

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
 Data File : BF077616.D
 Acq On : 5 Mar 2015 10:13
 Operator : TP/IZ
 Sample : G1402-05DL2 400X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

Manual Integrations
 APPROVED

apatel
 3/6/2015 10:57:48 AM

Quant Time: Mar 05 13:09:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 13:27:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	76221	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	321838	20.00	ng	0.00
38) Acenaphthene-d10	10.97	164	161981	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	321638	20.00	ng	0.00
75) Chrysene-d12	16.10	240	334251	20.00	ng	0.00
86) Perylene-d12	17.84	264	316780	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	215	0.05	ng	0.00
7) Phenol-d6	6.79	99	730	0.12	ng	0.00
23) Nitrobenzene-d5	7.92	82	243	0.05	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	209	0.13	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	582	0.06	ng	0.00
78) Terphenyl-d14	14.81	244	1389	0.10	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.83	128	932095	57.91	ng	99
37) 2-Methylnaphthalene	9.69	142	232600	20.35	ng	99
45) 1,1'-Biphenyl	10.27	154	39450	3.21	ng	97
51) Acenaphthene	11.01	154	85628	9.42	ng	98
57) Fluorene	11.65	166	75871	6.76	ng	97
70) Phenanthrene	12.84	178	326436	17.51	ng	99
71) Anthracene	12.91	178	96366	5.21	ng	99
74) Fluoranthene	14.32	202	128507	6.31	ng	98
77) Pyrene	14.60	202	201069	9.83	ng	98
80) Benzo(a)anthracene	16.09	228	80601m	4.11	ng	
82) Chrysene	16.13	228	57534	3.13	ng	97
87) Benzo(b)fluoranthene	17.39	252	52844m	2.87	ng	
89) Benzo(a)pyrene	17.77	252	51534	2.94	ng	# 94

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

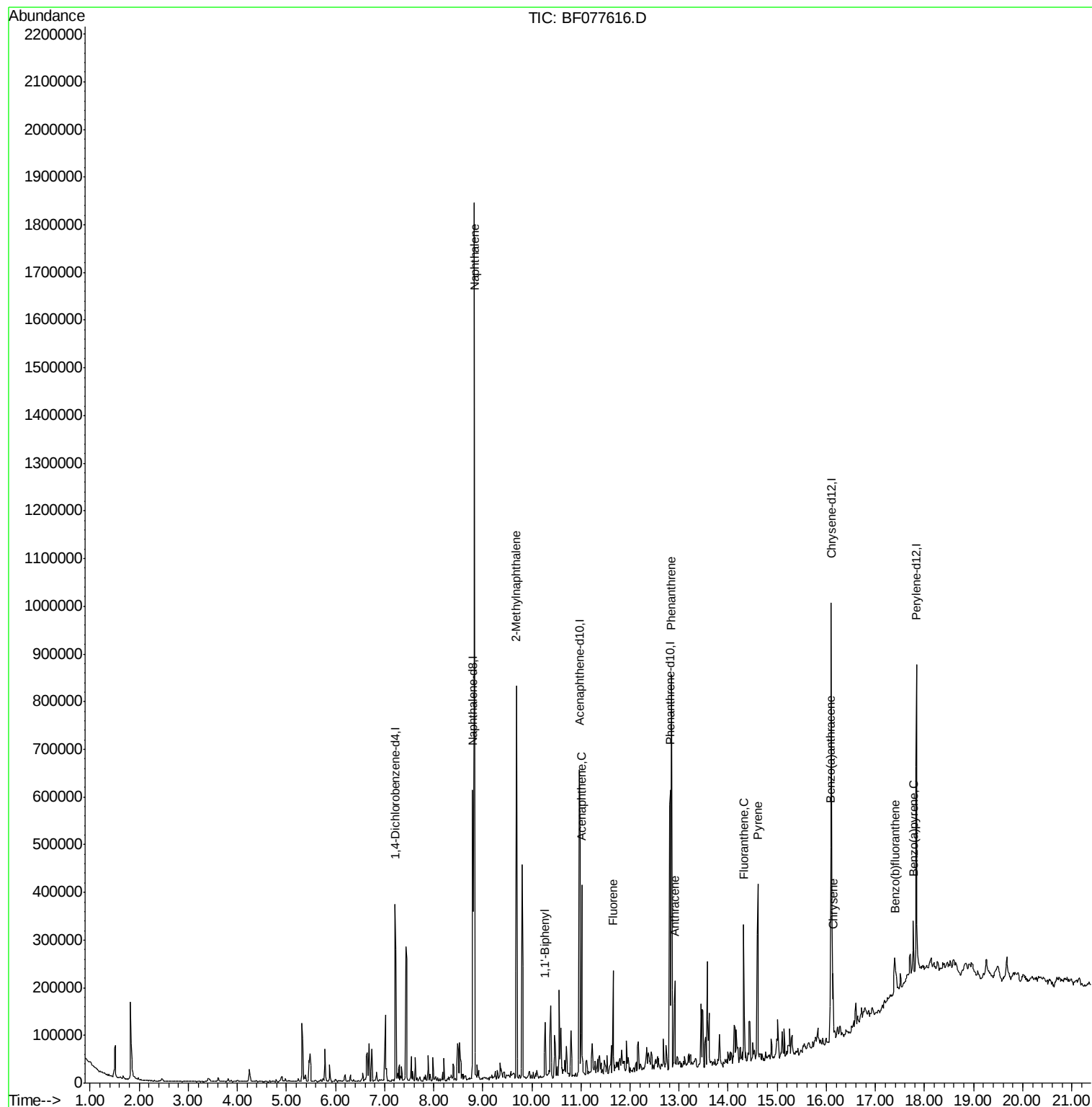
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077616.D
Acq On : 5 Mar 2015 10:13
Operator : TP/IZ
Sample : G1402-05DL2 400X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW44DL2

Manual Integrations
APPROVED

apatel
3/6/2015 10:57:48 AM

Quant Time: Mar 05 13:09:21 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 04 13:27:09 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.22 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF077616.D

Acq: 5 Mar 2015 10:13

Instrument :

BNA_F

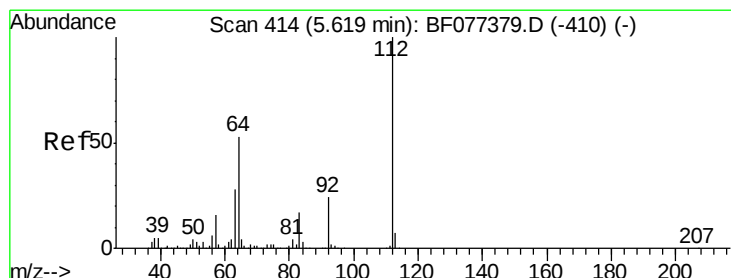
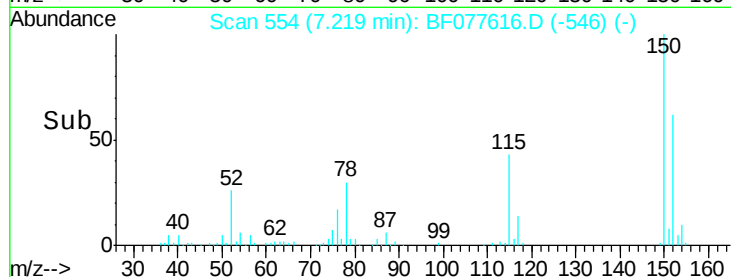
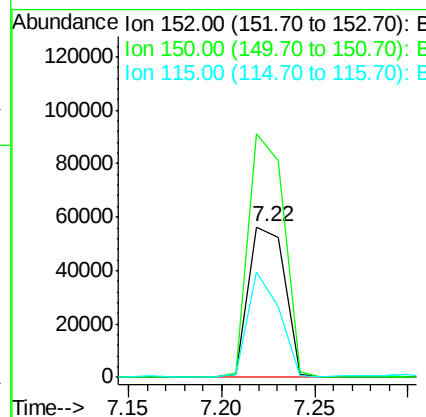
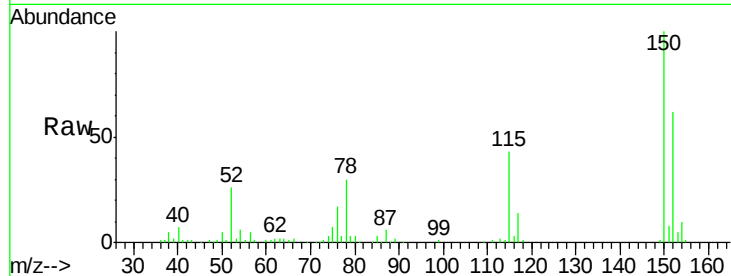
ClientSampleId :

MW44DL2

Tgt Ion:	152	Resp:	76221
Ion Ratio	Lower	Upper	
152	100		
150	162.0	124.0	186.0
115	69.7	49.4	74.2

Manual Integrations
APPROVED

apatel
3/6/2015 10:57:48 AM



#5

2-Fluorophenol

Concen: 0.05 ng

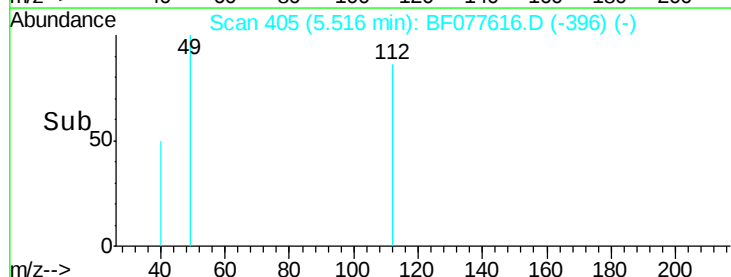
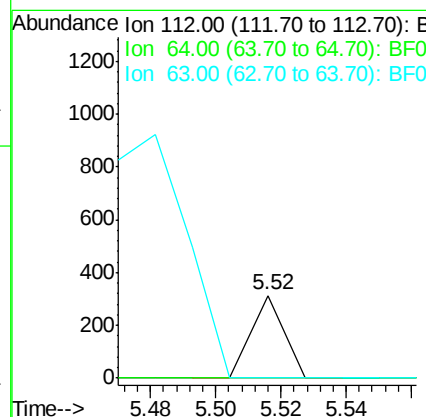
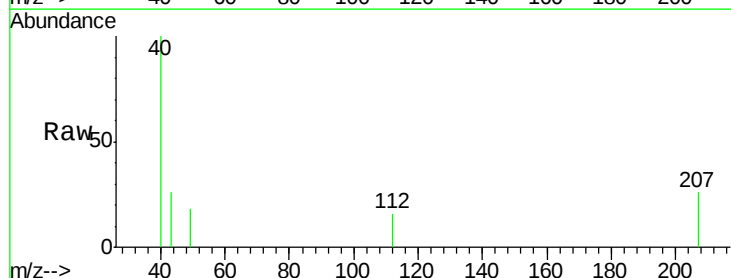
RT: 5.52 min Scan# 405

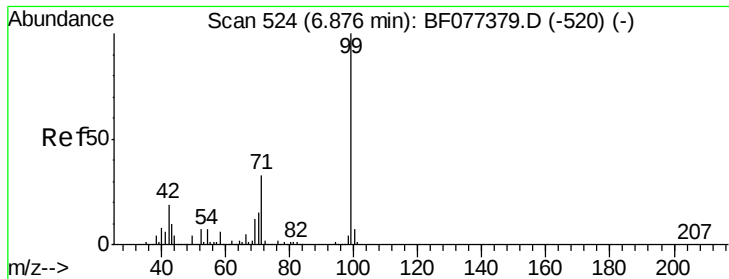
Delta R.T. 0.00 min

Lab File: BF077616.D

Acq: 5 Mar 2015 10:13

Tgt Ion:	112	Resp:	215
Ion Ratio	Lower	Upper	
112	100		
64	0.0	48.5	72.7#
63	0.0	25.0	37.4#





#7

Phenol-d6

Concen: 0.12 ng

RT: 6.79 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF077616.D

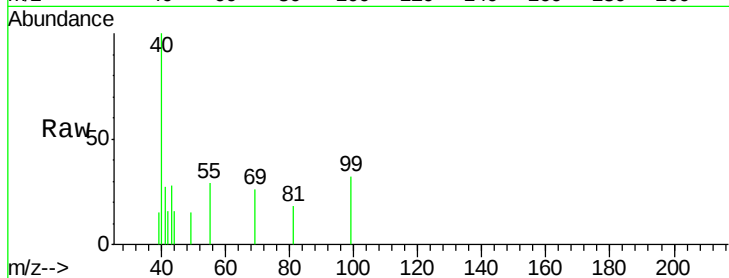
Acq: 5 Mar 2015 10:13

Instrument :

BNA_F

ClientSampled :

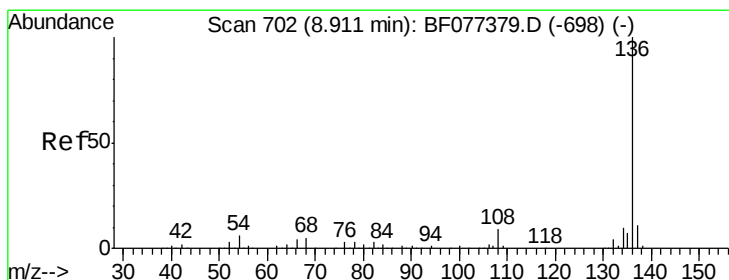
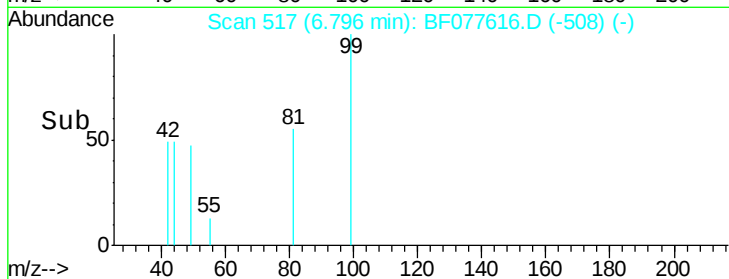
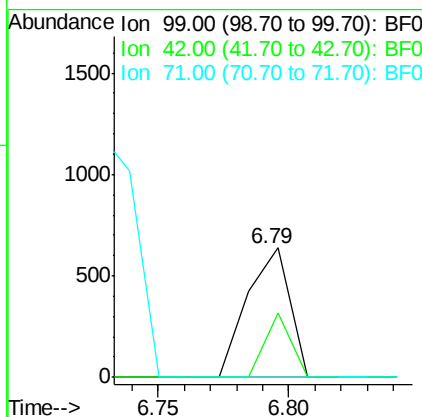
MW44DL2



Tgt Ion:	99	Resp:	730
Ion Ratio	Lower	Upper	
99	100		
42	49.5	16.2	24.4#
71	0.0	26.7	40.1#

Manual Integrations
APPROVED

apatel
3/6/2015 10:57:48 AM



#21

Naphthalene-d8

Concen: 20.00 ng

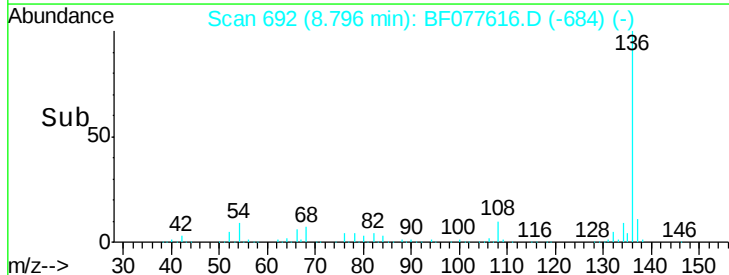
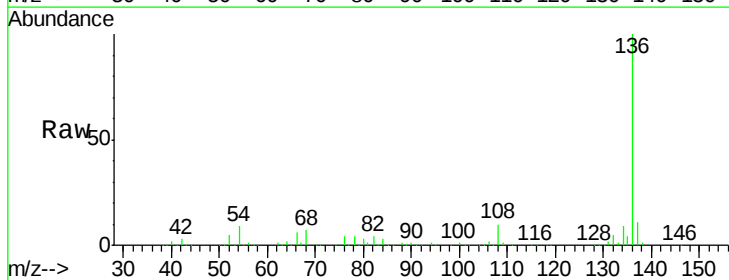
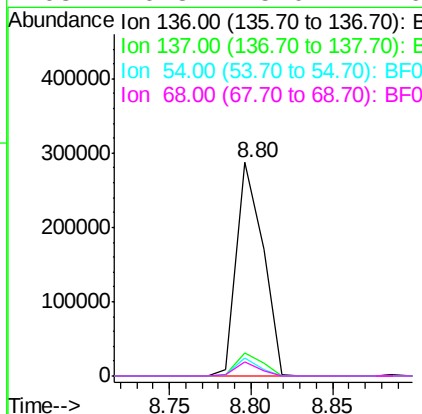
RT: 8.80 min Scan# 692

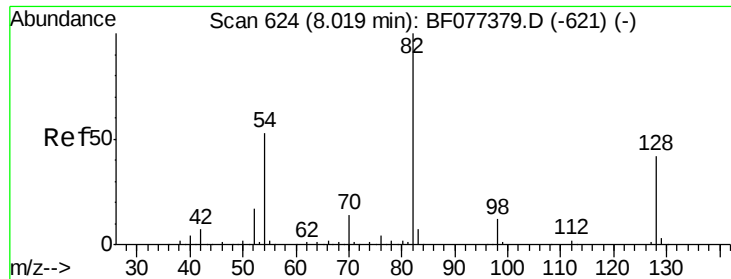
Delta R.T. -0.00 min

Lab File: BF077616.D

Acq: 5 Mar 2015 10:13

Tgt Ion:	136	Resp:	321838
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	8.6	6.2	9.4
68	6.8	5.0	7.6





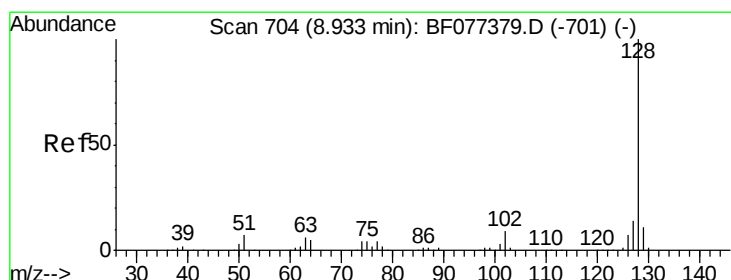
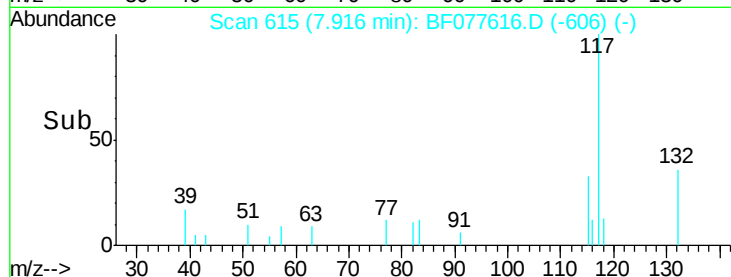
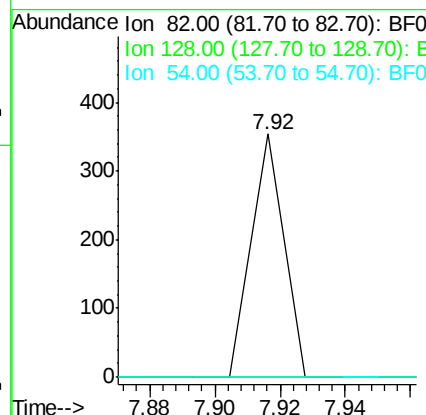
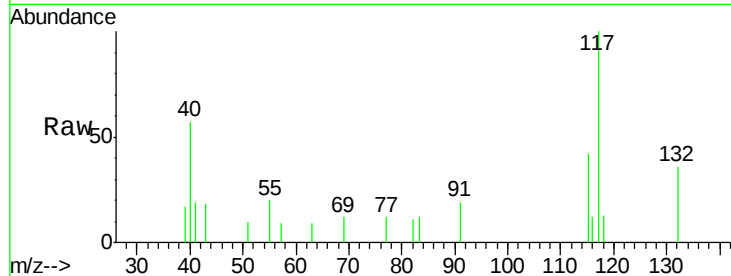
#23
 Nitrobenzene-d5
 Concen: 0.05 ng
 RT: 7.92 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: BF077616.D
 Acq: 5 Mar 2015 10:13

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	0.0	43.8	65.8#
54	0.0	36.7	55.1#

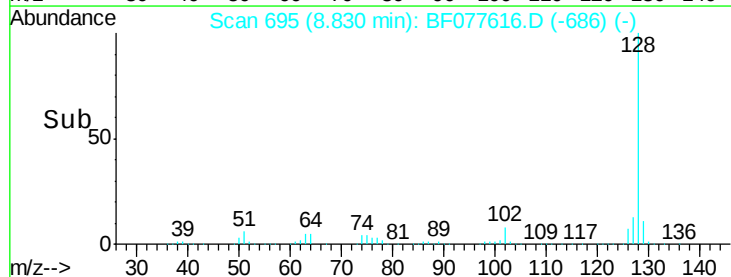
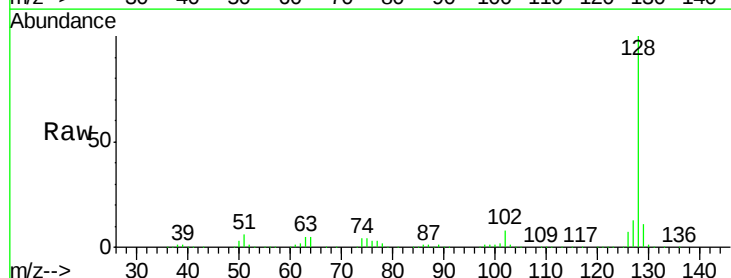
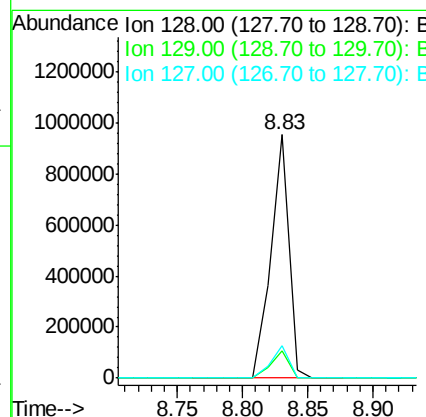
Manual Integrations
 APPROVED

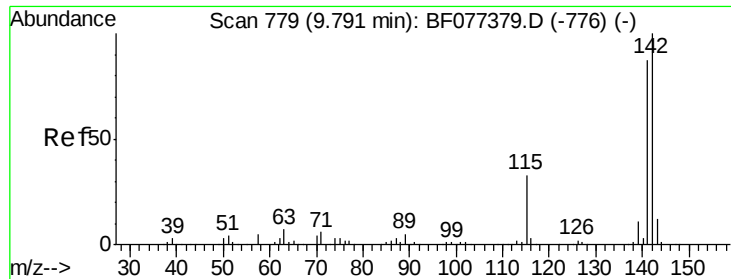
apatel
 3/6/2015 10:57:48 AM



#31
 Naphthalene
 Concen: 57.91 ng
 RT: 8.83 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: BF077616.D
 Acq: 5 Mar 2015 10:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.4	14.0
127	13.3	10.6	15.8





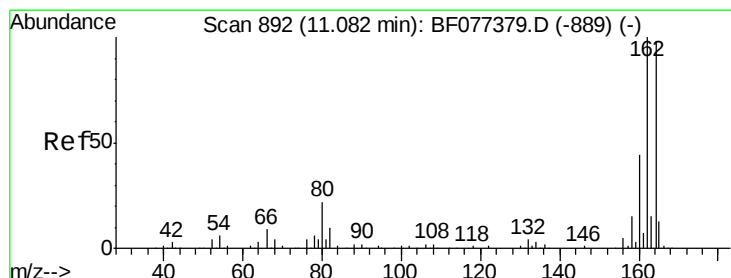
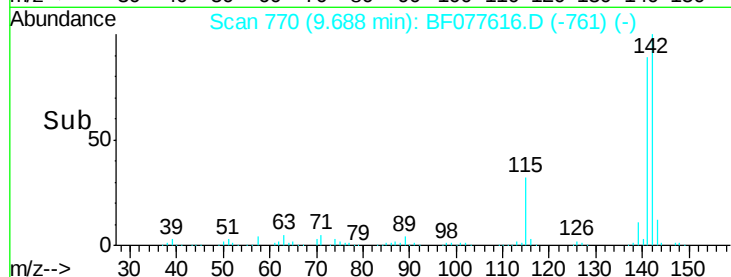
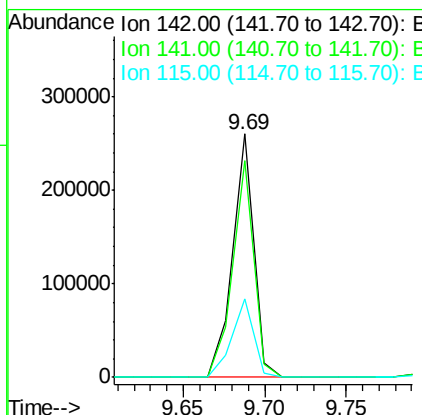
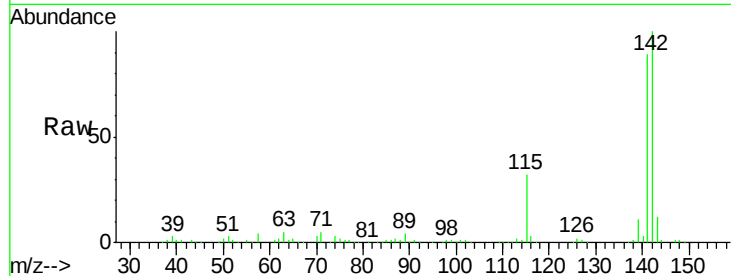
#37
 2-Methylnaphthalene
 Concen: 20.35 ng
 RT: 9.69 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: BF077616.D
 Acq: 5 Mar 2015 10:13

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	232600		
141	88.8	70.7	106.1	
115	32.0	24.2	36.4	

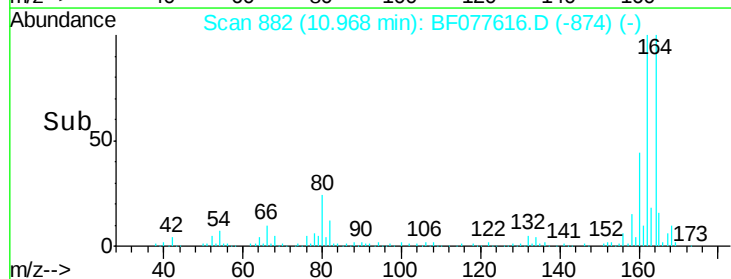
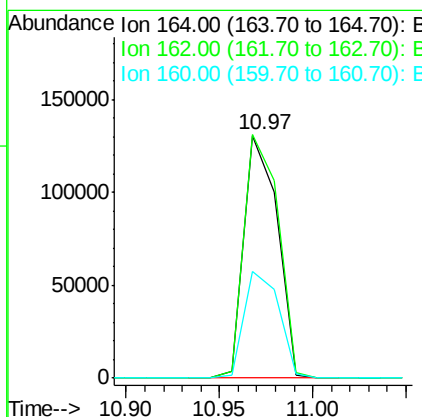
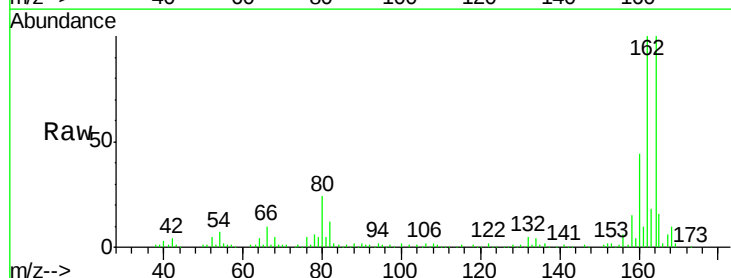
Manual Integrations
 APPROVED

apatel
 3/6/2015 10:57:48 AM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 882
 Delta R.T. -0.00 min
 Lab File: BF077616.D
 Acq: 5 Mar 2015 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	161981		
162	100.5	83.2	124.8	
160	44.2	34.6	52.0	





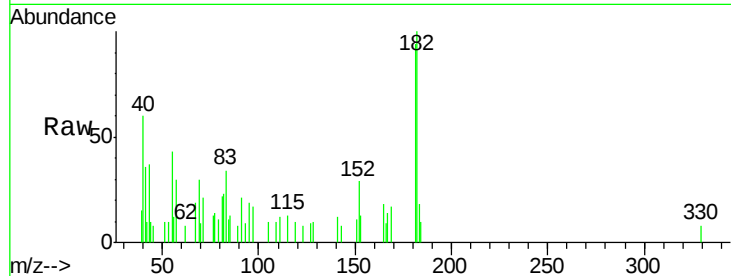
#41
 2,4,6-Tribromophenol
 Concen: 0.13 ng
 RT: 11.95 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF077616.D
 Acq: 5 Mar 2015 10:13

Instrument :
 BNA_F
 ClientSampled :
 MW44DL2

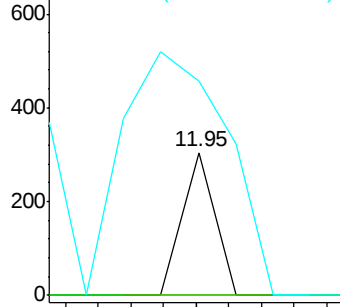
Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	77.4	116.2#
141	549.8	28.8	43.2#

Manual Integrations
 APPROVED

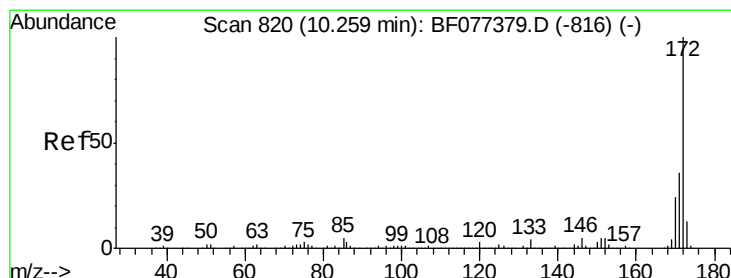
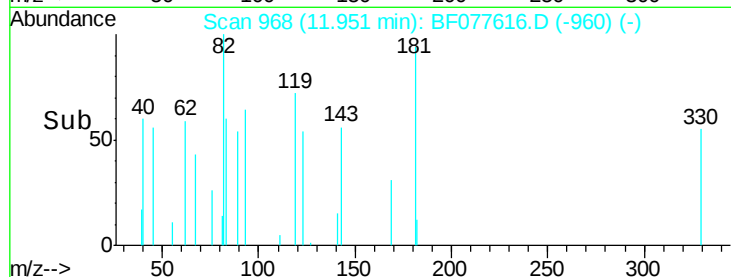
apatel
 3/6/2015 10:57:48 AM



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



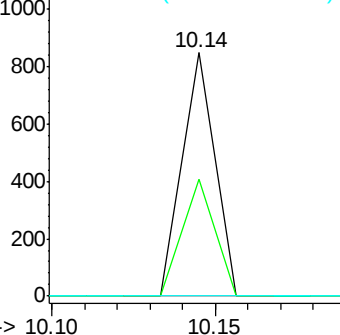
Time-->



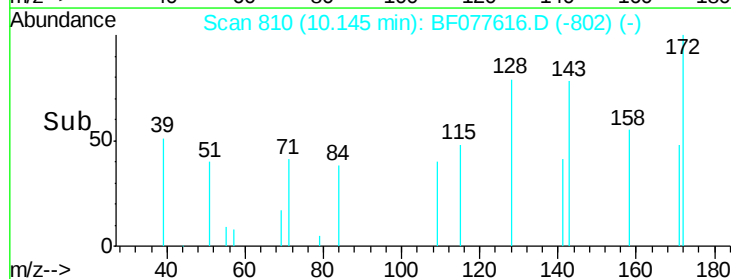
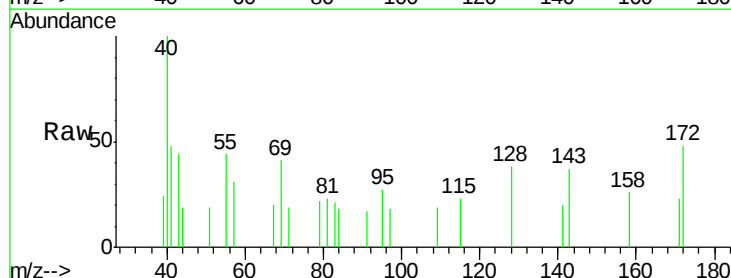
#44
 2-Fluorobiphenyl
 Concen: 0.06 ng
 RT: 10.14 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF077616.D
 Acq: 5 Mar 2015 10:13

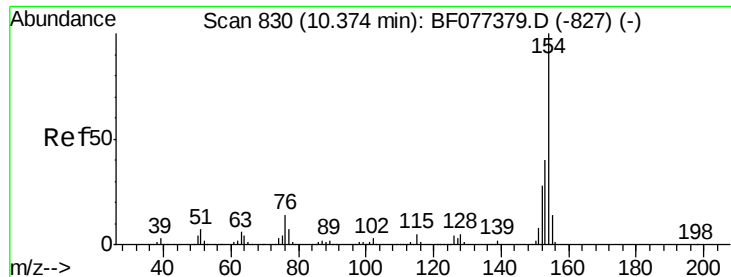
Tgt Ion	Ratio	Lower	Upper
172	100		
171	47.9	28.9	43.3#
170	0.0	19.4	29.2#

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



Time-->





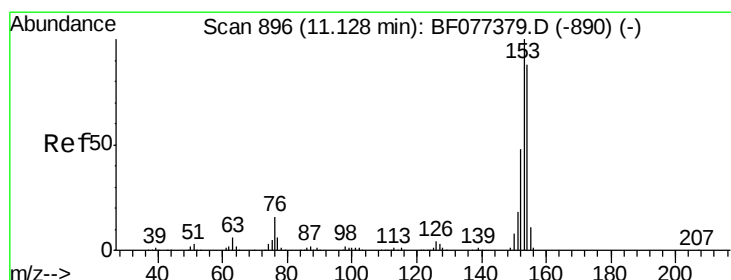
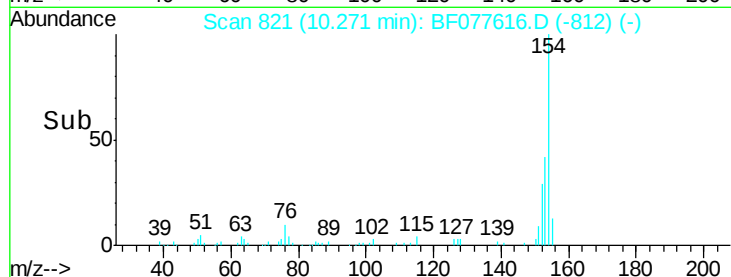
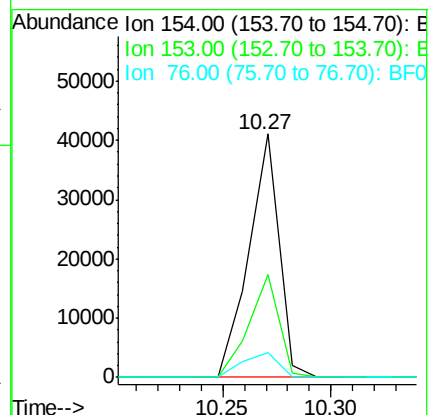
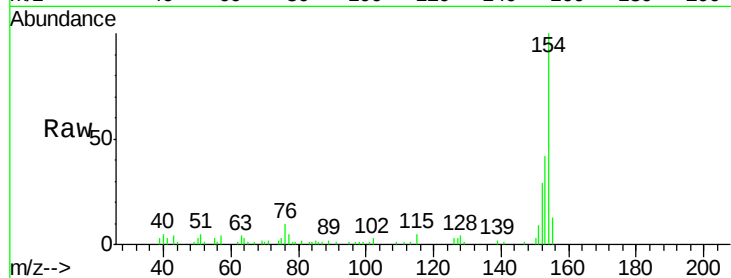
#45
1,1'-Biphenyl
Concen: 3.21 ng
RT: 10.27 min Scan# 821
Delta R.T. -0.00 min
Lab File: BF077616.D
Acq: 5 Mar 2015 10:13

Instrument :
BNA_F
ClientSampleId :
MW44DL2

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.2	20.2	60.2
76	10.4	0.0	29.4

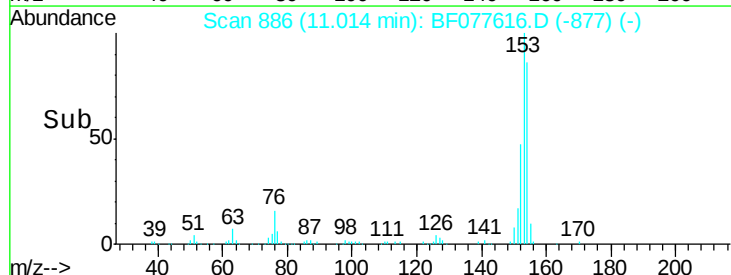
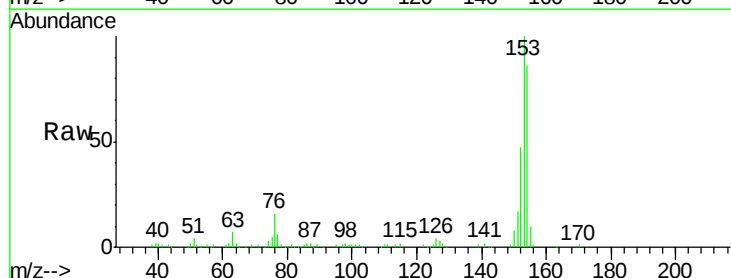
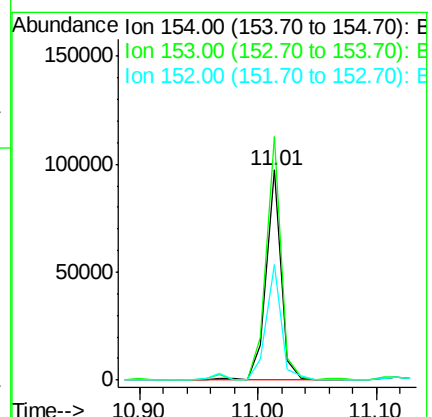
Manual Integrations
APPROVED

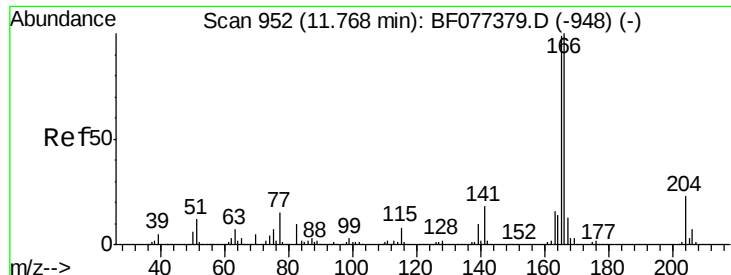
apatel
3/6/2015 10:57:48 AM



#51
Acenaphthene
Concen: 9.42 ng
RT: 11.01 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF077616.D
Acq: 5 Mar 2015 10:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.9	90.5	135.7
152	54.9	43.5	65.3





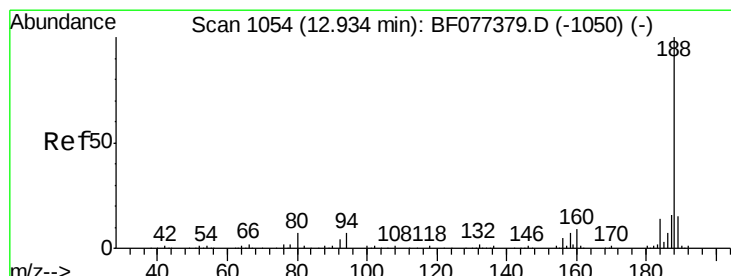
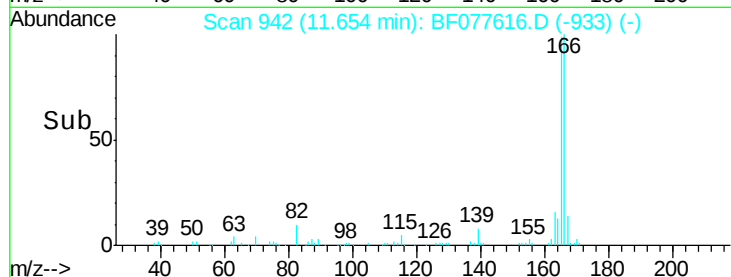
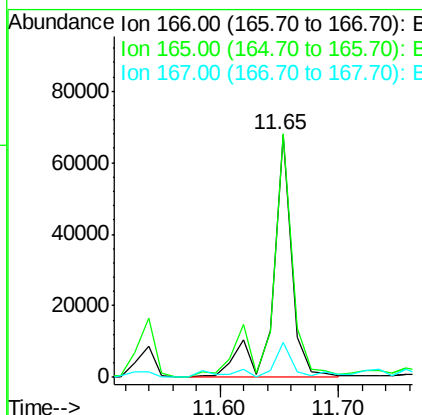
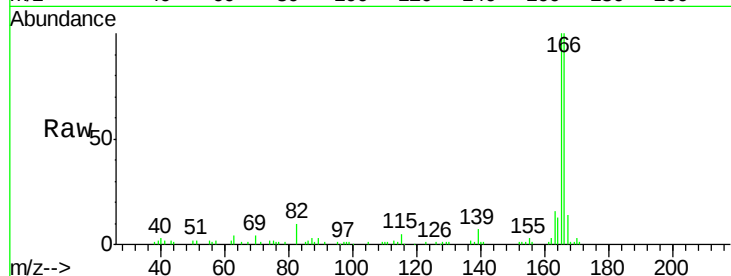
#57
Fluorene
 Concen: 6.76 ng
 RT: 11.65 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: BF077616.D
 Acq: 5 Mar 2015 10:13

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.3	77.6	116.4
167	14.2	10.6	16.0

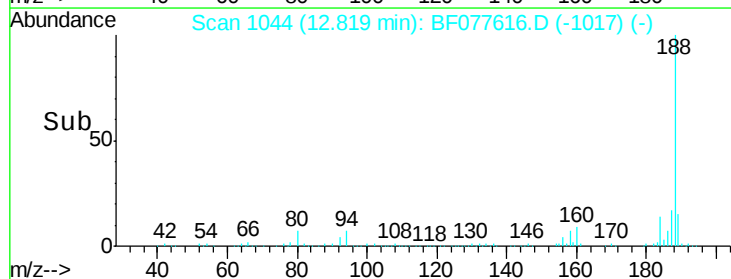
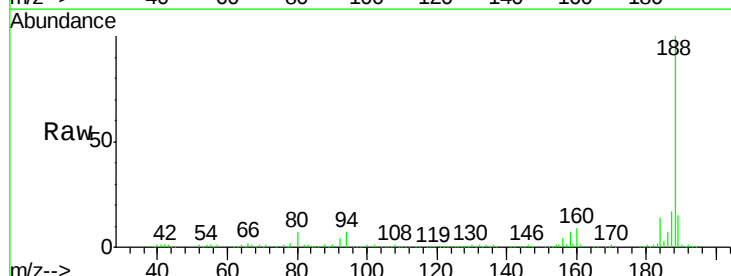
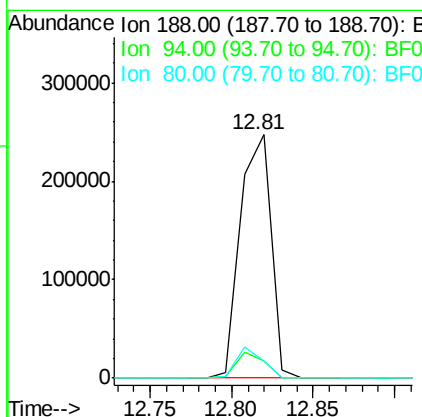
Manual Integrations
 APPROVED

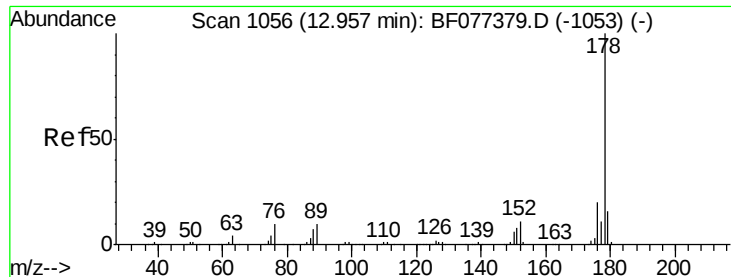
apatel
 3/6/2015 10:57:48 AM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.81 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: BF077616.D
 Acq: 5 Mar 2015 10:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	7.4	11.2#
80	7.2	8.0	12.0#





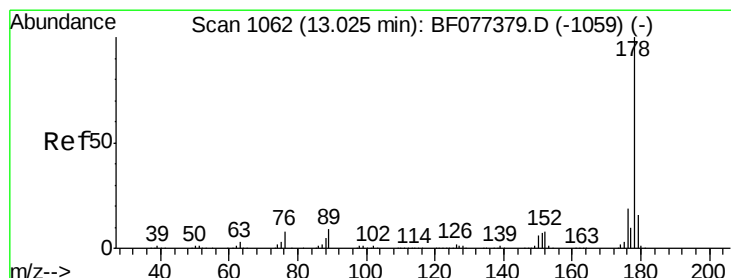
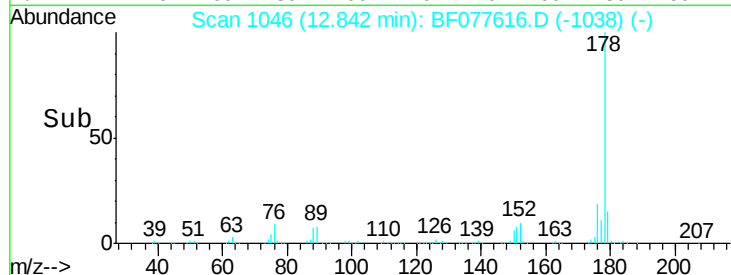
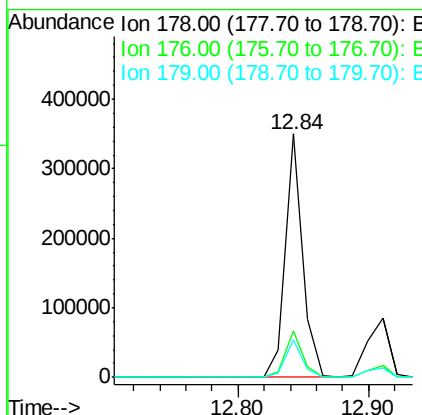
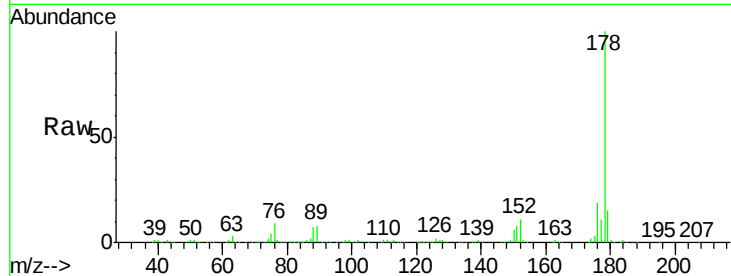
#70
Phenanthrene
Concen: 17.51 ng
RT: 12.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF077616.D
Acq: 5 Mar 2015 10:13

Instrument :
BNA_F
ClientSampleId :
MW44DL2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.5	12.2	18.2

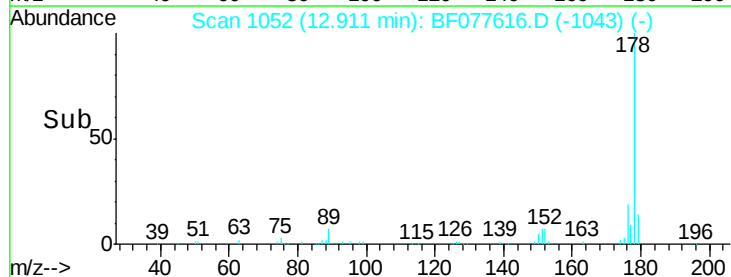
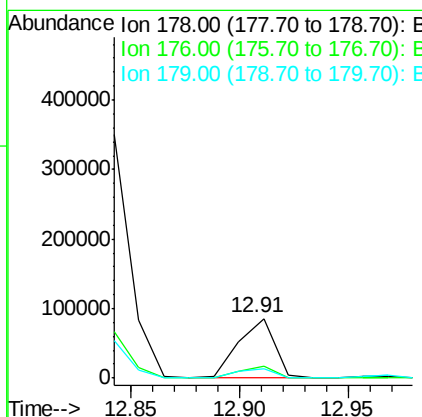
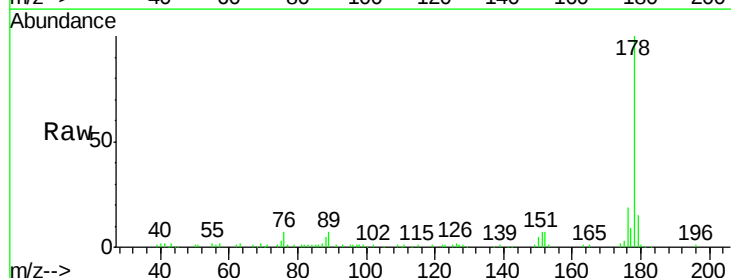
Manual Integrations
APPROVED

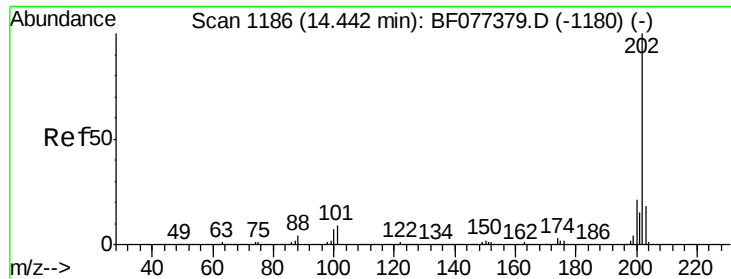
apatel
3/6/2015 10:57:48 AM



#71
Anthracene
Concen: 5.21 ng
RT: 12.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF077616.D
Acq: 5 Mar 2015 10:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.0	12.9	19.3





#74

Fluoranthene

Concen: 6.31 ng

RT: 14.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: BF077616.D

Acq: 5 Mar 2015 10:13

Instrument :

BNA_F

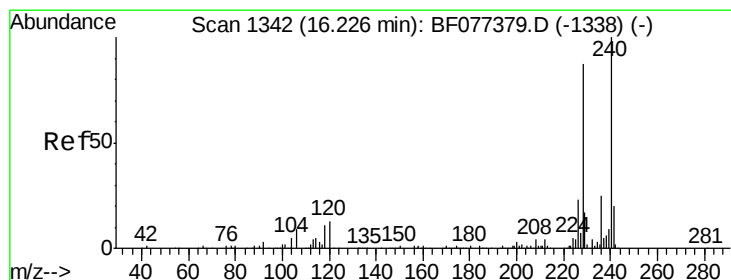
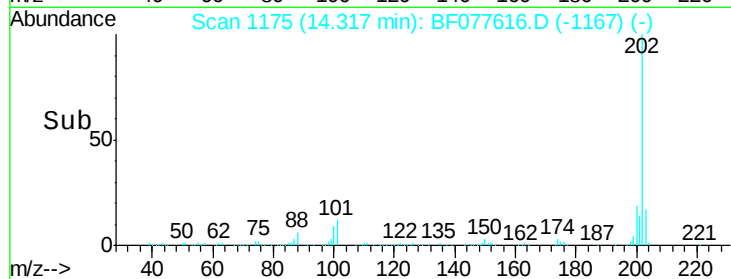
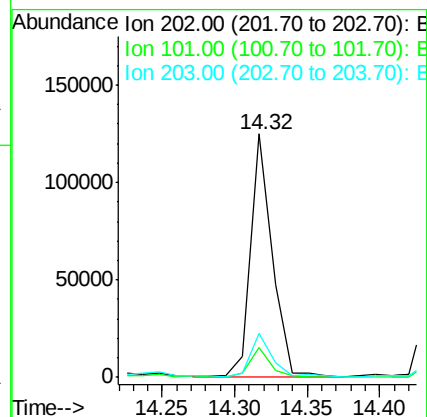
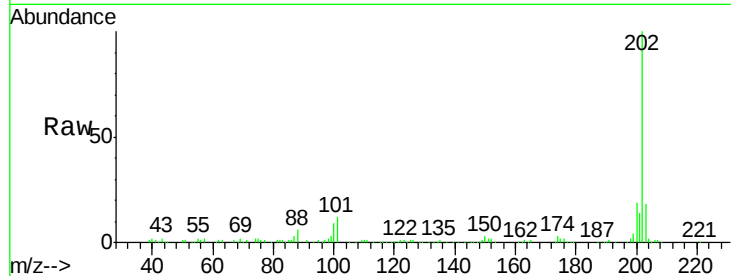
ClientSampleId :

MW44DL2

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		128507		
101	12.3	0.0	30.8		
203	17.8	0.0	37.7		

Manual Integrations
APPROVED

apatel
3/6/2015 10:57:48 AM



#75

Chrysene-d12

Concen: 20.00 ng

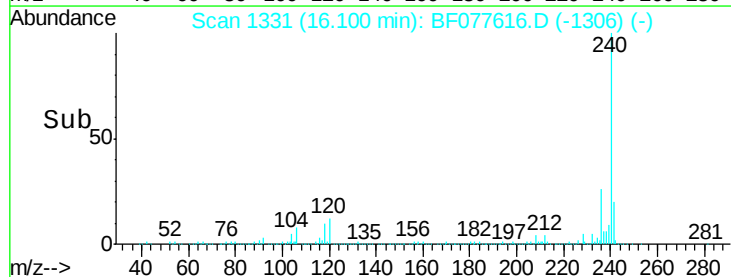
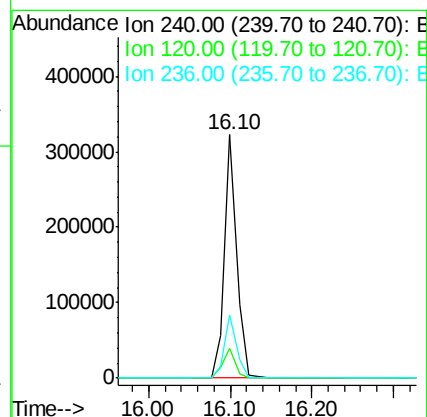
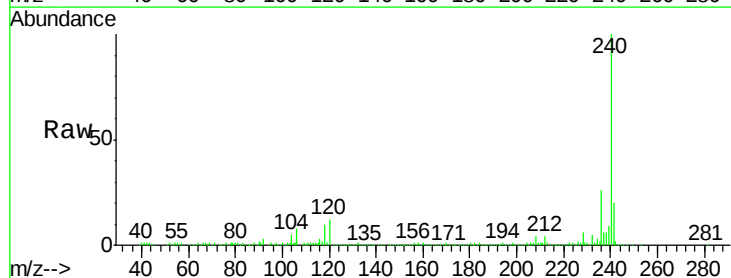
RT: 16.10 min Scan# 1331

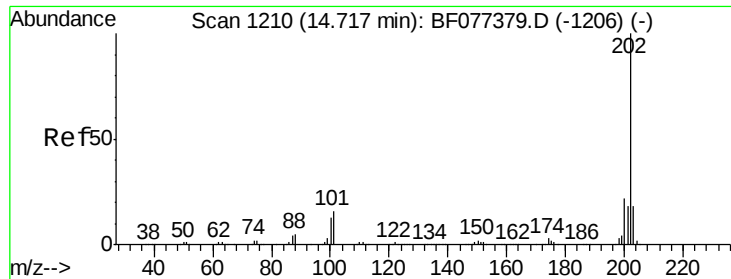
Delta R.T. -0.01 min

Lab File: BF077616.D

Acq: 5 Mar 2015 10:13

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		334251		
120	12.2	8.8	13.2		
236	25.8	20.7	31.1		





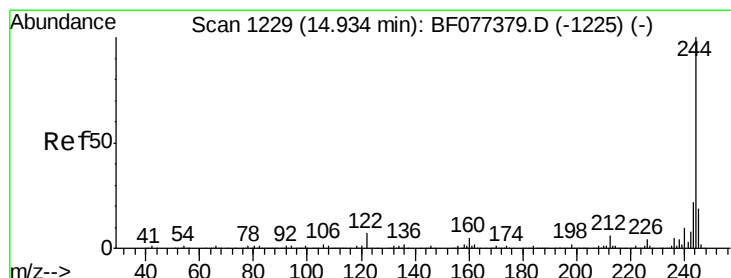
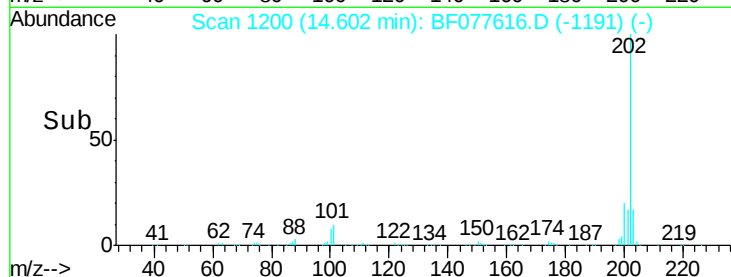
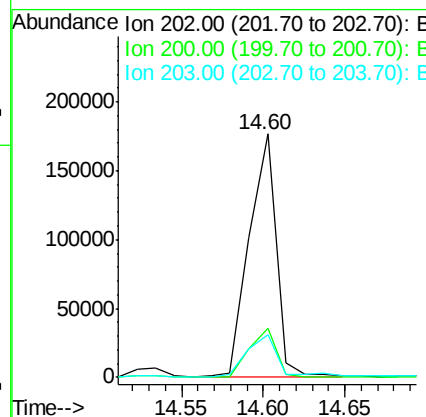
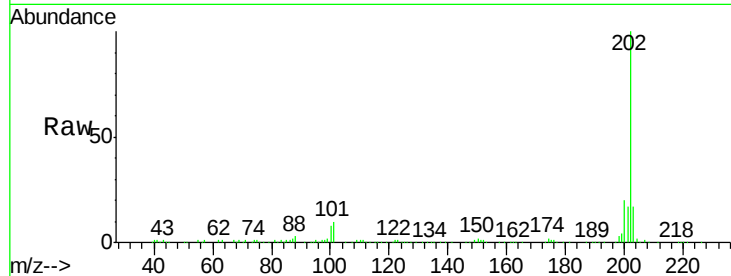
#77
 Pyrene
 Concen: 9.83 ng
 RT: 14.60 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF077616.D
 Acq: 5 Mar 2015 10:13

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.1	17.1	25.7
203	17.3	14.2	21.2

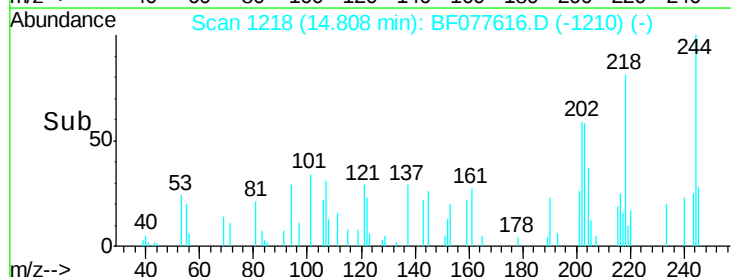
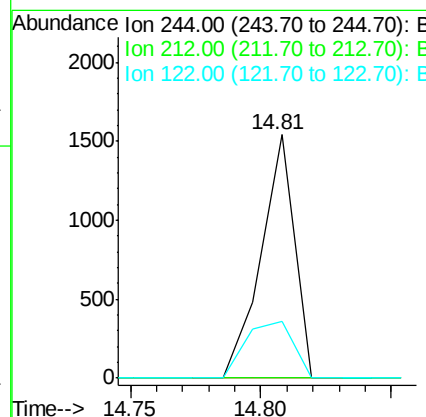
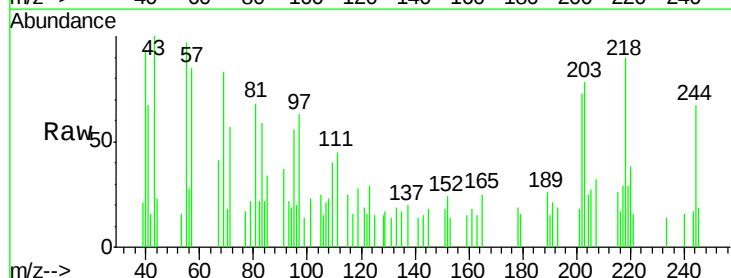
Manual Integrations
 APPROVED

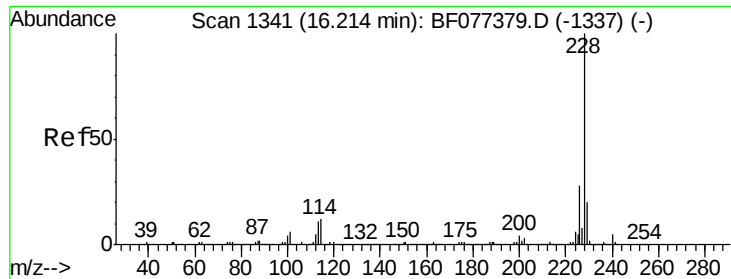
apatel
 3/6/2015 10:57:48 AM



#78
 Terphenyl-d14
 Concen: 0.10 ng
 RT: 14.81 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF077616.D
 Acq: 5 Mar 2015 10:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	0.0	5.2	7.8#
122	23.5	7.8	11.8#





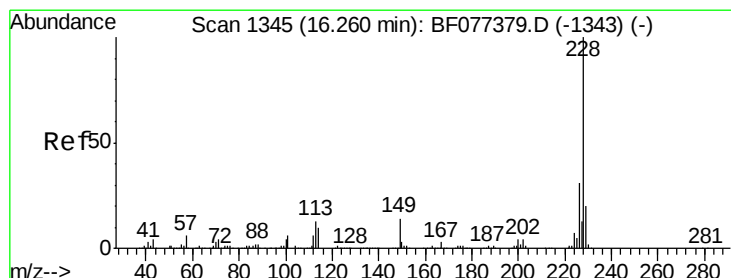
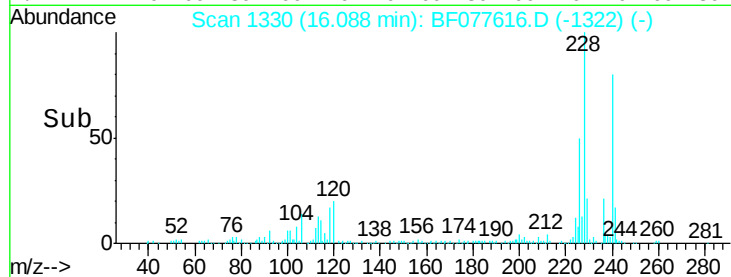
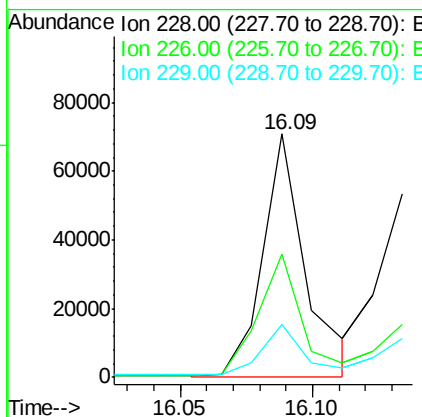
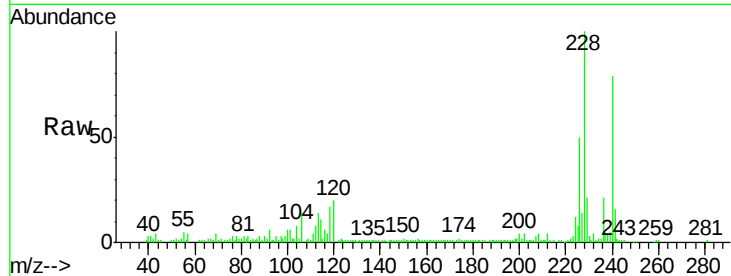
#80
Benzo(a)anthracene
Concen: 4.11 ng m
RT: 16.09 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF077616.D
Acq: 5 Mar 2015 10:13

Instrument :
BNA_F
ClientSampleId :
MW44DL2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	50.5	22.0	33.0#
229	21.5	15.8	23.8

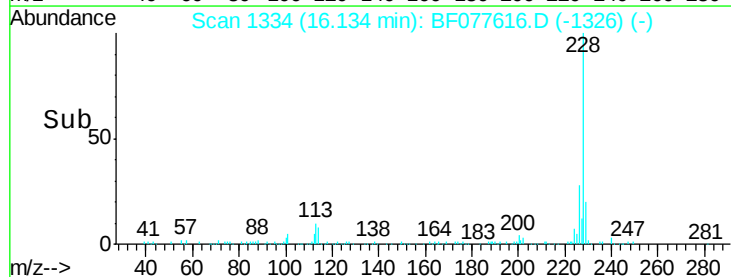
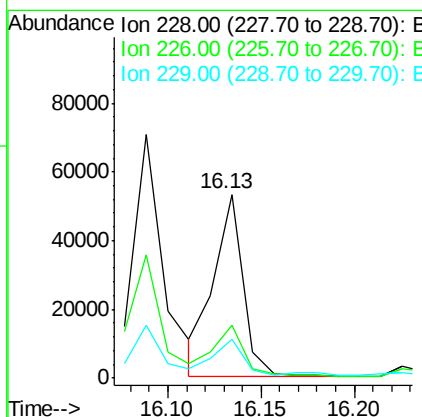
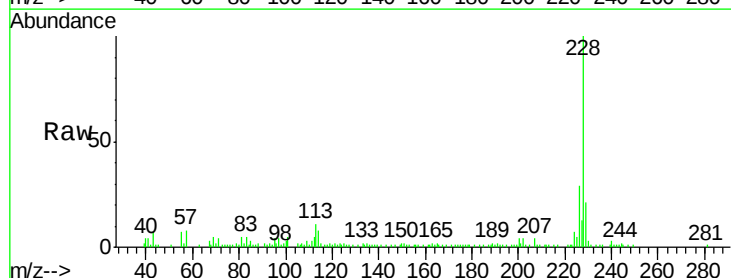
Manual Integrations
APPROVED

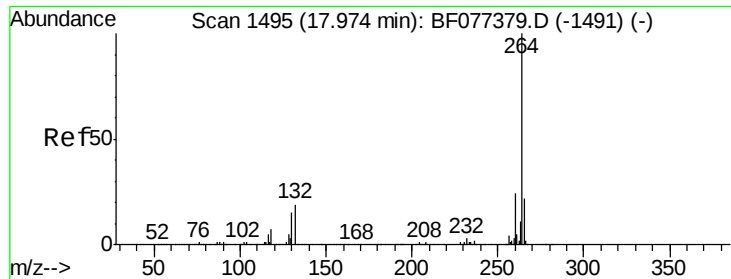
apatel
3/6/2015 10:57:48 AM



#82
Chrysene
Concen: 3.13 ng
RT: 16.13 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF077616.D
Acq: 5 Mar 2015 10:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	20.9	16.4	24.6





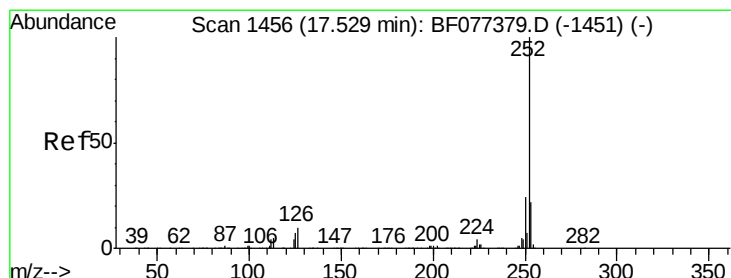
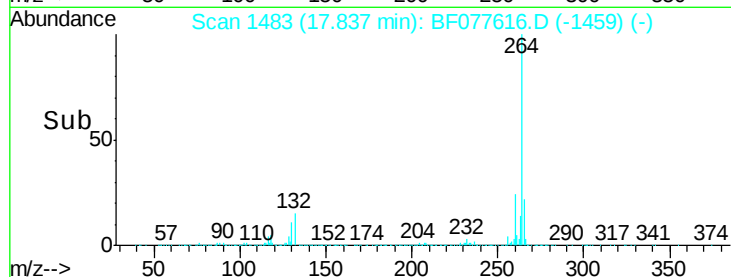
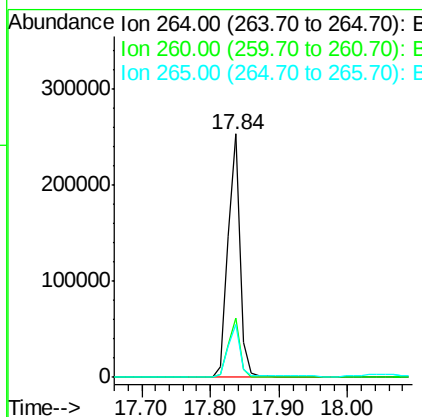
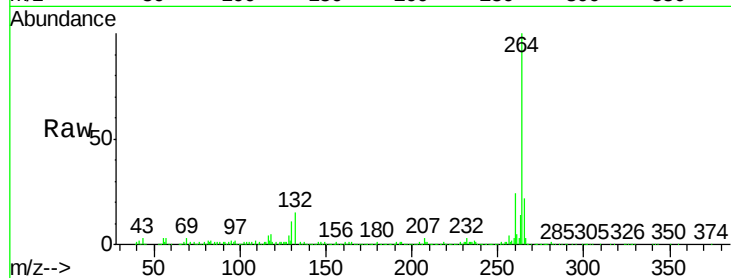
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.84 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BF077616.D
Acq: 5 Mar 2015 10:13

Instrument :
BNA_F
ClientSampleId :
MW44DL2

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	316780		
260	24.1	19.3	28.9	
265	21.7	16.8	25.2	

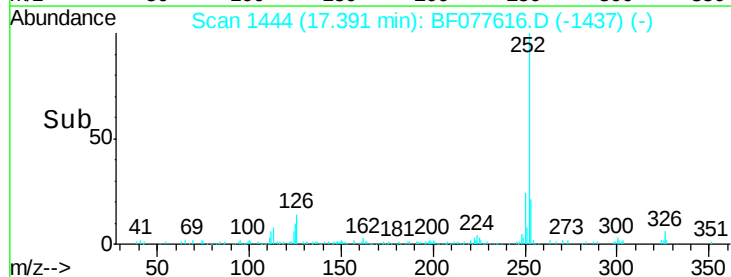
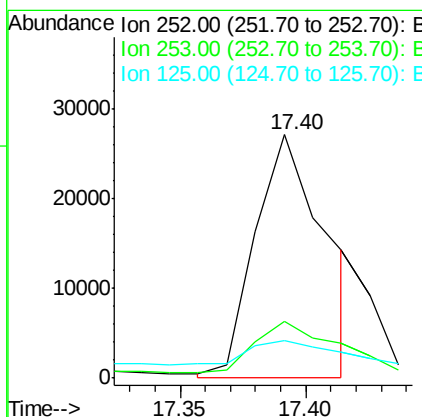
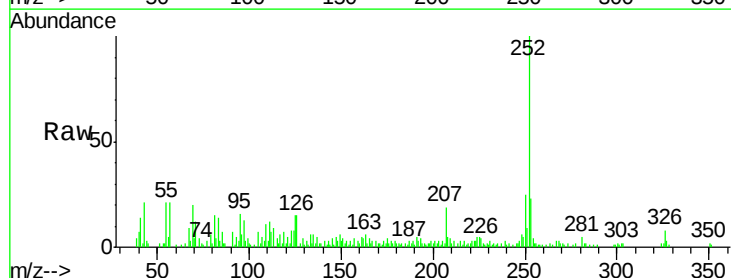
Manual Integrations
APPROVED

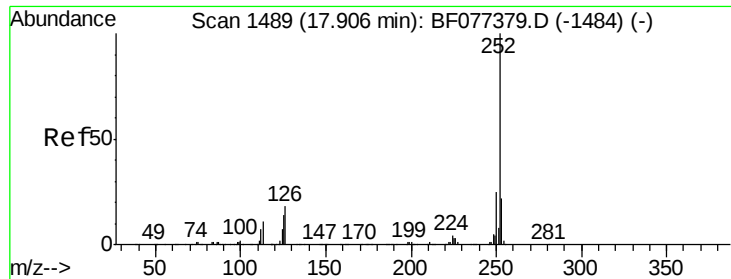
apatel
3/6/2015 10:57:48 AM



#87
Benzo(b)fluoranthene
Concen: 2.87 ng m
RT: 17.39 min Scan# 1444
Delta R.T. -0.02 min
Lab File: BF077616.D
Acq: 5 Mar 2015 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	52844		
253	23.2	17.6	26.4	
125	15.4	5.4	8.2	





#89
 Benzo(a)pyrene
 Concen: 2.94 ng
 RT: 17.77 min Scan# 1477
 Delta R.T. -0.03 min
 Lab File: BF077616.D
 Acq: 5 Mar 2015 10:13

Instrument :
 BNA_F
 ClientSampleId :
 MW44DL2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	15.4	8.3	12.5

Manual Integrations
 APPROVED

apatel
 3/6/2015 10:57:48 AM

