

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
 Data File : BF077259.D
 Acq On : 11 Feb 2015 18:08
 Operator : TP/IZ
 Sample : G1269-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-059-21015

Manual Integrations
 APPROVED

apatel
 2/12/2015 4:13:37 PM

Quant Time: Feb 12 10:43:34 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 10 13:30:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	69616	40.00	ng	-0.06
21) Naphthalene-d8	10.46	136	308849m	40.00	ng	-0.03
38) Acenaphthene-d10	14.57	164	147701	40.00	ng	-0.06
63) Phenanthrene-d10	17.47	188	261704	40.00	ng	-0.03
75) Chrysene-d12	20.98	240	230620	40.00	ng	-0.03
86) Perylene-d12	22.61	264	207716	40.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.56	112	97706	46.15	ng	-0.03
7) Phenol-d6	6.98	99	75641	28.32	ng	-0.03
23) Nitrobenzene-d5	8.85	82	213697	76.67	ng	-0.05
41) 2,4,6-Tribromophenol	16.34	330	74696	124.60	ng	-0.03
44) 2-Fluorobiphenyl	13.12	172	432475	89.12	ng	-0.05
78) Terphenyl-d14	19.72	244	398194	79.50	ng	-0.03
Target Compounds						
6) Aniline	6.84	93	15016	4.06	ng	# 83
12) 1,3-Dichlorobenzene	7.39	146	7414	2.67	ng	# 81
13) 1,4-Dichlorobenzene	7.58	146	40448	13.74	ng	99
14) 1,2-Dichlorobenzene	7.90	146	741469	273.29	ng	98
30) 1,2,4-Trichlorobenzene	10.37	180	308721	135.82	ng	97
31) Naphthalene	10.51	128	724471	91.12	ng	99
33) 4-Chloroaniline	10.73	127	200643m	62.46	ng	
37) 2-Methylnaphthalene	12.16	142	157797	29.06	ng	95
45) 1,1'-Biphenyl	13.31	154	16064	2.93	ng	93
51) Acenaphthene	14.65	154	37939	8.80	ng	95
54) Dibenzofuran	15.07	168	24871	3.96	ng	97
56) 2,4-Dinitrotoluene	15.23	165	19568	16.15	ng	# 96
57) Fluorene	15.85	166	42837	8.05	ng	98
71) Anthracene	17.59	178	16556	2.08	ng	# 93

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

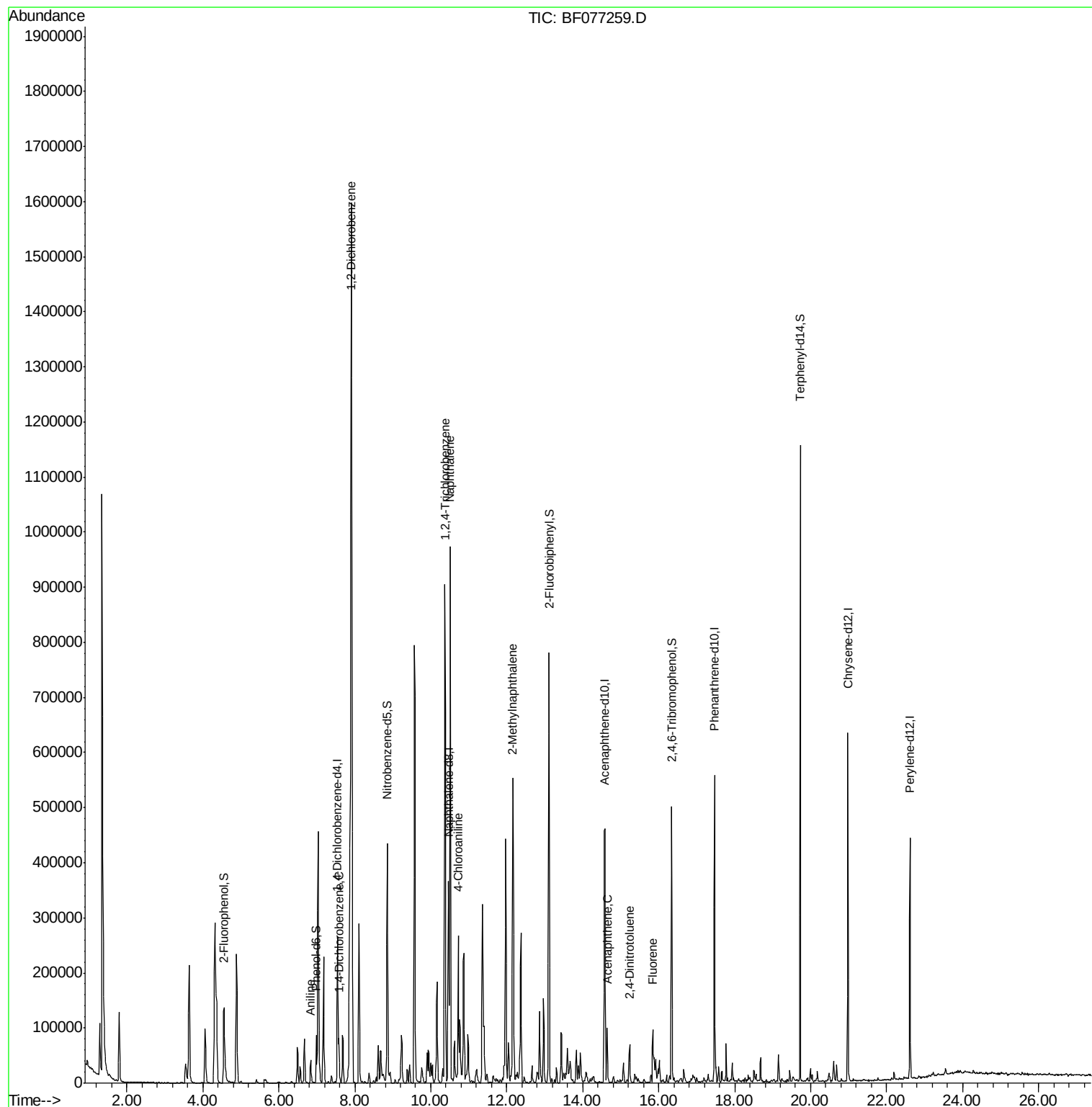
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077259.D
Acq On : 11 Feb 2015 18:08
Operator : TP/IZ
Sample : G1269-01
Misc :
ALS Vial : 11 Sample Multiplier: 2

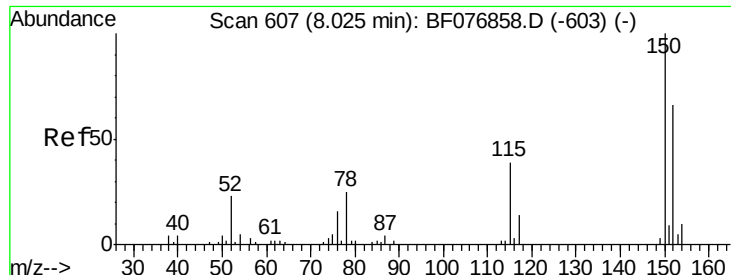
Instrument :
BNA_F
ClientSampleId :
DCW-WW-059-21015

Manual Integrations
APPROVED

apatel
2/12/2015 4:13:37 PM

Quant Time: Feb 12 10:43:34 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 10 13:30:38 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 7.54 min Scan# 582

Delta R.T. -0.06 min

Lab File: BF077259.D

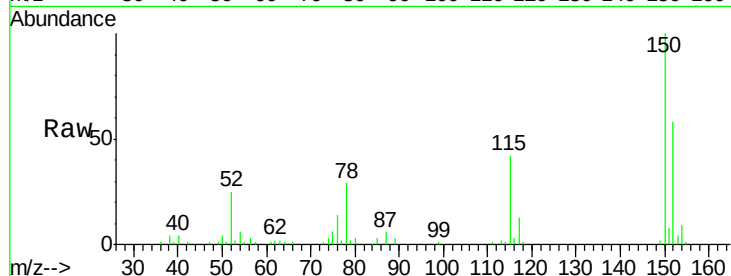
Acq: 11 Feb 2015 18:08

Instrument :

BNA_F

ClientSampleId :

DCW-WW-059-21015



Tgt Ion:152 Resp: 69616

Ion Ratio Lower Upper

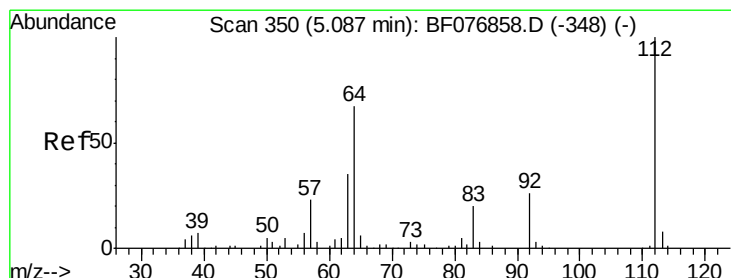
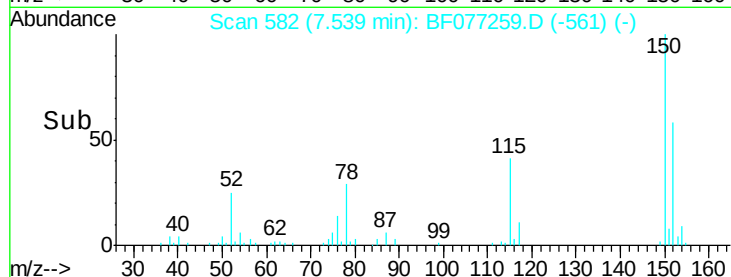
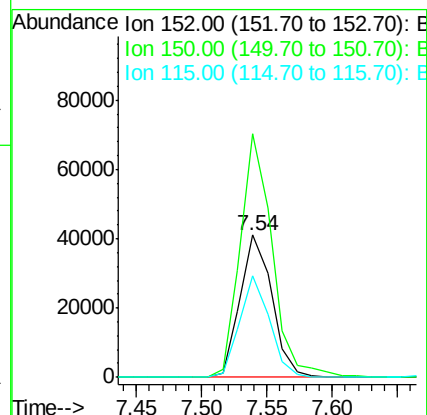
152 100

150 171.0 121.7 182.5

115 71.5 47.0 70.6#

Manual Integrations
APPROVED

apatel
2/12/2015 4:13:37 PM



#5

2-Fluorophenol

Concen: 46.15 ng

RT: 4.56 min Scan# 321

Delta R.T. -0.03 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

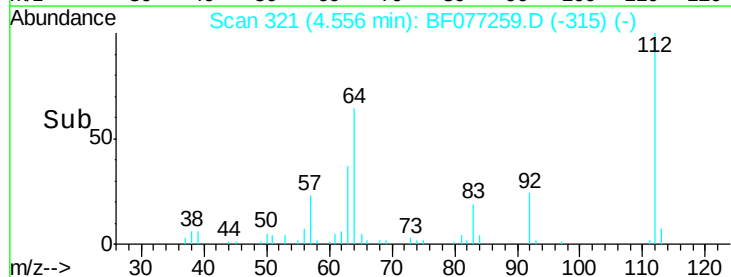
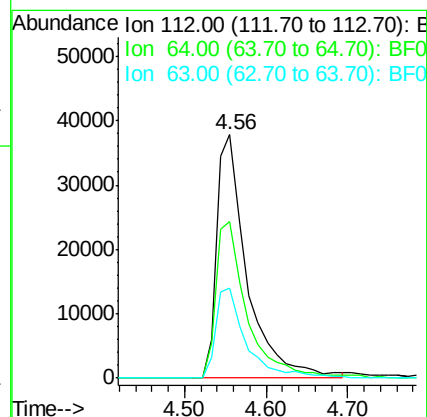
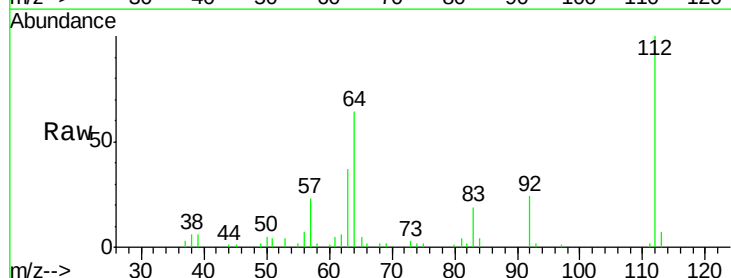
Tgt Ion:112 Resp: 97706

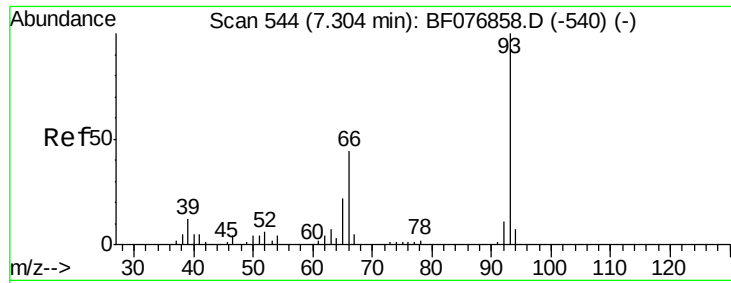
Ion Ratio Lower Upper

112 100

64 64.1 54.2 81.4

63 36.8 28.4 42.6





#6

Aniline

Concen: 4.06 ng

RT: 6.84 min Scan# 521

Delta R.T. -0.03 min

Lab File: BF077259.D

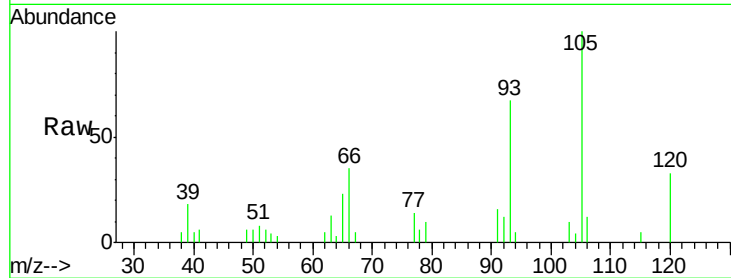
Acq: 11 Feb 2015 18:08

Instrument :

BNA_F

ClientSampleId :

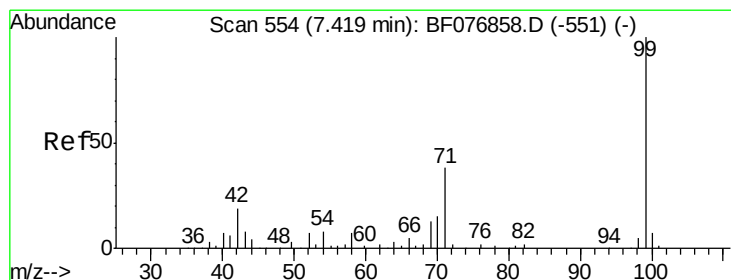
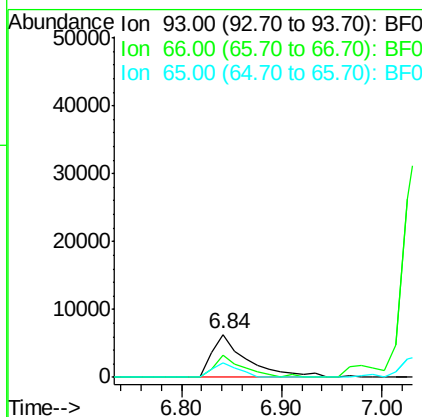
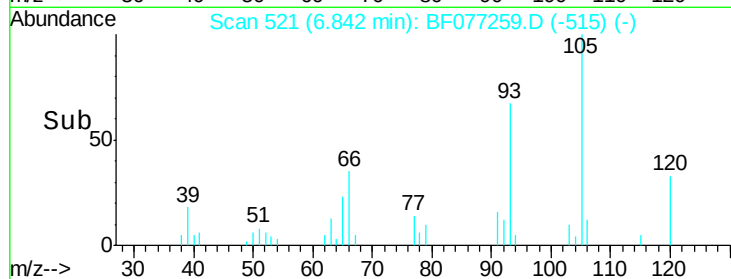
DCW-WW-059-21015



Tgt Ion:	93	Resp:	15016
Ion	Ratio	Lower	Upper
93	100		
66	51.3	35.0	52.4
65	34.8	17.7	26.5#

Manual Integrations
APPROVED

apatel
2/12/2015 4:13:37 PM



#7

Phenol-d6

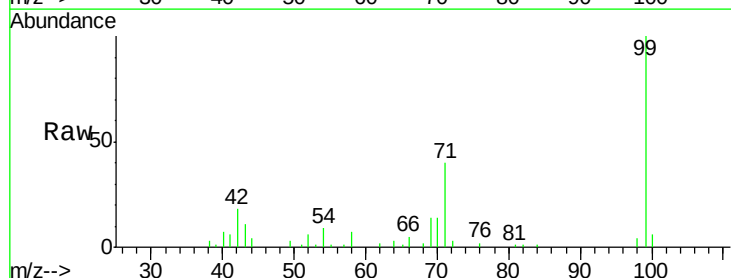
Concen: 28.32 ng

RT: 6.98 min Scan# 533

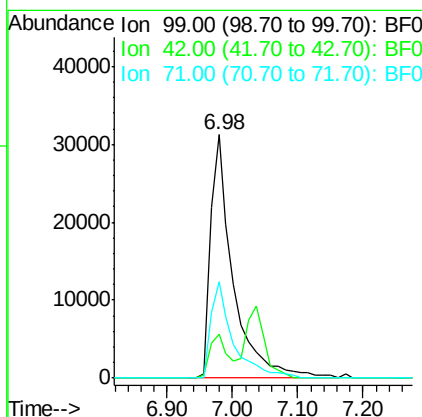
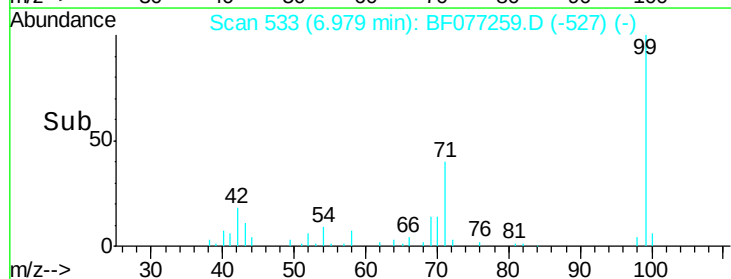
Delta R.T. -0.03 min

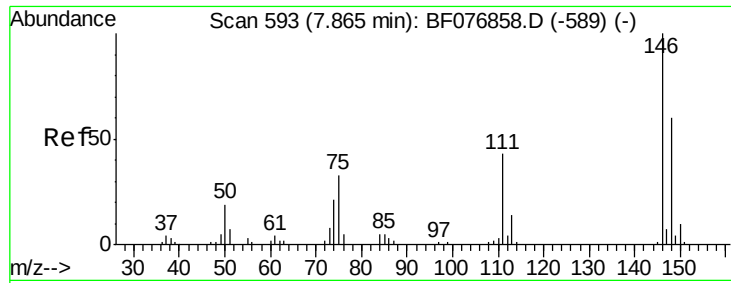
Lab File: BF077259.D

Acq: 11 Feb 2015 18:08



Tgt Ion:	99	Resp:	75641
Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.0	22.4
71	39.8	30.5	45.7





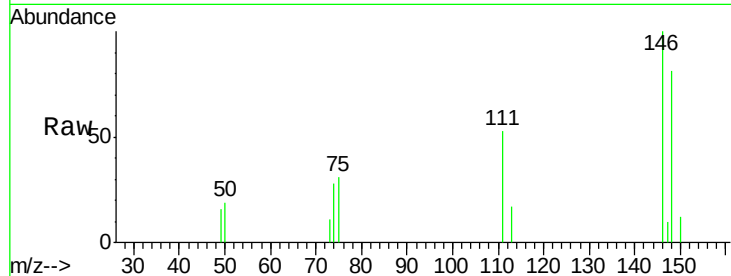
#12
 1,3-Dichlorobenzene
 Concen: 2.67 ng
 RT: 7.39 min Scan# 569
 Delta R.T. -0.05 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-059-21015

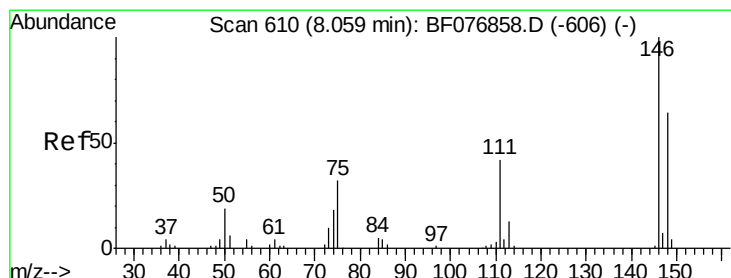
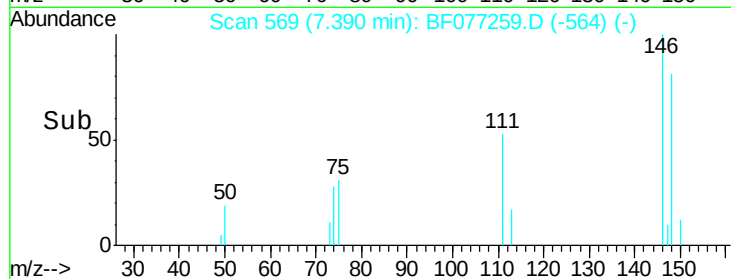
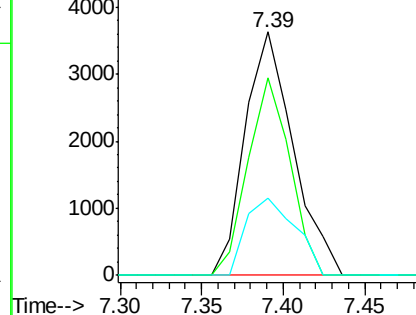
Tgt Ion	Ratio	Lower	Upper
146	100		
148	81.2	48.1	72.1#
75	31.5	26.8	40.2

Manual Integrations
 APPROVED

apatel
 2/12/2015 4:13:37 PM

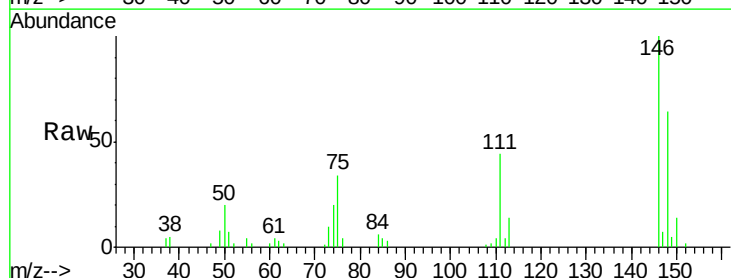


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

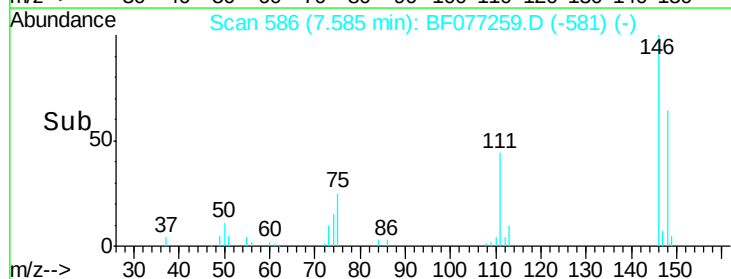
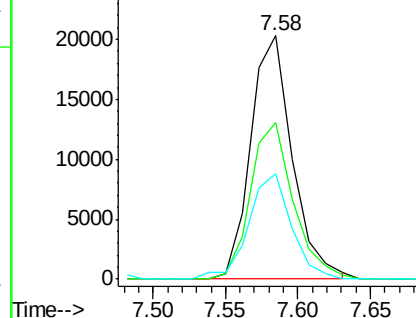


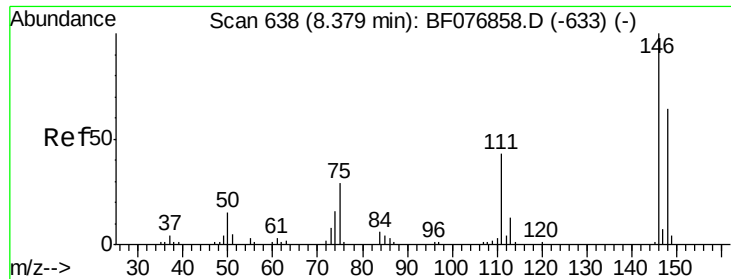
#13
 1,4-Dichlorobenzene
 Concen: 13.74 ng
 RT: 7.58 min Scan# 586
 Delta R.T. -0.05 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	43.5	33.9	50.9



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





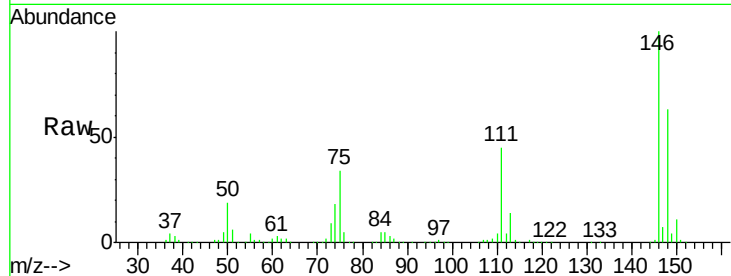
#14
 1,2-Dichlorobenzene
 Concen: 273.29 ng
 RT: 7.90 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-059-21015

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.3	76.9
111	45.2	34.5	51.7

Manual Integrations
 APPROVED

apatel
 2/12/2015 4:13:37 PM

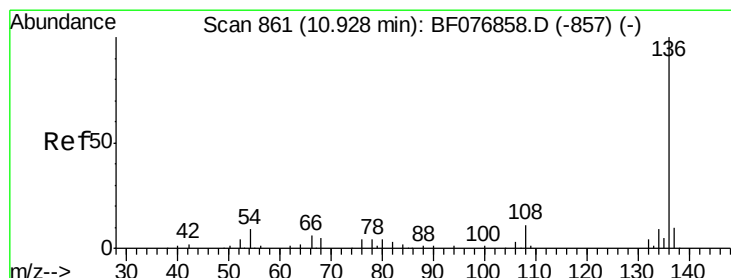
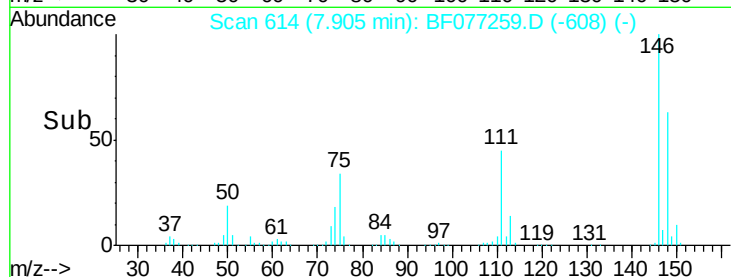
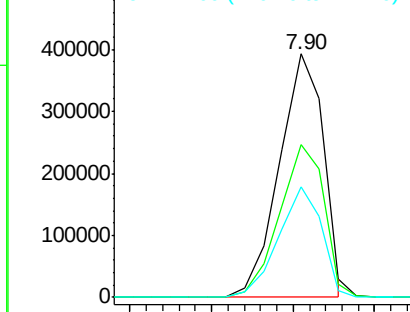


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#21
 Naphthalene-d8
 Concen: 40.00 ng m
 RT: 10.46 min Scan# 838
 Delta R.T. -0.03 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.1	12.1
54	8.3	7.0	10.4
68	3.9	3.7	5.5

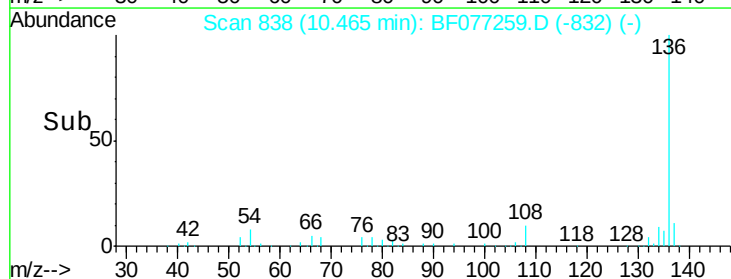
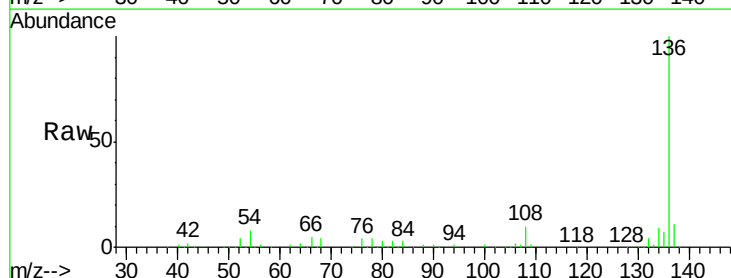
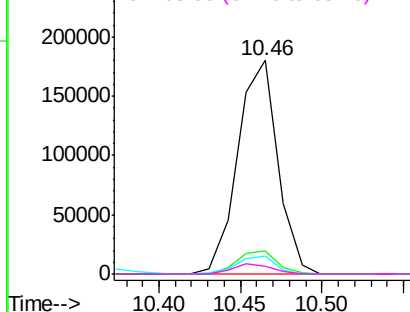
Abundance

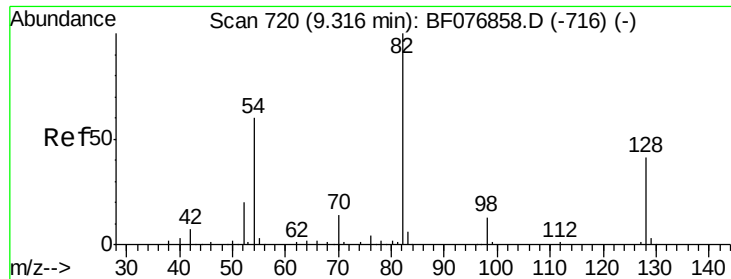
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





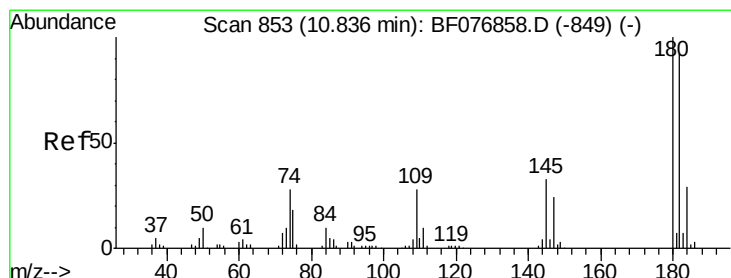
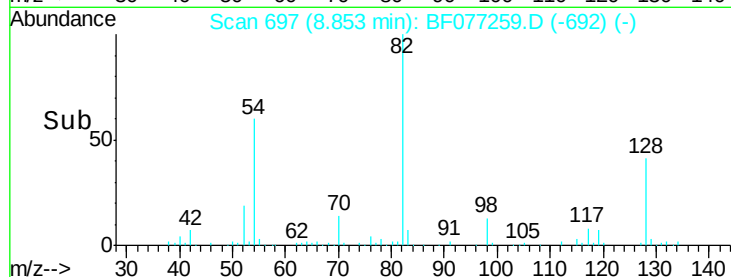
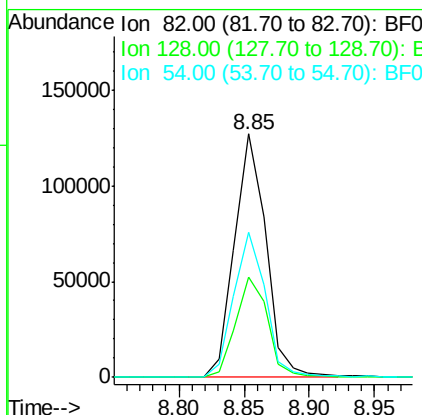
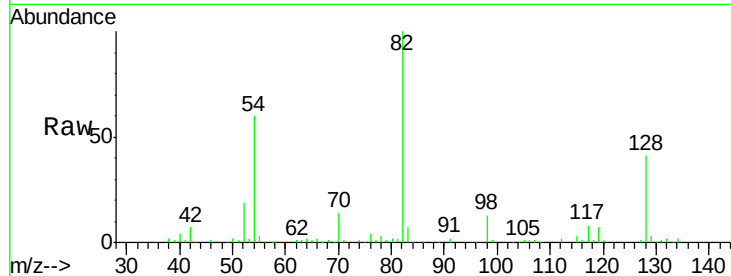
#23
 Nitrobenzene-d5
 Concen: 76.67 ng
 RT: 8.85 min Scan# 697
 Delta R.T. -0.05 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-059-21015

Tgt Ion:	82	Resp:	213697
Ion Ratio	Lower	Upper	
82	100		
128	41.3	33.1	49.7
54	59.8	48.3	72.5

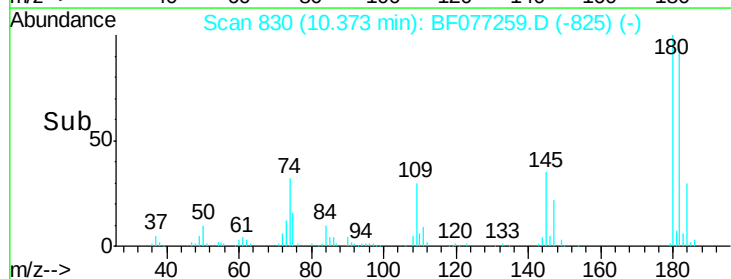
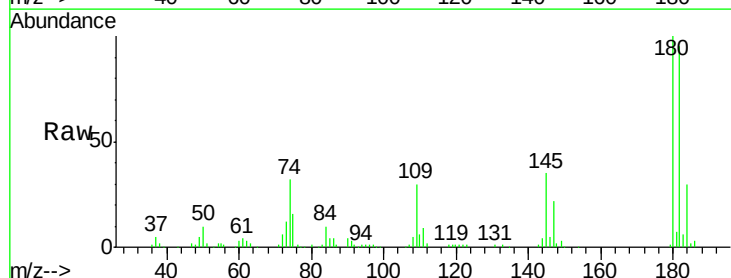
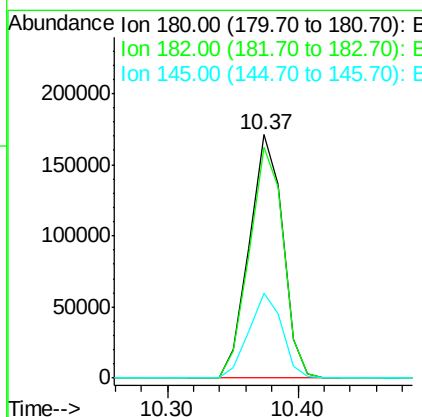
Manual Integrations
 APPROVED

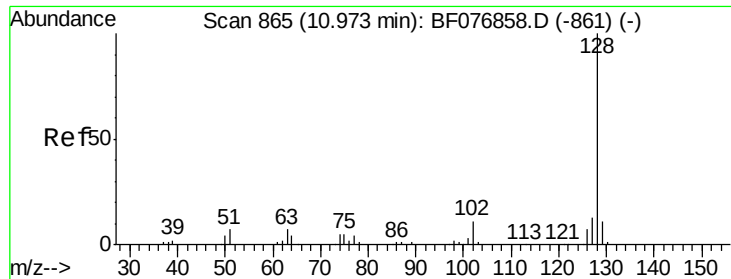
apatel
 2/12/2015 4:13:37 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 135.82 ng
 RT: 10.37 min Scan# 830
 Delta R.T. -0.05 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Tgt Ion:	180	Resp:	308721
Ion Ratio	Lower	Upper	
180	100		
182	94.9	73.6	110.4
145	34.8	26.6	39.8





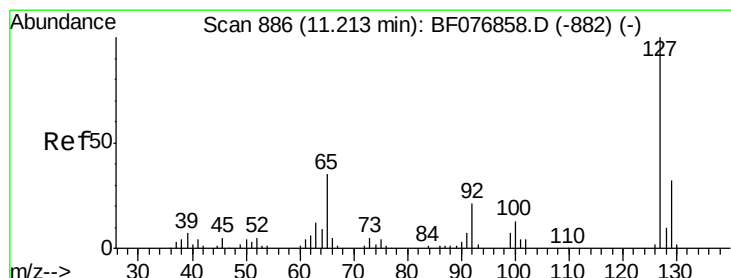
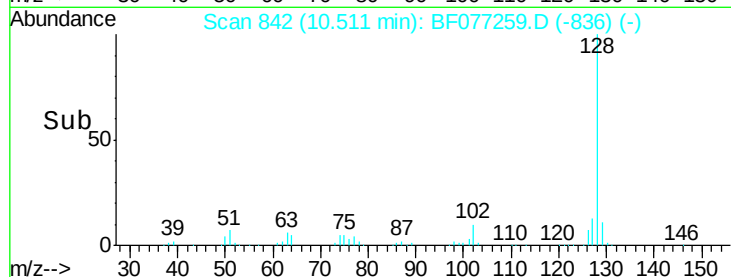
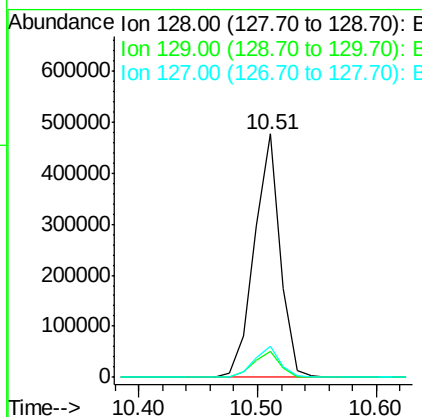
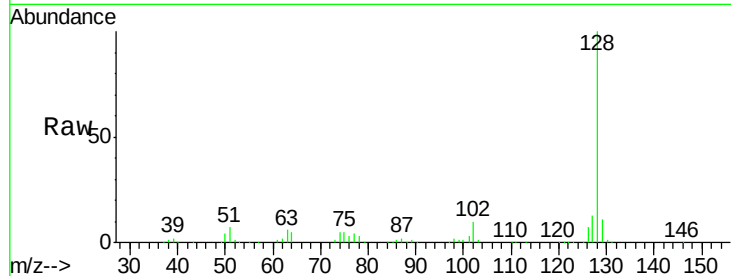
#31
Naphthalene
Concen: 91.12 ng
RT: 10.51 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF077259.D
Acq: 11 Feb 2015 18:08

Instrument :
BNA_F
ClientSampleId :
DCW-WW-059-21015

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	724471		
129	10.9	9.0	13.6	
127	12.9	10.2	15.2	

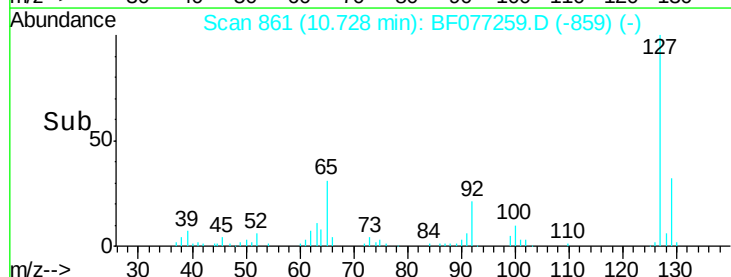
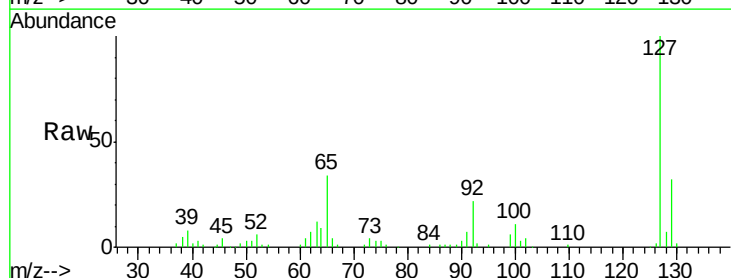
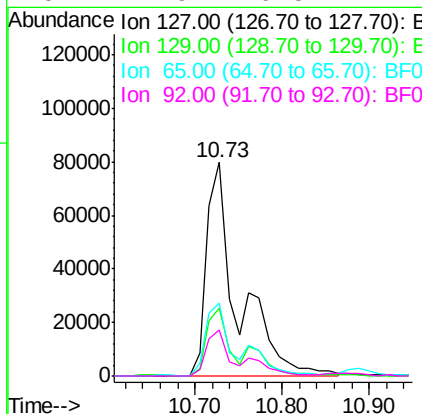
Manual Integrations
APPROVED

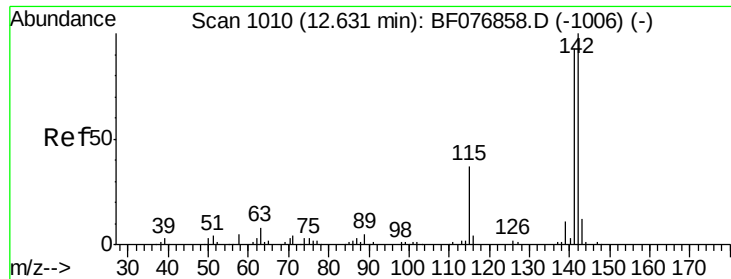
apatel
2/12/2015 4:13:37 PM



#33
4-Chloroaniline
Concen: 62.46 ng m
RT: 10.73 min Scan# 861
Delta R.T. -0.08 min
Lab File: BF077259.D
Acq: 11 Feb 2015 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	200643		
129	31.7	25.3	37.9	
65	34.0	27.8	41.6	
92	21.9	16.5	24.7	





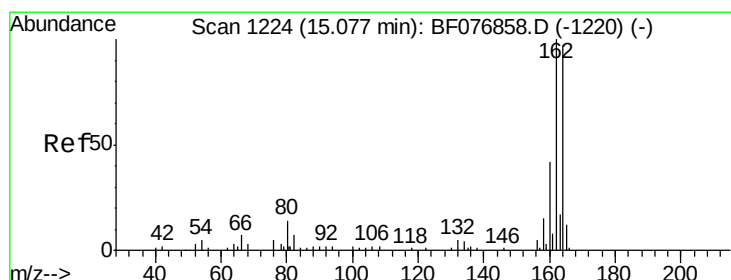
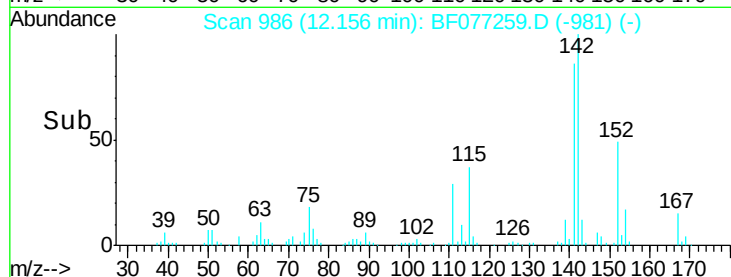
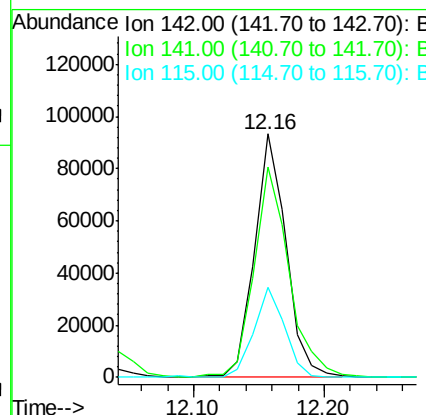
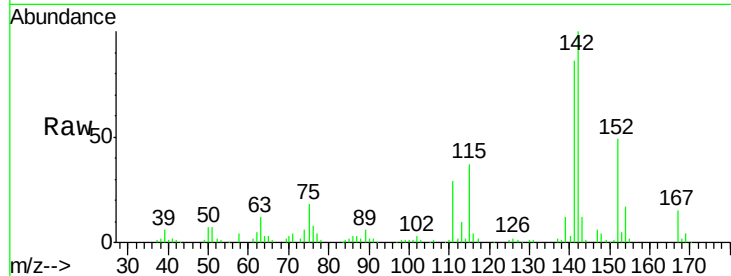
#37
2-Methylnaphthalene
Concen: 29.06 ng
RT: 12.16 min Scan# 986
Delta R.T. -0.05 min
Lab File: BF077259.D
Acq: 11 Feb 2015 18:08

Instrument :
BNA_F
ClientSampleId :
DCW-WW-059-21015

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	157797		
141	86.4	74.5	111.7	
115	36.7	29.7	44.5	

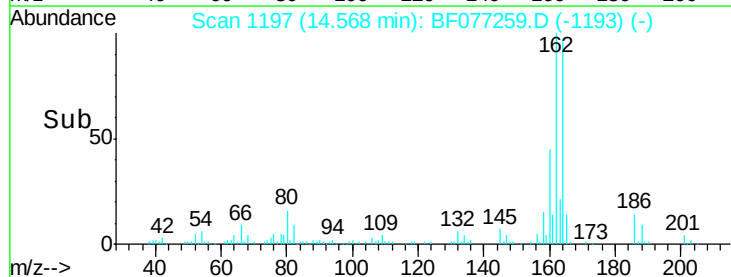
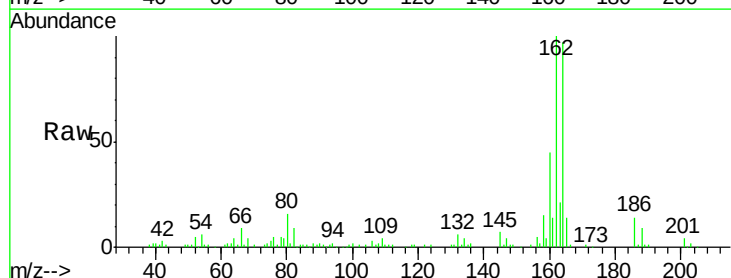
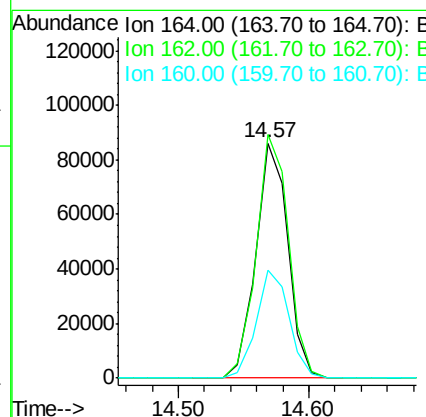
Manual Integrations
APPROVED

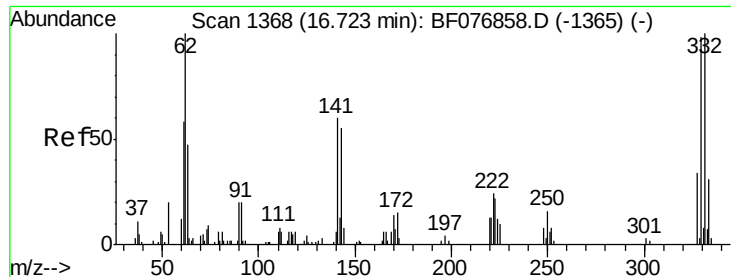
apatel
2/12/2015 4:13:37 PM



#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 14.57 min Scan# 1197
Delta R.T. -0.06 min
Lab File: BF077259.D
Acq: 11 Feb 2015 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	147701		
162	103.6	82.4	123.6	
160	46.2	34.8	52.2	





#41

2,4,6-Tribromophenol

Concen: 124.60 ng

RT: 16.34 min Scan# 1352

Delta R.T. -0.03 min

Lab File: BF077259.D

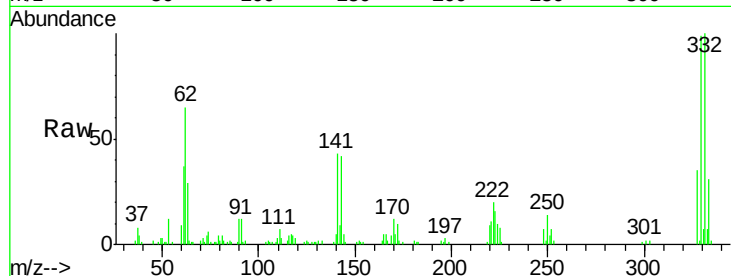
Acq: 11 Feb 2015 18:08

Instrument :

BNA_F

ClientSampleId :

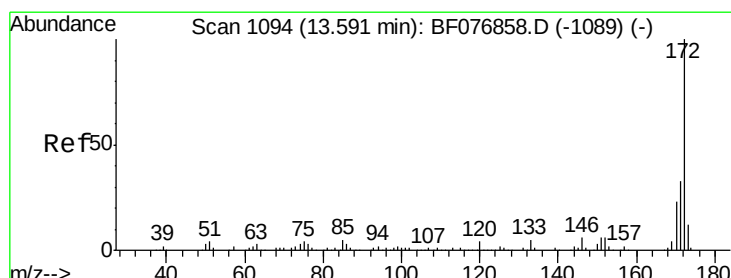
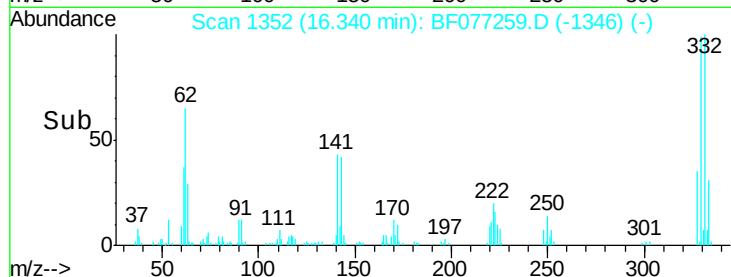
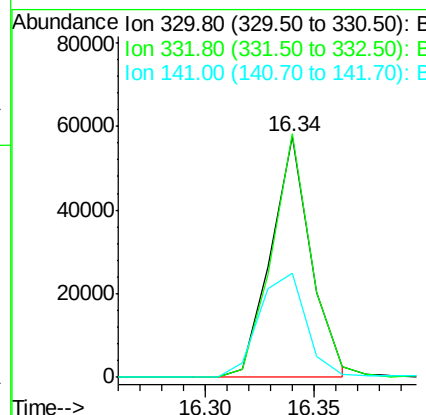
DCW-WW-059-21015



Tgt Ion:	330	Resp:	74696
Ion Ratio	Lower	Upper	
330	100		
332	98.8	77.8	116.6
141	50.7	38.5	57.7

Manual Integrations
APPROVED

apatel
2/12/2015 4:13:37 PM



#44

2-Fluorobiphenyl

Concen: 89.12 ng

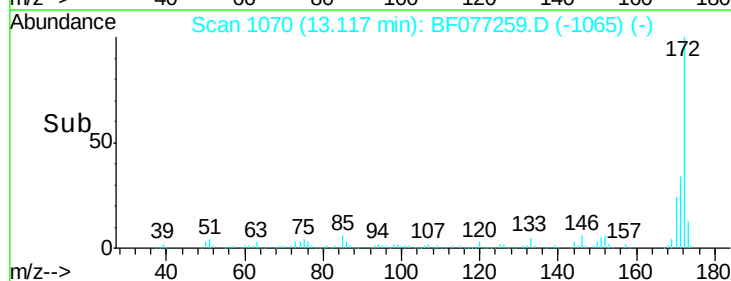
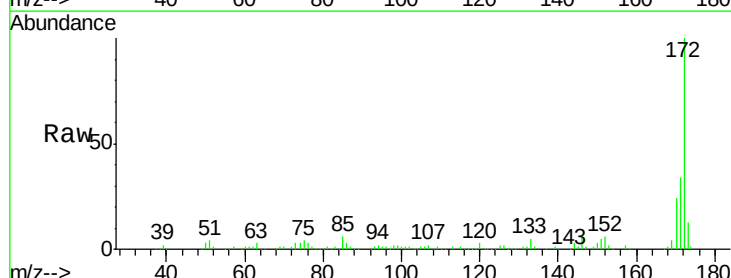
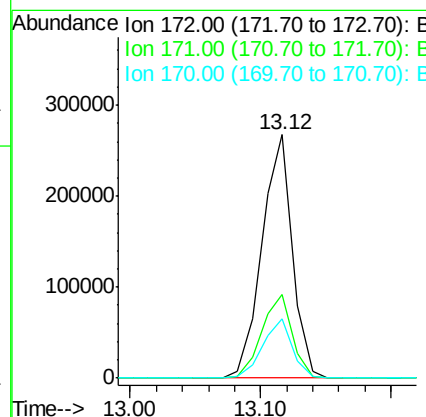
RT: 13.12 min Scan# 1070

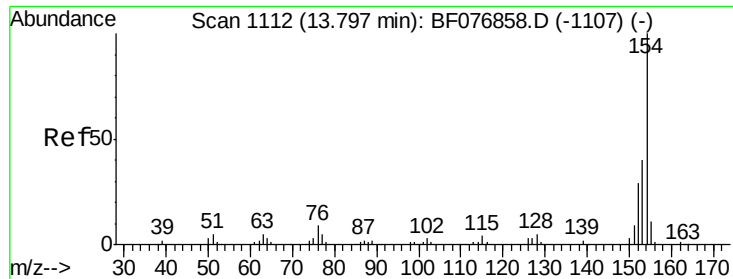
Delta R.T. -0.05 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

Tgt Ion:	172	Resp:	432475
Ion Ratio	Lower	Upper	
172	100		
171	34.1	26.6	40.0
170	24.3	18.0	27.0





#45

1,1'-Biphenyl

Concen: 2.93 ng

RT: 13.31 min Scan# 1087

Delta R.T. -0.05 min

Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

Instrument :

BNA_F

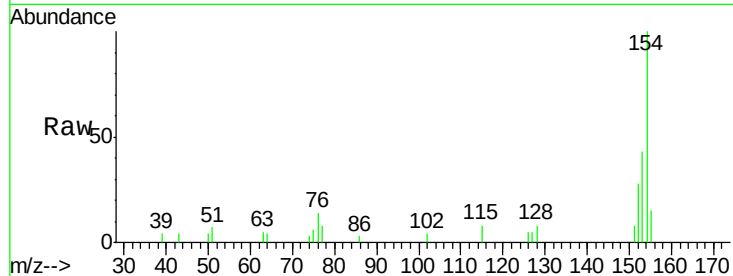
ClientSampleId :

DCW-WW-059-21015

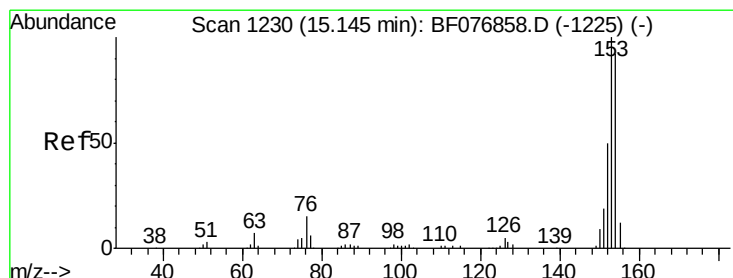
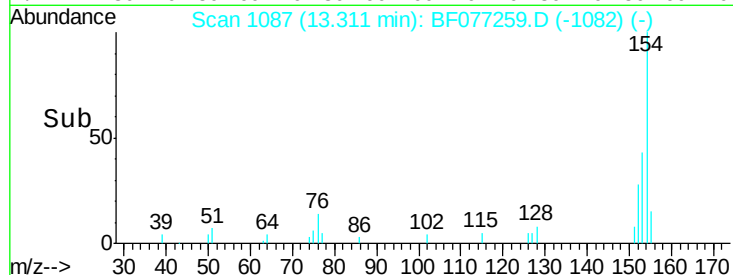
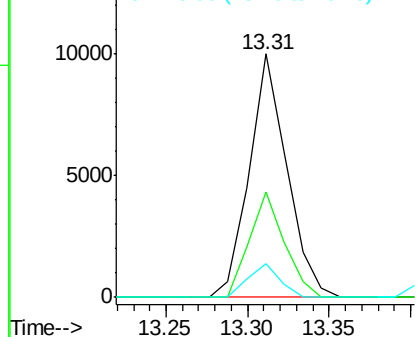
Tgt Ion:	154	Resp:	16064
Ion Ratio	Lower	Upper	
154	100		
153	43.2	20.2	60.2
76	14.1	0.0	29.0

Manual Integrations
APPROVED

apatel
2/12/2015 4:13:37 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 8.80 ng

RT: 14.65 min Scan# 1204

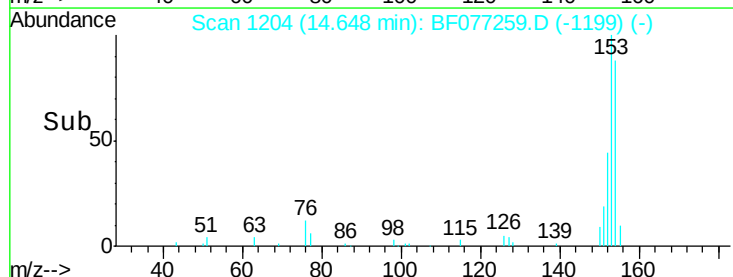
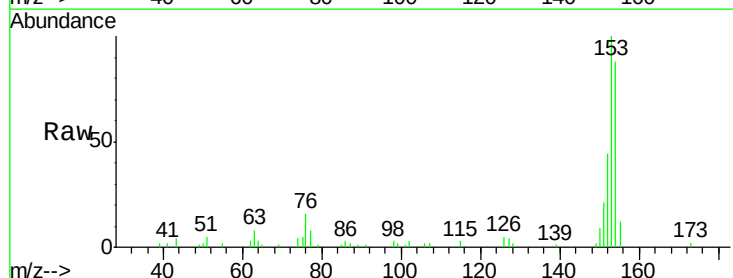
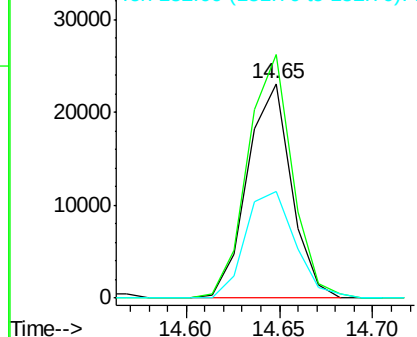
Delta R.T. -0.05 min

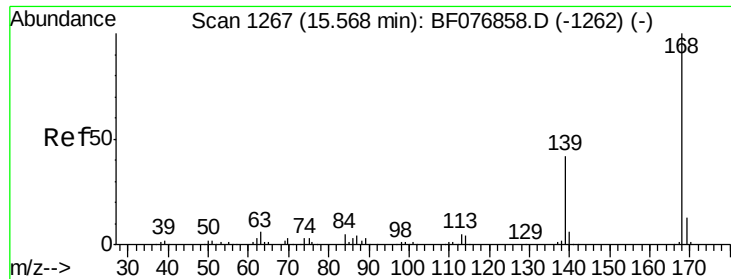
Lab File: BF077259.D

Acq: 11 Feb 2015 18:08

Tgt Ion:	154	Resp:	37939
Ion Ratio	Lower	Upper	
154	100		
153	113.6	87.0	130.6
152	49.8	43.5	65.3

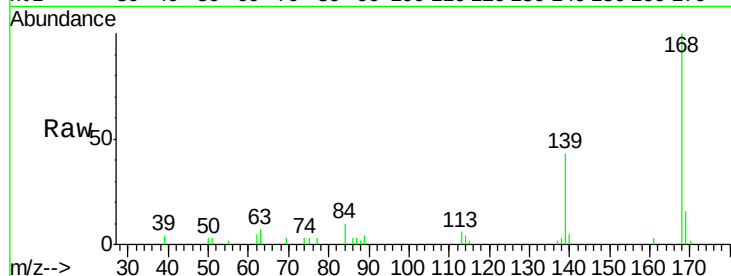
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54
Dibenzenofuran
Concen: 3.96 ng
RT: 15.07 min Scan# 1241
Delta R.T. -0.06 min
Lab File: BF077259.D
Acq: 11 Feb 2015 18:08

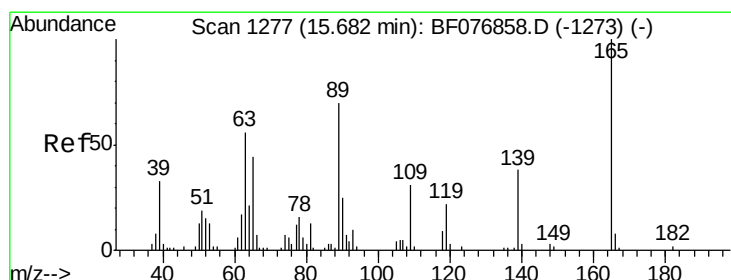
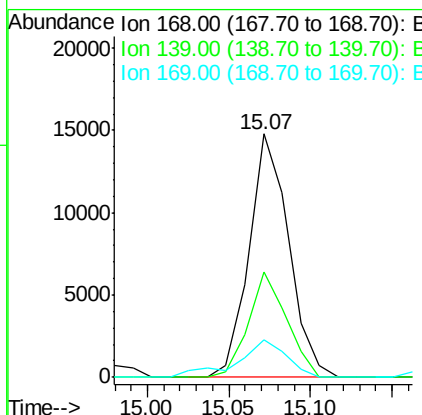
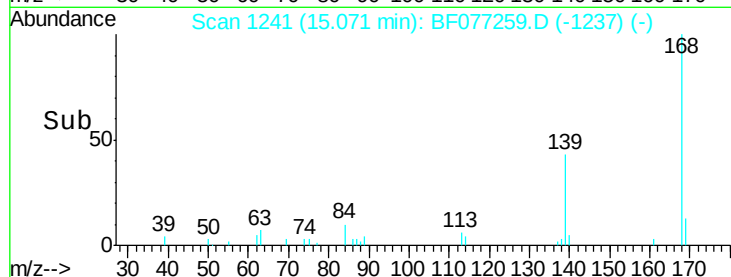
Instrument :
BNA_F
ClientSampleId :
DCW-WW-059-21015



Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.4	33.4	50.2
169	15.5	10.6	15.8

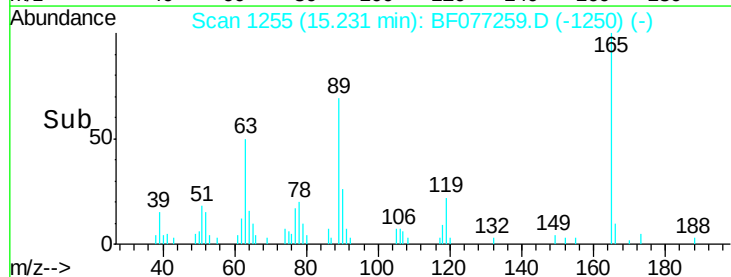
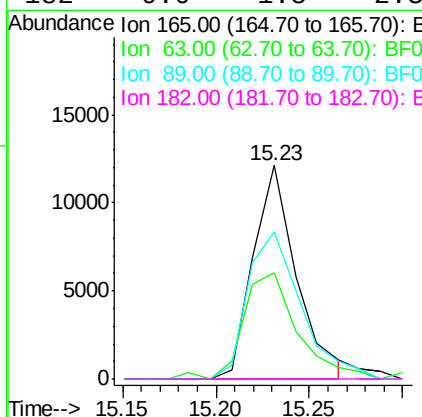
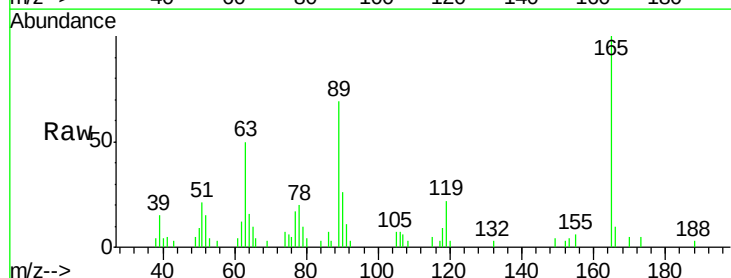
Manual Integrations
APPROVED

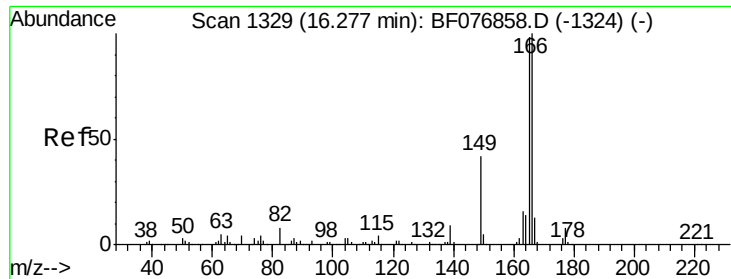
apatel
2/12/2015 4:13:37 PM



#56
2,4-Dinitrotoluene
Concen: 16.15 ng
RT: 15.23 min Scan# 1255
Delta R.T. -0.05 min
Lab File: BF077259.D
Acq: 11 Feb 2015 18:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	50.0	44.8	67.2
89	69.2	56.2	84.2
182	0.0	1.5	2.3#





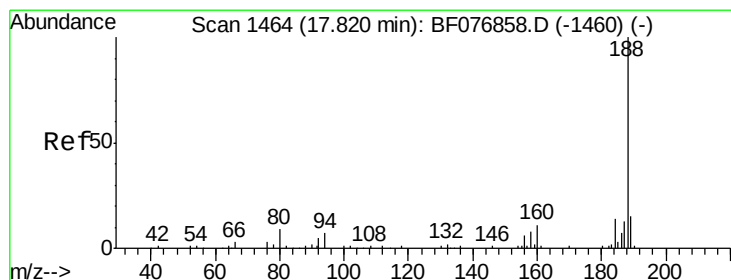
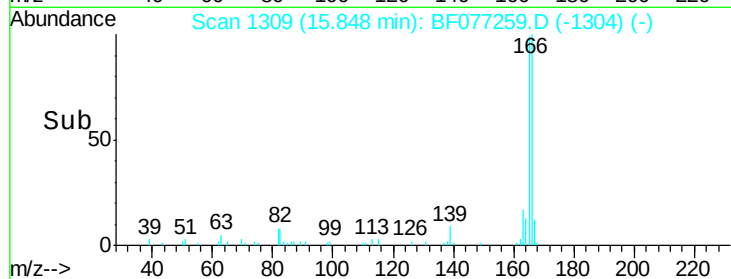
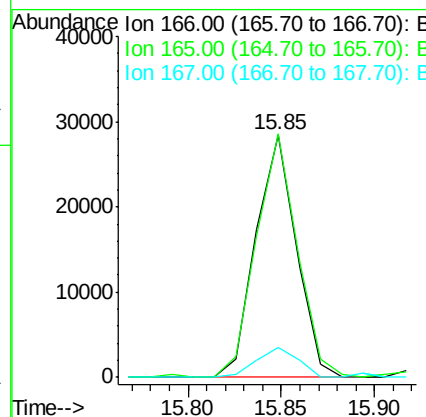
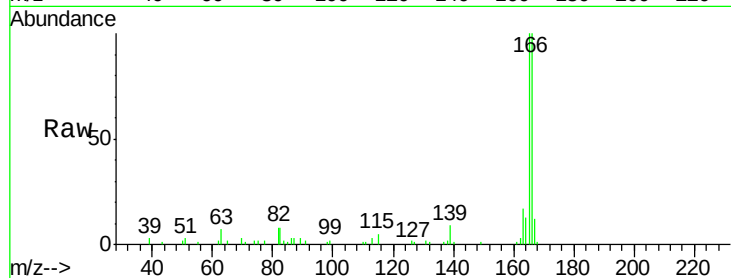
#57
Fluorene
 Concen: 8.05 ng
 RT: 15.85 min Scan# 1309
 Delta R.T. -0.05 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-059-21015

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	42837		
165	100.4	78.5	117.7	
167	12.2	10.4	15.6	

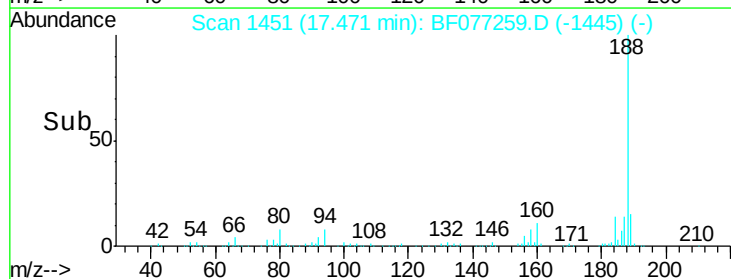
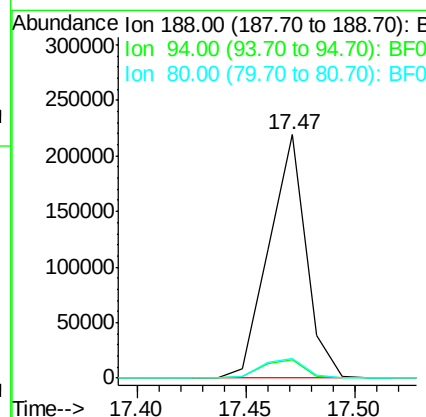
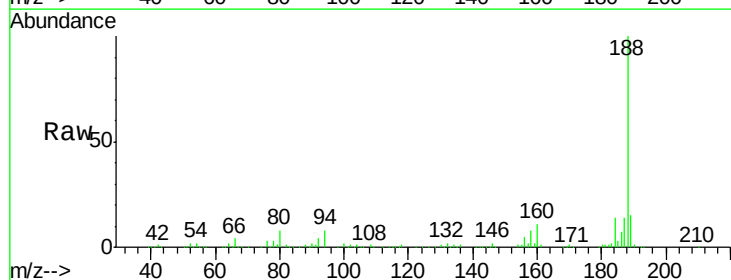
Manual Integrations
 APPROVED

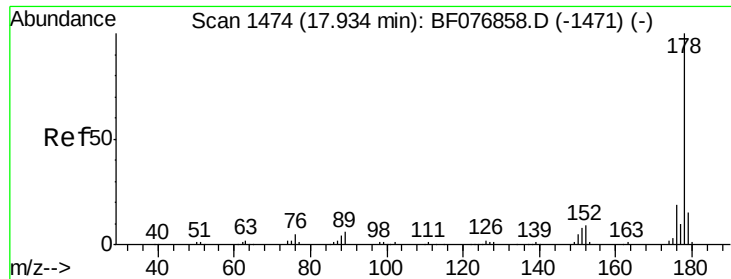
apatel
 2/12/2015 4:13:37 PM



#63
Phenanthrene-d10
 Concen: 40.00 ng
 RT: 17.47 min Scan# 1451
 Delta R.T. -0.03 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	261704		
94	7.8	6.0	9.0	
80	8.3	6.9	10.3	





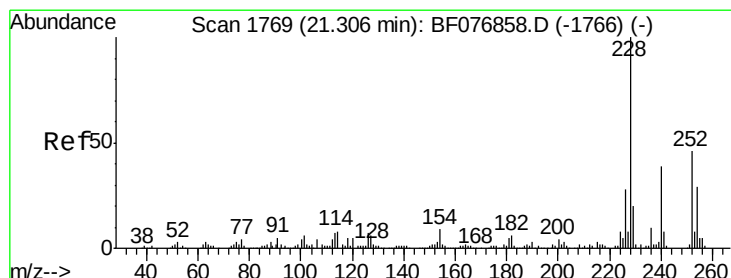
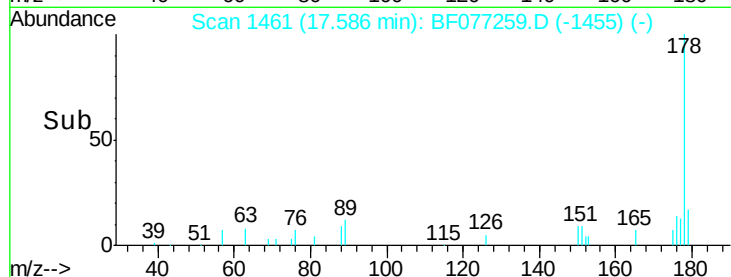
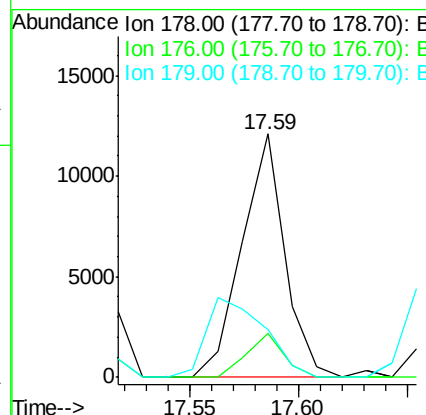
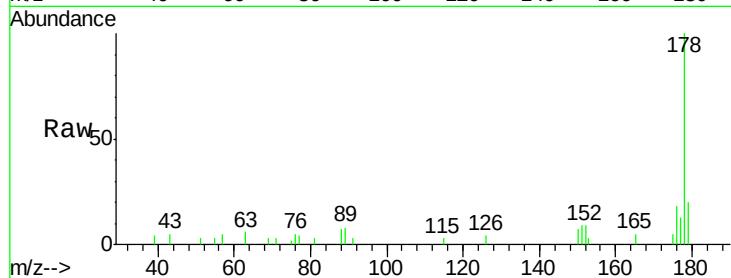
#71
 Anthracene
 Concen: 2.08 ng
 RT: 17.59 min Scan# 1461
 Delta R.T. -0.03 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-059-21015

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	17.8	15.4	23.0
179	19.8	11.9	17.9

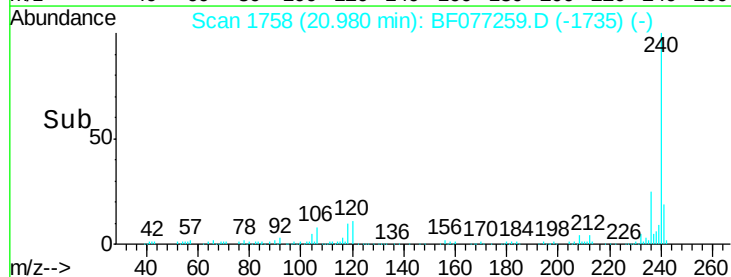
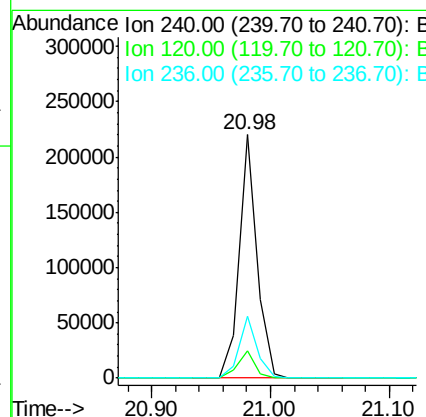
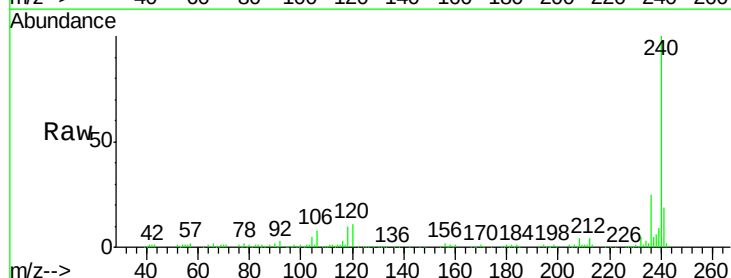
Manual Integrations
 APPROVED

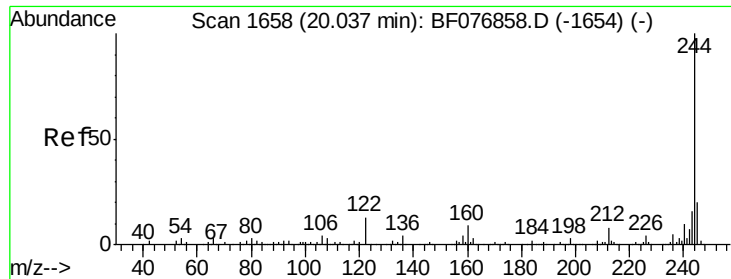
apatel
 2/12/2015 4:13:37 PM



#75
 Chrysene-d12
 Concen: 40.00 ng
 RT: 20.98 min Scan# 1758
 Delta R.T. -0.03 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.1	10.4	15.6
236	25.2	20.2	30.2





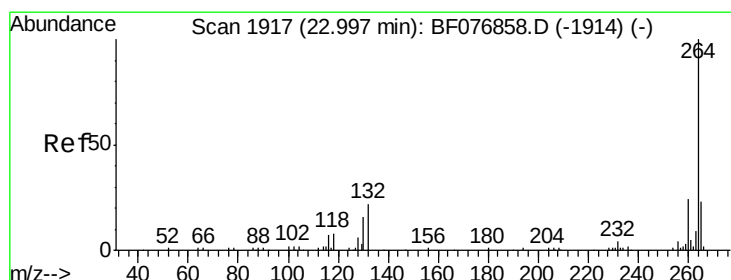
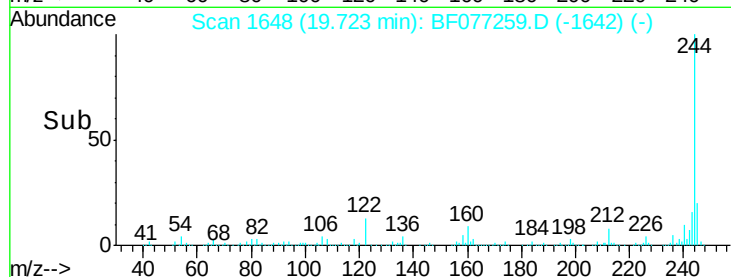
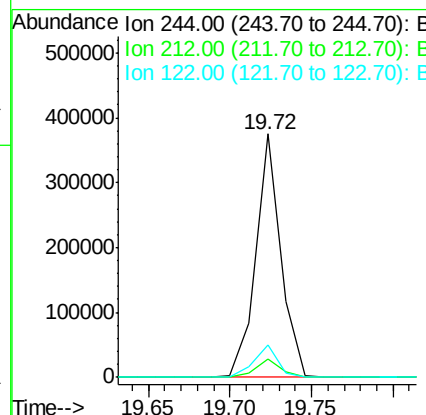
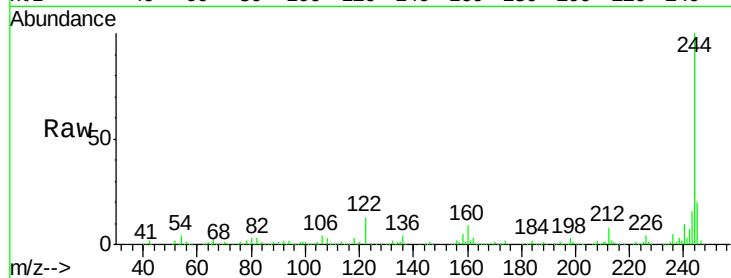
#78
 Terphenyl-d14
 Concen: 79.50 ng
 RT: 19.72 min Scan# 1648
 Delta R.T. -0.03 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Instrument :
 BNA_F
 ClientSampleId :
 DCW-WW-059-21015

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	398194		
212	7.5	6.3	9.5	
122	13.4	10.1	15.1	

Manual Integrations
 APPROVED

apatel
 2/12/2015 4:13:37 PM



#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 22.61 min Scan# 1901
 Delta R.T. -0.05 min
 Lab File: BF077259.D
 Acq: 11 Feb 2015 18:08

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	207716		
260	23.7	19.0	28.4	
265	21.2	18.1	27.1	

