

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
 Data File : BG016536.D
 Acq On : 19 Apr 2015 00:17
 Operator : TP/IZ
 Sample : G1880-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S1-1-4

Manual Integrations
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Quant Time: Apr 20 11:58:16 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 03:57:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	74357	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	330571	20.00	ng	0.00
38) Acenaphthene-d10	14.30	164	194861	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	385361	20.00	ng	0.00
75) Chrysene-d12	21.22	240	328594	20.00	ng	0.00
86) Perylene-d12	23.45	264	309483	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	340325	72.23	ng	0.00
7) Phenol-d6	6.85	99	482816	68.26	ng	0.00
23) Nitrobenzene-d5	8.82	82	250998	43.99	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	86818	65.88	ng	0.00
44) 2-Fluorobiphenyl	12.92	172	548875	47.96	ng	0.00
78) Terphenyl-d14	19.67	244	612110	43.60	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.49	128	51341	2.98	ng	99
51) Acenaphthene	14.36	154	26061	2.15	ng	98
54) Dibenzofuran	14.70	168	43197	2.57	ng	96
57) Fluorene	15.35	166	45008	3.04	ng	98
70) Phenanthrene	17.08	178	538403	24.84	ng	100
71) Anthracene	17.18	178	129956	6.05	ng	98
72) Carbazole	17.45	167	63274	2.94	ng	98
74) Fluoranthene	19.10	202	569441	25.49	ng	95
77) Pyrene	19.47	202	469305	20.51	ng	99
80) Benzo(a)anthracene	21.21	228	247896	12.76	ng	98
82) Chrysene	21.26	228	212622	11.34	ng	98
85) Indeno(1,2,3-cd)pyrene	25.71	276	121517	6.24	ng	89
87) Benzo(b)fluoranthene	22.78	252	266972m	14.73	ng	
88) Benzo(k)fluoranthene	22.82	252	86731m	4.89	ng	
89) Benzo(a)pyrene	23.35	252	185470	10.92	ng	97
90) Dibenzo(a,h)anthracene	25.71	278	34051m	2.06	ng	
91) Benzo(g,h,i)perylene	26.41	276	116413	7.05	ng	96

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

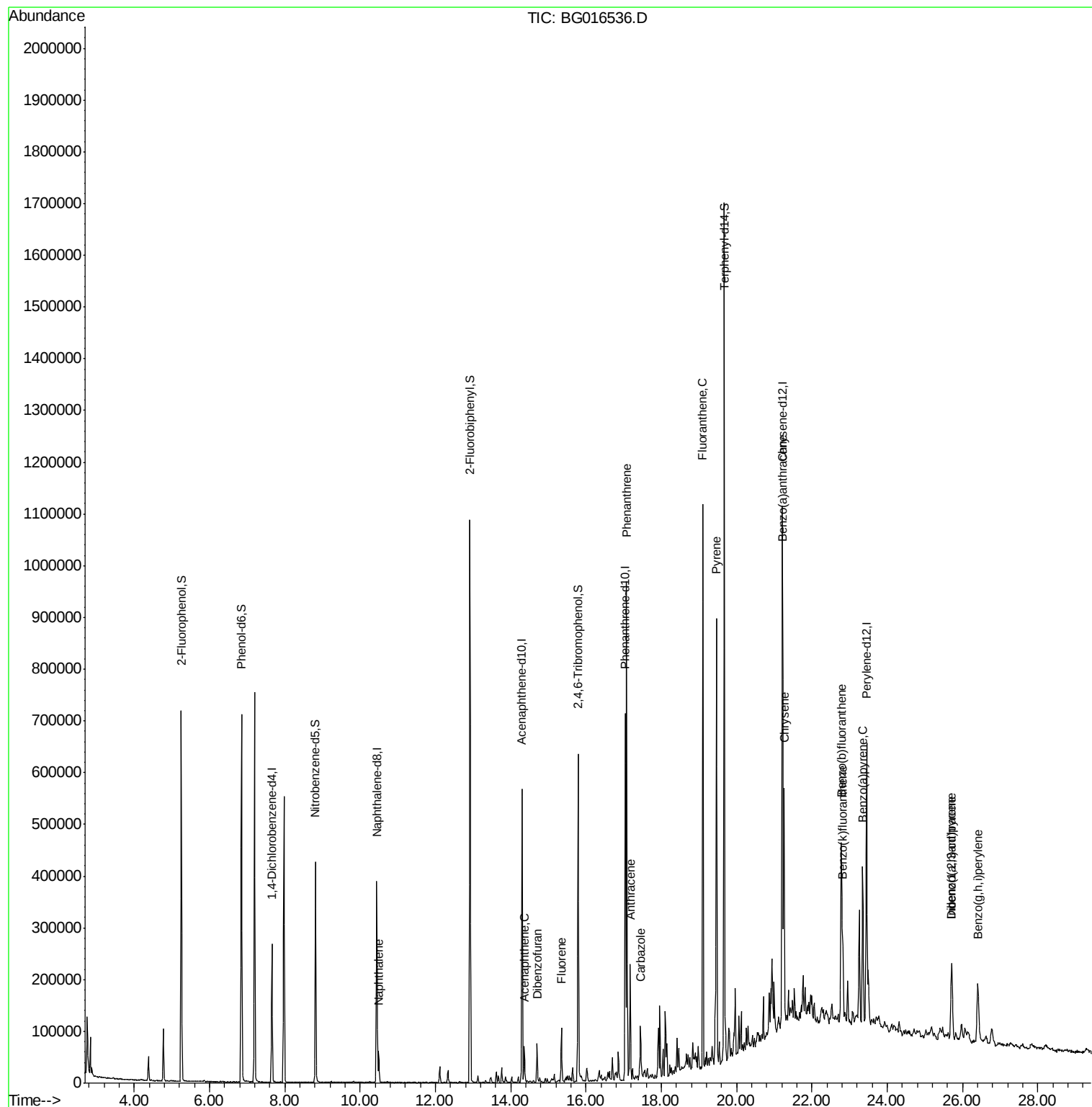
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041715\
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Manual Integrations
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Quant Time: Apr 20 11:58:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 03:57:28 2015
Response via : Initial Calibration





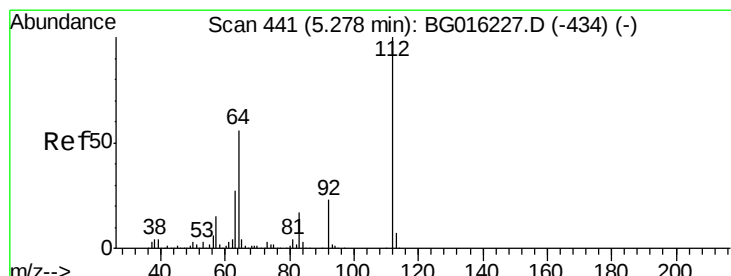
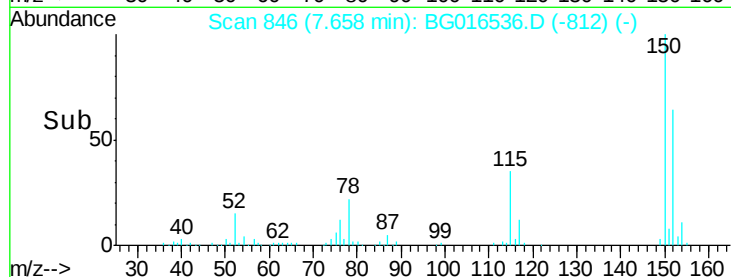
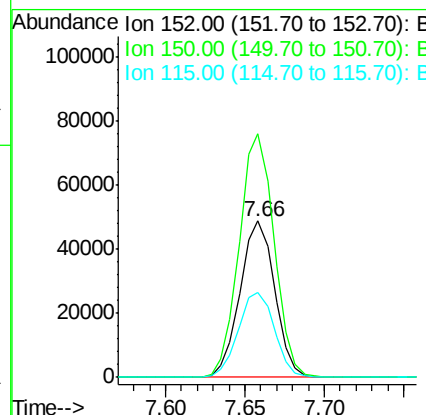
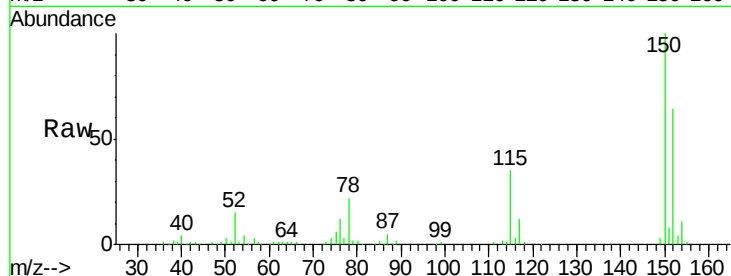
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.66 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Instrument :
 BNA_G
 ClientSampled :
 S1-1-4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.1	130.1	195.1
115	54.4	50.5	75.7

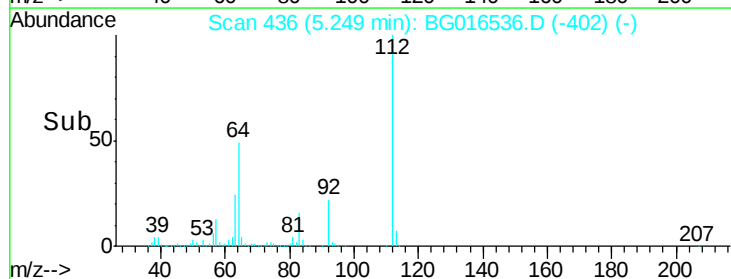
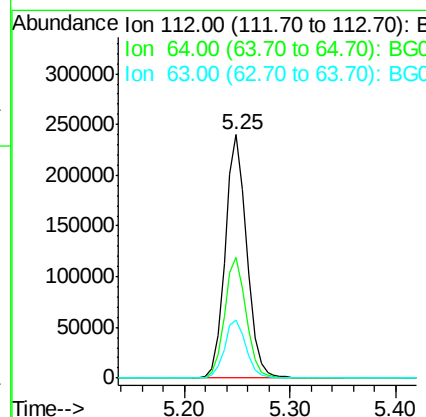
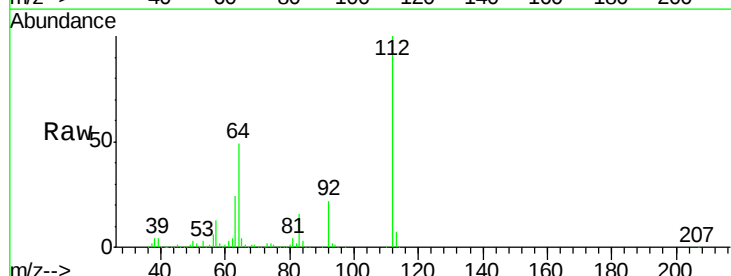
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#5
 2-Fluorophenol
 Concen: 72.23 ng
 RT: 5.25 min Scan# 436
 Delta R.T. -0.00 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.5	44.5	66.7
63	24.0	21.4	32.0





#7

Phenol-d6

Concen: 68.26 ng

RT: 6.85 min Scan# 708

Delta R.T. -0.00 min

Lab File: BG016536.D

Acq: 19 Apr 2015 00:17

Instrument :

BNA_G

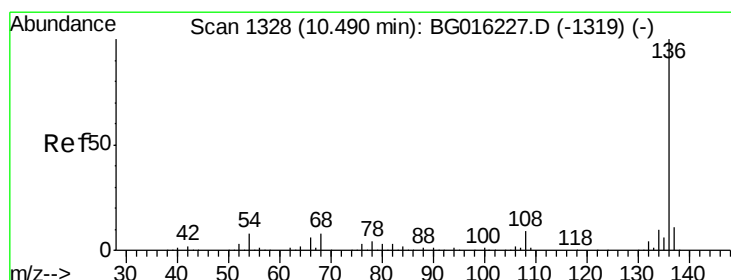
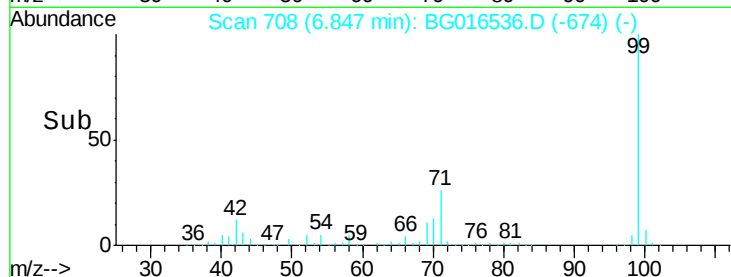
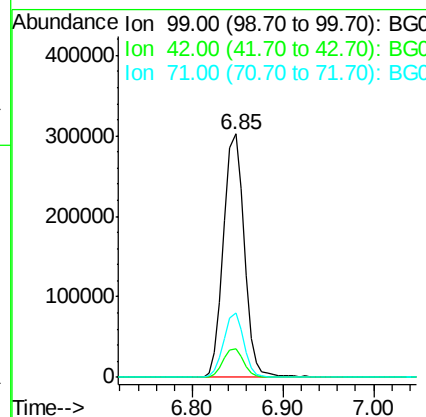
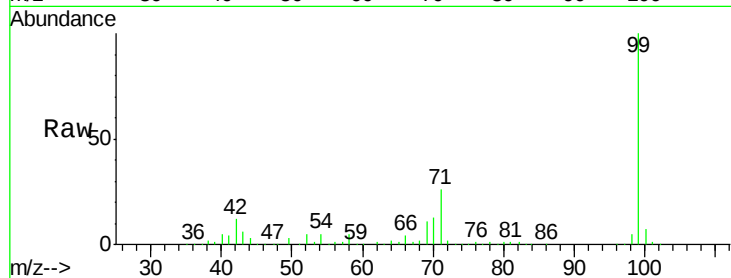
ClientSampleId :

S1-1-4

Tgt Ion:	99	Resp:	482816
Ion Ratio	Lower	Upper	
99	100		
42	11.8	10.0	15.0
71	26.4	21.5	32.3

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#21

Naphthalene-d8

Concen: 20.00 ng

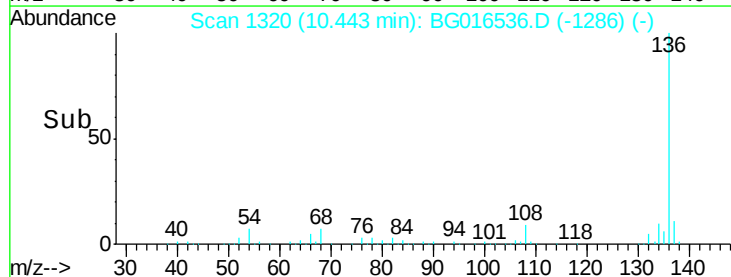
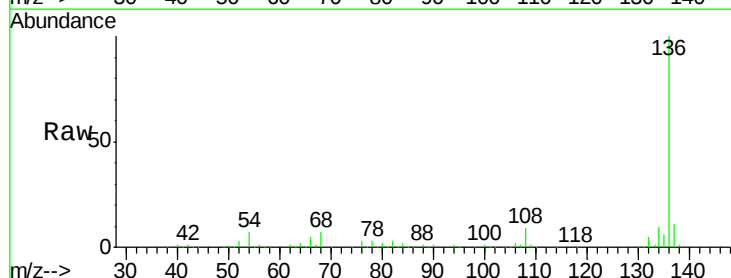
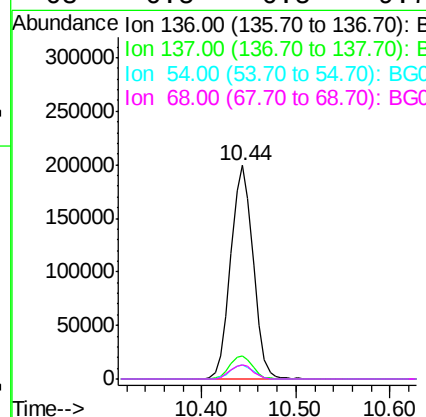
RT: 10.44 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BG016536.D

Acq: 19 Apr 2015 00:17

Tgt Ion:	136	Resp:	330571
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	6.8	6.3	9.5
68	6.5	6.5	9.7





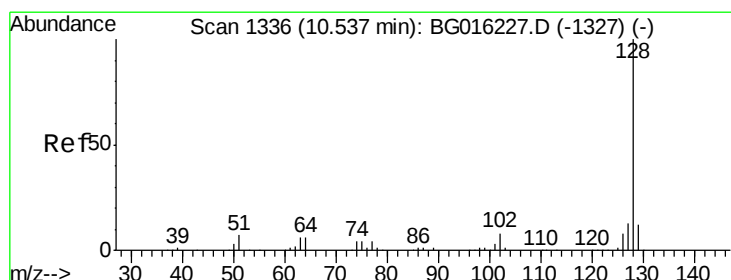
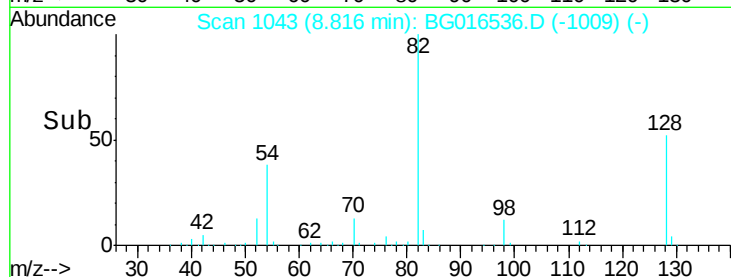
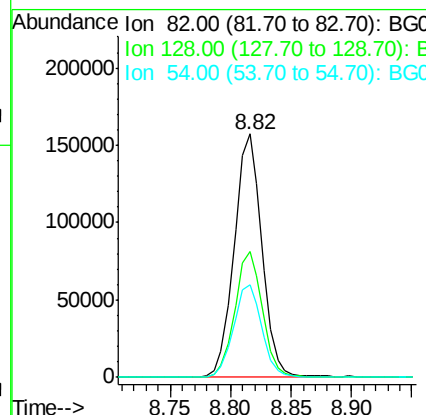
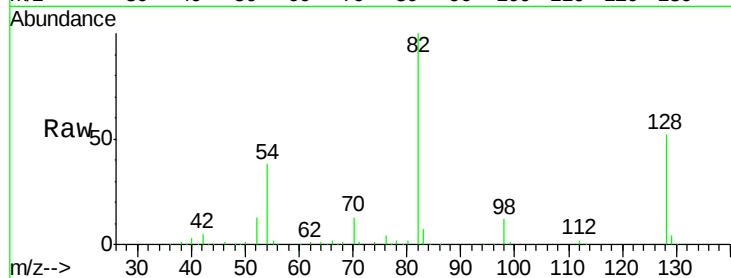
#23
 Nitrobenzene-d5
 Concen: 43.99 ng
 RT: 8.82 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Instrument :
 BNA_G
 ClientSampleId :
 S1-1-4

Tgt Ion	Ratio	Lower	Upper
82	100		
128	51.7	37.8	56.8
54	38.2	32.6	49.0

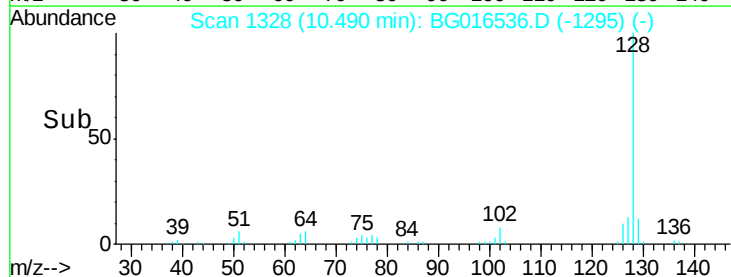
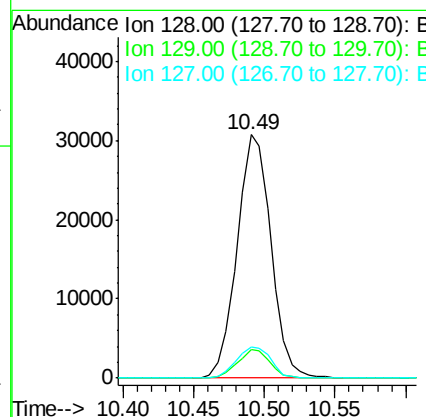
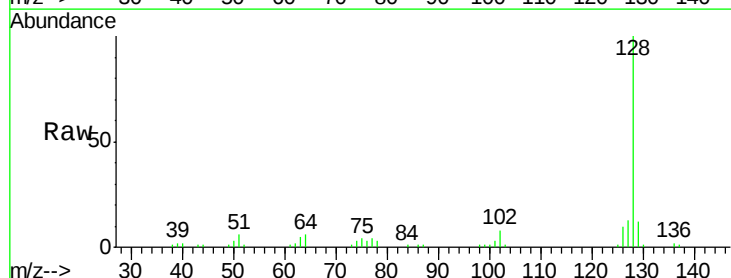
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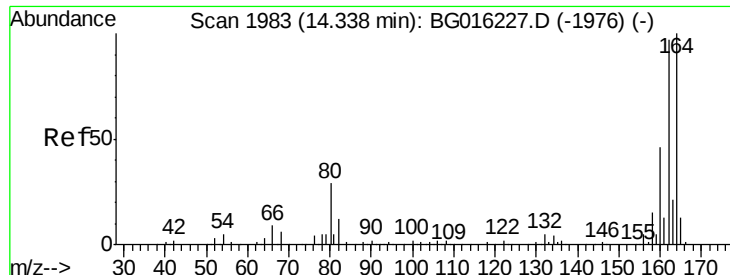
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#31
 Naphthalene
 Concen: 2.98 ng
 RT: 10.49 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.2	13.8
127	12.7	10.6	16.0





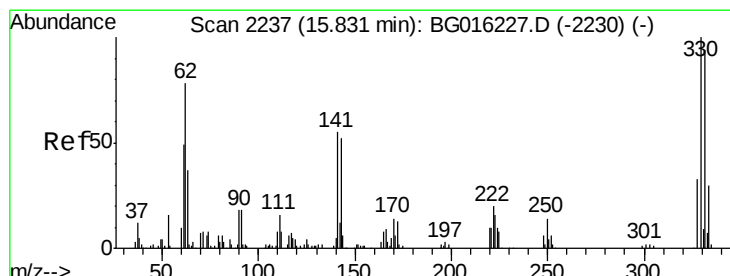
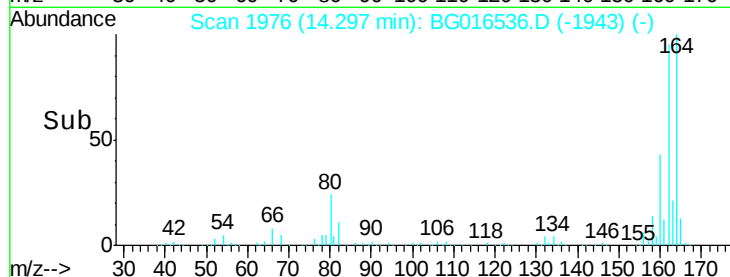
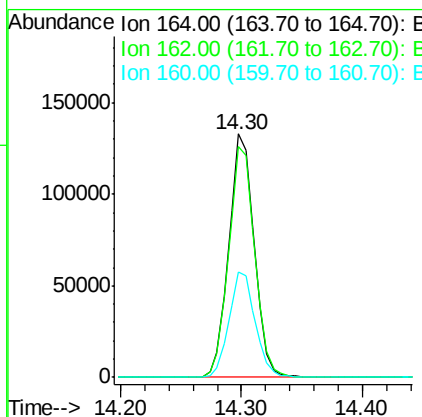
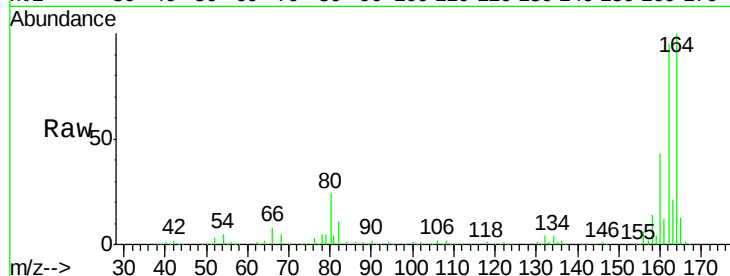
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.30 min Scan# 1976
 Delta R.T. -0.01 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Instrument :
 BNA_G
 ClientSampleId :
 S1-1-4

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194861		
162	95.0	77.3	115.9	
160	43.2	36.7	55.1	

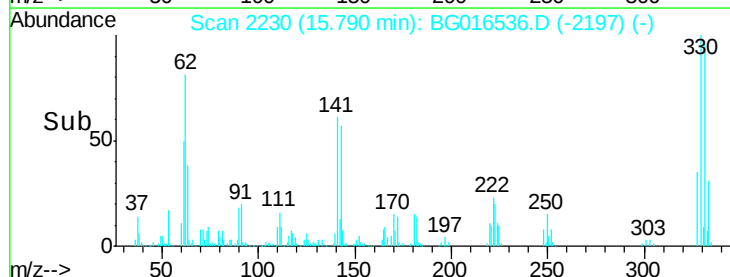
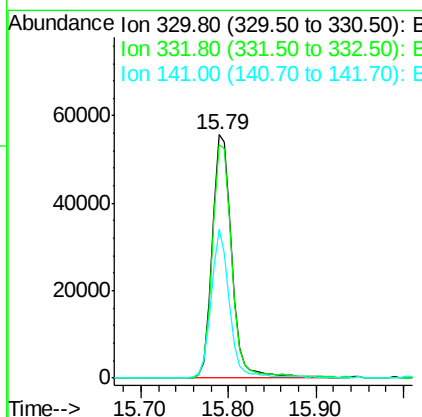
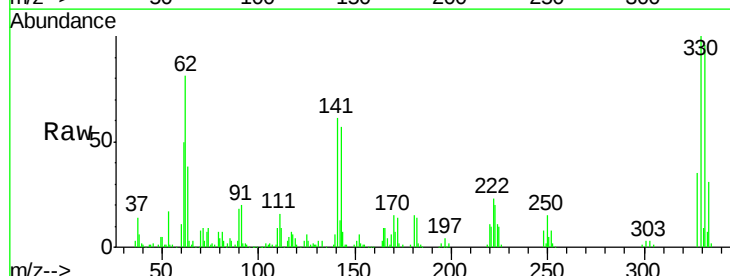
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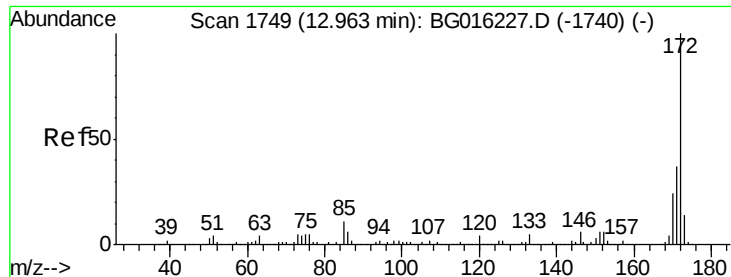
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#41
 2,4,6-Tribromophenol
 Concen: 65.88 ng
 RT: 15.79 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	86818		
332	96.5	75.8	113.6	
141	56.7	46.6	69.8	





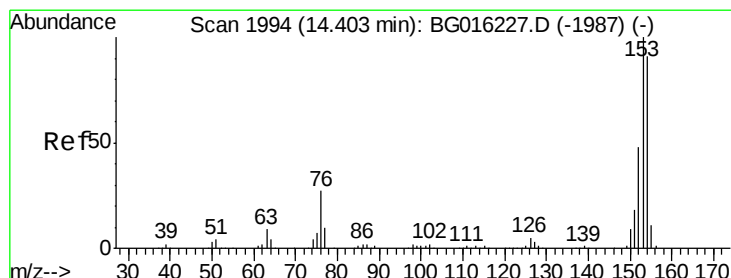
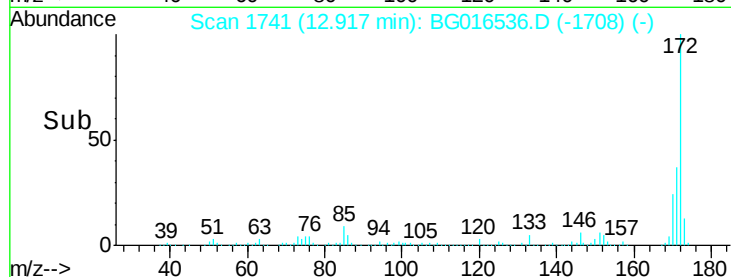
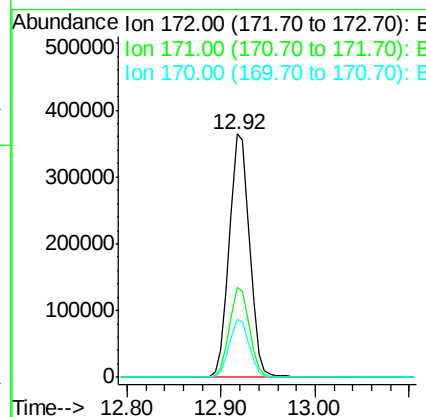
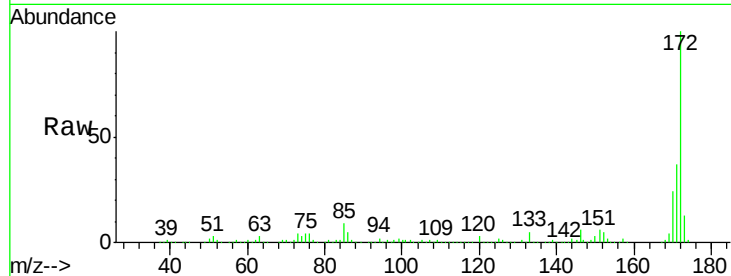
#44
2-Fluorobiphenyl
Concen: 47.96 ng
RT: 12.92 min Scan# 1741
Delta R.T. -0.01 min
Lab File: BG016536.D
Acq: 19 Apr 2015 00:17

Instrument :
BNA_G
ClientSampled :
S1-1-4

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	548875		
171	36.8	29.6	44.4	
170	23.9	19.4	29.2	

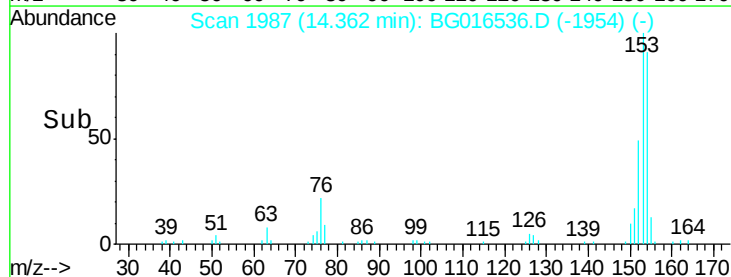
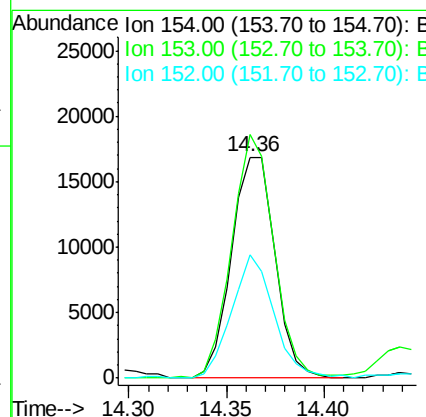
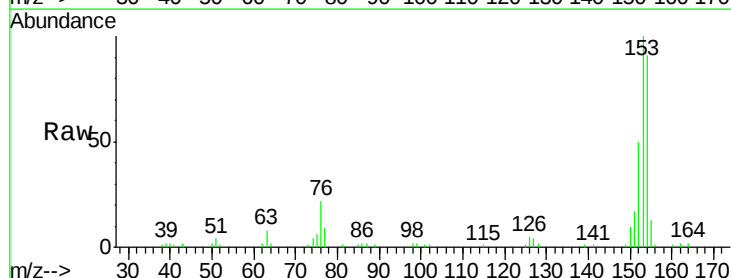
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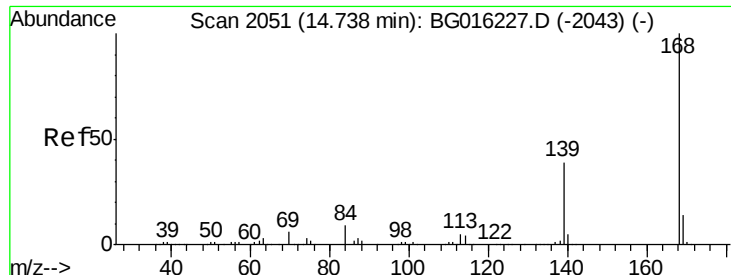
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#51
Acenaphthene
Concen: 2.15 ng
RT: 14.36 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BG016536.D
Acq: 19 Apr 2015 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	26061		
153	110.1	87.5	131.3	
152	55.6	42.1	63.1	





#54

Dibenzenofuran

Concen: 2.57 ng

RT: 14.70 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BG016536.D

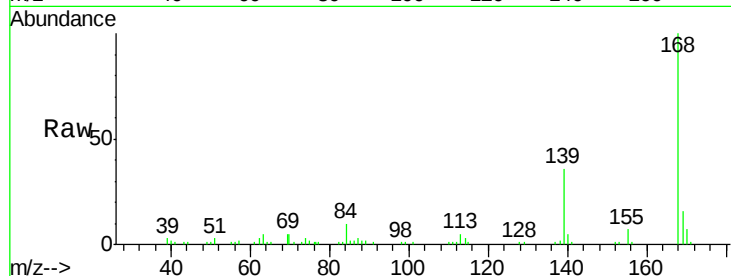
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Instrument :

BNA_G

ClientSampleId :

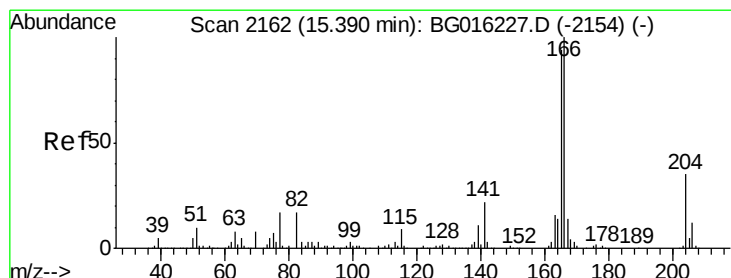
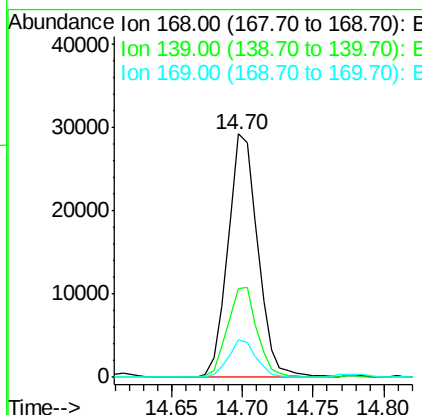
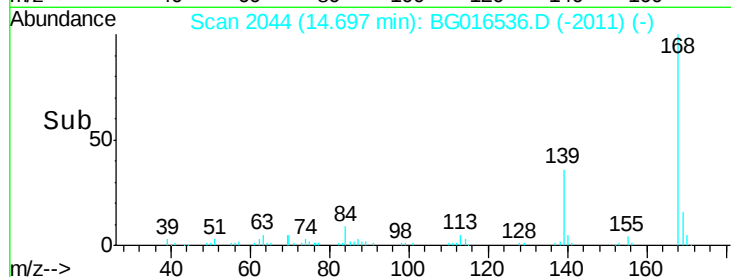
S1-1-4



Tgt Ion:	168	Resp:	43197
Ion Ratio	Lower	Upper	
168	100		
139	36.2	31.0	46.6
169	15.6	11.2	16.8

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#57

Fluorene

Concen: 3.04 ng

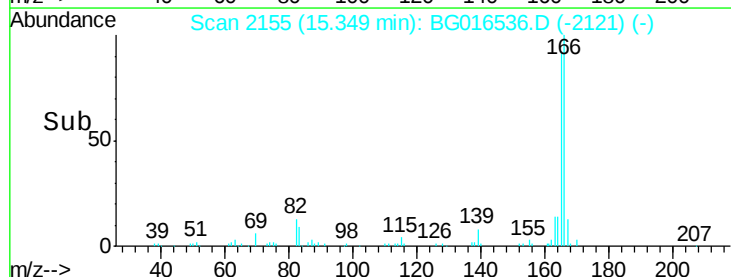
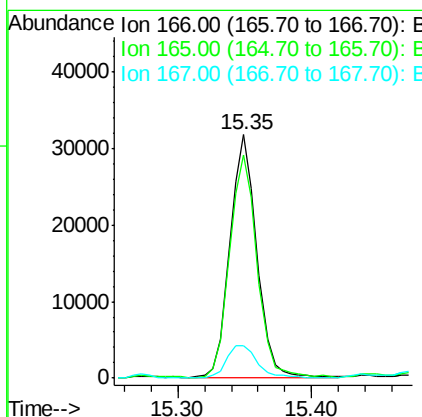
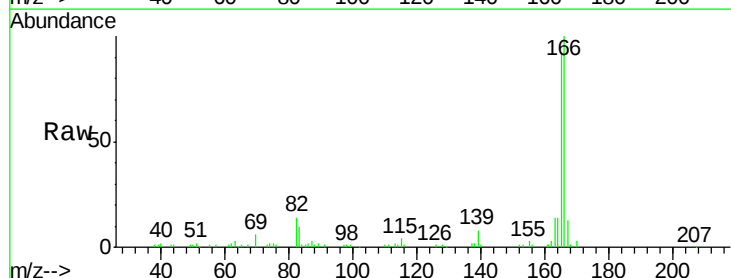
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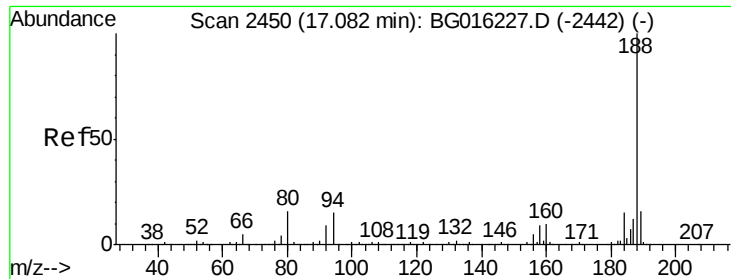
Delta R.T. -0.00 min

Lab File: BG016536.D

Acq: 19 Apr 2015 00:17

Tgt Ion:	166	Resp:	45008
Ion Ratio	Lower	Upper	
166	100		
165	91.8	75.2	112.8
167	13.2	11.3	16.9





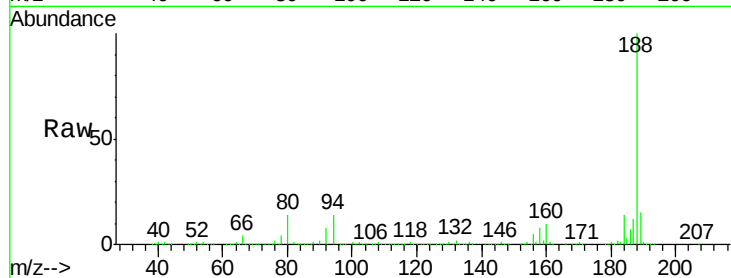
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.04 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Instrument :
 BNA_G
 ClientSampleId :
 S1-1-4

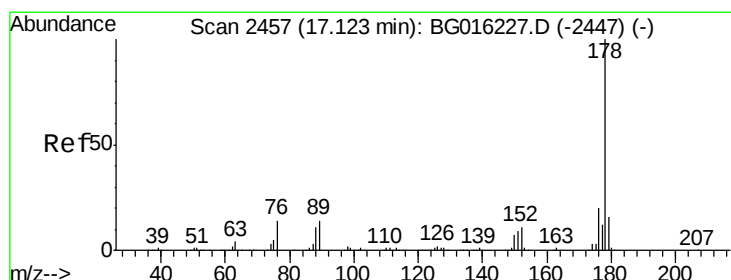
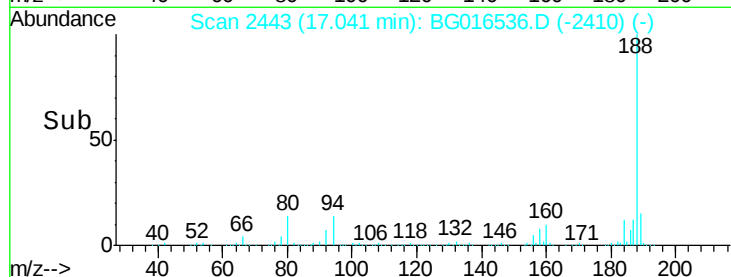
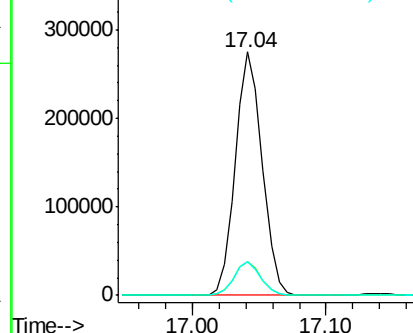
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	385361		
94	14.1	12.2	18.4	
80	13.8	12.8	19.2	

Manual Integrations
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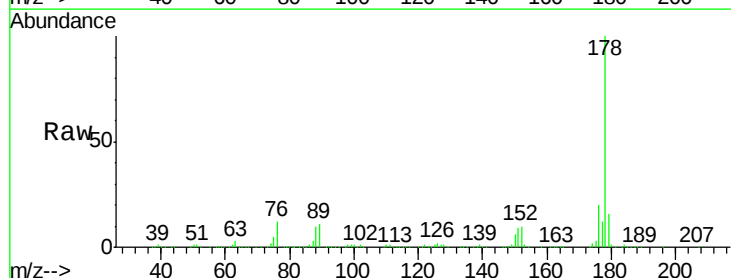


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

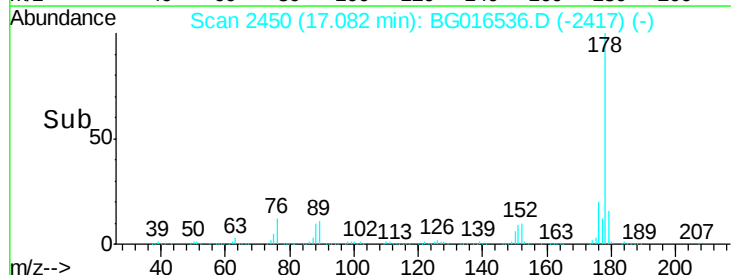
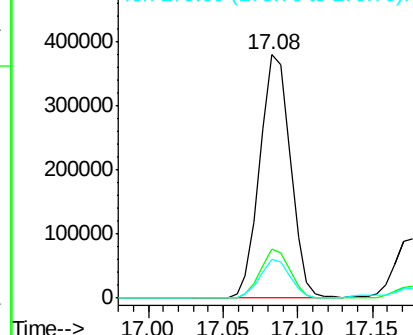


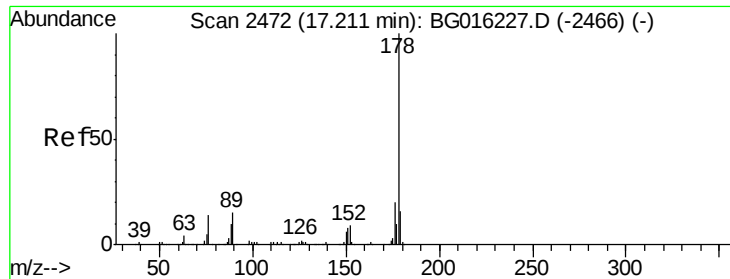
#70
 Phenanthrene
 Concen: 24.84 ng
 RT: 17.08 min Scan# 2450
 Delta R.T. -0.01 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	538403		
176	20.0	16.2	24.4	
179	16.1	12.7	19.1	



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





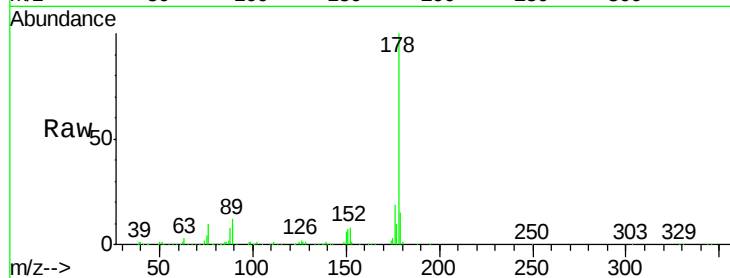
#71
 Anthracene
 Concen: 6.05 ng
 RT: 17.18 min Scan# 2466
 Delta R.T. -0.00 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Instrument :
 BNA_G
 ClientSampled :
 S1-1-4

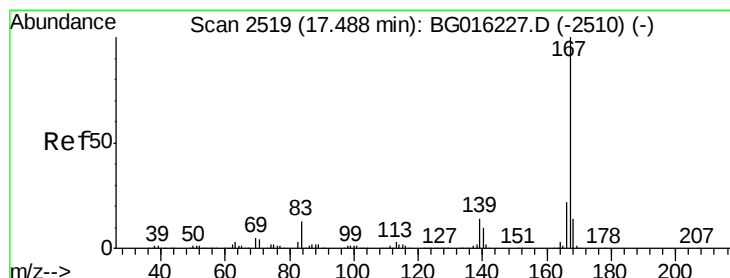
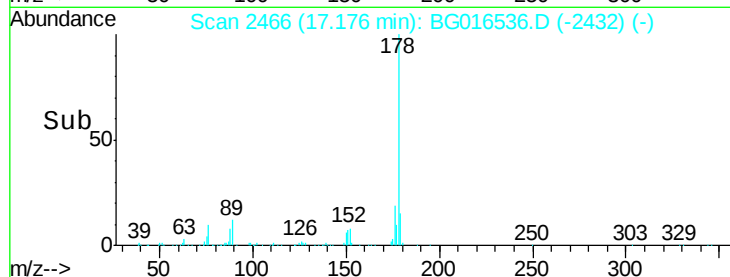
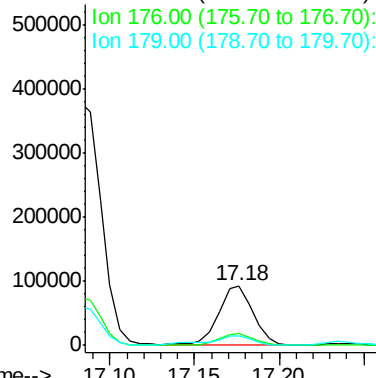
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	15.2	13.0	19.6

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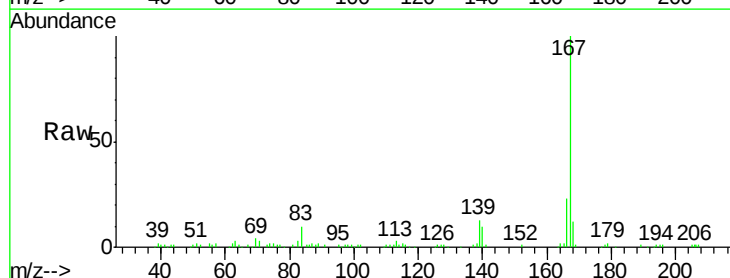


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

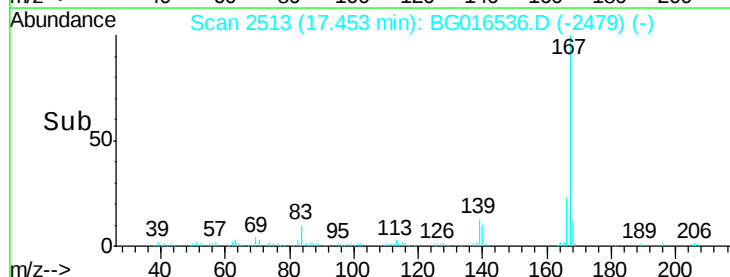
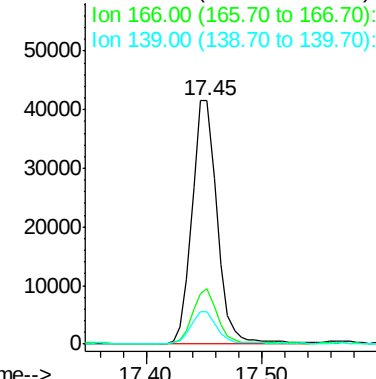


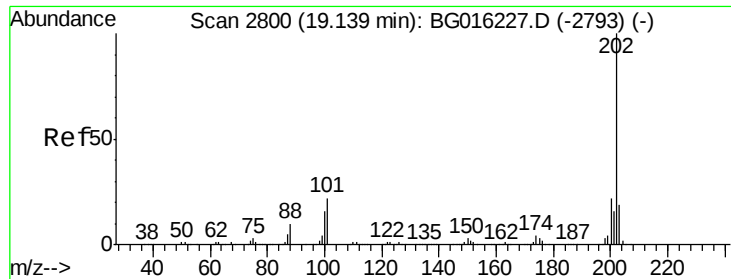
#72
 Carbazole
 Concen: 2.94 ng
 RT: 17.45 min Scan# 2513
 Delta R.T. -0.00 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.9	26.9
139	13.3	11.5	17.3



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 25.49 ng

RT: 19.10 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BG016536.D

Acq: 19 Apr 2015 00:17

Instrument :

BNA_G

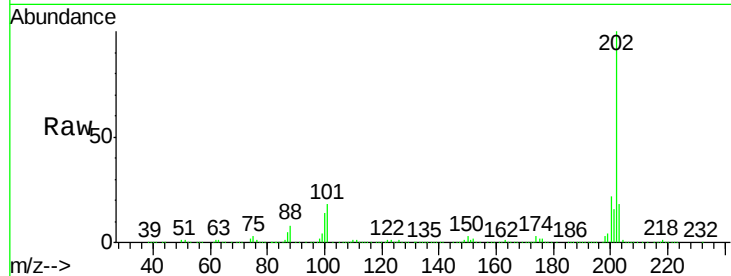
ClientSampled :

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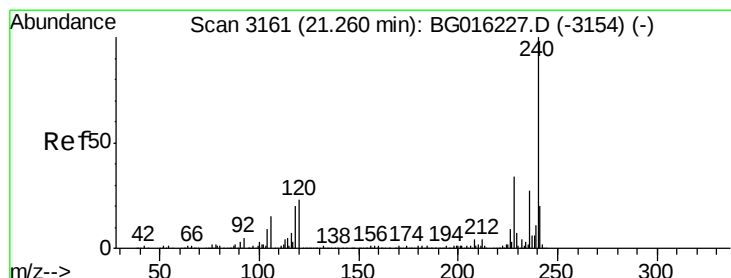
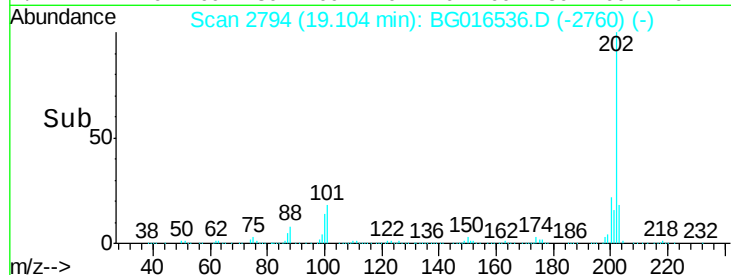
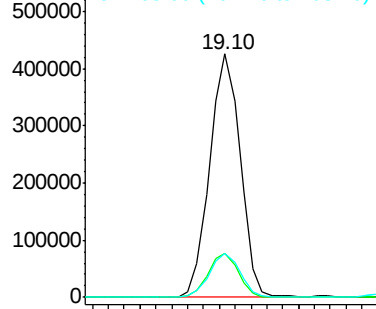
Tgt	Ion	202	Resp:	569441
Ion	Ratio	Lower	Upper	
202	100			
101	18.2	1.7	41.7	
203	18.1	0.0	38.7	

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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

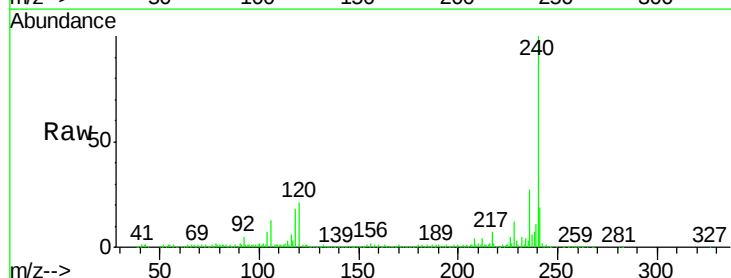
RT: 21.22 min Scan# 3155

Delta R.T. -0.01 min

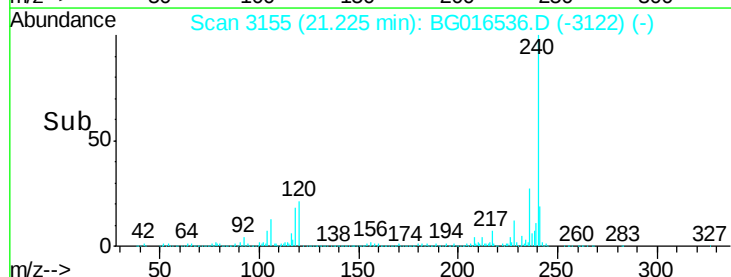
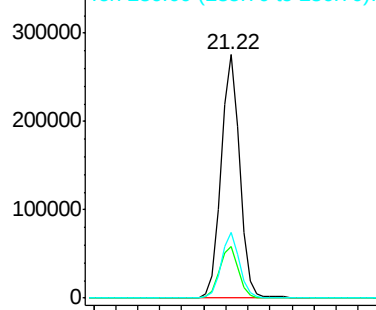
Lab File: BG016536.D

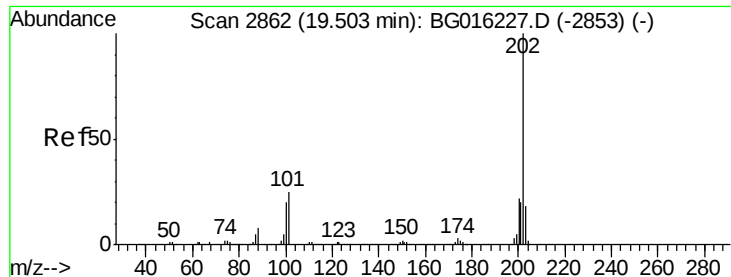
Acq: 19 Apr 2015 00:17

Tgt	Ion	240	Resp:	328594
Ion	Ratio	Lower	Upper	
240	100			
120	21.3	18.6	28.0	
236	26.7	21.7	32.5	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 20.51 ng

RT: 19.47 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG016536.D

Acq: 19 Apr 2015 00:17

Instrument :

BNA_G

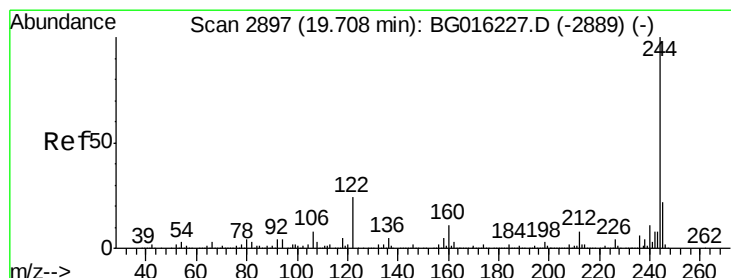
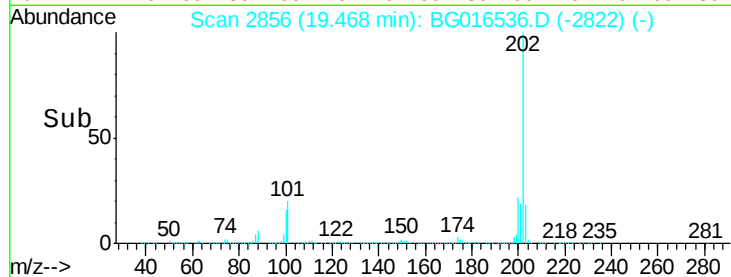
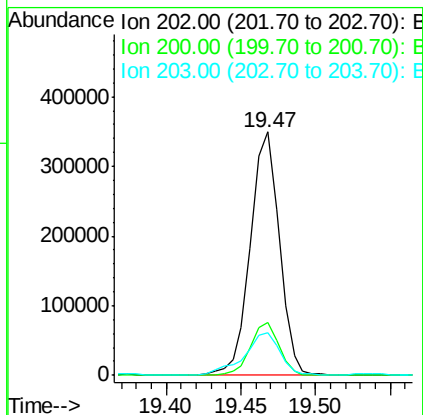
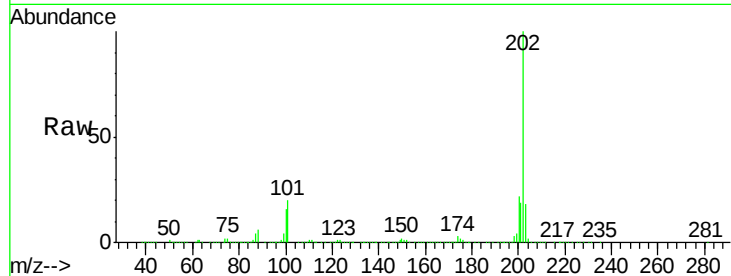
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	469305		
200	21.7	17.8	26.8	
203	17.8	14.7	22.1	

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#78

Terphenyl-d14

Concen: 43.60 ng

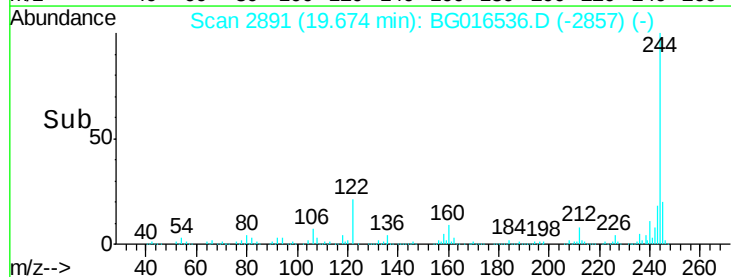
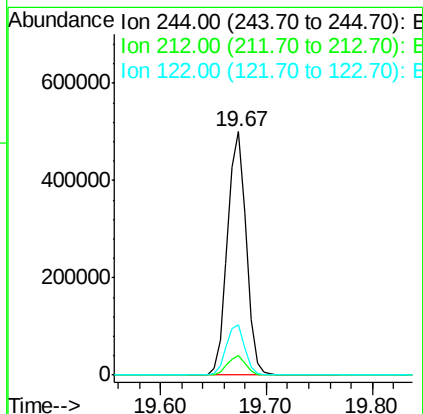
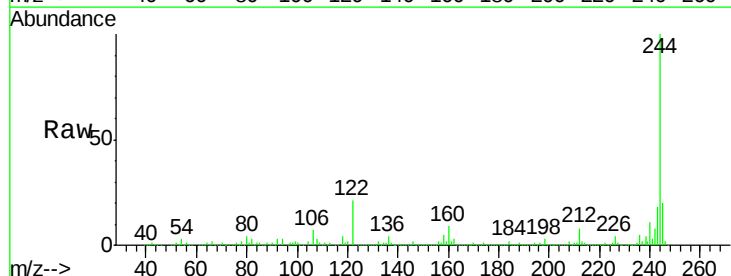
RT: 19.67 min Scan# 2891

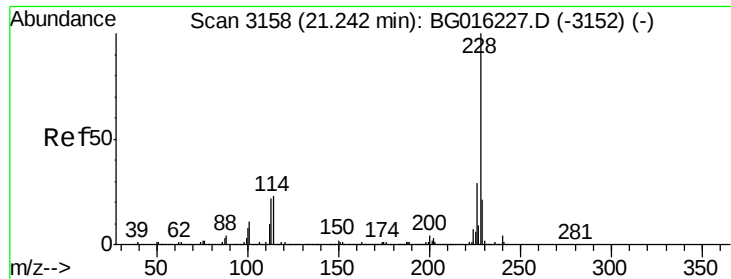
Delta R.T. -0.00 min

Lab File: BG016536.D

Acq: 19 Apr 2015 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	612110		
212	7.8	6.6	9.8	
122	20.9	19.1	28.7	





#80

Benzo(a)anthracene

Concen: 12.76 ng

RT: 21.21 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG016536.D

Acq: 19 Apr 2015 00:17

Instrument :

BNA_G

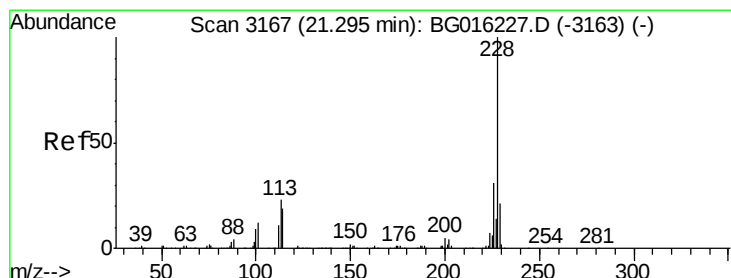
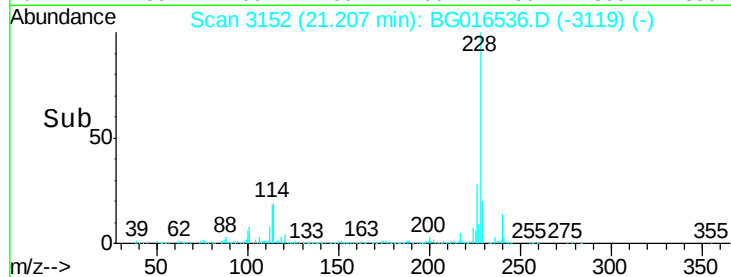
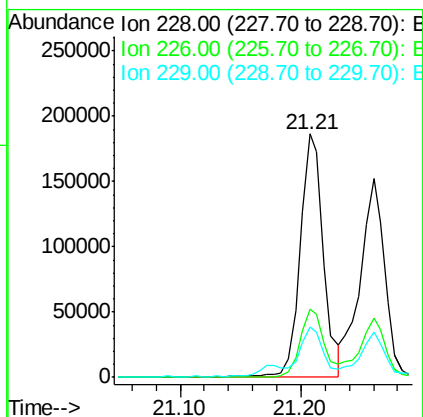
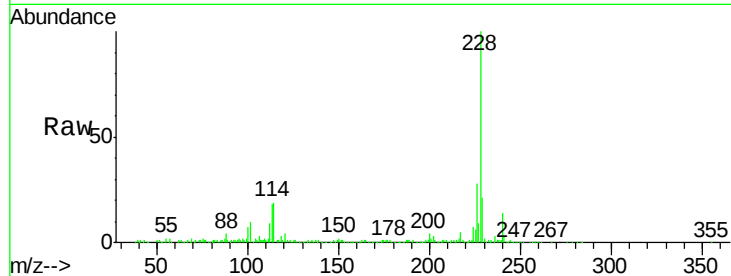
ClientSampleId :

S1-1-4

Tgt Ion:	228	Resp:	247896
Ion Ratio	Lower	Upper	
228	100		
226	28.0	23.5	35.3
229	20.5	16.8	25.2

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#82

Chrysene

Concen: 11.34 ng

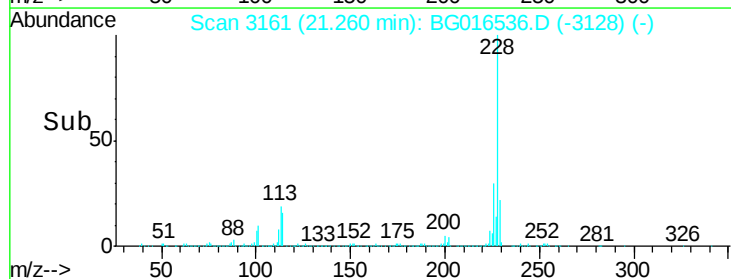
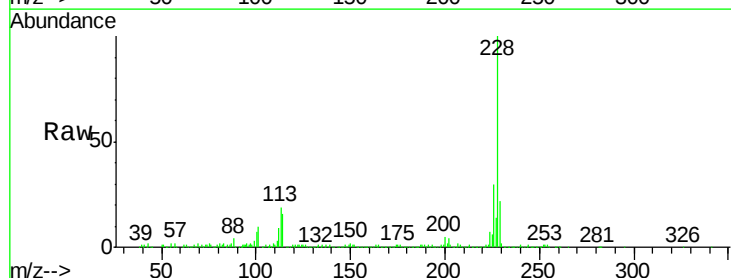
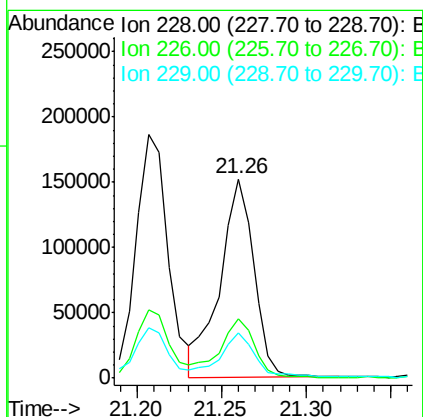
RT: 21.26 min Scan# 3161

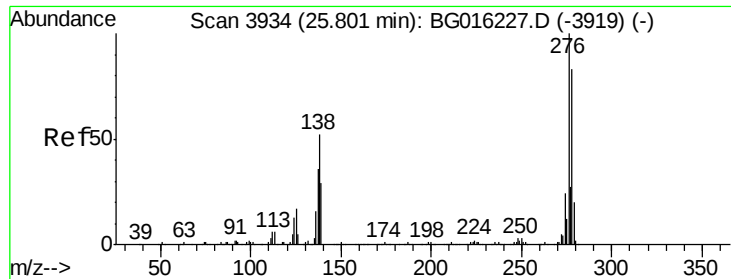
Delta R.T. -0.01 min

Lab File: BG016536.D

Acq: 19 Apr 2015 00:17

Tgt Ion:	228	Resp:	212622
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.4
229	22.5	17.0	25.4





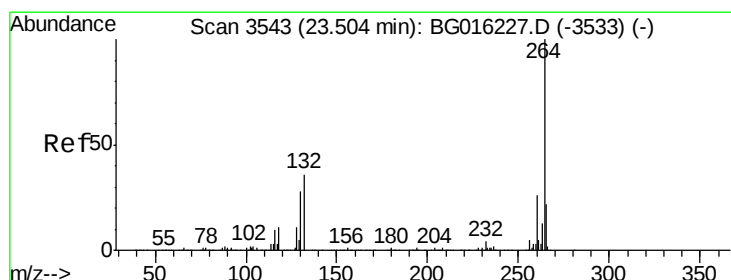
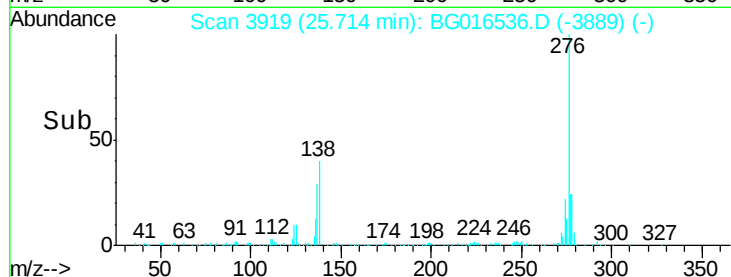
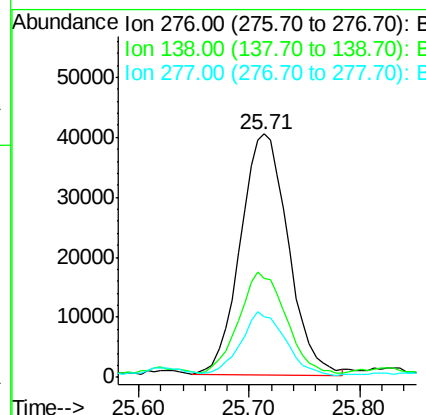
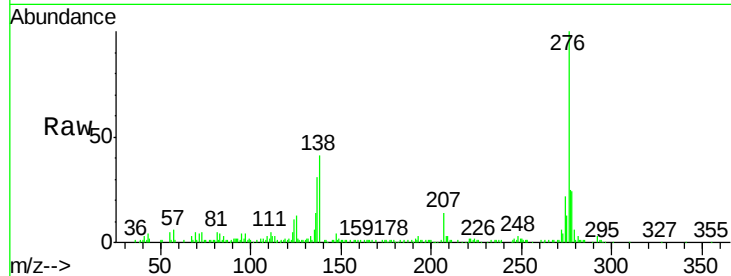
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.24 ng
 RT: 25.71 min Scan# 3919
 Delta R.T. -0.02 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Instrument :
 BNA_G
 ClientSampled :
 S1-1-4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	41.6	41.5	62.3
277	24.2	21.0	31.6

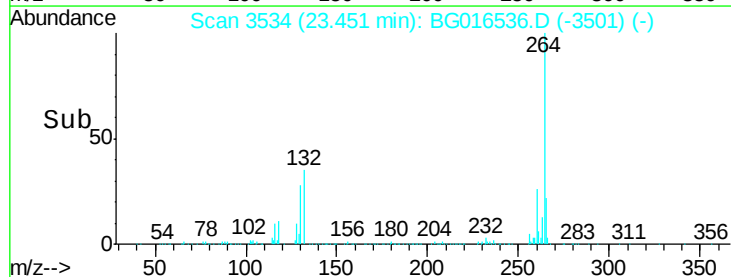
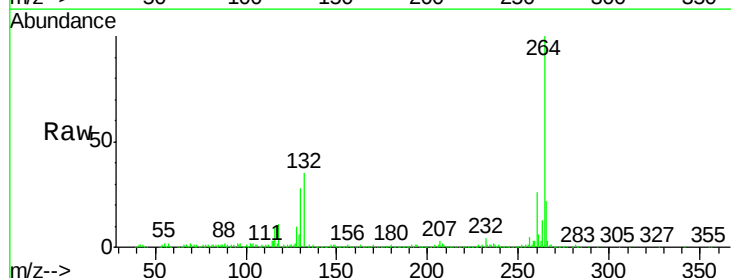
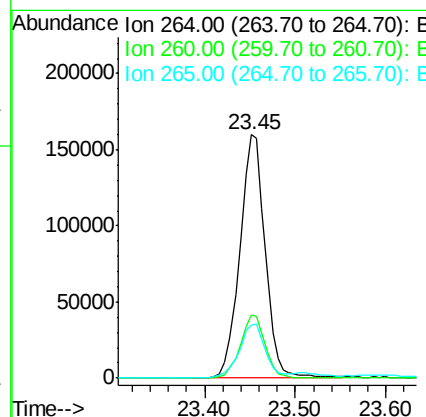
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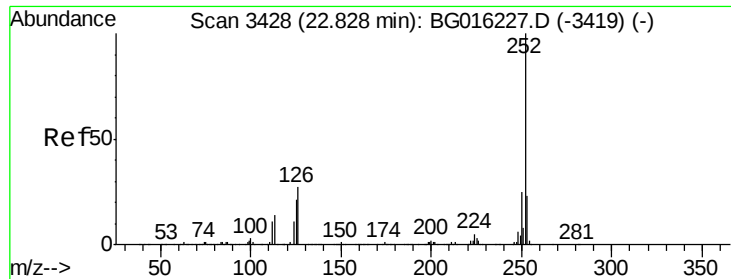
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.45 min Scan# 3534
 Delta R.T. -0.01 min
 Lab File: BG016536.D
 Acq: 19 Apr 2015 00:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.4	30.6
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 14.73 ng m

RT: 22.78 min Scan# 3420

Delta R.T. -0.01 min

Lab File: BG016536.D

Acq: 19 Apr 2015 00:17

Instrument :

BNA_G

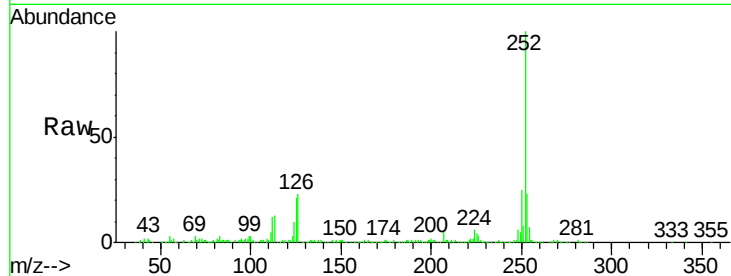
ClientSampleId :

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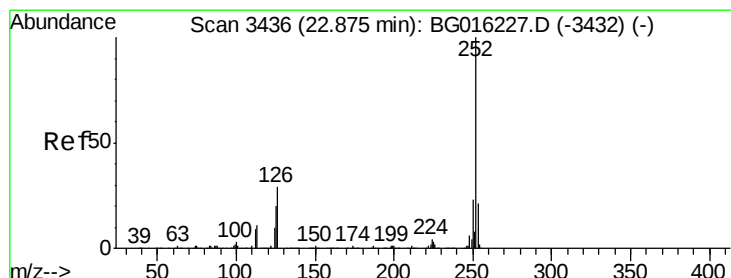
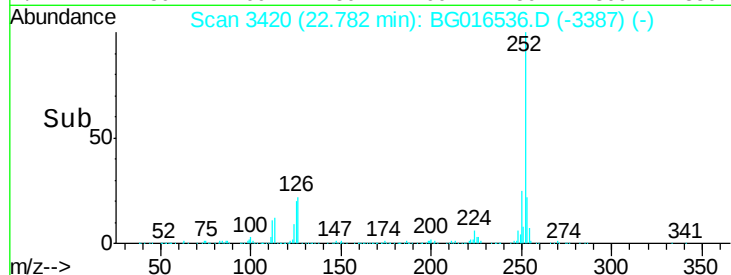
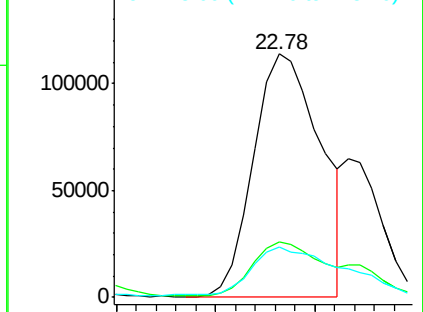
Tgt Ion:	252	Resp:	266972
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.5	27.7
125	20.8	17.0	25.6

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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: 4.89 ng m

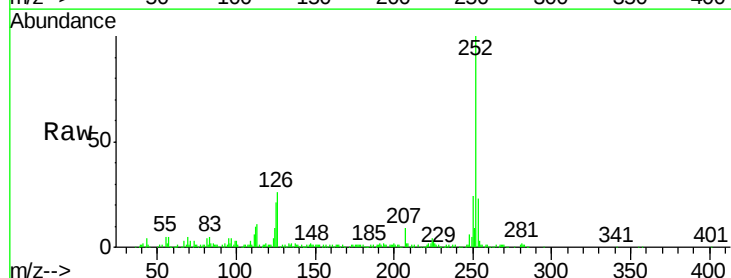
RT: 22.82 min Scan# 3426

Delta R.T. -0.01 min

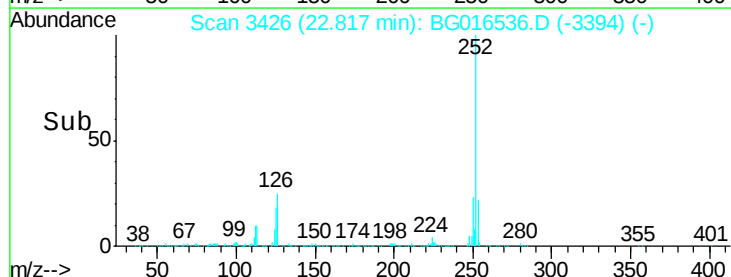
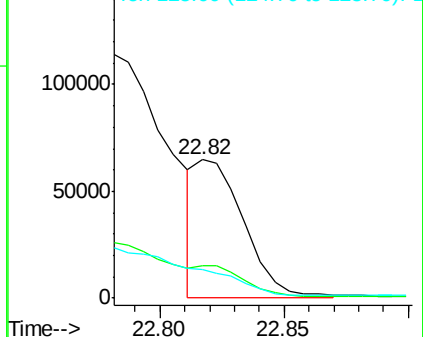
Lab File: BG016536.D

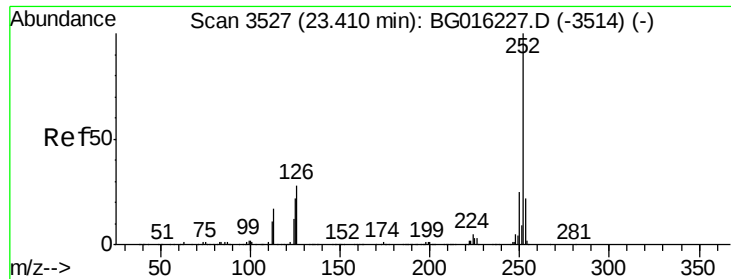
Acq: 19 Apr 2015 00:17

Tgt Ion:	252	Resp:	86731
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.5	26.3
125	20.5	16.3	24.5



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: 10.92 ng

RT: 23.35 min Scan# 3517

Delta R.T. -0.01 min

Lab File: BG016536.D

Acq: 19 Apr 2015 00:17

Instrument :

BNA_G

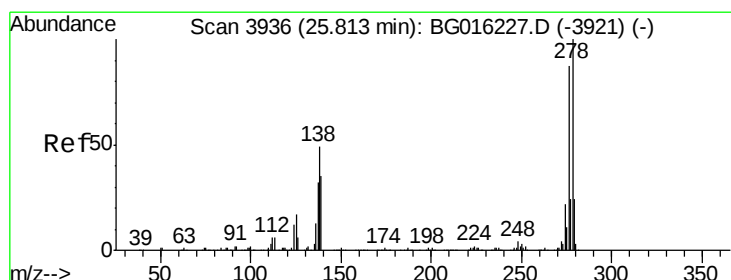
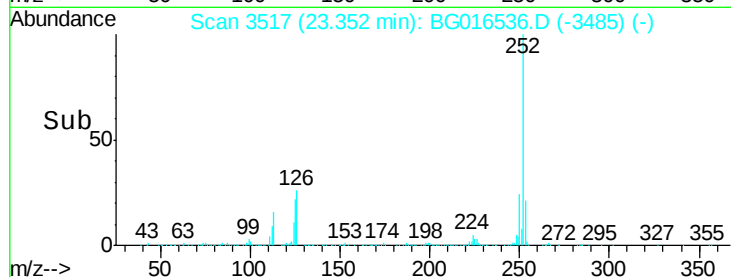
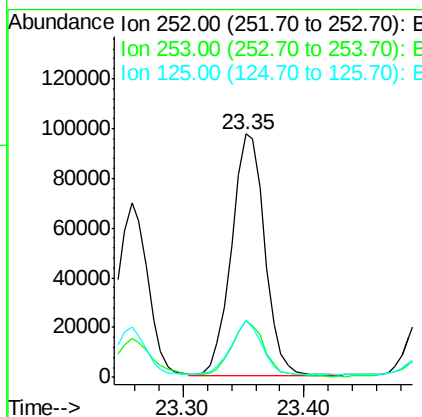
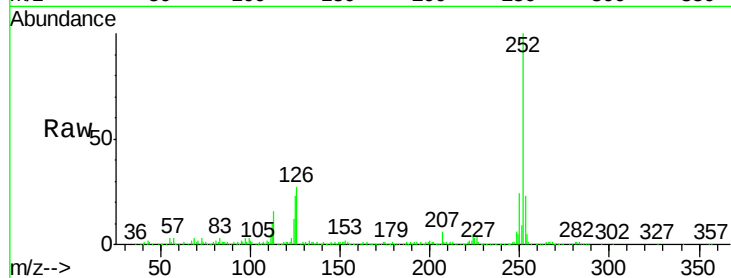
ClientSampleId :

S1-1-4

Tgt Ion:	252	Resp:	185470
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.6	26.4
125	23.3	17.6	26.4

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#90

Dibenzo(a,h)anthracene

Concen: 2.06 ng m

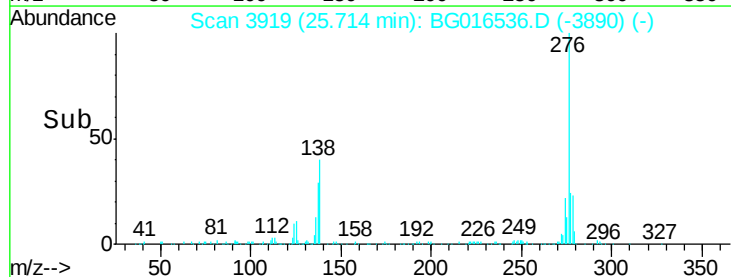
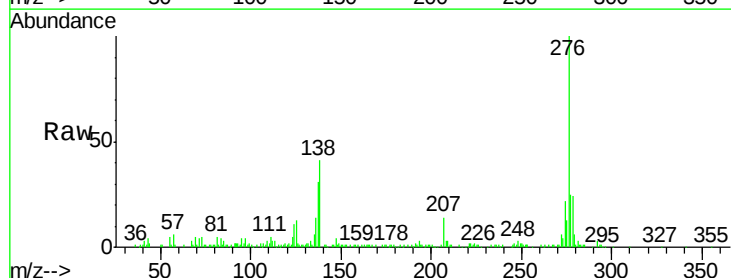
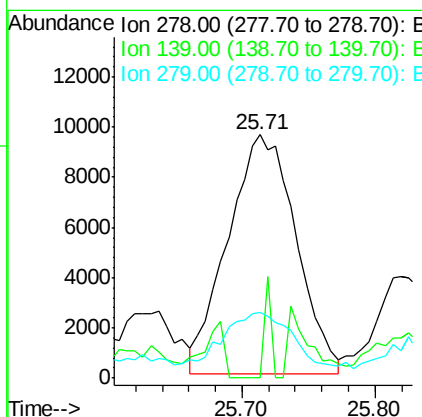
RT: 25.71 min Scan# 3919

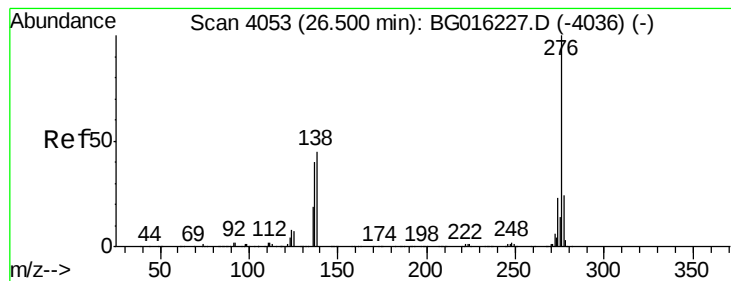
Delta R.T. -0.03 min

Lab File: BG016536.D

Acq: 19 Apr 2015 00:17

Tgt Ion:	278	Resp:	34051
Ion Ratio	Lower	Upper	
278	100		
139	0.0	27.9	41.9#
279	26.8	19.5	29.3





#91

Benzo(g,h,i)perylene

Concen: 7.05 ng

RT: 26.41 min Scan# 4038

Delta R.T. -0.02 min

Lab File: BG016536.D

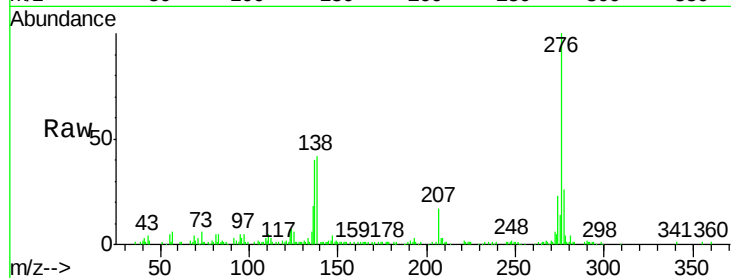
Acq: 19 Apr 2015 00:17

Instrument :

BNA_G

ClientSampleId :

S1-1-4



Tgt Ion:	276	Resp:	116413
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.5	29.3
138	42.1	35.7	53.5

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