

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041515\
 Data File : BG016418.D
 Acq On : 15 Apr 2015 12:22
 Operator : TP/IZ
 Sample : G1831-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-9

Manual Integrations
 APPROVED

apatel
 4/16/2015 3:33:09 PM

Quant Time: Apr 16 03:33:08 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 14:00:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	71101	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	321964	20.00	ng	0.00
38) Acenaphthene-d10	14.31	164	191741	20.00	ng	0.00
63) Phenanthrene-d10	17.05	188	423320	20.00	ng	-0.01
75) Chrysene-d12	21.23	240	378853	20.00	ng	0.00
86) Perylene-d12	23.46	264	348129	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	611428	135.72	ng	0.00
7) Phenol-d6	6.85	99	908123	134.28	ng	0.00
23) Nitrobenzene-d5	8.82	82	477956	86.00	ng	-0.01
41) 2,4,6-Tribromophenol	15.80	330	175494	135.34	ng	0.00
44) 2-Fluorobiphenyl	12.93	172	843377	74.89	ng	0.00
78) Terphenyl-d14	19.68	244	1001967	61.90	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.88	94	23734	3.28	ng	99
49) Dimethylphthalate	13.77	163	50742	3.61	ng	99
70) Phenanthrene	17.09	178	134238	5.64	ng	98
74) Fluoranthene	19.11	202	241921	9.86	ng	94
77) Pyrene	19.47	202	254378	9.64	ng	99
80) Benzo(a)anthracene	21.21	228	108097	4.83	ng	96
82) Chrysene	21.27	228	104998	4.86	ng	97
85) Indeno(1,2,3-cd)pyrene	25.73	276	57383	2.56	ng	# 88
87) Benzo(b)fluoranthene	22.79	252	124516	6.11	ng	98
88) Benzo(k)fluoranthene	22.83	252	42381m	2.12	ng	
89) Benzo(a)pyrene	23.36	252	91751	4.80	ng	96
91) Benzo(g,h,i)perylene	26.42	276	60096	3.24	ng	95

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

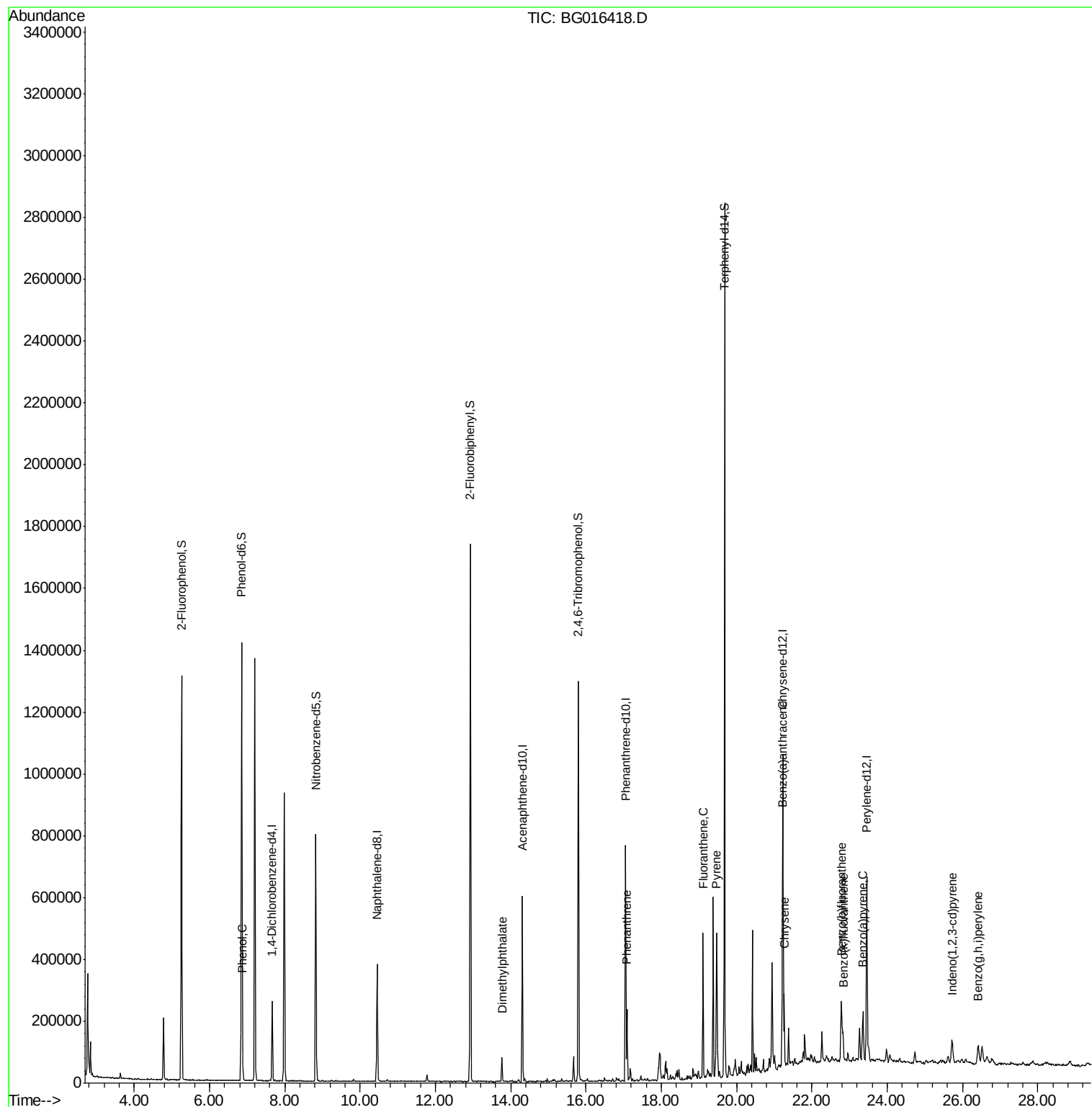
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041515\
Data File : BG016418.D
Acq On : 15 Apr 2015 12:22
Operator : TP/IZ
Sample : G1831-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

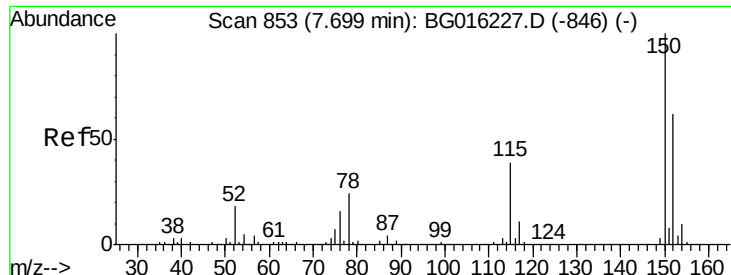
Instrument :
BNA_G
ClientSampleId :
PE-9

Manual Integrations
APPROVED

apatel
4/16/2015 3:33:09 PM

Quant Time: Apr 16 03:33:08 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG040615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 14 14:00:56 2015
Response via : Initial Calibration

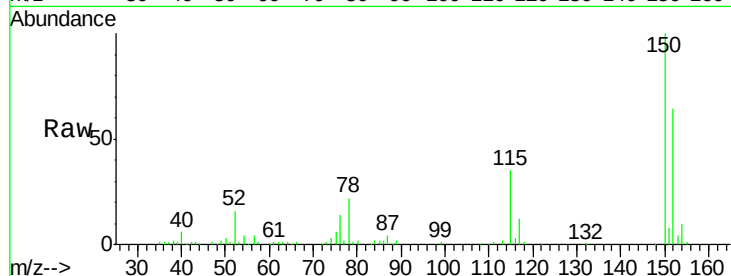




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.66 min Scan# 847
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

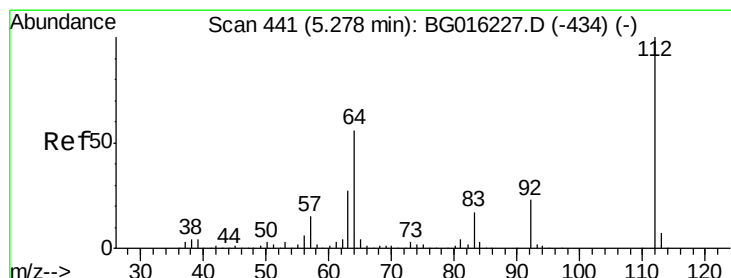
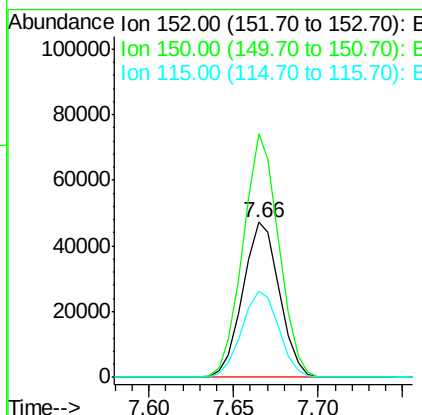
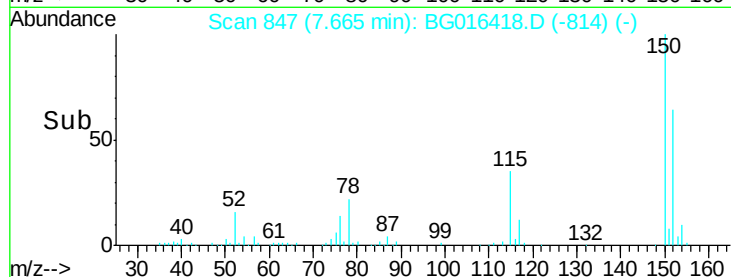
Instrument :
BNA_G
ClientSampled :
PE-9



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.1	130.1	195.1
115	55.3	50.5	75.7

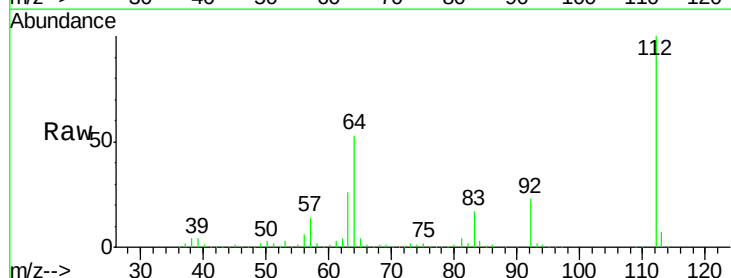
Manual Integrations
APPROVED

apatel
4/16/2015 3:33:09 PM

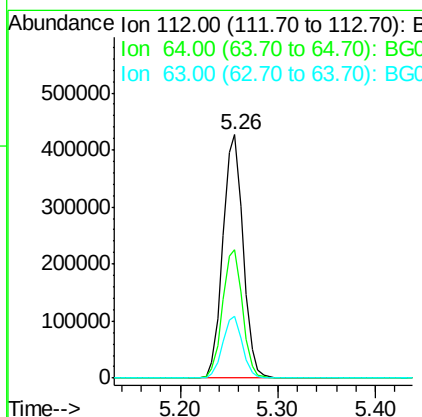
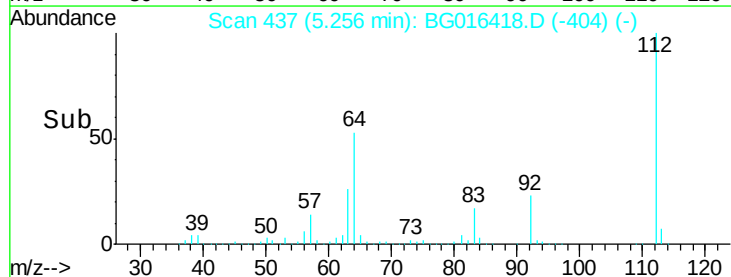


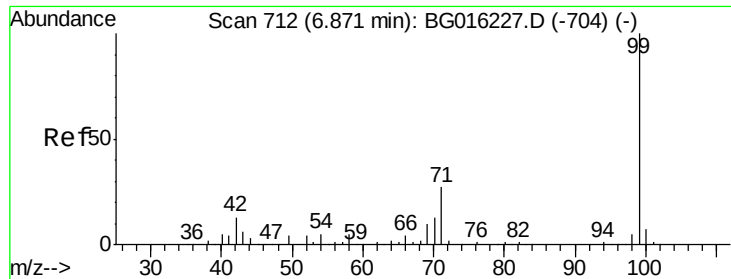
#5

2-Fluorophenol
Concen: 135.72 ng
RT: 5.26 min Scan# 437
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22



Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	44.5	66.7
63	25.6	21.4	32.0





#7

Phenol-d6

Concen: 134.28 ng

RT: 6.85 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Instrument :

BNA_G

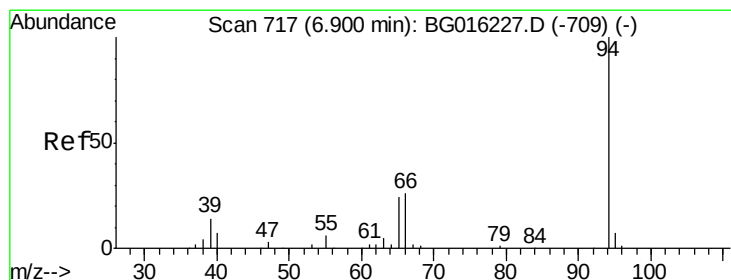
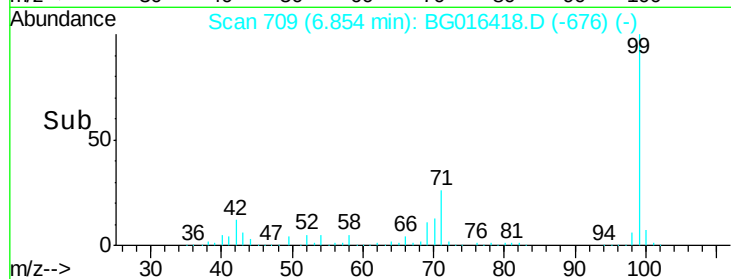
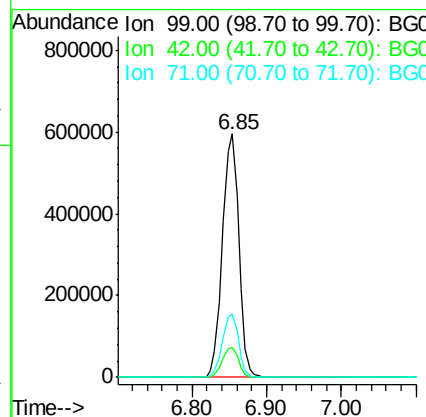
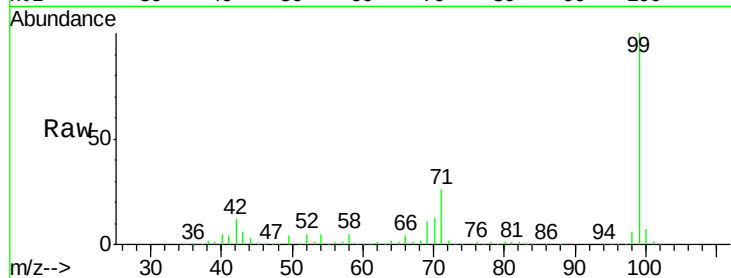
ClientSampleId :

PE-9

Tgt Ion:	99	Resp:	908123
Ion	Ratio	Lower	Upper
99	100		
42	12.1	10.0	15.0
71	26.0	21.5	32.3

Manual Integrations
APPROVED

apatel
4/16/2015 3:33:09 PM



#10

Phenol

Concen: 3.28 ng

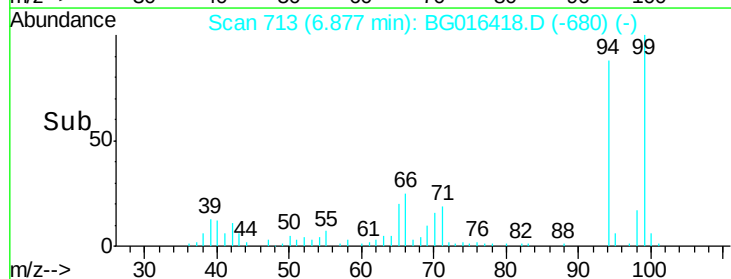
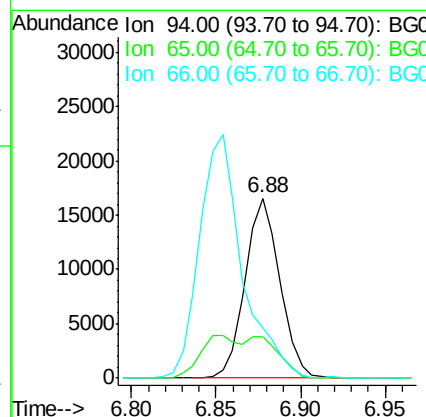
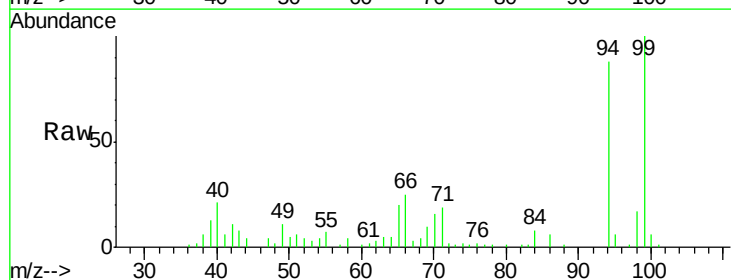
RT: 6.88 min Scan# 713

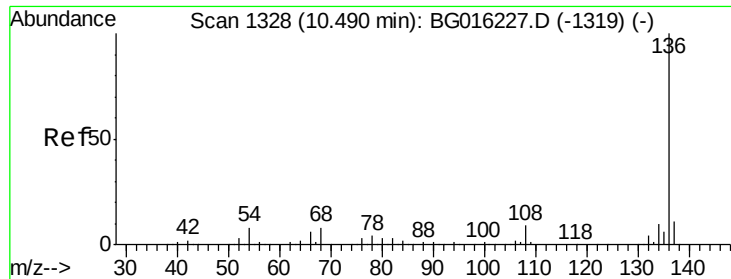
Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Tgt Ion:	94	Resp:	23734
Ion	Ratio	Lower	Upper
94	100		
65	22.9	3.8	43.8
66	27.8	7.4	47.4





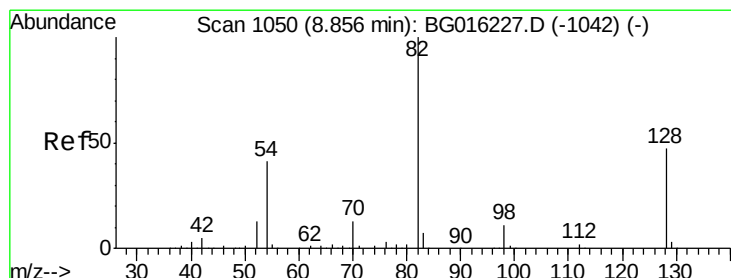
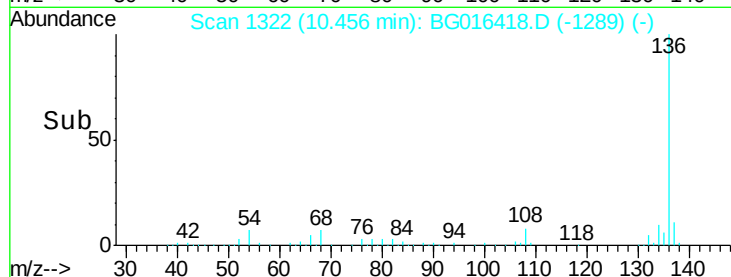
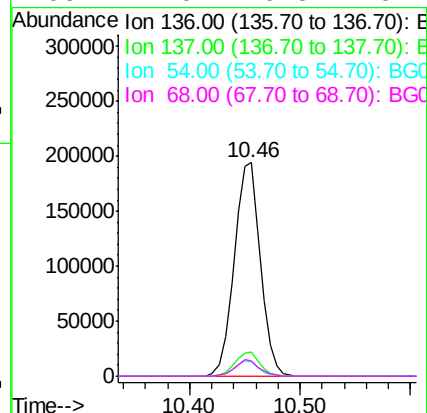
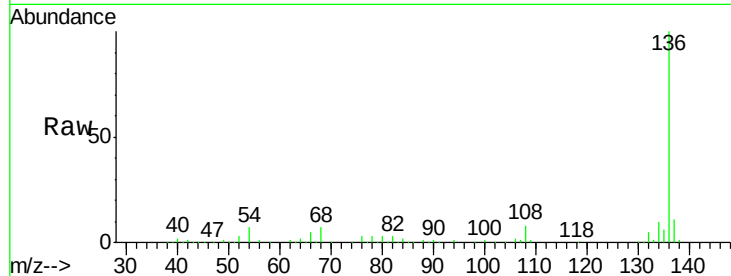
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.46 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Instrument :
BNA_G
ClientSampleId :
PE-9

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		321964		
137	11.5	8.7	13.1		
54	6.9	6.3	9.5		
68	7.0	6.5	9.7		

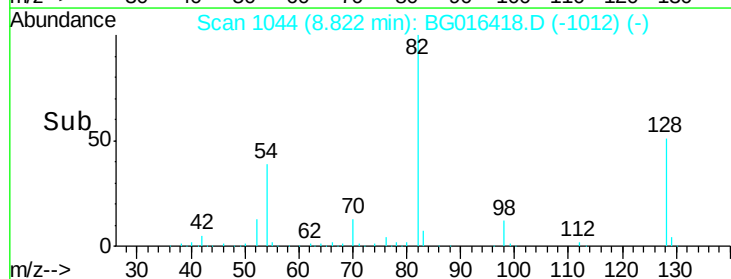
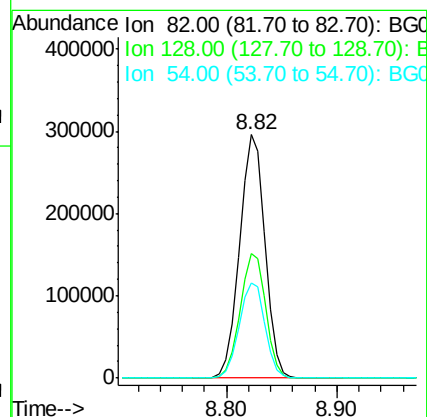
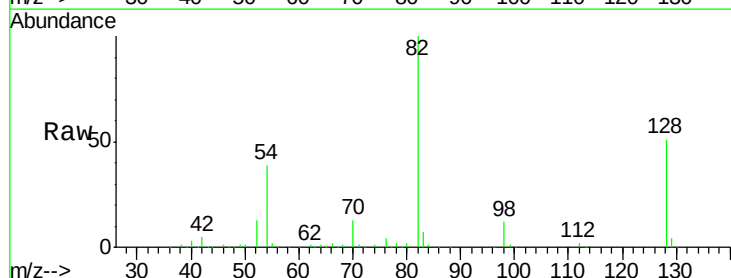
Manual Integrations
APPROVED

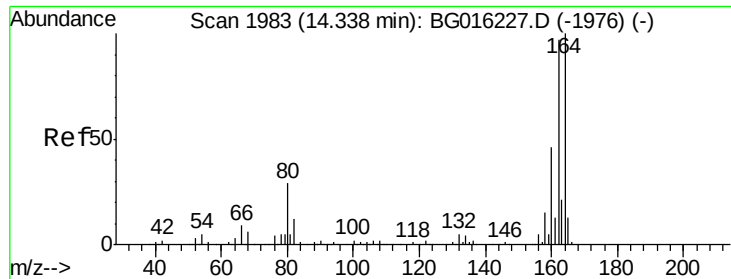
apatel
4/16/2015 3:33:09 PM



#23
Nitrobenzene-d5
Concen: 86.00 ng
RT: 8.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		477956		
128	51.3	37.8	56.8		
54	39.1	32.6	49.0		





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.31 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Instrument :

BNA_G

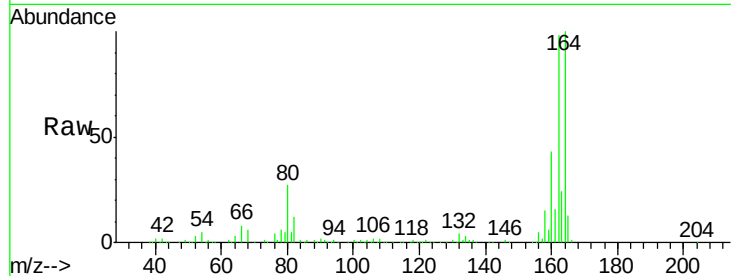
ClientSampleId :

PE-9

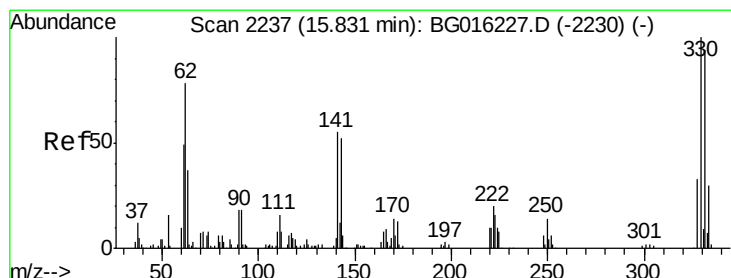
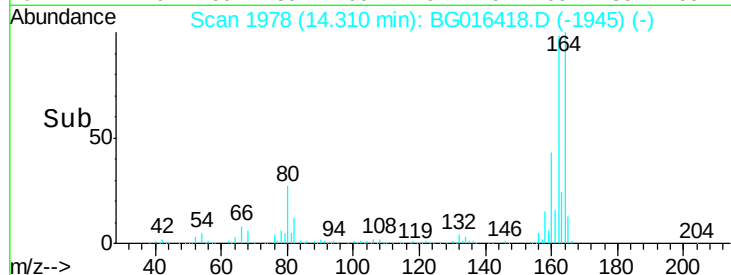
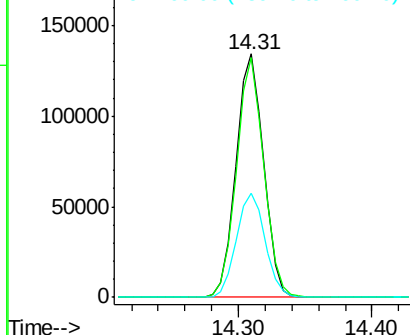
Tgt Ion:	164	Resp:	191741
Ion Ratio	Lower	Upper	
164	100		
162	98.3	77.3	115.9
160	42.9	36.7	55.1

Manual Integrations
APPROVED

apatel
4/16/2015 3:33:09 PM



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



#41

2,4,6-Tribromophenol

Concen: 135.34 ng

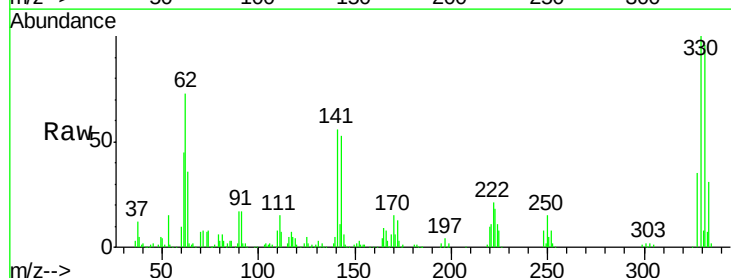
RT: 15.80 min Scan# 2232

Delta R.T. -0.01 min

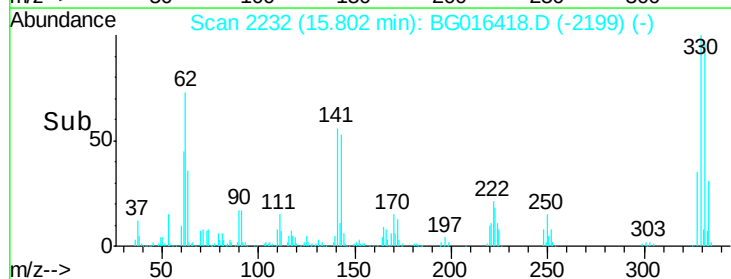
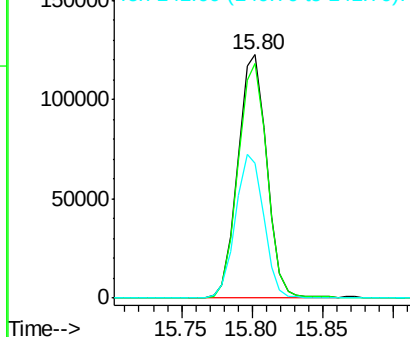
Lab File: BG016418.D

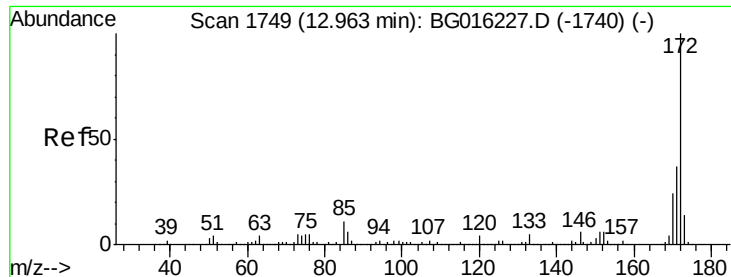
Acq: 15 Apr 2015 12:22

Tgt Ion:	330	Resp:	175494
Ion Ratio	Lower	Upper	
330	100		
332	97.1	75.8	113.6
141	58.2	46.6	69.8



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





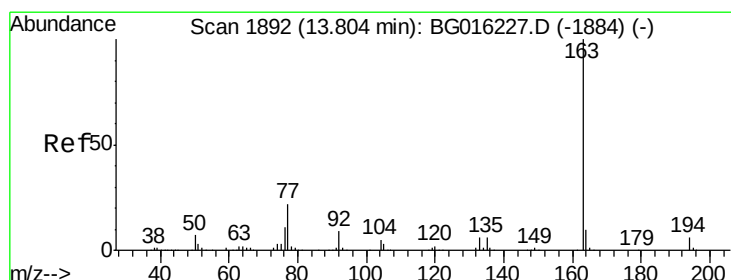
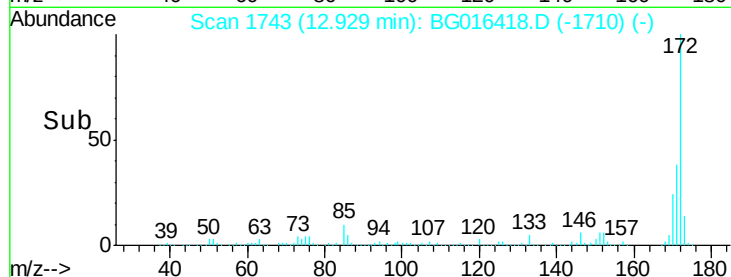
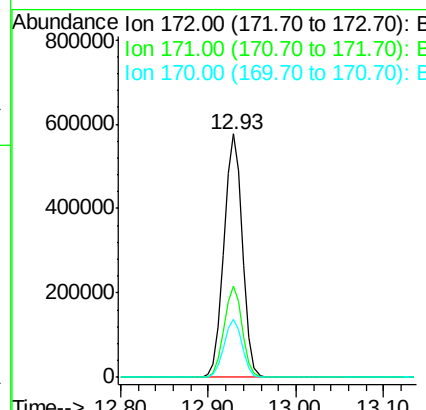
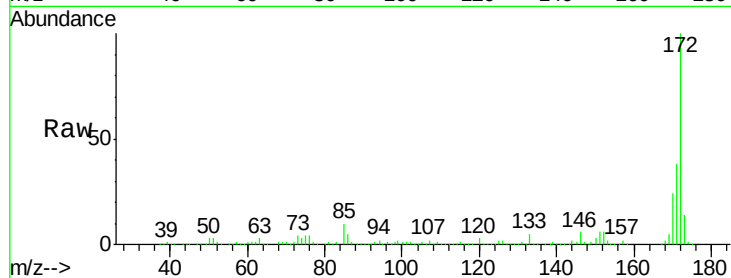
#44
 2-Fluorobiphenyl
 Concen: 74.89 ng
 RT: 12.93 min Scan# 1743
 Delta R.T. -0.01 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

Instrument :
 BNA_G
 ClientSampleId :
 PE-9

Tgt Ion:	172	Resp:	843377
Ion Ratio	Lower	Upper	
172	100		
171	37.6	29.6	44.4
170	23.9	19.4	29.2

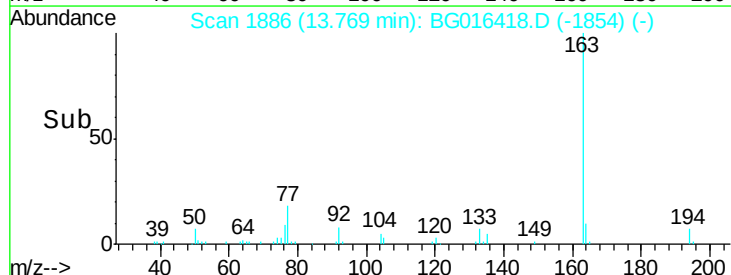
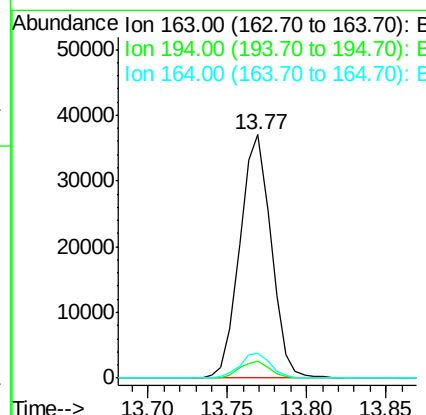
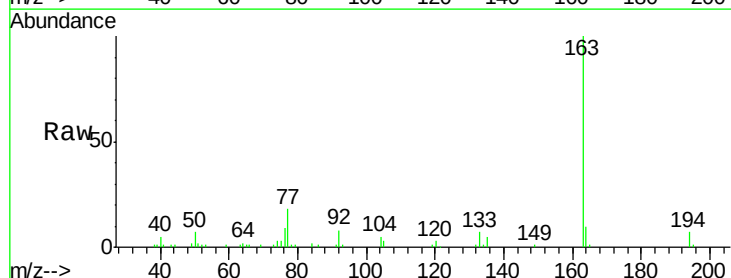
Manual Integrations
 APPROVED

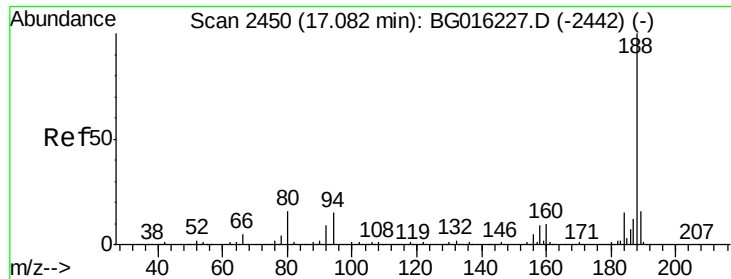
apatel
 4/16/2015 3:33:09 PM



#49
 Dimethylphthalate
 Concen: 3.61 ng
 RT: 13.77 min Scan# 1886
 Delta R.T. -0.01 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

Tgt Ion:	163	Resp:	50742
Ion Ratio	Lower	Upper	
163	100		
194	6.8	5.0	7.4
164	9.9	8.2	12.4





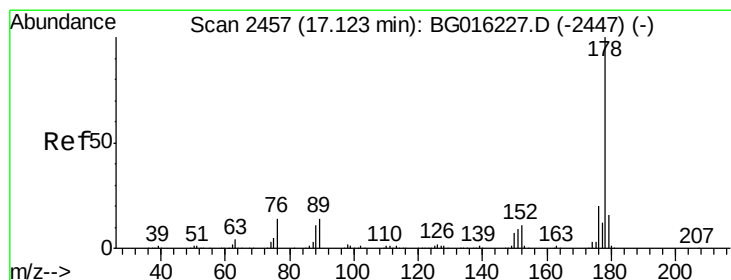
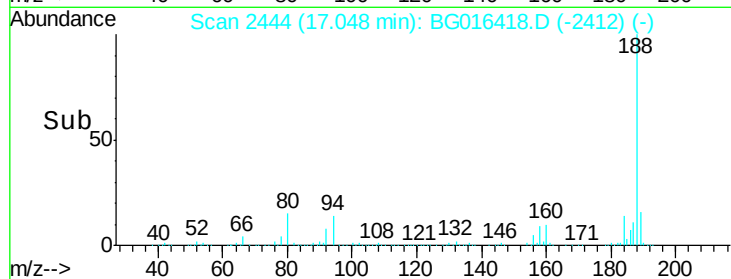
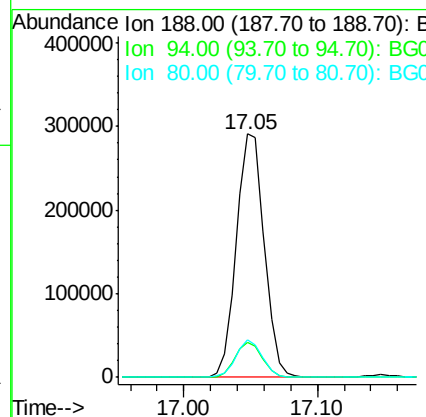
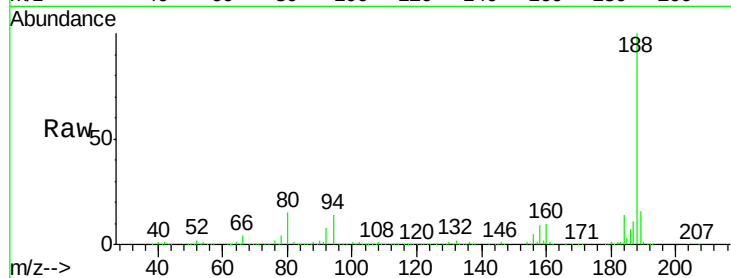
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.05 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Instrument :
BNA_G
ClientSampleId :
PE-9

Tgt Ion:	188	Resp:	423320
Ion Ratio	Lower	Upper	
188	100		
94	14.2	12.2	18.4
80	15.2	12.8	19.2

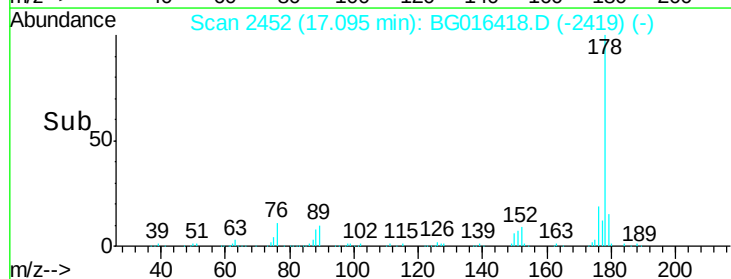
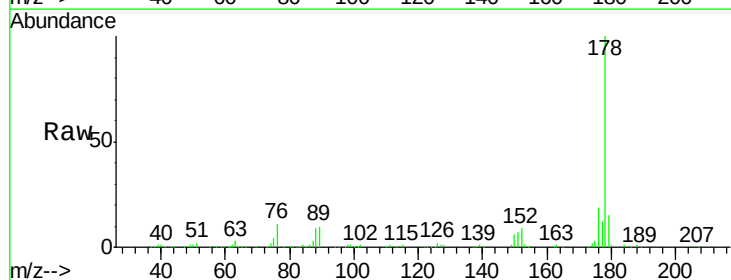
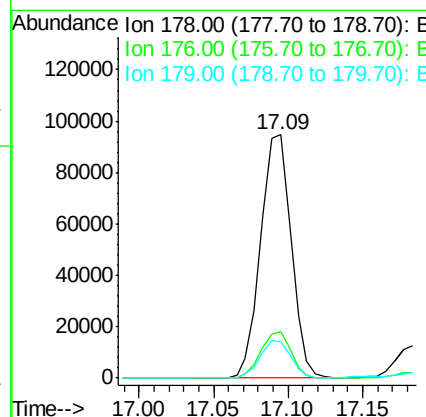
Manual Integrations
APPROVED

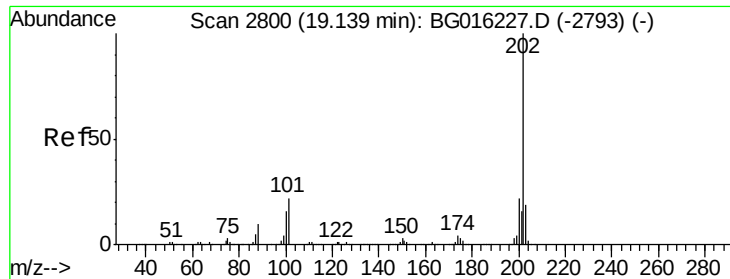
apatel
4/16/2015 3:33:09 PM



#70
Phenanthrene
Concen: 5.64 ng
RT: 17.09 min Scan# 2452
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Tgt Ion:	178	Resp:	134238
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.2	24.4
179	15.1	12.7	19.1





#74

Fluoranthene

Concen: 9.86 ng

RT: 19.11 min Scan# 2795

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Instrument :

BNA_G

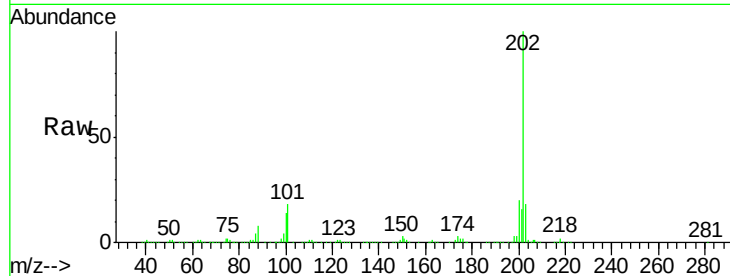
ClientSampled :

PE-9

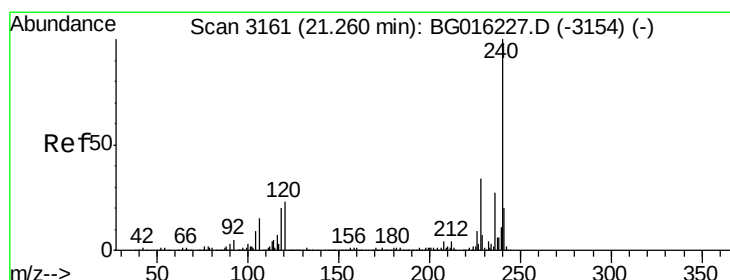
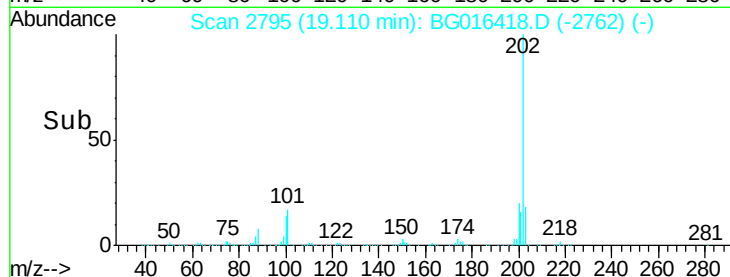
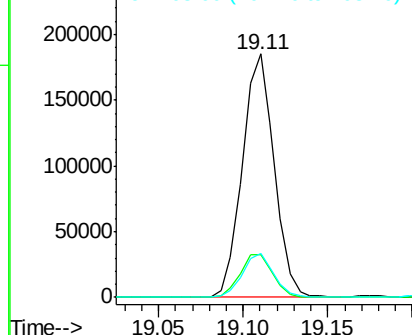
Tgt	Ion	Resp	Lower	Upper
202	100			
101	17.5	1.7	41.7	
203	17.8	0.0	38.7	

Manual Integrations
APPROVED

apatel
4/16/2015 3:33:09 PM



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

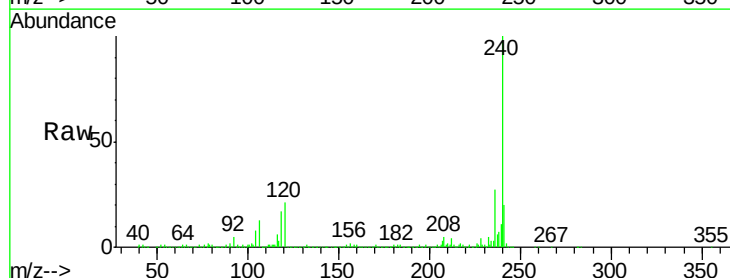
RT: 21.23 min Scan# 3156

Delta R.T. -0.01 min

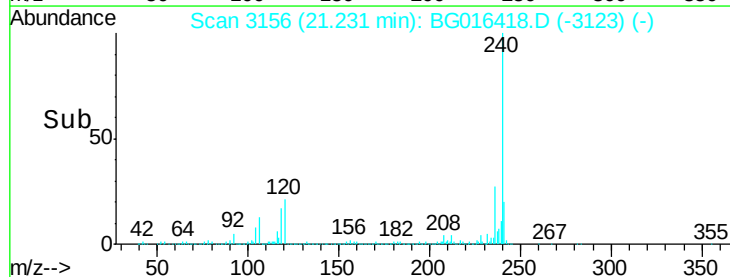
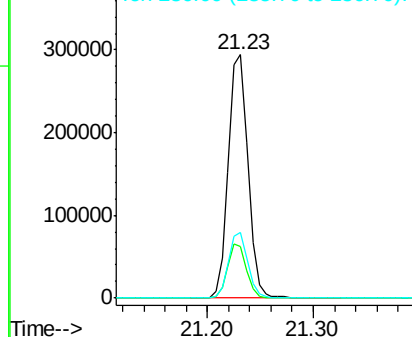
Lab File: BG016418.D

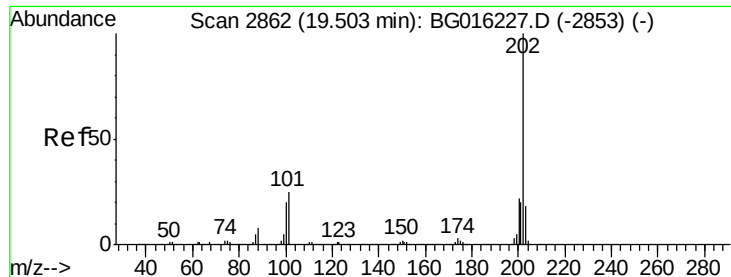
Acq: 15 Apr 2015 12:22

Tgt	Ion	Resp	Lower	Upper
240	100			
120	21.0	18.6	28.0	
236	27.2	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: 9.64 ng

RT: 19.47 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Instrument :

BNA_G

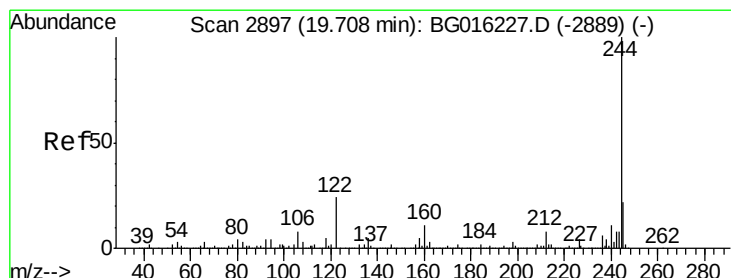
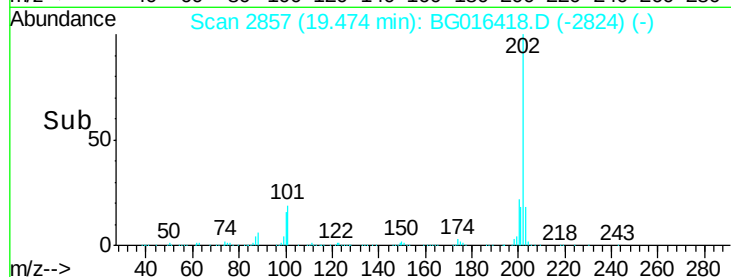
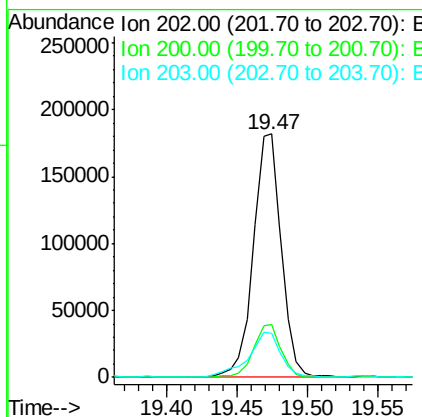
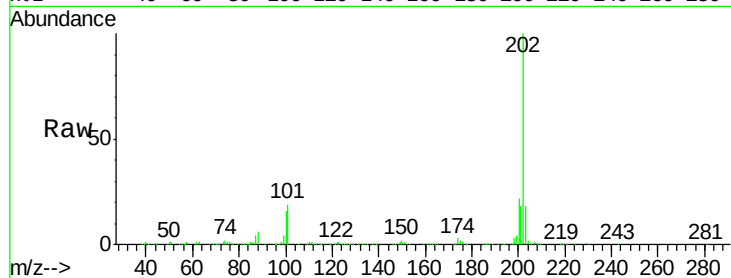
ClientSampled :

PE-9

Tgt Ion:	202	Resp:	254378
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.8	26.8
203	18.3	14.7	22.1

Manual Integrations
APPROVED

apatel
4/16/2015 3:33:09 PM



#78

Terphenyl-d14

Concen: 61.90 ng

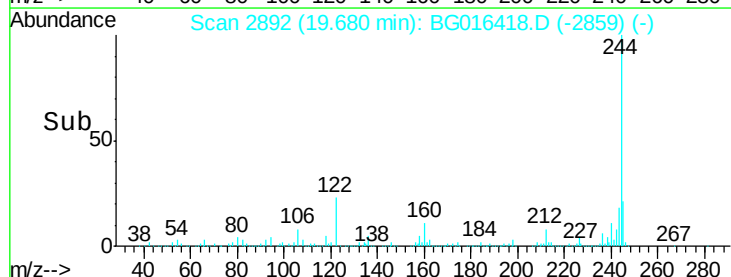
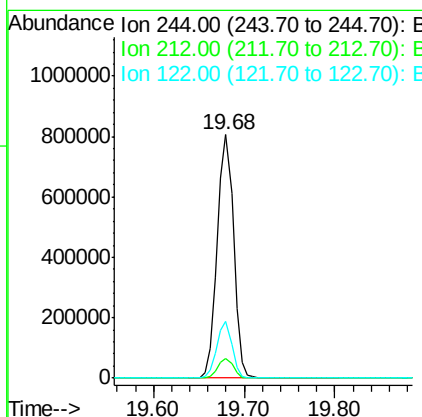
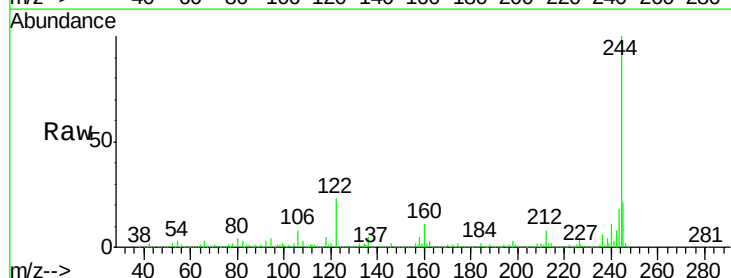
RT: 19.68 min Scan# 2892

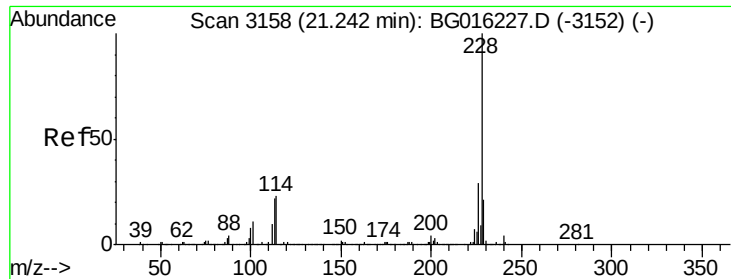
Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Tgt Ion:	244	Resp:	1001967
Ion Ratio		Lower	Upper
244	100		
212	8.0	6.6	9.8
122	23.1	19.1	28.7





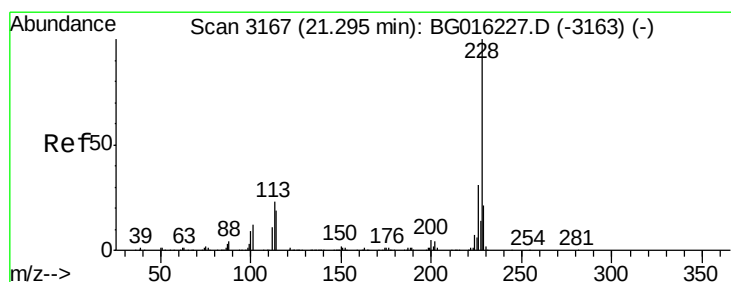
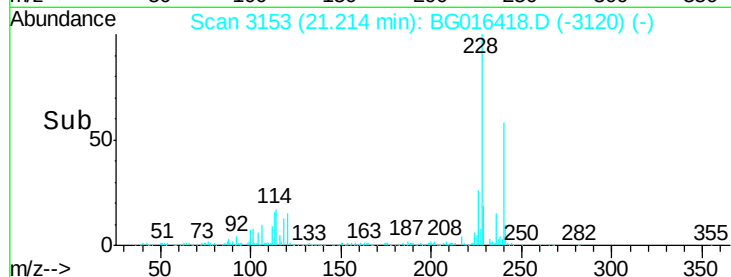
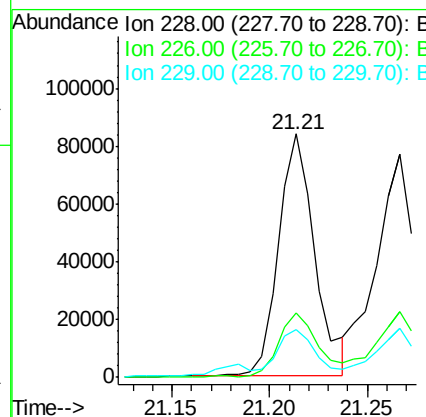
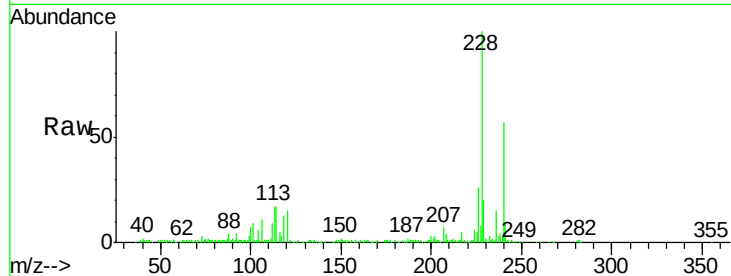
#80
Benzo(a)anthracene
Concen: 4.83 ng
RT: 21.21 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Instrument :
BNA_G
ClientSampleId :
PE-9

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	23.5	35.3
229	19.8	16.8	25.2

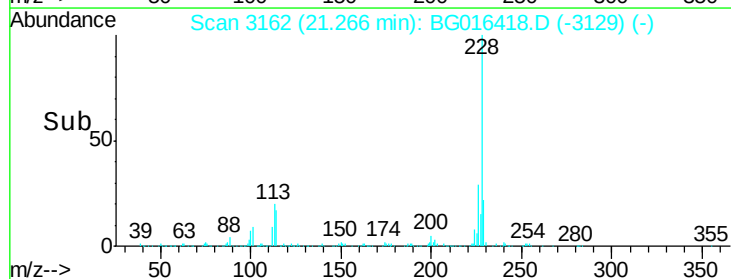
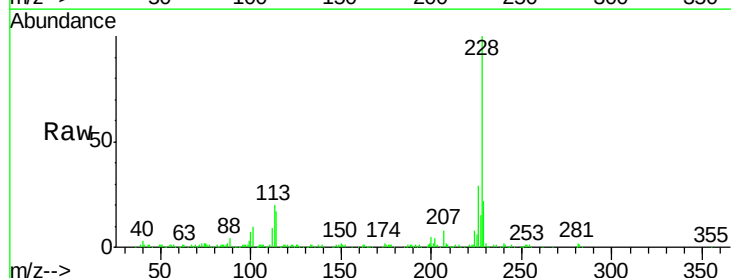
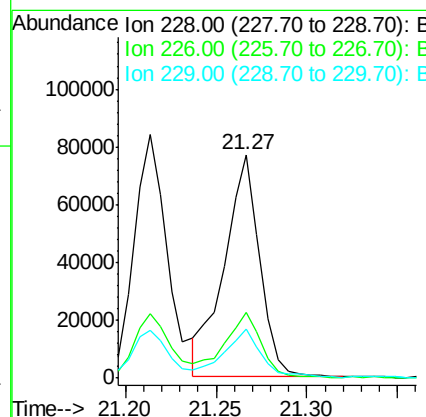
Manual Integrations
APPROVED

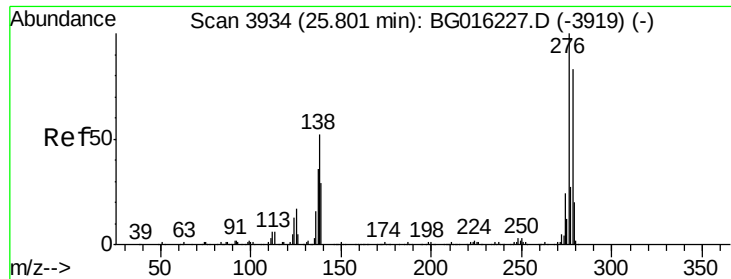
apatel
4/16/2015 3:33:09 PM



#82
Chrysene
Concen: 4.86 ng
RT: 21.27 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.0	37.4
229	21.8	17.0	25.4





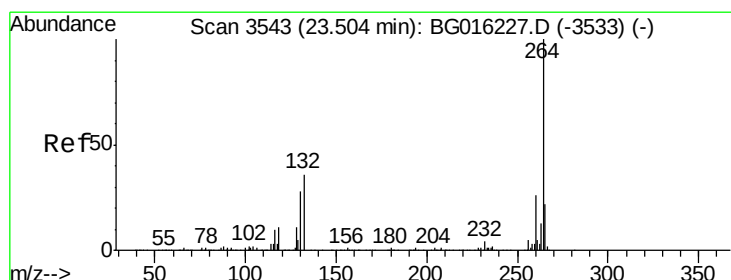
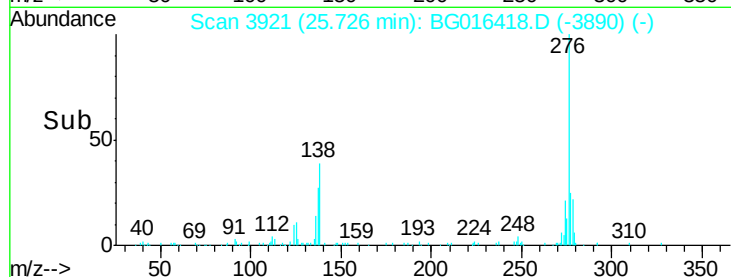
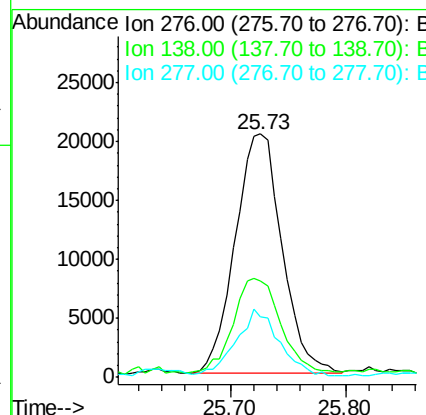
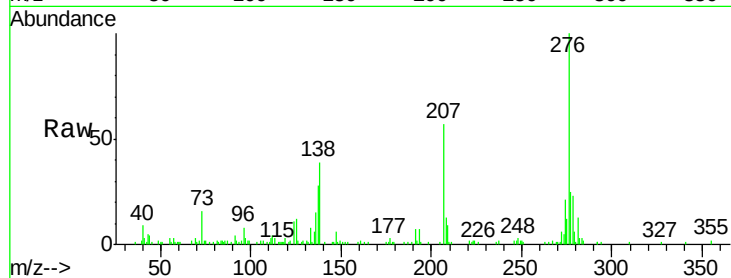
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.56 ng
 RT: 25.73 min Scan# 3921
 Delta R.T. -0.02 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

Instrument :
 BNA_G
 ClientSampled :
 PE-9

Tgt Ion	Ratio	Lower	Upper
276	100		
138	39.7	41.5	62.3#
277	25.1	21.0	31.6

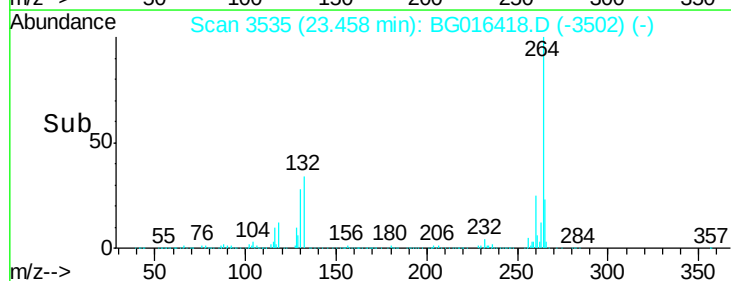
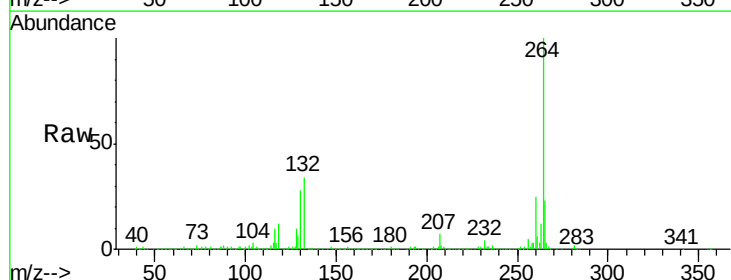
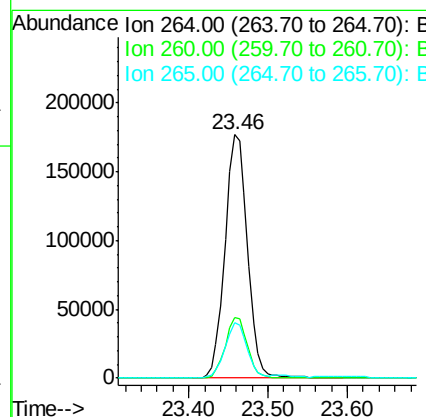
Manual Integrations
 APPROVED

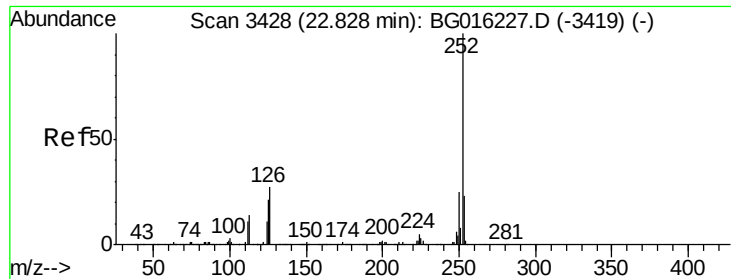
apatel
 4/16/2015 3:33:09 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.46 min Scan# 3535
 Delta R.T. -0.01 min
 Lab File: BG016418.D
 Acq: 15 Apr 2015 12:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.4	30.6
265	23.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.11 ng

RT: 22.79 min Scan# 3421

Delta R.T. -0.01 min

Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Instrument :

BNA_G

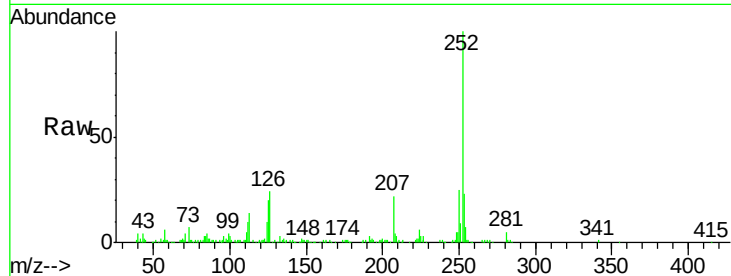
ClientSampleId :

PE-9

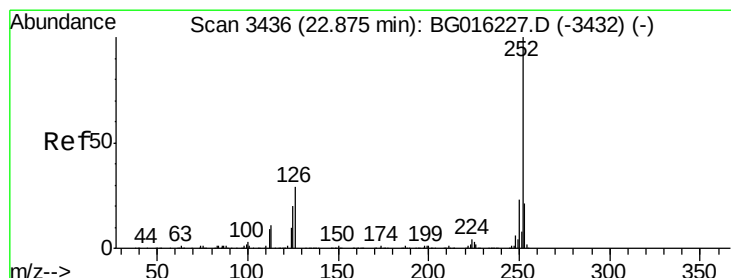
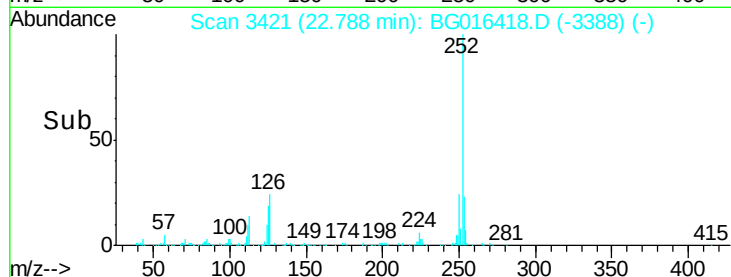
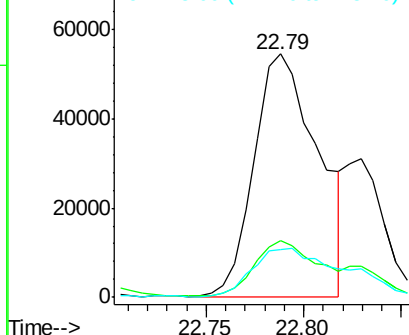
Tgt Ion:	252	Resp:	124516
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.5	27.7
125	19.8	17.0	25.6

Manual Integrations
APPROVED

apatel
4/16/2015 3:33:09 PM



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: 2.12 ng m

RT: 22.83 min Scan# 3428

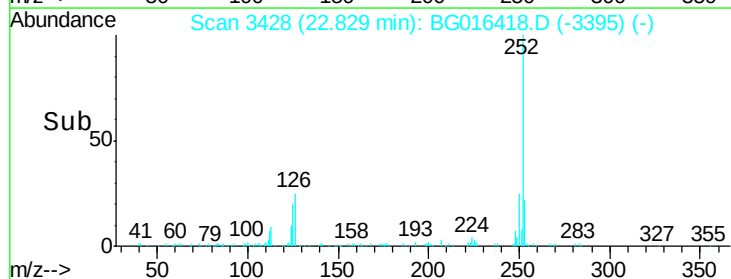
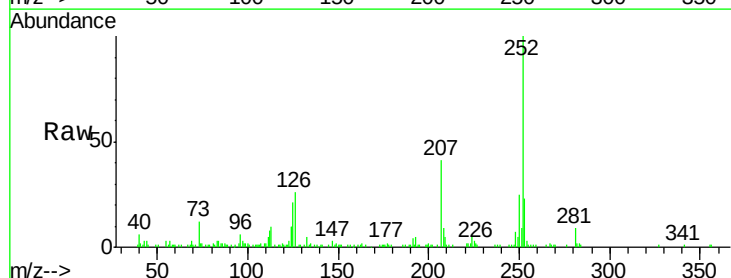
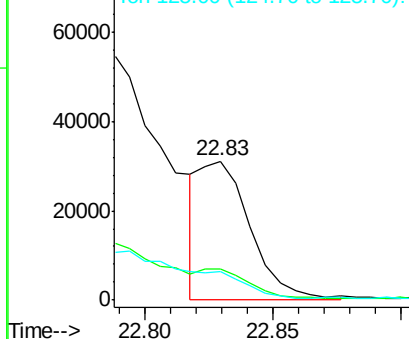
Delta R.T. -0.01 min

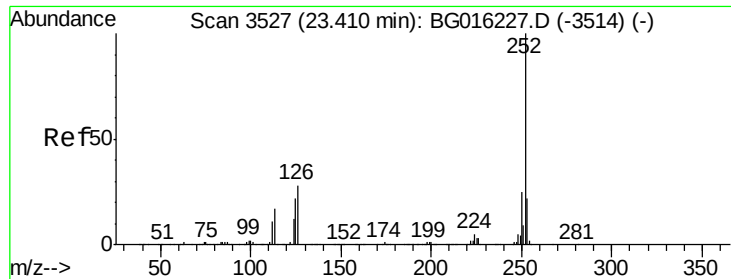
Lab File: BG016418.D

Acq: 15 Apr 2015 12:22

Tgt Ion:	252	Resp:	42381
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	20.6	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





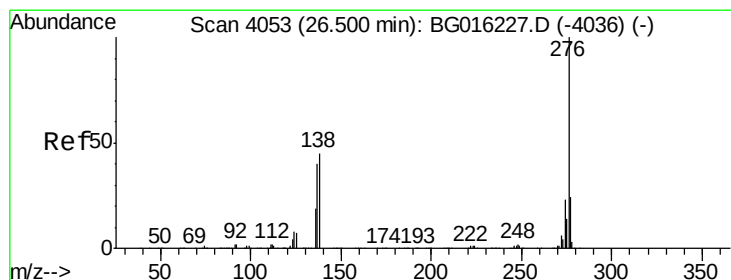
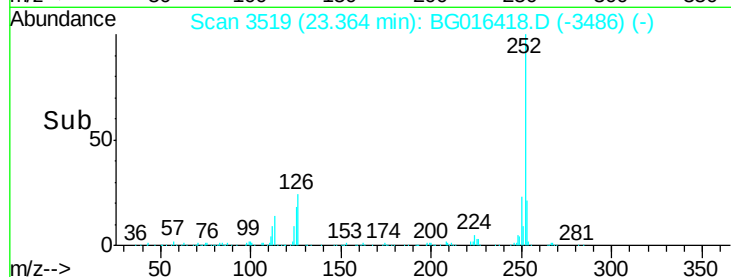
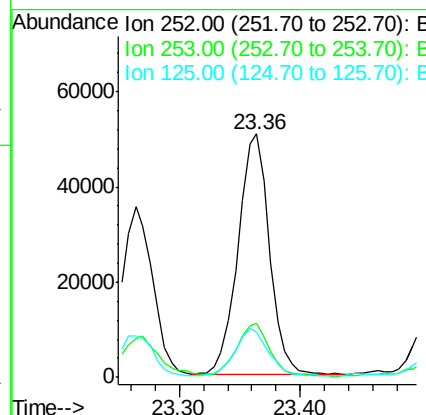
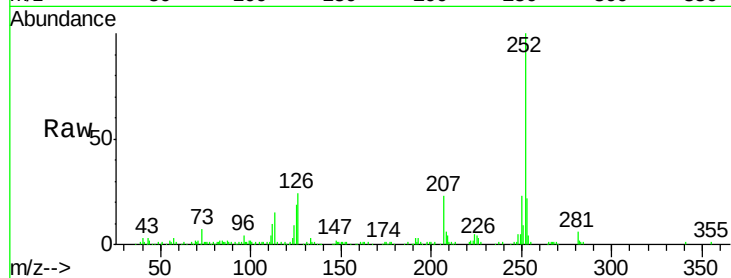
#89
Benzo(a)pyrene
Concen: 4.80 ng
RT: 23.36 min Scan# 3519
Delta R.T. -0.01 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Instrument :
BNA_G
ClientSampleId :
PE-9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	18.6	17.6	26.4

Manual Integrations
APPROVED

apatel
4/16/2015 3:33:09 PM



#91
Benzo(g,h,i)perylene
Concen: 3.24 ng
RT: 26.42 min Scan# 4039
Delta R.T. -0.03 min
Lab File: BG016418.D
Acq: 15 Apr 2015 12:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.5	29.3
138	39.9	35.7	53.5

