

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
 Data File : BG016814.D
 Acq On : 30 Apr 2015 2:03
 Operator : TP/IZ
 Sample : G2022-06DL 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-02-COMPD

Manual Integrations
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Quant Time: Apr 30 03:35:01 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	42199	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	190741	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	118336	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	253613	20.00	ng	0.00
75) Chrysene-d12	21.16	240	227582	20.00	ng	0.00
86) Perylene-d12	23.35	264	214937	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	4784	2.09	ng	0.00
7) Phenol-d6	6.78	99	5822	1.81	ng	0.00
23) Nitrobenzene-d5	8.74	82	2672	0.91	ng	0.02
41) 2,4,6-Tribromophenol	15.73	330	1157	1.31	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	9987	1.31	ng	0.00
78) Terphenyl-d14	19.60	244	14803	1.57	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.40	128	41215	4.33	ng	97
37) 2-Methylnaphthalene	12.02	142	17254	2.47	ng	95
51) Acenaphthene	14.29	154	47898	6.75	ng	99
54) Dibenzofuran	14.62	168	78445	7.76	ng	100
57) Fluorene	15.27	166	103132	11.61	ng	98
70) Phenanthrene	17.01	178	1165848	84.99	ng	96
71) Anthracene	17.10	178	276514	20.16	ng	99
72) Carbazole	17.38	167	70998	5.29	ng	97
74) Fluoranthene	19.04	202	1311151	88.90	ng	96
77) Pyrene	19.40	202	1066944	71.71	ng	97
80) Benzo(a)anthracene	21.14	228	536914	40.84	ng	100
82) Chrysene	21.20	228	463738	37.30	ng	98
85) Indeno(1,2,3-cd)pyrene	25.57	276	229835	16.24	ng	93
87) Benzo(b)fluoranthene	22.70	252	532085	43.48	ng	98
88) Benzo(k)fluoranthene	22.74	252	198929m	16.60	ng	
89) Benzo(a)pyrene	23.26	252	380992	32.88	ng	96
90) Dibenzo(a,h)anthracene	25.57	278	55046m	4.71	ng	
91) Benzo(g,h,i)perylene	26.25	276	209872	17.86	ng	97

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

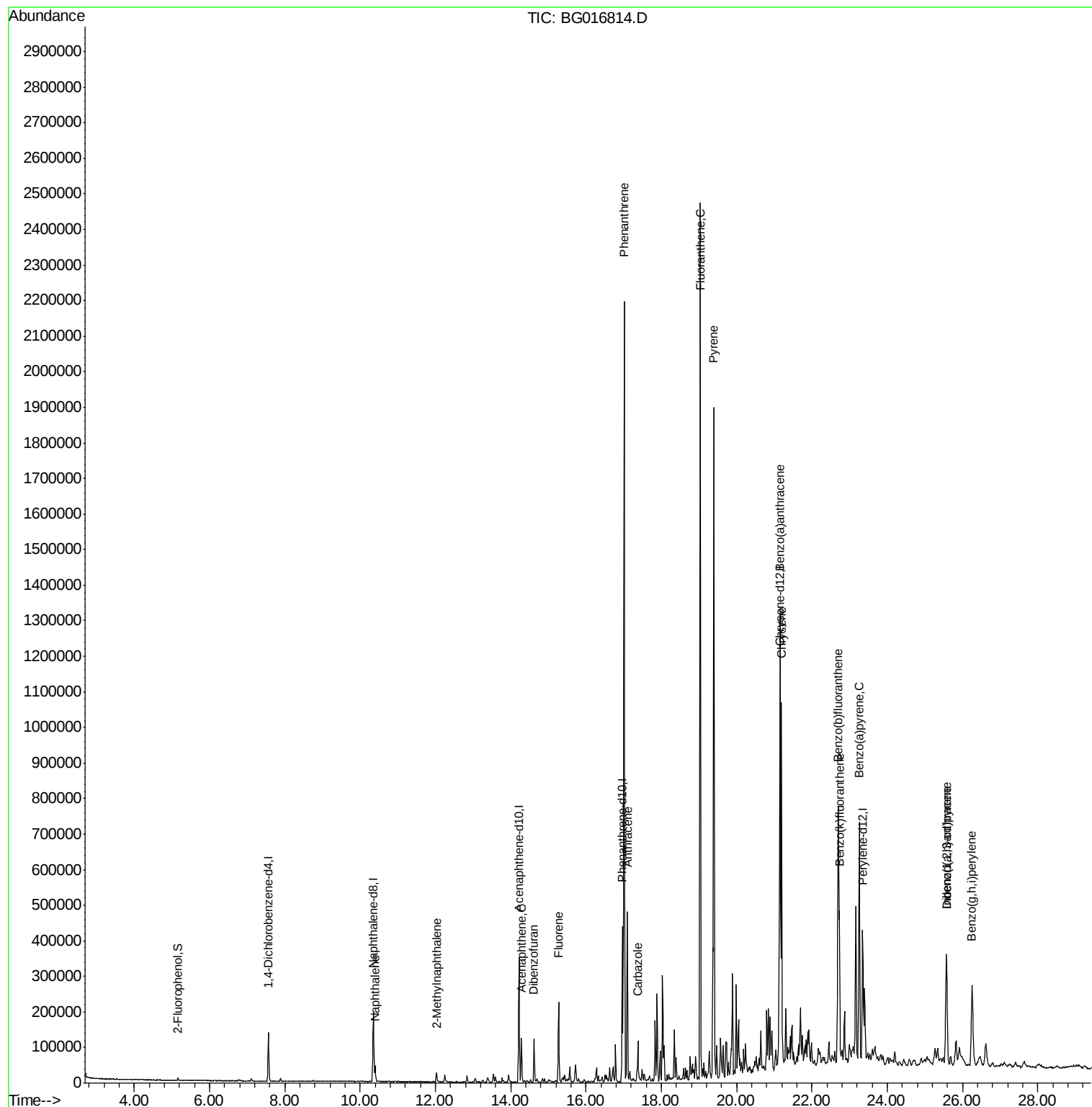
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
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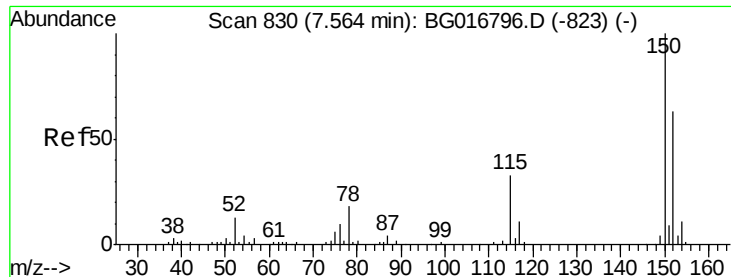
Instrument :
BNA_G
ClientSampled :
SB-02-COMPD

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 829

Delta R.T. -0.00 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

Instrument :

BNA_G

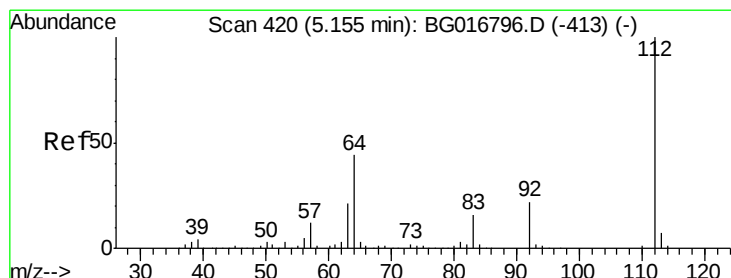
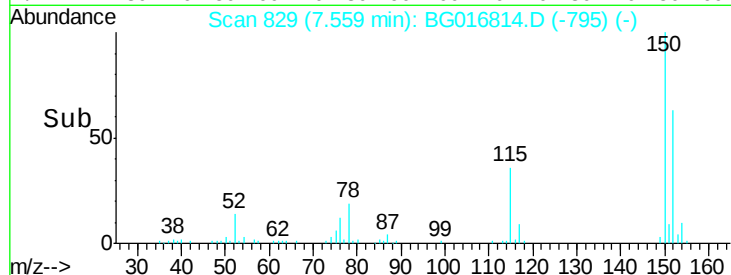
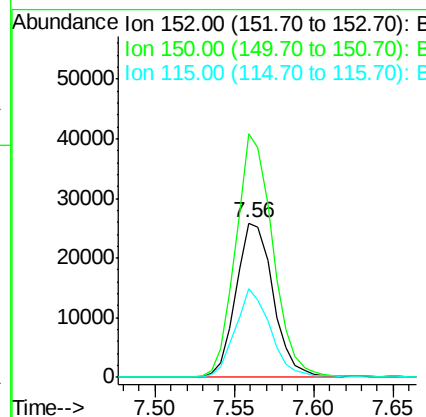
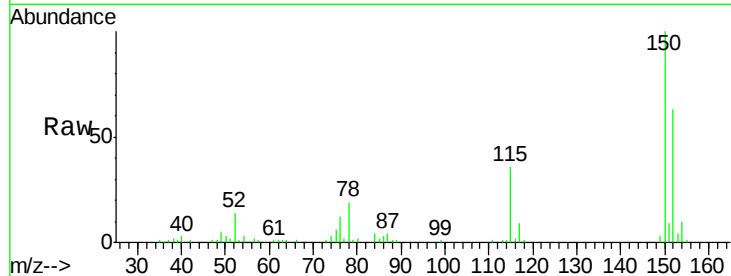
ClientSampleId :

SB-02-COMPDL

Tot Ion:	152	Resp:	42199
Ion Ratio	Lower	Upper	
152	100		
150	157.9	126.2	189.4
115	57.5	41.1	61.7

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#5

2-Fluorophenol

Concen: 2.09 ng

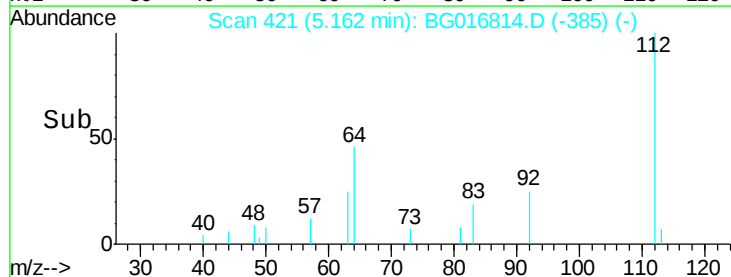
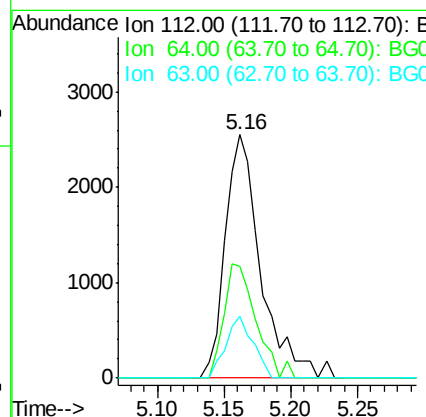
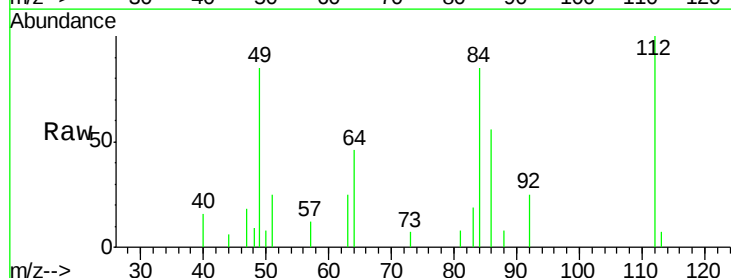
RT: 5.16 min Scan# 421

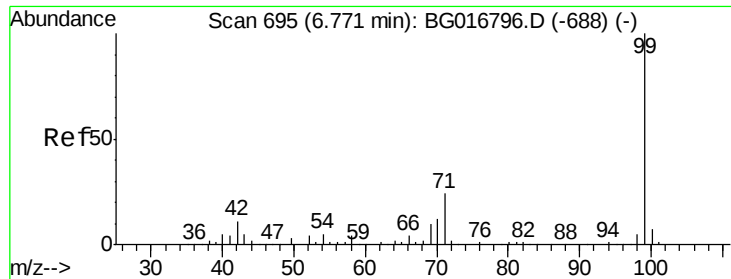
Delta R.T. 0.01 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

Tgt Ion:	112	Resp:	4784
Ion Ratio	Lower	Upper	
112	100		
64	46.0	35.5	53.3
63	25.4	17.2	25.8





#7

Phenol-d6

Concen: 1.81 ng

RT: 6.78 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

Instrument :

BNA_G

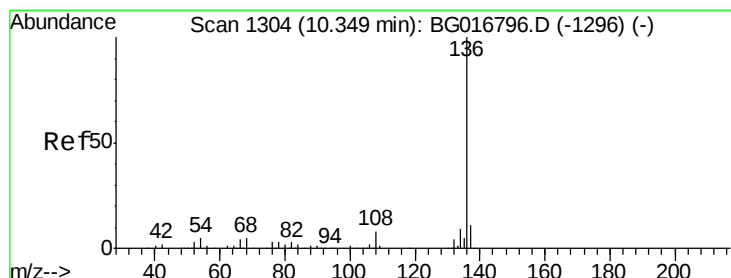
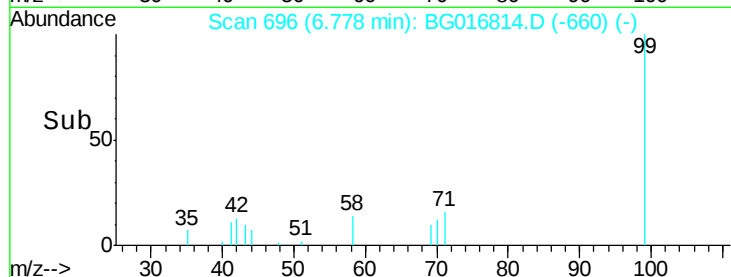
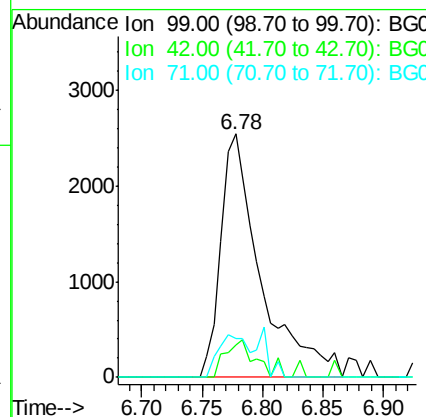
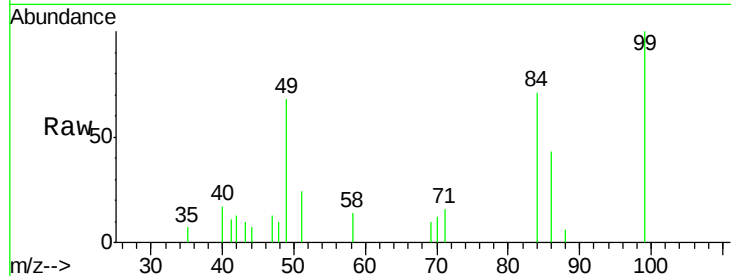
ClientSampleId :

SB-02-COMPDL

Tot Ion:	99	Resp:	5822
Ion Ratio	Lower	Upper	
99	100		
42	13.1	8.9	13.3
71	15.8	19.0	28.6#

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#21

Naphthalene-d8

Concen: 20.00 ng

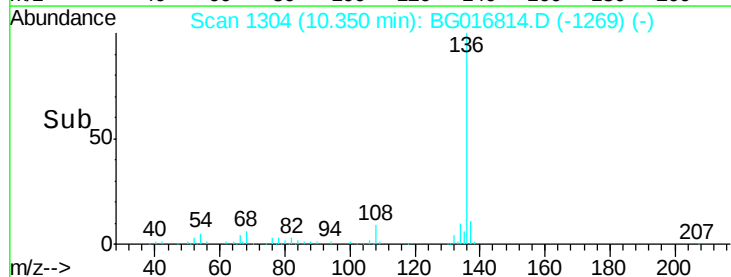
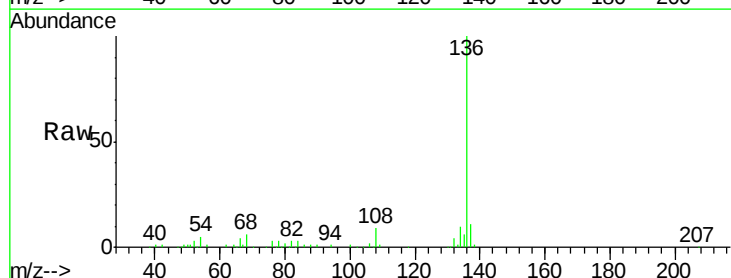
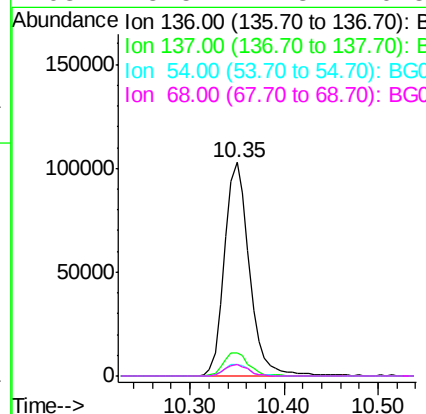
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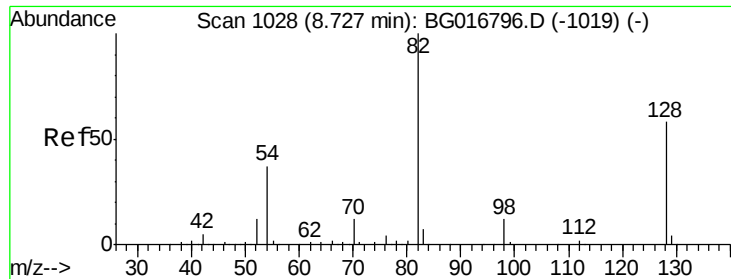
Delta R.T. 0.00 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

Tgt Ion:	136	Resp:	190741
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	12.8
54	5.2	4.3	6.5
68	5.5	4.3	6.5





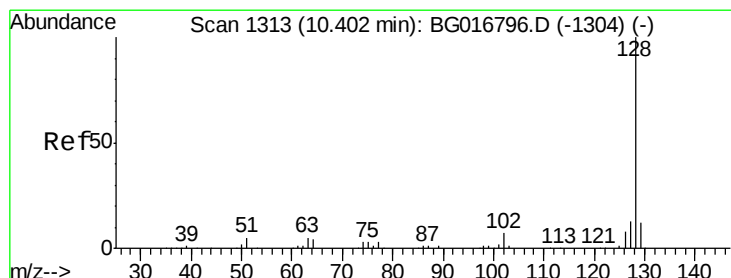
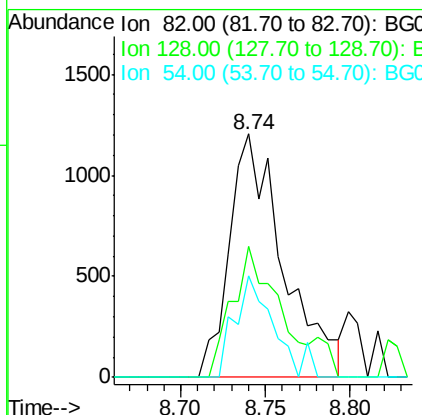
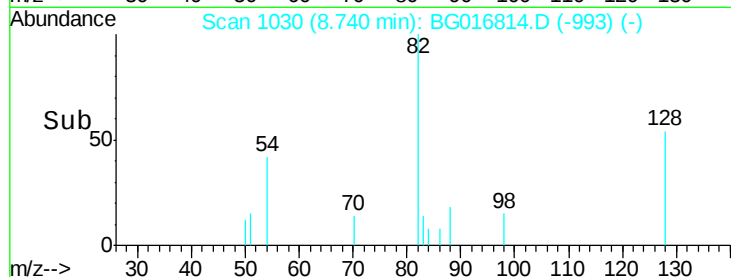
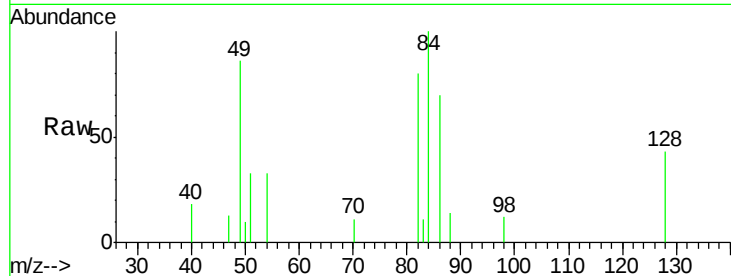
#23
 Nitrobenzene-d5
 Concen: 0.91 ng
 RT: 8.74 min Scan# 1030
 Delta R.T. 0.02 min
 Lab File: BG016814.D
 Acq: 30 Apr 2015 2:03

Instrument :
 BNA_G
 ClientSampleId :
 SB-02-COMPDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	53.7	46.3	69.5
54	42.0	30.0	45.0

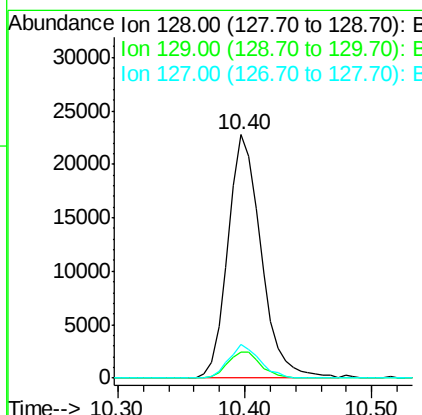
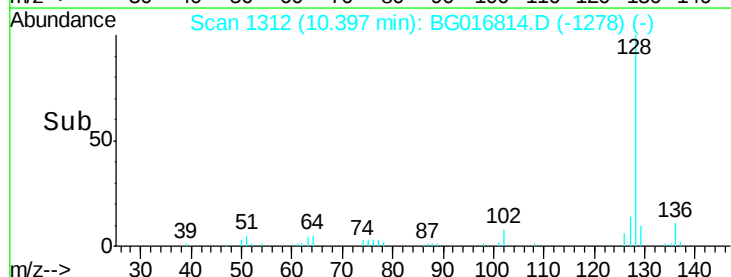
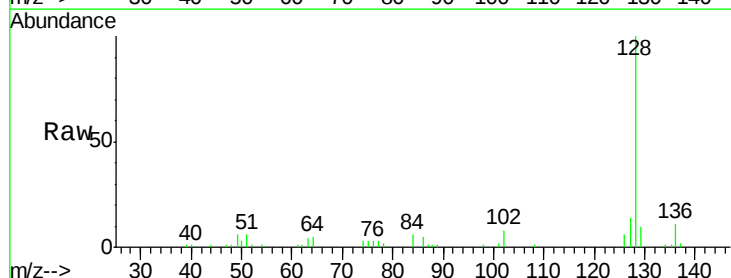
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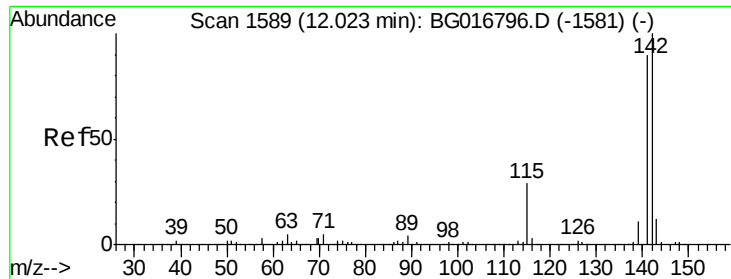
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#31
 Naphthalene
 Concen: 4.33 ng
 RT: 10.40 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: BG016814.D
 Acq: 30 Apr 2015 2:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.4	14.0
127	13.9	10.5	15.7





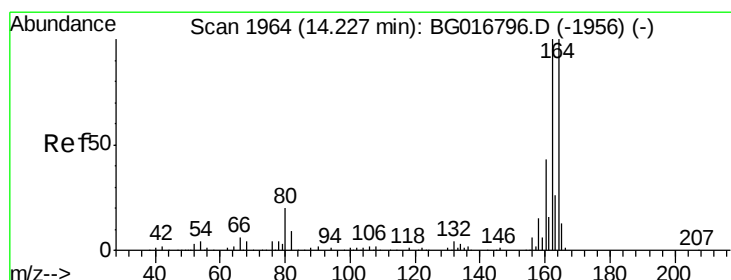
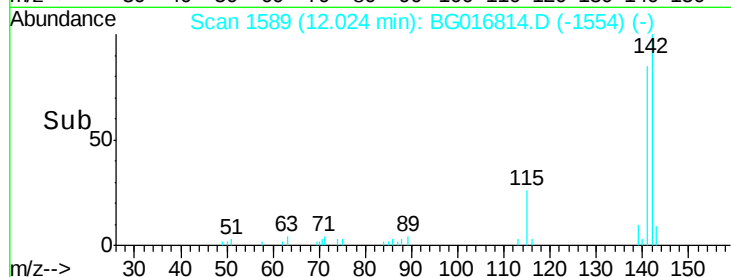
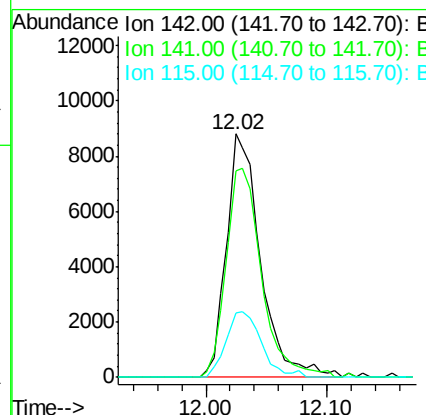
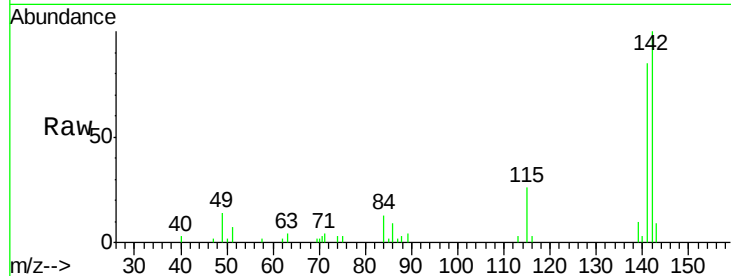
#37
2-Methylnaphthalene
Concen: 2.47 ng
RT: 12.02 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.8	71.8	107.8
115	26.3	23.5	35.3

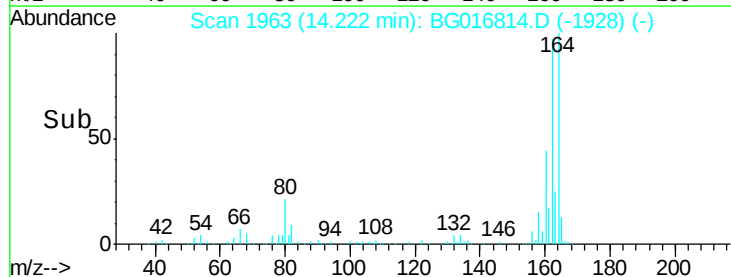
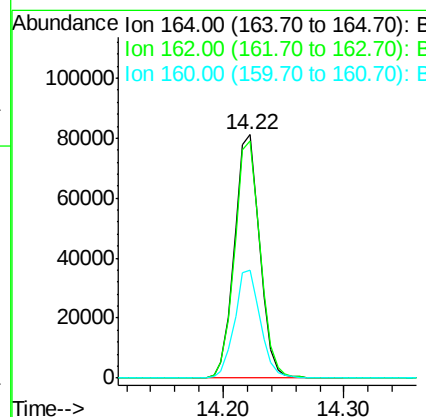
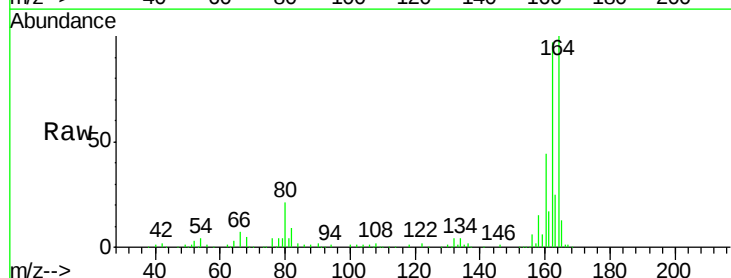
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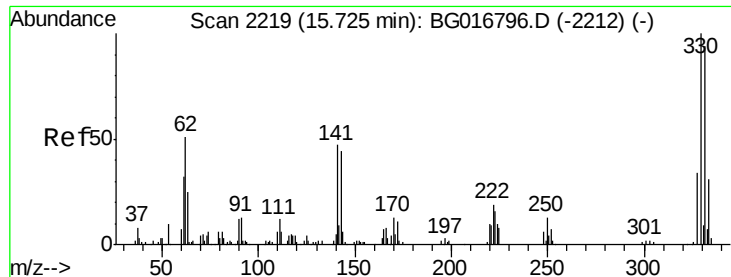
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.22 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.4	80.2	120.4
160	44.4	34.8	52.2





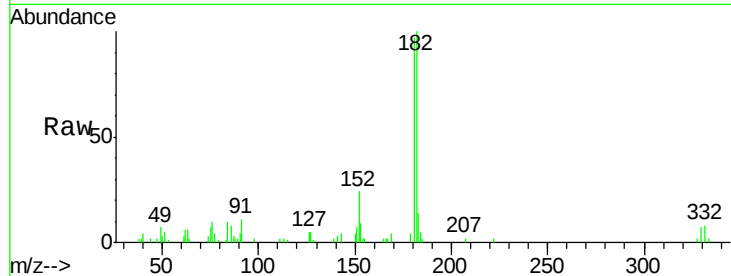
#41
 2,4,6-Tribromophenol
 Concen: 1.31 ng
 RT: 15.73 min Scan# 2219
 Delta R.T. 0.01 min
 Lab File: BG016814.D
 Acq: 30 Apr 2015 2:03

Instrument :
 BNA_G
 ClientSampleId :
 SB-02-COMPDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.3	112.9
141	60.3	40.7	61.1

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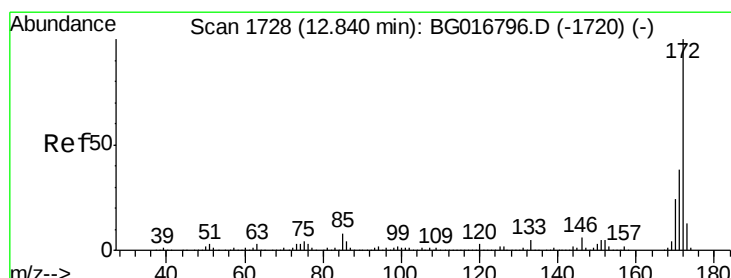
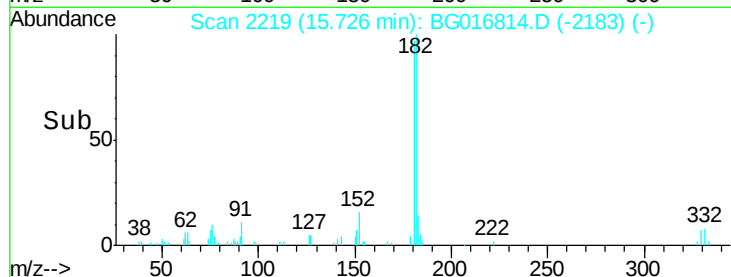
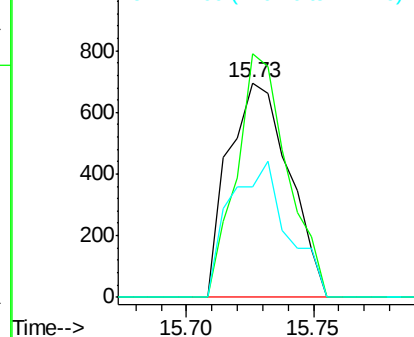


Abundance

Ion 329.80 (329.50 to 330.50): E

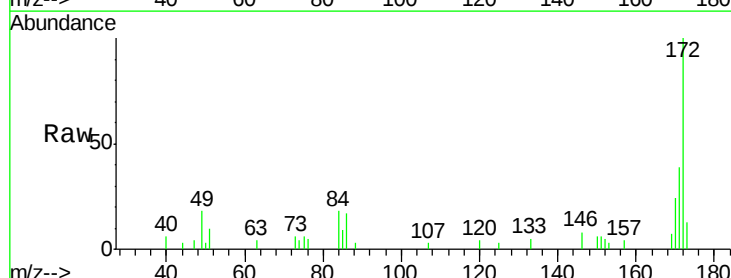
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 1.31 ng
 RT: 12.84 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BG016814.D
 Acq: 30 Apr 2015 2:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.2	45.4
170	23.6	19.4	29.0

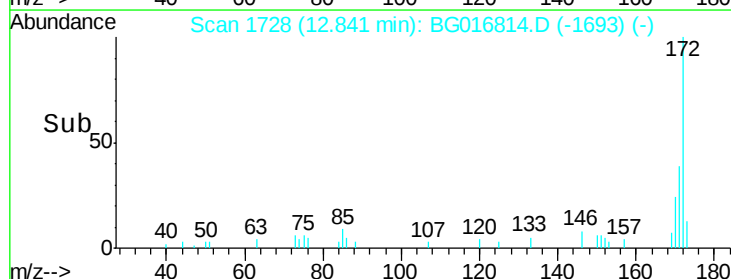
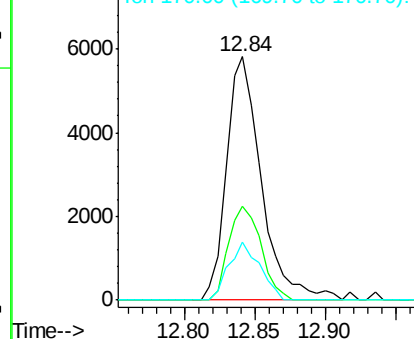


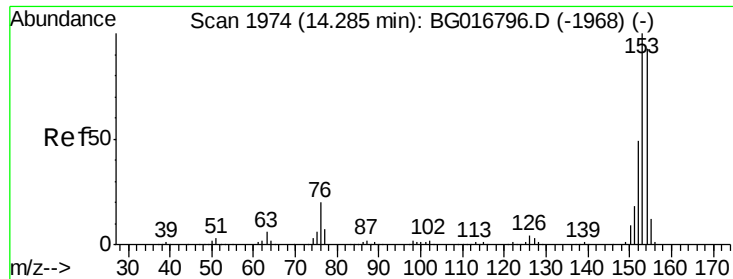
Abundance

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





#51

Acenaphthene

Concen: 6.75 ng

RT: 14.29 min Scan# 1974

Delta R.T. 0.00 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

Instrument :

BNA_G

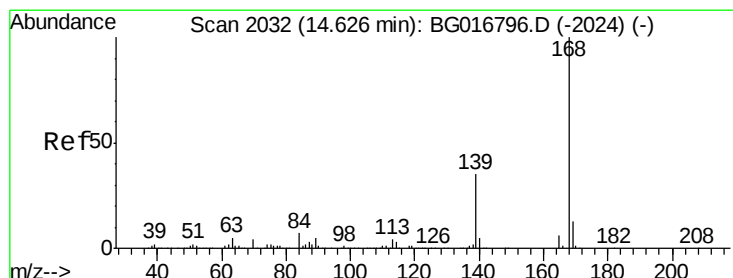
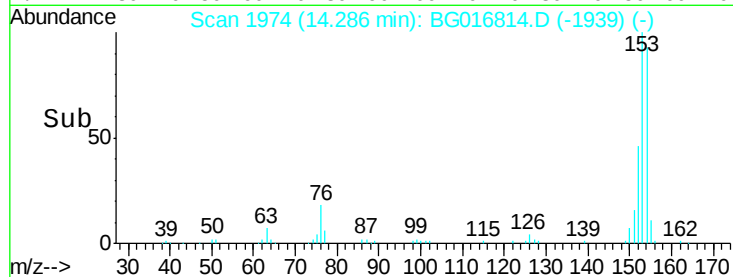
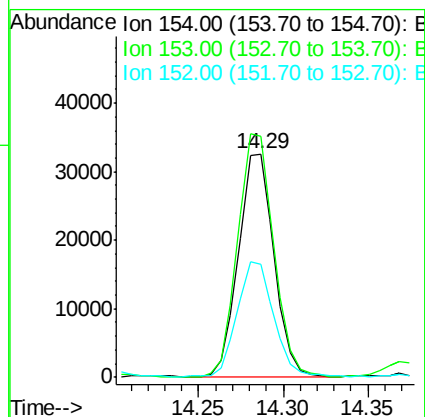
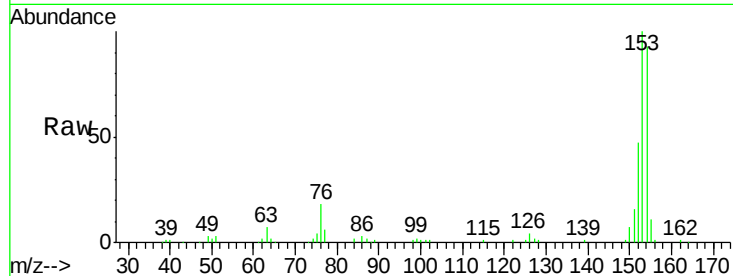
ClientSampleId :

SB-02-COMPDL

Tot Ion:	154	Resp:	47898
Ion Ratio	Lower	Upper	
154	100		
153	108.1	86.4	129.6
152	50.7	41.9	62.9

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#54

Dibenzofuran

Concen: 7.76 ng

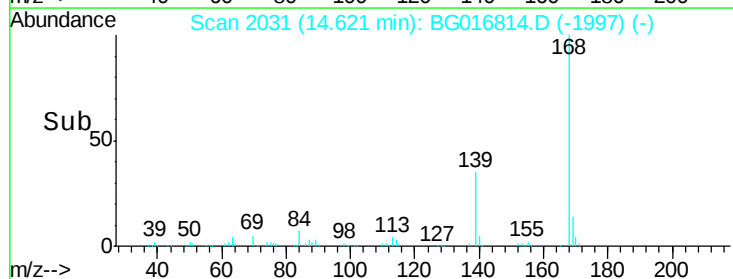
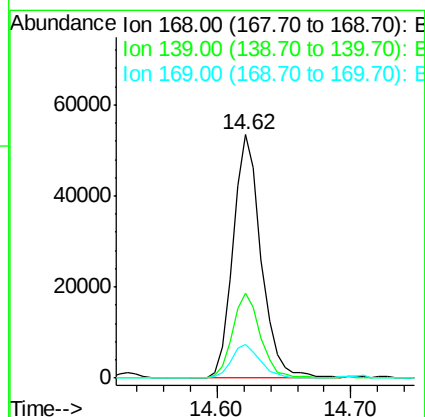
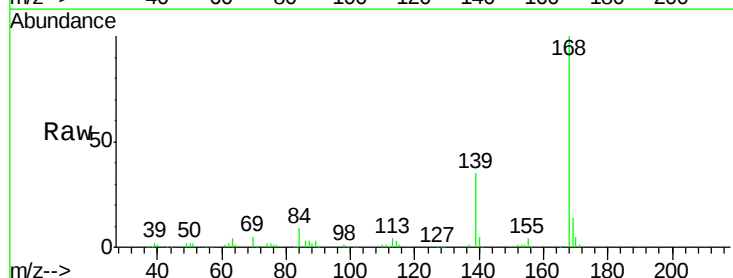
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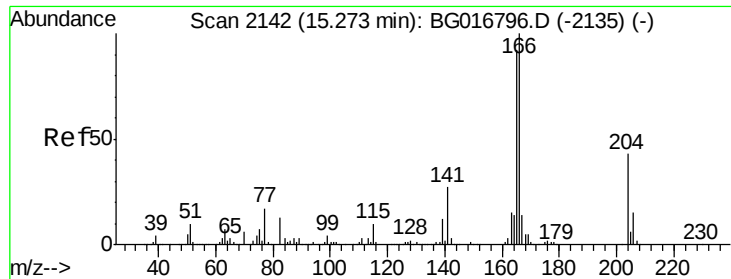
Delta R.T. -0.00 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

Tgt Ion:	168	Resp:	78445
Ion Ratio	Lower	Upper	
168	100		
139	35.1	28.1	42.1
169	13.9	10.7	16.1





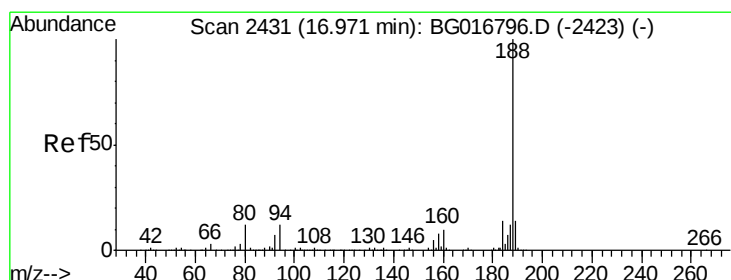
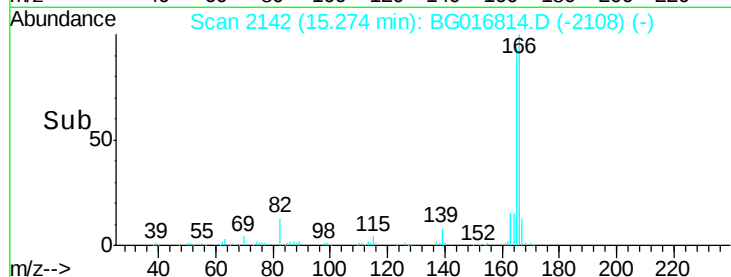
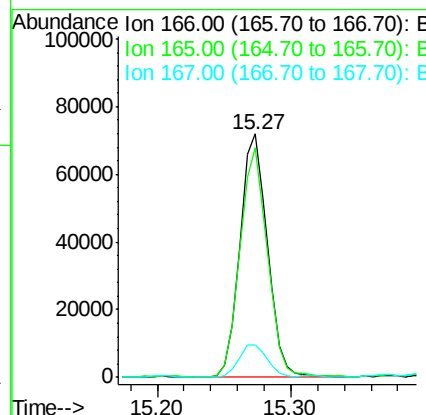
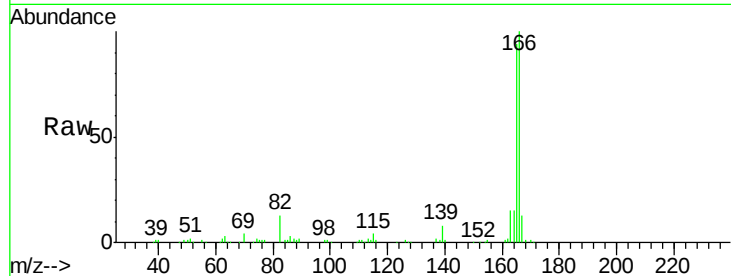
#57
Fluorene
 Concen: 11.61 ng
 RT: 15.27 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: BG016814.D
 Acq: 30 Apr 2015 2:03

Instrument :
 BNA_G
 ClientSampleId :
 SB-02-COMPDL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	103132		
165	94.3	73.5	110.3	
167	13.4	10.8	16.2	

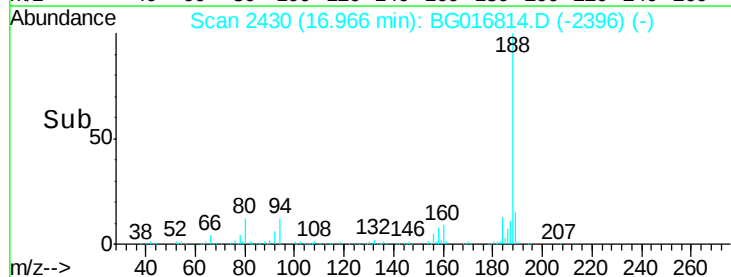
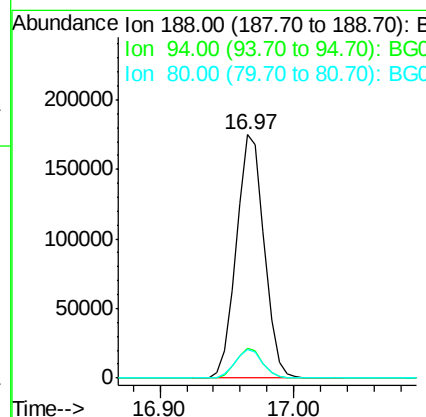
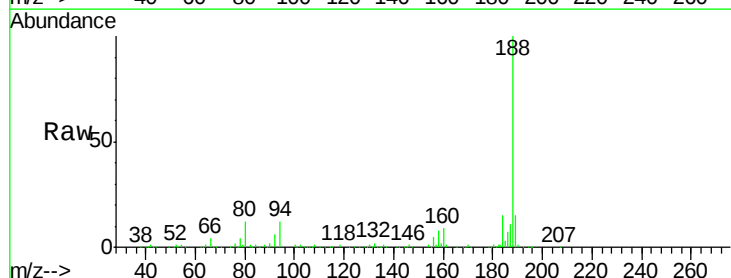
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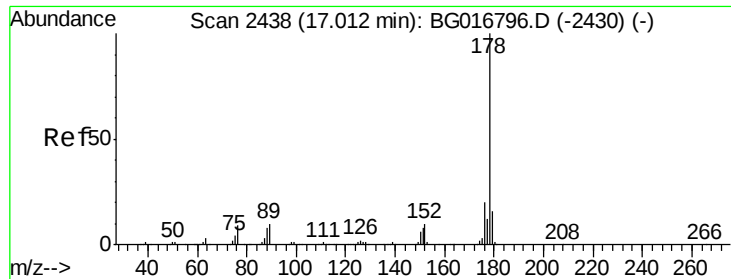
apatel
 5/1/2015 8:57:28 AM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 16.97 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG016814.D
 Acq: 30 Apr 2015 2:03

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	253613		
94	12.0	9.5	14.3	
80	11.9	9.2	13.8	





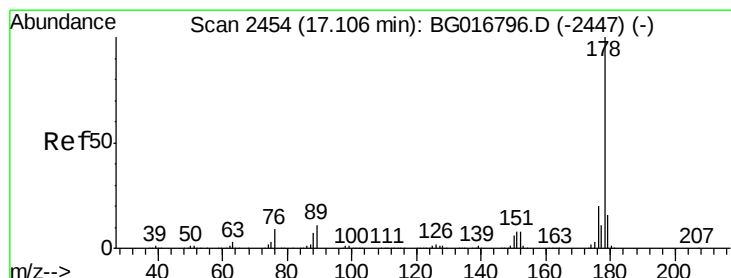
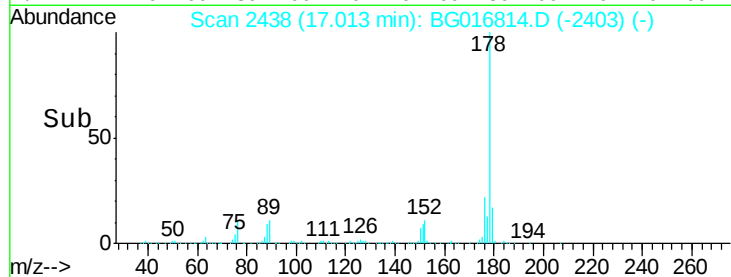
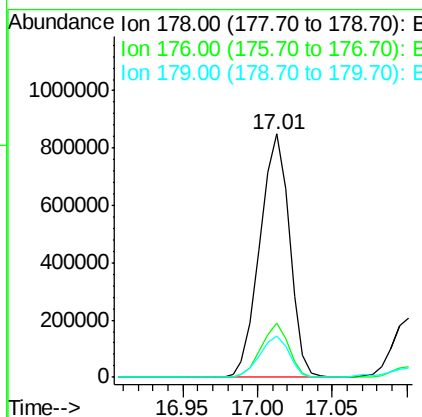
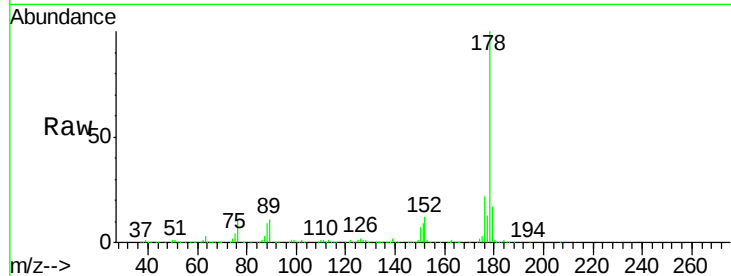
#70
Phenanthrene
Concen: 84.99 ng
RT: 17.01 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL

Tot Ion:178 Resp: 1165848
Ion Ratio Lower Upper
178 100
176 22.2 15.9 23.9
179 17.0 12.7 19.1

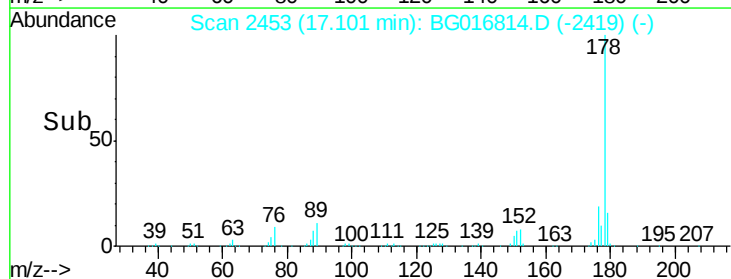
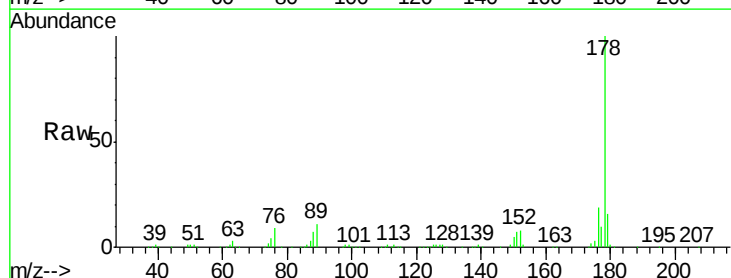
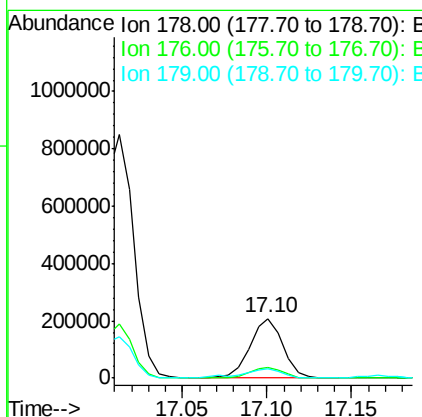
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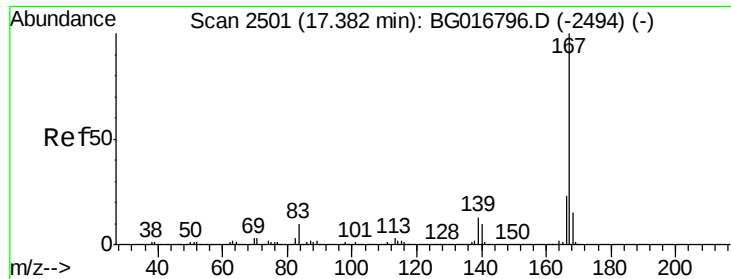
apatel
5/1/2015 8:57:28 AM



#71
Anthracene
Concen: 20.16 ng
RT: 17.10 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Tgt Ion:178 Resp: 276514
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.6 12.6 18.8





#72

Carbazole

Concen: 5.29 ng

RT: 17.38 min Scan# 2500

Delta R.T. -0.00 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

Instrument :

BNA_G

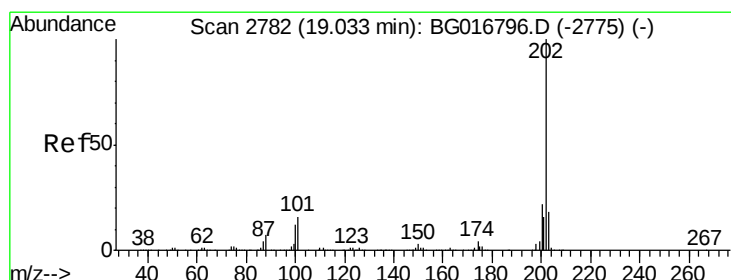
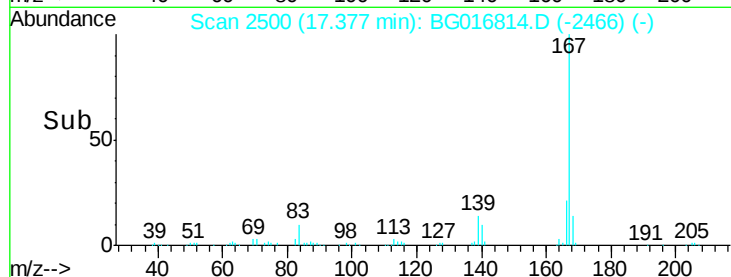
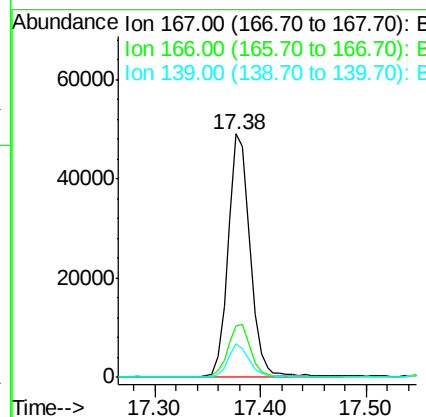
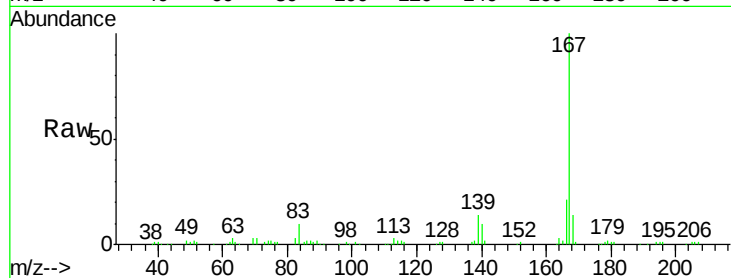
ClientSampleId :

SB-02-COMPDL

Tot Ion:	167	Resp:	70998
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.2	27.4
139	14.0	10.6	15.8

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#74

Fluoranthene

Concen: 88.90 ng

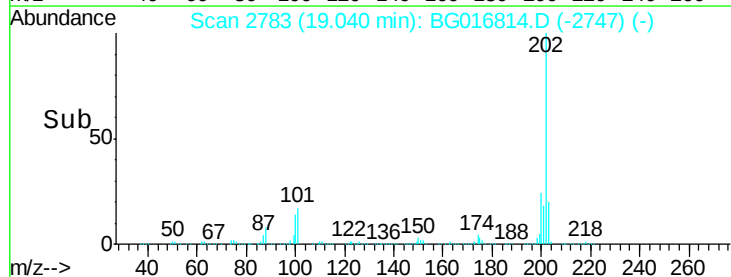
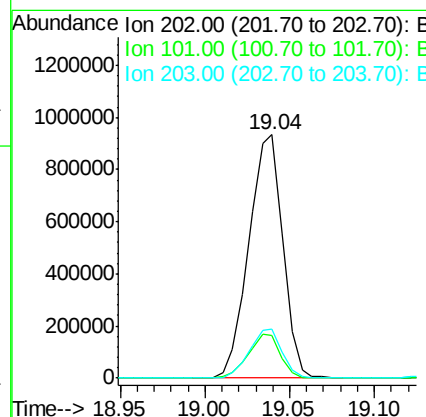
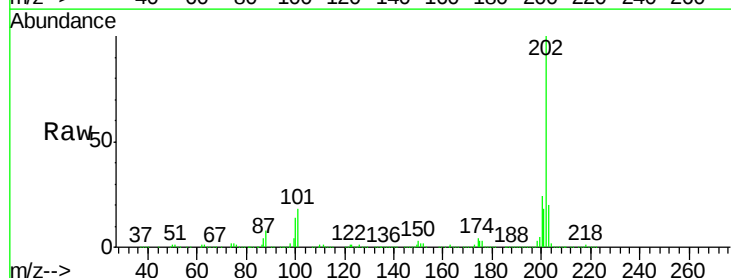
RT: 19.04 min Scan# 2783

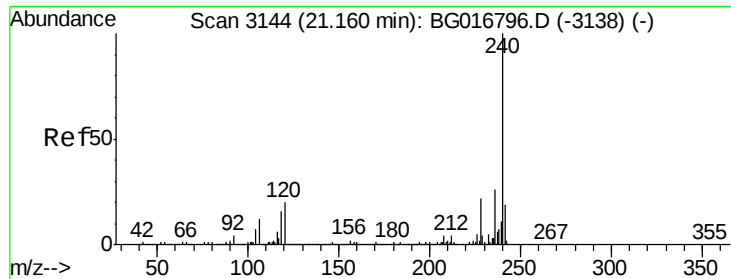
Delta R.T. 0.01 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

Tgt Ion:	202	Resp:	1311151
Ion Ratio	Lower	Upper	
202	100		
101	17.6	0.0	36.2
203	20.0	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 3144

Delta R.T. 0.00 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

Instrument :

BNA_G

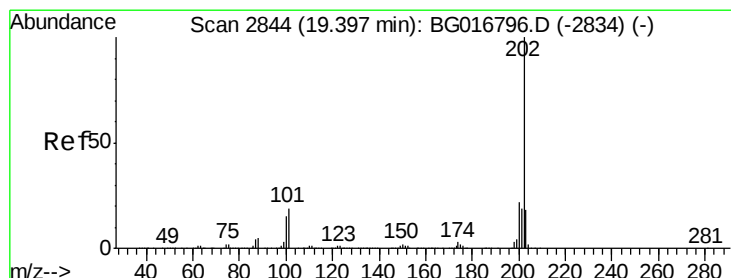
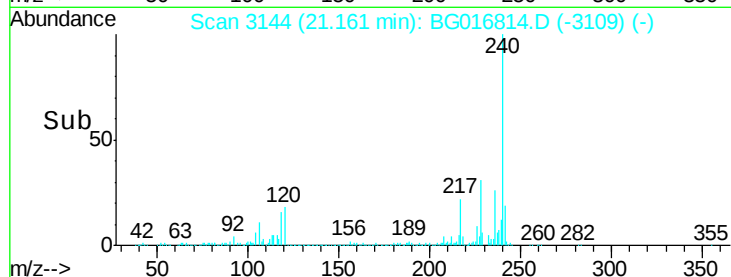
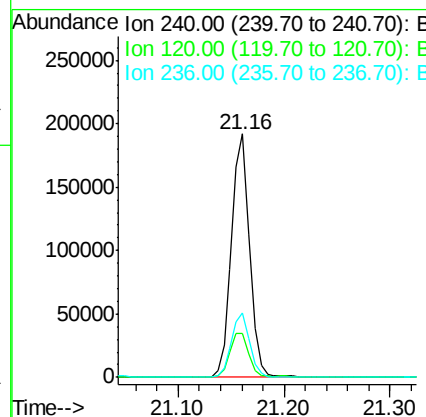
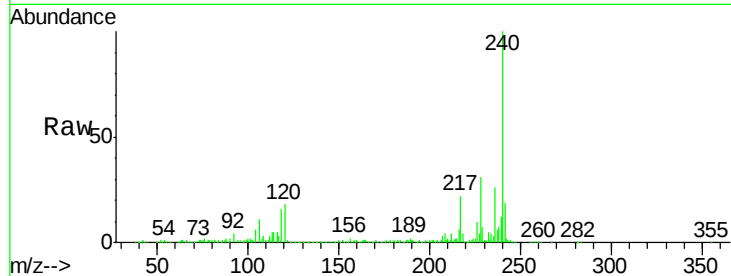
ClientSampleId :

SB-02-COMPDL

Tot Ion:	240	Resp:	227582
Ion Ratio	Lower	Upper	
240	100		
120	18.1	16.1	24.1
236	26.4	21.0	31.6

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#77

Pyrene

Concen: 71.71 ng

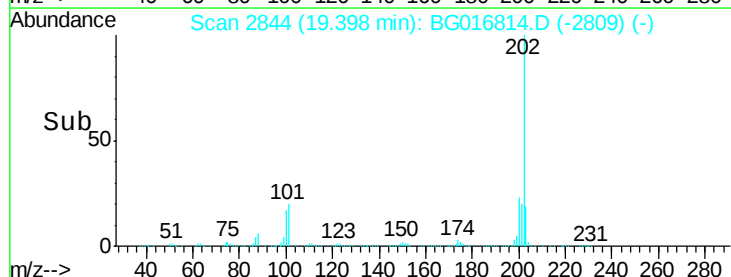
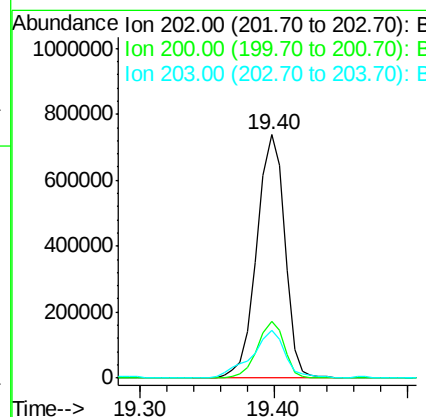
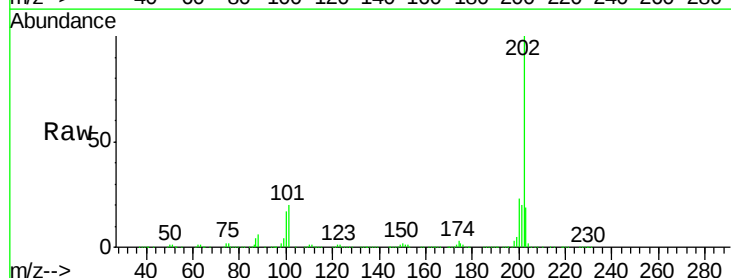
RT: 19.40 min Scan# 2844

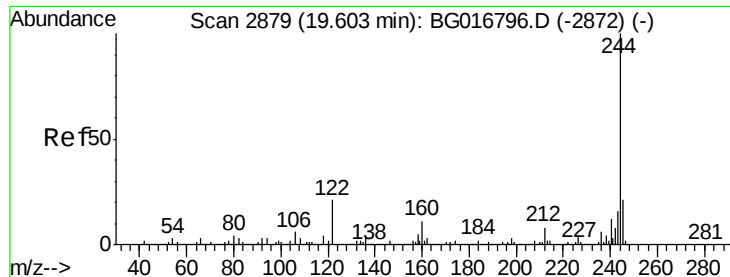
Delta R.T. 0.00 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

Tgt Ion:	202	Resp:	1066944
Ion Ratio	Lower	Upper	
202	100		
200	23.1	17.3	25.9
203	19.4	14.6	22.0





#78

Terphenyl-d14

Concen: 1.57 ng

RT: 19.60 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

Instrument :

BNA_G

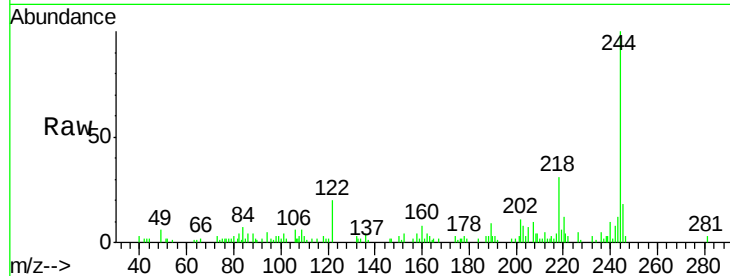
ClientSampleId :

SB-02-COMPDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	5.2	6.4	9.6#
122	19.9	16.4	24.6

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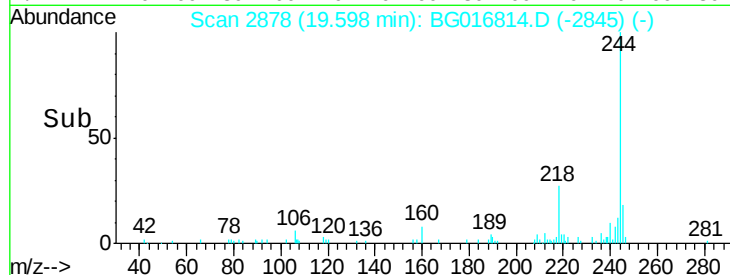


Abundance Ion 244.00 (243.70 to 244.70): E

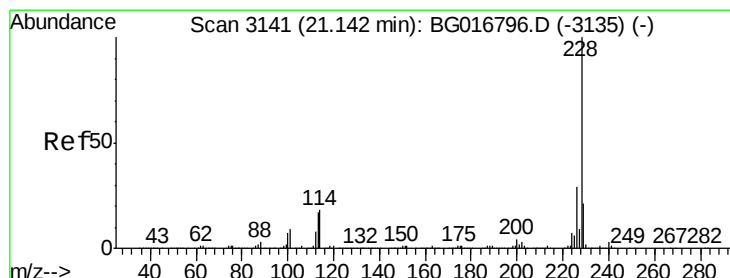
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#80

Benzo(a)anthracene

Concen: 40.84 ng

RT: 21.14 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG016814.D

Acq: 30 Apr 2015 2:03

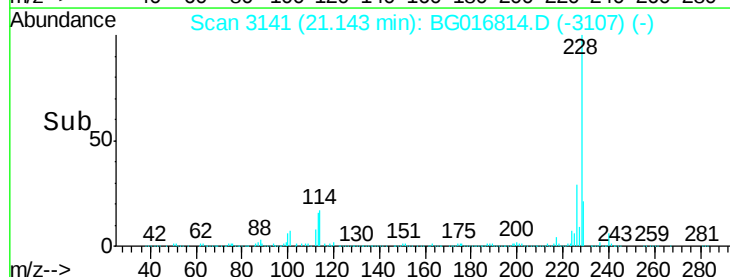
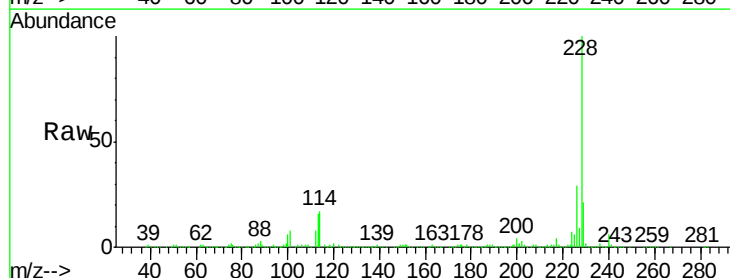
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.0
229	21.1	17.0	25.6

Abundance Ion 228.00 (227.70 to 228.70): E

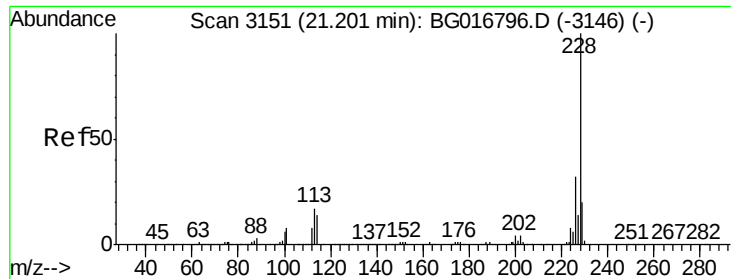
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



Time-->



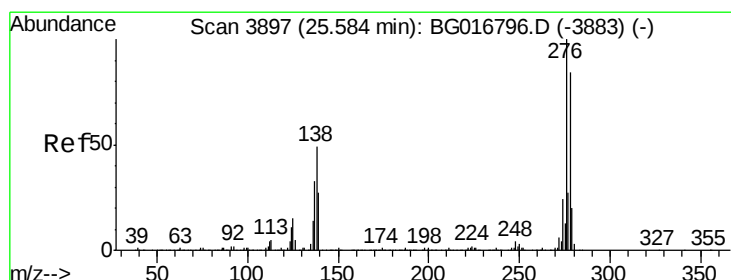
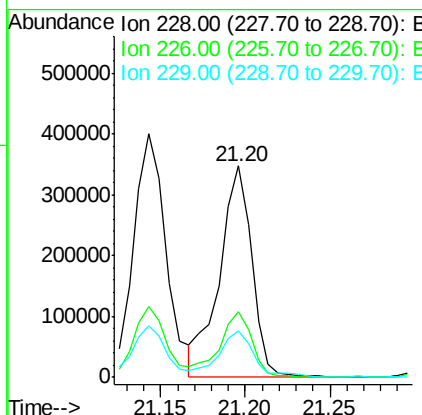
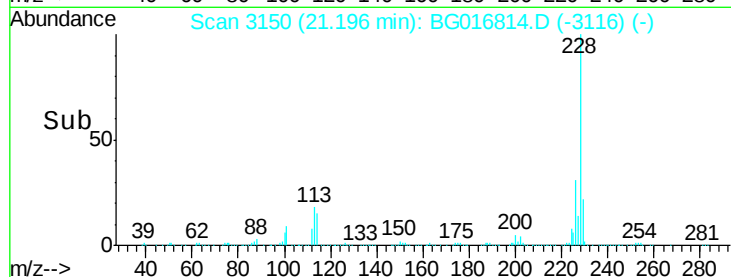
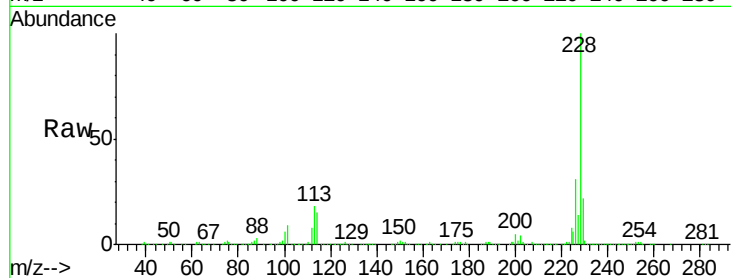
#82
Chrysene
Concen: 37.30 ng
RT: 21.20 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL

Tot Ion:	228	Resp:	463738
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.1	37.7
229	22.3	16.1	24.1

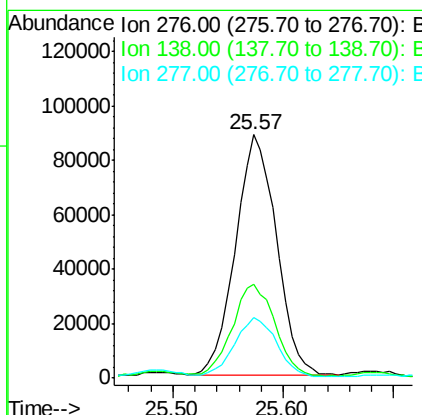
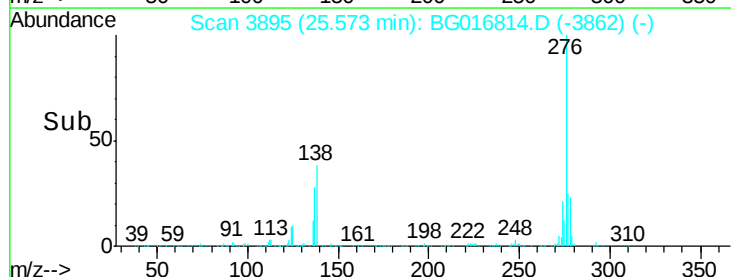
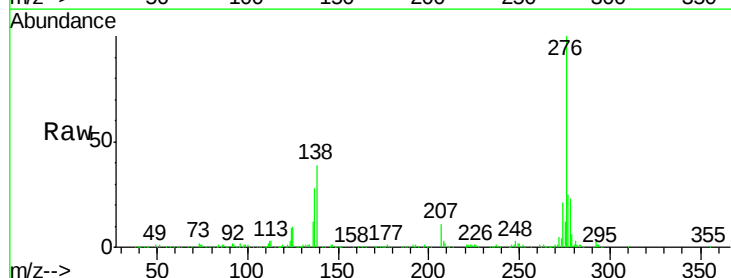
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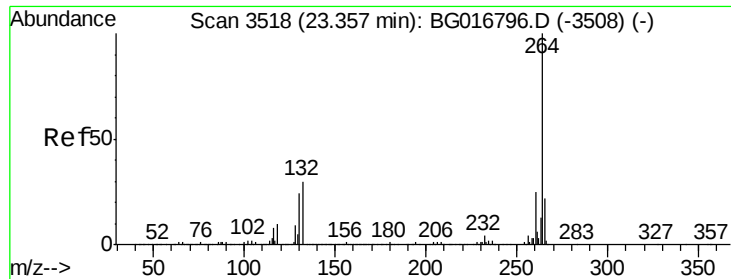
apatel
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#85
Indeno(1,2,3-cd)pyrene
Concen: 16.24 ng
RT: 25.57 min Scan# 3895
Delta R.T. -0.01 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Tgt Ion:	276	Resp:	229835
Ion Ratio	Lower	Upper	
276	100		
138	40.1	37.0	55.6
277	25.4	21.4	32.0





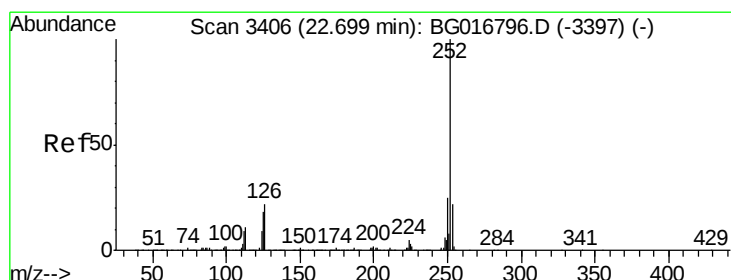
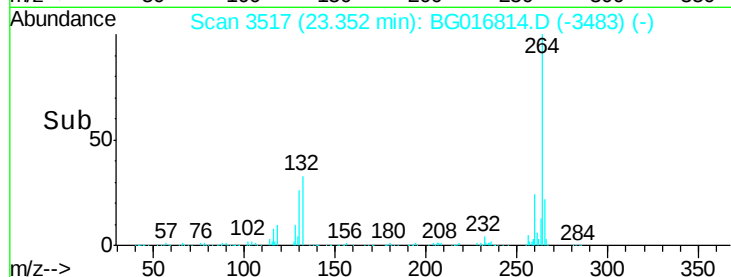
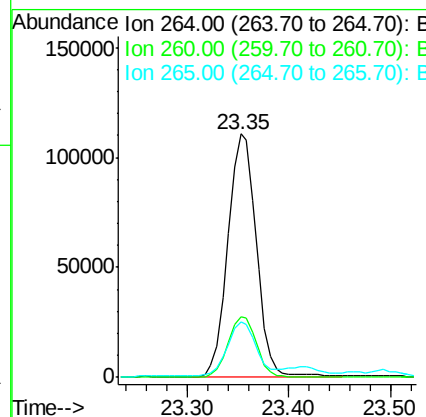
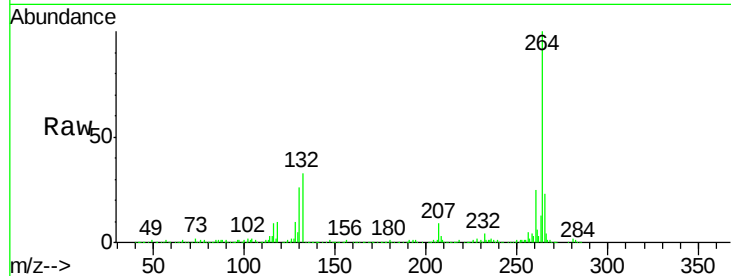
#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.35 min Scan# 3517
Delta R.T. -0.00 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	22.6	17.4	26.2

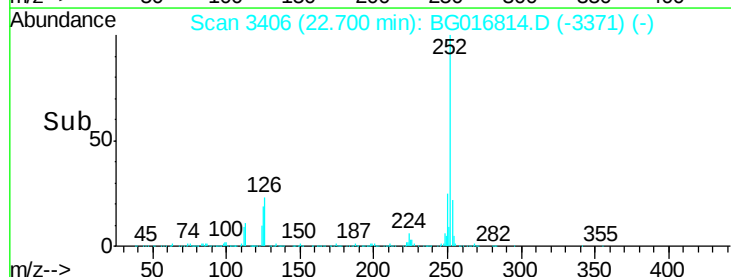
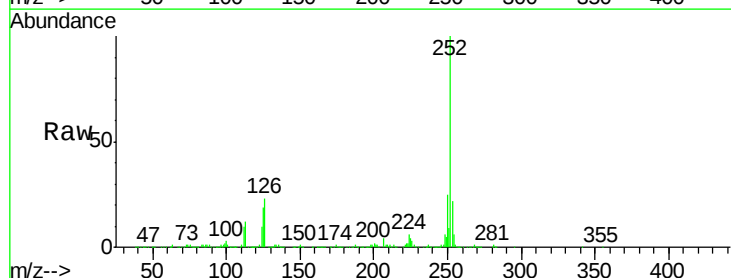
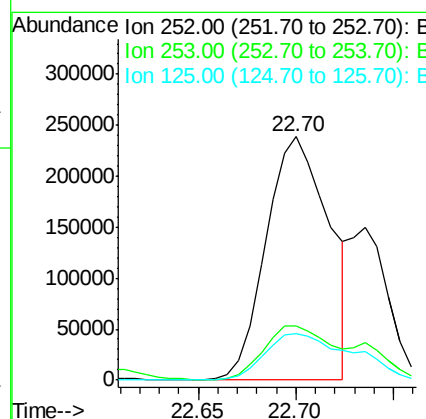
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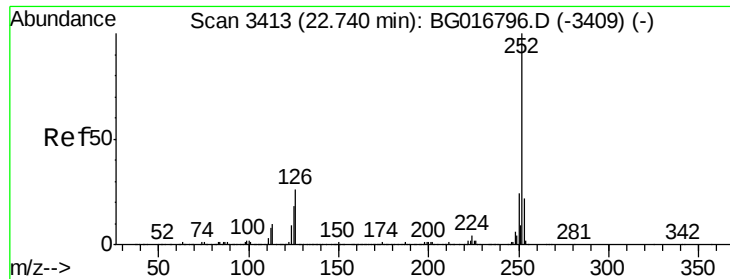
apatel
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#87
Benzo(b)fluoranthene
Concen: 43.48 ng
RT: 22.70 min Scan# 3406
Delta R.T. 0.00 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	19.2	14.2	21.2





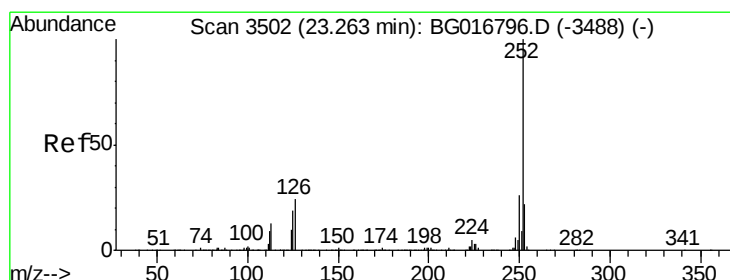
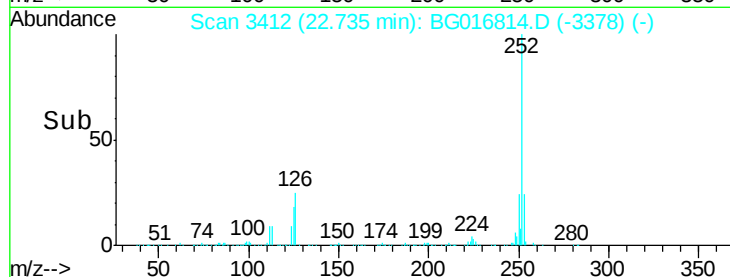
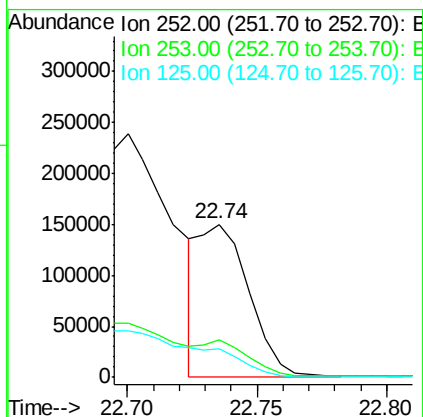
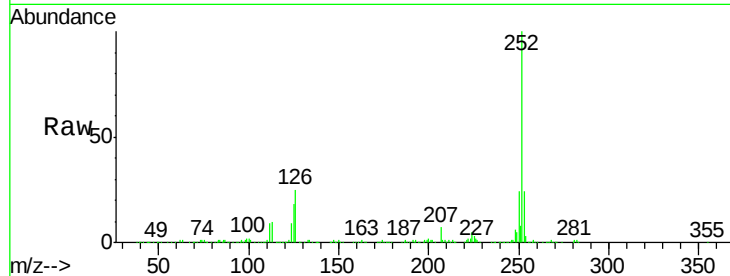
#88
Benzo(k)fluoranthene
Concen: 16.60 ng m
RT: 22.74 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	18.4	14.5	21.7

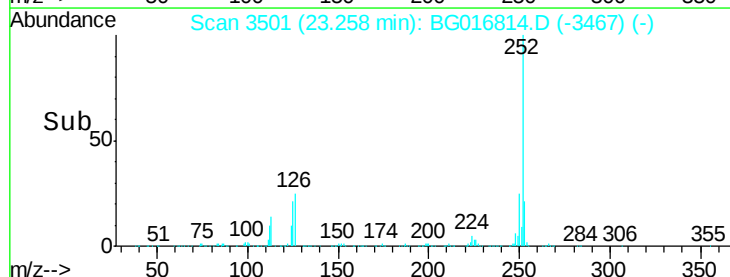
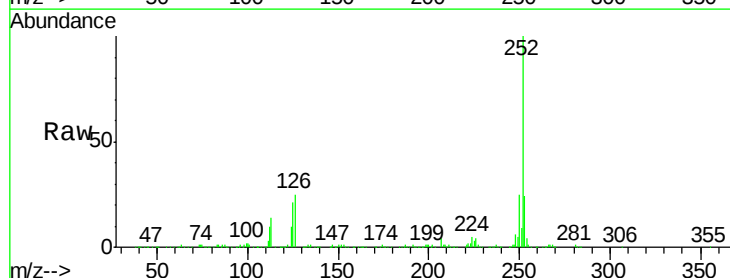
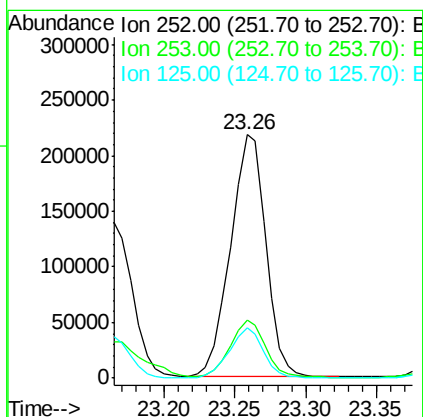
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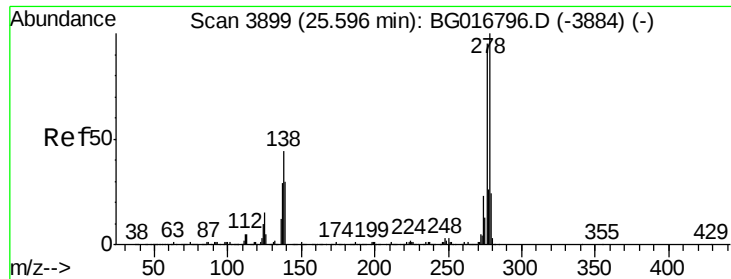
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#89
Benzo(a)pyrene
Concen: 32.88 ng
RT: 23.26 min Scan# 3501
Delta R.T. -0.00 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	20.8	15.0	22.4





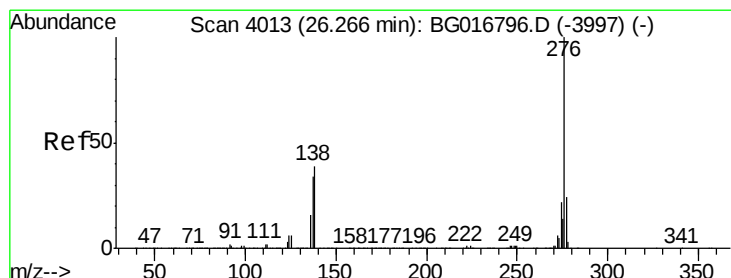
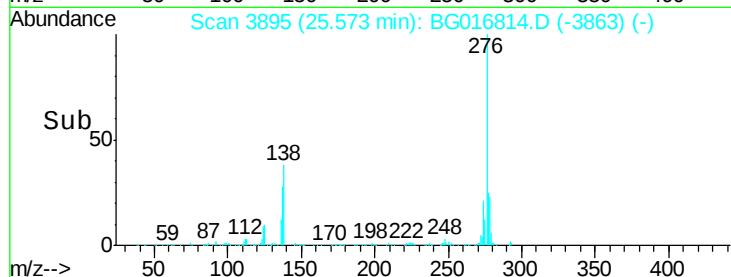
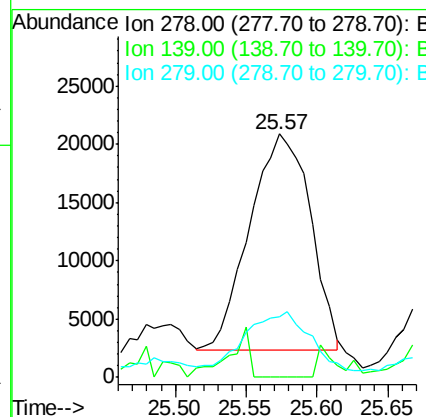
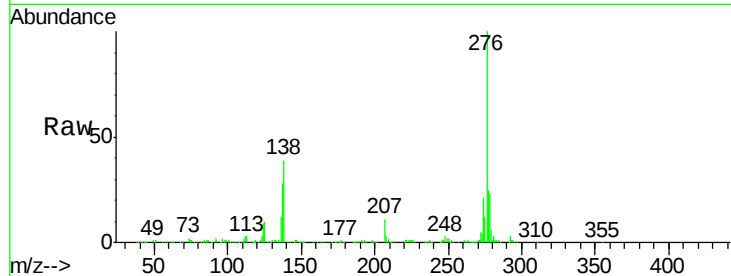
#90
Dibenzo(a,h)anthracene
Concen: 4.71 ng/mL
RT: 25.57 min Scan# 3895
Delta R.T. -0.01 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Instrument :
BNA_G
ClientSampleId :
SB-02-COMPDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	23.9	35.9
279	25.0	19.4	29.0

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#91
Benzo(g,h,i)perylene
Concen: 17.86 ng/mL
RT: 26.25 min Scan# 4011
Delta R.T. -0.01 min
Lab File: BG016814.D
Acq: 30 Apr 2015 2:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	41.5	31.0	46.4

