

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017548.D
 Acq On : 8 Jun 2015 18:04
 Operator : TP/IZ
 Sample : G2555-05 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-005

Manual Integrations
 APPROVED

apatel
 6/9/2015 3:56:33 PM

Quant Time: Jun 09 03:29:52 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 02:10:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	19237	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	78623	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	54726	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	115307	20.00	ng	0.00
75) Chrysene-d12	21.23	240	130809	20.00	ng	0.00
86) Perylene-d12	23.46	264	133238	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	29286	26.82	ng	0.00
7) Phenol-d6	6.82	99	35780	24.05	ng	0.00
23) Nitrobenzene-d5	8.78	82	27255	17.30	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	17041	22.42	ng	0.00
44) 2-Fluorobiphenyl	12.89	172	58156	16.03	ng	0.00
78) Terphenyl-d14	19.67	244	85140	13.45	ng	0.00
Target Compounds						Qvalue
57) Fluorene	15.34	166	10691	2.30	ng	97
70) Phenanthrene	17.08	178	92651	14.41	ng	97
71) Anthracene	17.17	178	14123m	2.20	ng	
74) Fluoranthene	19.10	202	111104	13.22	ng	97
77) Pyrene	19.47	202	146409	18.17	ng	98
80) Benzo(a)anthracene	21.21	228	67934	8.44	ng	96
82) Chrysene	21.27	228	67898	9.32	ng	96
85) Indeno(1,2,3-cd)pyrene	25.74	276	27535	3.01	ng	# 90
87) Benzo(b)fluoranthene	22.80	252	64545m	7.64	ng	
88) Benzo(k)fluoranthene	22.84	252	21709m	2.69	ng	
89) Benzo(a)pyrene	23.37	252	57251	7.39	ng	96
91) Benzo(g,h,i)perylene	26.44	276	23496	3.07	ng	97

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

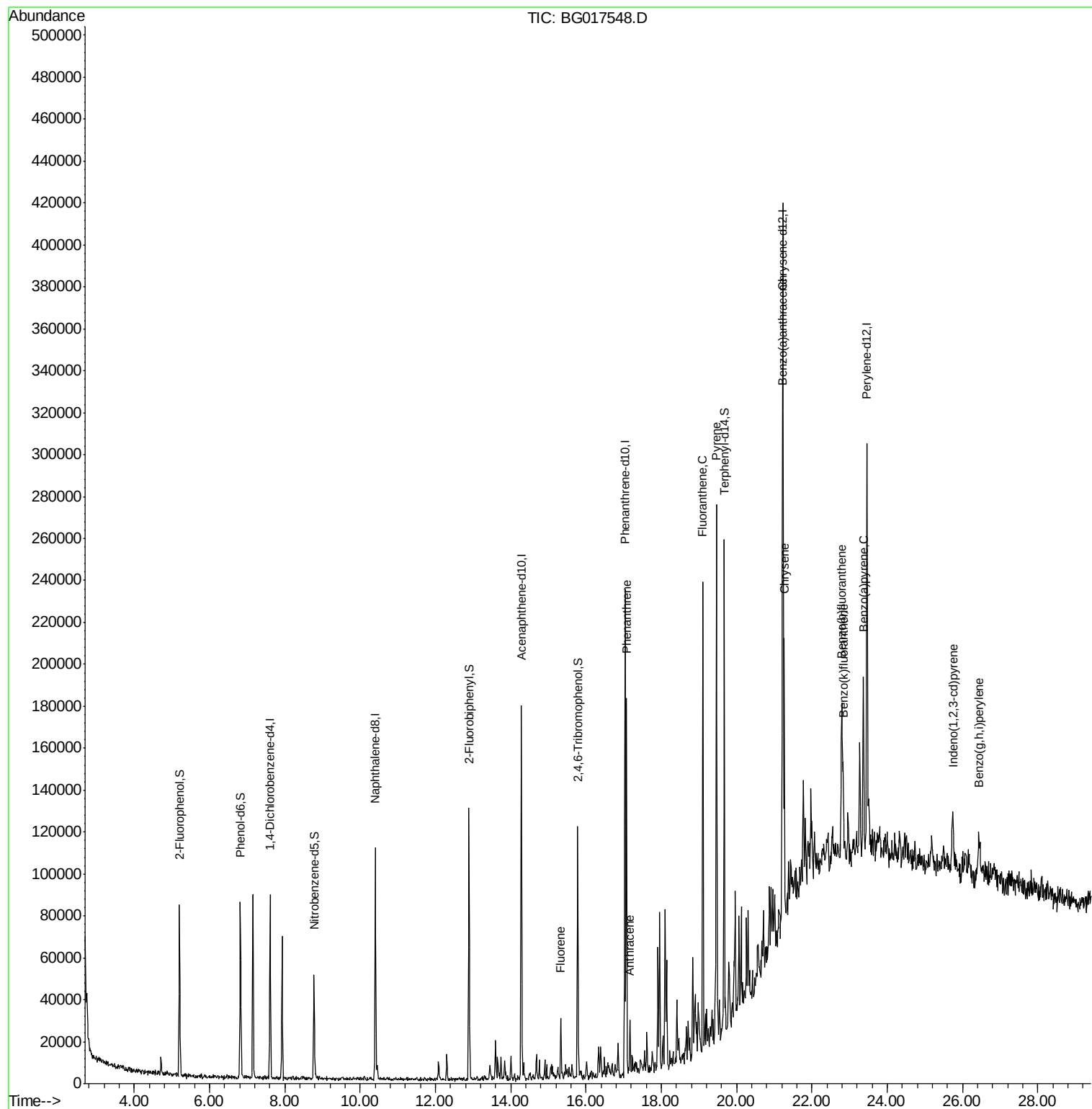
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017548.D
Acq On : 8 Jun 2015 18:04
Operator : TP/IZ
Sample : G2555-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

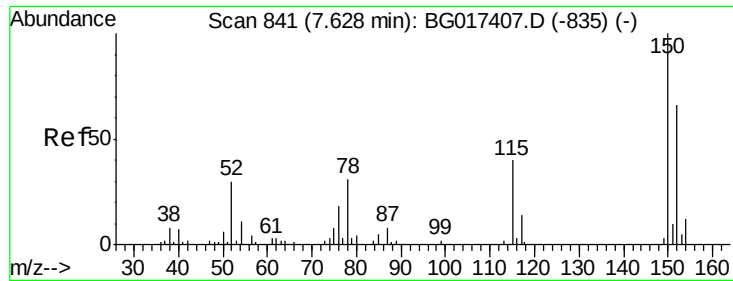
Instrument :
BNA_G
ClientSampleId :
DUSO-005

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:33 PM

Quant Time: Jun 09 03:29:52 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 02:10:45 2015
Response via : Initial Calibration





#1

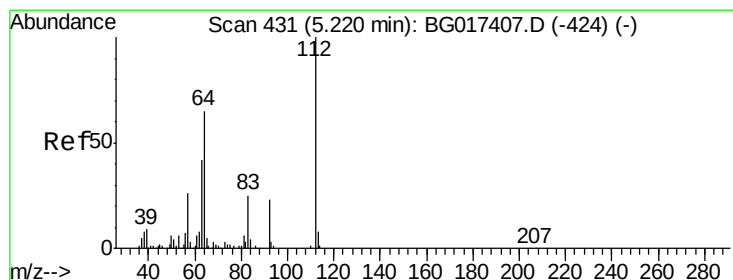
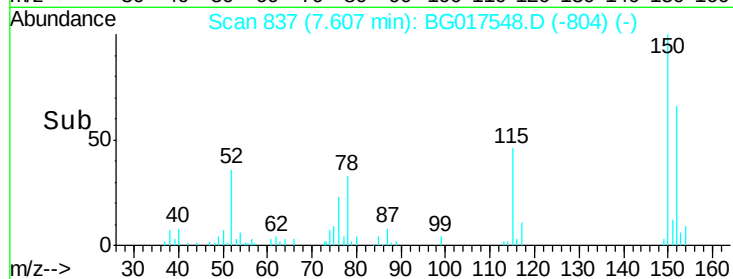
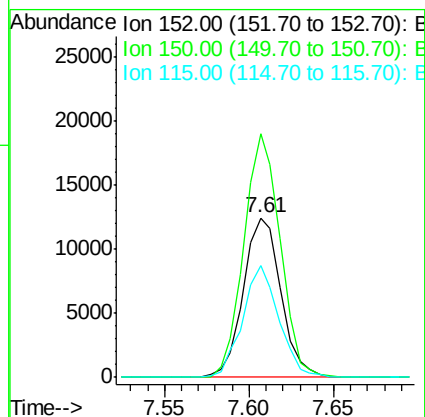
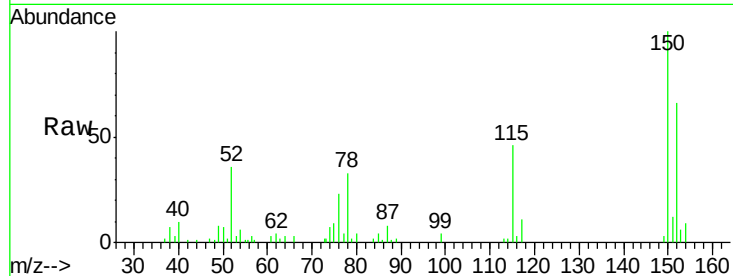
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG017548.D
Acq: 8 Jun 2015 18:04

Instrument :
BNA_G
ClientSampleId :
DUSO-005

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.5	121.7	182.5
115	69.9	48.6	73.0

Manual Integrations
APPROVED

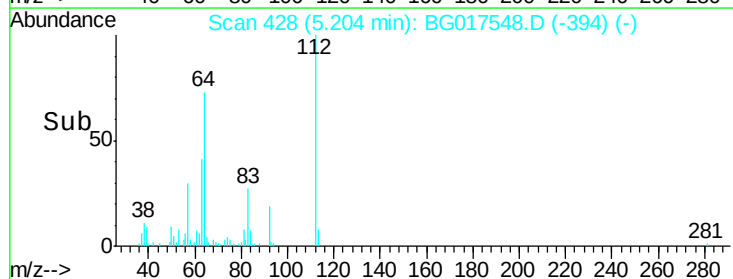
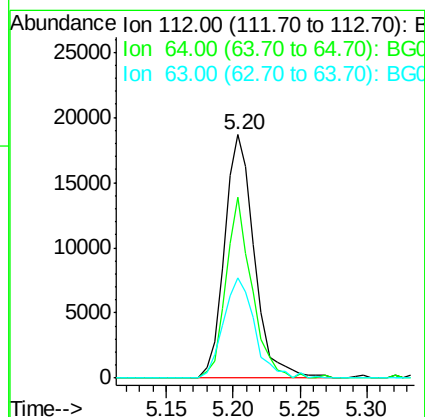
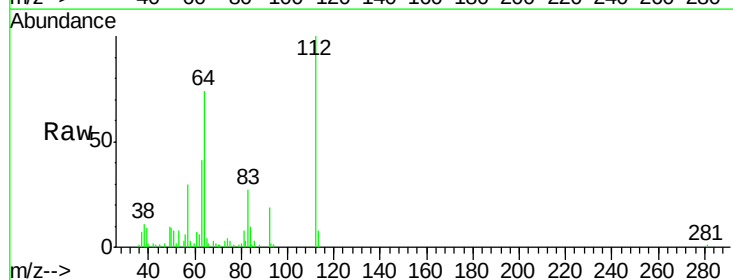
apatel
6/9/2015 3:56:33 PM

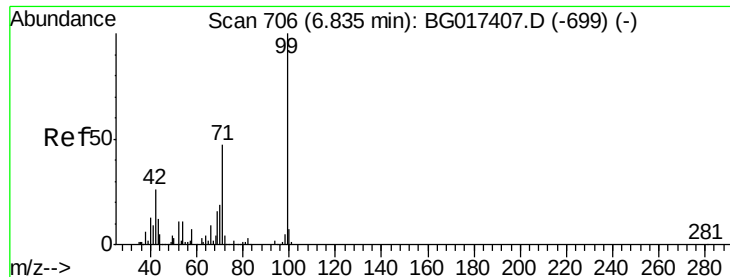


#5

2-Fluorophenol
Concen: 26.82 ng
RT: 5.20 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG017548.D
Acq: 8 Jun 2015 18:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.1	51.6	77.4
63	41.2	33.3	49.9





#7

Phenol-d6

Concen: 24.05 ng

RT: 6.82 min Scan# 703

Delta R.T. 0.00 min

Lab File: BG017548.D

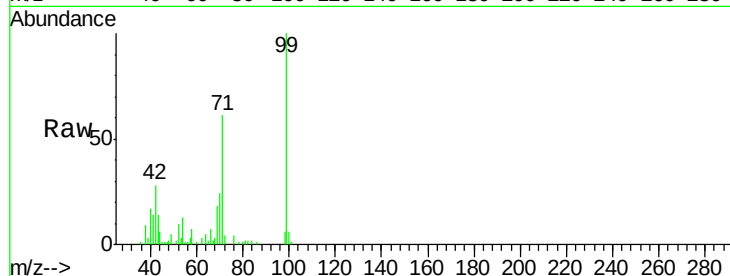
Acq: 8 Jun 2015 18:04

Instrument :

BNA_G

ClientSampleId :

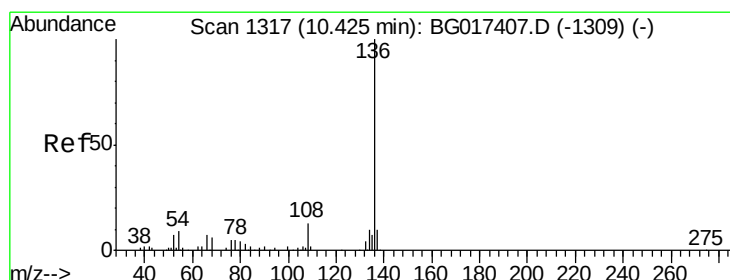
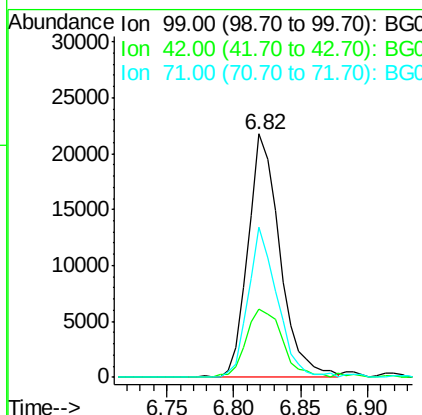
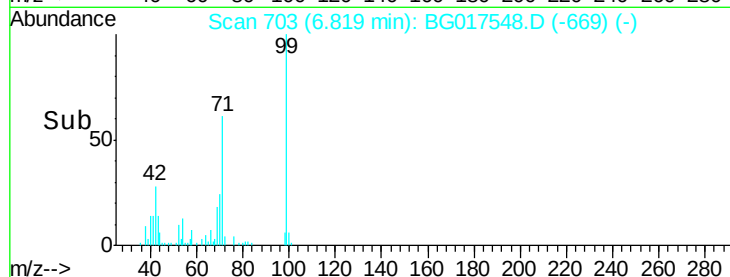
DUSO-005



Tgt Ion	Ratio	Lower	Upper
99	100		
42	28.1	21.0	31.6
71	61.4	37.2	55.8

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:33 PM



#21

Naphthalene-d8

Concen: 20.00 ng

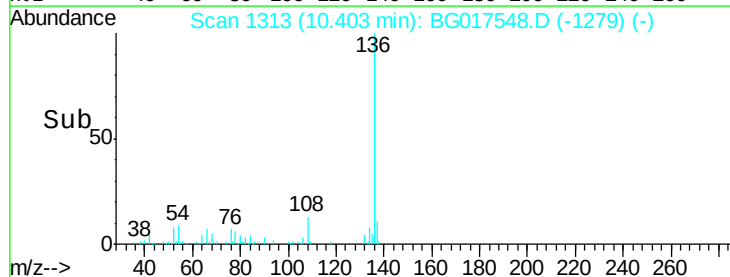
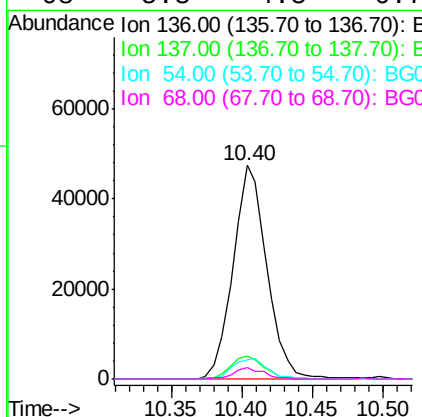
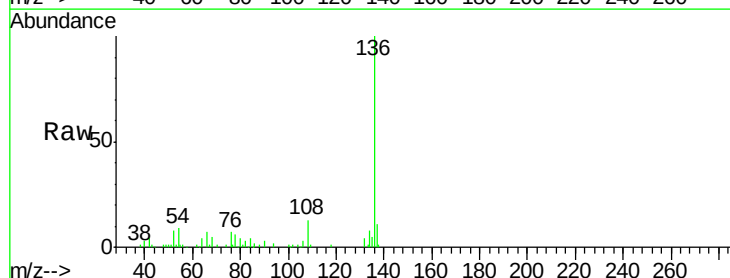
RT: 10.40 min Scan# 1313

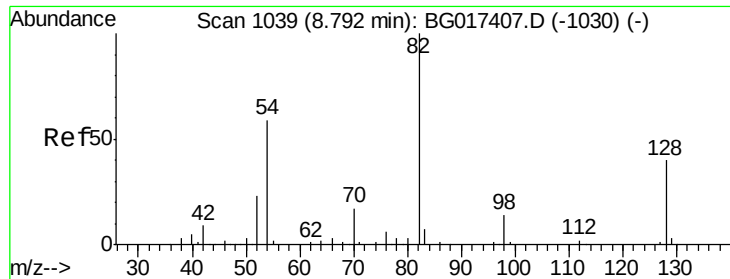
Delta R.T. 0.00 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	7.9	11.9
54	9.2	7.2	10.8
68	5.3	4.5	6.7





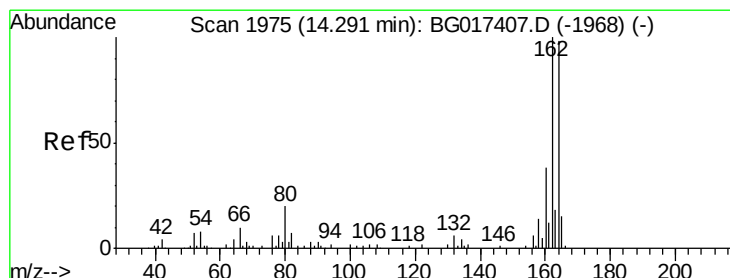
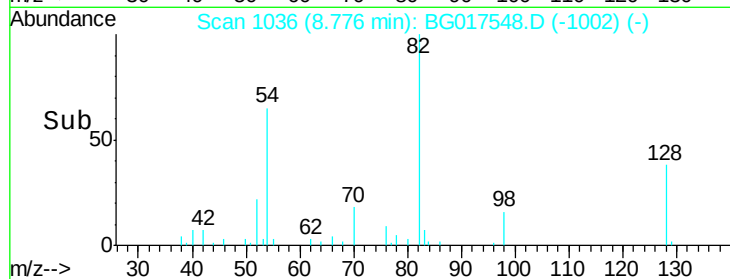
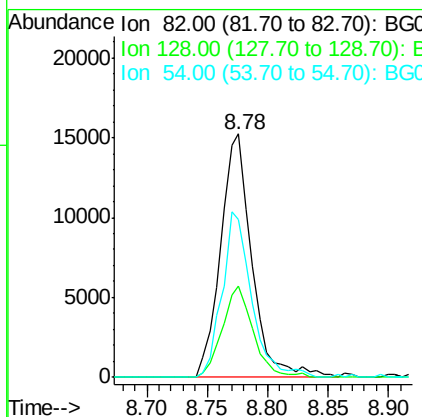
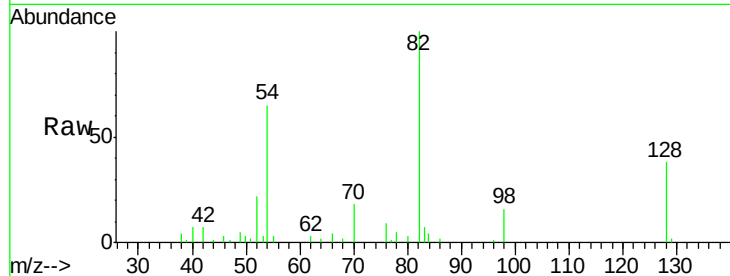
#23
 Nitrobenzene-d5
 Concen: 17.30 ng
 RT: 8.78 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-005

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.7	32.2	48.4
54	64.8	47.4	71.2

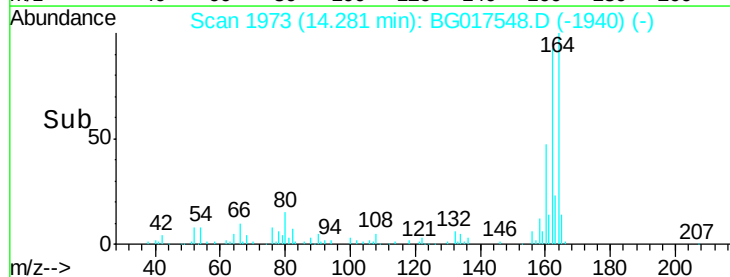
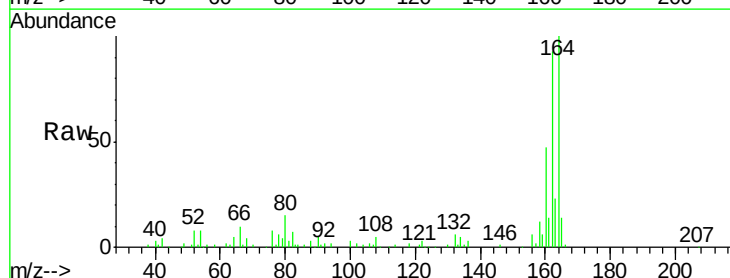
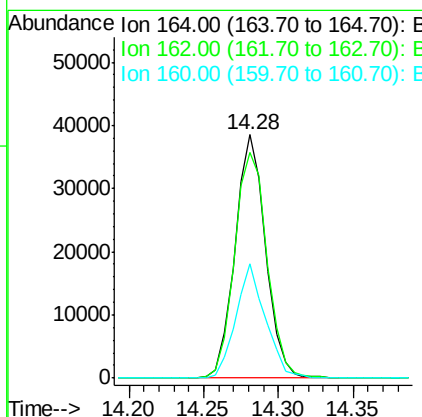
Manual Integrations
 APPROVED

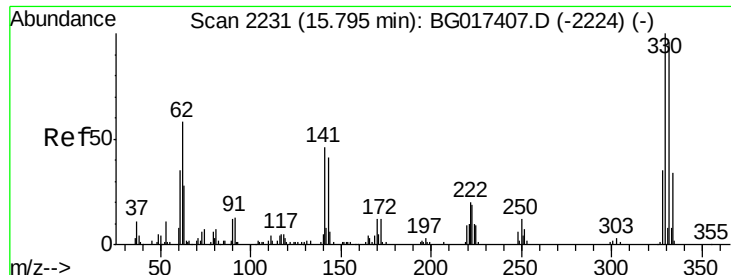
apatel
 6/9/2015 3:56:33 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.28 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	92.9	81.8	122.6
160	47.0	31.0	46.4





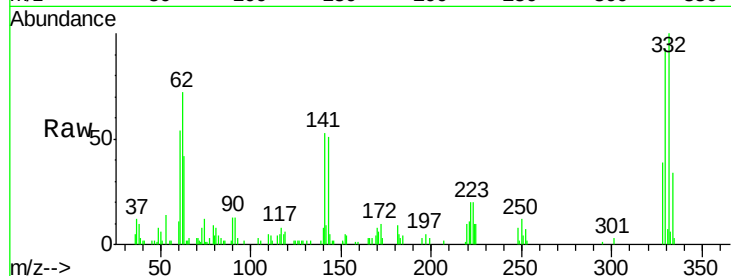
#41
 2,4,6-Tribromophenol
 Concen: 22.42 ng
 RT: 15.79 min Scan# 2229
 Delta R.T. 0.00 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-005

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	17041		
332	95.0	75.9	113.9	
141	52.9	40.2	60.4	

Manual Integrations
 APPROVED

apatel
 6/9/2015 3:56:33 PM

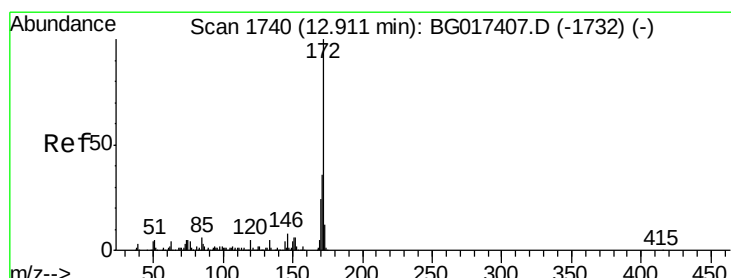
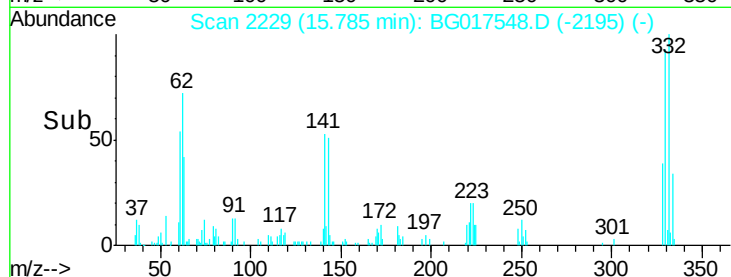
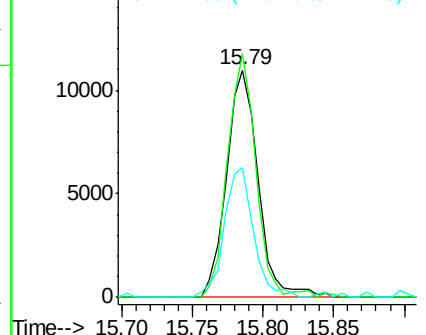


Abundance

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: 16.03 ng
 RT: 12.89 min Scan# 1737
 Delta R.T. -0.01 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

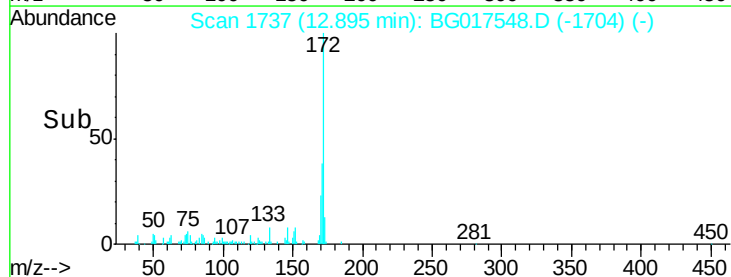
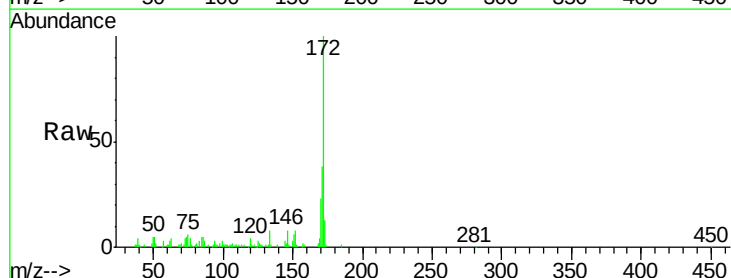
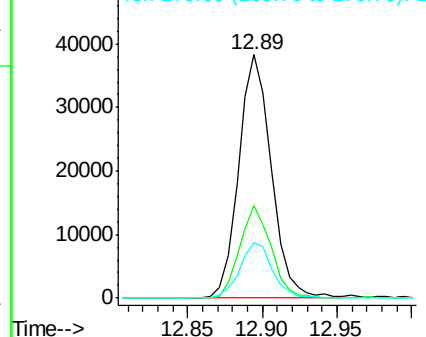
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	58156		
171	37.9	29.0	43.6	
170	22.9	18.9	28.3	

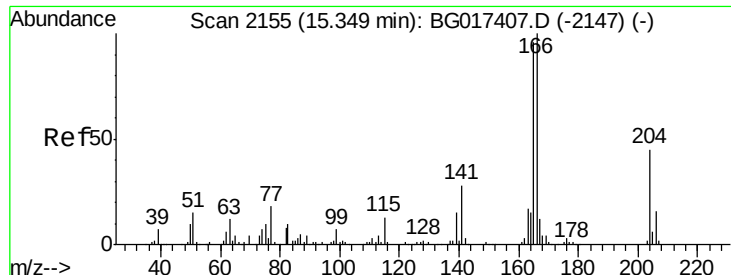
Abundance

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





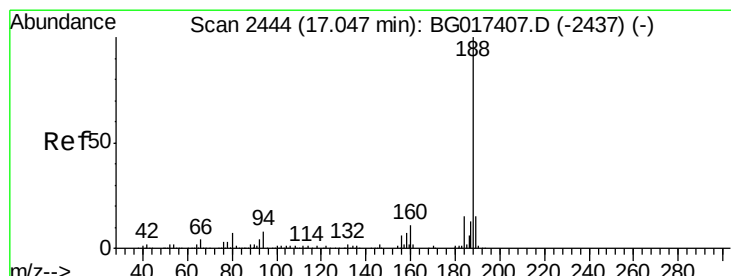
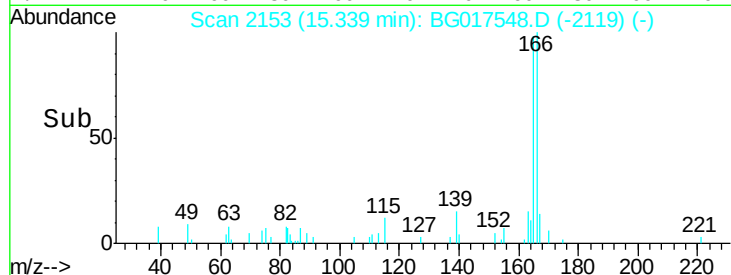
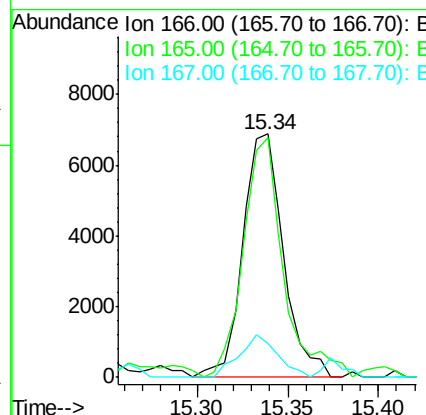
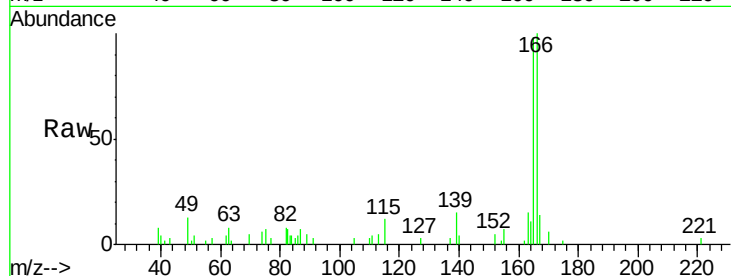
#57
 Fluorene
 Concen: 2.30 ng
 RT: 15.34 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-005

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	76.8	115.2
167	13.9	9.9	14.9

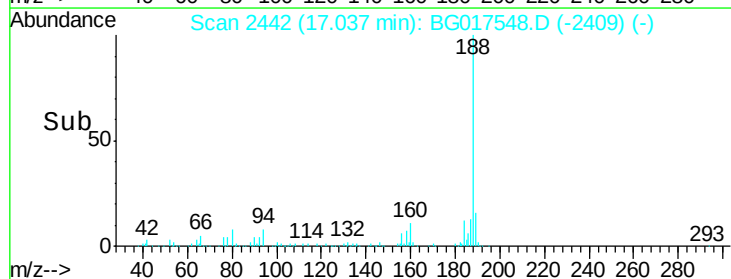
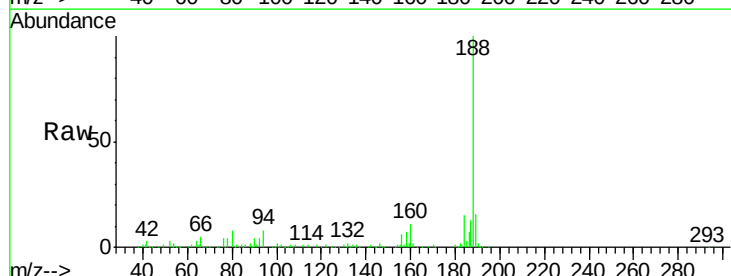
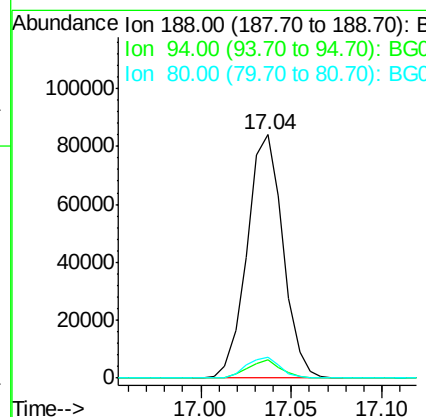
Manual Integrations
 APPROVED

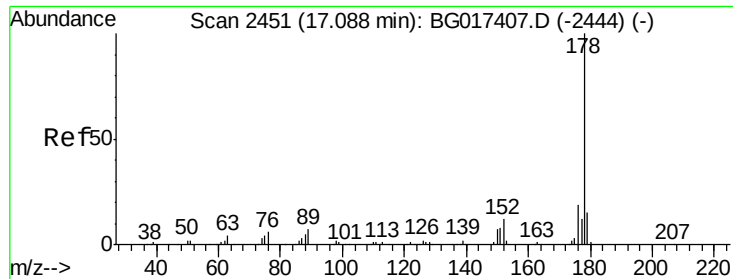
apatel
 6/9/2015 3:56:33 PM



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.04 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.3	9.5
80	8.4	5.2	7.8





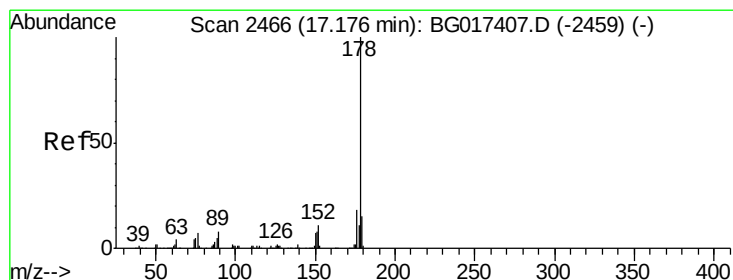
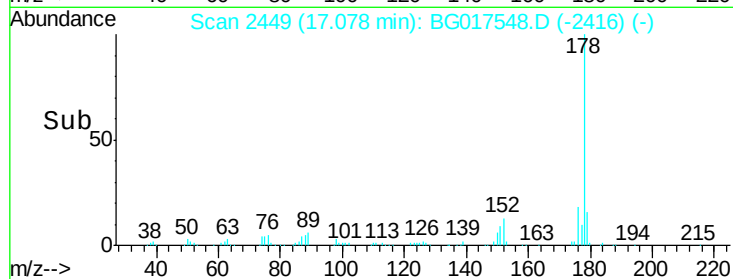
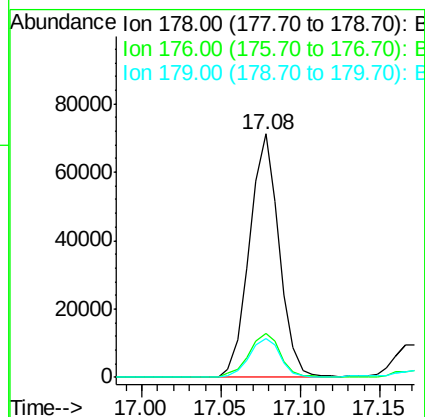
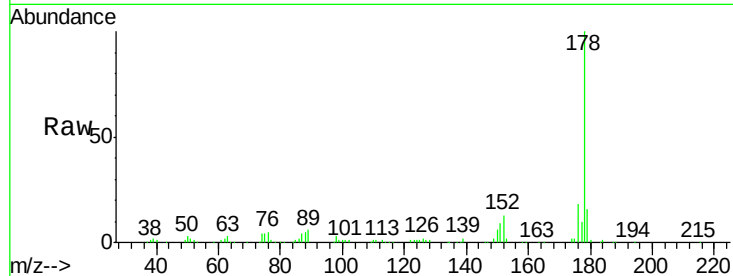
#70
Phenanthrene
Concen: 14.41 ng
RT: 17.08 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BG017548.D
Acq: 8 Jun 2015 18:04

Instrument :
BNA_G
ClientSampleId :
DUSO-005

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.6	23.4
179	16.0	12.2	18.2

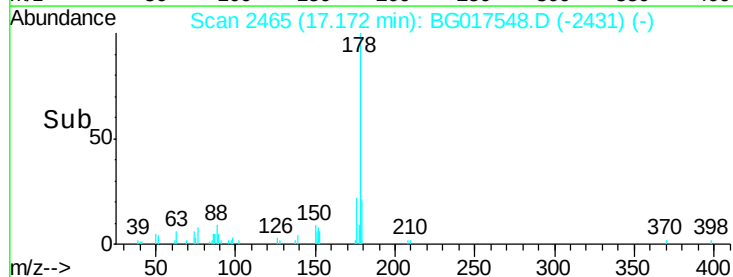
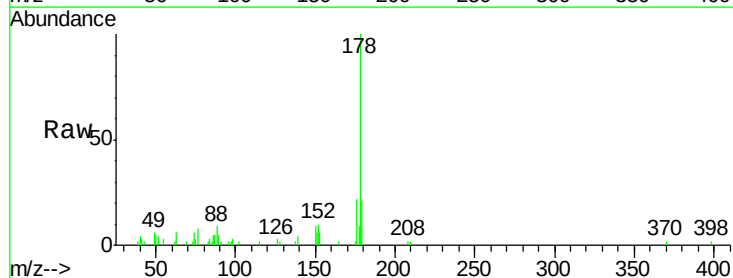
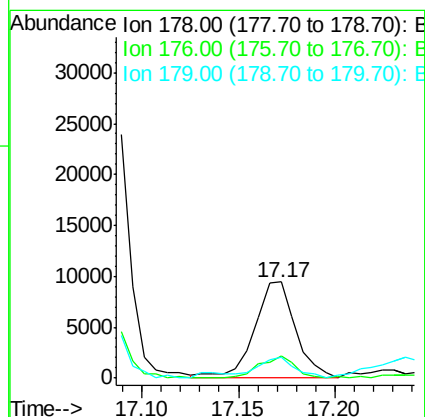
Manual Integrations
APPROVED

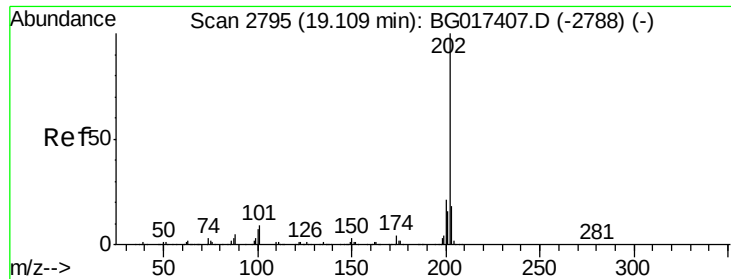
apatel
6/9/2015 3:56:33 PM



#71
Anthracene
Concen: 2.20 ng m
RT: 17.17 min Scan# 2465
Delta R.T. 0.00 min
Lab File: BG017548.D
Acq: 8 Jun 2015 18:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.4	14.2	21.2#
179	21.3	12.2	18.4#





#74

Fluoranthene

Concen: 13.22 ng

RT: 19.10 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BG017548.D

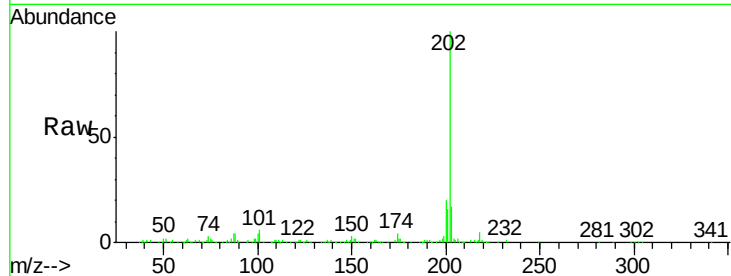
Acq: 8 Jun 2015 18:04

Instrument :

BNA_G

ClientSampleId :

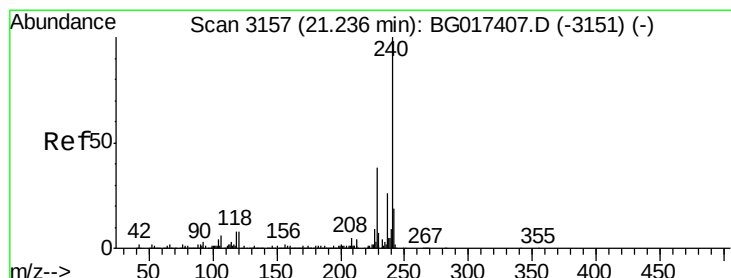
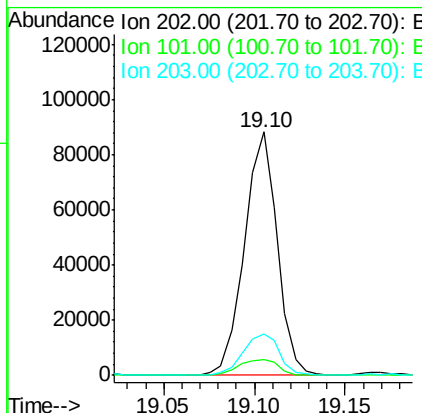
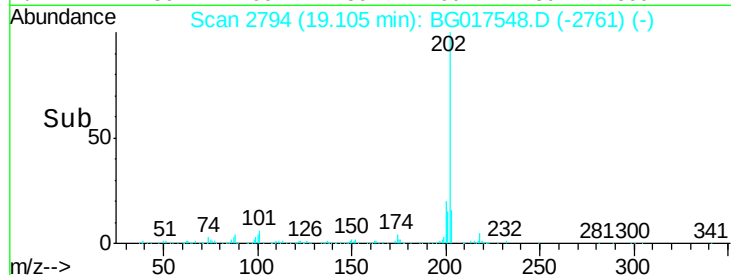
DUSO-005



Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.4	0.0	28.8
203	16.9	0.0	37.6

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:33 PM



#75

Chrysene-d12

Concen: 20.00 ng

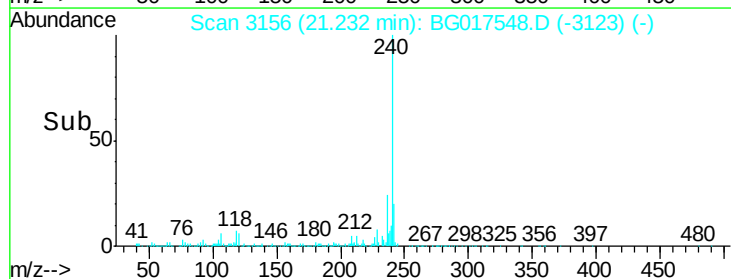
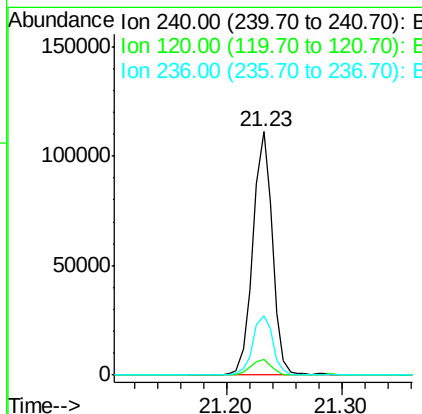
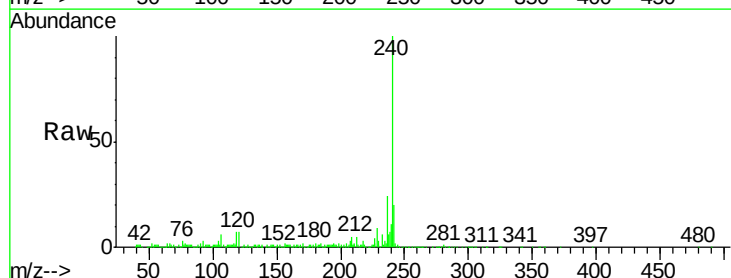
RT: 21.23 min Scan# 3156

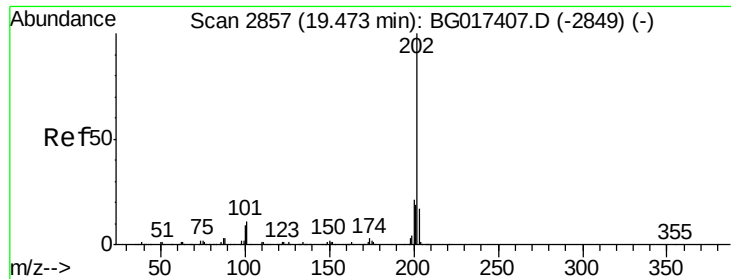
Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	6.6	6.5	9.7
236	24.3	20.8	31.2





#77

Pyrene

Concen: 18.17 ng

RT: 19.47 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Instrument :

BNA_G

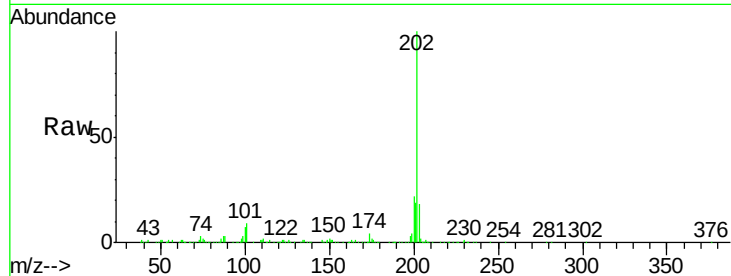
ClientSampleId :

DUSO-005

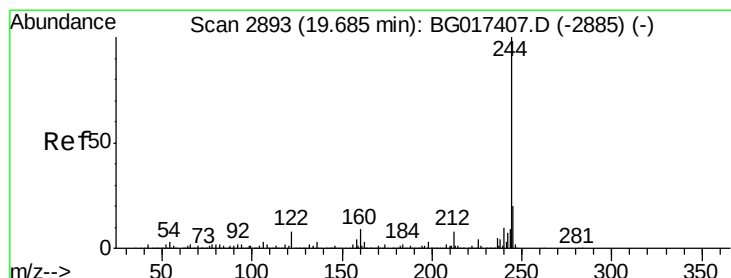
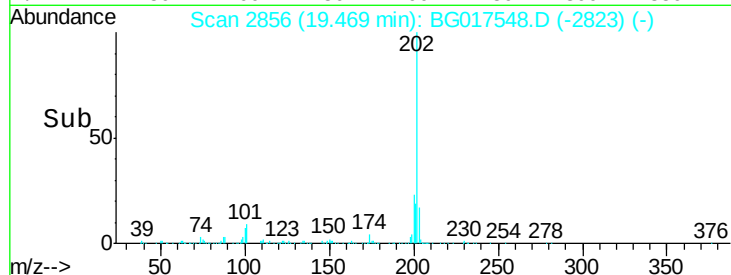
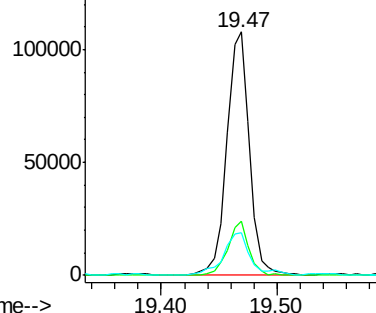
Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	22.5	17.0	25.4
203	17.8	13.9	20.9

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:33 PM



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: 13.45 ng

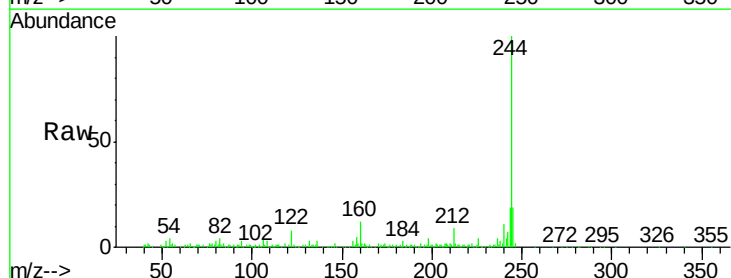
RT: 19.67 min Scan# 2891

Delta R.T. -0.01 min

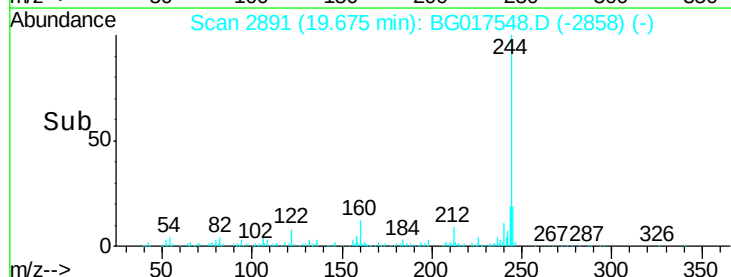
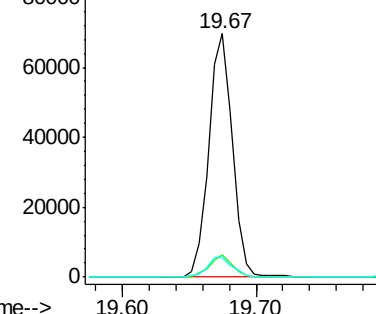
Lab File: BG017548.D

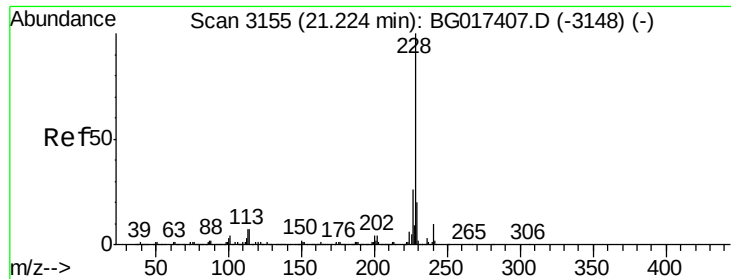
Acq: 8 Jun 2015 18:04

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.1	6.4	9.6
122	7.9	6.6	10.0



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: 8.44 ng

RT: 21.21 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Instrument :

BNA_G

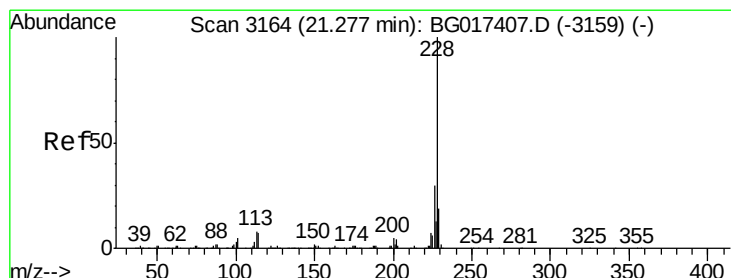
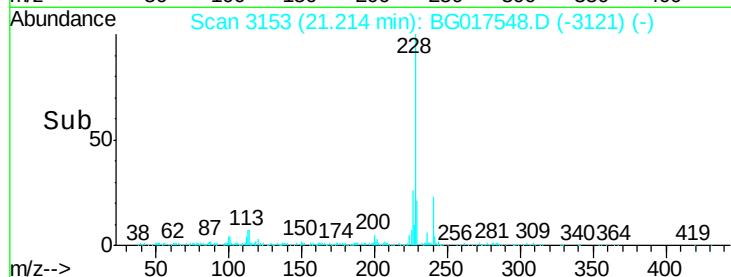
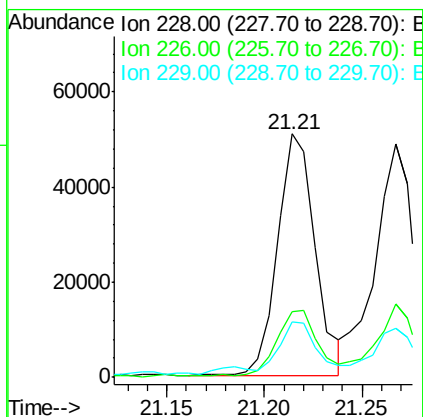
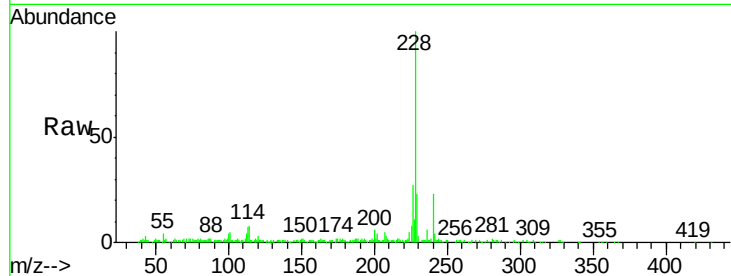
ClientSampleId :

DUSO-005

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	26.9	21.0	31.6	
229	23.0	15.7	23.5	

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:33 PM



#82

Chrysene

Concen: 9.32 ng

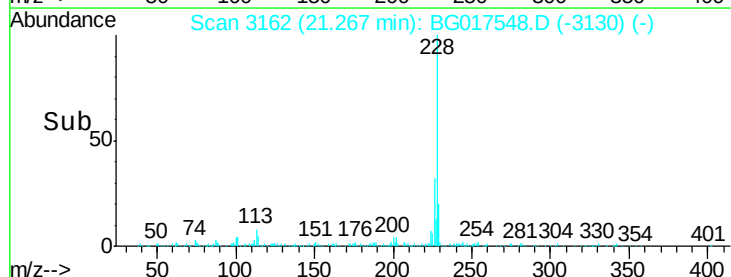
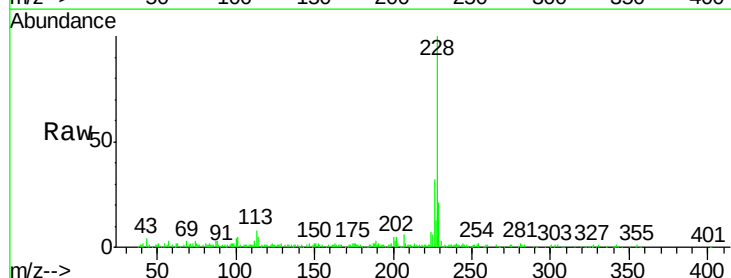
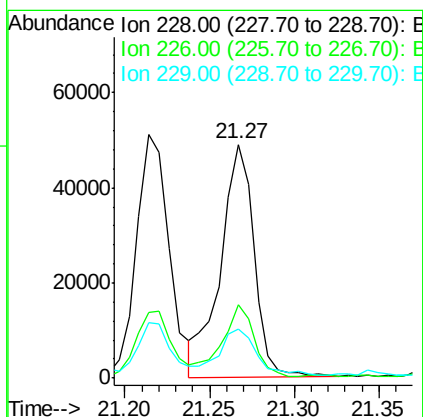
RT: 21.27 min Scan# 3162

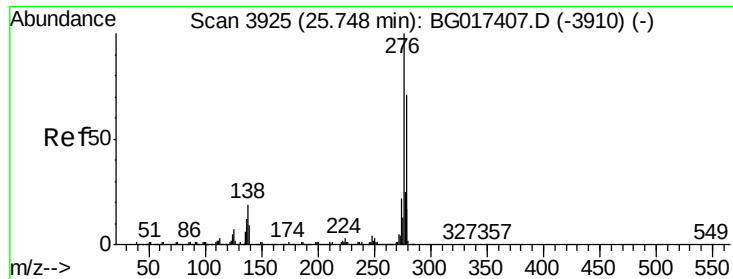
Delta R.T. -0.01 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	31.5	23.7	35.5	
229	20.8	15.2	22.8	





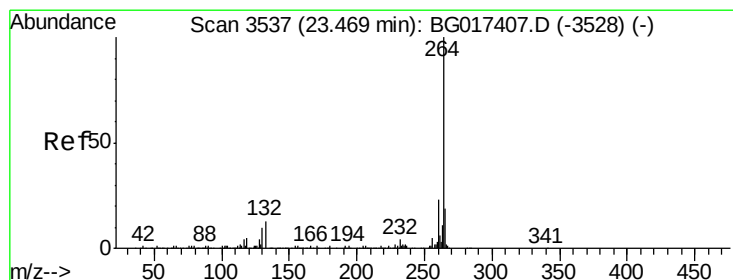
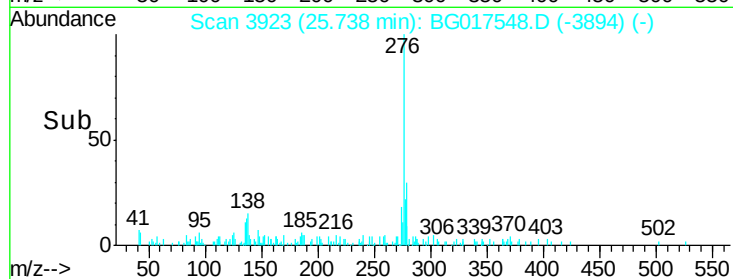
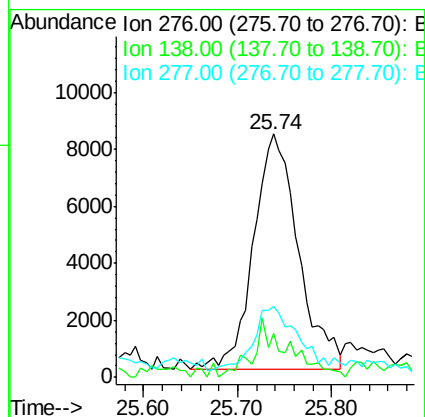
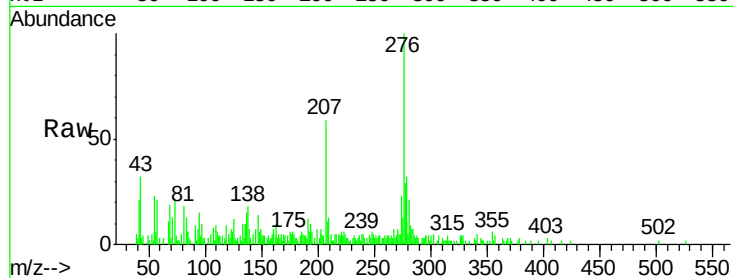
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.01 ng
 RT: 25.74 min Scan# 3923
 Delta R.T. -0.03 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Instrument :
 BNA_G
 ClientSampleId :
 DUSO-005

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.2	15.4	23.0#
277	24.4	20.5	30.7

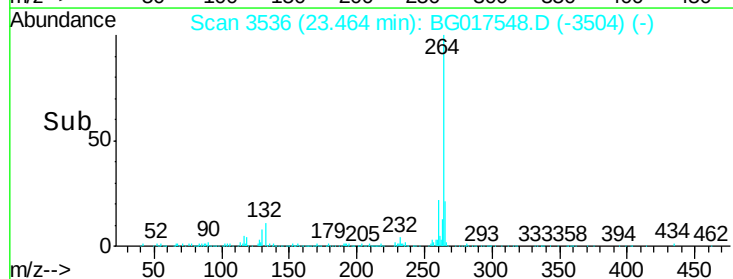
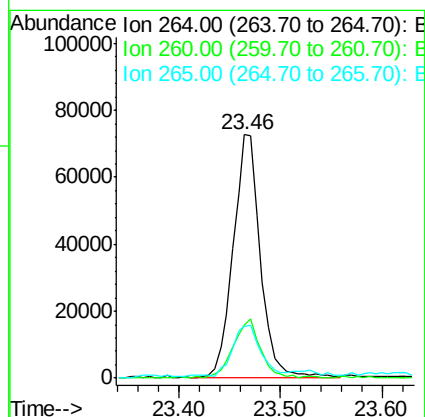
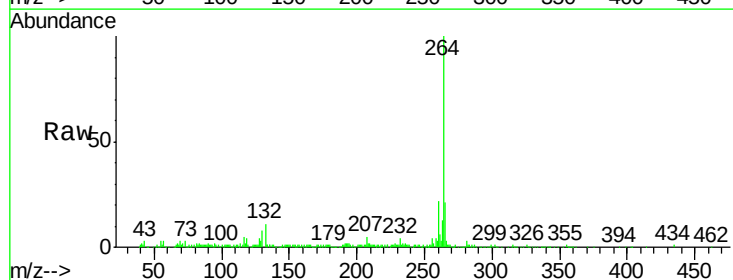
Manual Integrations
 APPROVED

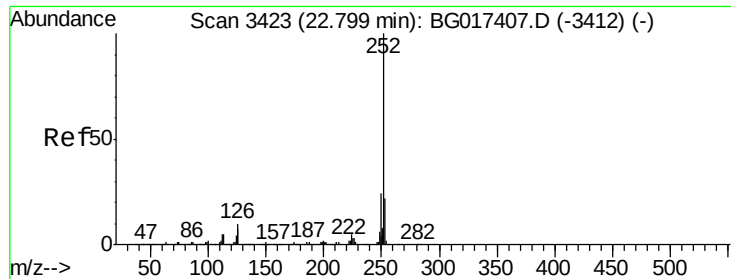
apatel
 6/9/2015 3:56:33 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.46 min Scan# 3536
 Delta R.T. -0.01 min
 Lab File: BG017548.D
 Acq: 8 Jun 2015 18:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.8	18.2	27.4
265	21.4	15.8	23.6





#87

Benzo(b)fluoranthene

Concen: 7.64 ng m

RT: 22.80 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BG017548.D

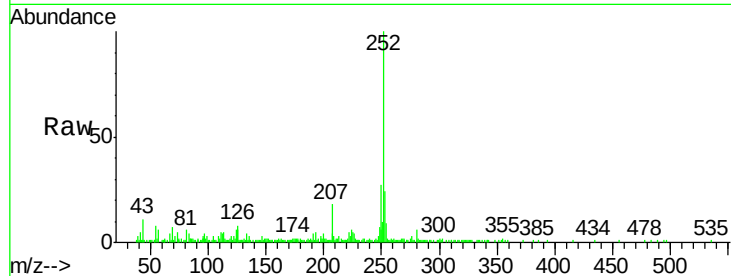
Acq: 8 Jun 2015 18:04

Instrument :

BNA_G

ClientSampleId :

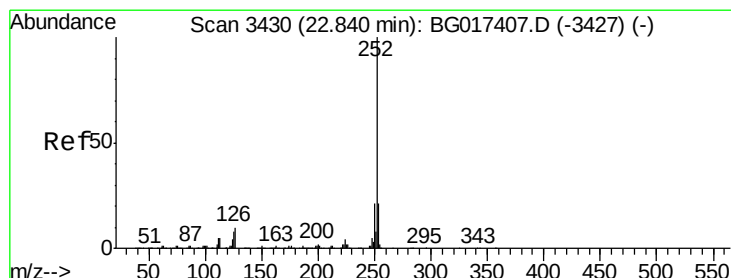
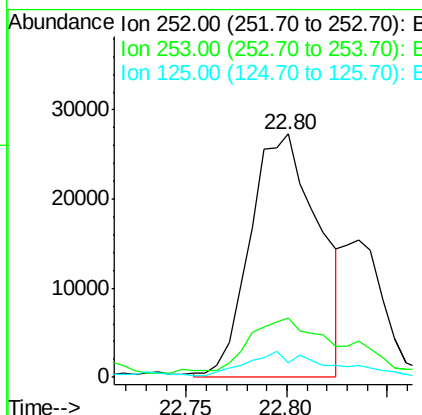
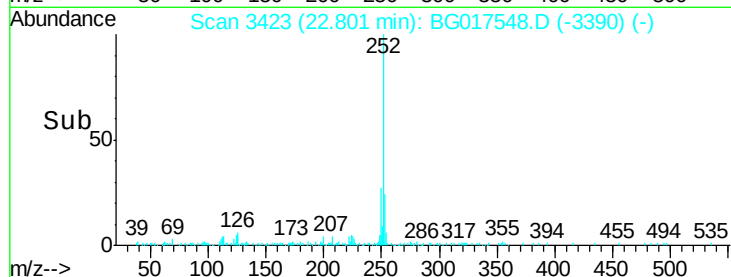
DUSO-005



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.2
125	5.7	5.8	8.8#

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:33 PM



#88

Benzo(k)fluoranthene

Concen: 2.69 ng m

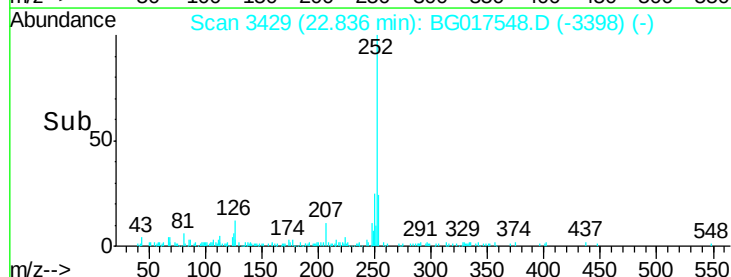
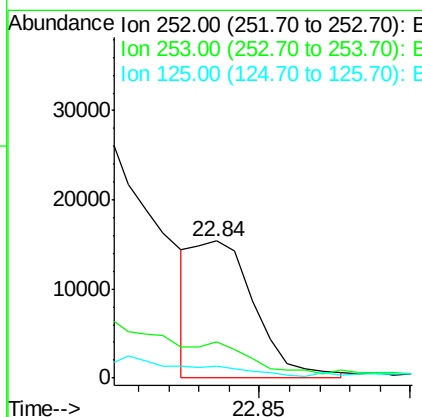
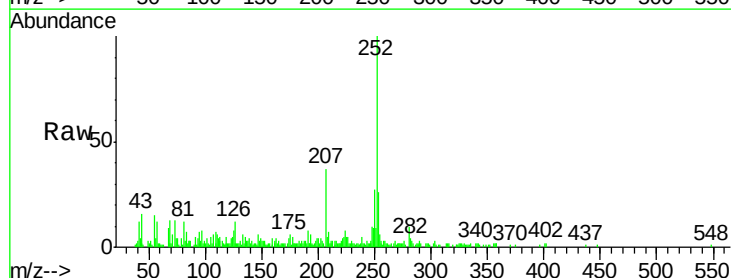
RT: 22.84 min Scan# 3429

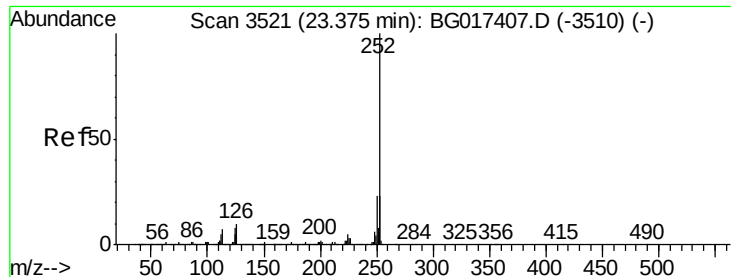
Delta R.T. -0.02 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.7	26.5
125	8.3	6.5	9.7





#89

Benzo(a)pyrene

Concen: 7.39 ng

RT: 23.37 min Scan# 3520

Delta R.T. -0.01 min

Lab File: BG017548.D

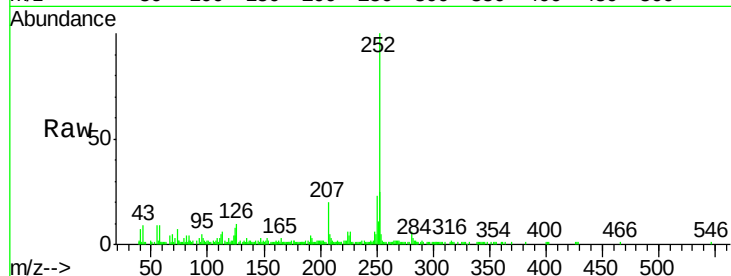
Acq: 8 Jun 2015 18:04

Instrument :

BNA_G

ClientSampleId :

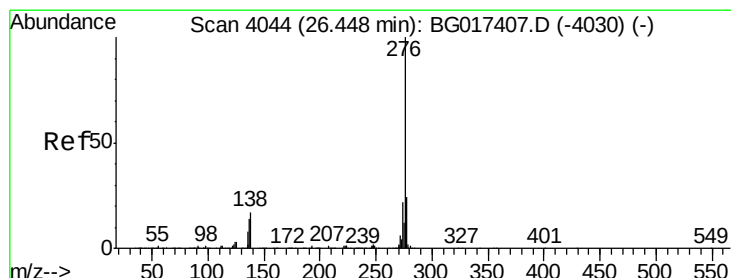
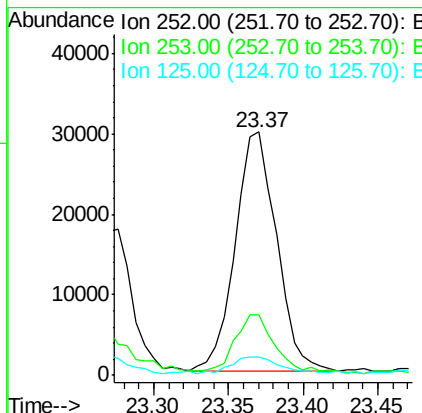
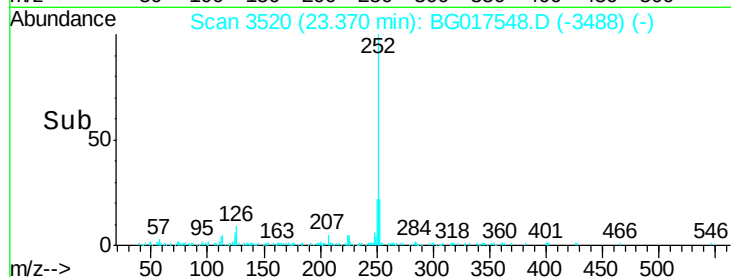
DUSO-005



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.1	27.1
125	7.7	6.5	9.7

Manual Integrations
APPROVED

apatel
6/9/2015 3:56:33 PM



#91

Benzo(g,h,i)perylene

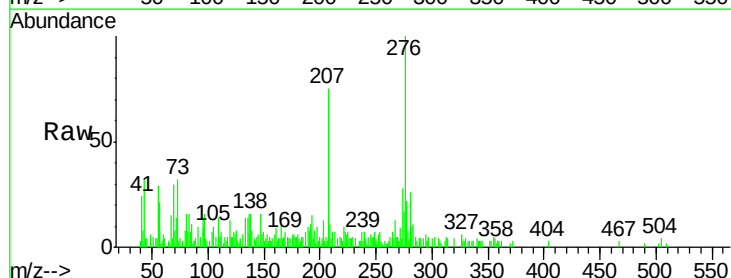
Concen: 3.07 ng

RT: 26.44 min Scan# 4043

Delta R.T. -0.03 min

Lab File: BG017548.D

Acq: 8 Jun 2015 18:04



Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.8	19.2	28.8
138	16.3	13.5	20.3

