

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110815\
 Data File : BF082828.D
 Acq On : 8 Nov 2015 7:56
 Operator : UM/IZ
 Sample : G4261-12RE
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW4RE

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 2:08:48 PM

Quant Time: Nov 09 03:01:23 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	248502	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	843410	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	424131	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	635638	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	546044	20.00	ng	-0.01
86) Perylene-d12	15.44	264	509130	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1933878	121.08	ng	0.02
7) Phenol-d6	6.50	99	2786069	131.22	ng	0.02
23) Nitrobenzene-d5	7.41	82	1519007	78.37	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	502549	103.34	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	2354467	79.56	ng	0.00
78) Terphenyl-d14	12.96	244	1451262	63.04	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	652417	18.77	ng	99
70) Phenanthrene	11.39	178	203534	5.51	ng	96
74) Fluoranthene	12.58	202	456283	11.52	ng	98
77) Pyrene	12.81	202	346976	9.25	ng	97
80) Benzo(a)anthracene	14.00	228	140434m	4.11	ng	
82) Chrysene	14.03	228	228883m	7.32	ng	
83) Bis(2-ethylhexyl)phthalate	14.00	149	134243	5.92	ng	96
85) Indeno(1,2,3-cd)pyrene	16.82	276	78898	2.93	ng	97
87) Benzo(b)fluoranthene	15.03	252	231578m	7.09	ng	
88) Benzo(k)fluoranthene	15.04	252	86486m	2.98	ng	
89) Benzo(a)pyrene	15.37	252	110322	3.90	ng	# 96
91) Benzo(a,h,i)perylene	17.23	276	71591	3.12	ng	# 93

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

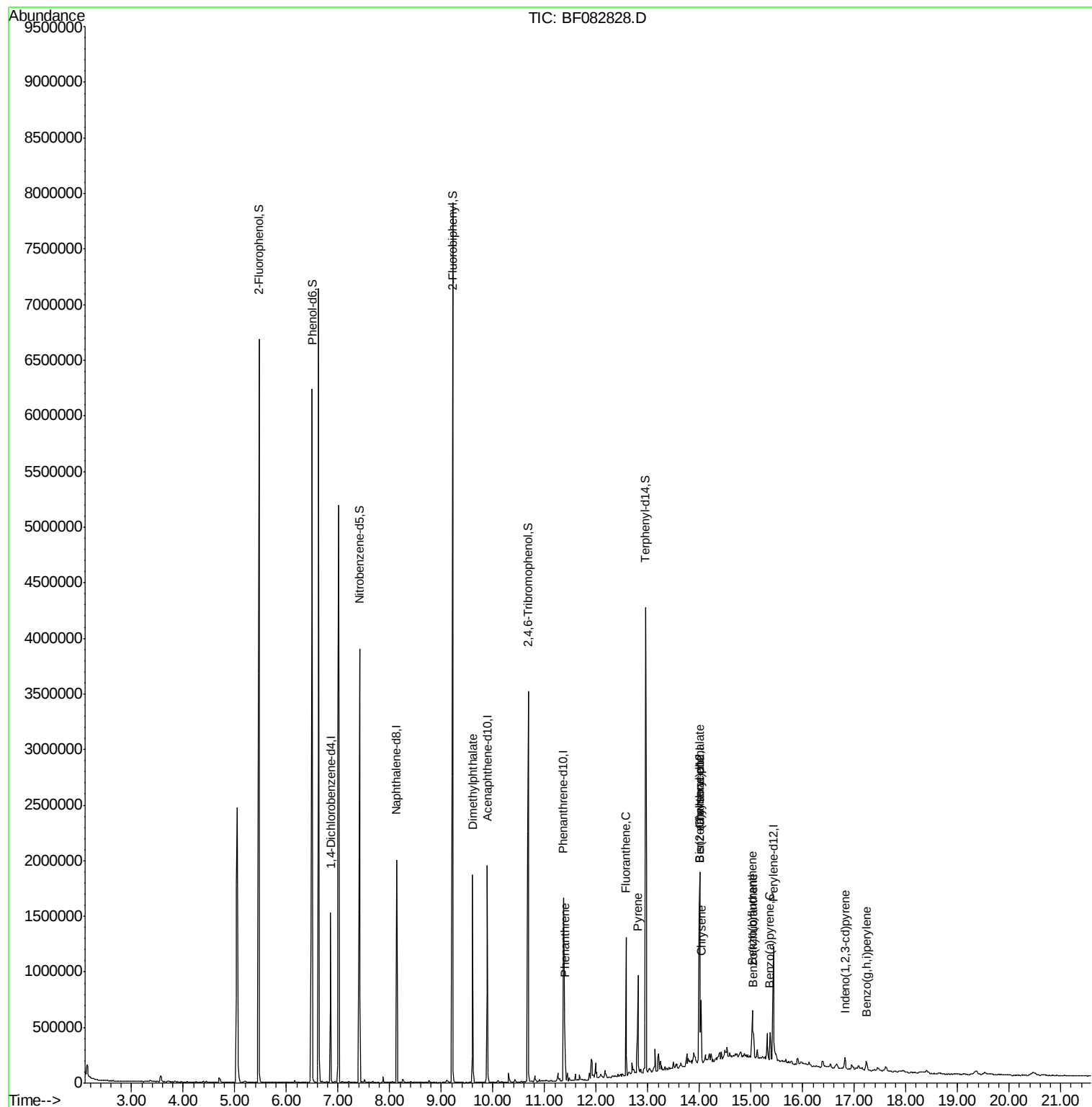
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110815\
Data File : BF082828.D
Acq On : 8 Nov 2015 7:56
Operator : UM/IZ
Sample : G4261-12RE
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW4RE

Manual Integrations
APPROVED

Mmdadoda
11/9/2015 2:08:48 PM

Quant Time: Nov 09 03:01:23 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 07 02:32:49 2015
Response via : Initial Calibration





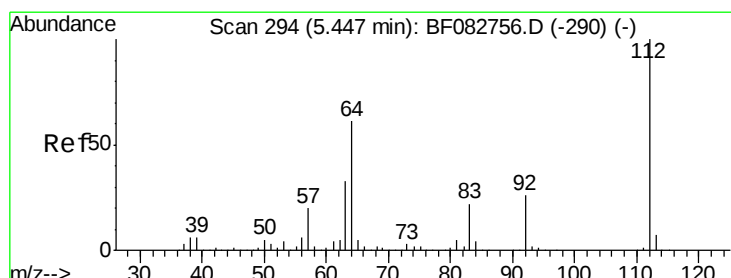
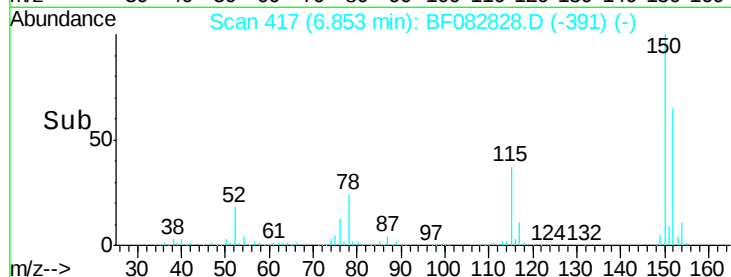
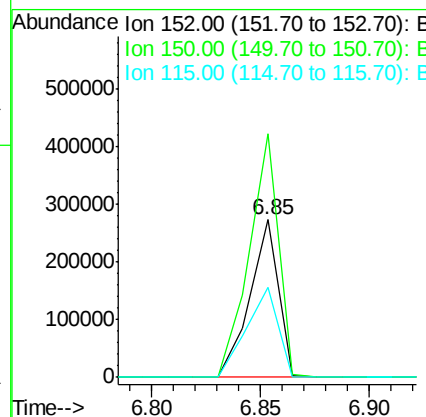
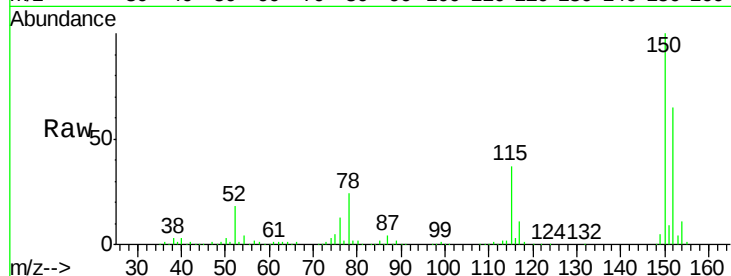
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Instrument :
 BNA_F
 ClientSampleId :
 DW4RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	127.0	190.4
115	57.2	47.0	70.6

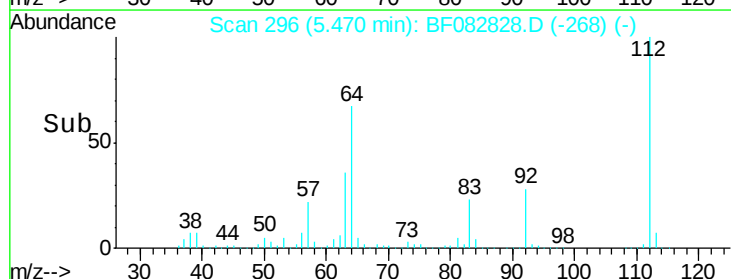
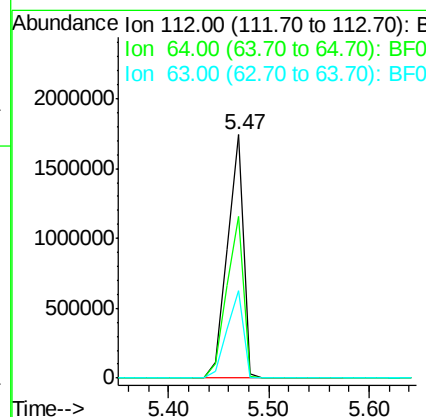
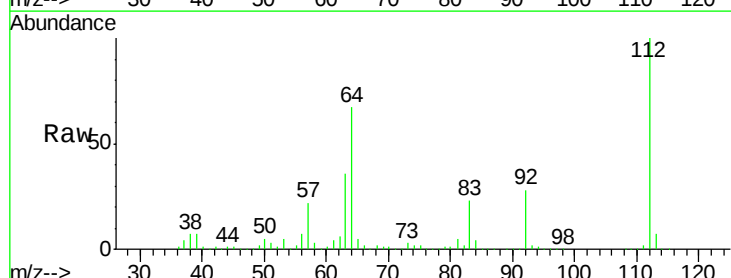
Manual Integrations
 APPROVED

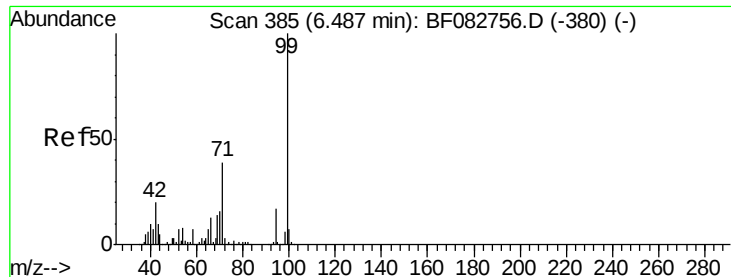
Mmdadoda
 11/9/2015 2:08:48 PM



#5
 2-Fluorophenol
 Concen: 121.08 ng
 RT: 5.47 min Scan# 296
 Delta R.T. 0.02 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	48.9	73.3
63	35.8	28.1	42.1





#7

Phenol-d6

Concen: 131.22 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.02 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

ClientSampleId :

DW4RE

Tot Ion: 99 Resp: 2786069

Ion Ratio Lower Upper

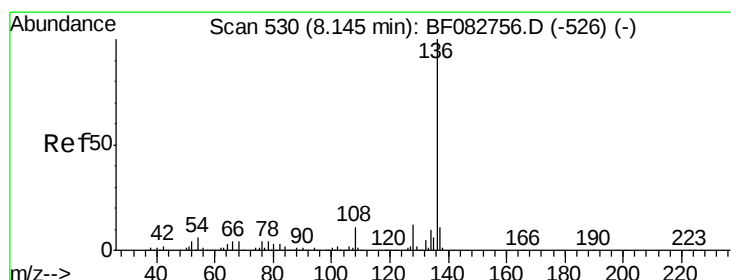
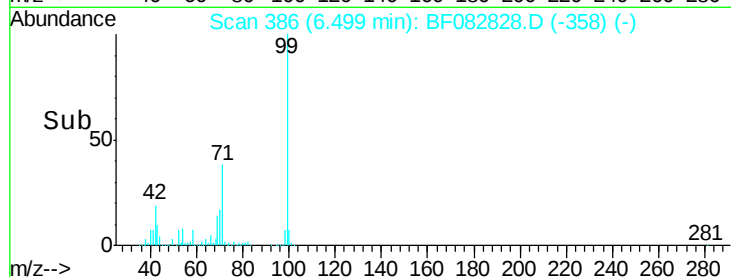
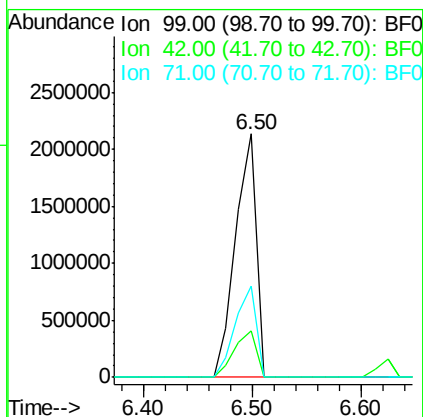
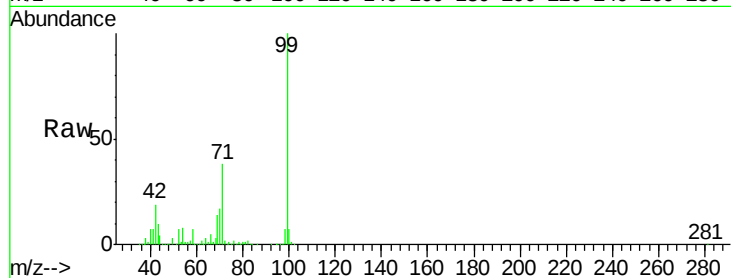
99 100

42 18.9 19.2 28.8#

71 37.6 35.0 52.4

Manual Integrations
APPROVED

Mmdadoda
11/9/2015 2:08:48 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Tgt Ion: 136 Resp: 843410

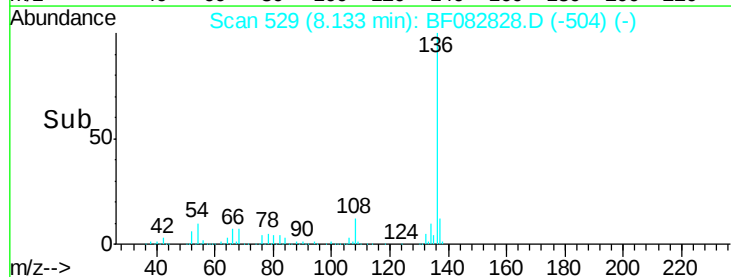
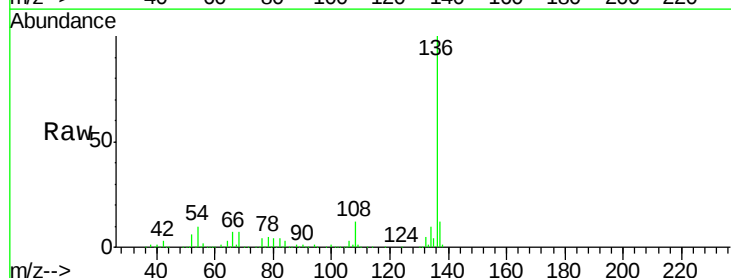
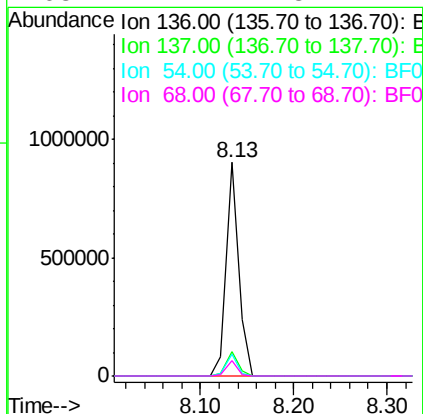
Ion Ratio Lower Upper

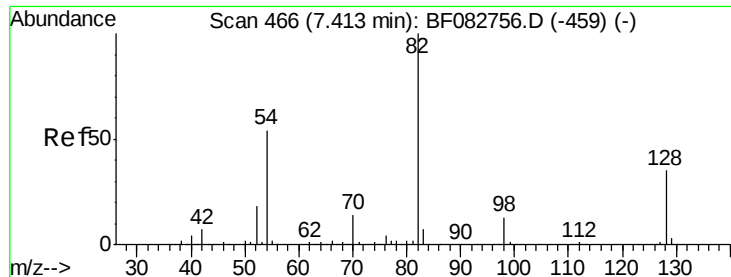
136 100

137 11.7 9.1 13.7

54 10.3 9.1 13.7

68 7.2 4.8 7.2#





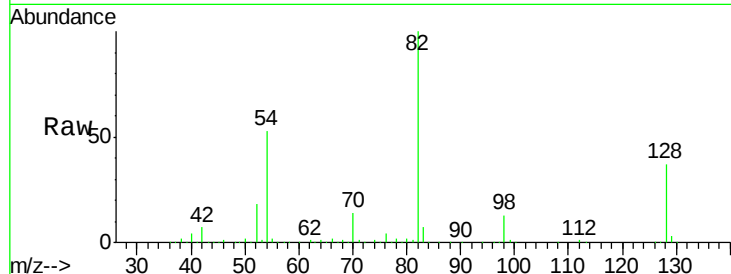
#23
 Nitrobenzene-d5
 Concen: 78.37 ng
 RT: 7.41 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Instrument :
 BNA_F
 ClientSampleId :
 DW4RE

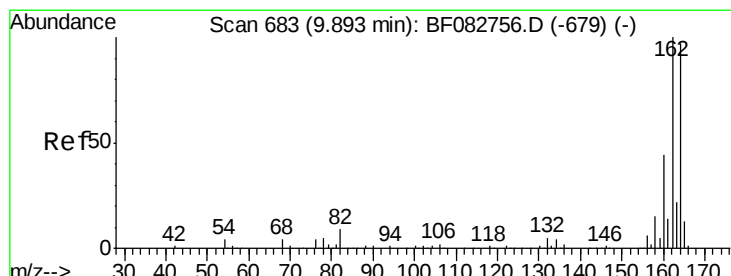
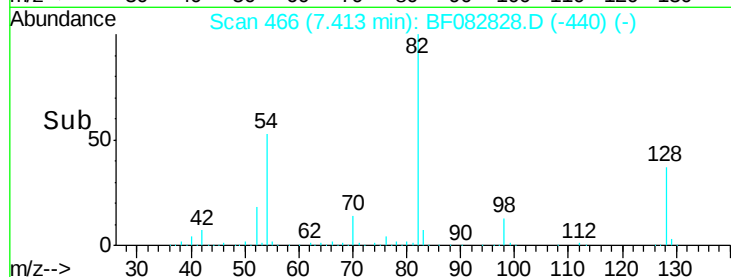
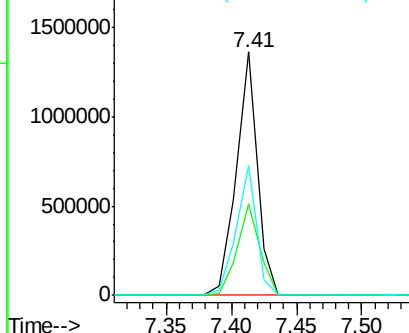
Tot Ion: 82 Resp: 1519007
 Ion Ratio Lower Upper
 82 100
 128 37.4 26.8 40.2
 54 53.2 45.7 68.5

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 2:08:48 PM

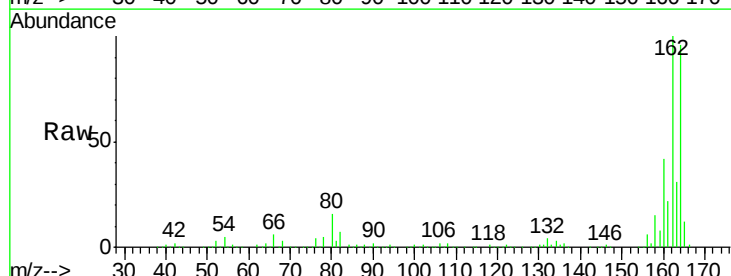


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

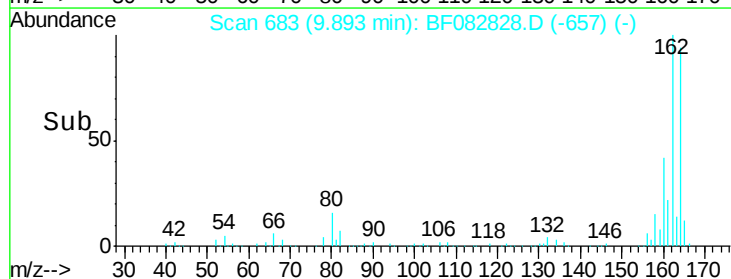
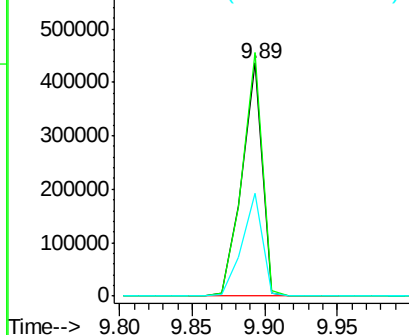


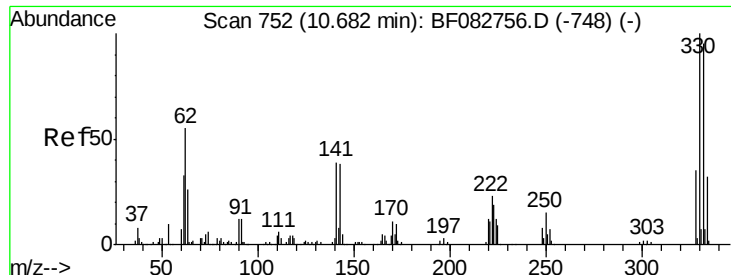
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.00 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Tgt Ion:164 Resp: 424131
 Ion Ratio Lower Upper
 164 100
 162 104.5 84.9 127.3
 160 44.1 37.5 56.3



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





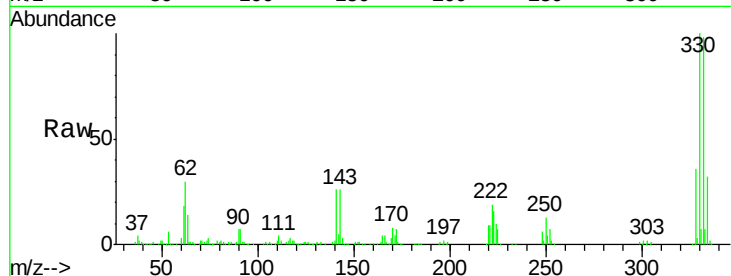
#41
 2,4,6-Tribromophenol
 Concen: 103.34 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Instrument :
 BNA_F
 ClientSampleId :
 DW4RE

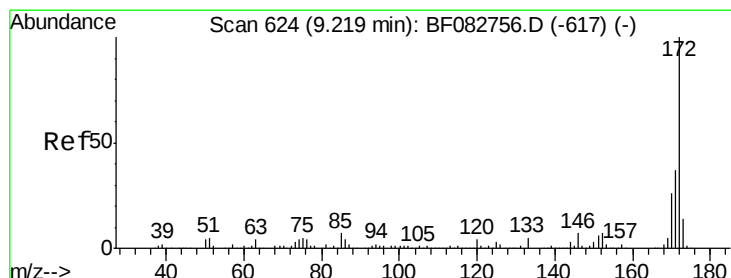
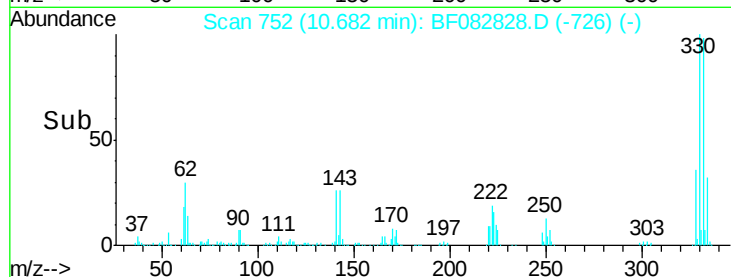
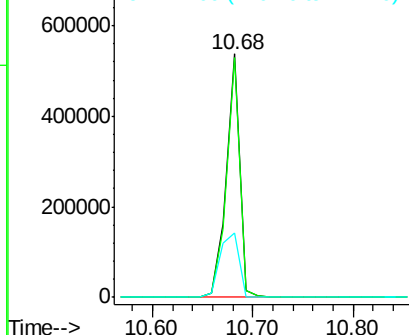
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	76.6	114.8	
141	37.5	41.2	61.8	

Manual Integrations
 APPROVED

Mmdadoda
 11/9/2015 2:08:48 PM

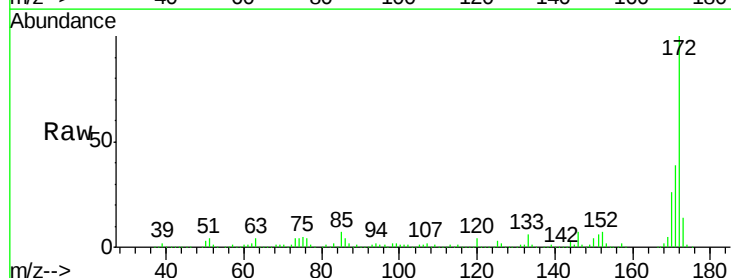


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

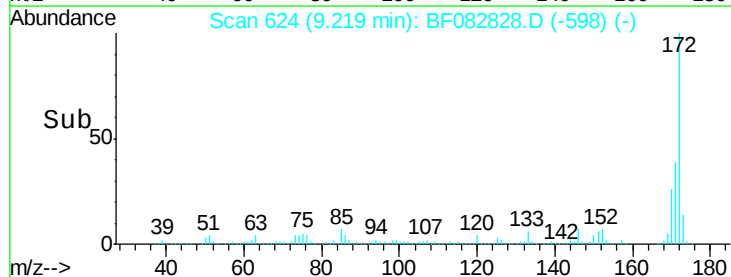
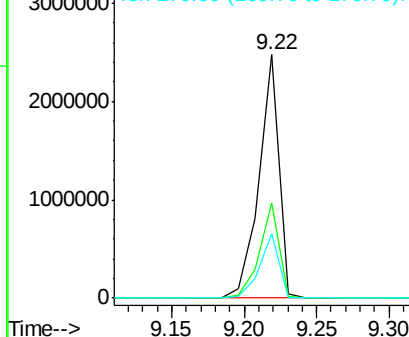


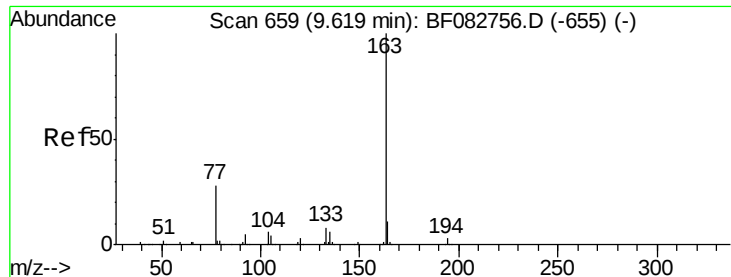
#44
 2-Fluorobiphenyl
 Concen: 79.56 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	39.2	30.8	46.2	
170	26.4	21.2	31.8	



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





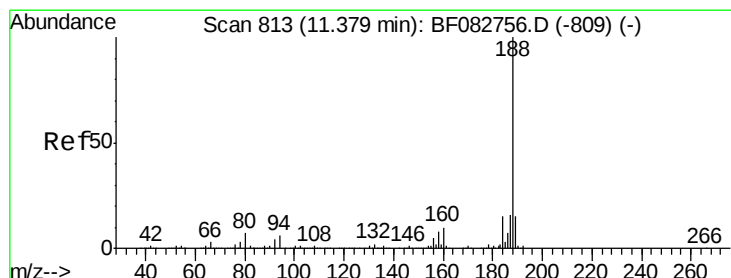
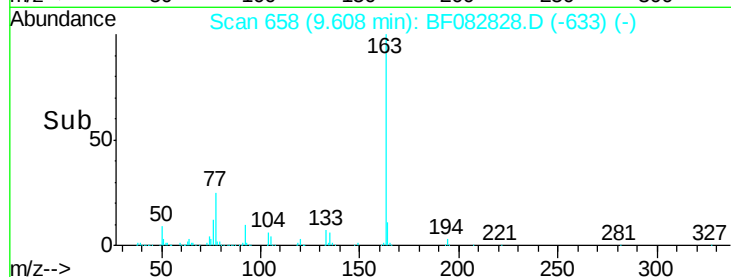
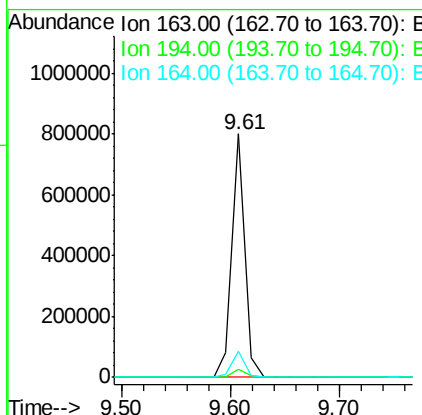
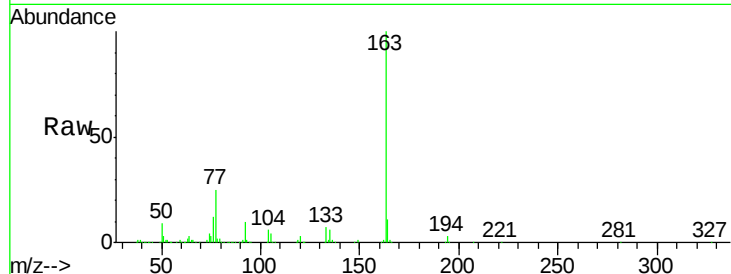
#49
Dimethylphthalate
Concen: 18.77 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

Instrument :
BNA_F
ClientSampled :
DW4RE

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.6	8.7	13.1

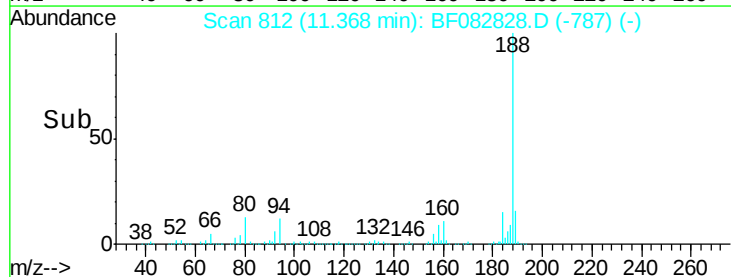
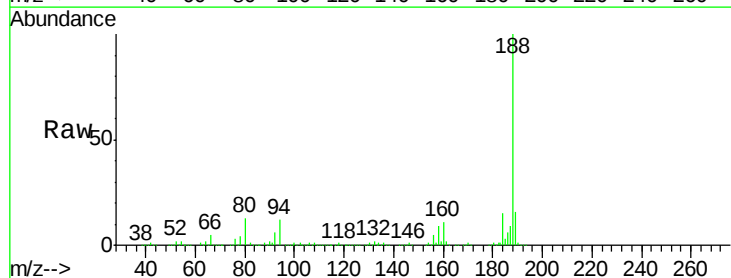
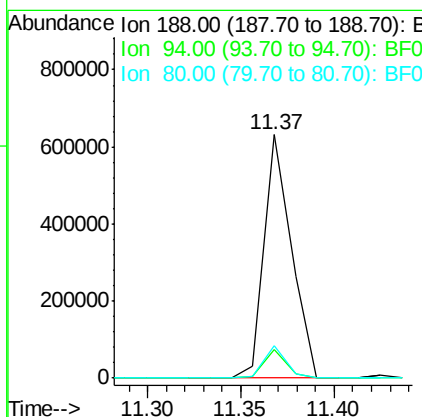
Manual Integrations
APPROVED

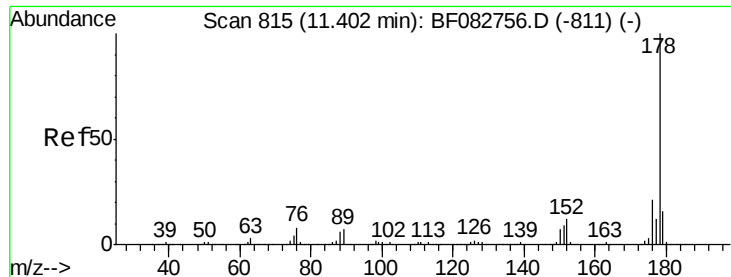
Mmdadoda
11/9/2015 2:08:48 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	6.1	9.1#
80	13.3	7.0	10.6#





#70

Phenanthrene

Concen: 5.51 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

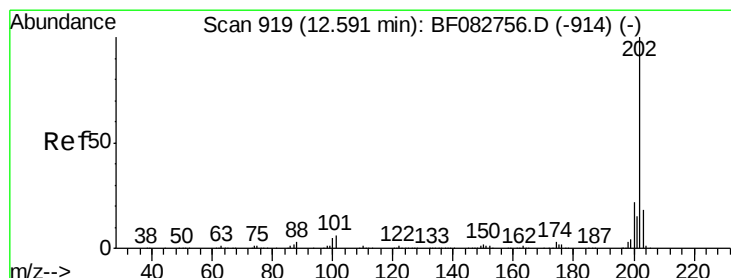
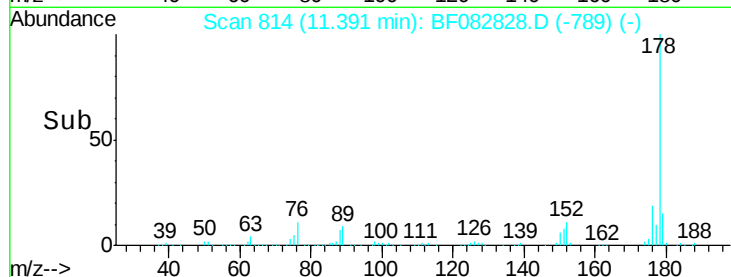
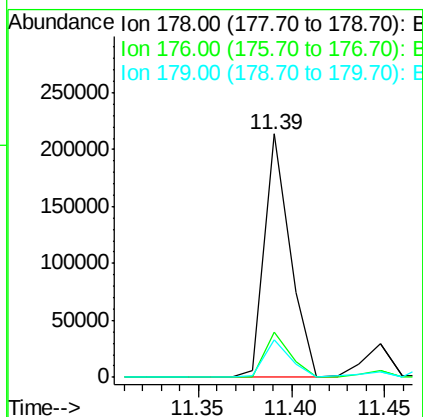
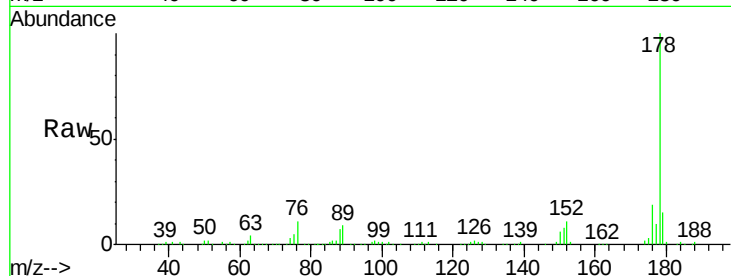
ClientSampleId :

DW4RE

Tot Ion:	178	Resp:	203534
Ion Ratio	Lower	Upper	
178	100		
176	18.8	17.0	25.4
179	15.2	13.4	20.0

Manual Integrations
APPROVED

Mmdadoda
11/9/2015 2:08:48 PM



#74

Fluoranthene

Concen: 11.52 ng

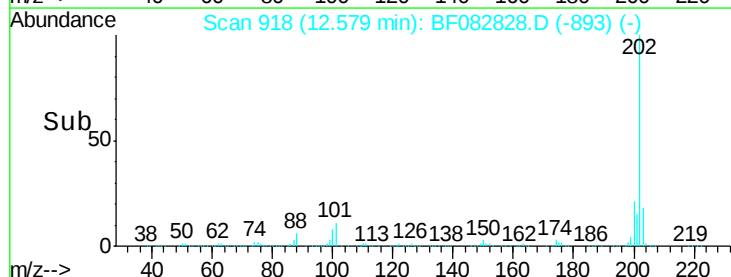
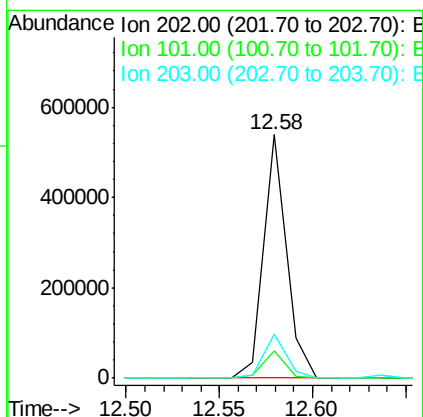
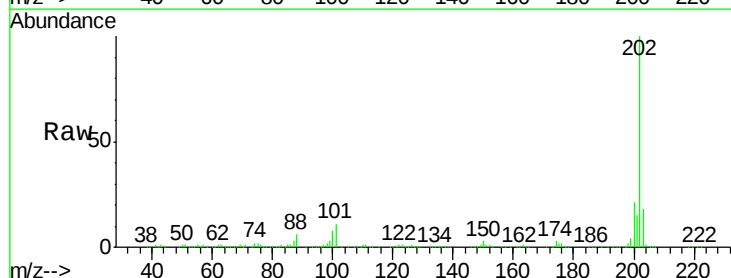
RT: 12.58 min Scan# 918

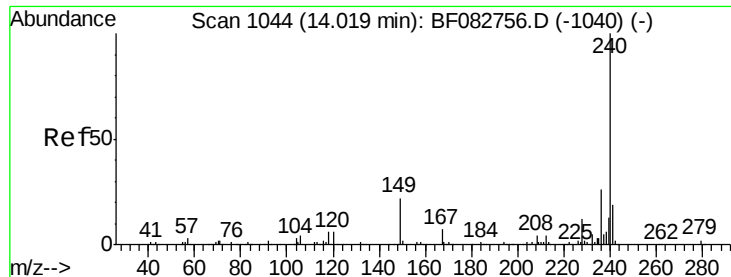
Delta R.T. -0.01 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Tgt Ion:	202	Resp:	456283
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	30.5
203	17.9	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

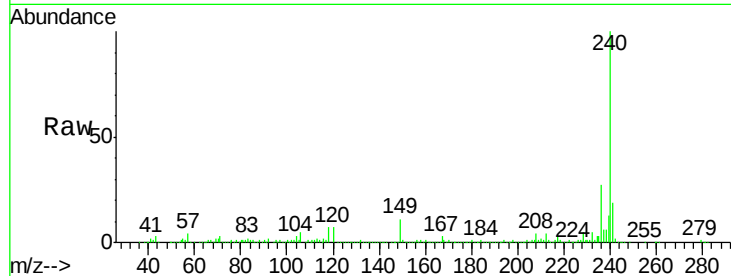
ClientSampleId :

DW4RE

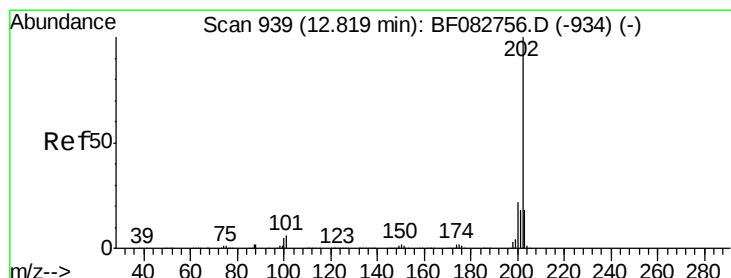
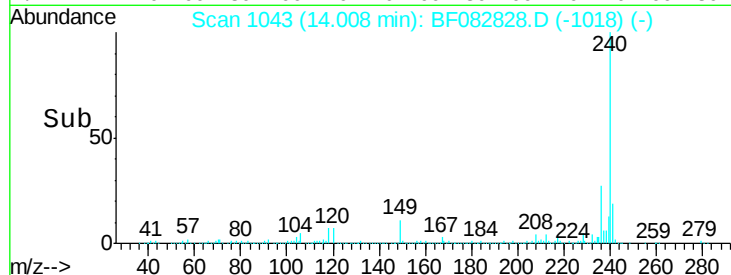
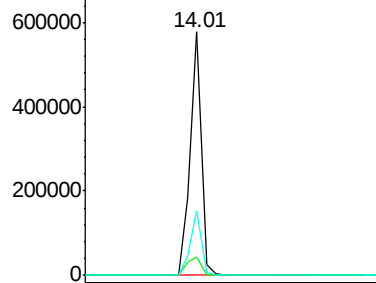
Tot Ion:	240	Resp:	546044
Ion Ratio		Lower	Upper
240	100		
120	7.3	10.9	16.3#
236	26.6	21.6	32.4

Manual Integrations
APPROVED

Mmdadoda
11/9/2015 2:08:48 PM



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: 9.25 ng

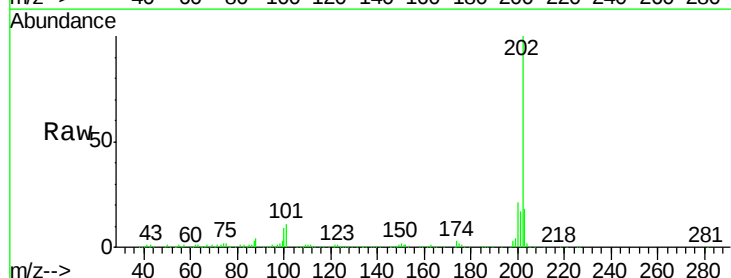
RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

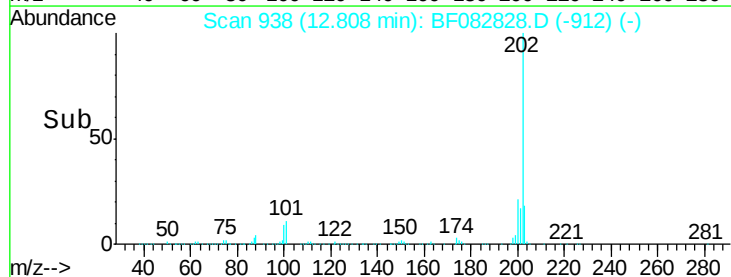
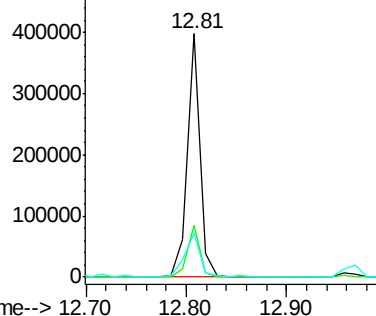
Lab File: BF082828.D

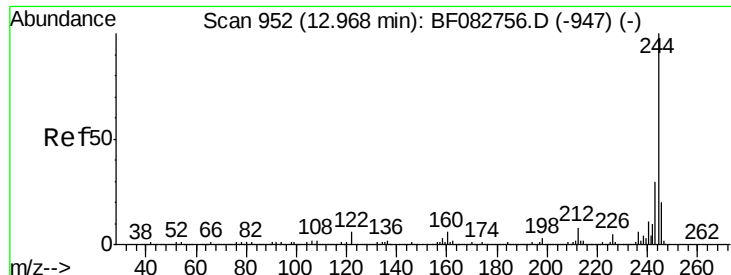
Acq: 8 Nov 2015 7:56

Tgt Ion:	202	Resp:	346976
Ion Ratio		Lower	Upper
202	100		
200	21.4	18.7	28.1
203	18.2	14.8	22.2



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: 63.04 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

ClientSampleId :

DW4RE

Tot Ion:244 Resp: 1451262

Ion Ratio Lower Upper

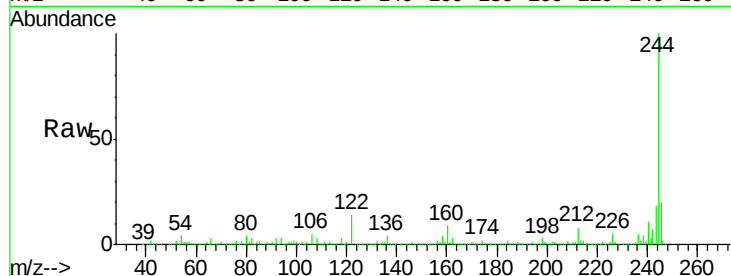
244 100

212 8.5 7.6 11.4

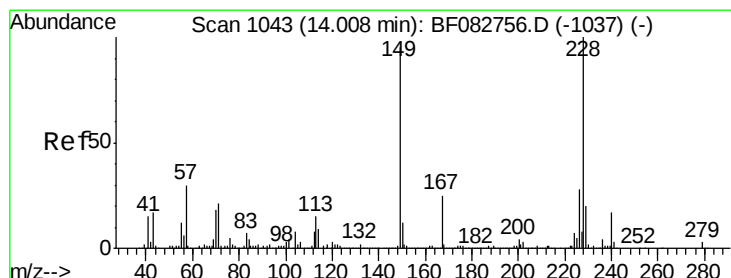
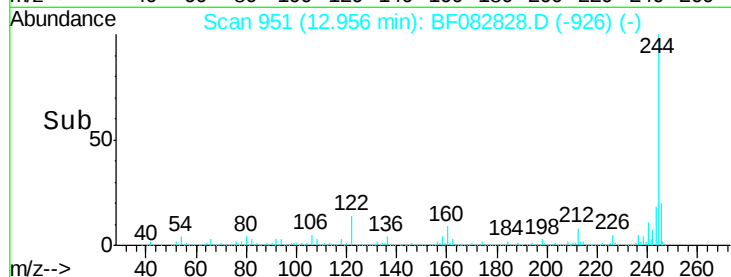
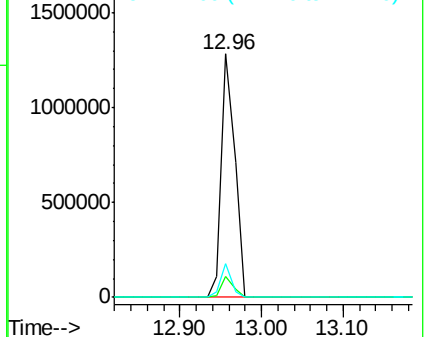
122 13.8 11.3 16.9

Manual Integrations
APPROVED

Mmdadoda
11/9/2015 2:08:48 PM



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: 4.11 ng m

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

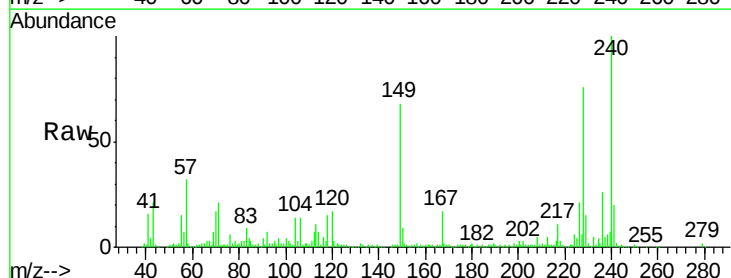
Tgt Ion:228 Resp: 140434

Ion Ratio Lower Upper

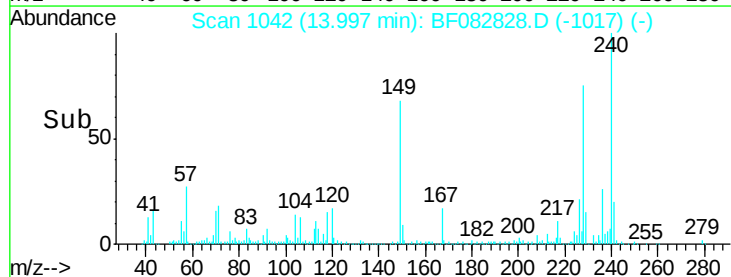
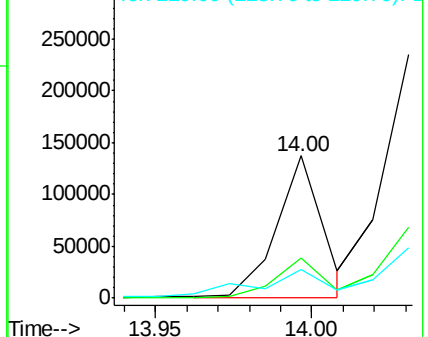
228 100

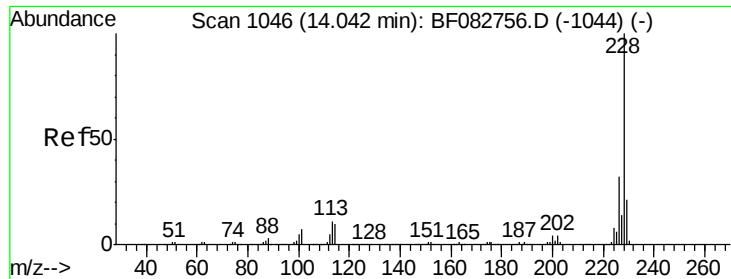
226 28.3 23.4 35.2

229 20.1 16.3 24.5



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





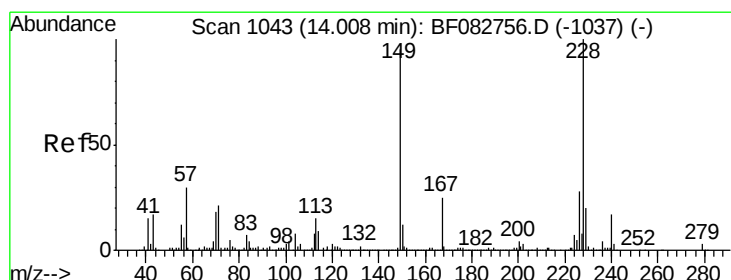
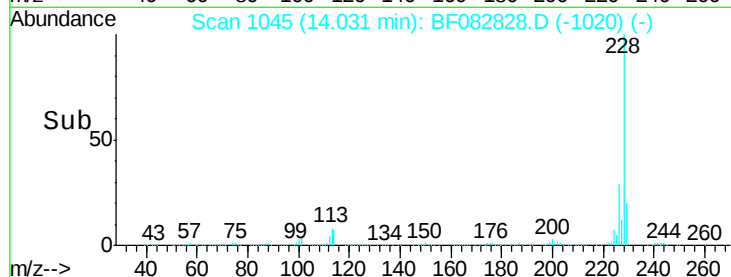
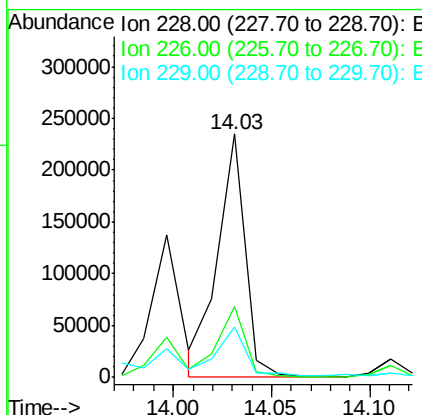
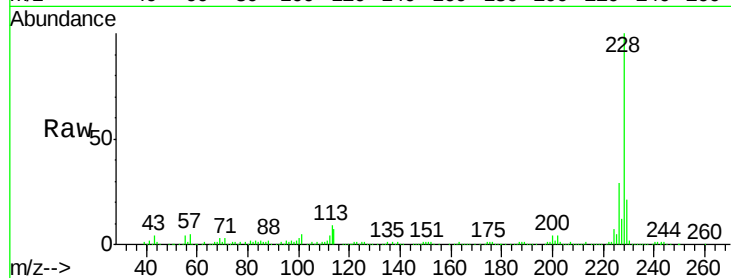
#82
 Chrvsene
 Concen: 7.32 ng/ml
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Instrument :
 BNA_F
 ClientSampleId :
 DW4RE

Tot Ion	Ratio	Resp	Lower	Upper
228	100	228883		
226	28.9		25.5	38.3
229	20.7		16.3	24.5

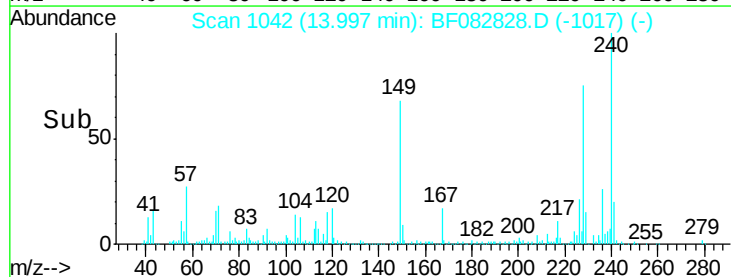
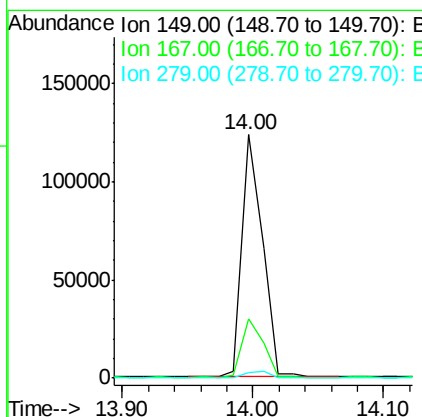
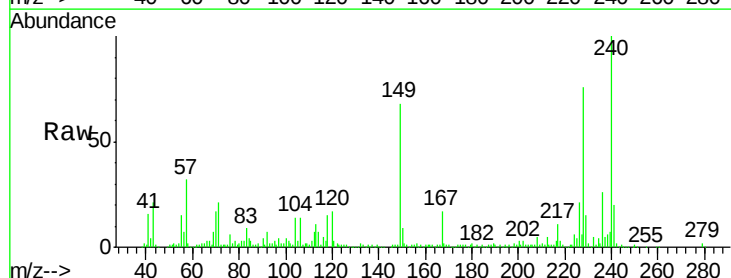
Manual Integrations
 APPROVED

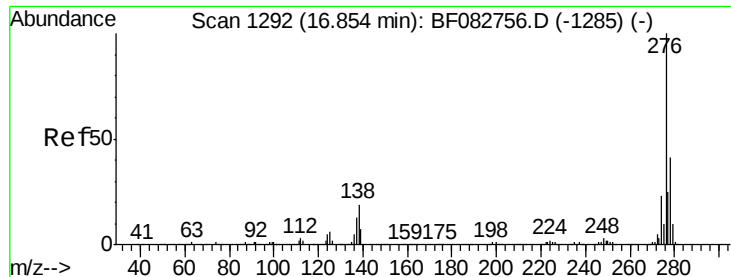
Mmdadoda
 11/9/2015 2:08:48 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.92 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF082828.D
 Acq: 8 Nov 2015 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	134243		
167	24.4		21.2	31.8
279	2.3		2.2	3.2





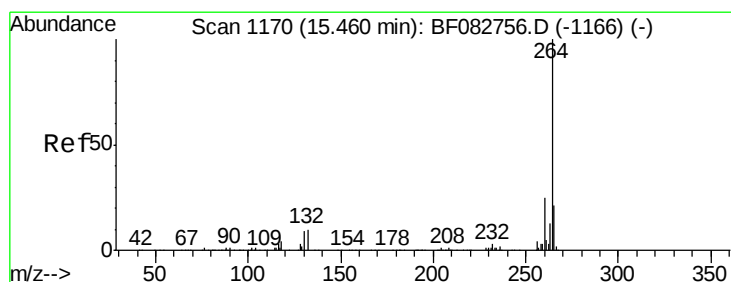
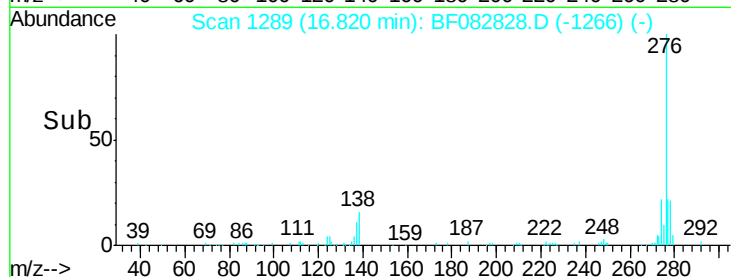
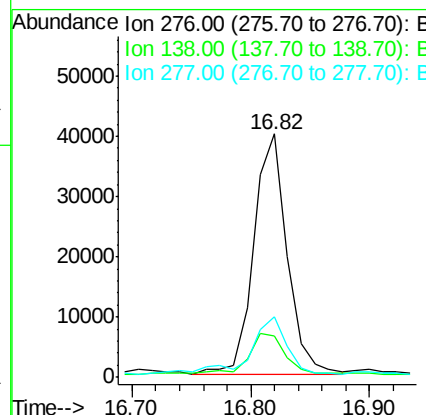
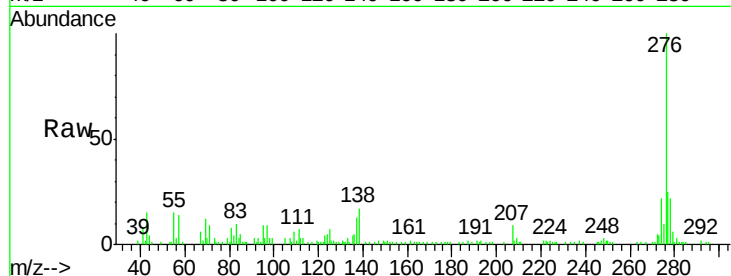
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.93 ng
RT: 16.82 min Scan# 1289
Delta R.T. -0.03 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

Instrument :
BNA_F
ClientSampled :
DW4RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.0	15.3	22.9
277	26.8	20.2	30.4

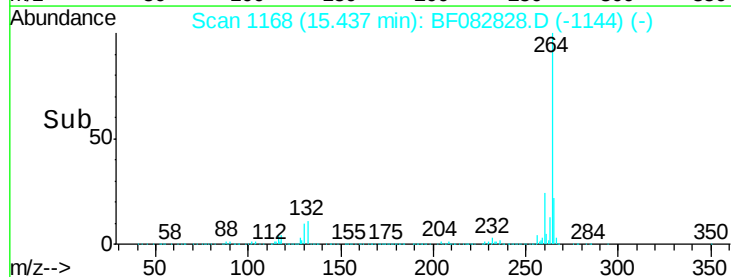
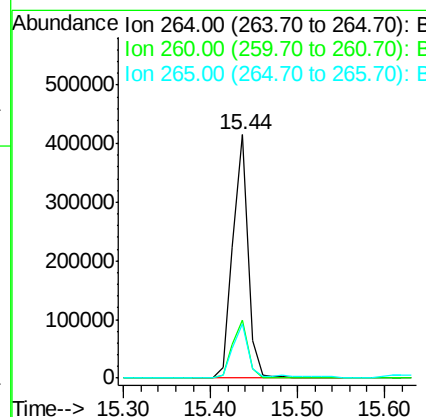
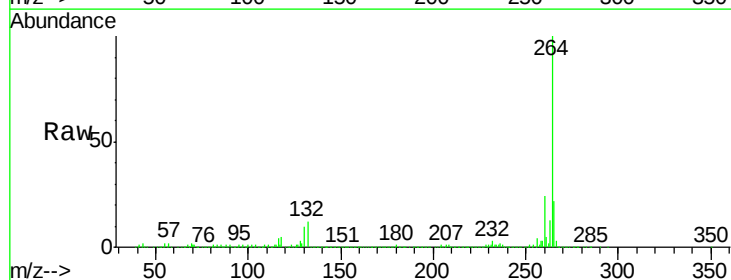
Manual Integrations
APPROVED

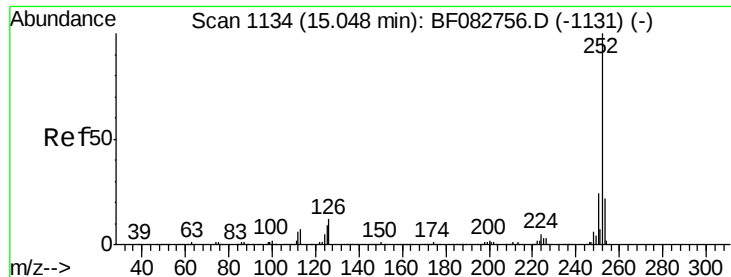
Mmdadoda
11/9/2015 2:08:48 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.8	29.6
265	22.5	17.4	26.0





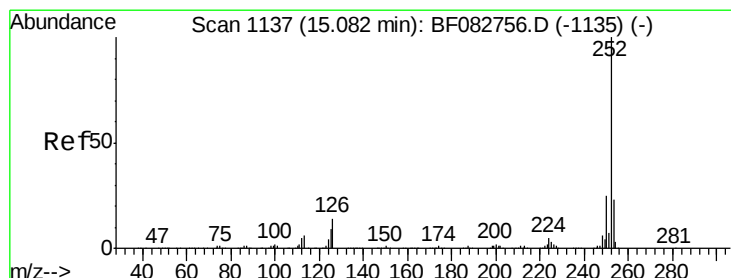
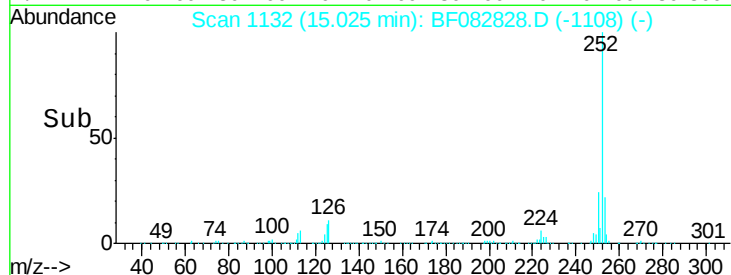
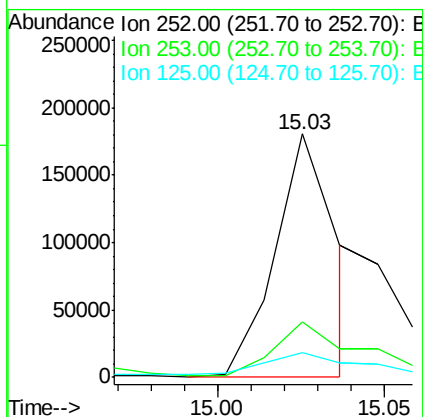
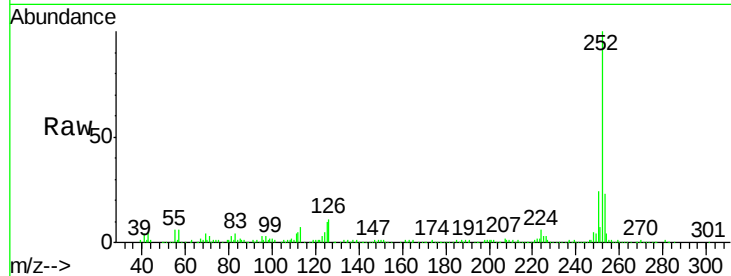
#87
Benzo(b)fluoranthene
Concen: 7.09 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.02 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

Instrument :
BNA_F
ClientSampleId :
DW4RE

Tot Ion	Ratio	Resp	Lower	Upper
252	100	231578		
253	22.8	17.8	26.8	
125	10.0	5.4	8.2	

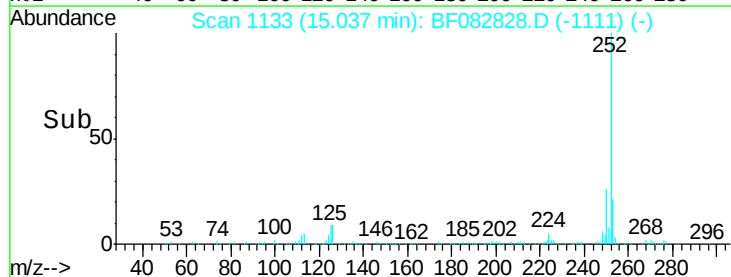
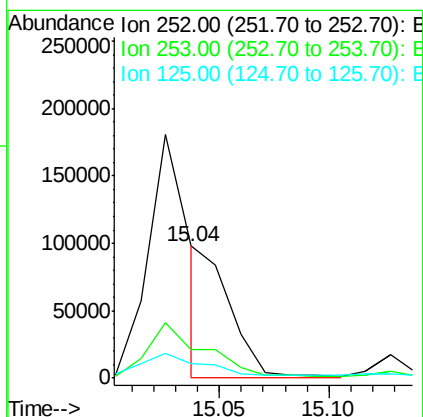
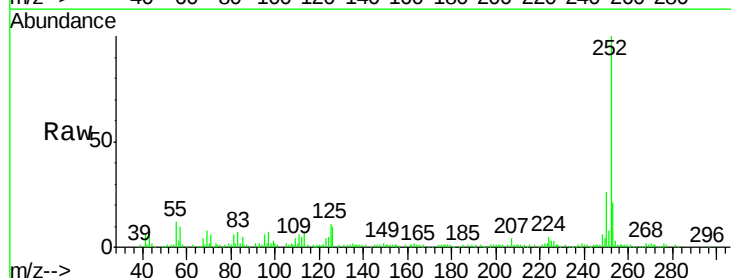
Manual Integrations
APPROVED

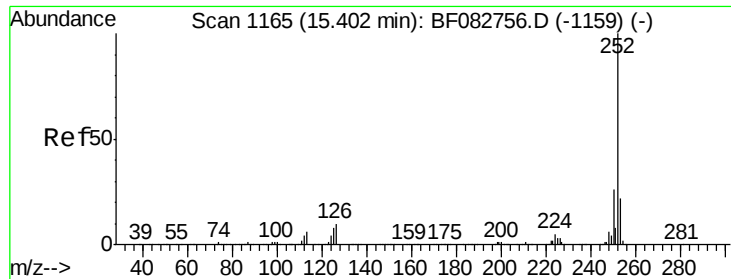
Mmdadoda
11/9/2015 2:08:48 PM



#88
Benzo(k)fluoranthene
Concen: 2.98 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.05 min
Lab File: BF082828.D
Acq: 8 Nov 2015 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	86486		
253	21.3	17.9	26.9	
125	11.2	3.5	5.3	





#89

Benzo(a)pyrene

Concen: 3.90 ng

RT: 15.37 min Scan# 1162

Delta R.T. -0.03 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Instrument :

BNA_F

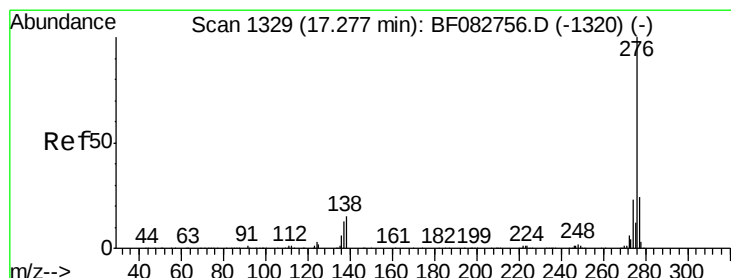
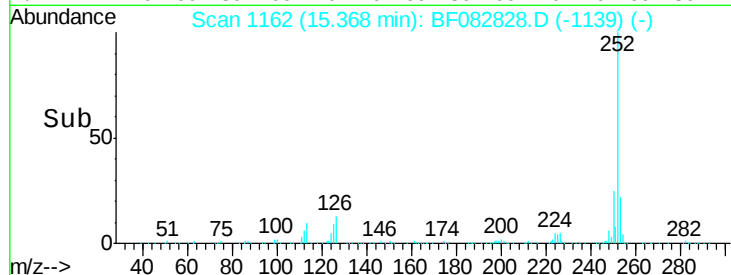
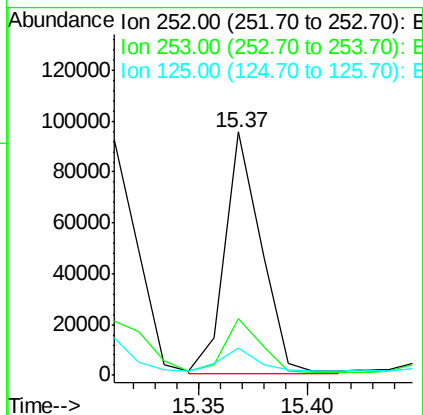
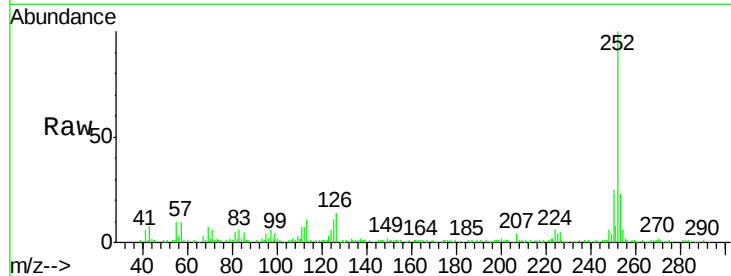
ClientSampleId :

DW4RE

Tot Ion:	252	Resp:	110322
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.3	25.9
125	11.4	7.1	10.7#

Manual Integrations
APPROVED

Mmdadoda
11/9/2015 2:08:48 PM



#91

Benzo(g,h,i)perylene

Concen: 3.12 ng

RT: 17.23 min Scan# 1325

Delta R.T. -0.03 min

Lab File: BF082828.D

Acq: 8 Nov 2015 7:56

Tgt Ion:	276	Resp:	71591
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.2	28.8
138	22.1	13.1	19.7#

