

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
 Data File : BF079088.D
 Acq On : 9 May 2015 19:00
 Operator : TP/IZ
 Sample : G2084-02
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2

Manual Integrations
 APPROVED

apatel
 5/12/2015 3:45:14 PM

Quant Time: May 11 02:20:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 01:50:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.31	152	82400	20.00	ng	-0.01
21) Naphthalene-d8	8.89	136	345532	20.00	ng	0.00
38) Acenaphthene-d10	11.07	164	172355	20.00	ng	0.00
63) Phenanthrene-d10	12.91	188	323723	20.00	ng	0.00
75) Chrysene-d12	16.22	240	302402	20.00	ng	0.01
86) Perylene-d12	17.99	264	309357	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	425665	88.92	ng	0.00
7) Phenol-d6	6.88	99	602912	95.29	ng	0.00
23) Nitrobenzene-d5	8.01	82	335969	55.88	ng	0.00
41) 2,4,6-Tribromophenol	12.06	330	128373	68.85	ng	0.00
44) 2-Fluorobiphenyl	10.24	172	464367	37.54	ng	0.00
78) Terphenyl-d14	14.91	244	470545	37.25	ng	0.00
Target Compounds						
32) Benzoic acid	8.55	122	8731	8.76	ng	Qvalue 97
49) Dimethylphthalate	10.74	163	40251	3.18	ng	99
70) Phenanthrene	12.95	178	54364	3.00	ng	99
74) Fluoranthene	14.42	202	133421	7.07	ng	96
77) Pyrene	14.71	202	125180	7.18	ng	97
80) Benzo(a)anthracene	16.21	228	82844m	5.00	ng	
82) Chrysene	16.25	228	65713	4.13	ng	98
85) Indeno(1,2,3-cd)pyrene	19.47	276	60173	2.97	ng	# 100
87) Benzo(b)fluoranthene	17.53	252	118252m	6.98	ng	
88) Benzo(k)fluoranthene	17.57	252	35228m	2.15	ng	
89) Benzo(a)pyrene	17.92	252	73866	4.74	ng	# 96
91) Benzo(a,h,i)perylene	19.92	276	56796	3.42	ng	99

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

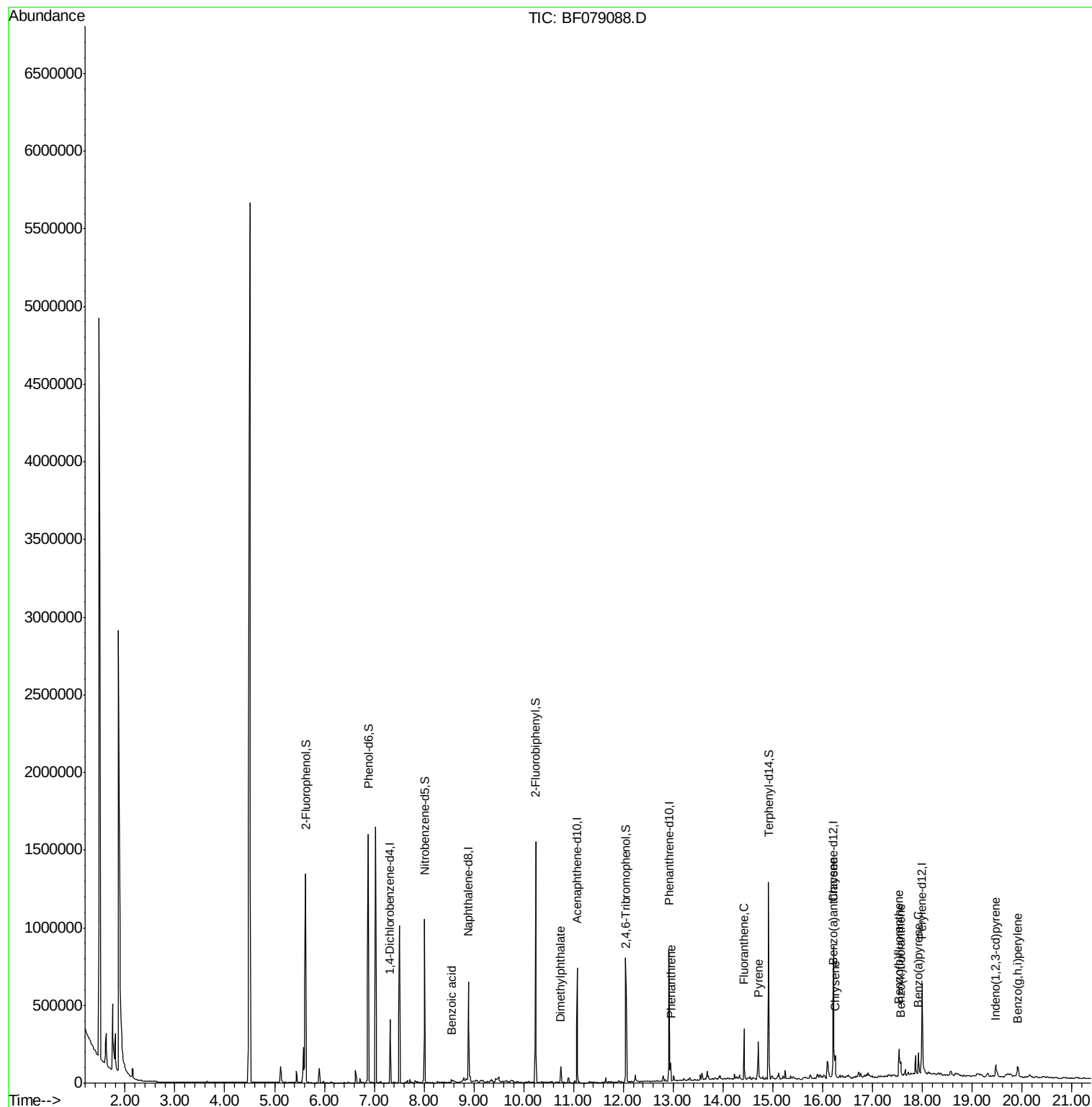
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079088.D
Acq On : 9 May 2015 19:00
Operator : TP/IZ
Sample : G2084-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

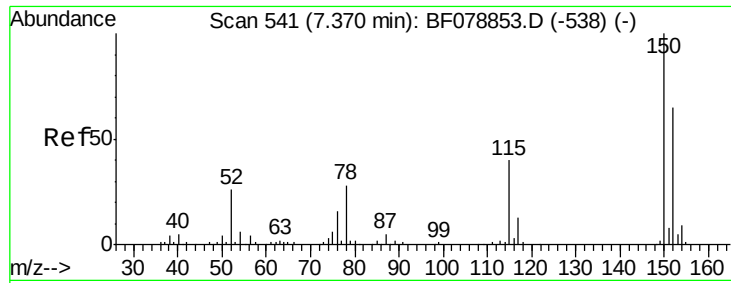
Instrument :
BNA_F
ClientSampleId :
2

Manual Integrations
APPROVED

apatel
5/12/2015 3:45:14 PM

Quant Time: May 11 02:20:06 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 11 01:50:36 2015
Response via : Initial Calibration





#1

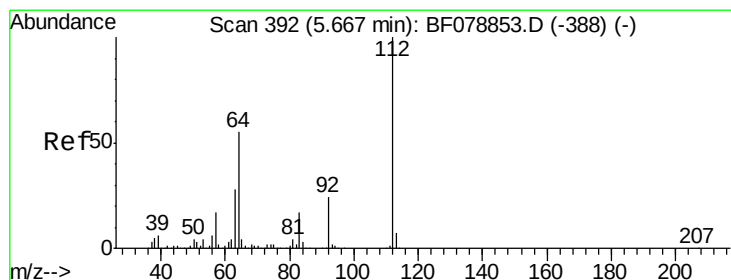
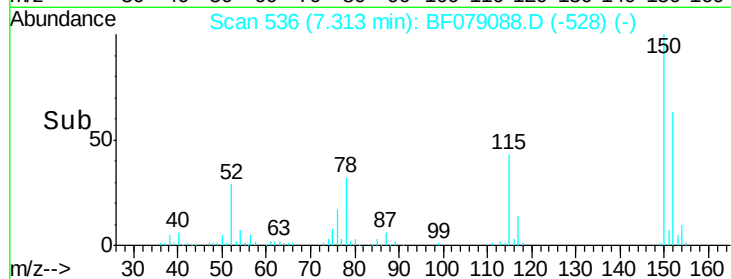
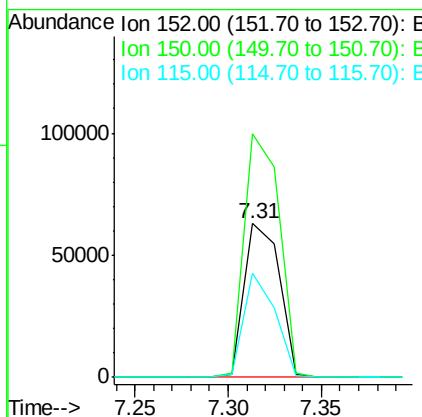
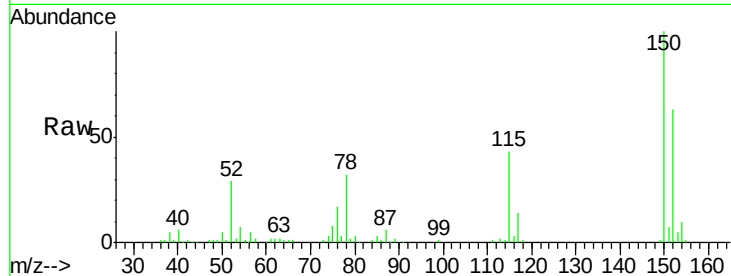
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.31 min Scan# 536
Delta R.T. -0.01 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.0	183.0
115	68.2	46.3	69.5

Manual Integrations
APPROVED

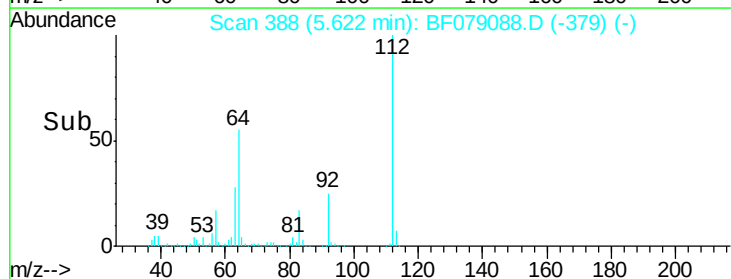
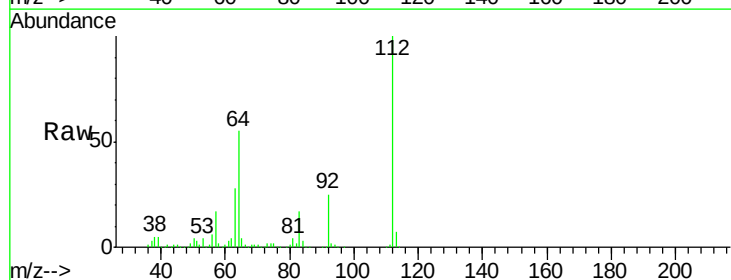
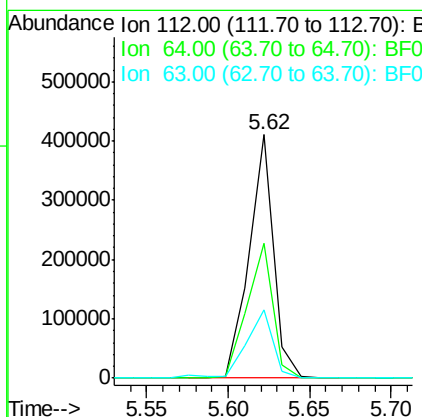
apatel
5/12/2015 3:45:14 PM

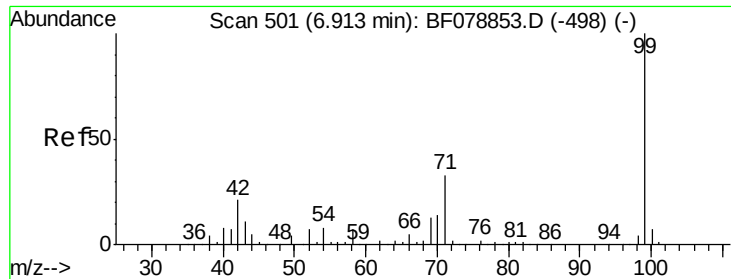


#5

2-Fluorophenol
Concen: 88.92 ng
RT: 5.62 min Scan# 388
Delta R.T. -0.00 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	53.5	80.3
63	27.9	27.5	41.3





#7

Phenol-d6

Concen: 95.29 ng

RT: 6.88 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF079088.D

Acq: 9 May 2015 19:00

Instrument :

BNA_F

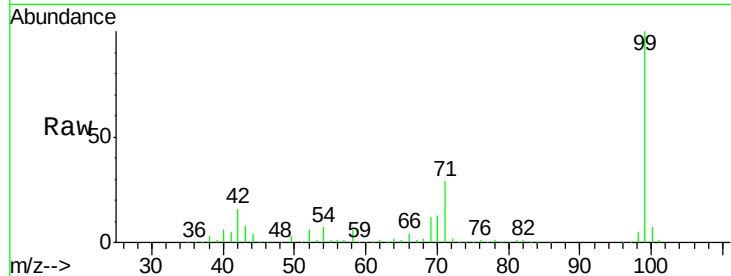
ClientSampleId :

2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		602912		
42	15.8	12.8	19.2		
71	29.0	23.4	35.2		

Manual Integrations
APPROVED

apatel
5/12/2015 3:45:14 PM



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)

6.88

800000

600000

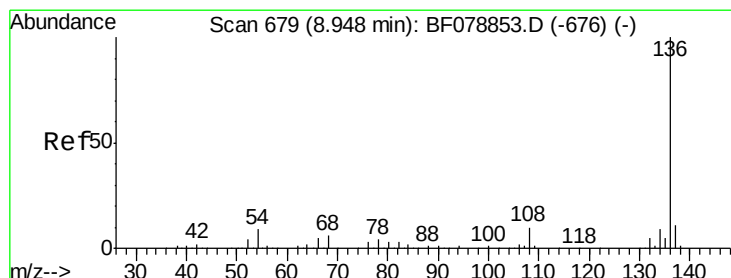
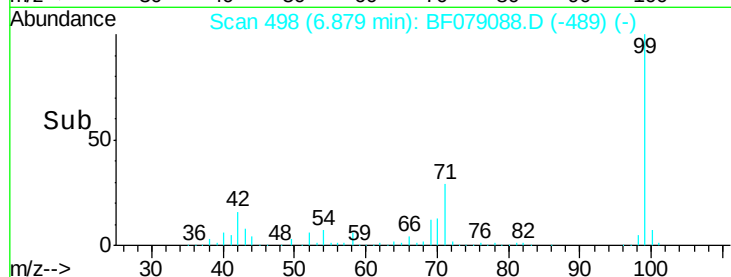
400000

200000

0

6.80 6.85 6.90 6.95

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

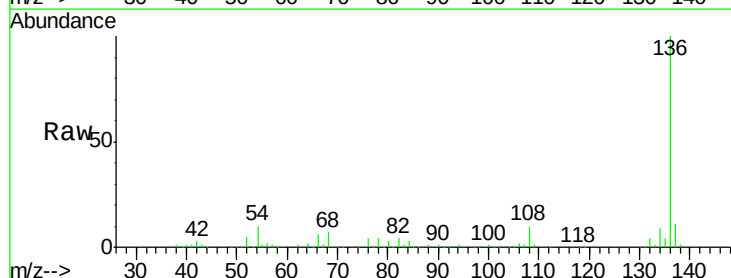
RT: 8.89 min Scan# 674

Delta R.T. -0.00 min

Lab File: BF079088.D

Acq: 9 May 2015 19:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		345532		
137	11.4	8.7	13.1		
54	9.6	5.8	8.8#		
68	7.0	4.2	6.4#		



Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

8.89

400000

300000

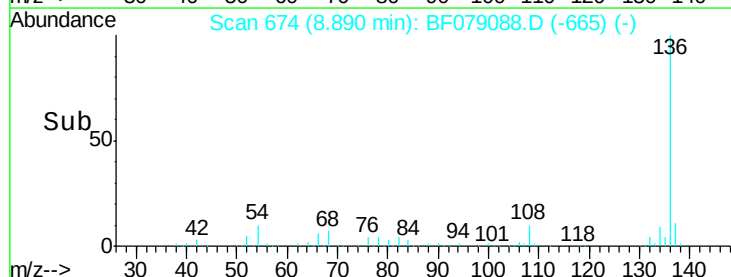
200000

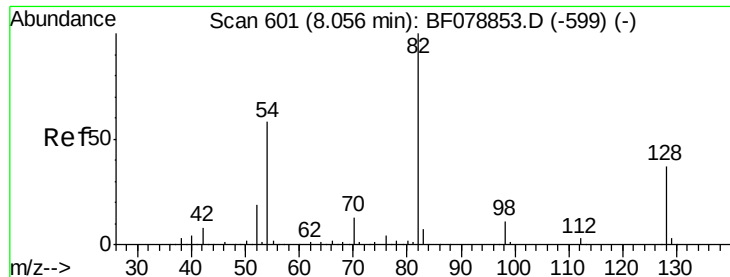
100000

0

8.85 8.90 8.95

Time-->





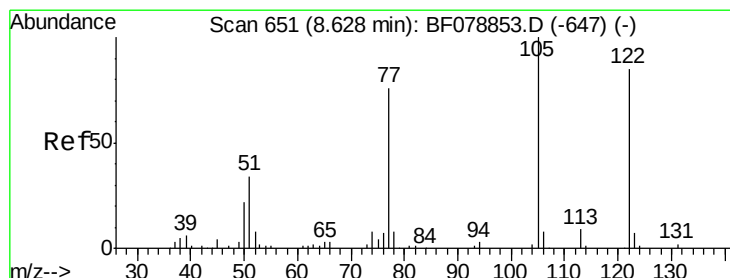
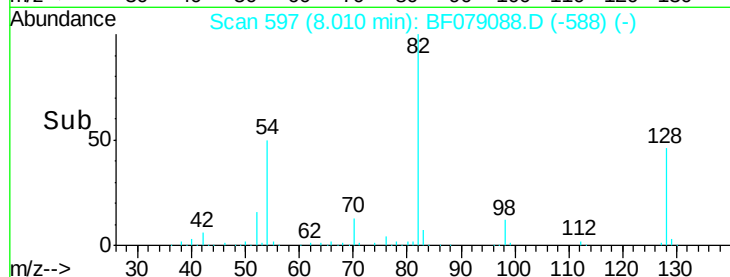
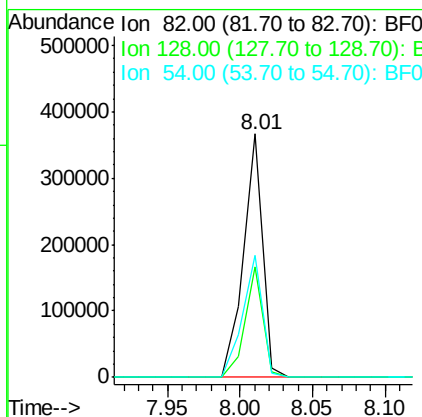
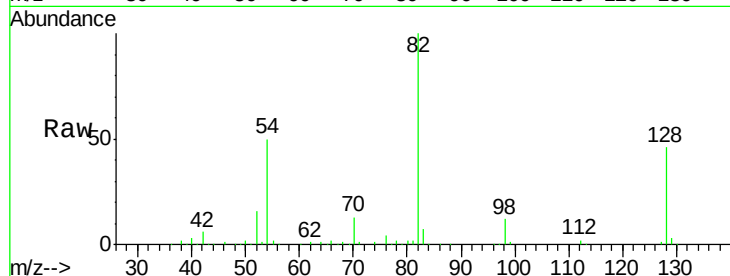
#23
Nitrobenzene-d5
Concen: 55.88 ng
RT: 8.01 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.6	30.0	45.0#	
54	50.2	46.4	69.6	

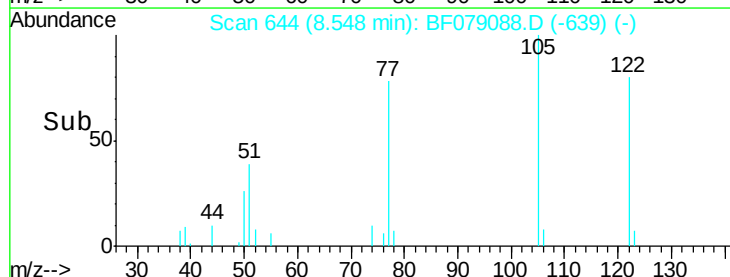
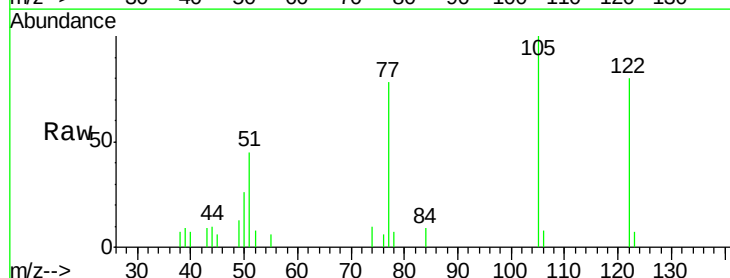
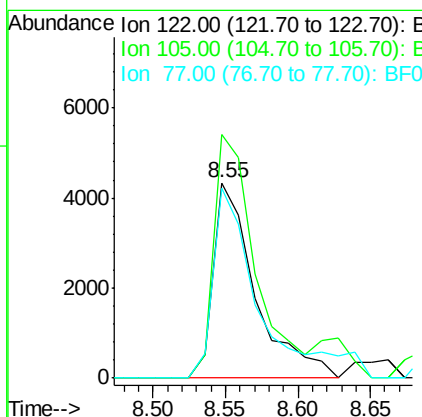
Manual Integrations
APPROVED

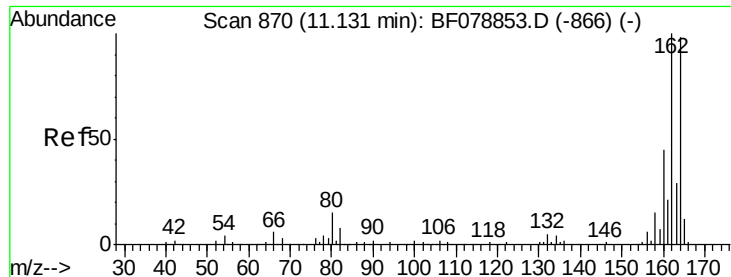
apatel
5/12/2015 3:45:14 PM



#32
Benzoic acid
Concen: 8.76 ng
RT: 8.55 min Scan# 644
Delta R.T. -0.05 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	124.6	107.1	147.1	
77	97.1	73.9	113.9	





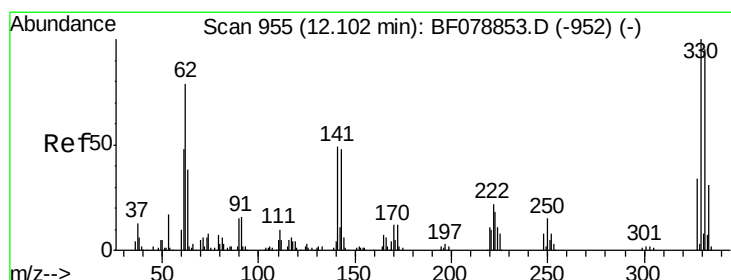
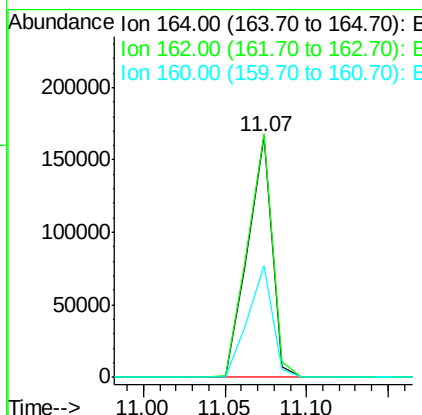
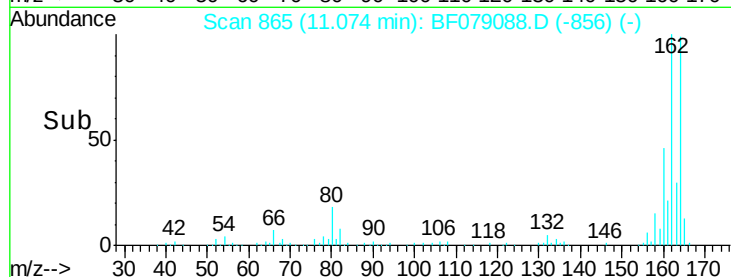
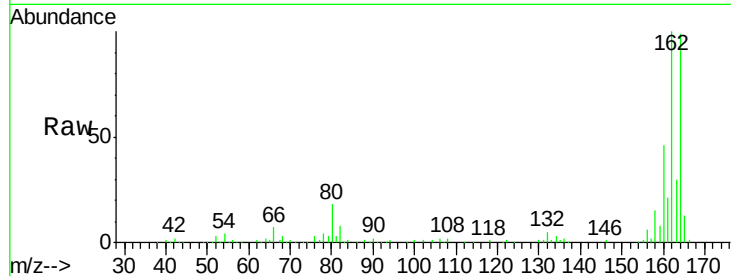
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 865
Delta R.T. -0.00 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.7	124.1
160	46.5	35.8	53.8

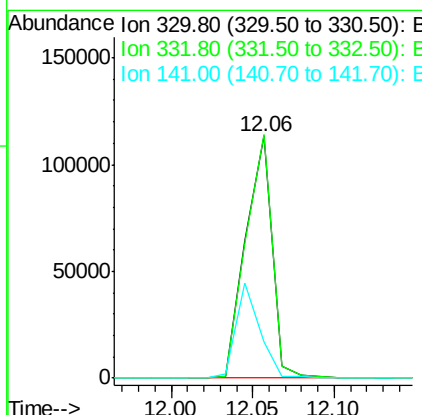
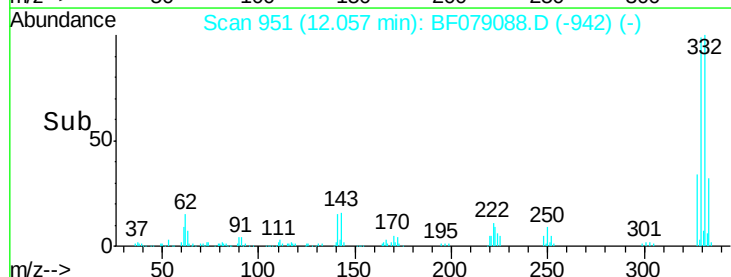
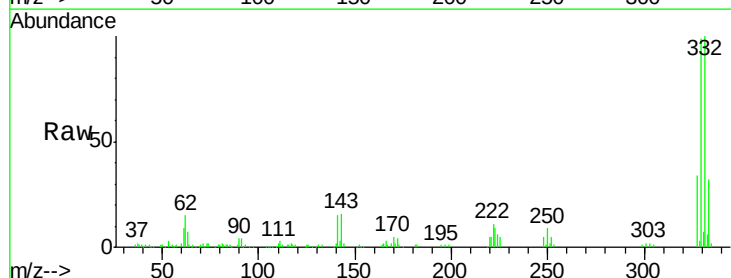
Manual Integrations
APPROVED

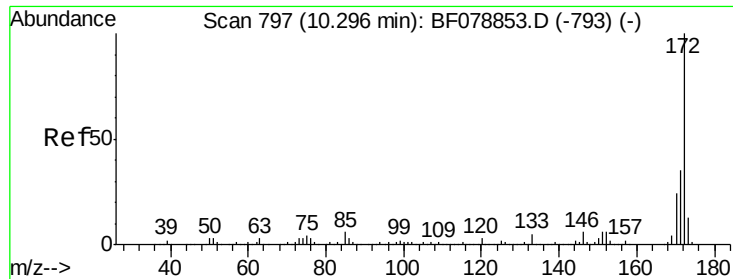
apatel
5/12/2015 3:45:14 PM



#41
2,4,6-Tribromophenol
Concen: 68.85 ng
RT: 12.06 min Scan# 951
Delta R.T. -0.00 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.4	0.0	0.0#
141	34.9	0.0	0.0#





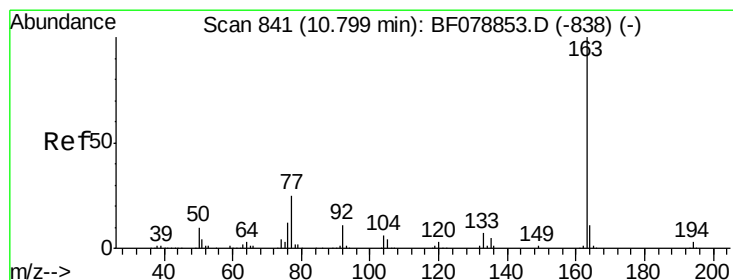
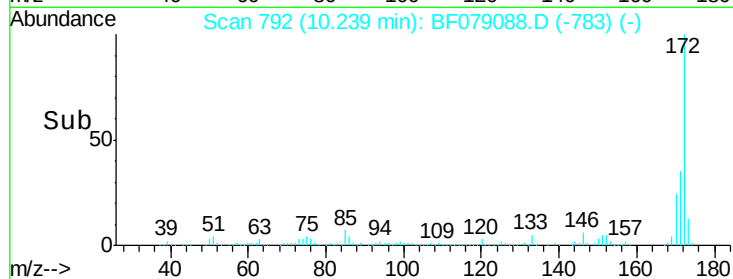
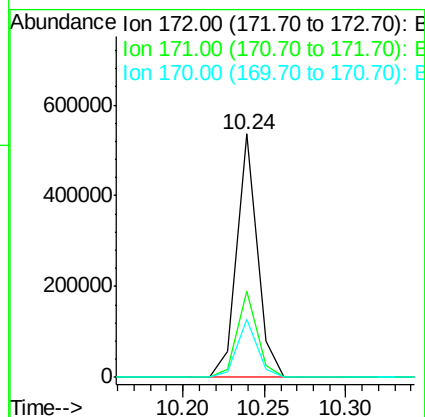
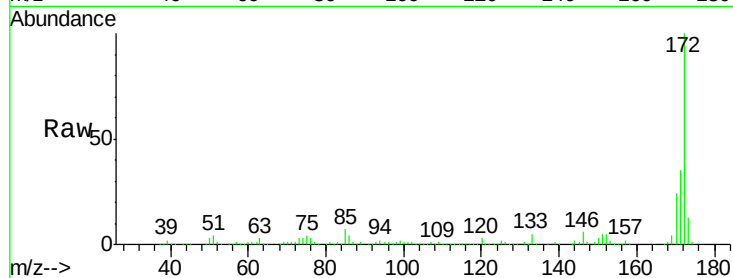
#44
2-Fluorobiphenyl
Concen: 37.54 ng
RT: 10.24 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Resp	Lower	Upper
172	100	464367		
171	35.1		27.9	41.9
170	23.8		19.4	29.0

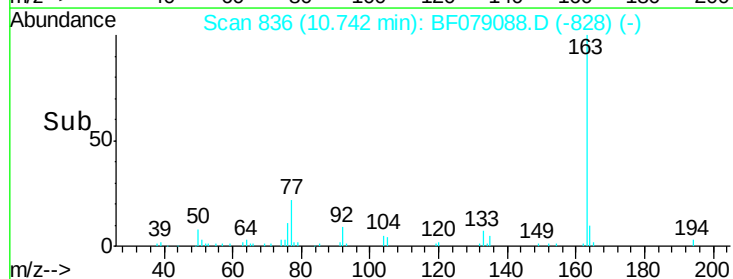
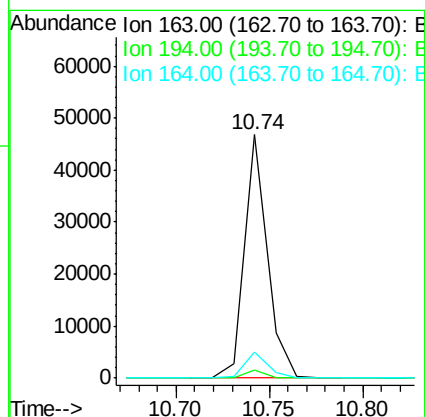
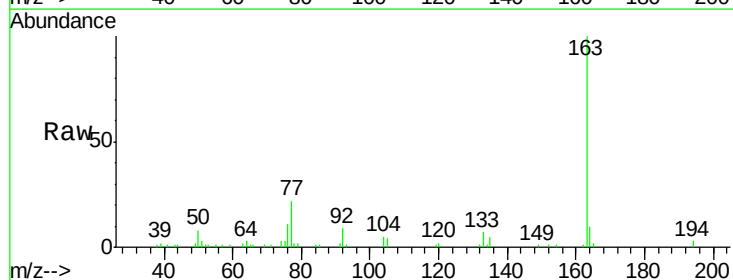
Manual Integrations
APPROVED

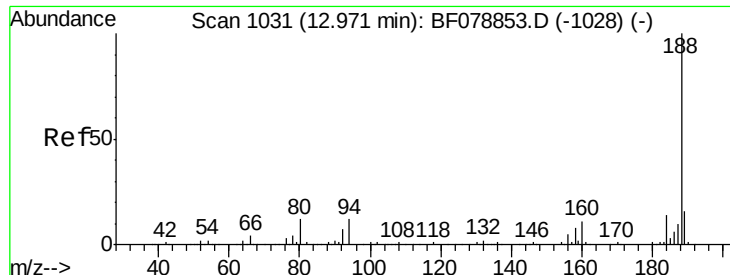
apatel
5/12/2015 3:45:14 PM



#49
Dimethylphthalate
Concen: 3.18 ng
RT: 10.74 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	40251		
194	3.1		2.6	4.0
164	10.4		8.1	12.1





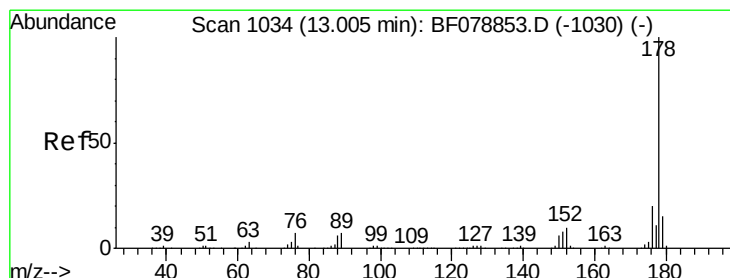
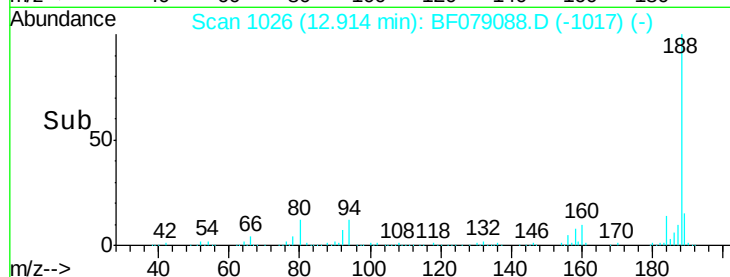
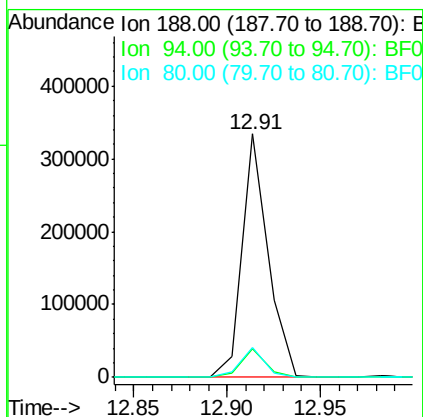
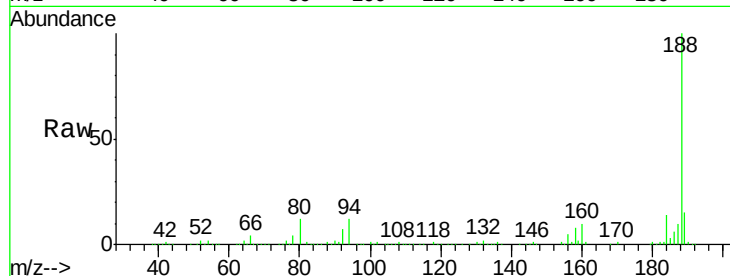
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.91 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	323723		
94	11.5		8.2	12.2
80	12.3		8.9	13.3

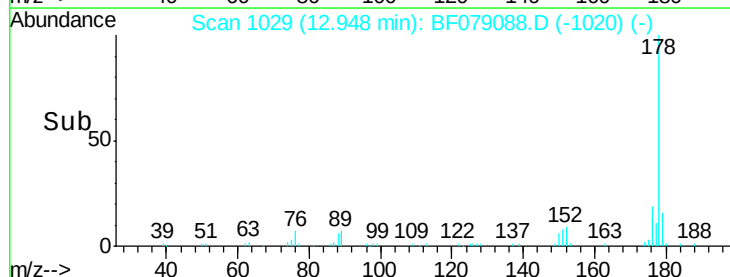
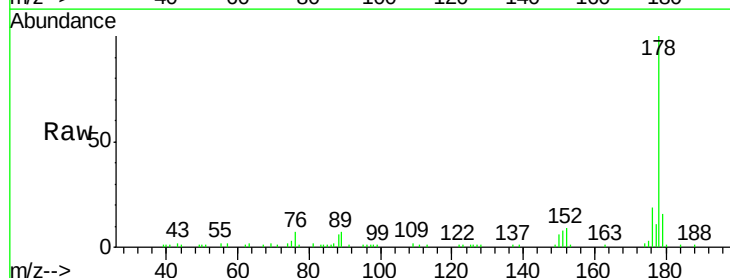
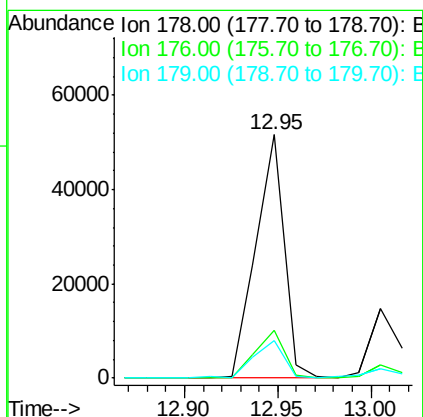
Manual Integrations
APPROVED

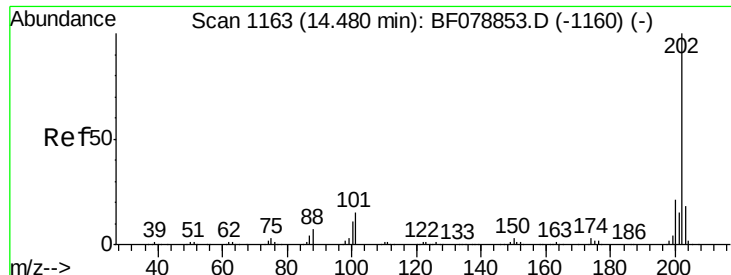
apatel
5/12/2015 3:45:14 PM



#70
Phenanthrene
Concen: 3.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	54364		
176	19.4		15.8	23.8
179	15.6		12.5	18.7





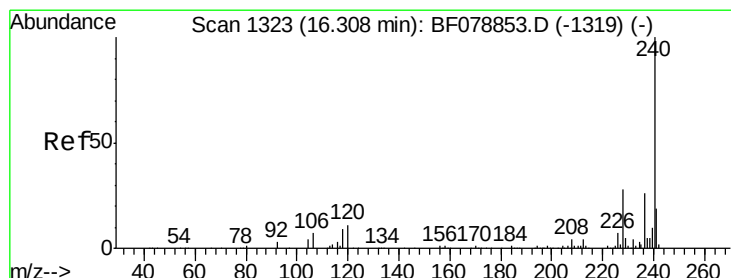
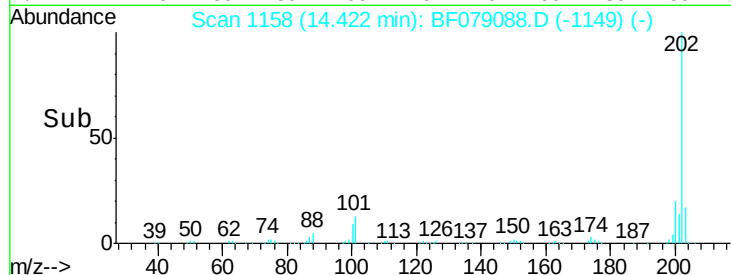
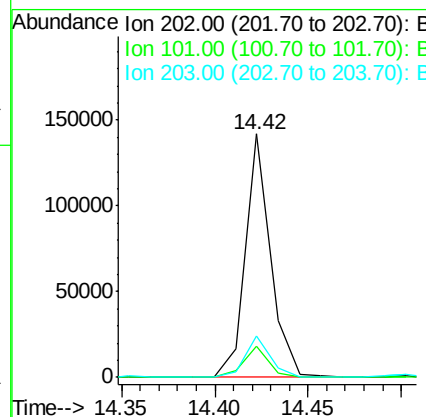
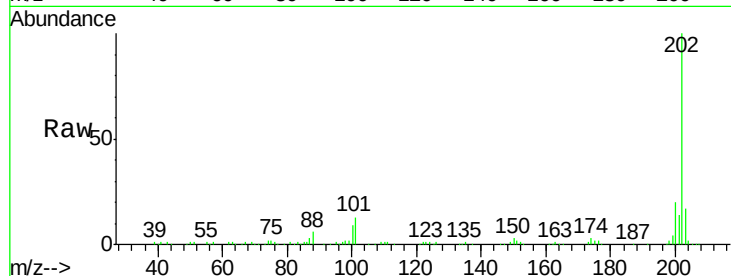
#74
Fluoranthene
Concen: 7.07 ng
RT: 14.42 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Instrument :
BNA_F
ClientSampleId :
2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.6	0.0	34.6
203	17.2	0.0	38.4

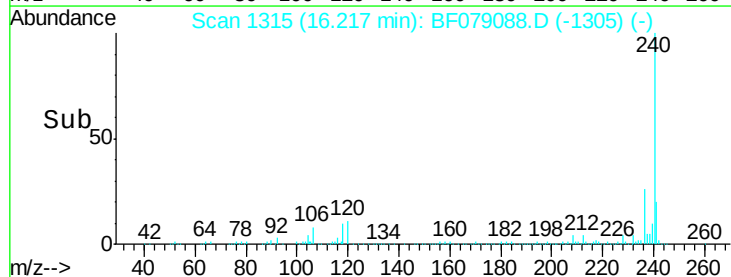
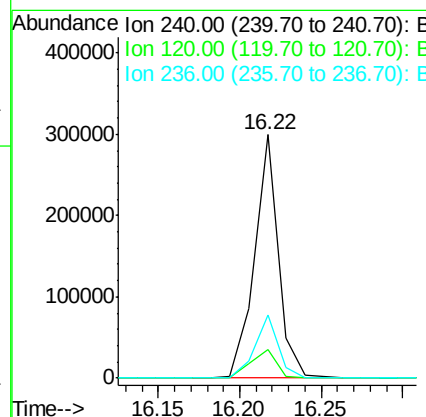
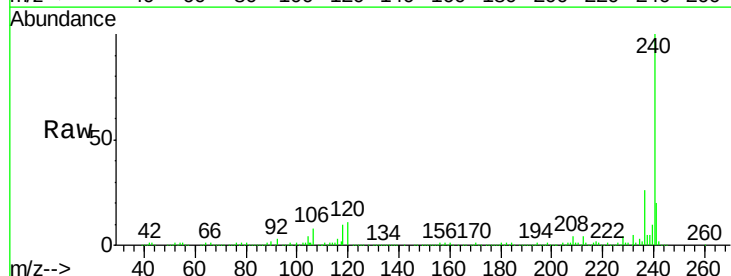
Manual Integrations
APPROVED

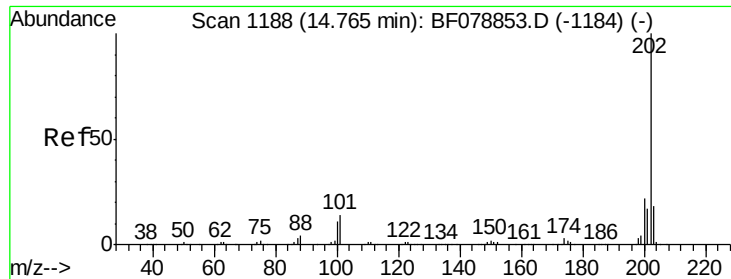
apatel
5/12/2015 3:45:14 PM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.22 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.5	9.7	14.5
236	26.1	20.2	30.4





#77

Pvrene

Concen: 7.18 ng

RT: 14.71 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BF079088.D

Acq: 9 May 2015 19:00

Instrument :

BNA_F

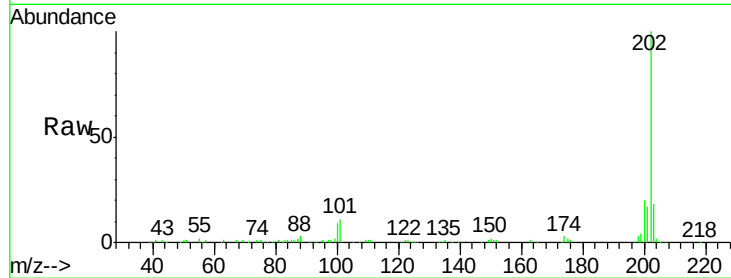
ClientSampleId :

2

Tot Ion:	202	Resp:	125180
Ion Ratio	Lower	Upper	
202	100		
200	19.6	17.5	26.3
203	17.5	13.9	20.9

Manual Integrations
APPROVED

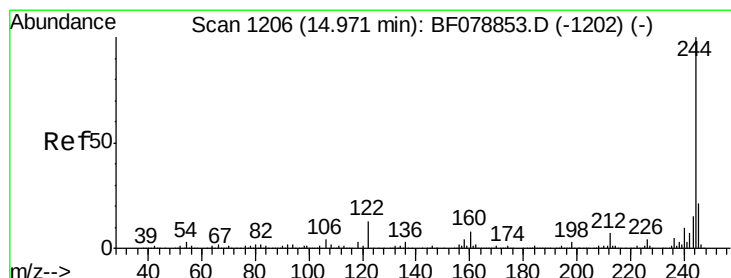
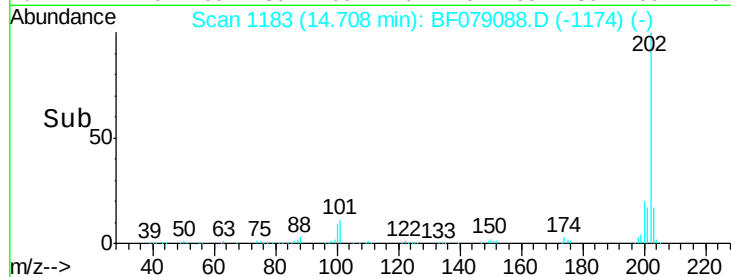
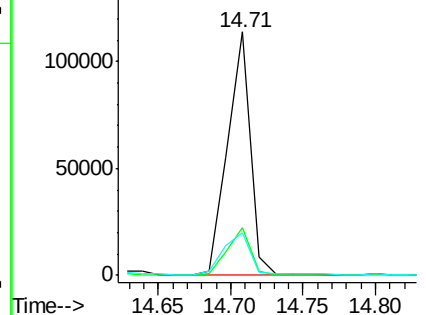
apatel
5/12/2015 3:45:14 PM



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: 37.25 ng

RT: 14.91 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BF079088.D

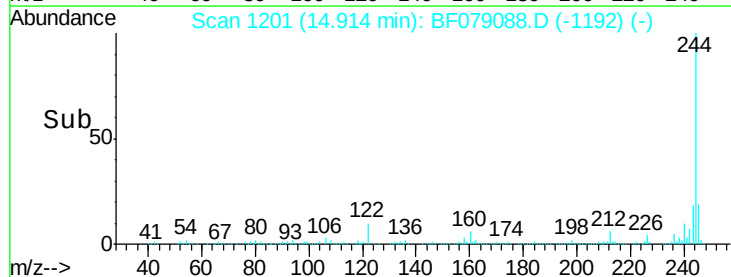
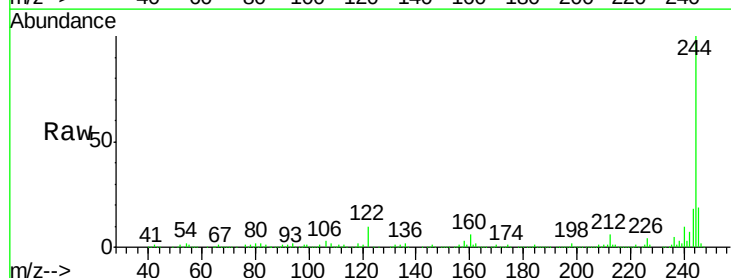
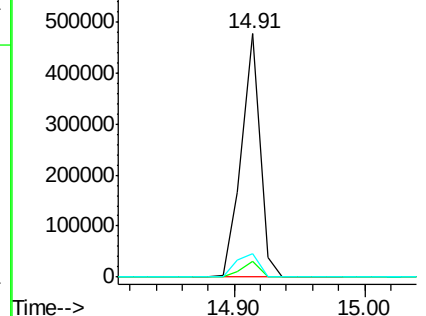
Acq: 9 May 2015 19:00

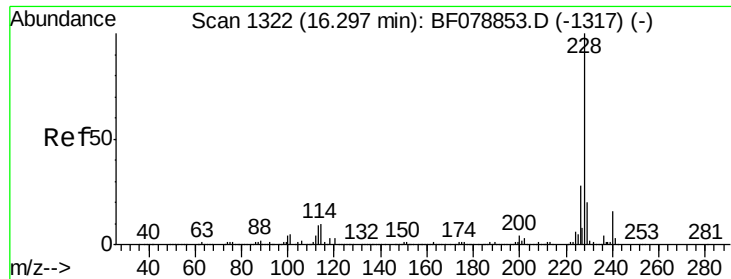
Tgt Ion:	244	Resp:	470545
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.6	8.4
122	9.7	10.3	15.5#

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





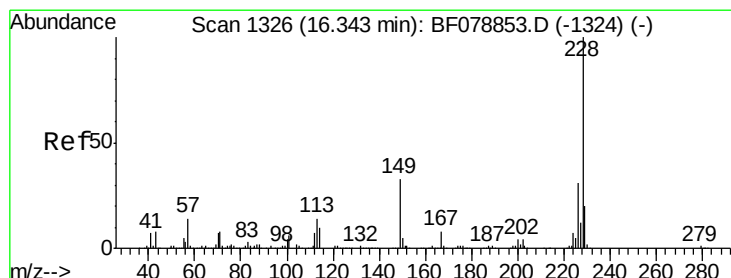
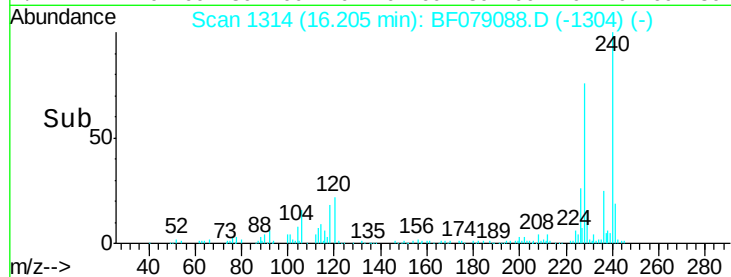
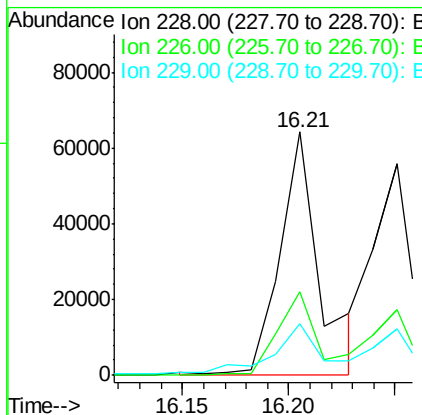
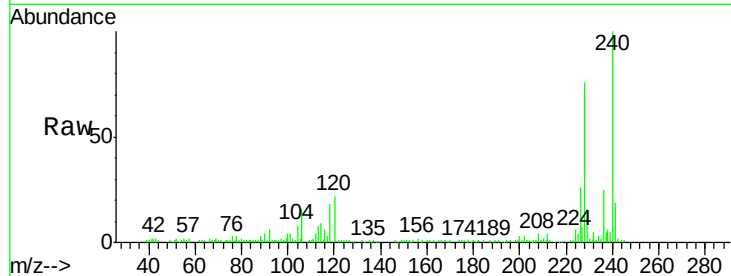
#80
Benzo(a)anthracene
Concen: 5.00 ng/mL
RT: 16.21 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.6	22.6	33.8
229	21.2	15.9	23.9

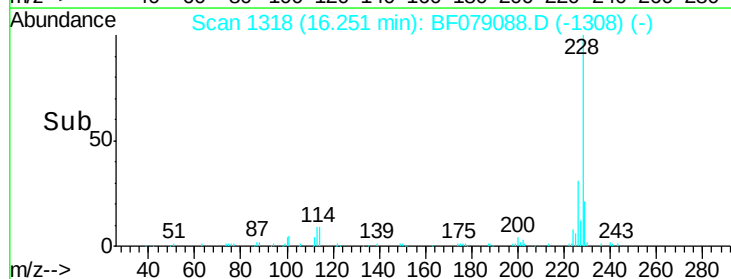
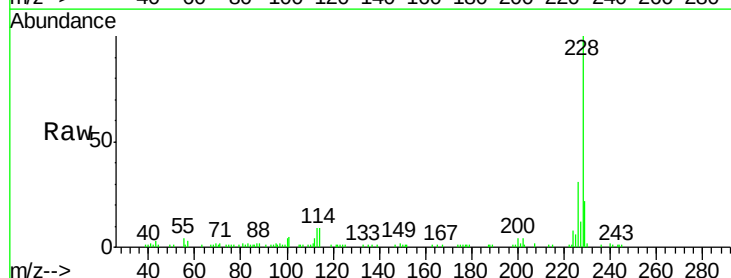
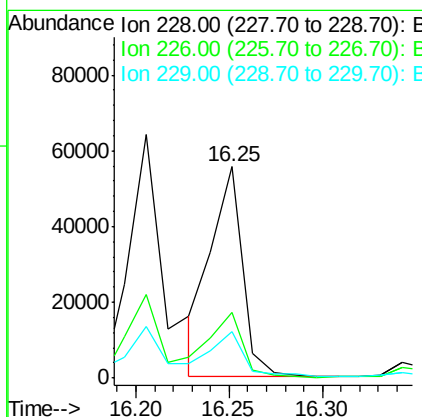
Manual Integrations
APPROVED

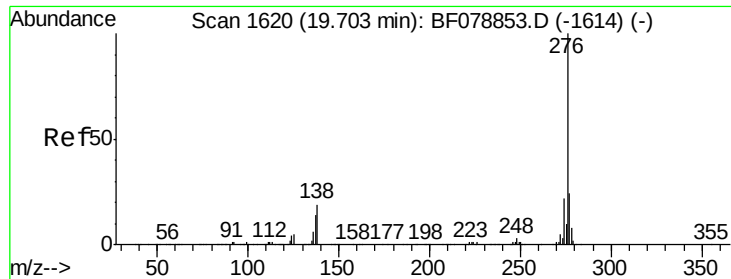
apatel
5/12/2015 3:45:14 PM



#82
Chrysene
Concen: 4.13 ng/mL
RT: 16.25 min Scan# 1318
Delta R.T. 0.01 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	22.1	16.0	24.0





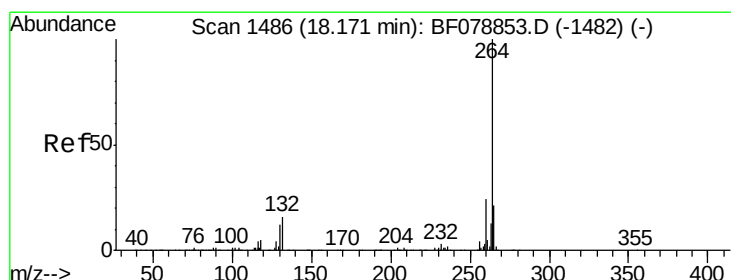
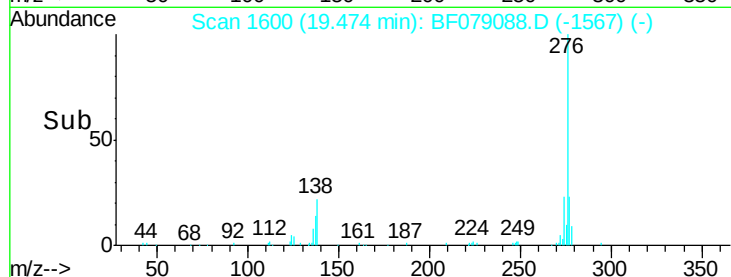
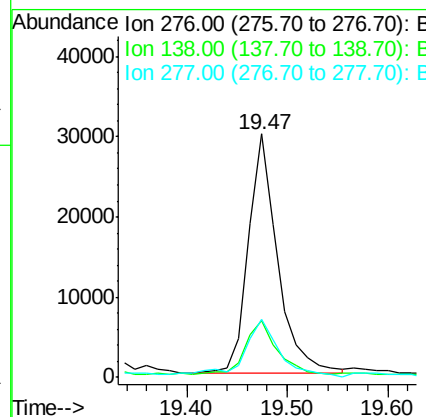
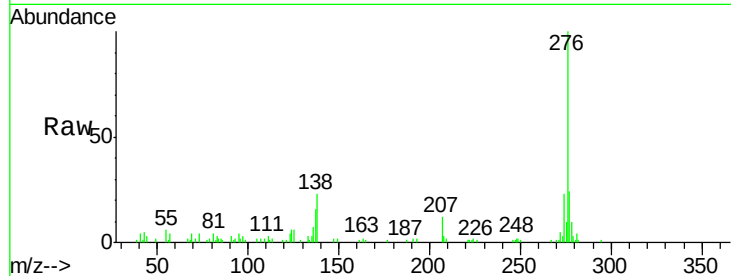
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.97 ng
 RT: 19.47 min Scan# 1600
 Delta R.T. 0.08 min
 Lab File: BF079088.D
 Acq: 9 May 2015 19:00

Instrument :
 BNA_F
 ClientSampled :
 2

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	24.5	0.0	0.0#
277	30.7	0.0	0.0#

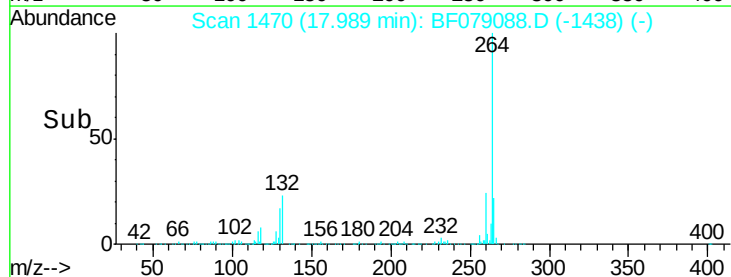
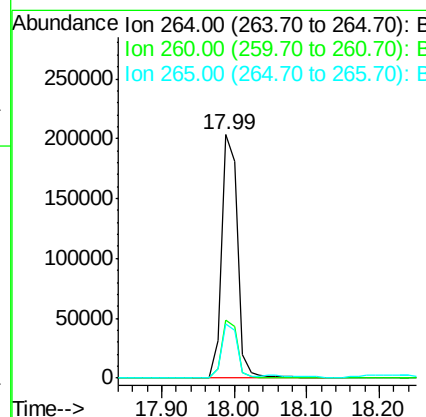
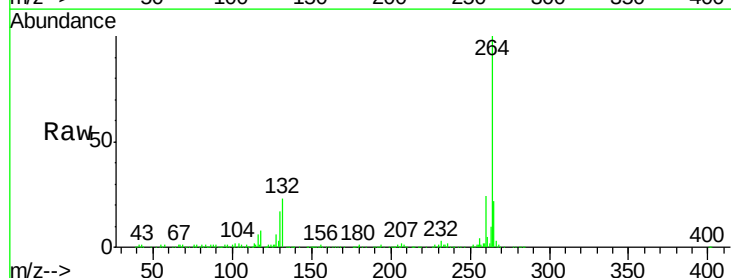
Manual Integrations
 APPROVED

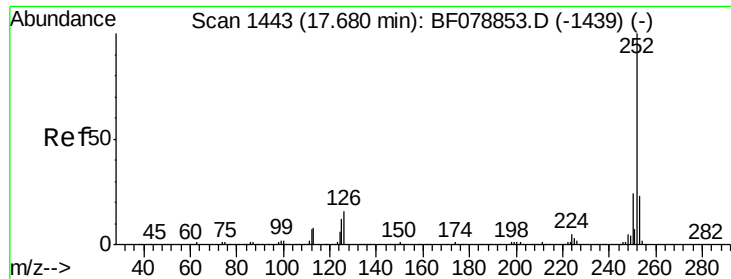
apatel
 5/12/2015 3:45:14 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.99 min Scan# 1470
 Delta R.T. 0.07 min
 Lab File: BF079088.D
 Acq: 9 May 2015 19:00

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.1	18.3	27.5





#87

Benzo(b)fluoranthene

Concen: 6.98 ng/mL

RT: 17.53 min Scan# 1430

Delta R.T. 0.06 min

Lab File: BF079088.D

Acq: 9 May 2015 19:00

Instrument :

BNA_F

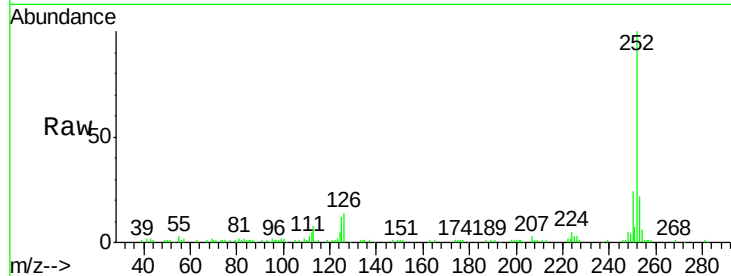
ClientSampleId :

2

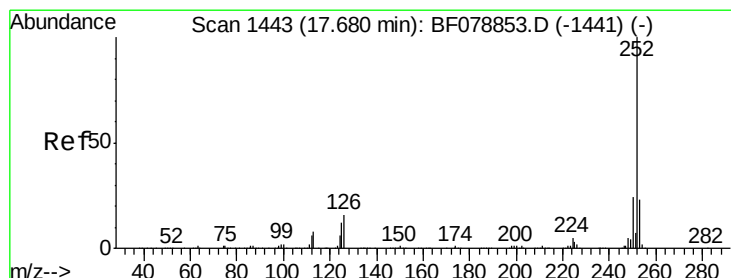
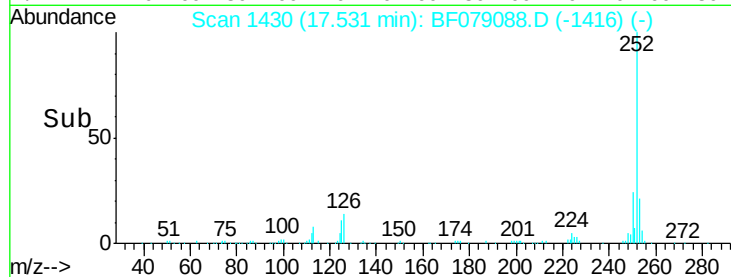
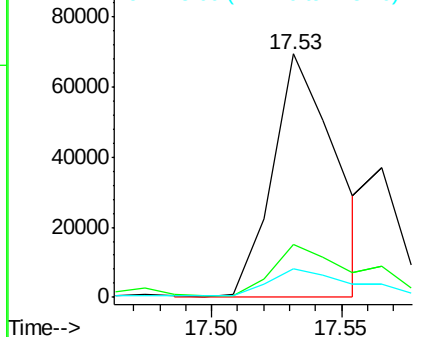
Tot Ion:	252	Resp:	118252
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.7	26.5
125	11.8	9.5	14.3

Manual Integrations
APPROVED

apatel
5/12/2015 3:45:14 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.15 ng/mL

RT: 17.57 min Scan# 1433

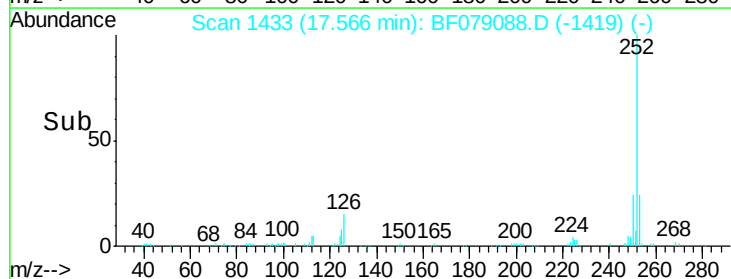
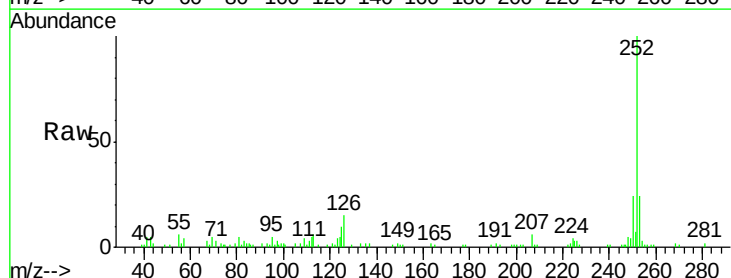
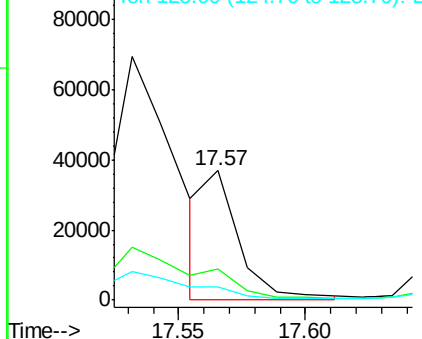
Delta R.T. 0.06 min

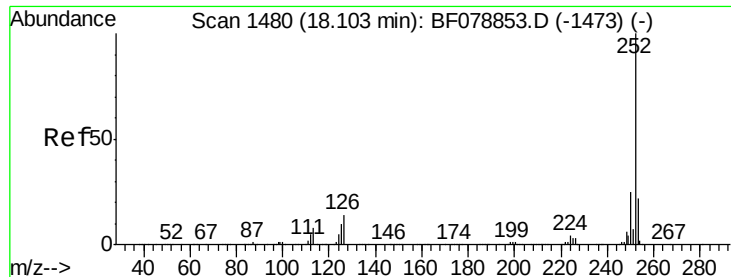
Lab File: BF079088.D

Acq: 9 May 2015 19:00

Tgt Ion:	252	Resp:	35228
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.1	27.1
125	9.8	10.0	15.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





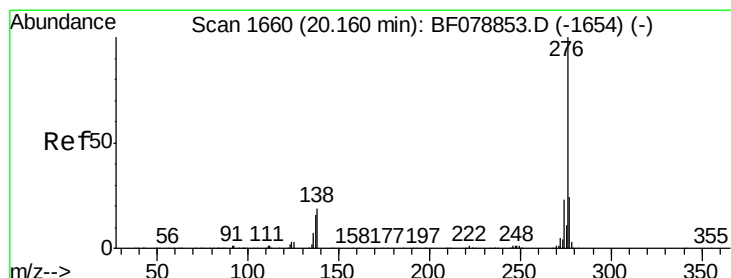
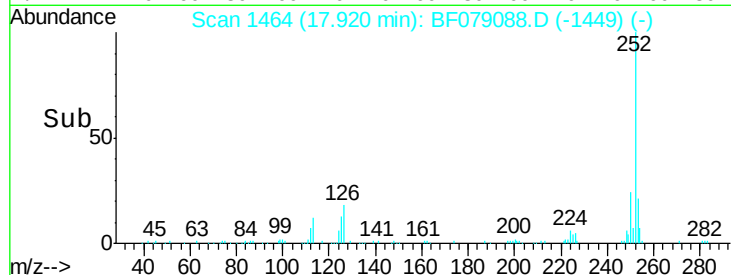
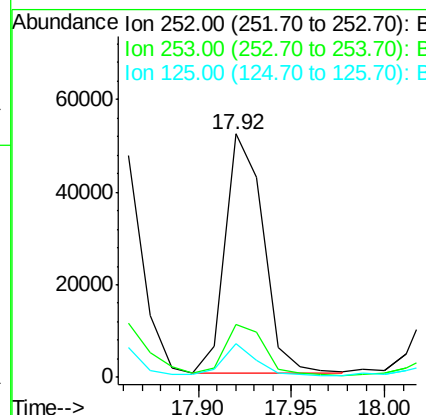
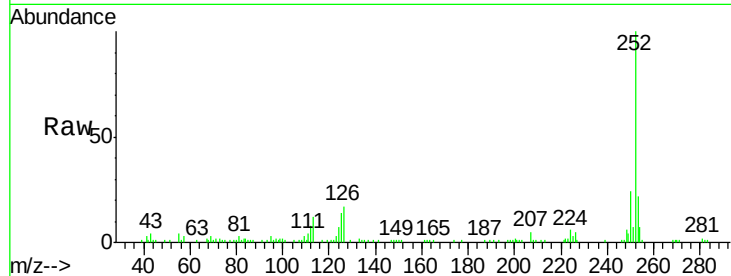
#89
Benzo(a)pyrene
Concen: 4.74 ng
RT: 17.92 min Scan# 1464
Delta R.T. 0.07 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Instrument :
BNA_F
ClientSampled :
2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	13.7	7.0	10.6

Manual Integrations
APPROVED

apatel
5/12/2015 3:45:14 PM



#91
Benzo(g,h,i)perylene
Concen: 3.42 ng
RT: 19.92 min Scan# 1639
Delta R.T. 0.08 min
Lab File: BF079088.D
Acq: 9 May 2015 19:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	21.6	17.4	26.0

