

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
 Data File : BG016817.D
 Acq On : 30 Apr 2015 3:47
 Operator : TP/IZ
 Sample : G2031-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB5

Manual Integrations
 APPROVED

apatel
 5/1/2015 8:57:53 AM

Quant Time: Apr 30 04:39:05 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	55405	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	250742	20.00	ng	0.00
38) Acenaphthene-d10	14.22	164	149460	20.00	ng	0.00
63) Phenanthrene-d10	16.97	188	286021	20.00	ng	0.00
75) Chrysene-d12	21.16	240	246957	20.00	ng	0.00
86) Perylene-d12	23.36	264	239531	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	317425	105.53	ng	0.00
7) Phenol-d6	6.77	99	443928	105.15	ng	0.00
23) Nitrobenzene-d5	8.73	82	223661	58.11	ng	0.00
41) 2,4,6-Tribromophenol	15.72	330	99401	89.30	ng	0.00
44) 2-Fluorobiphenyl	12.84	172	550914	57.07	ng	0.00
78) Terphenyl-d14	19.60	244	582169	56.86	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.68	163	27330	2.55	ng	97
70) Phenanthrene	17.01	178	125771	8.13	ng	97
74) Fluoranthene	19.03	202	217858	13.10	ng	99
77) Pyrene	19.40	202	202756	12.56	ng	99
80) Benzo(a)anthracene	21.14	228	100400	7.04	ng	98
82) Chrysene	21.19	228	97465	7.22	ng	96
83) Bis(2-ethylhexyl)phthalate	21.08	149	75626	6.68	ng	100
85) Indeno(1,2,3-cd)pyrene	25.57	276	60148	3.92	ng	92
87) Benzo(b)fluoranthene	22.70	252	124091	9.10	ng	# 96
88) Benzo(k)fluoranthene	22.73	252	42493m	3.18	ng	
89) Benzo(a)pyrene	23.26	252	89051	6.90	ng	97
91) Benzo(a,h,i)perylene	26.25	276	59584	4.55	ng	98

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

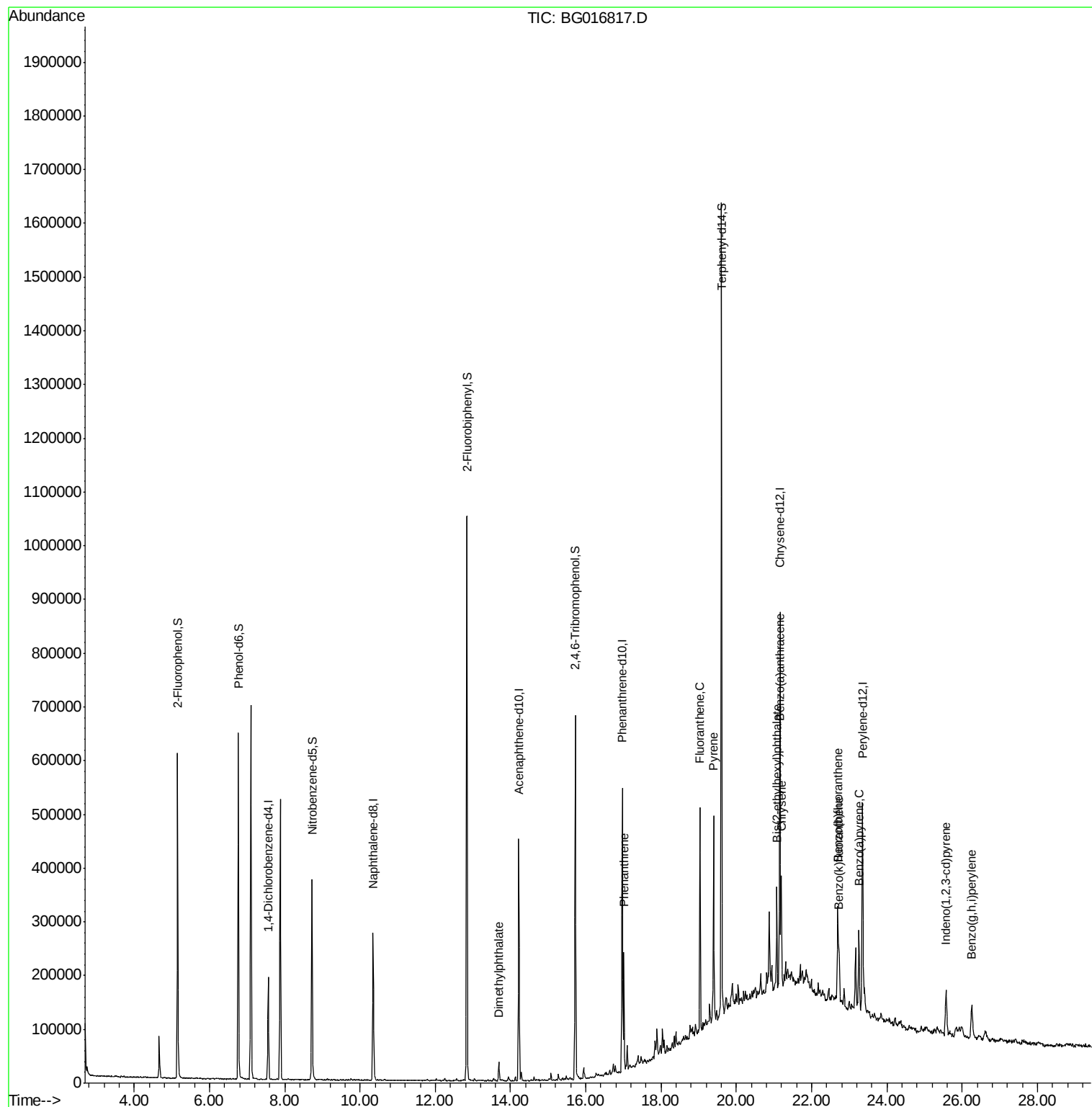
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042915\
Data File : BG016817.D
Acq On : 30 Apr 2015 3:47
Operator : TP/IZ
Sample : G2031-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

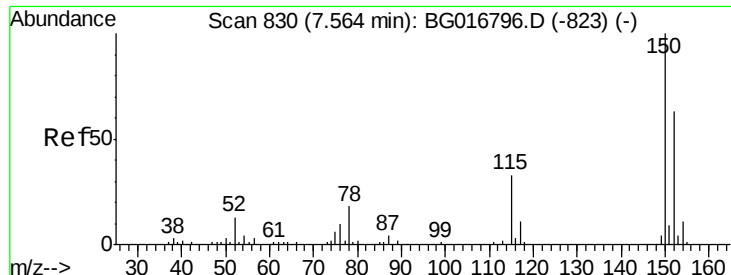
Instrument :
BNA_G
ClientSampleId :
SB5

Manual Integrations
APPROVED

apatel
5/1/2015 8:57:53 AM

Quant Time: Apr 30 04:39:05 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 30 02:30:36 2015
Response via : Initial Calibration





#1

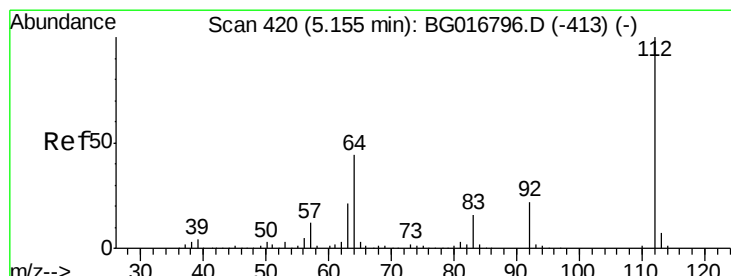
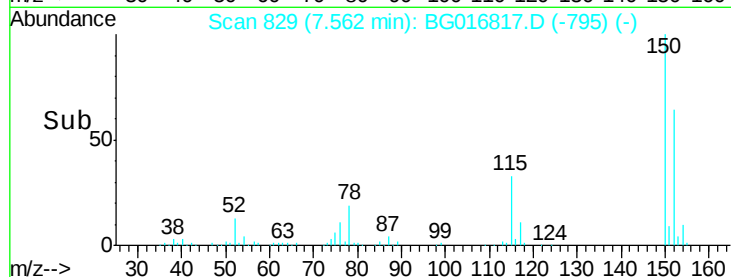
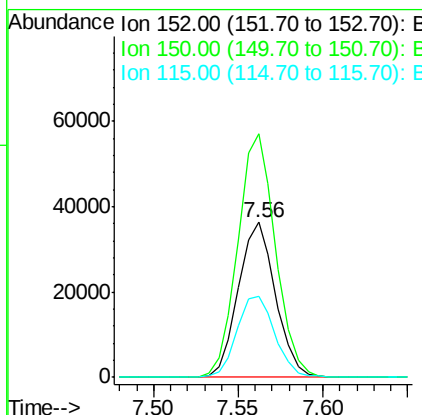
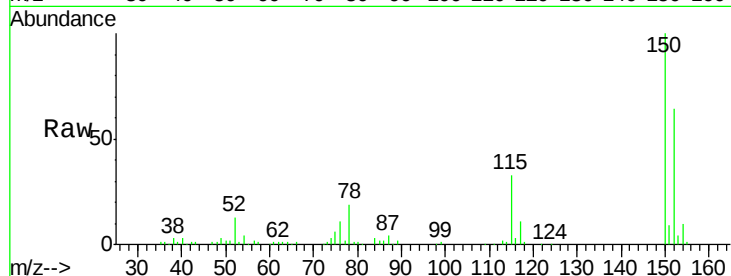
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 829
Delta R.T. 0.00 min
Lab File: BG016817.D
Acq: 30 Apr 2015 3:47

Instrument :
BNA_G
ClientSampleId :
SB5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.4
115	51.9	41.1	61.7

Manual Integrations
APPROVED

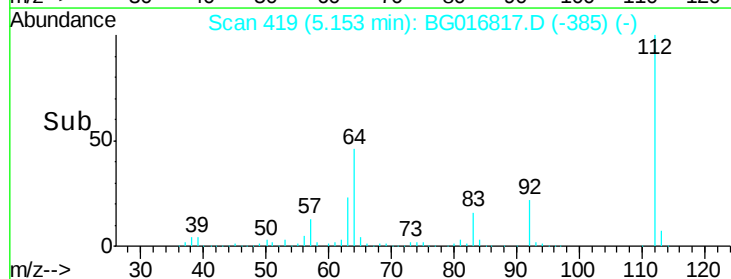
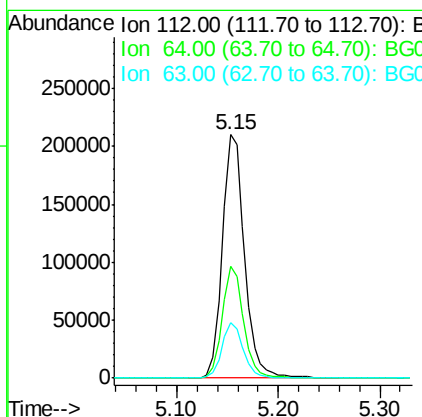
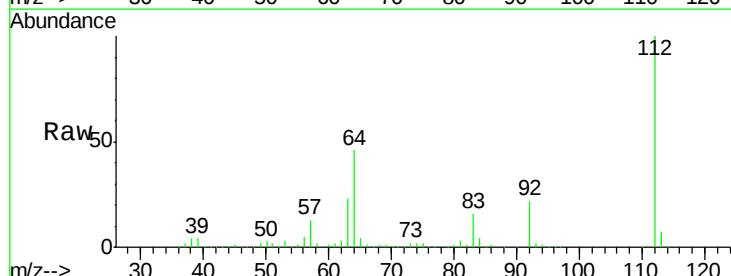
apatel
5/1/2015 8:57:53 AM

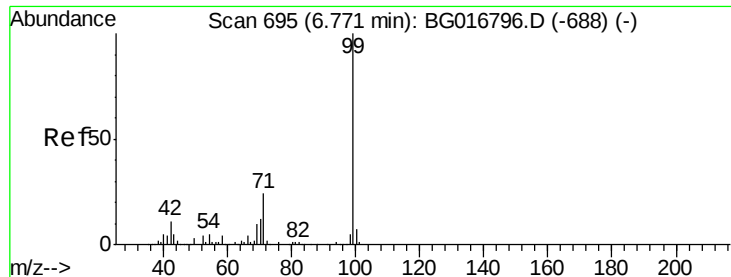


#5

2-Fluorophenol
Concen: 105.53 ng
RT: 5.15 min Scan# 419
Delta R.T. 0.00 min
Lab File: BG016817.D
Acq: 30 Apr 2015 3:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.2	35.5	53.3
63	22.8	17.2	25.8





#7

Phenol-d6

Concen: 105.15 ng

RT: 6.77 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG016817.D

Acq: 30 Apr 2015 3:47

Instrument :

BNA_G

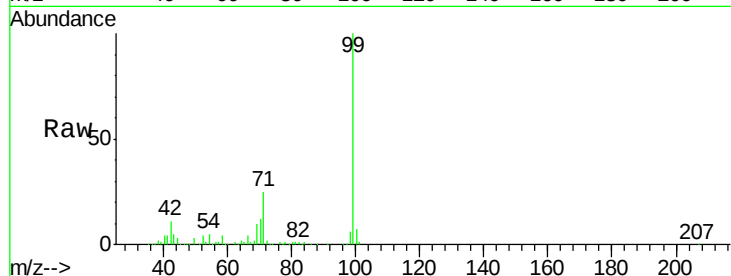
ClientSampled :

SB5

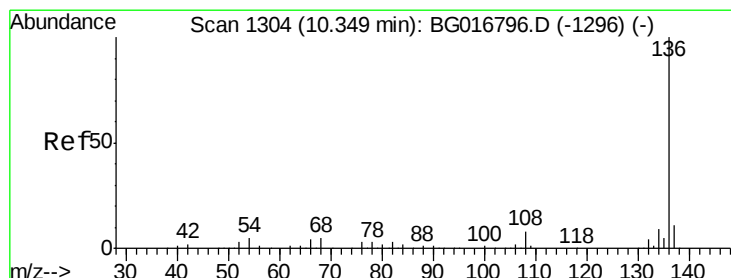
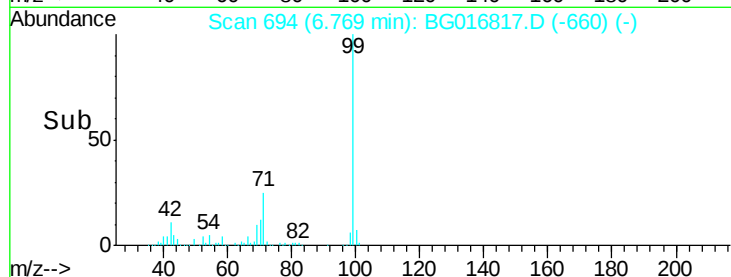
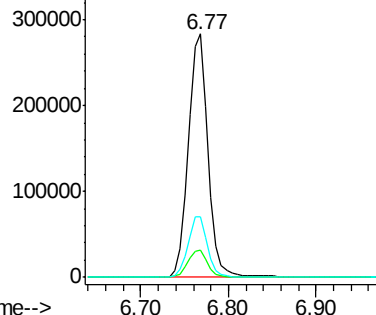
Tot Ion:	99	Resp:	443928
Ion Ratio	Lower	Upper	
99	100		
42	11.0	8.9	13.3
71	24.7	19.0	28.6

Manual Integrations
APPROVED

apatel
5/1/2015 8:57:53 AM



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.35 min Scan# 1303

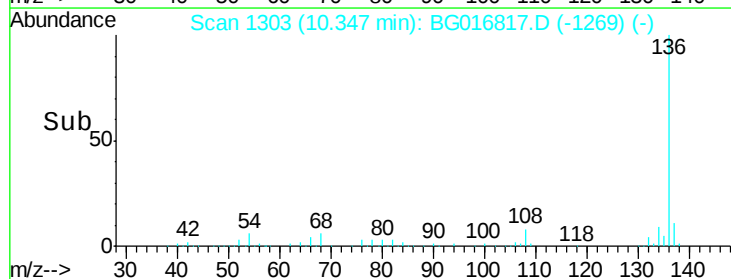
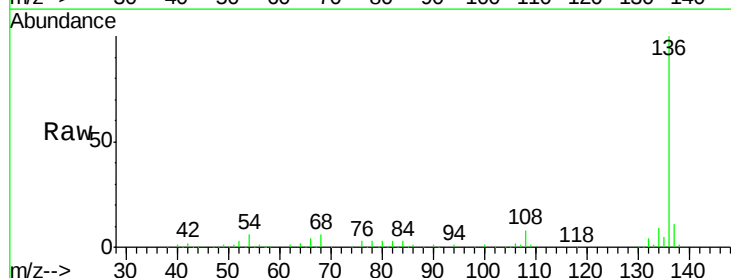
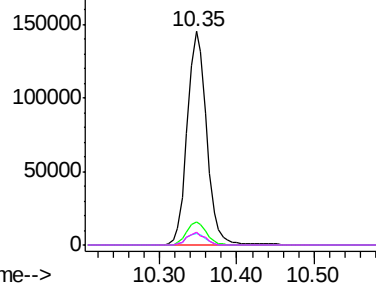
Delta R.T. 0.00 min

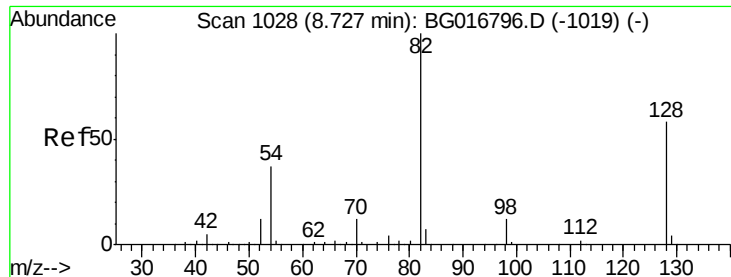
Lab File: BG016817.D

Acq: 30 Apr 2015 3:47

Tgt Ion:	136	Resp:	250742
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	12.8
54	5.6	4.3	6.5
68	6.3	4.3	6.5

Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





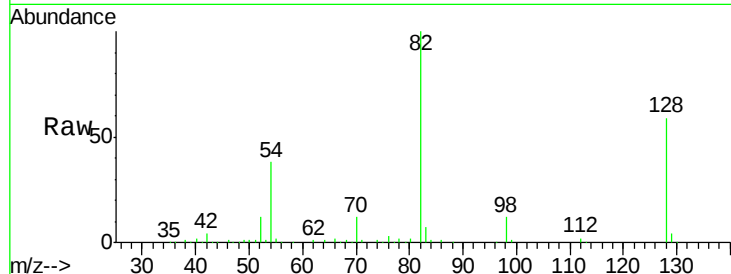
#23
Nitrobenzene-d5
Concen: 58.11 ng
RT: 8.73 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BG016817.D
Acq: 30 Apr 2015 3:47

Instrument :
BNA_G
ClientSampled :
SB5

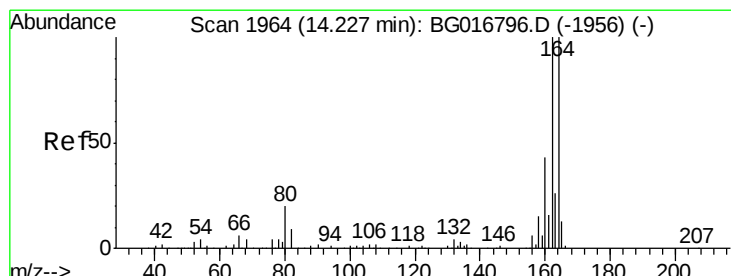
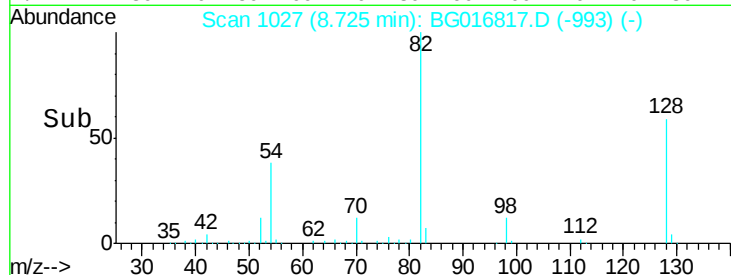
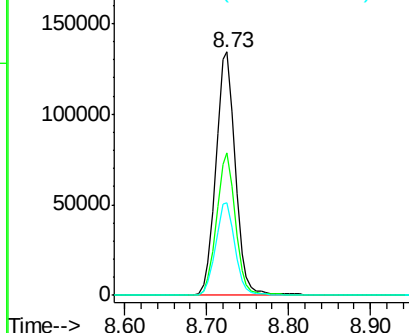
Tot Ion	Ratio	Resp	Lower	Upper
82	100	223661		
128	58.8	46.3	69.5	
54	37.8	30.0	45.0	

Manual Integrations
APPROVED

apatel
5/1/2015 8:57:53 AM



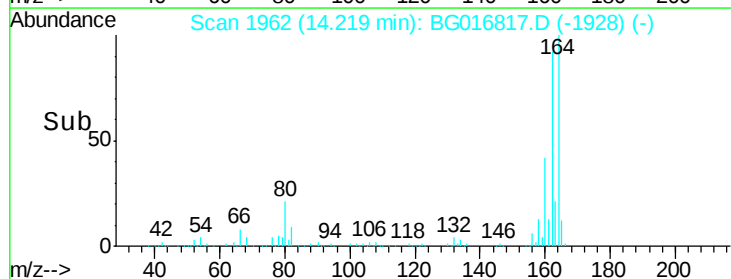
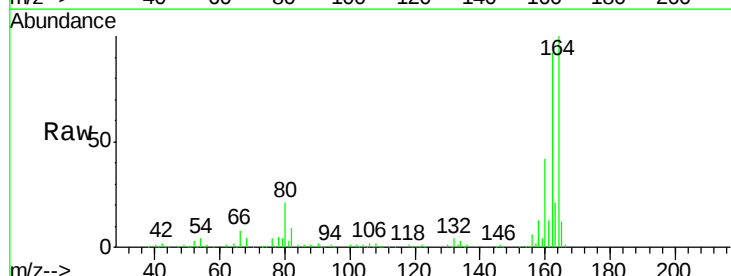
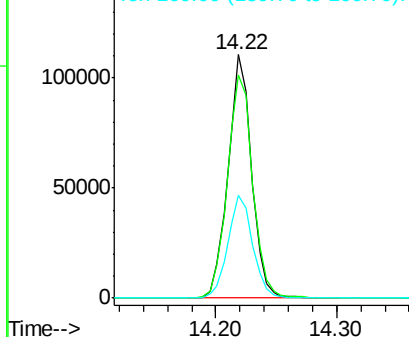
Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

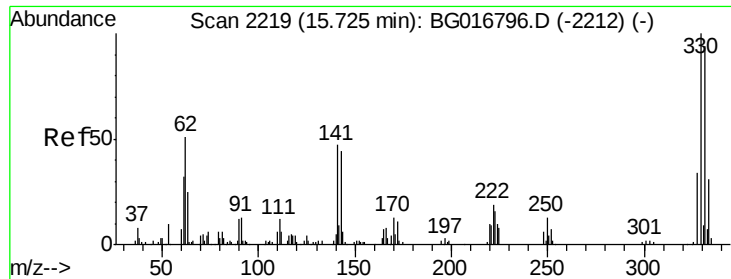


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.22 min Scan# 1962
Delta R.T. 0.00 min
Lab File: BG016817.D
Acq: 30 Apr 2015 3:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	149460		
162	91.8	80.2	120.4	
160	42.5	34.8	52.2	

Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





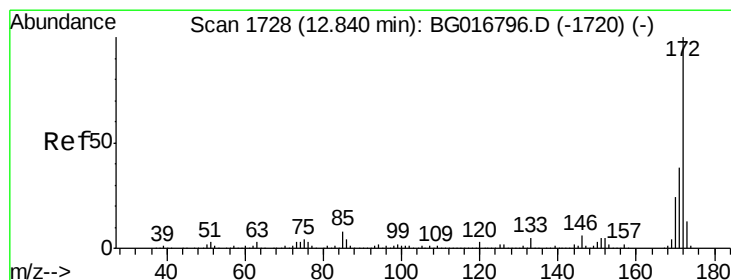
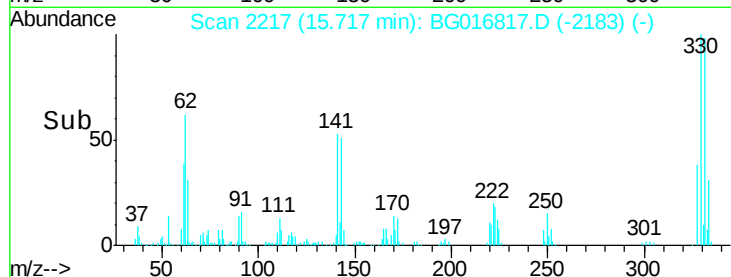
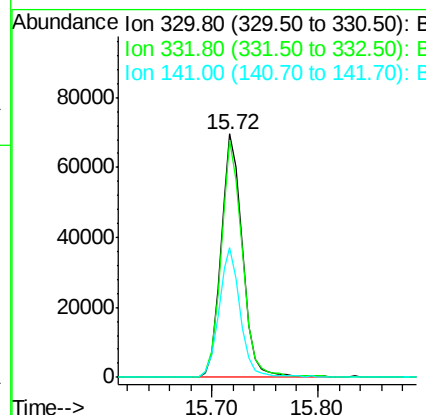
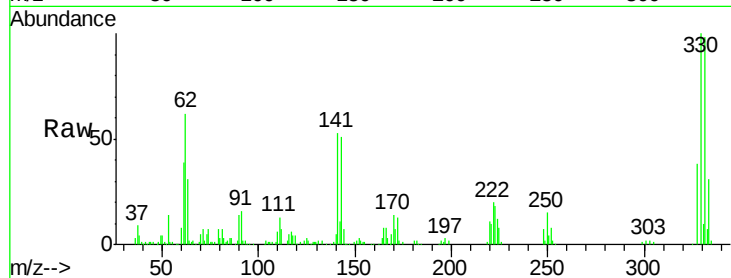
#41
 2,4,6-Tribromophenol
 Concen: 89.30 ng
 RT: 15.72 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG016817.D
 Acq: 30 Apr 2015 3:47

Instrument :
 BNA_G
 ClientSampled :
 SB5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	99401		
332	96.7	75.3	112.9	
141	52.0	40.7	61.1	

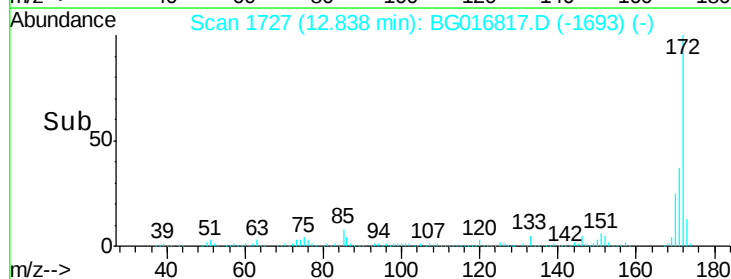
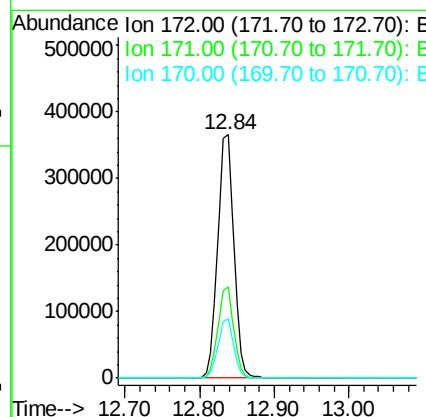
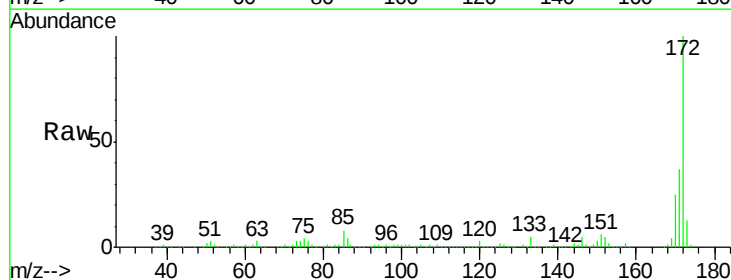
Manual Integrations
 APPROVED

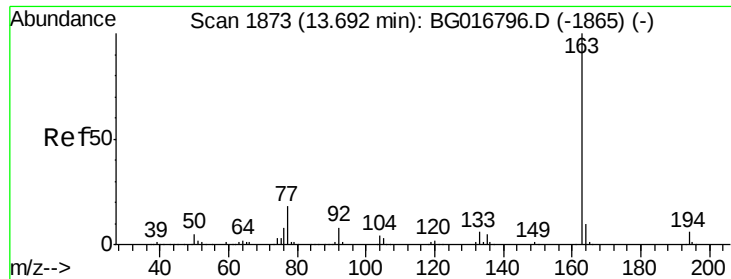
apatel
 5/1/2015 8:57:53 AM



#44
 2-Fluorobiphenyl
 Concen: 57.07 ng
 RT: 12.84 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: BG016817.D
 Acq: 30 Apr 2015 3:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	550914		
171	37.4	30.2	45.4	
170	24.6	19.4	29.0	





#49

Dimethylphthalate

Concen: 2.55 ng

RT: 13.68 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG016817.D

Acq: 30 Apr 2015 3:47

Instrument :

BNA_G

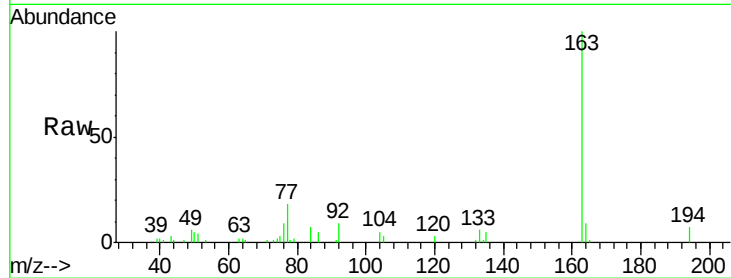
ClientSampleId :

SB5

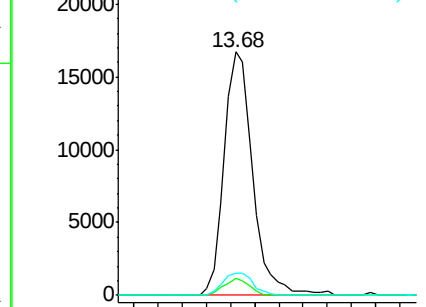
Tot Ion:	163	Resp:	27330
Ion Ratio	Lower	Upper	
163	100		
194	6.8	4.7	7.1
164	8.9	8.2	12.2

Manual Integrations
APPROVED

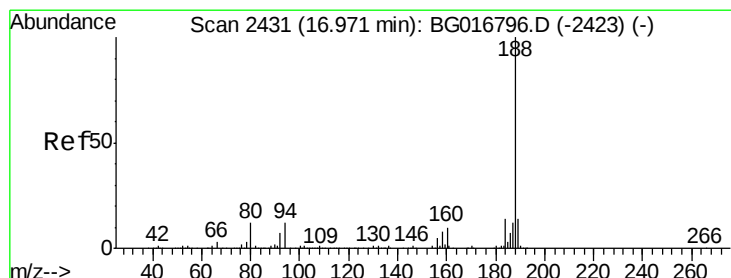
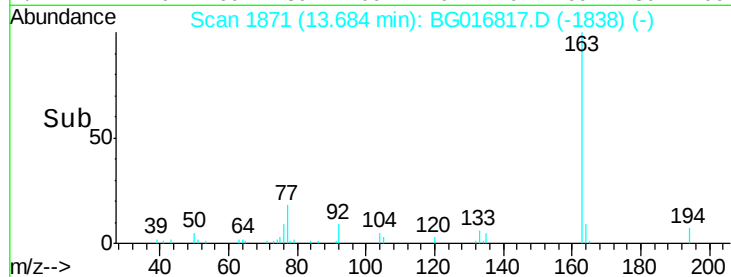
apatel
5/1/2015 8:57:53 AM



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

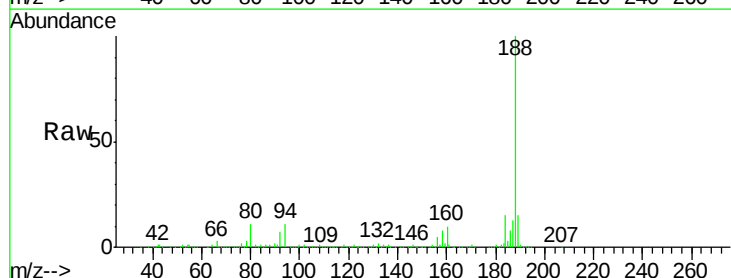
RT: 16.97 min Scan# 2430

Delta R.T. 0.00 min

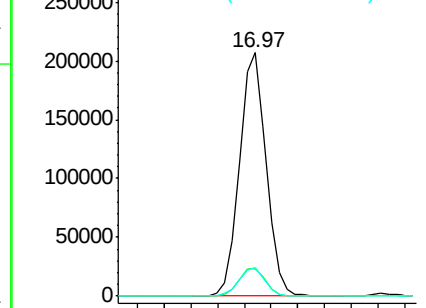
Lab File: BG016817.D

Acq: 30 Apr 2015 3:47

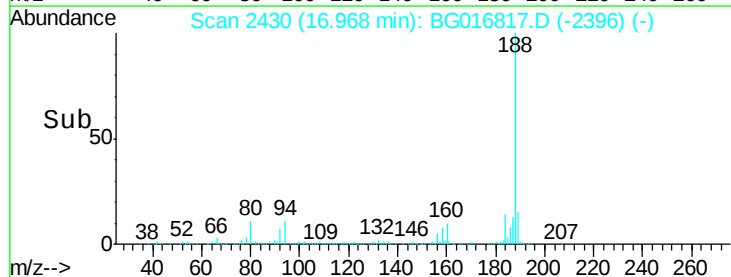
Tgt Ion:	188	Resp:	286021
Ion Ratio	Lower	Upper	
188	100		
94	11.2	9.5	14.3
80	11.5	9.2	13.8

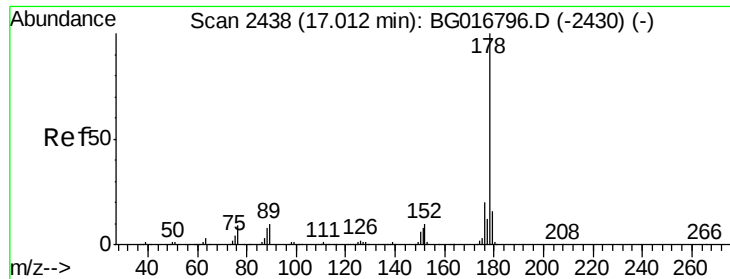


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC



Time-->





#70

Phenanthrene

Concen: 8.13 ng

RT: 17.01 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BG016817.D

Acq: 30 Apr 2015 3:47

Instrument :

BNA_G

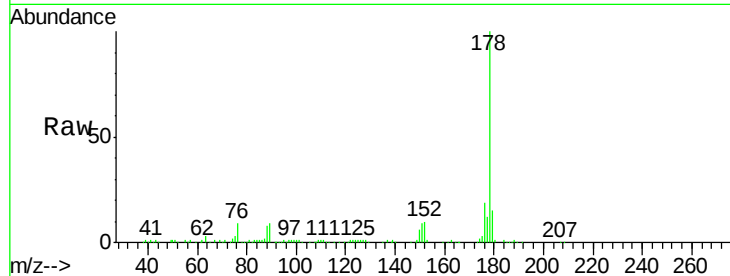
ClientSampleId :

SB5

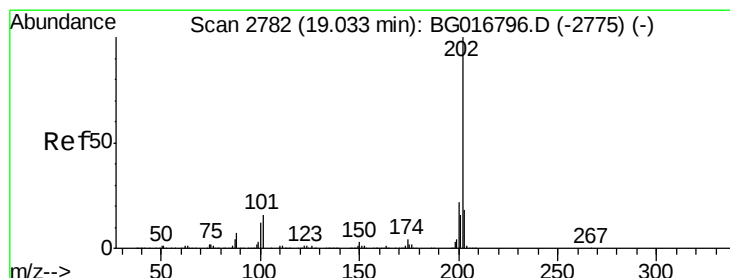
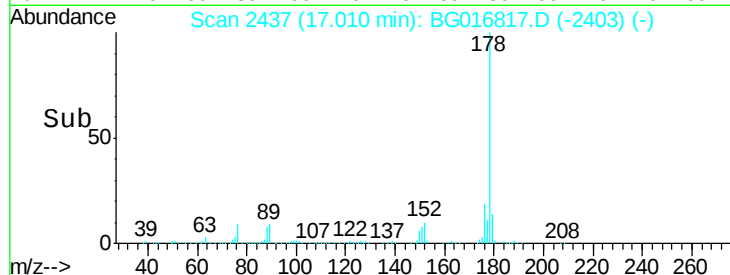
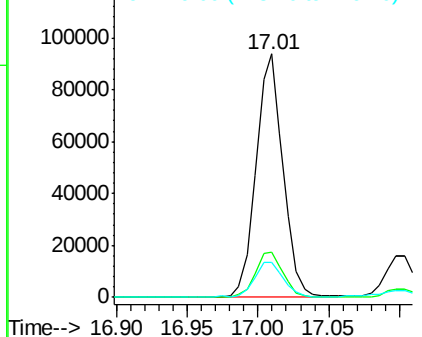
Tot Ion:	178	Resp:	125771
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.9	23.9
179	14.5	12.7	19.1

Manual Integrations
APPROVED

apatel
5/1/2015 8:57:53 AM



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



#74

Fluoranthene

Concen: 13.10 ng

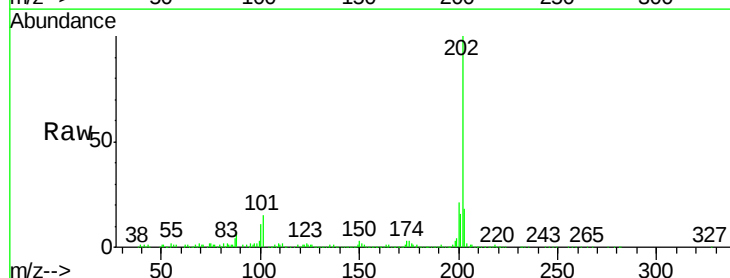
RT: 19.03 min Scan# 2781

Delta R.T. 0.00 min

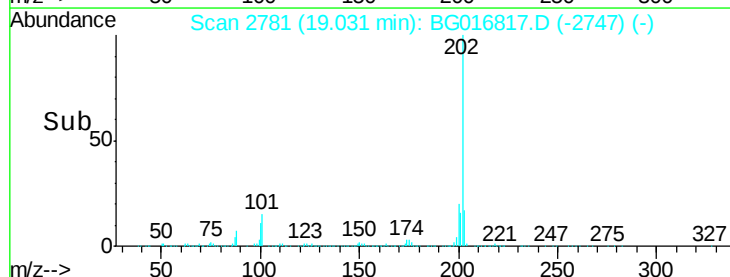
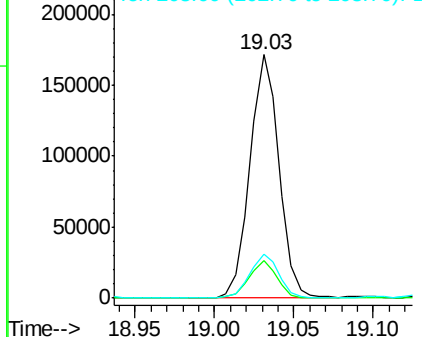
Lab File: BG016817.D

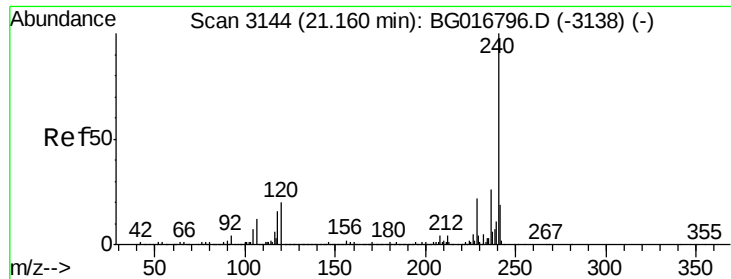
Acq: 30 Apr 2015 3:47

Tgt Ion:	202	Resp:	217858
Ion Ratio	Lower	Upper	
202	100		
101	15.5	0.0	36.2
203	17.9	0.0	37.6



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.16 min Scan# 3143

Delta R.T. 0.00 min

Lab File: BG016817.D

Acq: 30 Apr 2015 3:47

Instrument :

BNA_G

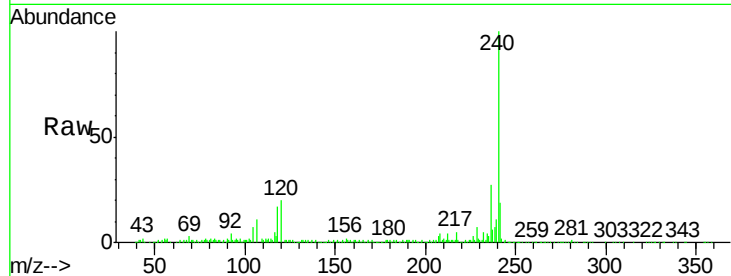
ClientSampleId :

SB5

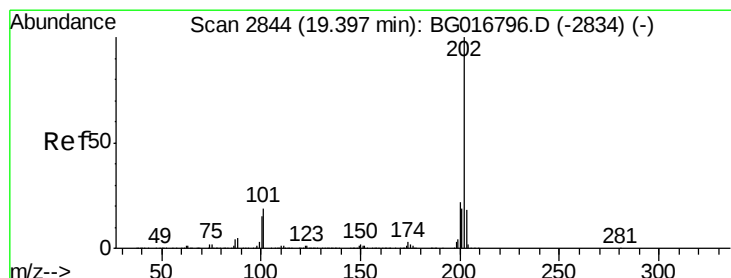
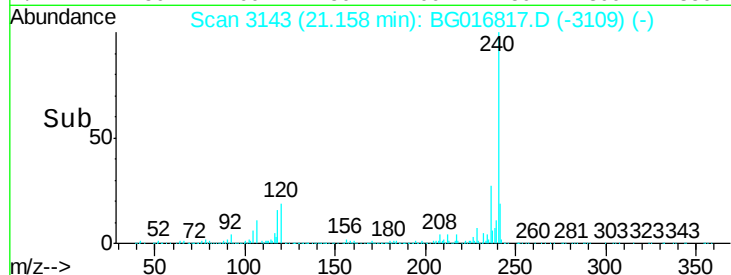
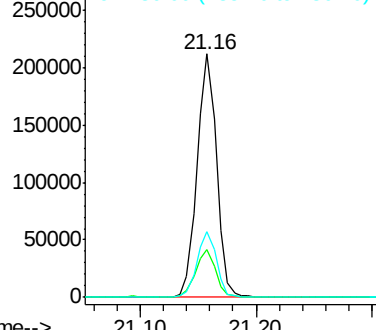
Tot Ion:	240	Resp:	246957
Ion Ratio	Lower	Upper	
240	100		
120	19.7	16.1	24.1
236	27.0	21.0	31.6

Manual Integrations
APPROVED

apatel
5/1/2015 8:57:53 AM



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: 12.56 ng

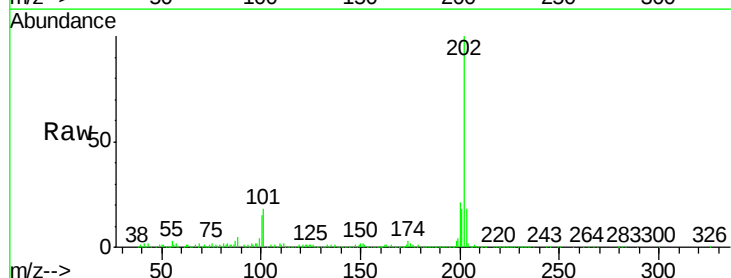
RT: 19.40 min Scan# 2843

Delta R.T. 0.00 min

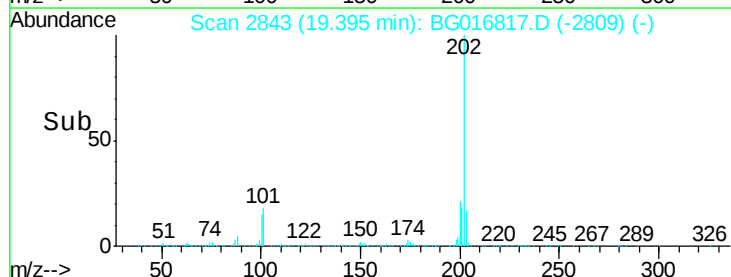
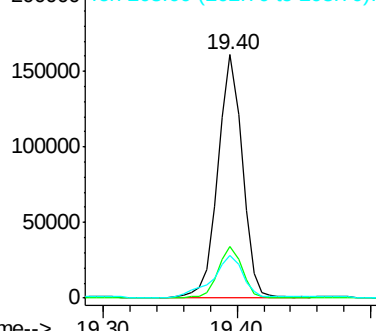
Lab File: BG016817.D

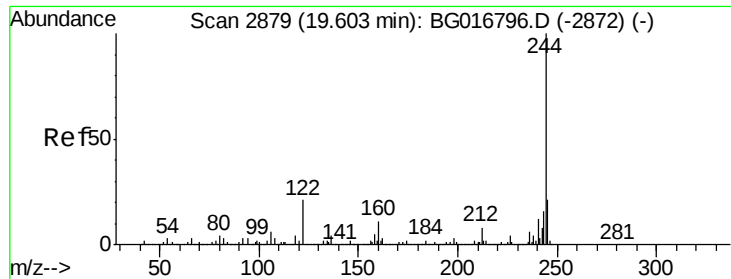
Acq: 30 Apr 2015 3:47

Tgt Ion:	202	Resp:	202756
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.3	25.9
203	17.6	14.6	22.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.86 ng

RT: 19.60 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG016817.D

Acq: 30 Apr 2015 3:47

Instrument :

BNA_G

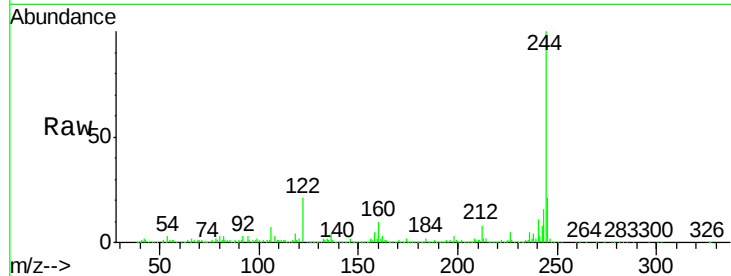
ClientSampleId :

SB5

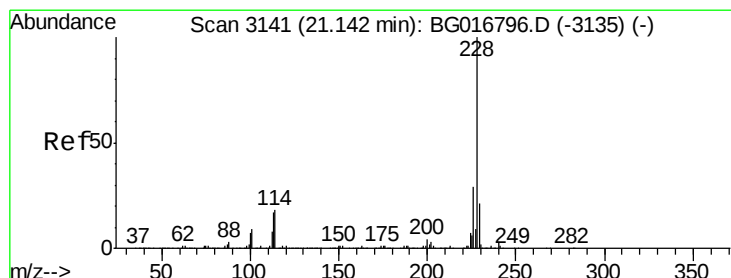
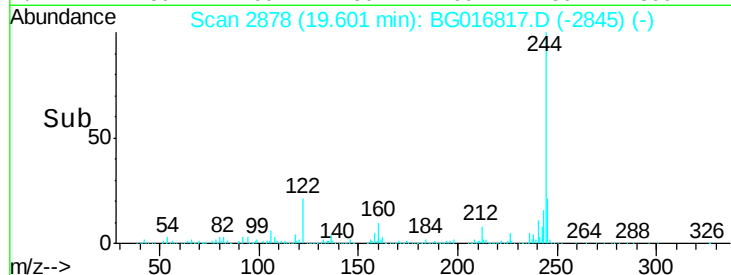
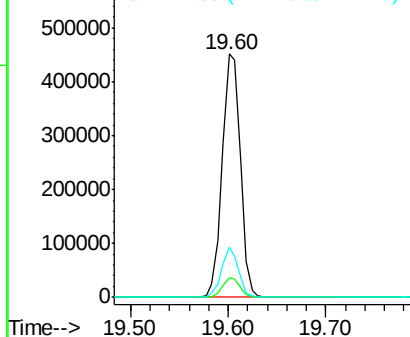
Tot Ion:	244	Resp:	582169
Ion Ratio		Lower	Upper
244	100		
212	8.0	6.4	9.6
122	20.7	16.4	24.6

Manual Integrations
APPROVED

apatel
5/1/2015 8:57:53 AM



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



#80

Benzo(a)anthracene

Concen: 7.04 ng

RT: 21.14 min Scan# 3140

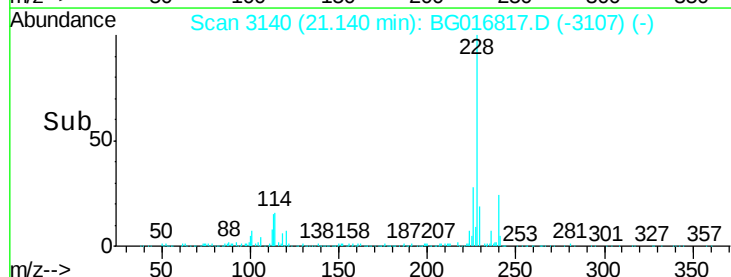
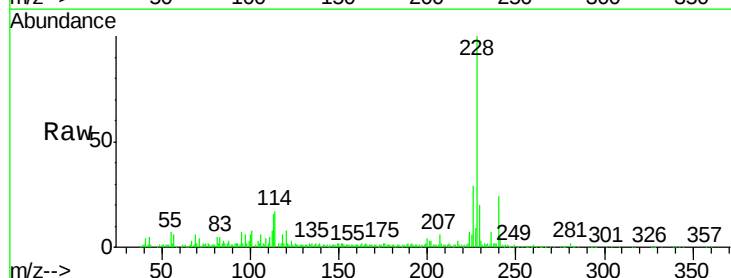
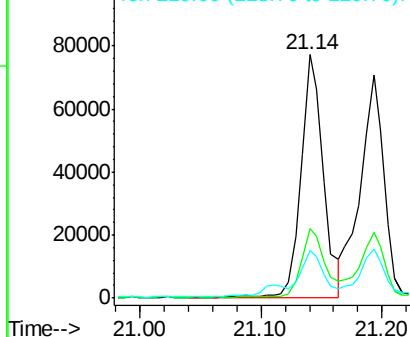
Delta R.T. -0.01 min

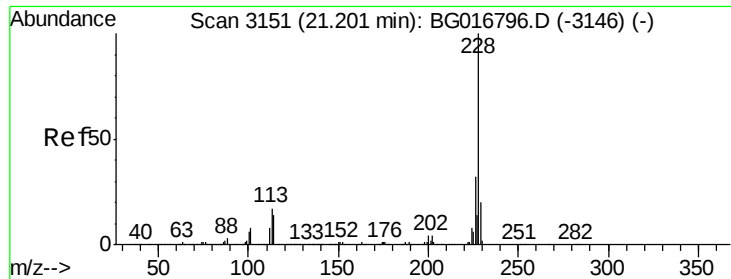
Lab File: BG016817.D

Acq: 30 Apr 2015 3:47

Tgt Ion:	228	Resp:	100400
Ion Ratio		Lower	Upper
228	100		
226	28.8	23.4	35.0
229	19.7	17.0	25.6

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





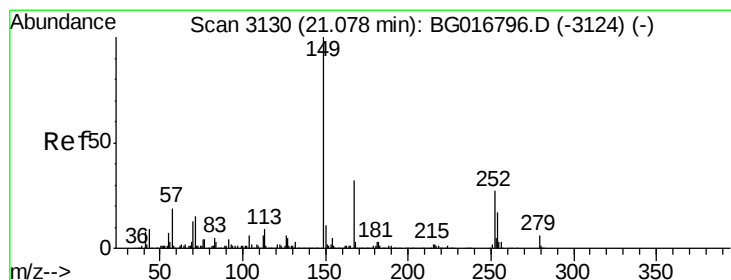
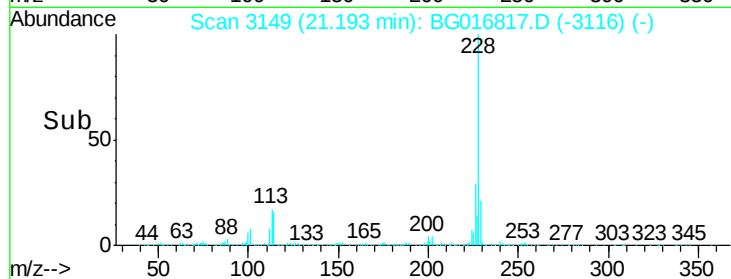
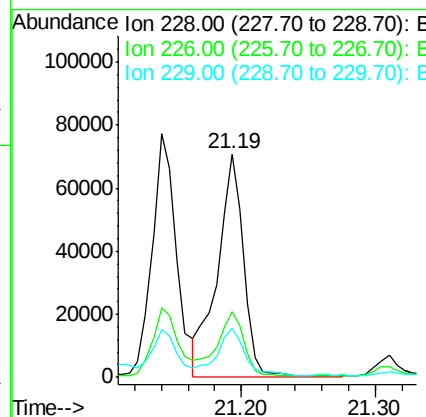
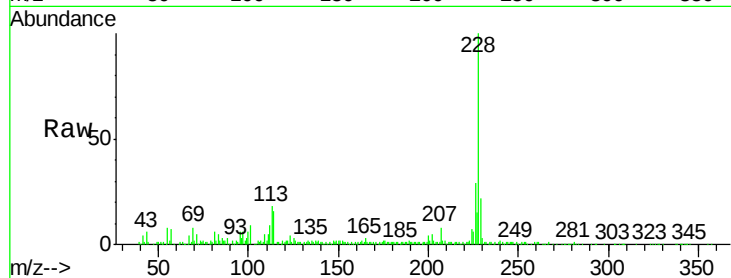
#82
 Chrvsene
 Concen: 7.22 ng
 RT: 21.19 min Scan# 3149
 Delta R.T. -0.01 min
 Lab File: BG016817.D
 Acq: 30 Apr 2015 3:47

Instrument :
 BNA_G
 ClientSampleId :
 SB5

Tot Ion:	228	Resp:	97465
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.1	37.7
229	22.0	16.1	24.1

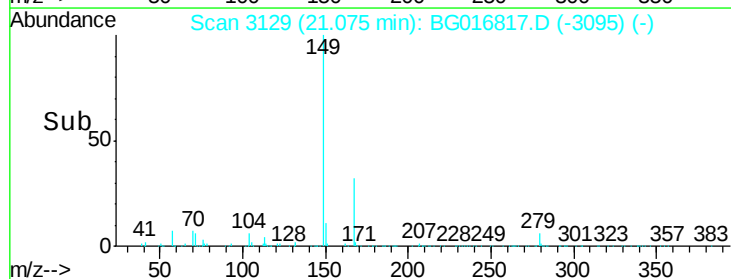
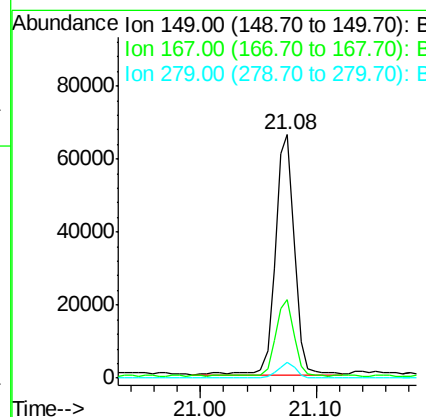
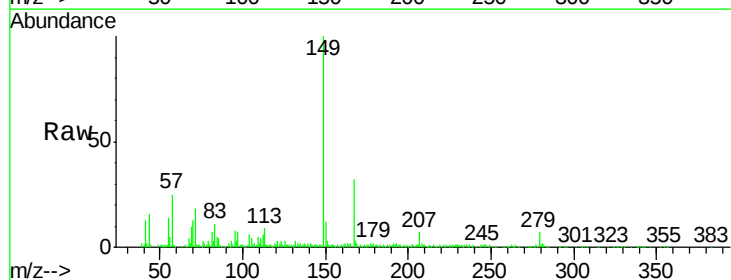
Manual Integrations
 APPROVED

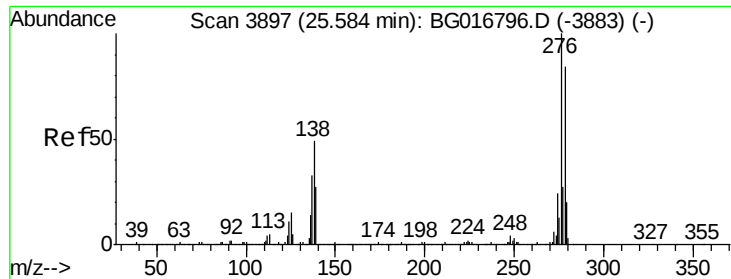
apatel
 5/1/2015 8:57:53 AM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.68 ng
 RT: 21.08 min Scan# 3129
 Delta R.T. 0.00 min
 Lab File: BG016817.D
 Acq: 30 Apr 2015 3:47

Tgt Ion:	149	Resp:	75626
Ion Ratio	Lower	Upper	
149	100		
167	32.3	25.9	38.9
279	6.6	5.0	7.4





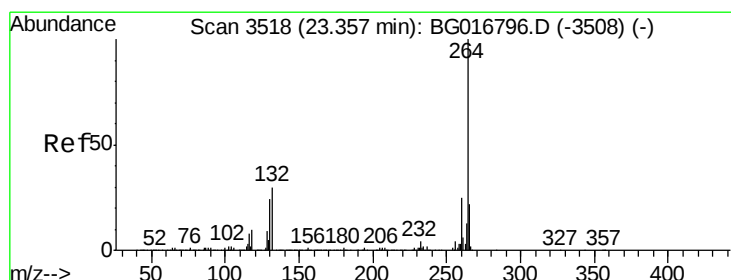
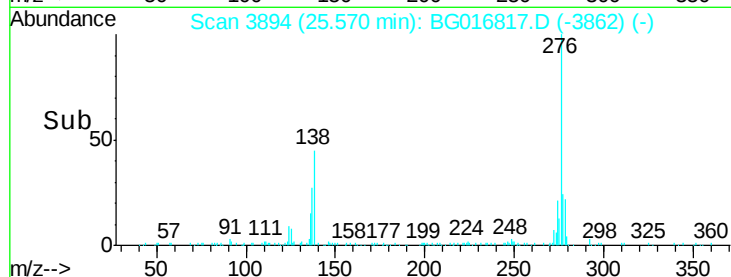
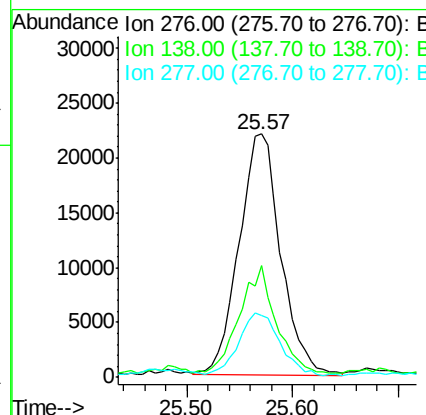
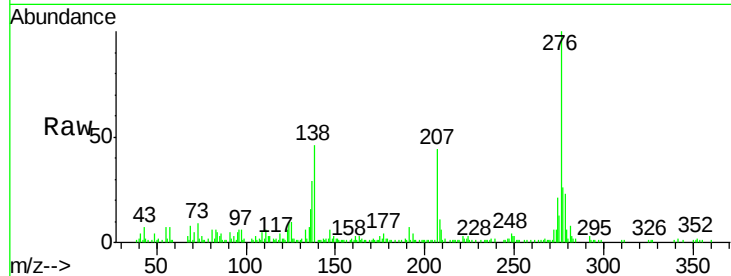
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.92 ng
RT: 25.57 min Scan# 3894
Delta R.T. -0.01 min
Lab File: BG016817.D
Acq: 30 Apr 2015 3:47

Instrument :
BNA_G
ClientSampled :
SB5

Tot Ion	Ratio	Lower	Upper
276	100		
138	39.1	37.0	55.6
277	25.2	21.4	32.0

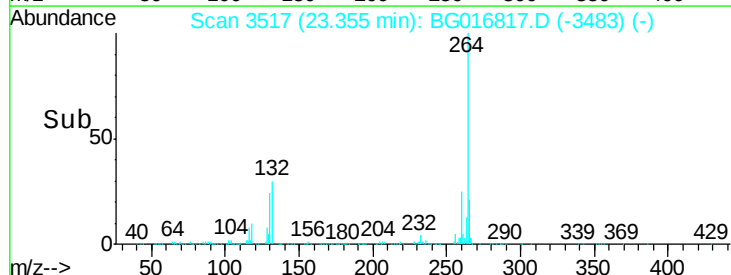
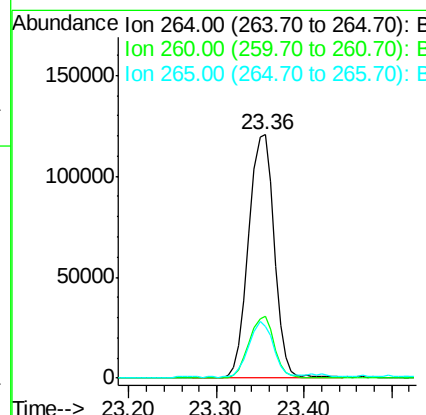
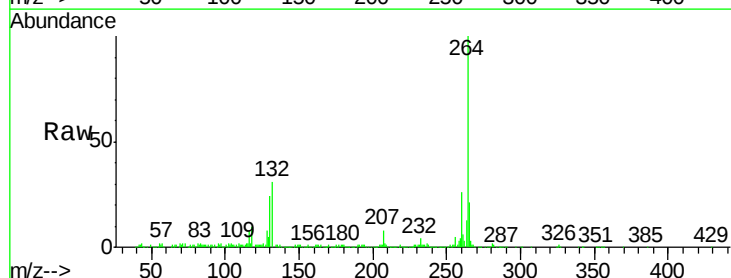
Manual Integrations
APPROVED

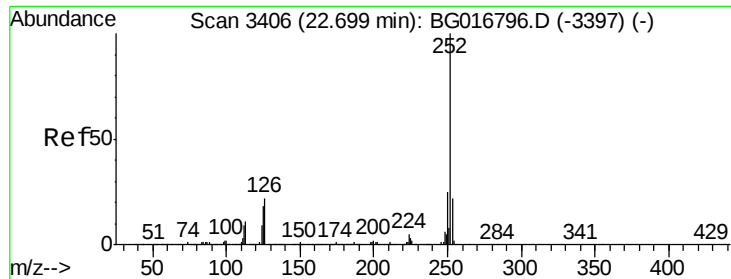
apatel
5/1/2015 8:57:53 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 3517
Delta R.T. 0.00 min
Lab File: BG016817.D
Acq: 30 Apr 2015 3:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.7	29.5
265	21.3	17.4	26.2





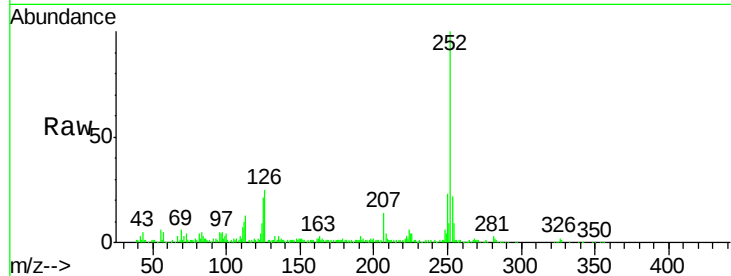
#87
Benzo(b)fluoranthene
Concen: 9.10 ng
RT: 22.70 min Scan# 3405
Delta R.T. 0.00 min
Lab File: BG016817.D
Acq: 30 Apr 2015 3:47

Instrument :
BNA_G
ClientSampleId :
SB5

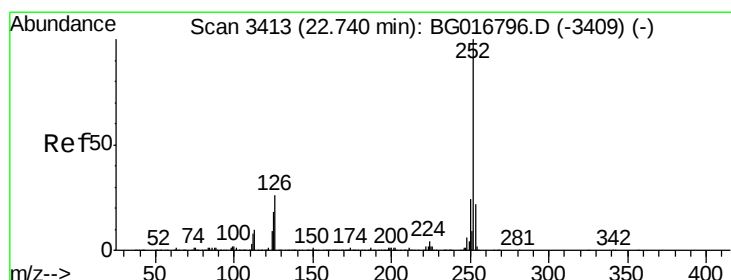
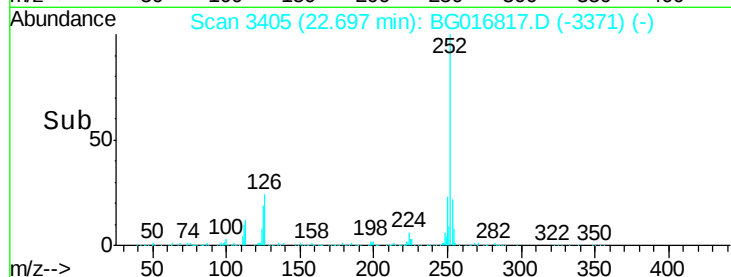
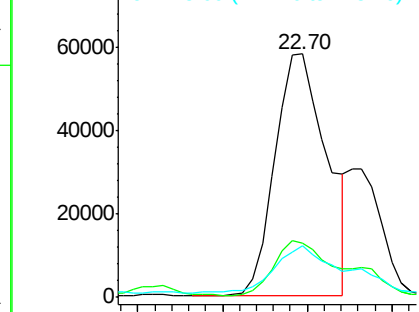
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	18.0	27.0
125	21.4	14.2	21.2

Manual Integrations
APPROVED

apatel
5/1/2015 8:57:53 AM

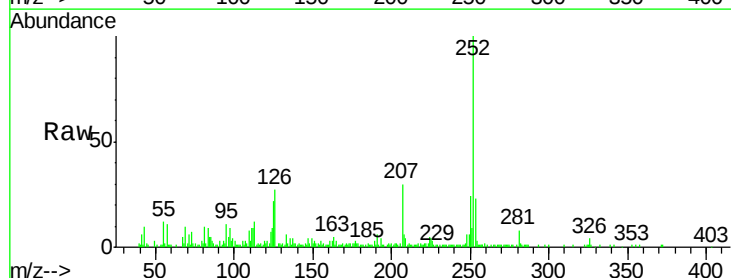


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

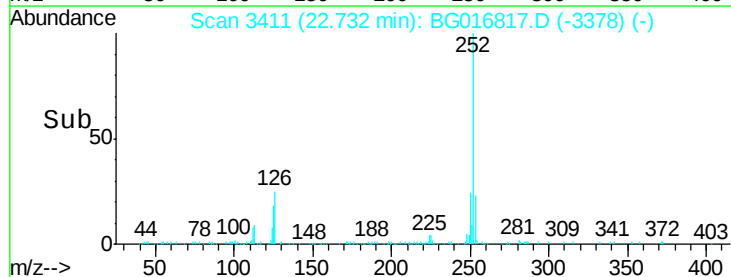
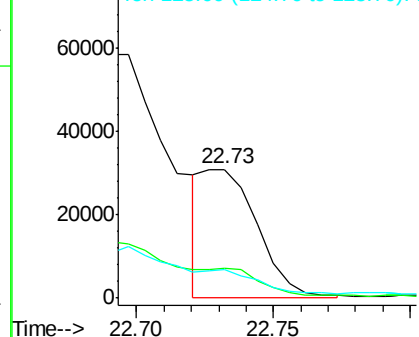


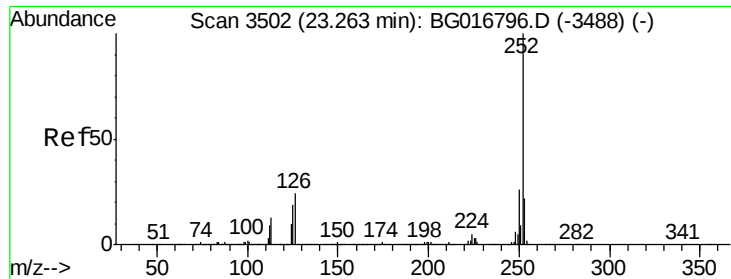
#88
Benzo(k)fluoranthene
Concen: 3.18 ng m
RT: 22.73 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BG016817.D
Acq: 30 Apr 2015 3:47

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.7	26.5
125	22.5	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





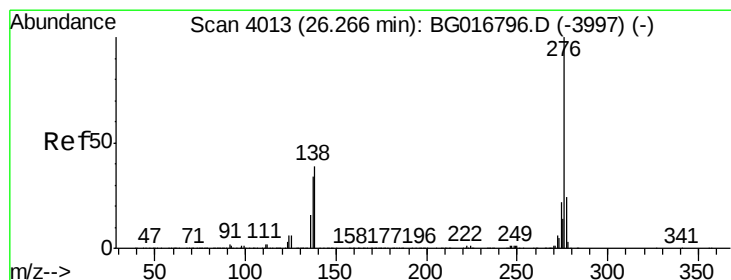
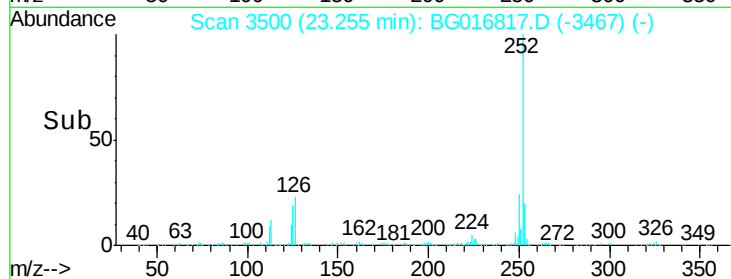
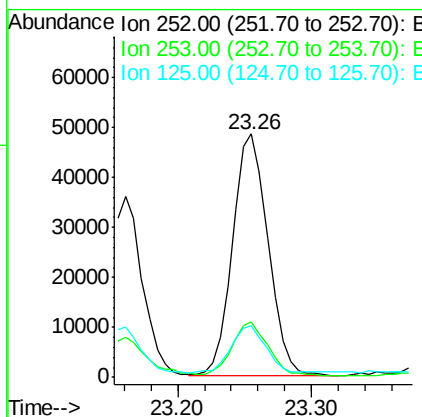
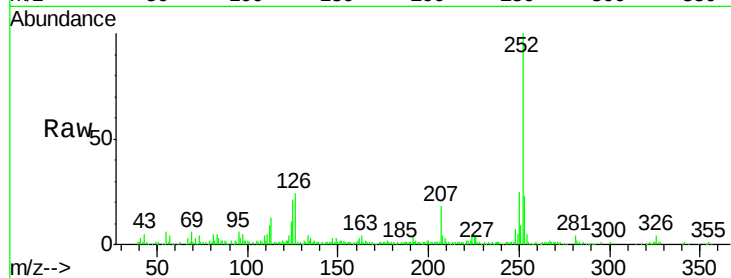
#89
Benzo(a)pyrene
Concen: 6.90 ng
RT: 23.26 min Scan# 3500
Delta R.T. -0.01 min
Lab File: BG016817.D
Acq: 30 Apr 2015 3:47

Instrument :
BNA_G
ClientSampleId :
SB5

Tot Ion:	252	Resp:	89051
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.9	26.9
125	21.4	15.0	22.4

Manual Integrations
APPROVED

apatel
5/1/2015 8:57:53 AM



#91
Benzo(g,h,i)perylene
Concen: 4.55 ng
RT: 26.25 min Scan# 4010
Delta R.T. -0.01 min
Lab File: BG016817.D
Acq: 30 Apr 2015 3:47

Tgt Ion:	276	Resp:	59584
Ion Ratio	Lower	Upper	
276	100		
277	22.5	19.6	29.4
138	38.3	31.0	46.4

