

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079650.D
 Acq On : 31 May 2015 23:25
 Operator : TP/IZ
 Sample : G2427-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HB-9A-DEL3(0-2)

Manual Integrations
 APPROVED

apatel
 6/1/2015 8:43:53 PM

Quant Time: Jun 01 05:35:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 04:06:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	64721	20.00	ng	0.00
21) Naphthalene-d8	8.48	136	272005	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	135715	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	266195	20.00	ng	0.00
75) Chrysene-d12	15.75	240	278248	20.00	ng	0.00
86) Perylene-d12	17.45	264	295579	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	309315	82.89	ng	0.02
7) Phenol-d6	6.51	99	425226	89.41	ng	0.01
23) Nitrobenzene-d5	7.61	82	253651	53.91	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	126183	84.65	ng	0.00
44) 2-Fluorobiphenyl	9.83	172	519872	54.65	ng	0.00
78) Terphenyl-d14	14.48	244	621857	52.45	ng	0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	9.37	142	19271	2.13	ng	98
49) Dimethylphthalate	10.34	163	194634	19.46	ng	100
70) Phenanthrene	12.51	178	99064	6.78	ng	98
74) Fluoranthene	13.98	202	135545	8.66	ng	95
77) Pyrene	14.25	202	126460	7.34	ng	# 95
79) Butylbenzylphthalate	15.10	149	40281	5.20	ng	98
80) Benzo(a)anthracene	15.74	228	69900	4.37	ng	96
82) Chrysene	15.78	228	61196	4.02	ng	99
83) Bis(2-ethylhexyl)phthalate	15.82	149	106063	9.55	ng	98
87) Benzo(b)fluoranthene	17.02	252	73976m	4.39	ng	
88) Benzo(k)fluoranthene	17.03	252	33595m	2.23	ng	
89) Benzo(a)pyrene	17.38	252	57799	2.08	ng	# 96

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

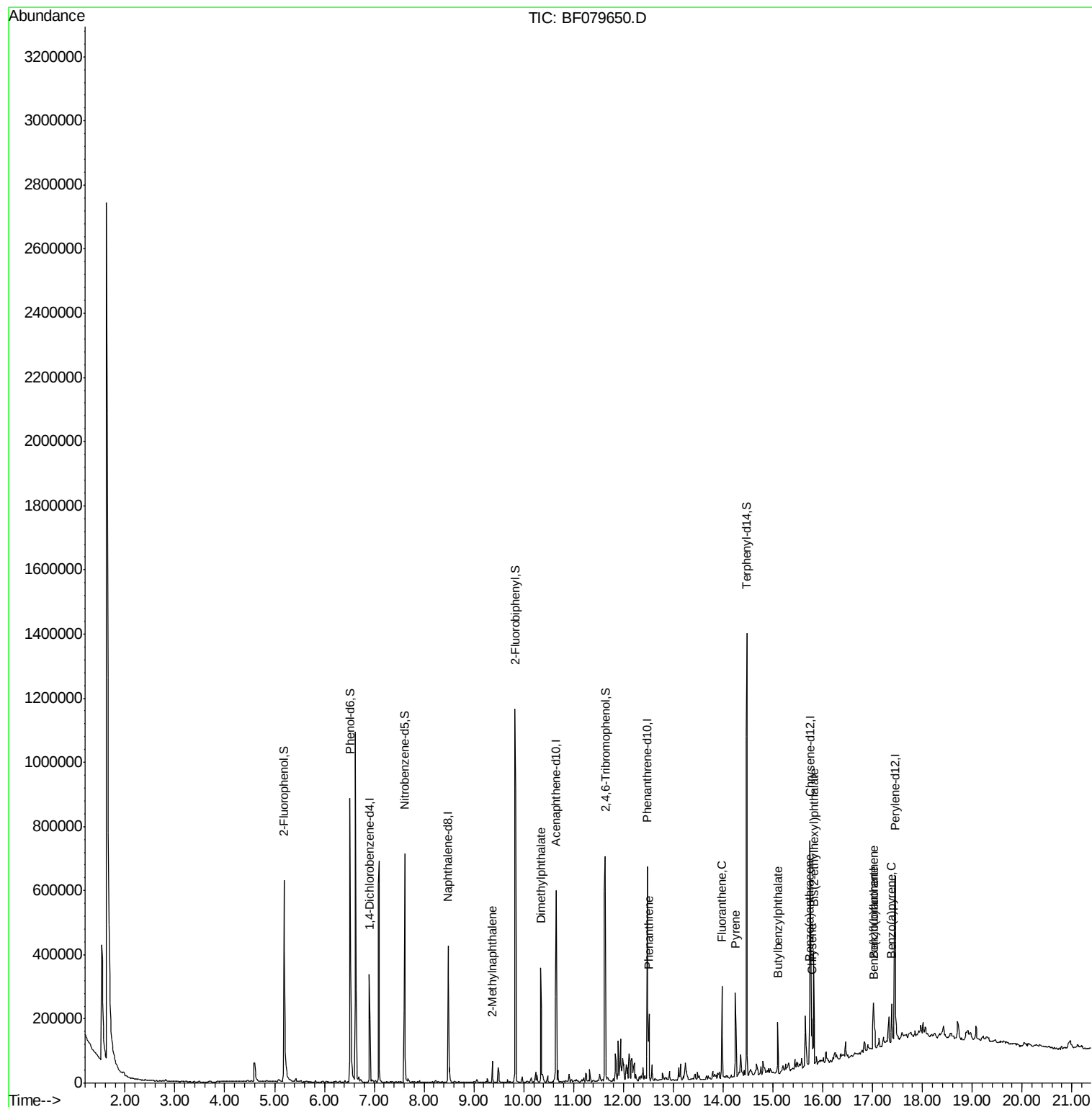
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079650.D
Acq On : 31 May 2015 23:25
Operator : TP/IZ
Sample : G2427-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

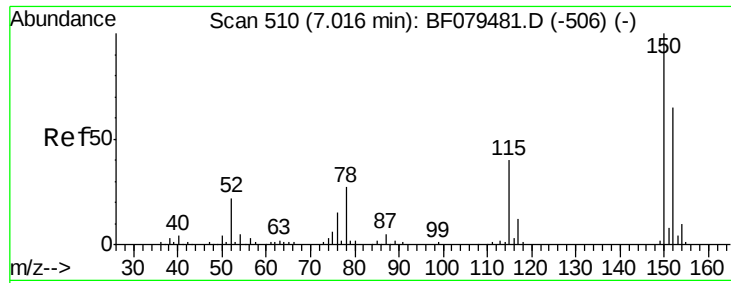
Instrument :
BNA_F
ClientSampleId :
HB-9A-DEL3(0-2)

Manual Integrations
APPROVED

apatel
6/1/2015 8:43:53 PM

Quant Time: Jun 01 05:35:54 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 01 04:06:42 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF079650.D

Acq: 31 May 2015 23:25

Instrument :

BNA_F

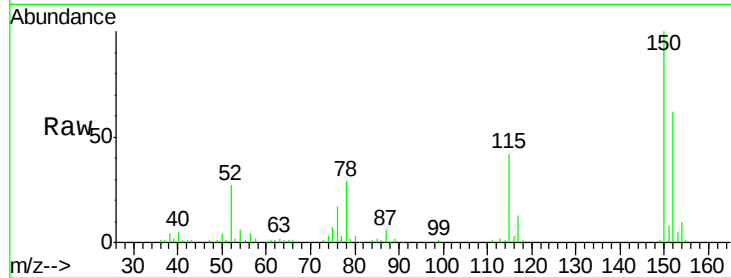
ClientSampleId :

HB-9A-DEL3(0-2)

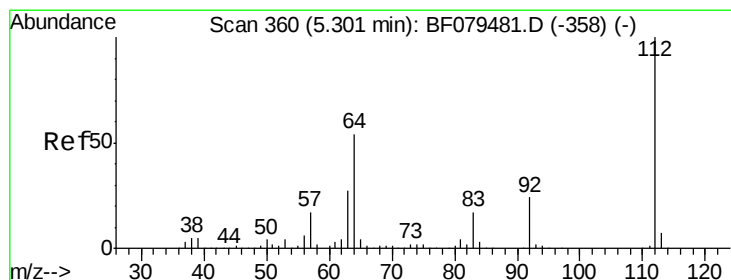
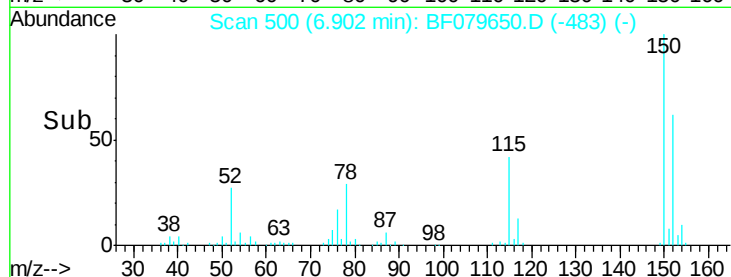
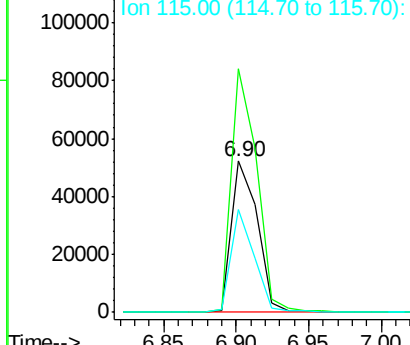
Tgt Ion:	152	Resp:	64721
Ion Ratio	Lower	Upper	
152	100		
150	160.9	124.0	186.0
115	67.7	49.6	74.4

Manual Integrations
APPROVED

apatel
6/1/2015 8:43:53 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 82.89 ng

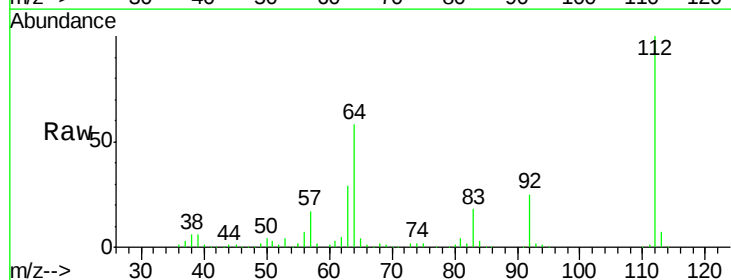
RT: 5.19 min Scan# 350

Delta R.T. 0.02 min

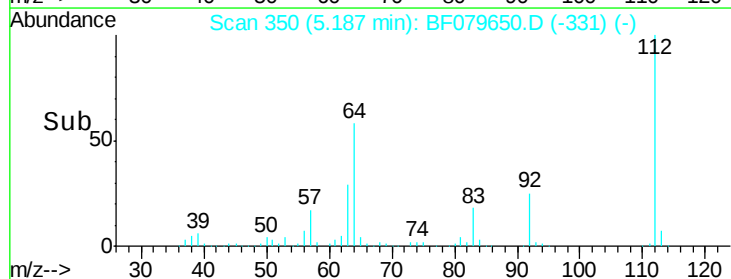
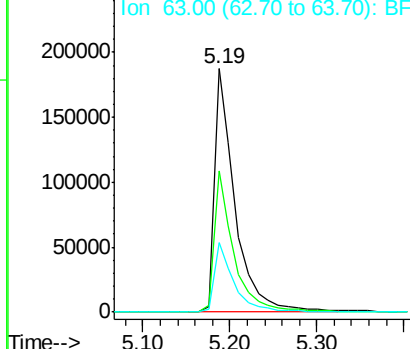
Lab File: BF079650.D

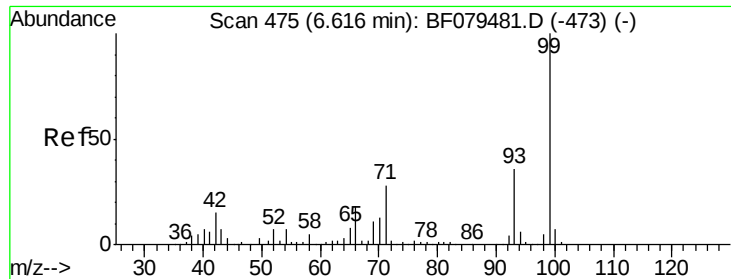
Acq: 31 May 2015 23:25

Tgt Ion:	112	Resp:	309315
Ion Ratio	Lower	Upper	
112	100		
64	58.0	43.5	65.3
63	28.8	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 89.41 ng

RT: 6.51 min Scan# 466

Delta R.T. 0.01 min

Lab File: BF079650.D

Acq: 31 May 2015 23:25

Instrument :

BNA_F

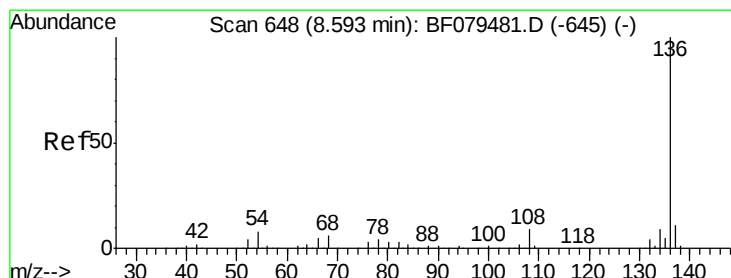
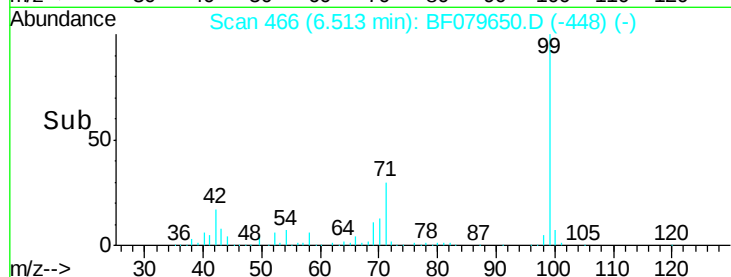
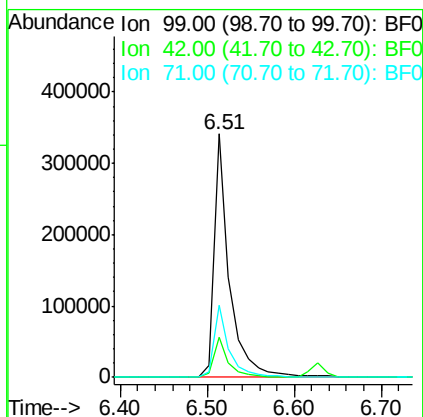
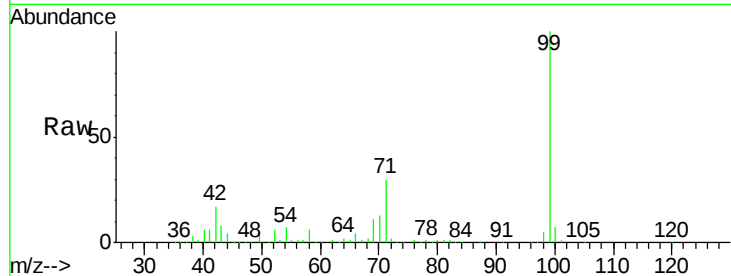
ClientSampleId :

HB-9A-DEL3(0-2)

Tgt Ion:	99	Resp:	425226
Ion Ratio	Lower	Upper	
99	100		
42	16.6	11.9	17.9
71	29.8	22.1	33.1

Manual Integrations
APPROVED

apatel
6/1/2015 8:43:53 PM



#21

Naphthalene-d8

Concen: 20.00 ng

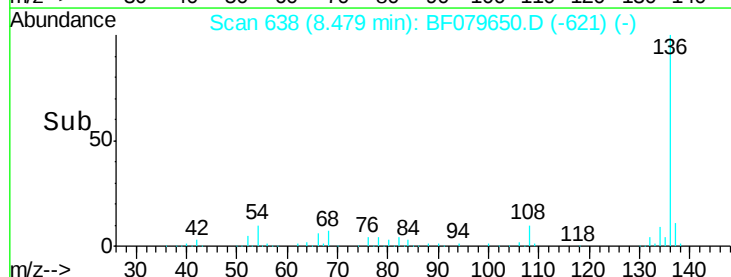
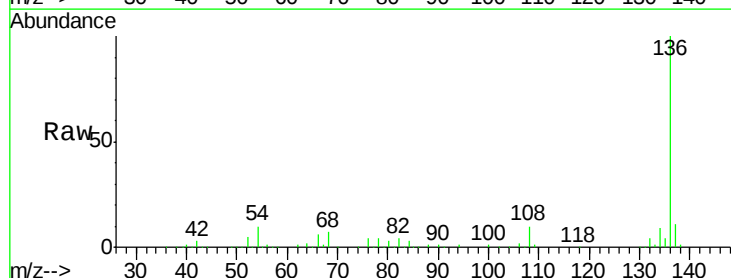
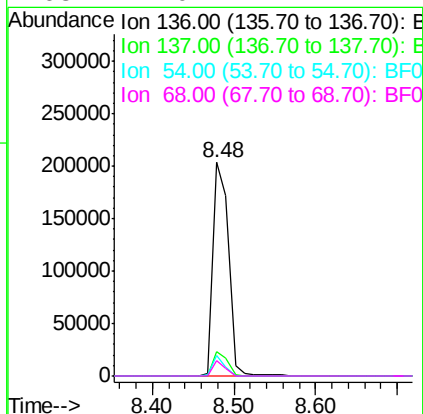
RT: 8.48 min Scan# 638

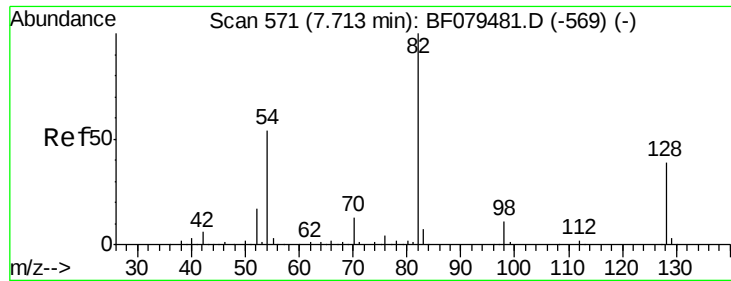
Delta R.T. -0.00 min

Lab File: BF079650.D

Acq: 31 May 2015 23:25

Tgt Ion:	136	Resp:	272005
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.5	12.7
54	9.8	6.6	9.8
68	7.0	4.7	7.1





#23

Nitrobenzene-d5

Concen: 53.91 ng

RT: 7.61 min Scan# 562

Delta R.T. -0.00 min

Lab File: BF079650.D

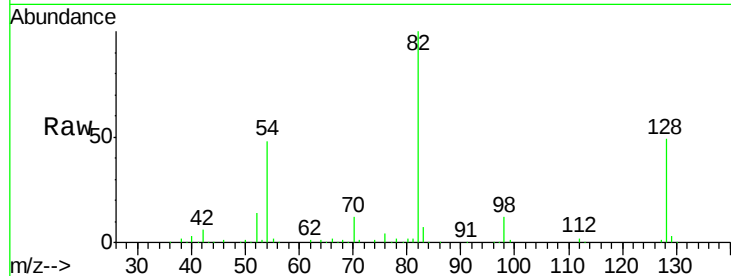
Acq: 31 May 2015 23:25

Instrument :

BNA_F

ClientSampleId :

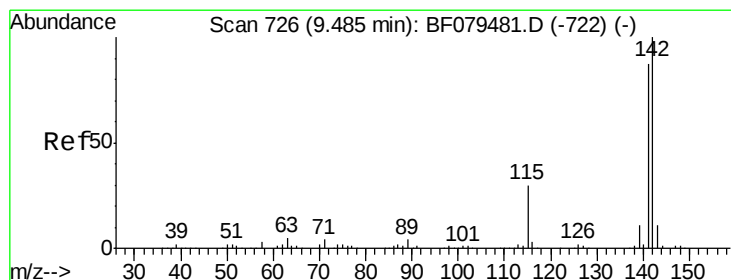
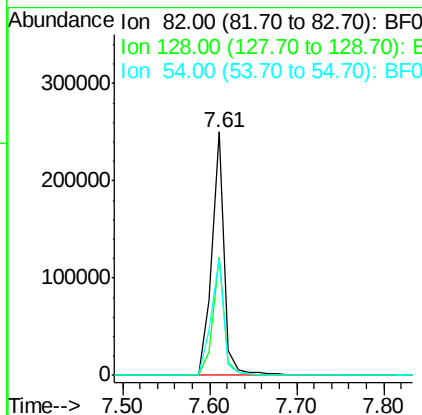
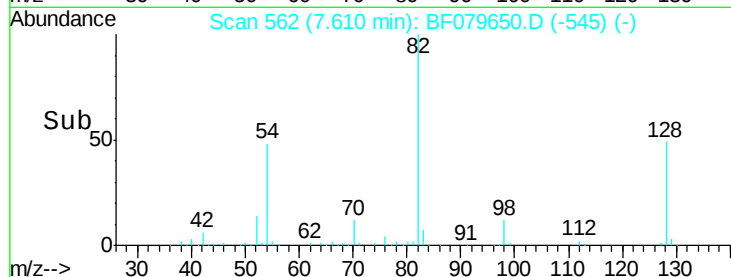
HB-9A-DEL3(0-2)



Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.5	30.8	46.2#
54	47.9	42.8	64.2

Manual Integrations
APPROVED

apatel
6/1/2015 8:43:53 PM



#37

2-Methylnaphthalene

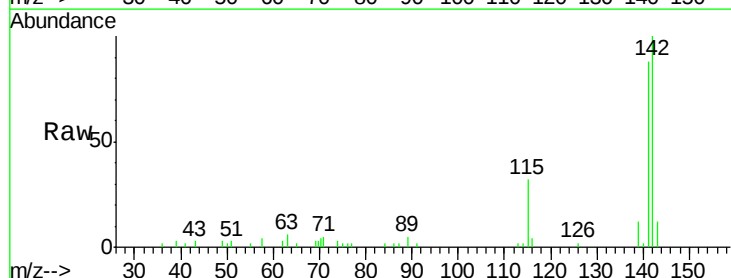
Concen: 2.13 ng

RT: 9.37 min Scan# 716

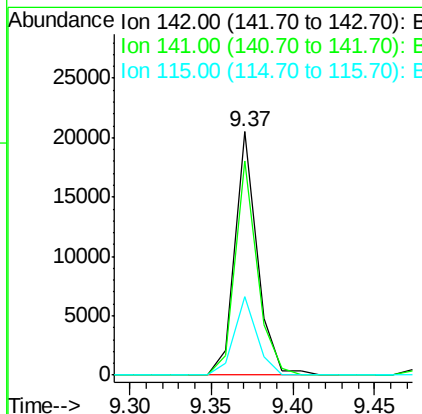
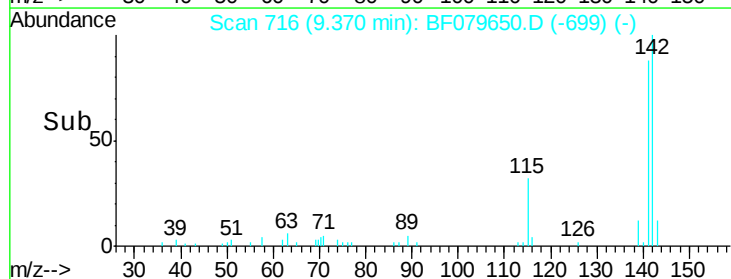
Delta R.T. -0.00 min

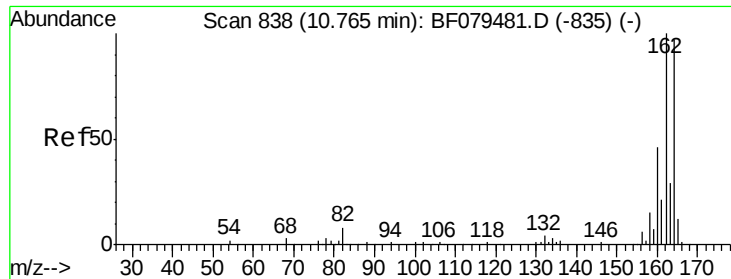
Lab File: BF079650.D

Acq: 31 May 2015 23:25



Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	69.5	104.3
115	32.1	23.8	35.6





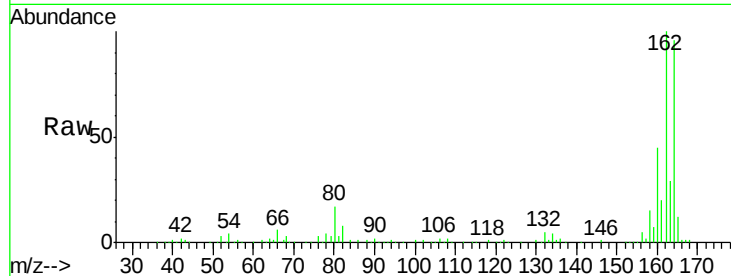
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.65 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF079650.D
Acq: 31 May 2015 23:25

Instrument :
BNA_F
ClientSampleId :
HB-9A-DEL3(0-2)

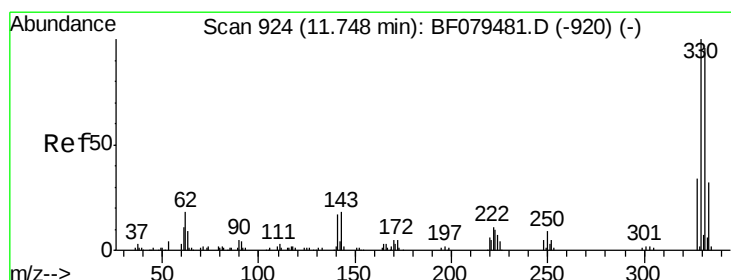
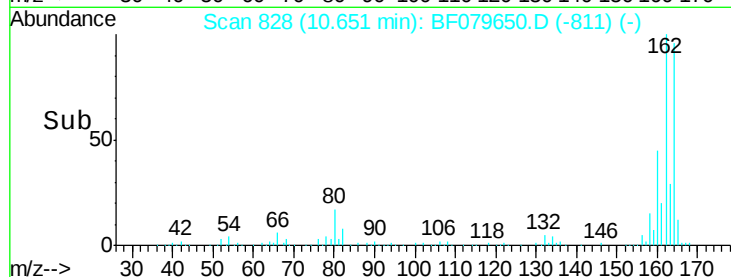
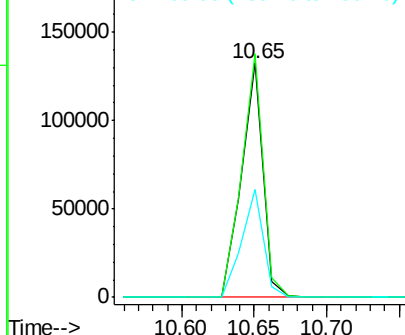
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	135715		
162	103.9	82.6	124.0	
160	46.2	37.7	56.5	

Manual Integrations
APPROVED

apatel
6/1/2015 8:43:53 PM

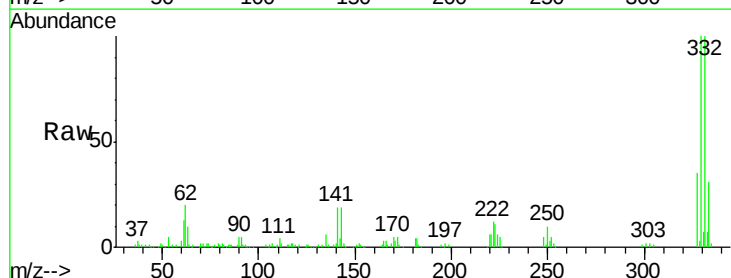


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

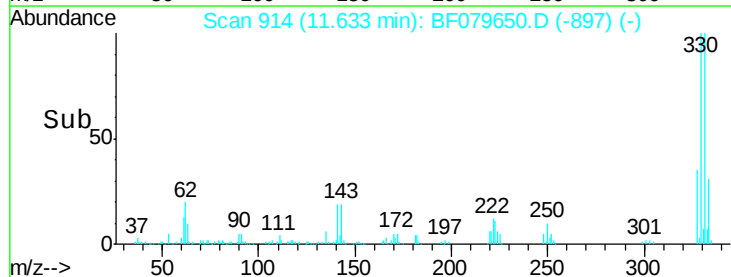
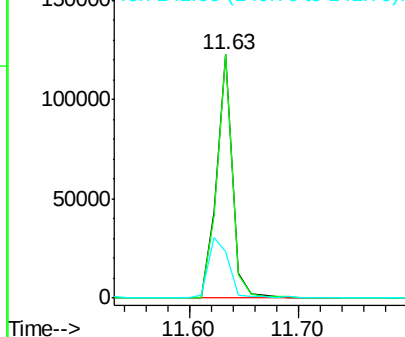


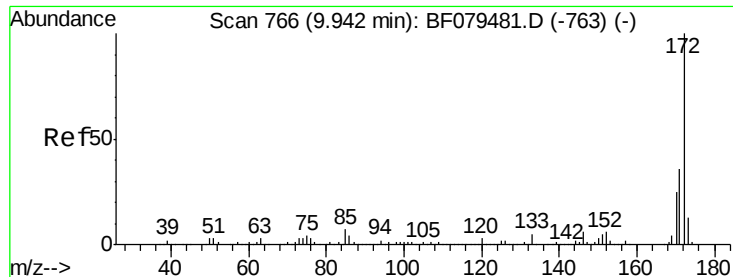
#41
2,4,6-Tribromophenol
Concen: 84.65 ng
RT: 11.63 min Scan# 914
Delta R.T. -0.00 min
Lab File: BF079650.D
Acq: 31 May 2015 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	126183		
332	98.5	0.0	0.0#	
141	33.1	0.0	0.0#	



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





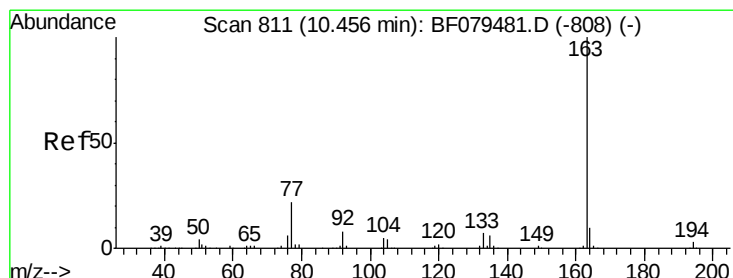
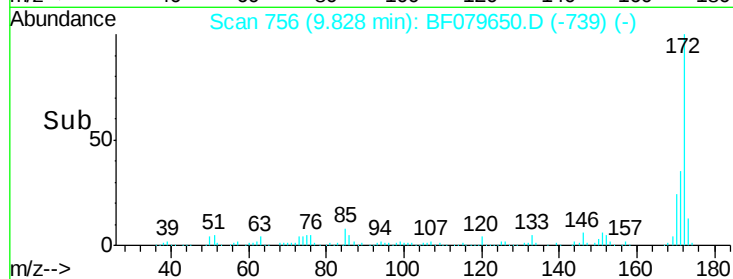
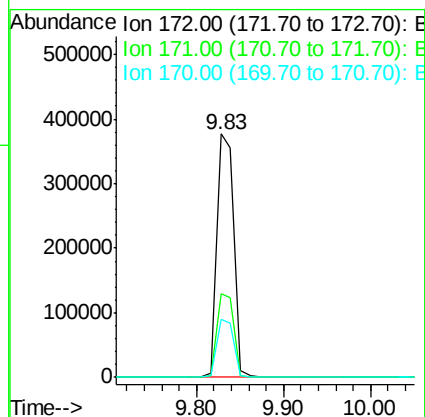
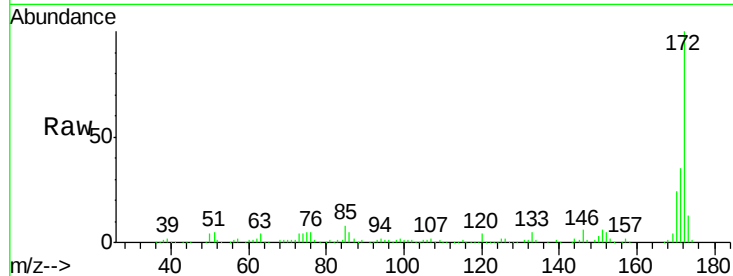
#44
 2-Fluorobiphenyl
 Concen: 54.65 ng
 RT: 9.83 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF079650.D
 Acq: 31 May 2015 23:25

Instrument :
 BNA_F
 ClientSampleId :
 HB-9A-DEL3(0-2)

Tgt Ion:	172	Resp:	519872
Ion Ratio	Lower	Upper	
172	100		
171	34.6	28.5	42.7
170	24.0	19.7	29.5

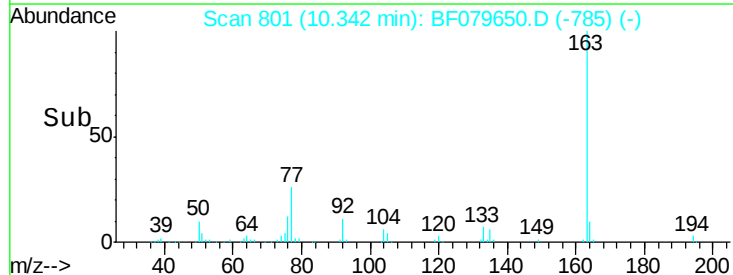
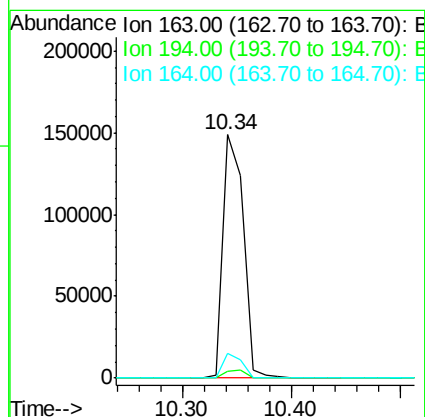
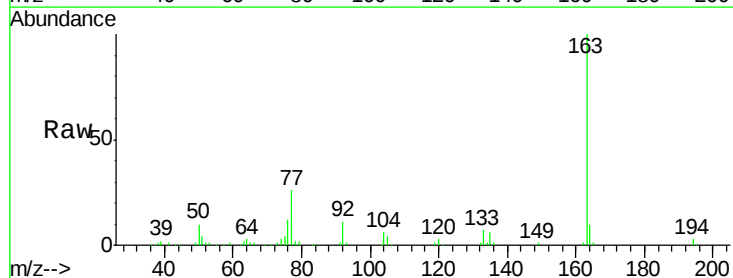
Manual Integrations
 APPROVED

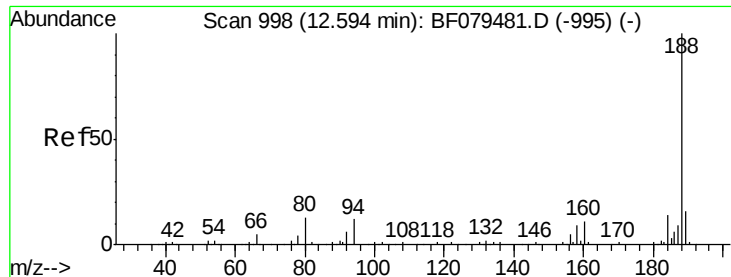
apatel
 6/1/2015 8:43:53 PM



#49
 Dimethylphthalate
 Concen: 19.46 ng
 RT: 10.34 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF079650.D
 Acq: 31 May 2015 23:25

Tgt Ion:	163	Resp:	194634
Ion Ratio	Lower	Upper	
163	100		
194	2.8	2.4	3.6
164	10.4	8.2	12.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.48 min Scan# 988

Delta R.T. -0.00 min

Lab File: BF079650.D

Acq: 31 May 2015 23:25

Instrument :

BNA_F

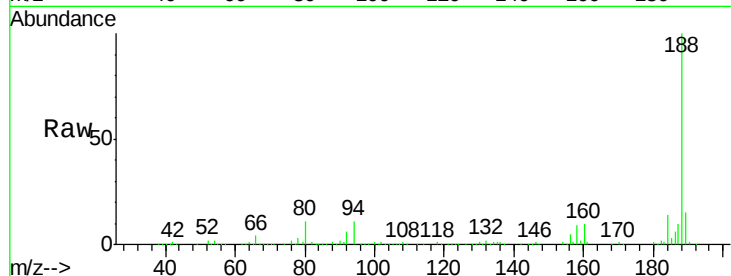
ClientSampleId :

HB-9A-DEL3(0-2)

Tgt Ion:	188	Resp:	266195
Ion Ratio	Lower	Upper	
188	100		
94	11.2	9.8	14.6
80	11.3	10.5	15.7

Manual Integrations
APPROVED

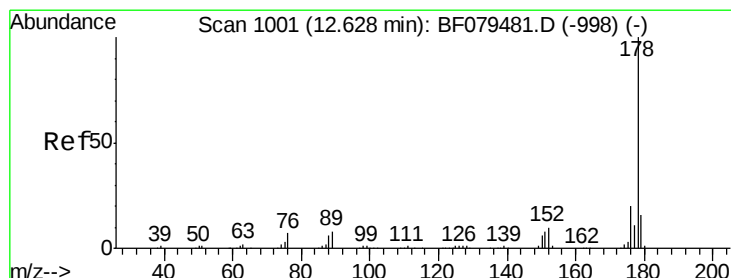
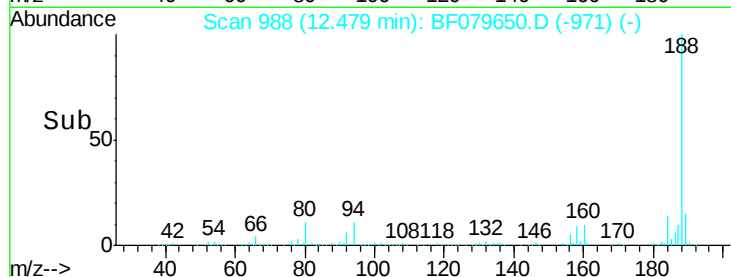
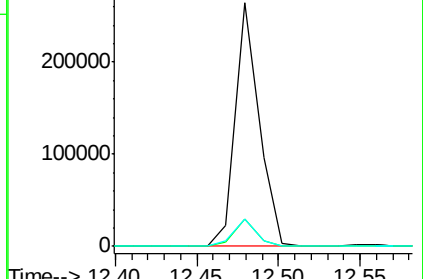
apatel
6/1/2015 8:43:53 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 6.78 ng

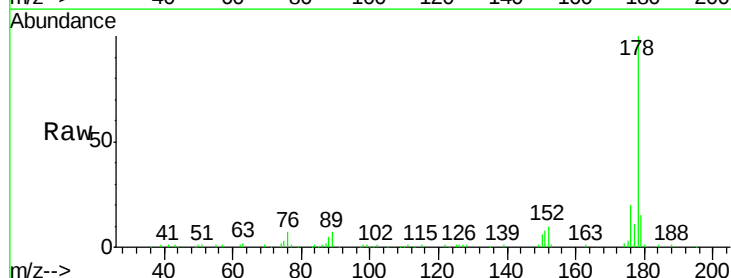
RT: 12.51 min Scan# 991

Delta R.T. -0.00 min

Lab File: BF079650.D

Acq: 31 May 2015 23:25

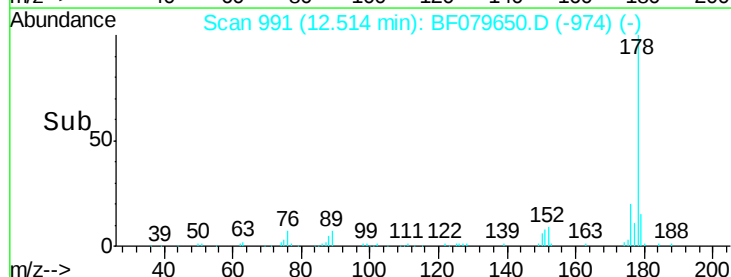
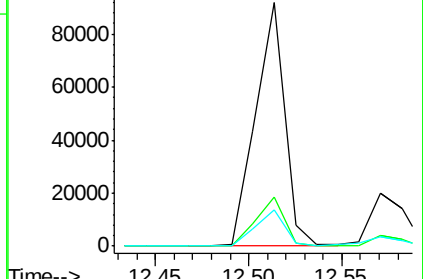
Tgt Ion:	178	Resp:	99064
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.7	23.5
179	14.8	12.4	18.6

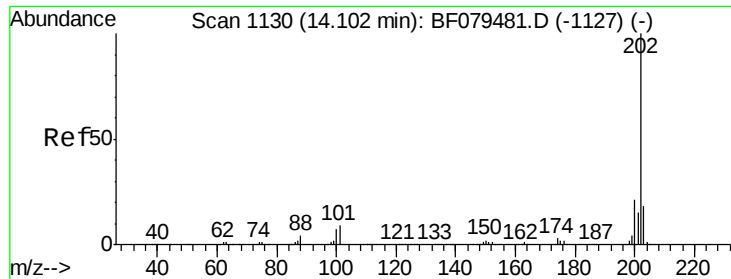


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.66 ng

RT: 13.98 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF079650.D

Acq: 31 May 2015 23:25

Instrument :

BNA_F

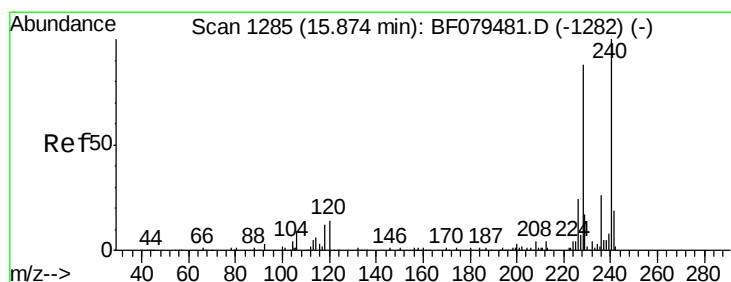
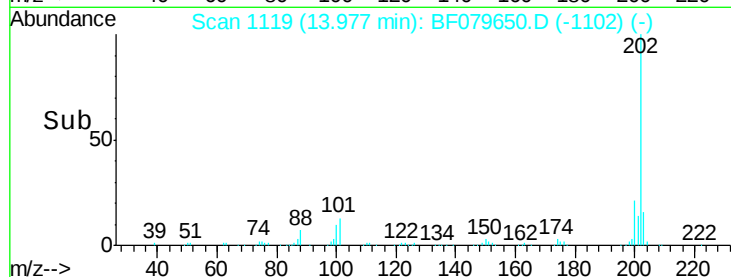
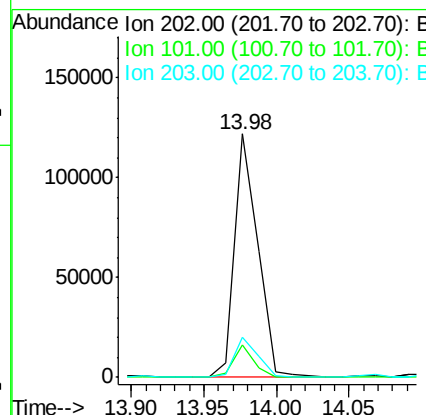
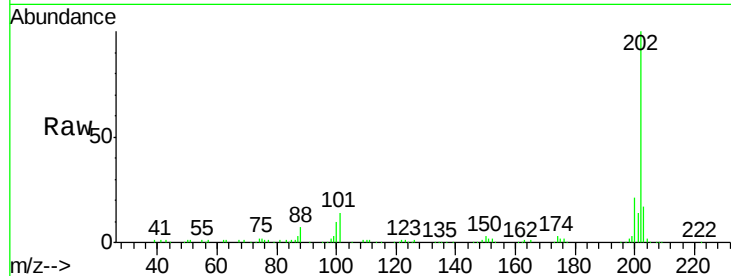
ClientSampleId :

HB-9A-DEL3(0-2)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		135545		
101	13.5	0.0	29.3		
203	16.7	0.0	37.6		

Manual Integrations
APPROVED

apatel
6/1/2015 8:43:53 PM



#75

Chrysene-d12

Concen: 20.00 ng

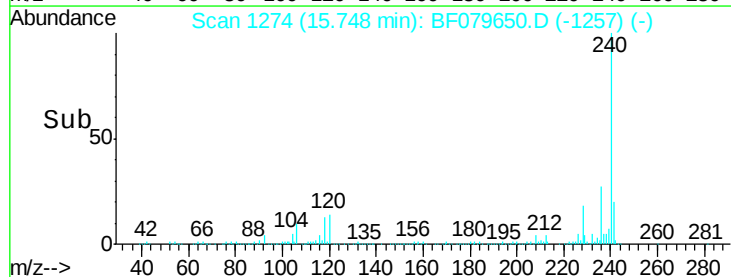
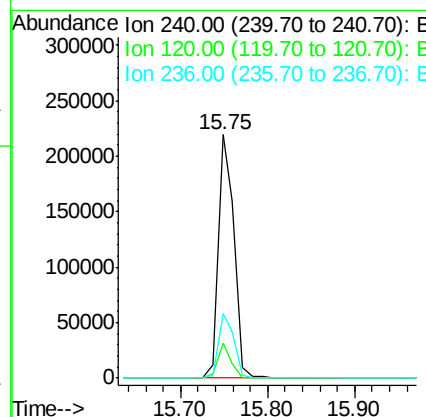
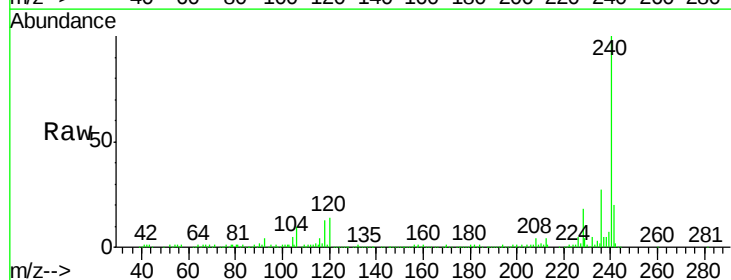
RT: 15.75 min Scan# 1274

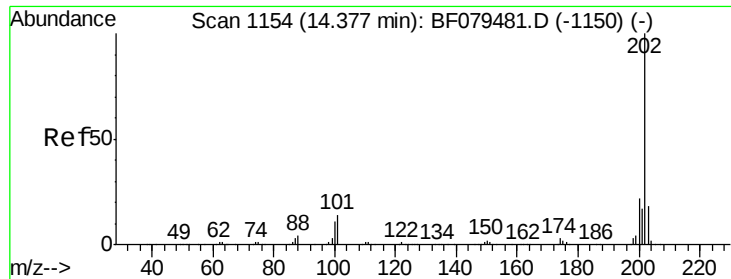
Delta R.T. -0.00 min

Lab File: BF079650.D

Acq: 31 May 2015 23:25

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		278248		
120	14.2	10.8	16.2		
236	26.5	21.0	31.6		





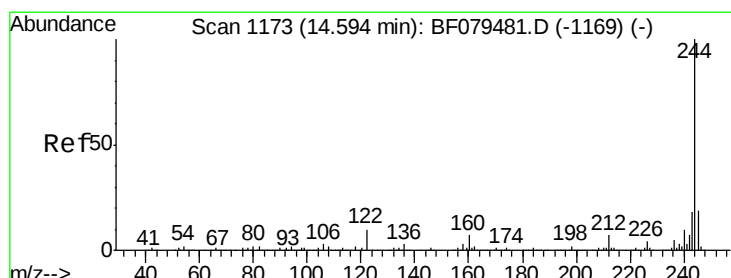
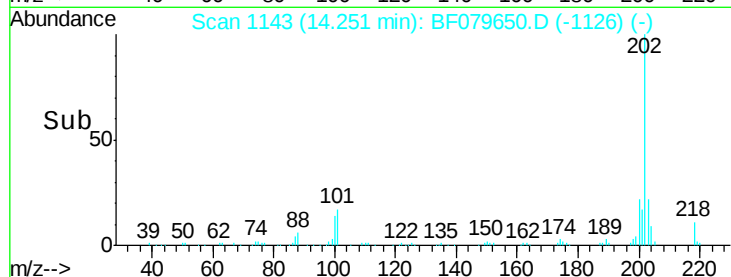
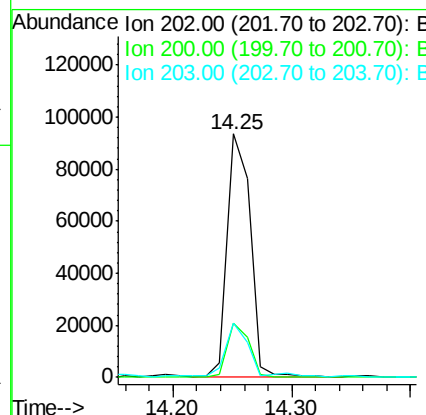
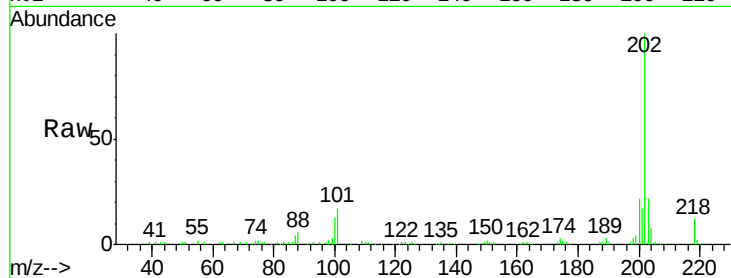
#77
 Pyrene
 Concen: 7.34 ng
 RT: 14.25 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: BF079650.D
 Acq: 31 May 2015 23:25

Instrument :
 BNA_F
 ClientSampleId :
 HB-9A-DEL3(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	22.2	17.5	26.3
203	22.4	14.4	21.6

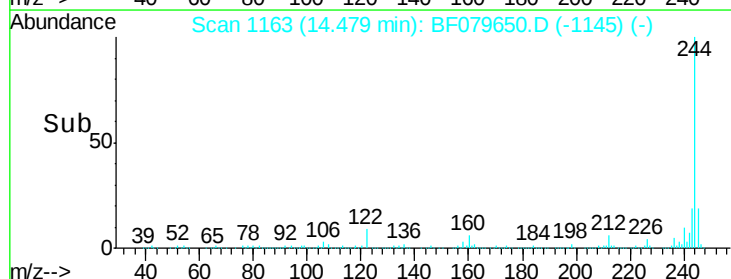
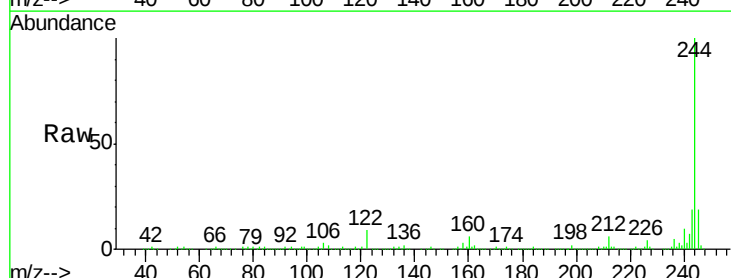
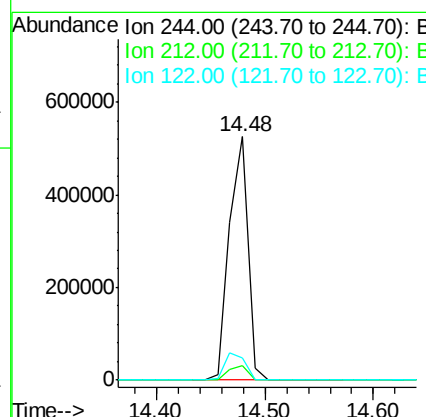
Manual Integrations
 APPROVED

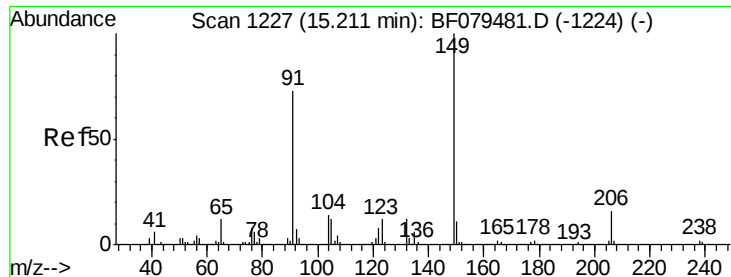
apatel
 6/1/2015 8:43:53 PM



#78
 Terphenyl-d14
 Concen: 52.45 ng
 RT: 14.48 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: BF079650.D
 Acq: 31 May 2015 23:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.2	5.2	7.8
122	8.9	8.0	12.0





#79

Butylbenzylphthalate

Concen: 5.20 ng

RT: 15.10 min Scan# 1217

Delta R.T. -0.00 min

Lab File: BF079650.D

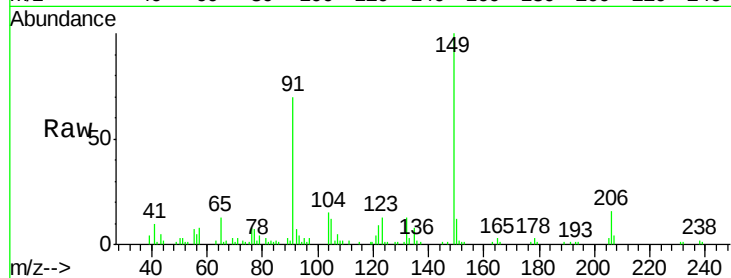
Acq: 31 May 2015 23:25

Instrument :

BNA_F

ClientSampleId :

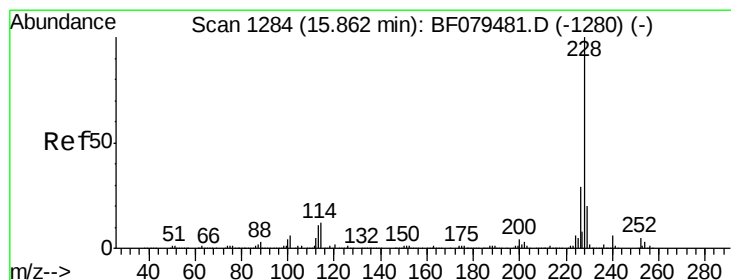
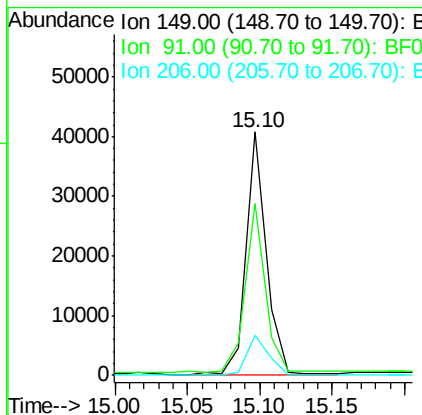
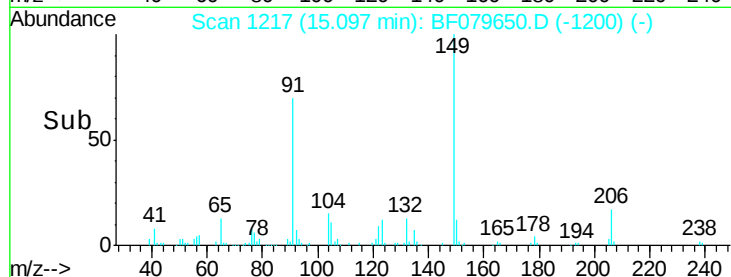
HB-9A-DEL3(0-2)



Tgt Ion:	149	Resp:	40281
Ion Ratio	Lower	Upper	
149	100		
91	70.4	58.1	87.1
206	16.5	13.1	19.7

Manual Integrations
APPROVED

apatel
6/1/2015 8:43:53 PM



#80

Benzo(a)anthracene

Concen: 4.37 ng

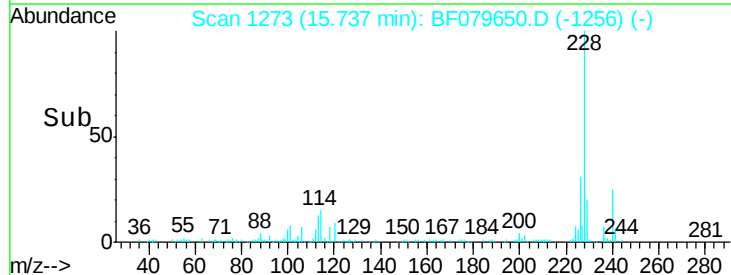
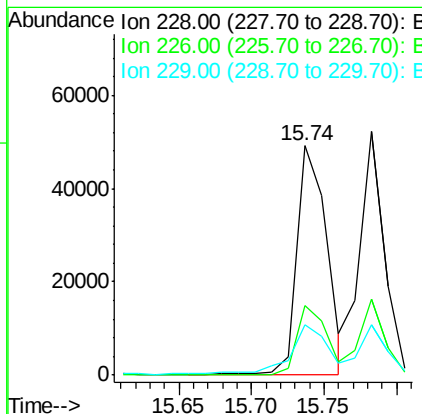
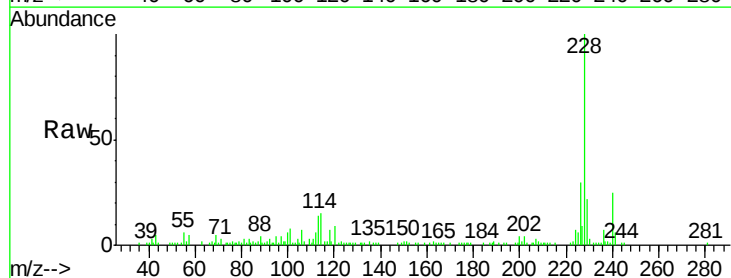
RT: 15.74 min Scan# 1273

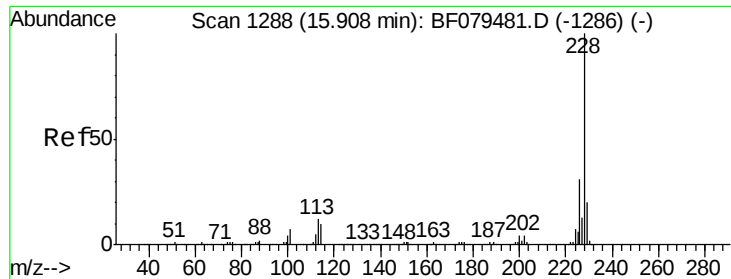
Delta R.T. -0.00 min

Lab File: BF079650.D

Acq: 31 May 2015 23:25

Tgt Ion:	228	Resp:	69900
Ion Ratio	Lower	Upper	
228	100		
226	30.3	22.8	34.2
229	22.1	15.9	23.9





#82

Chrysene

Concen: 4.02 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.00 min

Lab File: BF079650.D

Acq: 31 May 2015 23:25

Instrument :

BNA_F

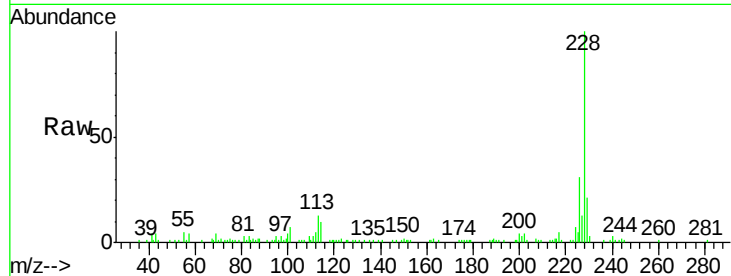
ClientSampleId :

HB-9A-DEL3(0-2)

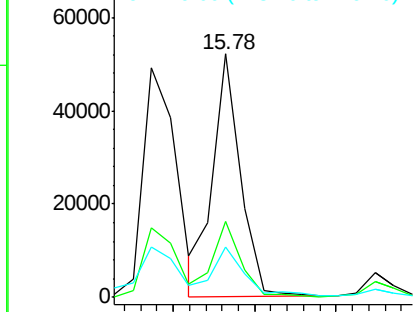
Tgt Ion:	228	Resp:	61196
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.4
229	20.5	15.9	23.9

Manual Integrations
APPROVED

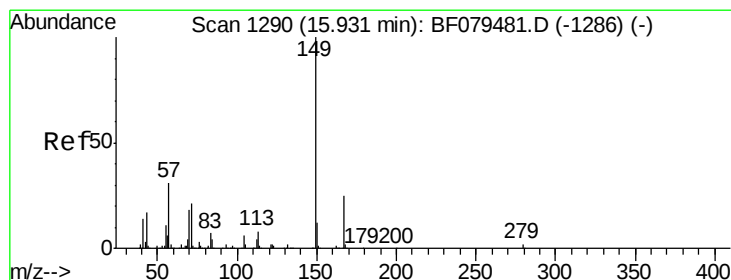
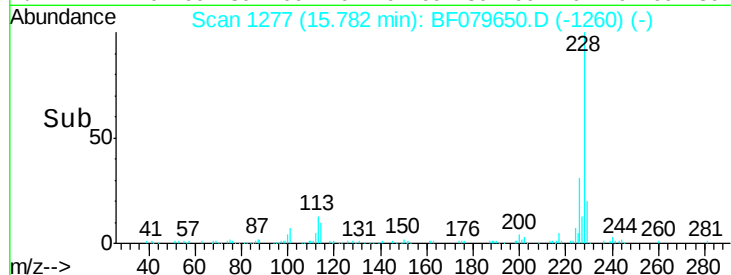
apatel
6/1/2015 8:43:53 PM



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



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 9.55 ng

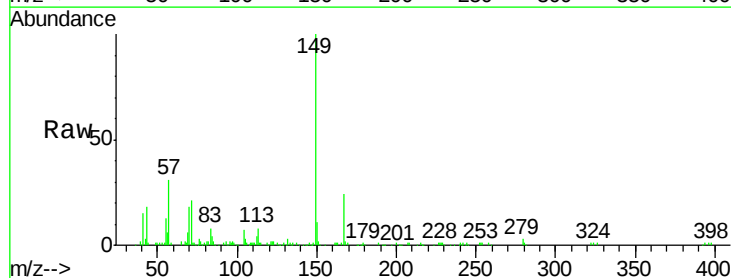
RT: 15.82 min Scan# 1280

Delta R.T. -0.00 min

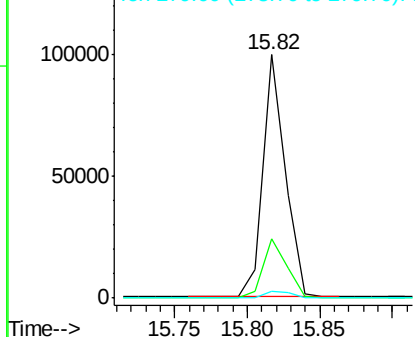
Lab File: BF079650.D

Acq: 31 May 2015 23:25

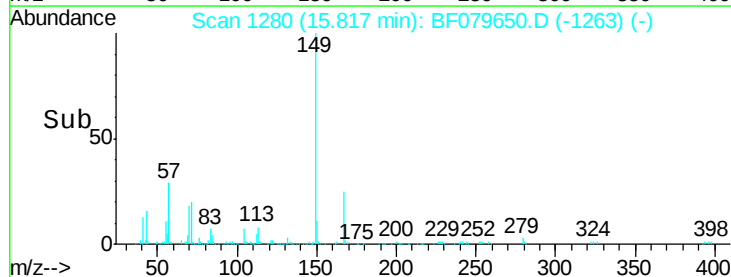
Tgt Ion:	149	Resp:	106063
Ion Ratio	Lower	Upper	
149	100		
167	24.4	20.2	30.4
279	2.8	2.0	3.0

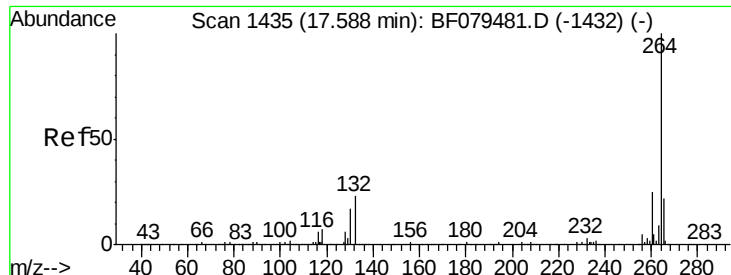


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.45 min Scan# 1423

Delta R.T. 0.01 min

Lab File: BF079650.D

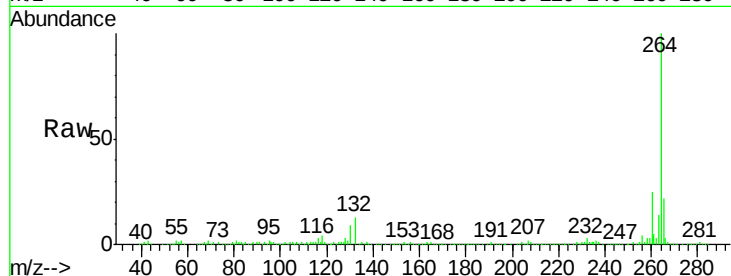
Acq: 31 May 2015 23:25

Instrument :

BNA_F

ClientSampleId :

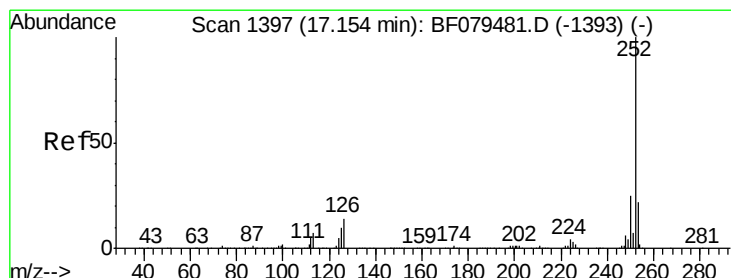
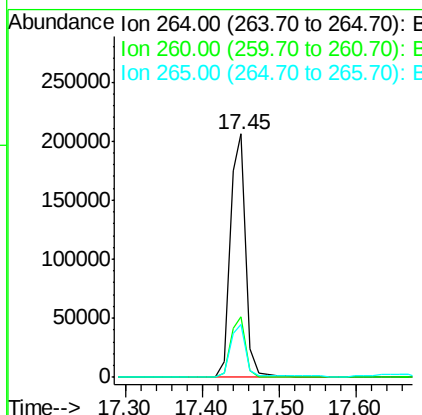
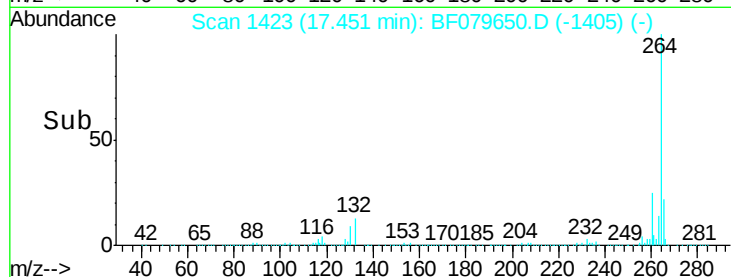
HB-9A-DEL3(0-2)



Tgt Ion	Ratio	Resp	Lower	Upper
264	100	295579		
260	24.7	19.8	29.8	
265	21.9	17.8	26.6	

Manual Integrations
APPROVED

apatel
6/1/2015 8:43:53 PM



#87

Benzo(b)fluoranthene

Concen: 4.39 ng m

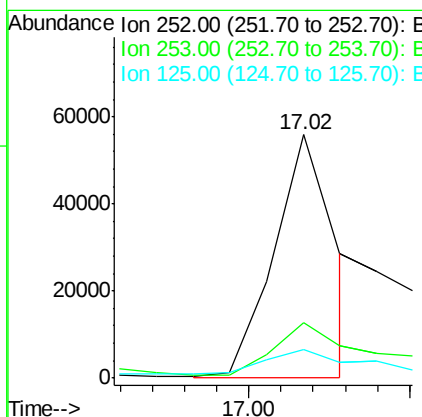
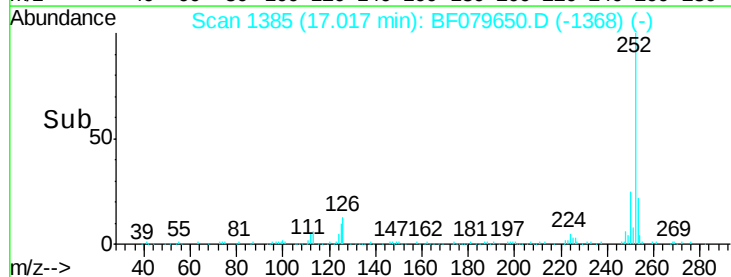
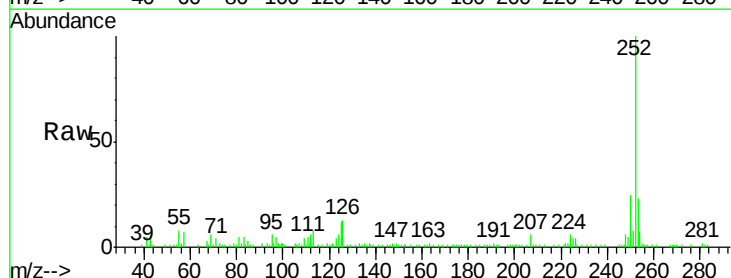
RT: 17.02 min Scan# 1385

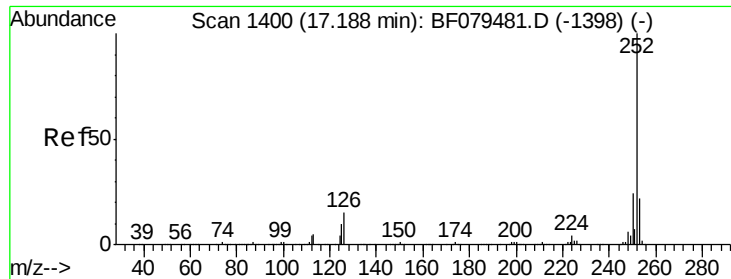
Delta R.T. -0.00 min

Lab File: BF079650.D

Acq: 31 May 2015 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	73976		
253	22.8	17.6	26.4	
125	11.8	7.8	11.6#	





#88

Benzo(k)fluoranthene

Concen: 2.23 ng m

RT: 17.03 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF079650.D

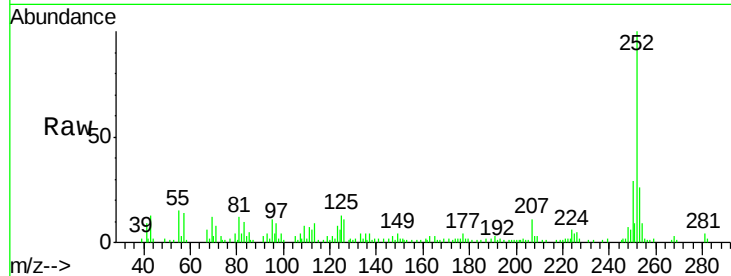
Acq: 31 May 2015 23:25

Instrument :

BNA_F

ClientSampleId :

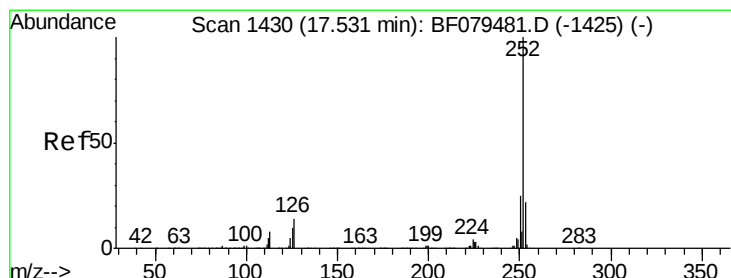
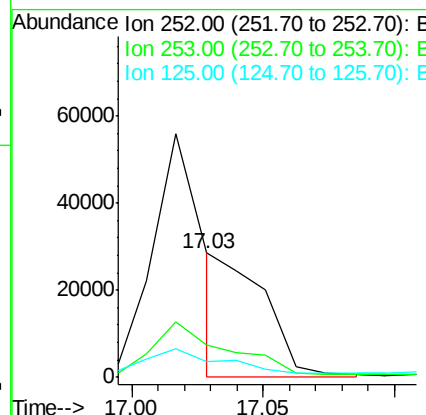
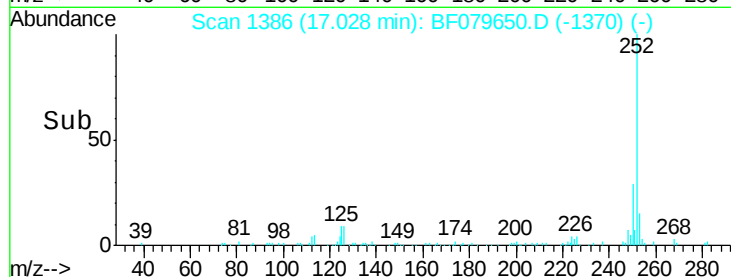
HB-9A-DEL3(0-2)



Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.2	25.8#
125	12.7	6.8	10.2#

Manual Integrations
APPROVED

apatel
6/1/2015 8:43:53 PM



#89

Benzo(a)pyrene

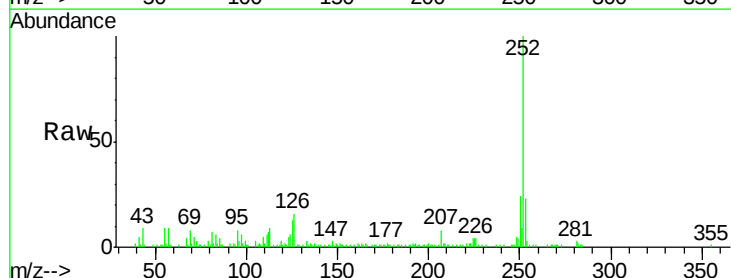
Concen: 2.08 ng

RT: 17.38 min Scan# 1417

Delta R.T. -0.00 min

Lab File: BF079650.D

Acq: 31 May 2015 23:25



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	13.0	7.9	11.9#

