

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017541.D
 Acq On : 8 Jun 2015 13:59
 Operator : TP/IZ
 Sample : G2464-06 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-11S

Manual Integrations
 APPROVED

apatel
 6/9/2015 3:55:59 PM

Quant Time: Jun 08 18:50:23 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 18:44:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	20817	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	83321	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	52402	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	114570	20.00	ng	0.00
75) Chrysene-d12	21.23	240	125493	20.00	ng	0.00
86) Perylene-d12	23.47	264	128532	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	66962	56.67	ng	0.00
7) Phenol-d6	6.82	99	91836	57.05	ng	0.00
23) Nitrobenzene-d5	8.77	82	67442	40.41	ng	0.00
41) 2,4,6-Tribromophenol	15.78	330	38456	52.84	ng	0.00
44) 2-Fluorobiphenyl	12.89	172	145656	41.93	ng	0.00
78) Terphenyl-d14	19.67	244	215730	35.53	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.75	163	18877	4.14	ng	97
70) Phenanthrene	17.08	178	61337	9.60	ng	100
71) Anthracene	17.17	178	14807m	2.32	ng	
74) Fluoranthene	19.10	202	113711	13.61	ng	95
77) Pyrene	19.47	202	116081	15.02	ng	97
80) Benzo(a)anthracene	21.21	228	60609	7.85	ng	95
82) Chrysene	21.27	228	57909	8.29	ng	98
85) Indeno(1,2,3-cd)pyrene	25.74	276	45279	5.16	ng	97
87) Benzo(b)fluoranthene	22.79	252	80569	9.89	ng	# 98
88) Benzo(k)fluoranthene	22.83	252	26493m	3.40	ng	
89) Benzo(a)pyrene	23.37	252	64968	8.70	ng	97
91) Benzo(g,h,i)perylene	26.43	276	45187	6.12	ng	96

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

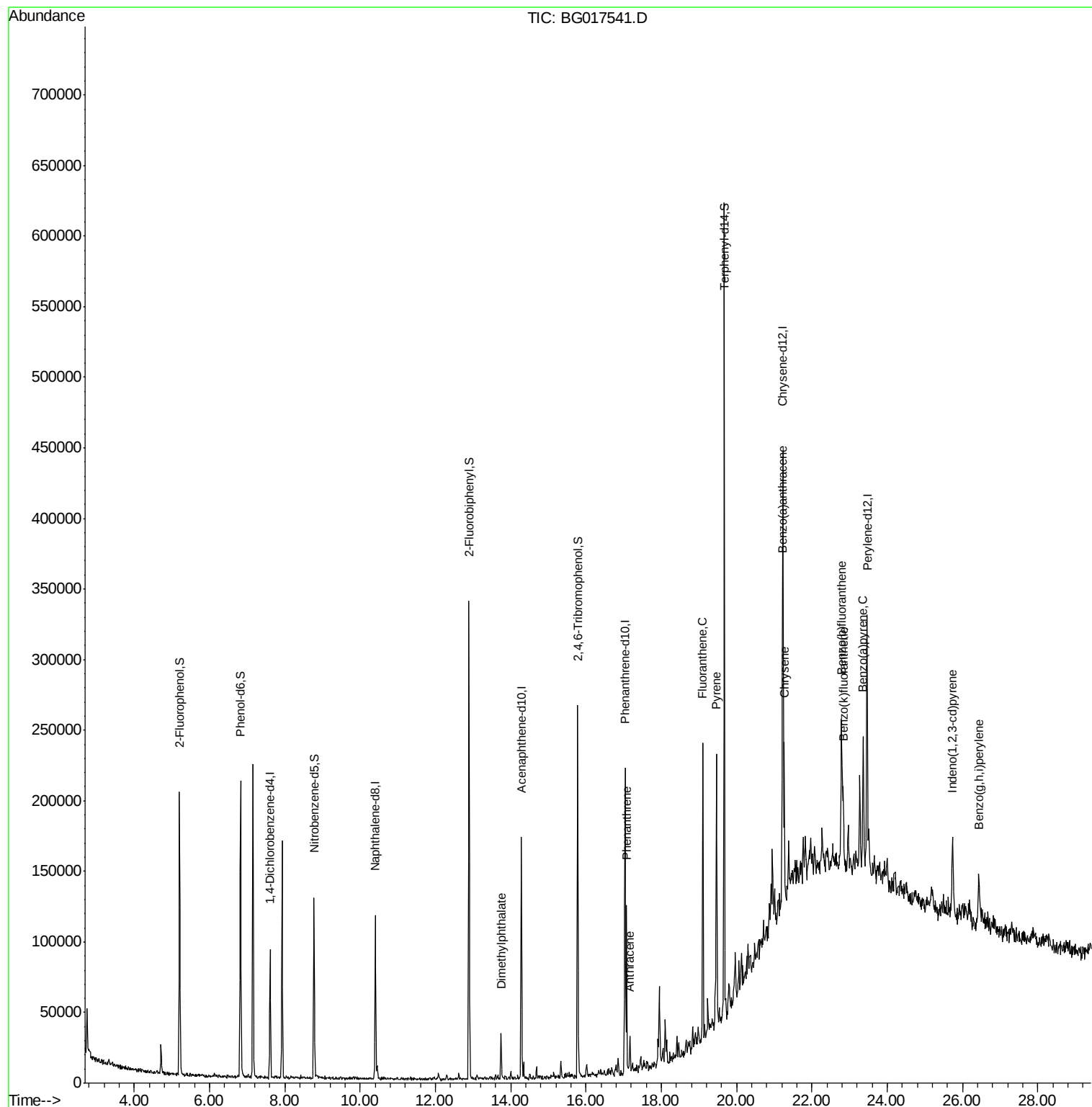
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017541.D
Acq On : 8 Jun 2015 13:59
Operator : TP/IZ
Sample : G2464-06 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

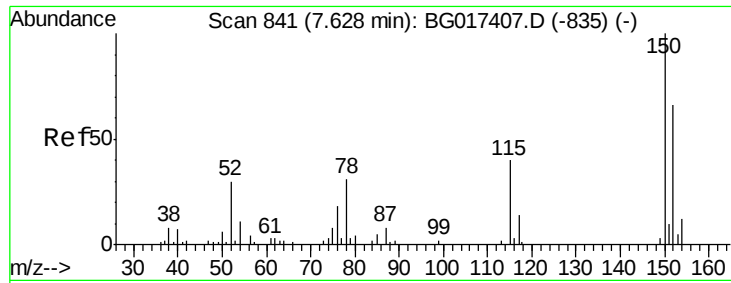
Instrument :
BNA_G
ClientSampleId :
SB-11S

Manual Integrations
APPROVED

apatel
6/9/2015 3:55:59 PM

Quant Time: Jun 08 18:50:23 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 18:44:16 2015
Response via : Initial Calibration





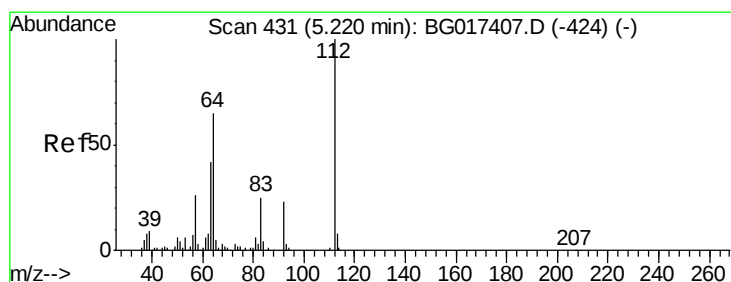
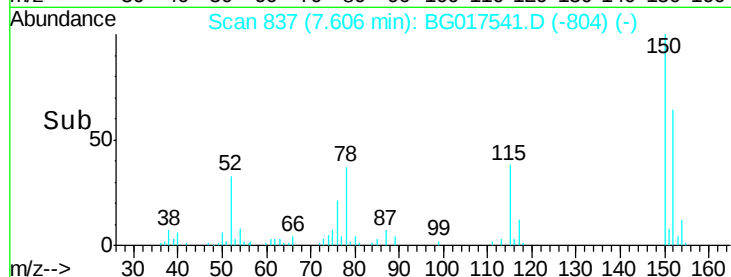
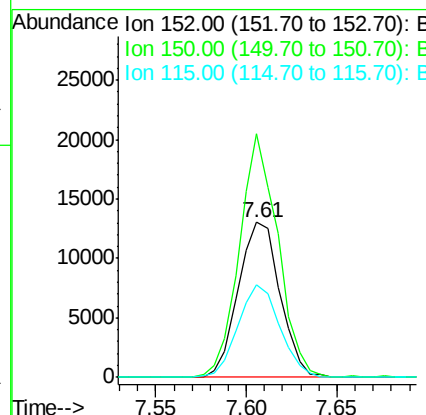
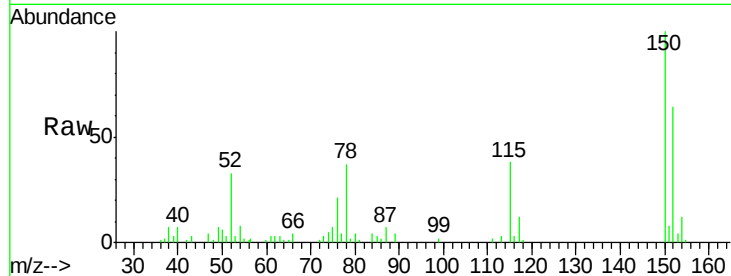
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.61 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BG017541.D
 Acq: 8 Jun 2015 13:59

Instrument :
 BNA_G
 ClientSampled :
 SB-11S

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	20817		
150	157.4	115.1	172.7	
115	59.9	44.0	66.0	

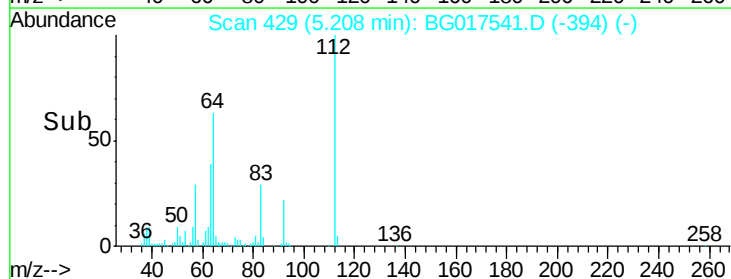
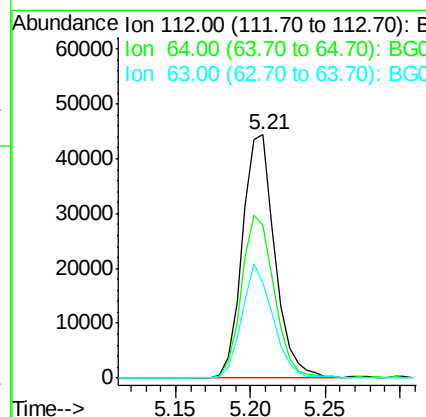
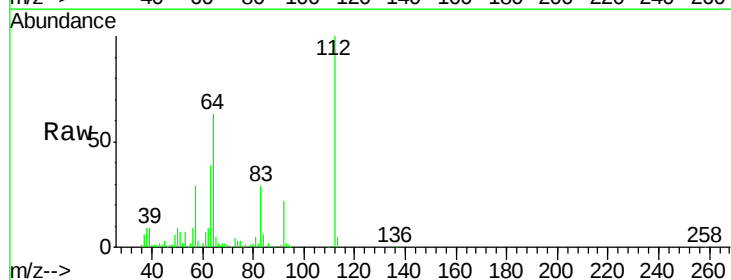
Manual Integrations
 APPROVED

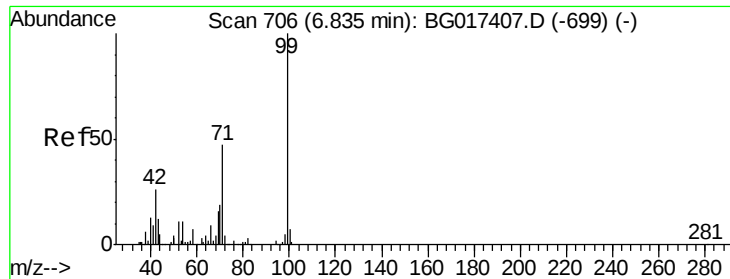
apatel
 6/9/2015 3:55:59 PM



#5
 2-Fluorophenol
 Concen: 56.67 ng
 RT: 5.21 min Scan# 429
 Delta R.T. 0.01 min
 Lab File: BG017541.D
 Acq: 8 Jun 2015 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	66962		
64	63.0	53.4	80.2	
63	39.1	36.6	54.8	





#7

Phenol-d6

Concen: 57.05 ng

RT: 6.82 min Scan# 704

Delta R.T. 0.01 min

Lab File: BG017541.D

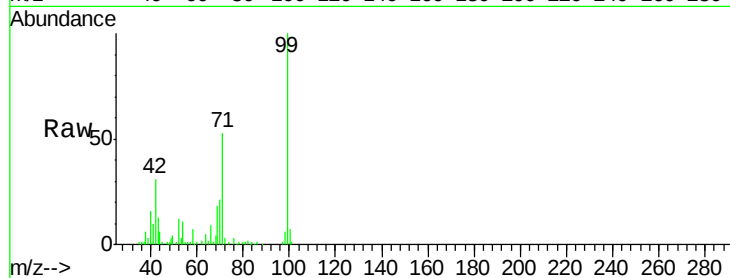
Acq: 8 Jun 2015 13:59

Instrument :

BNA_G

ClientSampleId :

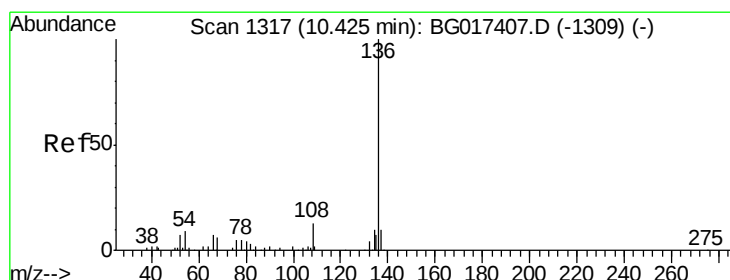
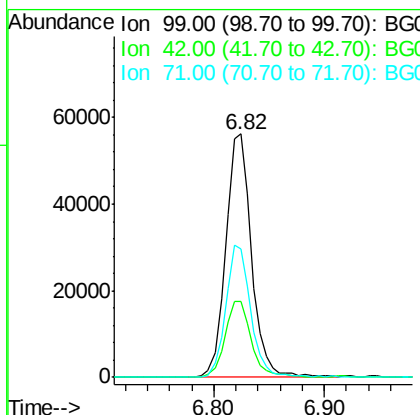
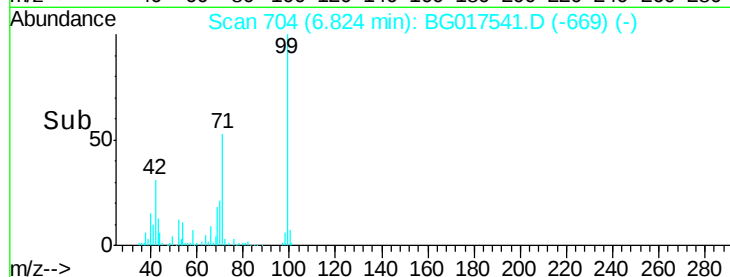
SB-11S



Tgt Ion	Ratio	Lower	Upper
99	100		
42	31.0	26.4	39.6
71	52.9	44.4	66.6

Manual Integrations
APPROVED

apatel
6/9/2015 3:55:59 PM



#21

Naphthalene-d8

Concen: 20.00 ng

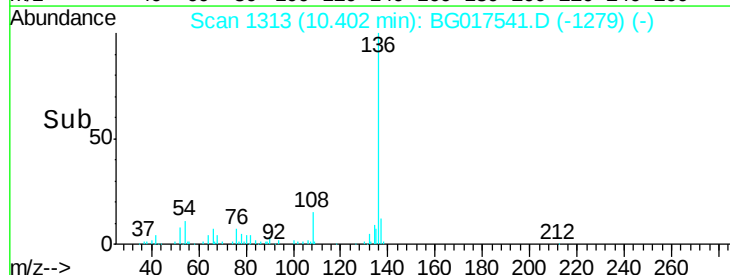
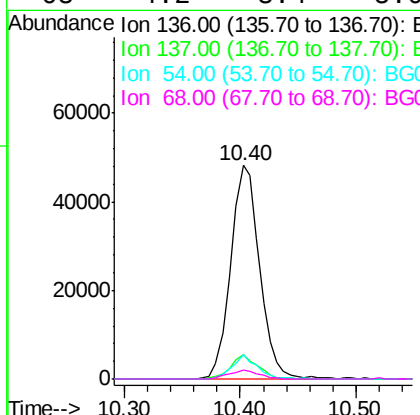
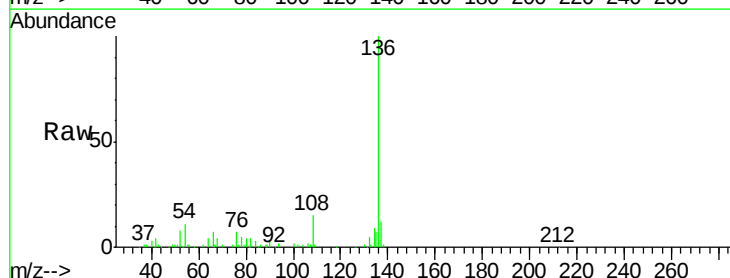
RT: 10.40 min Scan# 1313

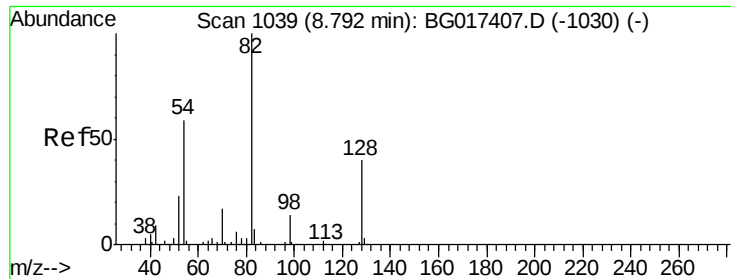
Delta R.T. -0.00 min

Lab File: BG017541.D

Acq: 8 Jun 2015 13:59

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	7.7	11.5#
54	11.5	7.3	10.9#
68	4.2	3.4	5.0





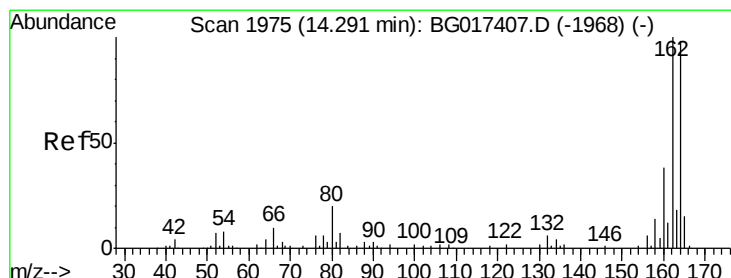
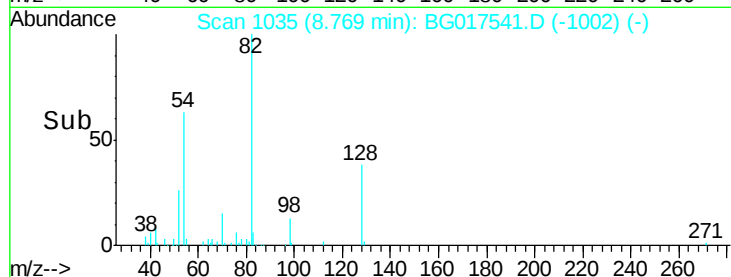
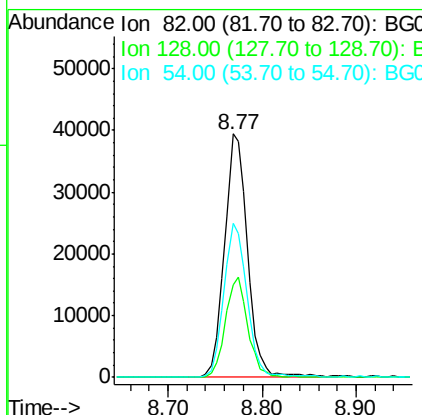
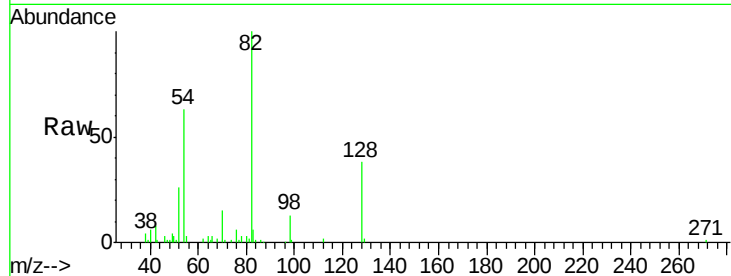
#23
 Nitrobenzene-d5
 Concen: 40.41 ng
 RT: 8.77 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG017541.D
 Acq: 8 Jun 2015 13:59

Instrument :
 BNA_G
 ClientSampled :
 SB-11S

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.9	29.5	44.3
54	63.2	47.9	71.9

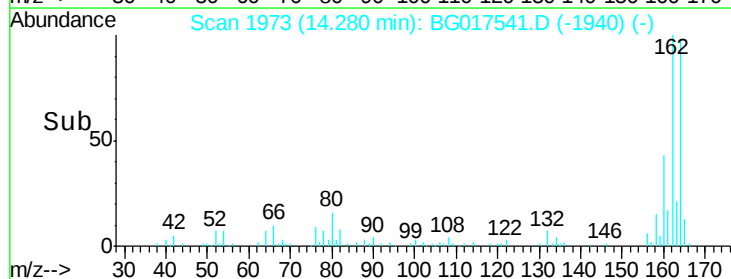
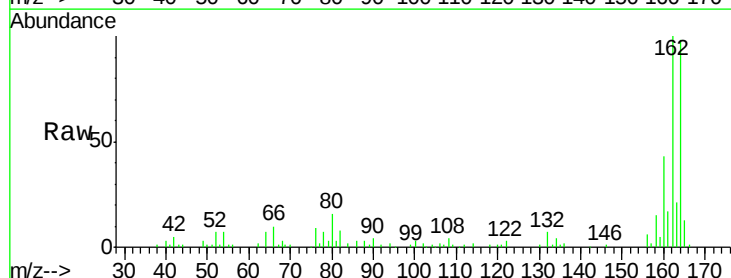
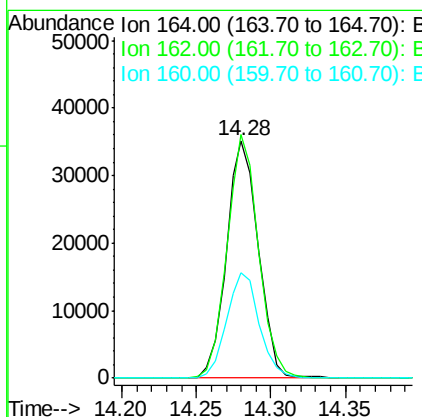
Manual Integrations
 APPROVED

apatel
 6/9/2015 3:55:59 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.28 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: BG017541.D
 Acq: 8 Jun 2015 13:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	73.1	109.7
160	44.1	32.4	48.6





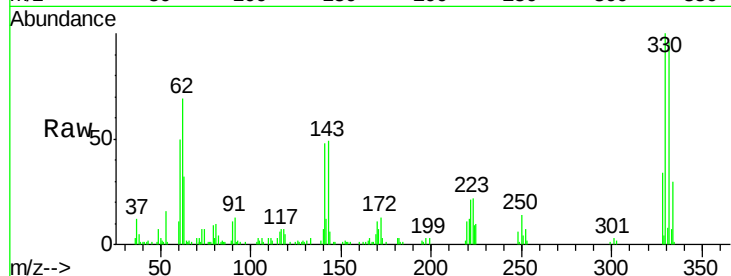
#41
 2,4,6-Tribromophenol
 Concen: 52.84 ng
 RT: 15.78 min Scan# 2229
 Delta R.T. -0.00 min
 Lab File: BG017541.D
 Acq: 8 Jun 2015 13:59

Instrument :
 BNA_G
 ClientSampled :
 SB-11S

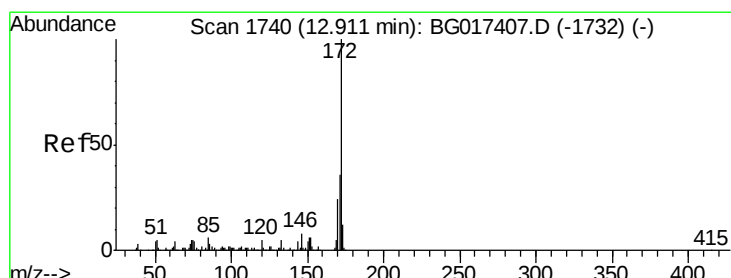
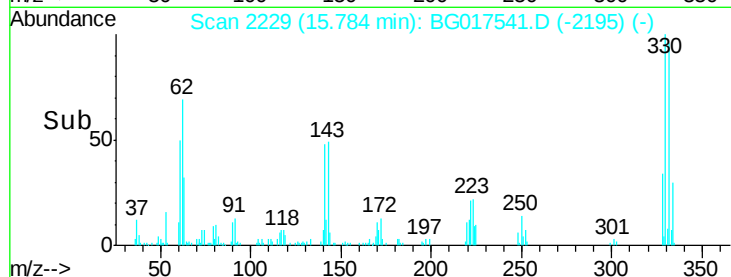
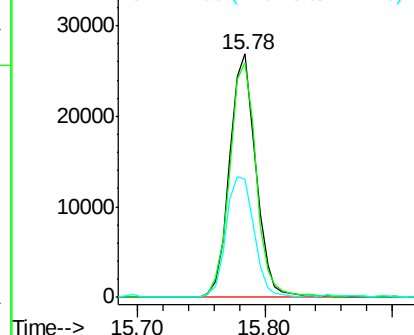
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	38456		
332	98.1	75.0	112.6	
141	52.8	41.0	61.4	

Manual Integrations
 APPROVED

apatel
 6/9/2015 3:55:59 PM



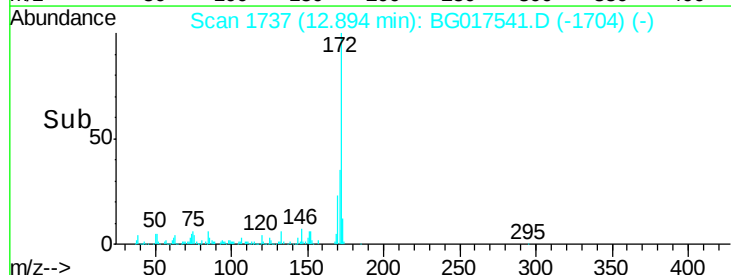
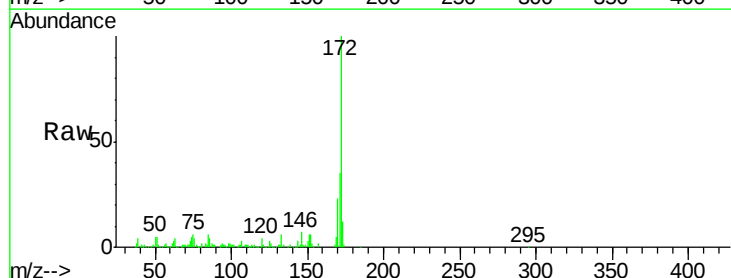
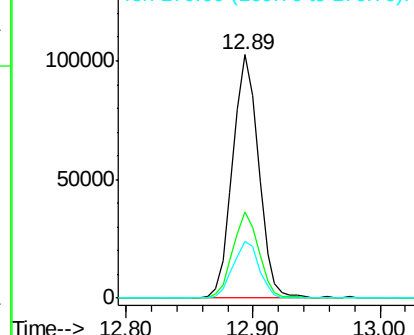
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 41.93 ng
 RT: 12.89 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG017541.D
 Acq: 8 Jun 2015 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	145656		
171	35.2	28.6	43.0	
170	23.5	18.0	27.0	

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





#49

Dimethylphthalate

Concen: 4.14 ng

RT: 13.75 min Scan# 1882

Delta R.T. -0.01 min

Lab File: BG017541.D

Acq: 8 Jun 2015 13:59

Instrument :

BNA_G

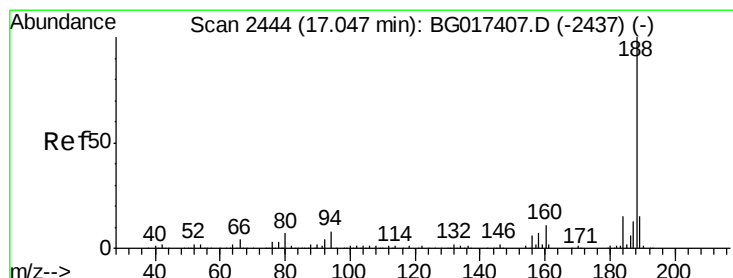
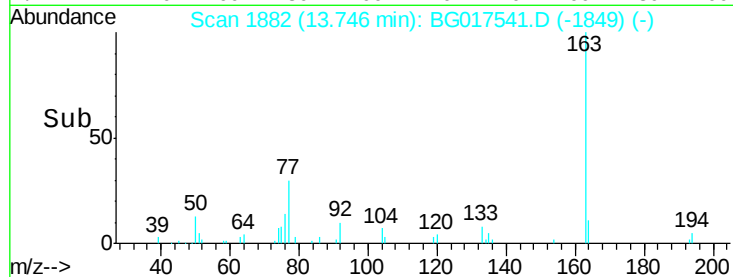
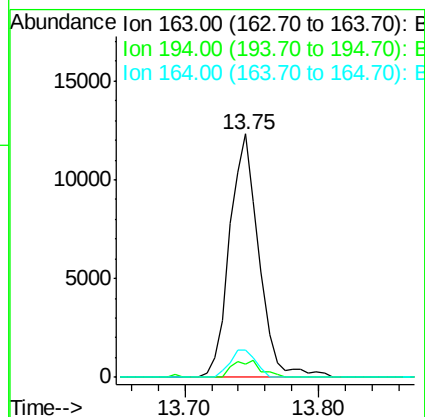
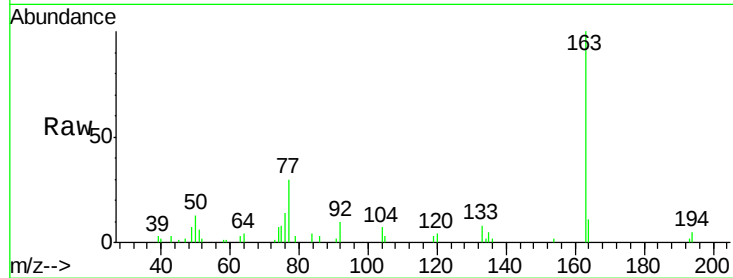
ClientSampleId :

SB-11S

Tgt Ion:	163	Resp:	18877
Ion Ratio	Lower	Upper	
163	100		
194	5.3	4.9	7.3
164	11.2	7.8	11.6

Manual Integrations
APPROVED

apatel
6/9/2015 3:55:59 PM



#63

Phenanthrene-d10

Concen: 20.00 ng

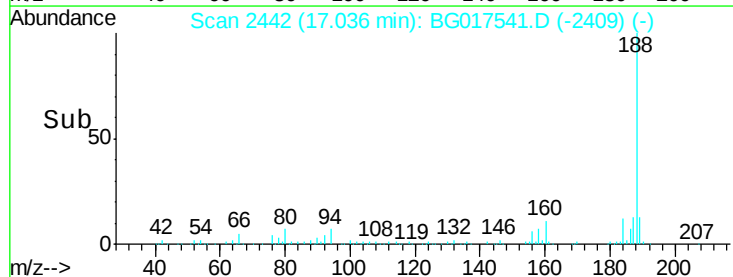
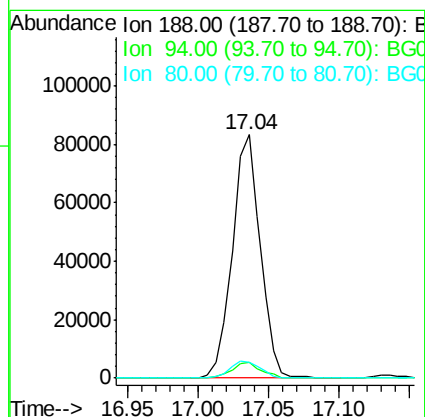
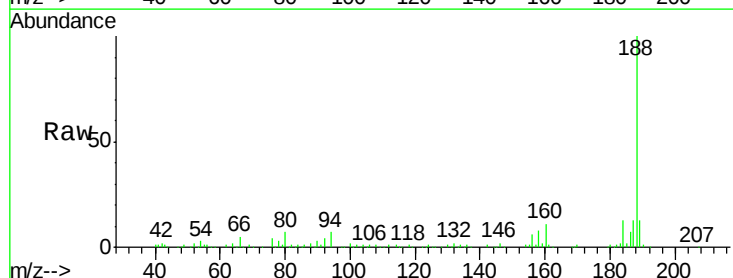
RT: 17.04 min Scan# 2442

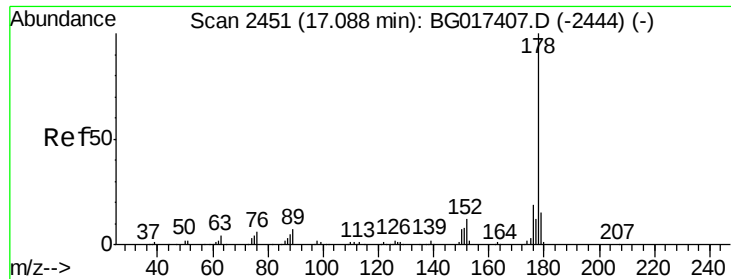
Delta R.T. -0.01 min

Lab File: BG017541.D

Acq: 8 Jun 2015 13:59

Tgt Ion:	188	Resp:	114570
Ion Ratio	Lower	Upper	
188	100		
94	6.7	5.2	7.8
80	6.7	5.1	7.7





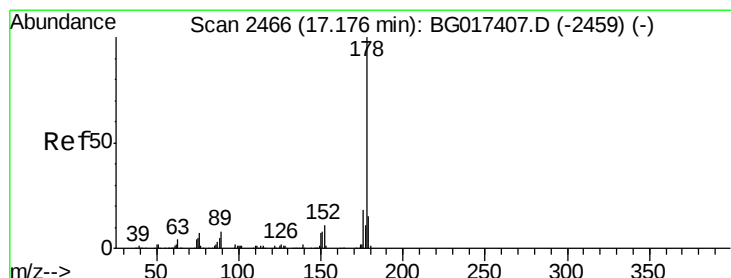
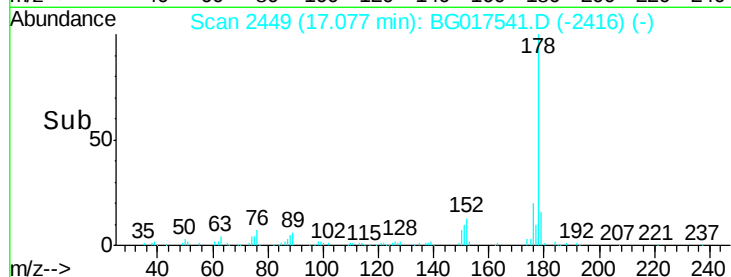
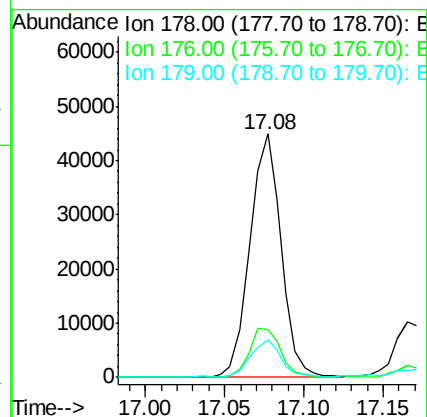
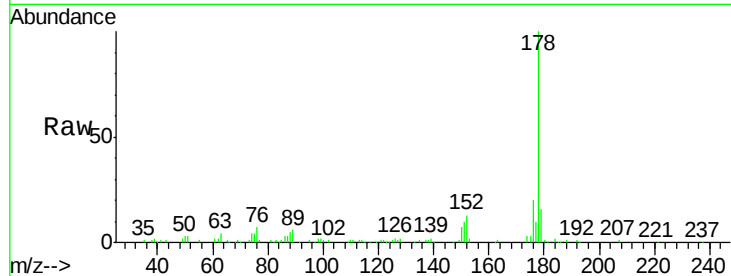
#70
Phenanthrene
Concen: 9.60 ng
RT: 17.08 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BG017541.D
Acq: 8 Jun 2015 13:59

Instrument :
BNA_G
ClientSampleId :
SB-11S

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.6	23.4
179	15.6	12.4	18.6

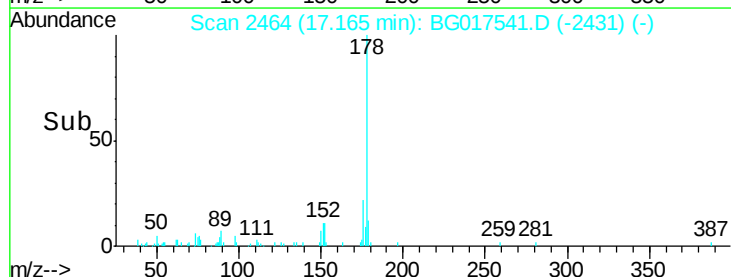
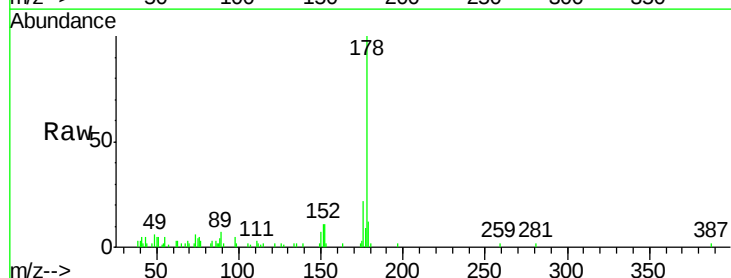
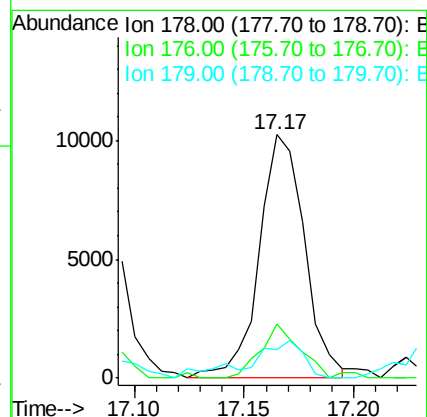
Manual Integrations
APPROVED

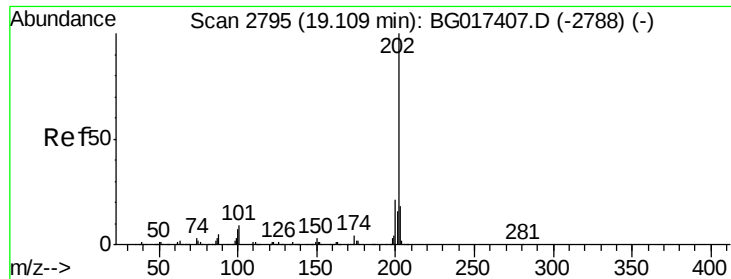
apatel
6/9/2015 3:55:59 PM



#71
Anthracene
Concen: 2.32 ng m
RT: 17.17 min Scan# 2464
Delta R.T. -0.01 min
Lab File: BG017541.D
Acq: 8 Jun 2015 13:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.2	15.0	22.4
179	11.6	11.7	17.5#





#74

Fluoranthene

Concen: 13.61 ng

RT: 19.10 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BG017541.D

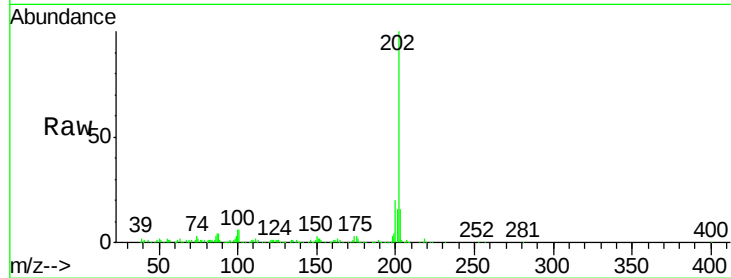
Acq: 8 Jun 2015 13:59

Instrument :

BNA_G

ClientSampleId :

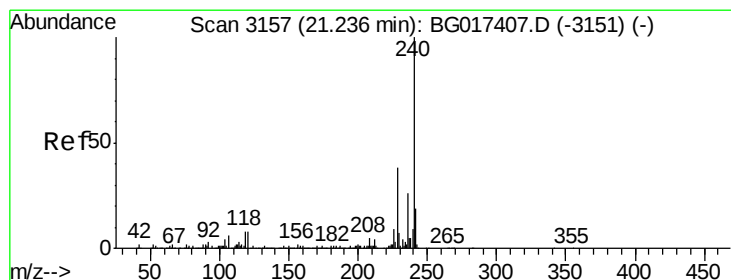
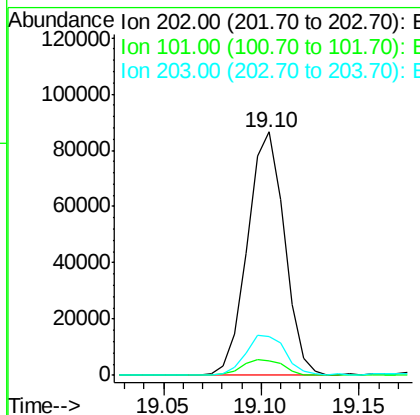
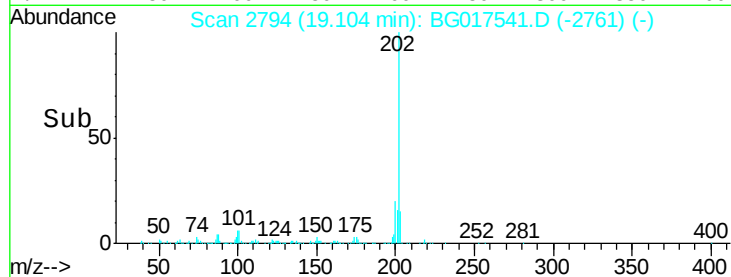
SB-11S



Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	5.9	0.0	27.5
203	15.7	0.0	37.9

Manual Integrations
APPROVED

apatel
6/9/2015 3:55:59 PM



#75

Chrysene-d12

Concen: 20.00 ng

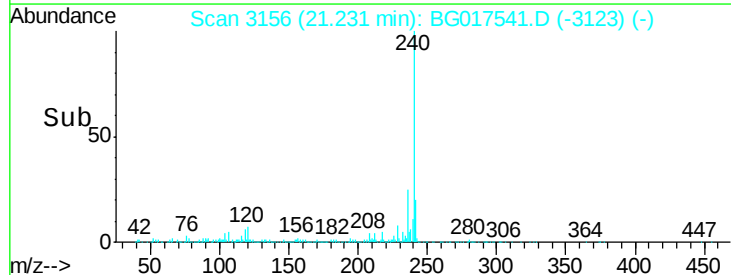
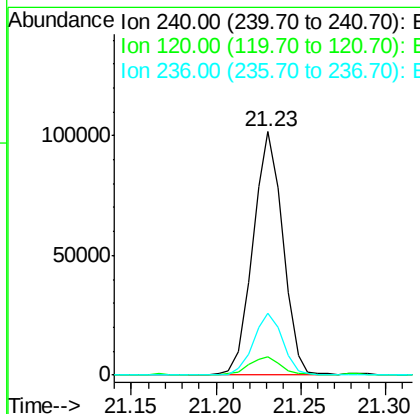
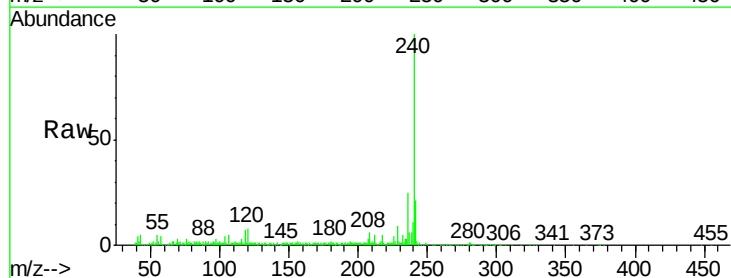
RT: 21.23 min Scan# 3156

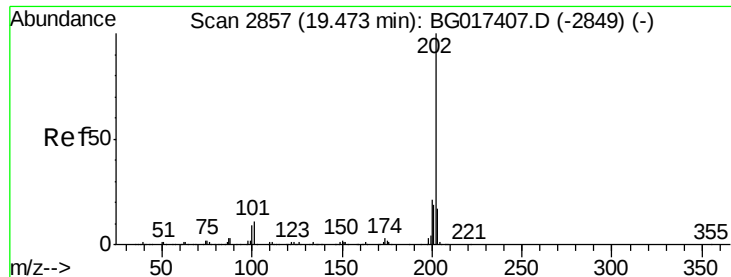
Delta R.T. -0.01 min

Lab File: BG017541.D

Acq: 8 Jun 2015 13:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	7.6	5.6	8.4
236	25.4	20.0	30.0





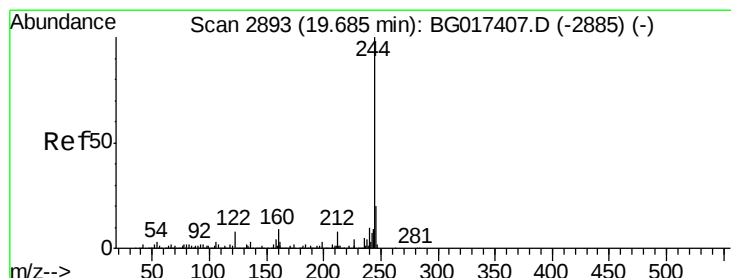
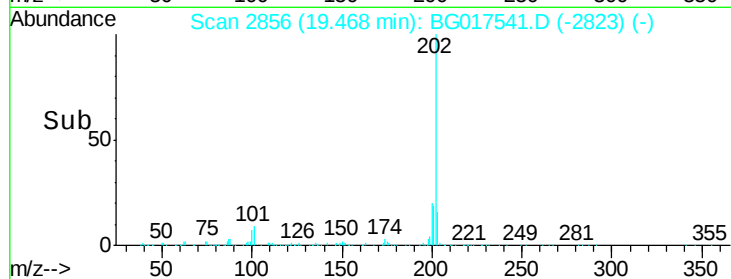
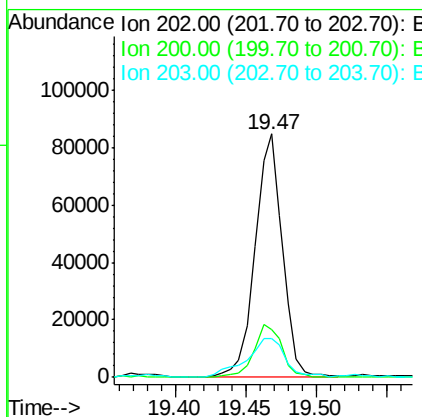
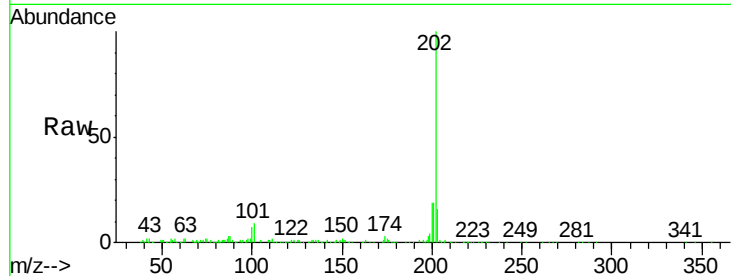
#77
 Pyrene
 Concen: 15.02 ng
 RT: 19.47 min Scan# 2856
 Delta R.T. -0.01 min
 Lab File: BG017541.D
 Acq: 8 Jun 2015 13:59

Instrument :
 BNA_G
 ClientSampleId :
 SB-11S

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.4	16.8	25.2	
203	15.8	13.5	20.3	

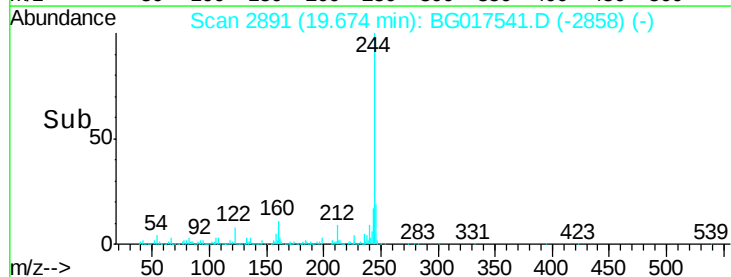
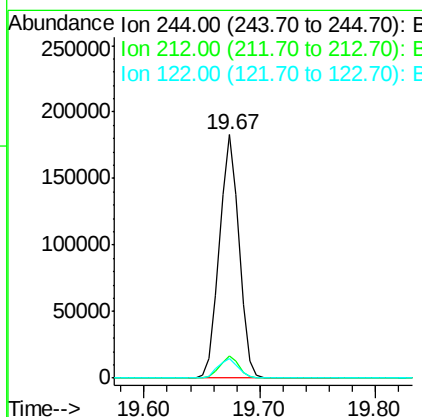
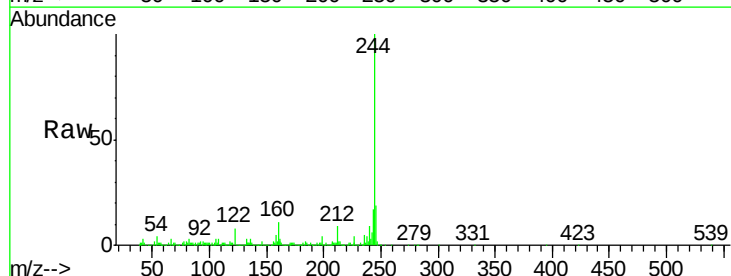
Manual Integrations
 APPROVED

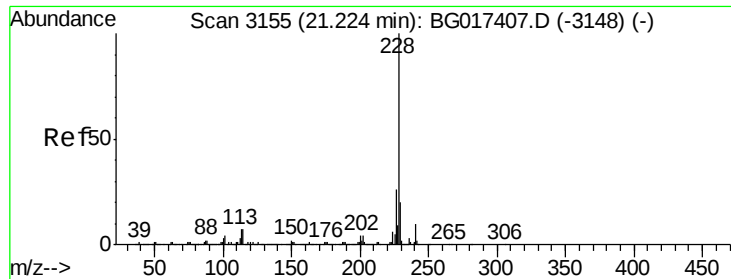
apatel
 6/9/2015 3:55:59 PM



#78
 Terphenyl-d14
 Concen: 35.53 ng
 RT: 19.67 min Scan# 2891
 Delta R.T. -0.01 min
 Lab File: BG017541.D
 Acq: 8 Jun 2015 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	9.1	7.0	10.4	
122	7.9	7.1	10.7	





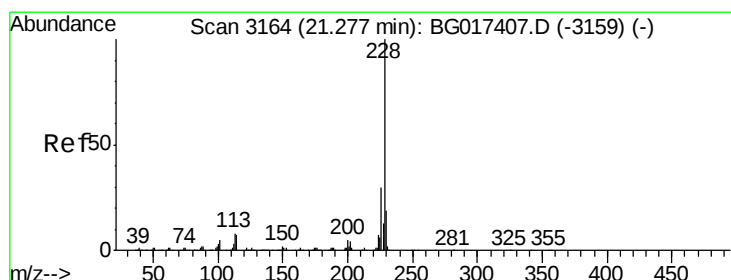
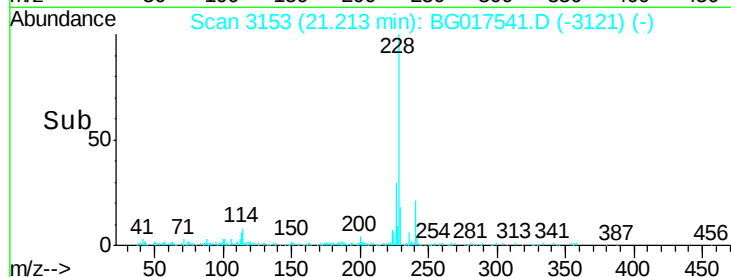
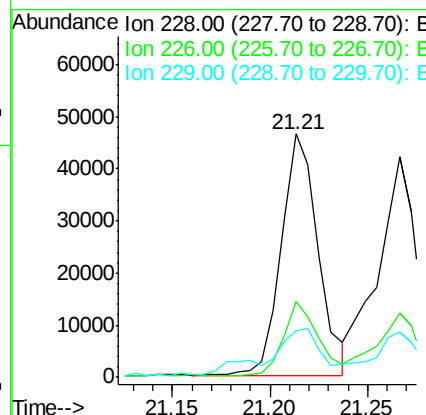
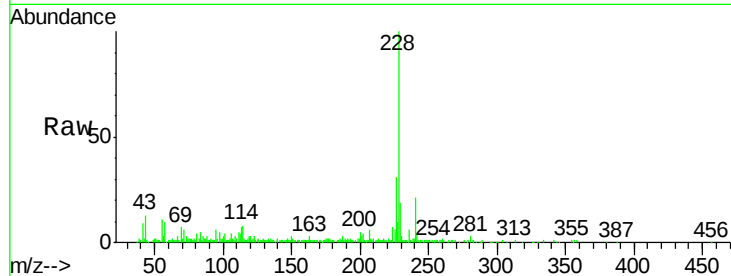
#80
Benzo(a)anthracene
Concen: 7.85 ng
RT: 21.21 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BG017541.D
Acq: 8 Jun 2015 13:59

Instrument :
BNA_G
ClientSampleId :
SB-11S

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.8	32.6
229	19.3	16.1	24.1

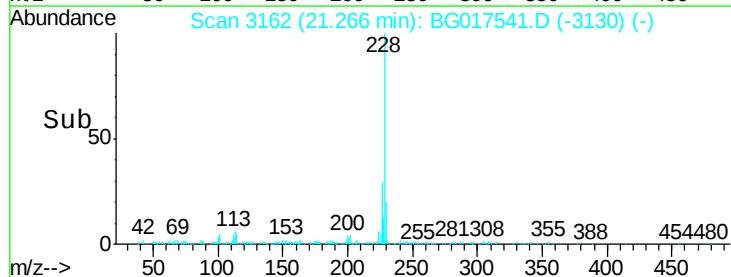
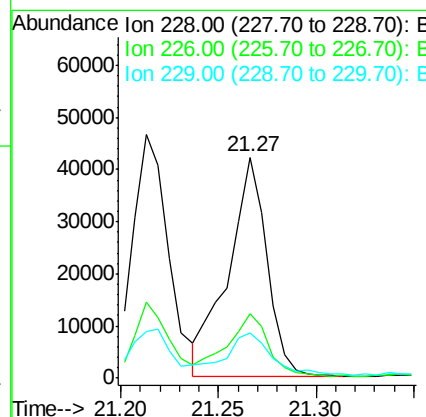
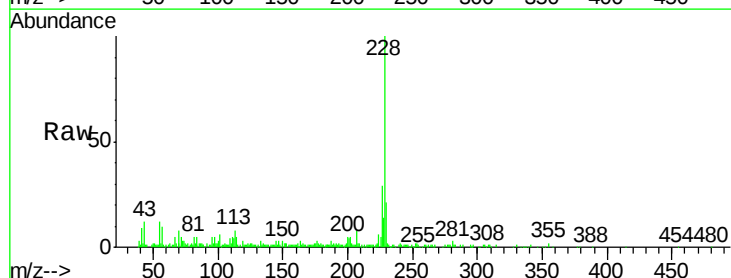
Manual Integrations
APPROVED

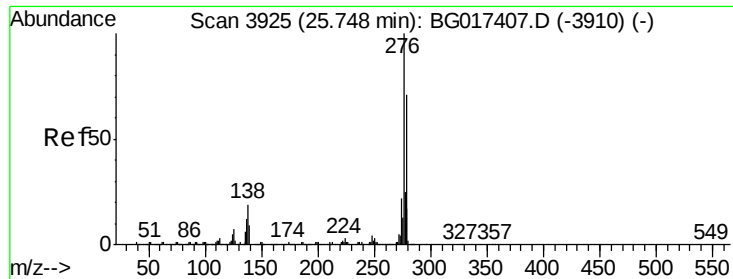
apatel
6/9/2015 3:55:59 PM



#82
Chrysene
Concen: 8.29 ng
RT: 21.27 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG017541.D
Acq: 8 Jun 2015 13:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.0	34.4
229	20.8	15.0	22.4





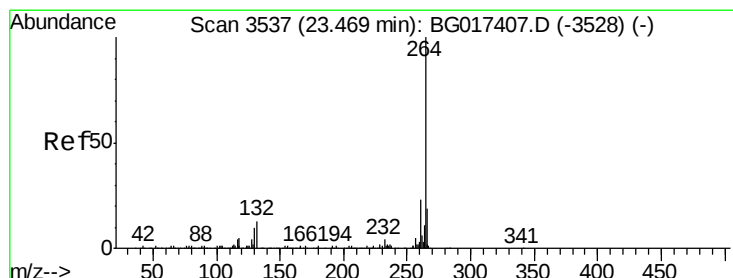
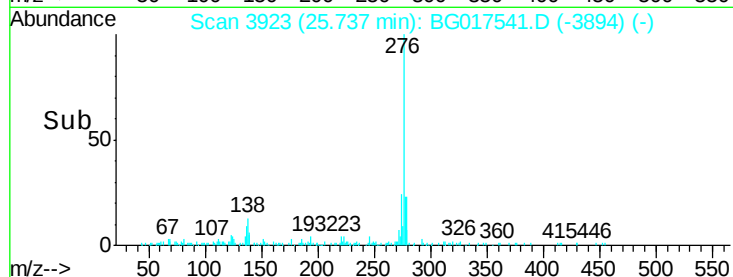
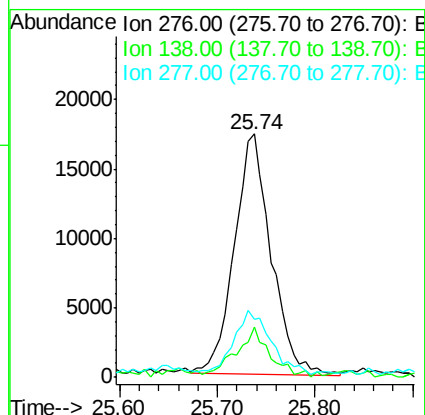
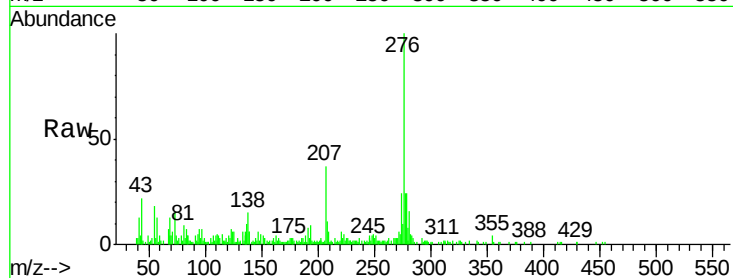
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.16 ng
 RT: 25.74 min Scan# 3923
 Delta R.T. -0.03 min
 Lab File: BG017541.D
 Acq: 8 Jun 2015 13:59

Instrument :
 BNA_G
 ClientSampleId :
 SB-11S

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	13.7	20.5
277	27.1	21.0	31.6

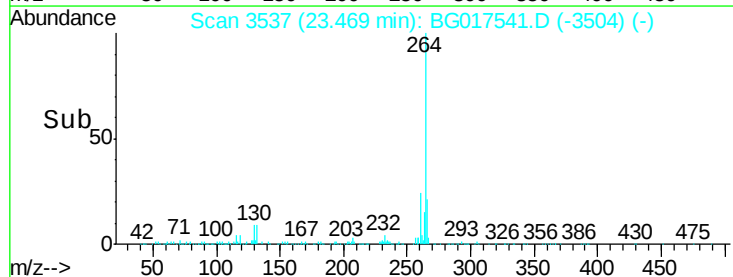
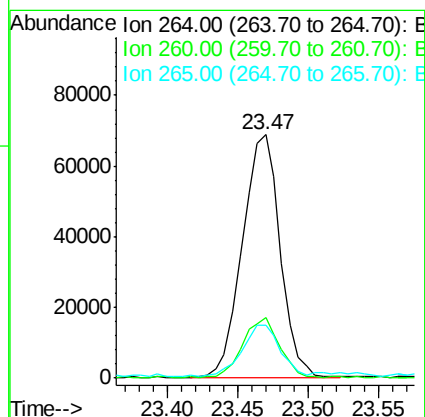
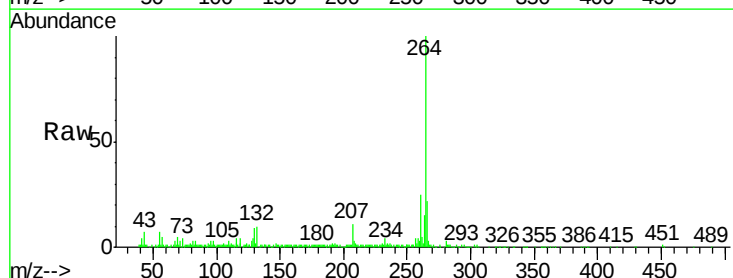
Manual Integrations
 APPROVED

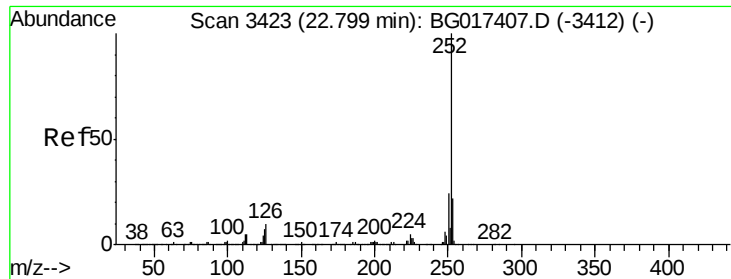
apatel
 6/9/2015 3:55:59 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.47 min Scan# 3537
 Delta R.T. -0.01 min
 Lab File: BG017541.D
 Acq: 8 Jun 2015 13:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.3	25.9
265	21.6	16.8	25.2





#87

Benzo(b)fluoranthene

Concen: 9.89 ng

RT: 22.79 min Scan# 3422

Delta R.T. -0.01 min

Lab File: BG017541.D

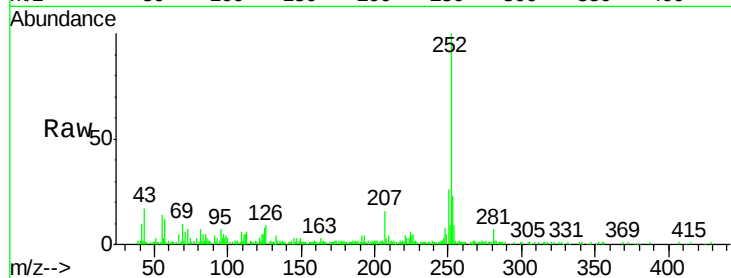
Acq: 8 Jun 2015 13:59

Instrument :

BNA_G

ClientSampled :

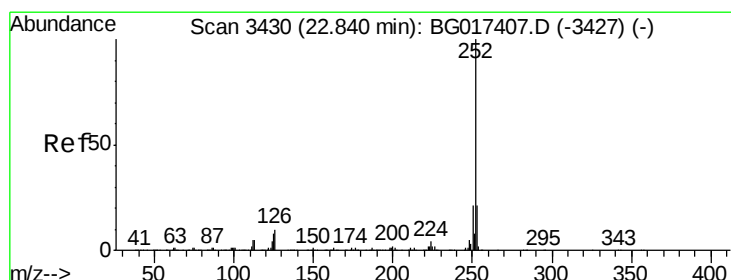
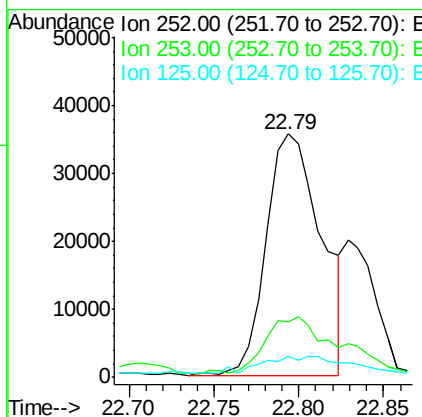
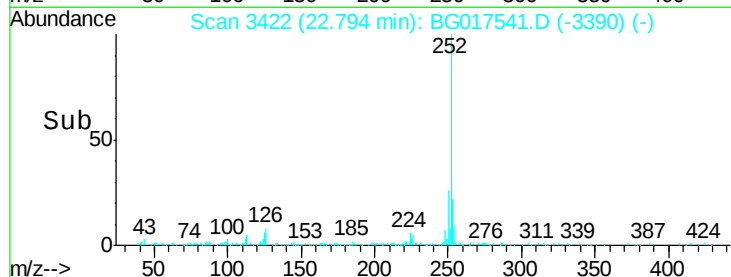
SB-11S



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	8.4	5.1	7.7#

Manual Integrations
APPROVED

apatel
6/9/2015 3:55:59 PM



#88

Benzo(k)fluoranthene

Concen: 3.40 ng m

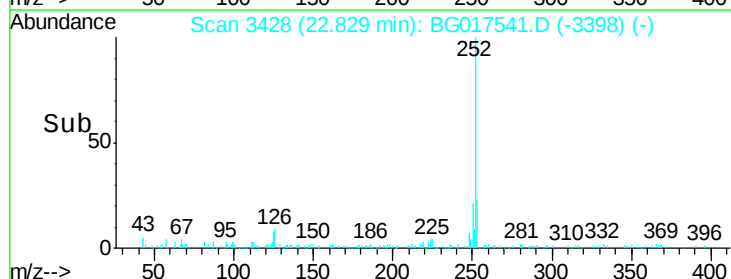
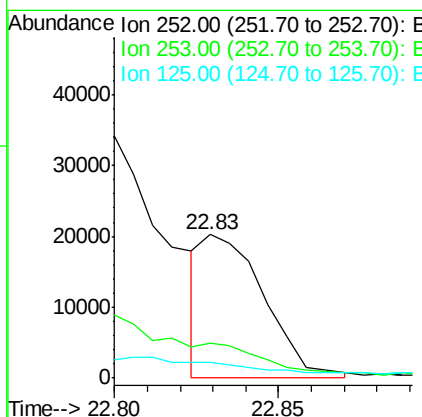
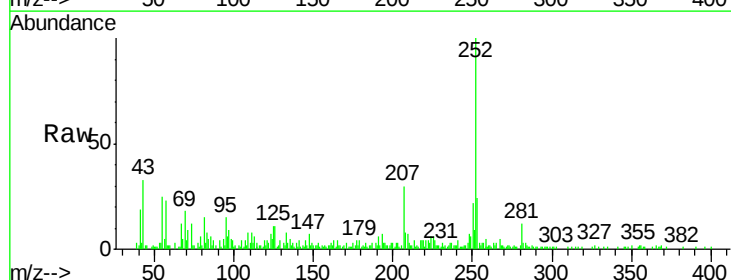
RT: 22.83 min Scan# 3428

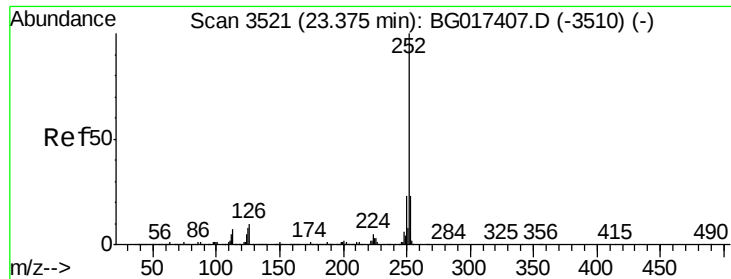
Delta R.T. -0.02 min

Lab File: BG017541.D

Acq: 8 Jun 2015 13:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.7	25.1
125	11.0	4.6	7.0#





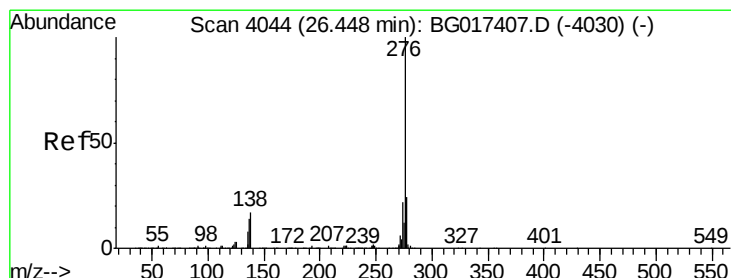
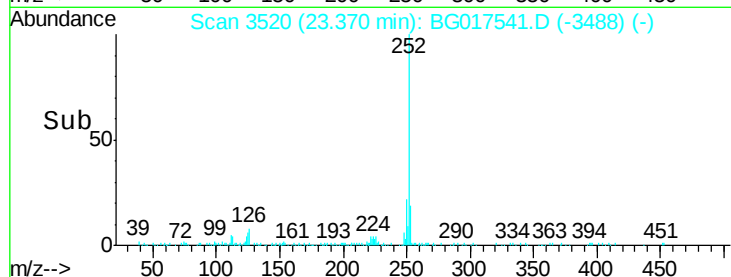
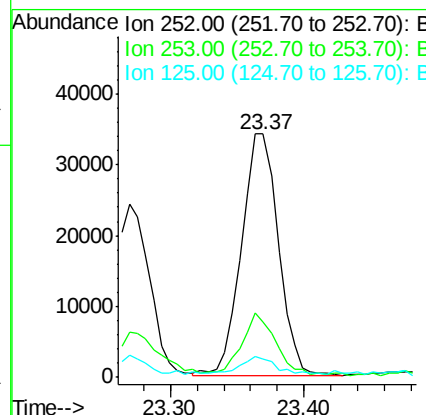
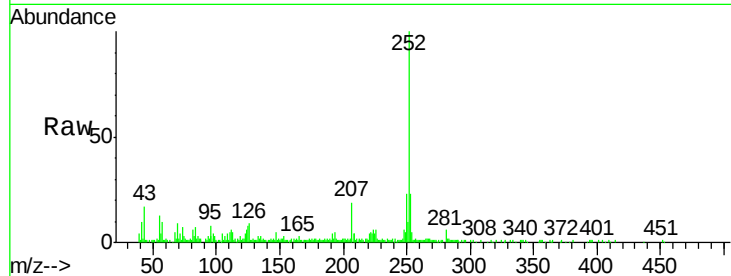
#89
Benzo(a)pyrene
Concen: 8.70 ng
RT: 23.37 min Scan# 3520
Delta R.T. -0.01 min
Lab File: BG017541.D
Acq: 8 Jun 2015 13:59

Instrument :
BNA_G
ClientSampleId :
SB-11S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.8	25.2
125	7.7	6.0	9.0

Manual Integrations
APPROVED

apatel
6/9/2015 3:55:59 PM



#91
Benzo(g,h,i)perylene
Concen: 6.12 ng
RT: 26.43 min Scan# 4041
Delta R.T. -0.04 min
Lab File: BG017541.D
Acq: 8 Jun 2015 13:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.6	30.8
138	12.1	10.6	16.0

