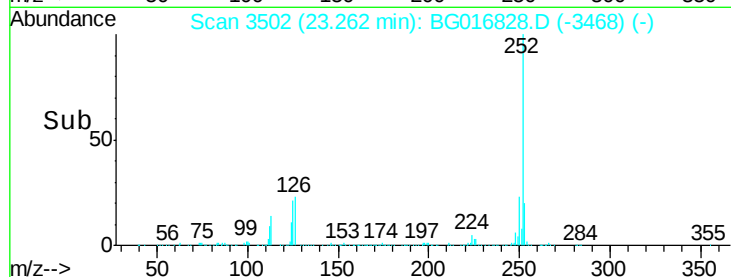
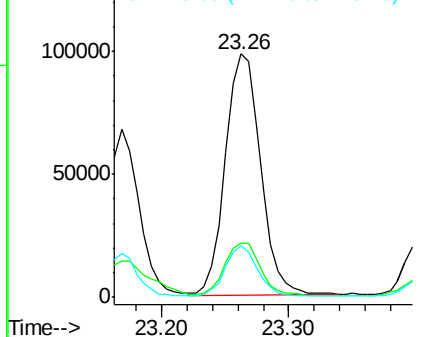
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	21.1	15.0	22.4

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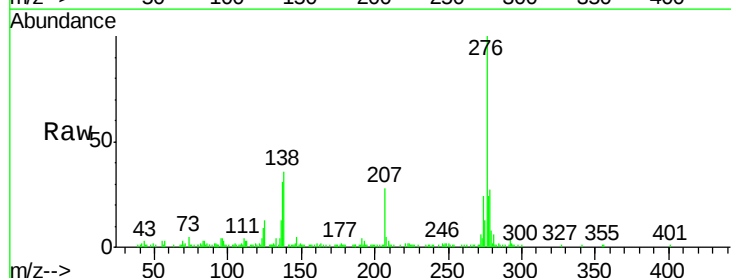


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

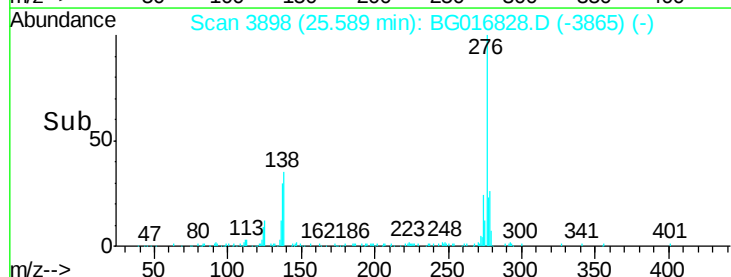
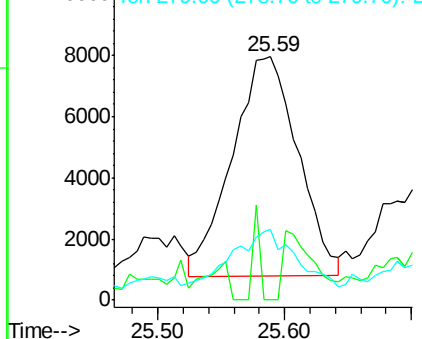


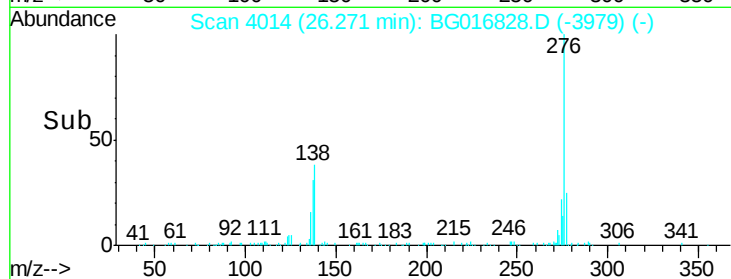
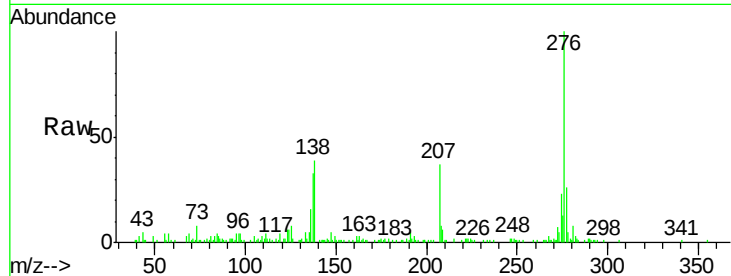
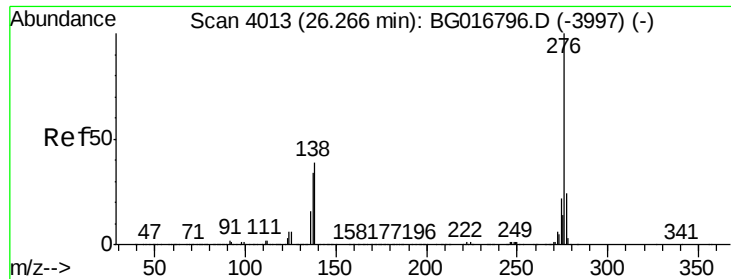
#90
Dibenzo(a,h)anthracene
Concen: 2.13 ng
RT: 25.59 min Scan# 3898
Delta R.T. -0.01 min
Lab File: BG016828.D
Acq: 30 Apr 2015 11:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	23.9	35.9#
279	29.0	19.4	29.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 6.45 ng
 RT: 26.27 min Scan# 4014
 Delta R.T. 0.01 min
 Lab File: BG016828.D
 Acq: 30 Apr 2015 11:34

Instrument :
 BNA_G
 ClientSampleId :
 SB-02-COMPDL2

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.6	29.4
138	38.8	31.0	46.4

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