

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061115\
 Data File : BF079911.D
 Acq On : 12 Jun 2015 00:29
 Operator : TP/IZ
 Sample : G2449-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FM1A

Manual Integrations
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apatel
 6/13/2015 8:44:21 AM

Quant Time: Jun 12 05:22:44 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 00:59:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	56367	20.00	ng	0.00
21) Naphthalene-d8	8.68	136	221842	20.00	ng	0.00
38) Acenaphthene-d10	10.46	164	115155	20.00	ng	0.00
63) Phenanthrene-d10	11.96	188	256772	20.00	ng	-0.01
75) Chrysene-d12	14.90	240	281849	20.00	ng	-0.09
86) Perylene-d12	16.79	264	287178	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	6.01	112	270345	80.36	ng	0.01
7) Phenol-d6	6.99	99	386914	87.92	ng	0.00
23) Nitrobenzene-d5	7.94	82	188717	50.60	ng	-0.01
41) 2,4,6-Tribromophenol	11.26	330	83888	81.62	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	413066	50.55	ng	0.00
78) Terphenyl-d14	13.65	244	475411	38.33	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.71	128	35323	2.98	ng	98
49) Dimethylphthalate	10.15	163	44749	4.93	ng	# 99
51) Acenaphthene	10.49	154	26341	3.40	ng	99
54) Dibenzofuran	10.66	168	31716	2.91	ng	97
57) Fluorene	11.00	166	29109	3.00	ng	# 96
70) Phenanthrene	11.99	178	595648	38.43	ng	99
71) Anthracene	12.04	178	124111	8.29	ng	98
72) Carbazole	12.19	167	56140	3.97	ng	99
74) Fluoranthene	13.25	202	813045	49.90	ng	99
77) Pyrene	13.50	202	750617	43.01	ng	99
80) Benzo(a)anthracene	14.89	228	347979	20.79	ng	96
82) Chrysene	14.94	228	341579m	21.75	ng	
85) Indeno(1,2,3-cd)pyrene	18.69	276	227808	13.60	ng	94
87) Benzo(b)fluoranthene	16.24	252	378097m	22.14	ng	
88) Benzo(k)fluoranthene	16.25	252	196631m	11.06	ng	
89) Benzo(a)pyrene	16.71	252	314810	19.52	ng	97
90) Dibenzo(a,h)anthracene	18.71	278	64562	4.33	ng	97
91) Benzo(g,h,i)perylene	19.27	276	233705	14.82	ng	97

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

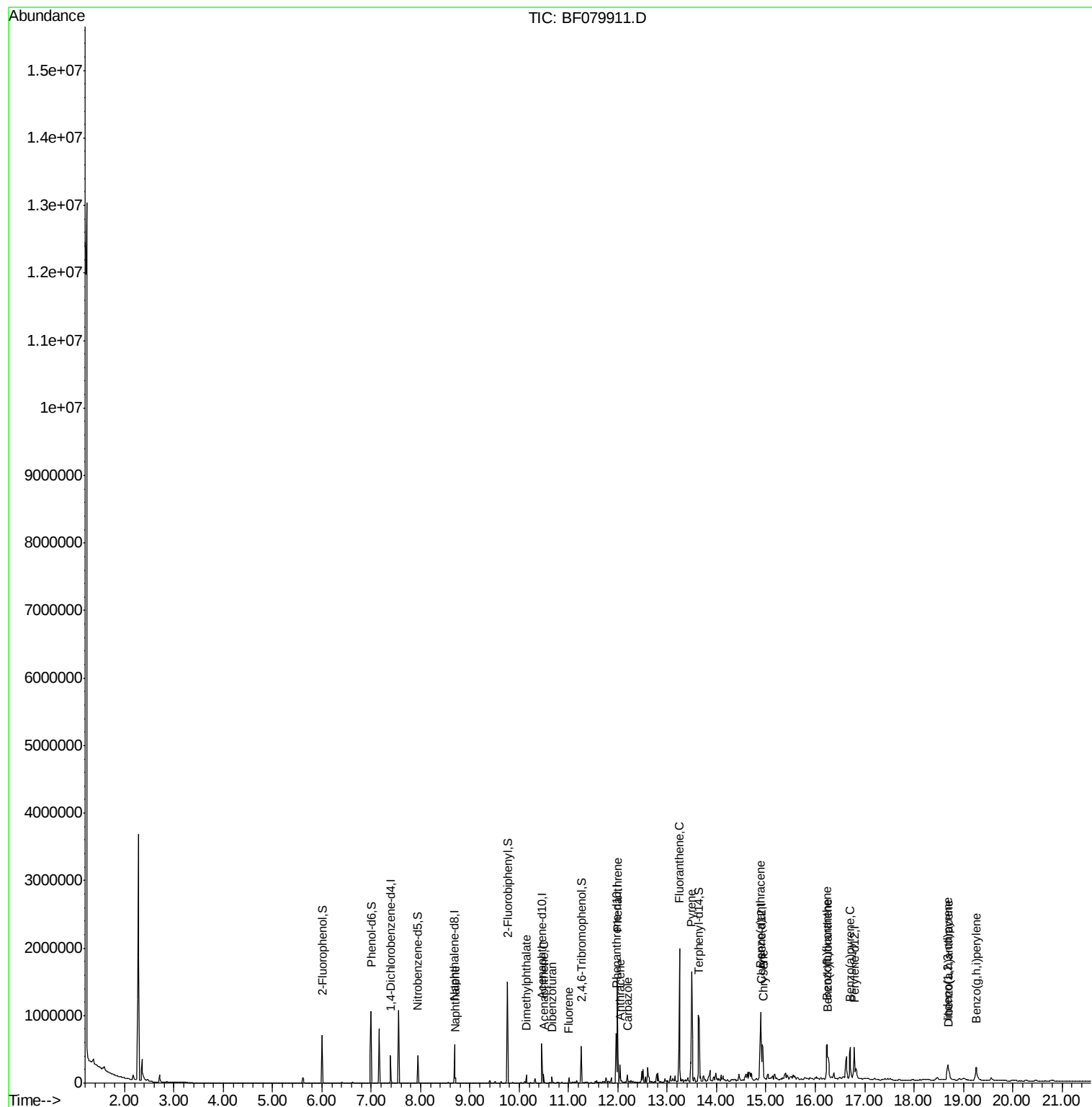
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061115\
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ALS Vial : 22 Sample Multiplier: 1

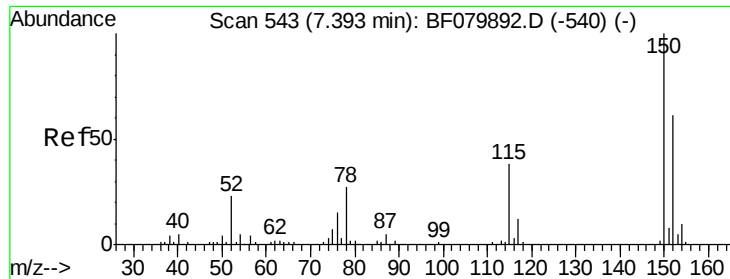
Instrument :
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#1

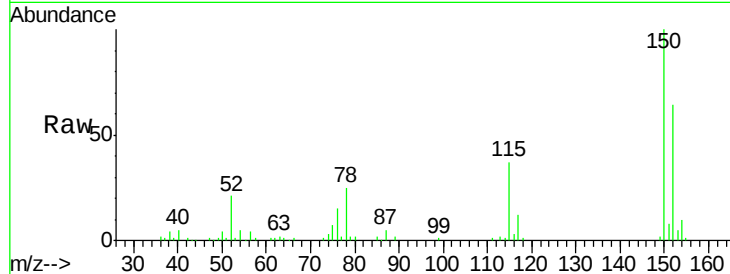
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 543
Delta R.T. -0.00 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Instrument :
BNA_F
ClientSampled :
FM1A

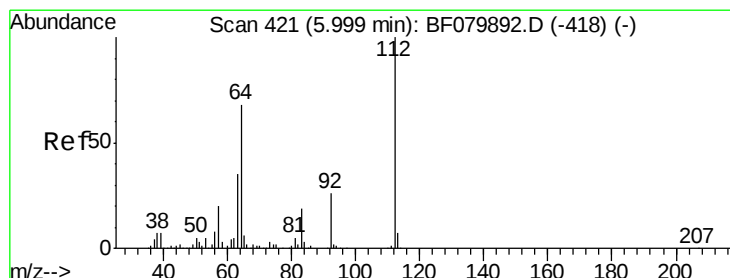
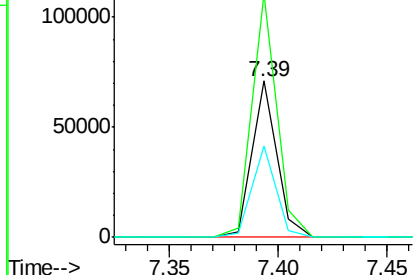
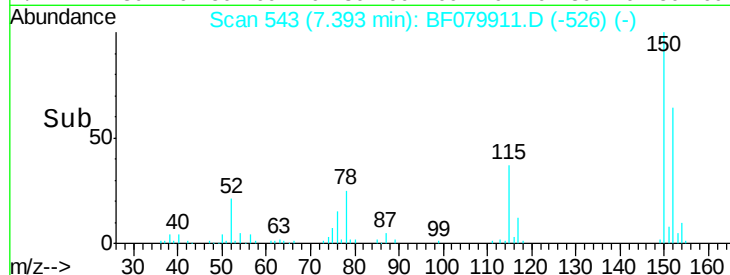
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	131.0	196.4
115	58.2	49.8	74.6

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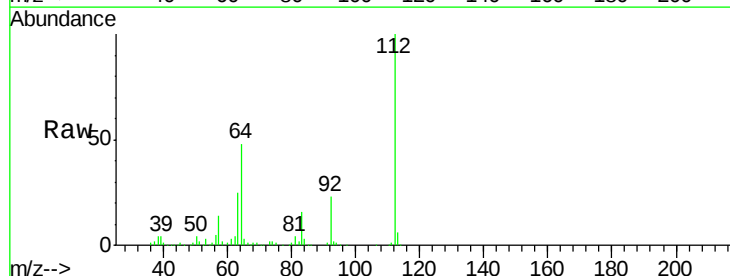
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



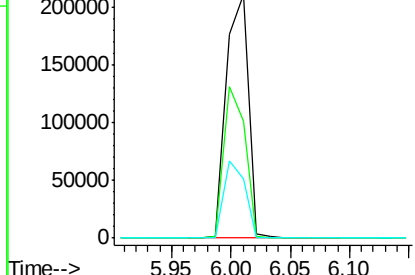
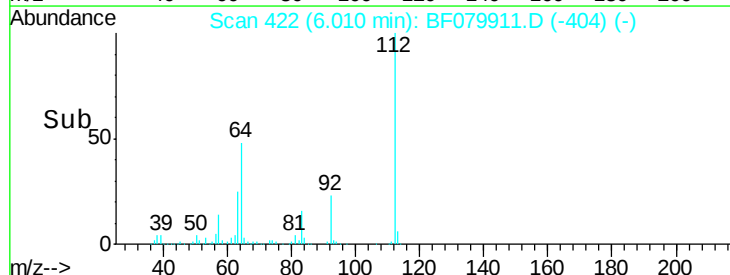
#5

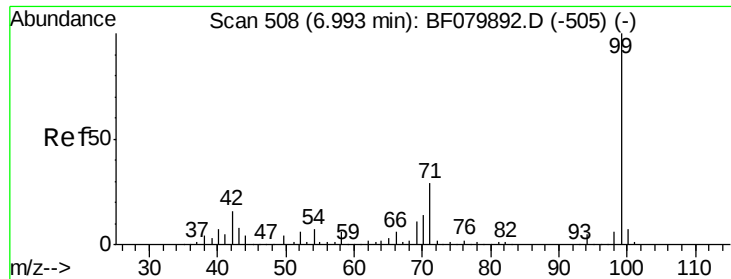
2-Fluorophenol
Concen: 80.36 ng
RT: 6.01 min Scan# 422
Delta R.T. 0.01 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.9	54.5	81.7#
63	24.6	27.9	41.9#



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: 87.92 ng

RT: 6.99 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

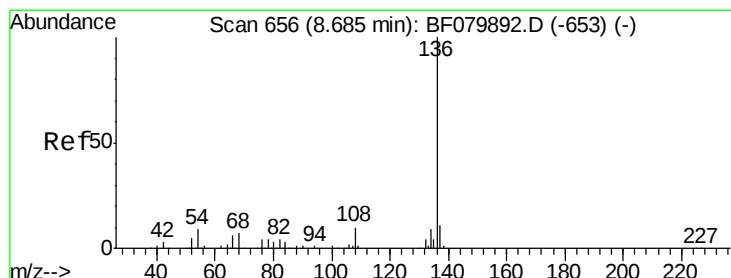
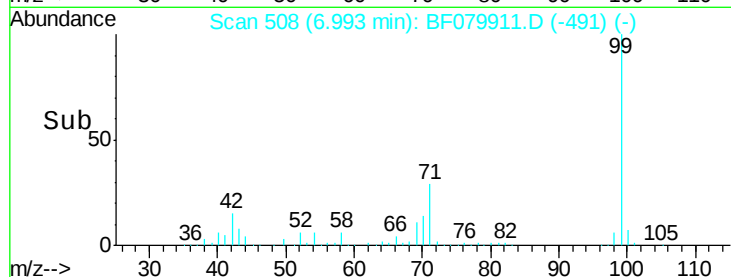
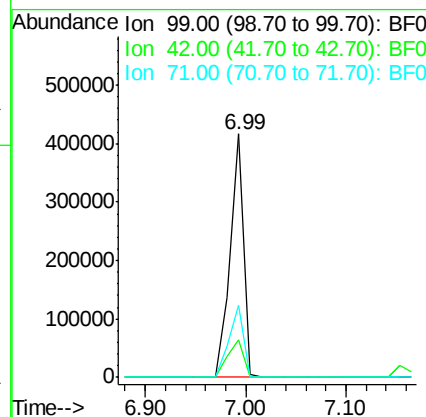
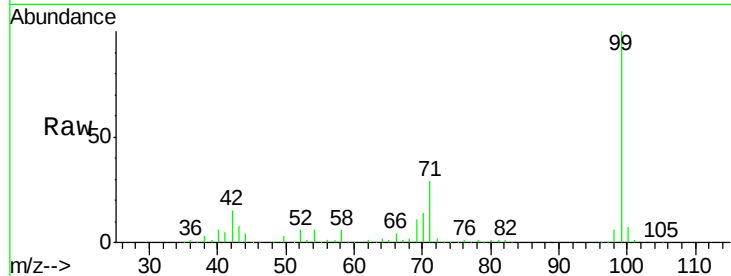
ClientSampled :

FM1A

Tot Ion:	99	Resp:	386914
Ion Ratio	Lower	Upper	
99	100		
42	15.2	12.9	19.3
71	29.4	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

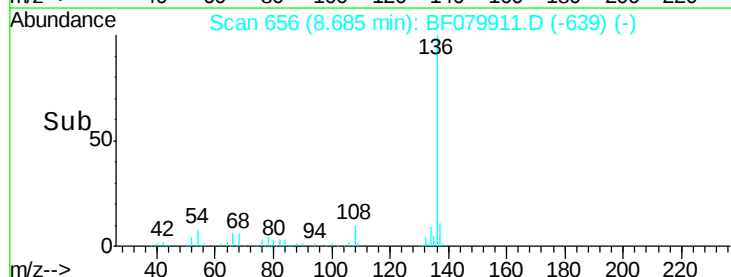
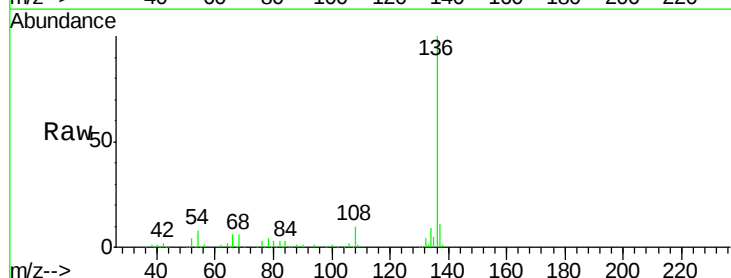
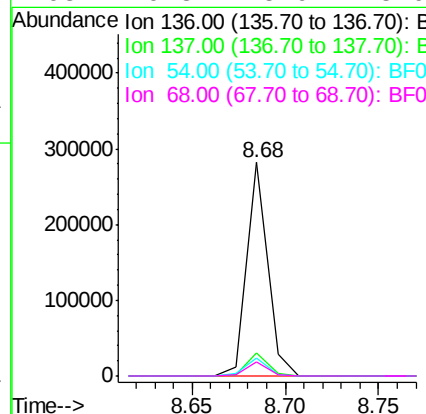
RT: 8.68 min Scan# 656

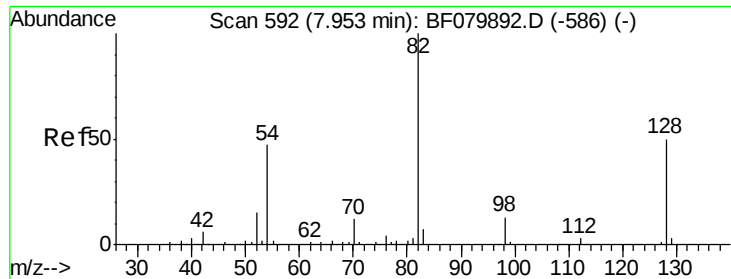
Delta R.T. -0.00 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Tgt Ion:	136	Resp:	221842
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	8.5	7.3	10.9
68	6.3	5.9	8.9





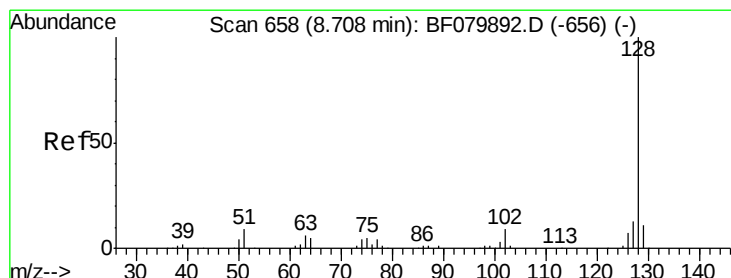
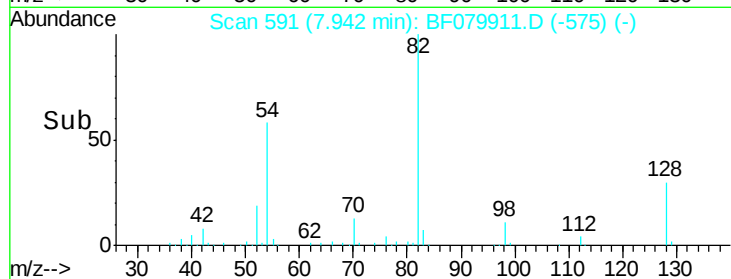
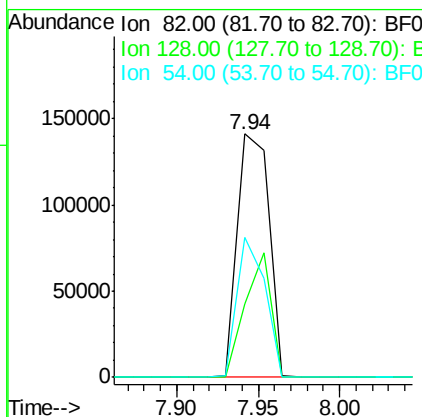
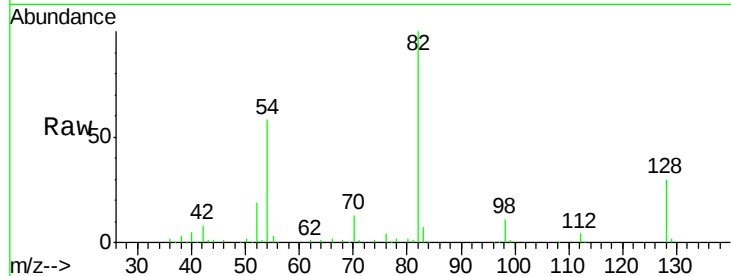
#23
Nitrobenzene-d5
Concen: 50.60 ng
RT: 7.94 min Scan# 591
Delta R.T. -0.01 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Instrument :
BNA_F
ClientSampled :
FM1A

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	30.4	40.3	60.5#
54	57.6	38.0	57.0#

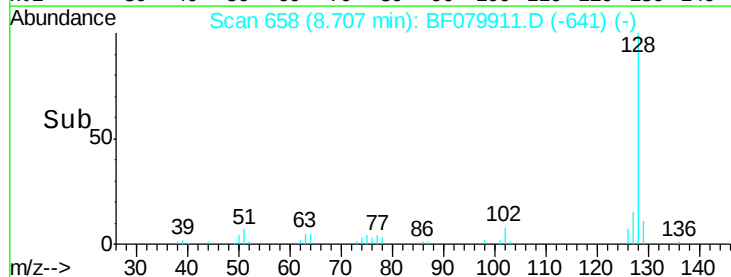
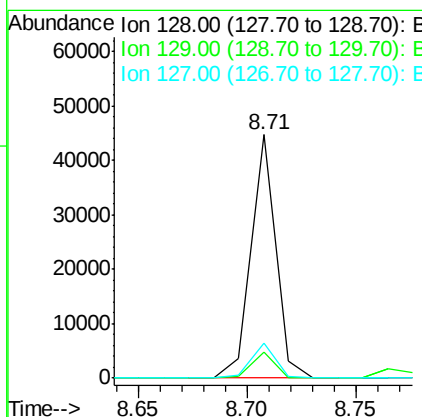
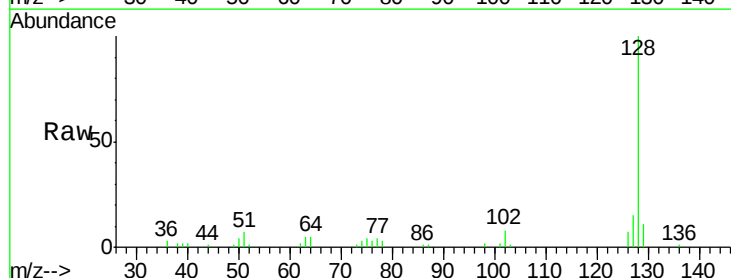
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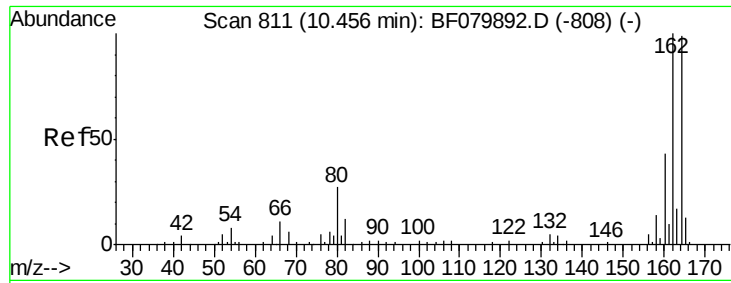
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#31
Naphthalene
Concen: 2.98 ng
RT: 8.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.8	8.8	13.2
127	14.6	10.5	15.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.46 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

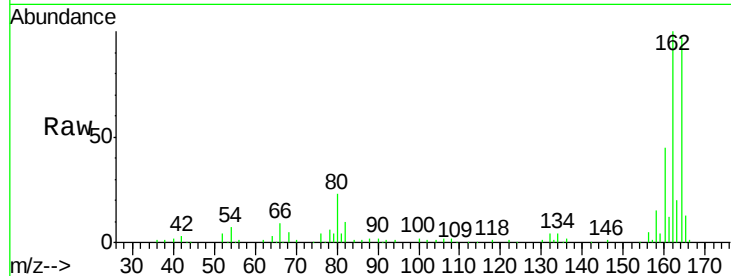
ClientSampleId :

FM1A

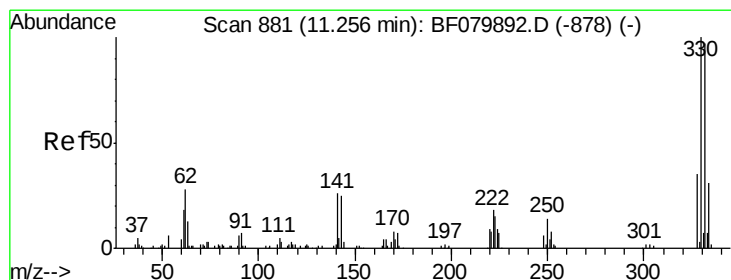
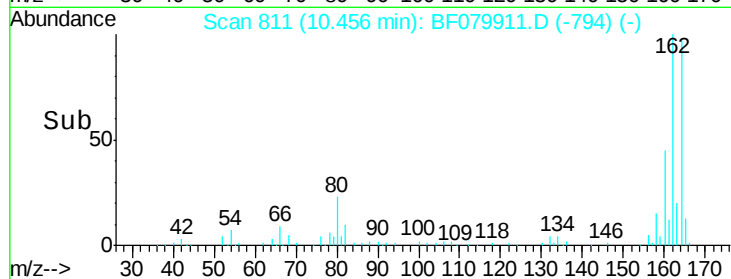
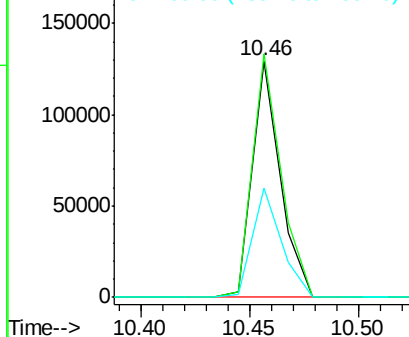
Tot Ion:	164	Resp:	115155
Ion Ratio	Lower	Upper	
164	100		
162	103.1	80.7	121.1
160	46.0	34.6	51.8

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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: 81.62 ng

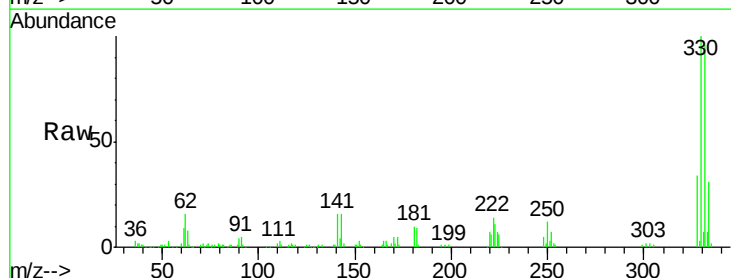
RT: 11.26 min Scan# 881

Delta R.T. -0.00 min

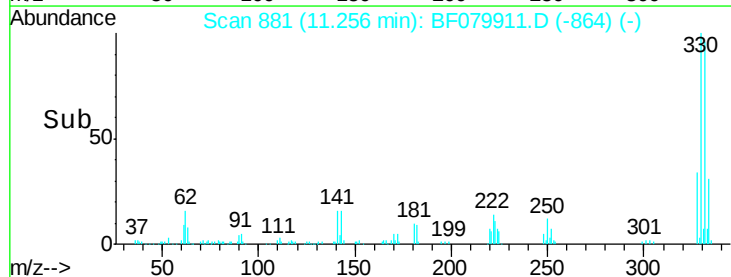
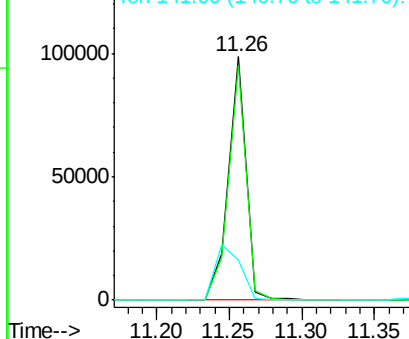
Lab File: BF079911.D

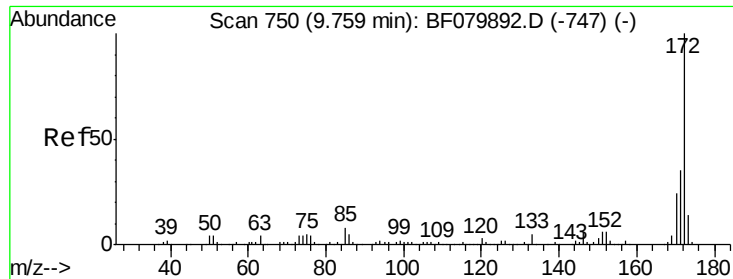
Acq: 12 Jun 2015 00:29

Tgt Ion:	330	Resp:	83888
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.3	115.9
141	32.3	26.8	40.2



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





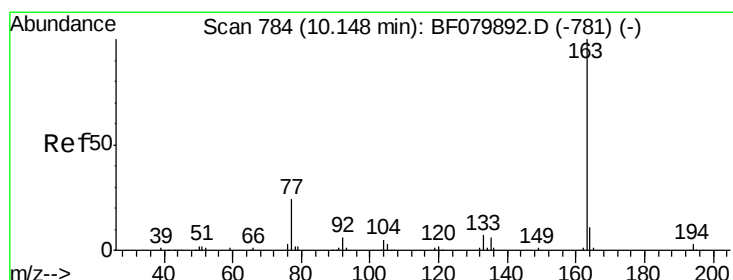
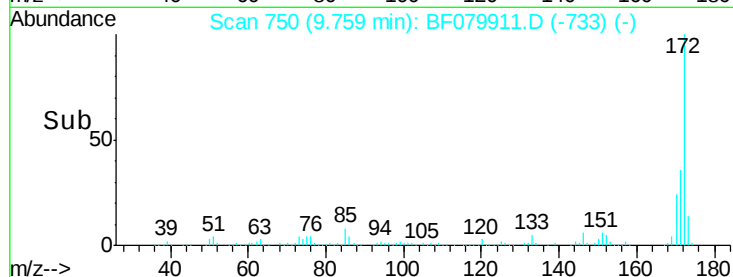
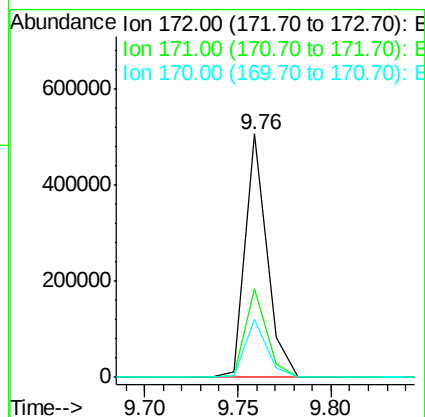
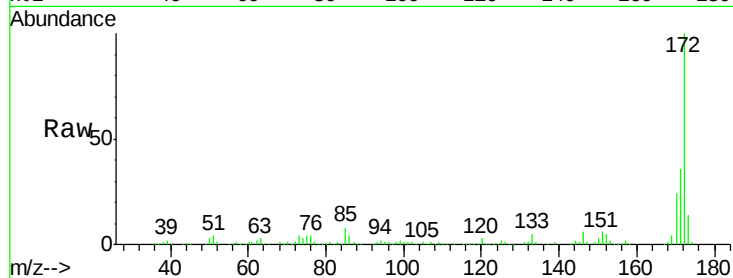
#44
2-Fluorobiphenyl
Concen: 50.55 ng
RT: 9.76 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Instrument :
BNA_F
ClientSampleId :
FM1A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.3	42.5
170	23.9	19.0	28.4

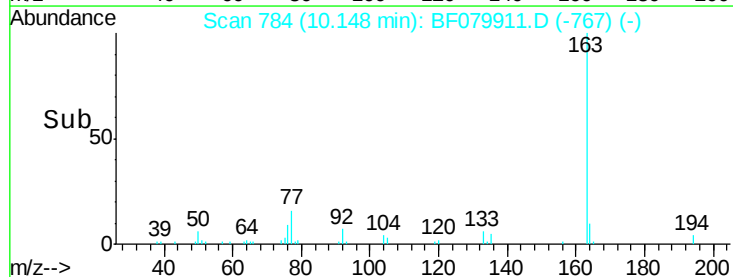
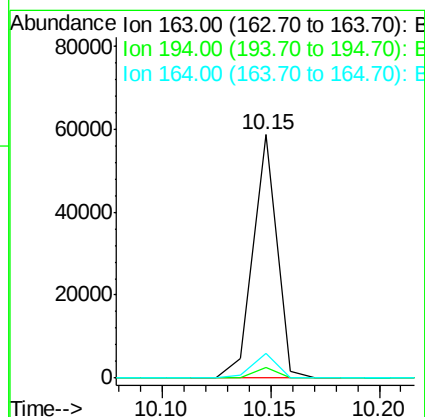
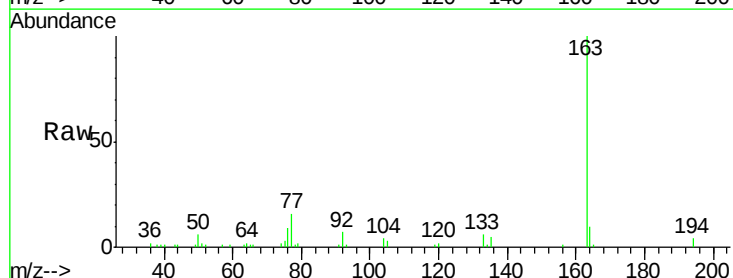
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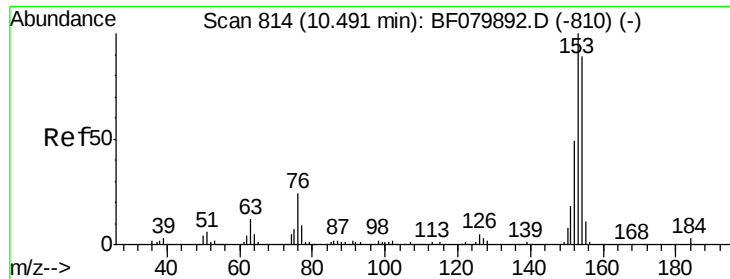
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#49
Dimethylphthalate
Concen: 4.93 ng
RT: 10.15 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.6	4.0#
164	10.4	8.6	12.8





#51

Acenaphthene

Concen: 3.40 ng

RT: 10.49 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

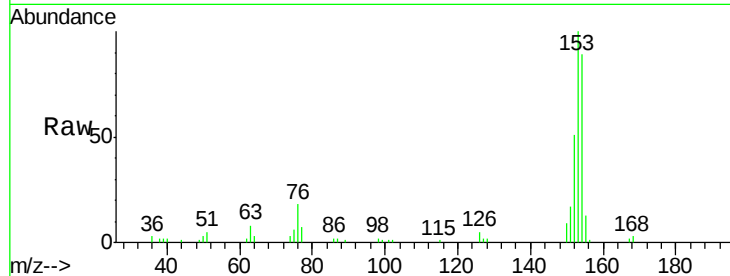
ClientSampleId :

FM1A

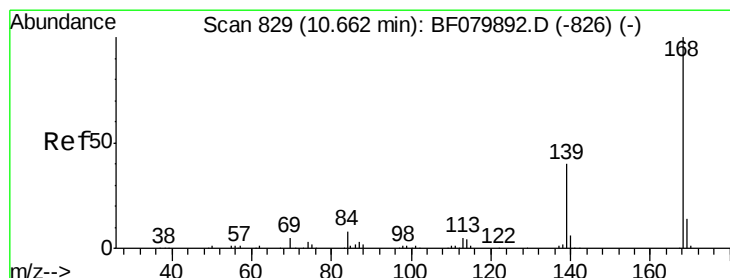
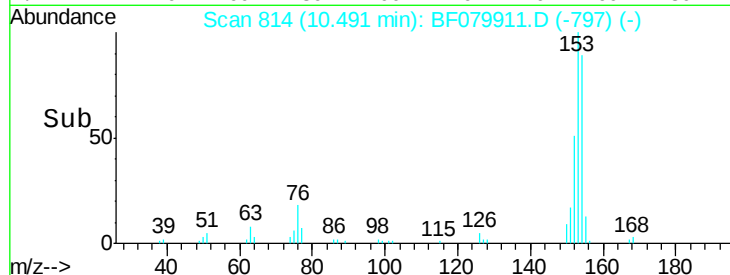
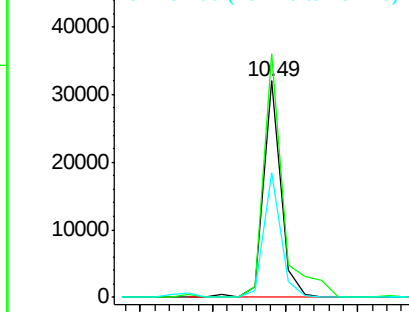
Tot Ion:	154	Resp:	26341
Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.0	135.0
152	57.6	43.7	65.5

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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

Dibenzofuran

Concen: 2.91 ng

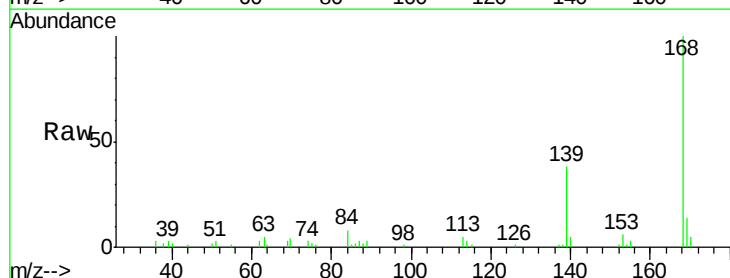
RT: 10.66 min Scan# 829

Delta R.T. -0.00 min

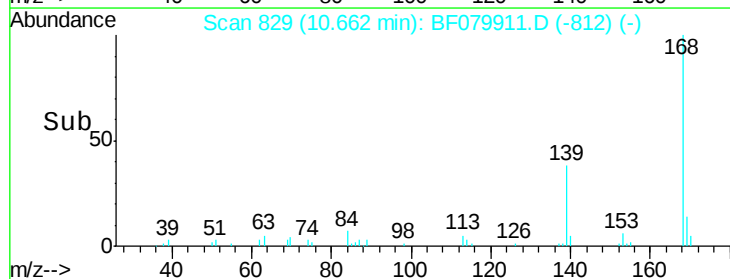
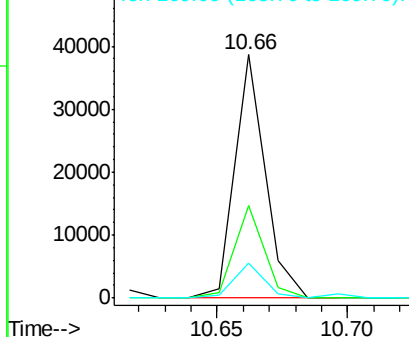
Lab File: BF079911.D

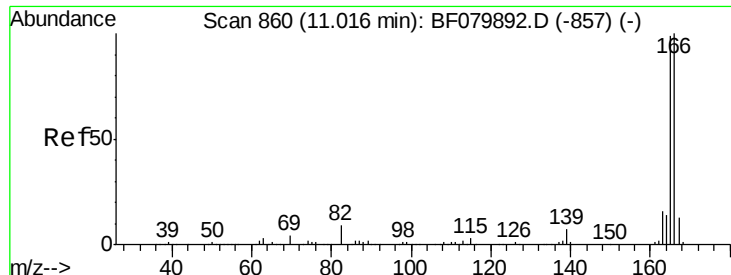
Acq: 12 Jun 2015 00:29

Tgt Ion:	168	Resp:	31716
Ion	Ratio	Lower	Upper
168	100		
139	38.1	32.2	48.2
169	14.4	11.0	16.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





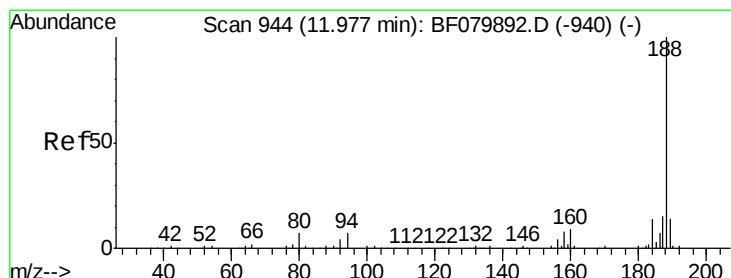
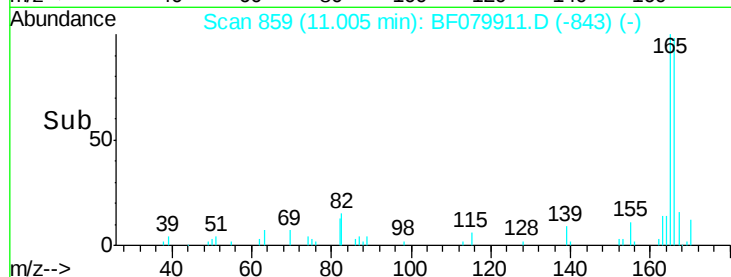
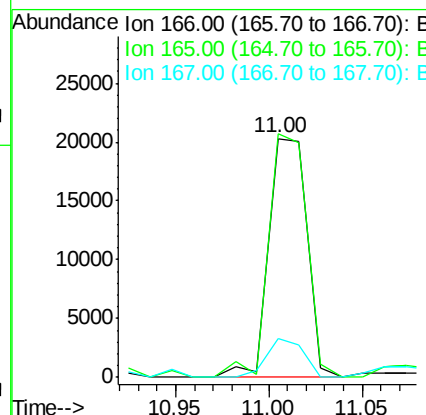
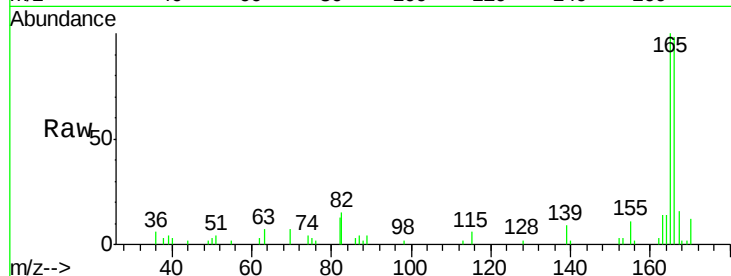
#57
Fluorene
 Concen: 3.00 ng
 RT: 11.00 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: BF079911.D
 Acq: 12 Jun 2015 00:29

Instrument :
 BNA_F
 ClientSampleID :
 FM1A

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.9	79.0	118.6
167	16.5	10.3	15.5#

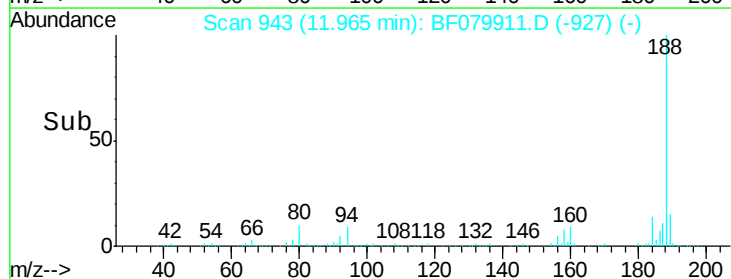
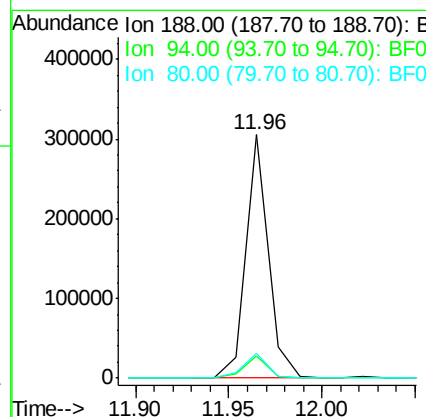
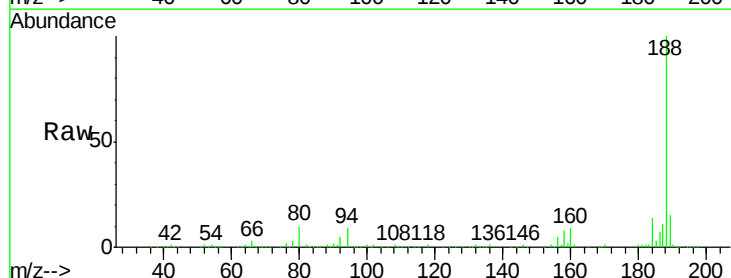
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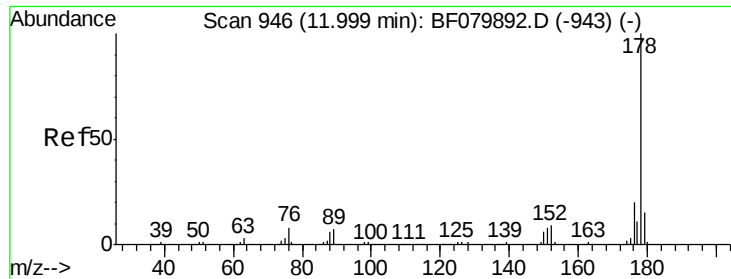
apatel
 6/13/2015 8:44:21 AM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.96 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF079911.D
 Acq: 12 Jun 2015 00:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	5.8	8.8#
80	10.0	5.9	8.9#





#70

Phenanthrene

Concen: 38.43 ng

RT: 11.99 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

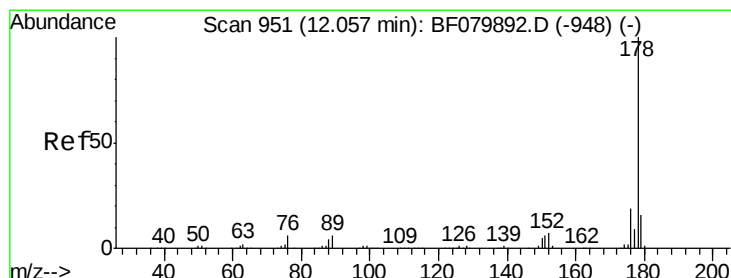
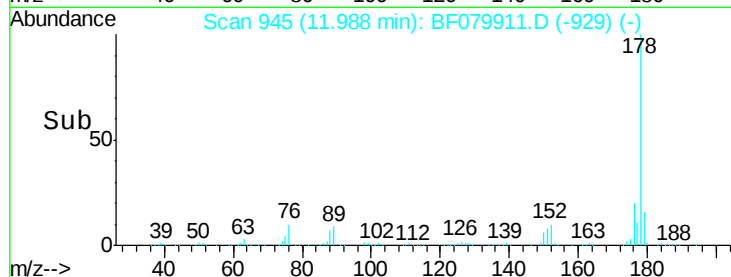
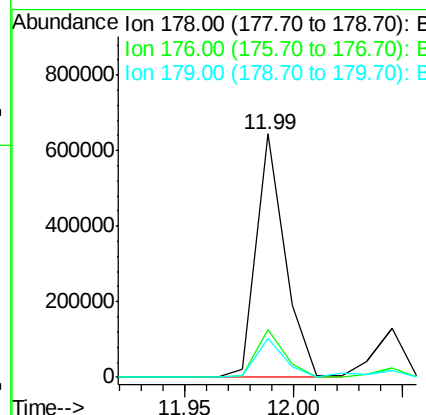
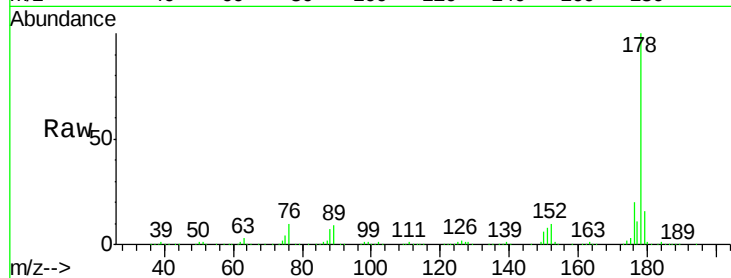
ClientSampleId :

FM1A

Tot Ion:	178	Resp:	595648
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.9	23.9
179	16.1	12.3	18.5

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#71

Anthracene

Concen: 8.29 ng

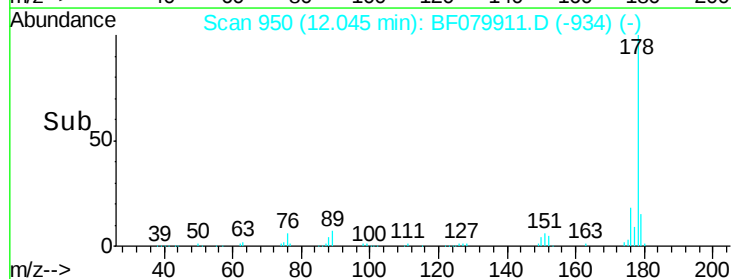
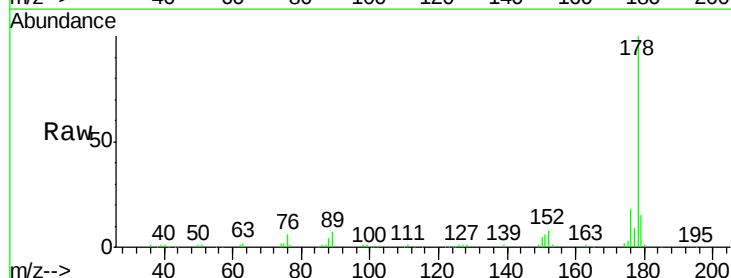
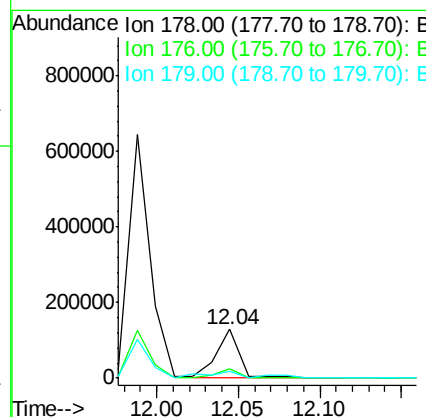
RT: 12.04 min Scan# 950

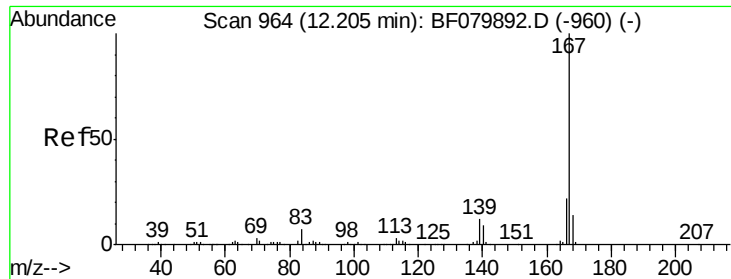
Delta R.T. -0.01 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Tgt Ion:	178	Resp:	124111
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.2	22.8
179	14.6	12.5	18.7





#72

Carbazole

Concen: 3.97 ng

RT: 12.19 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

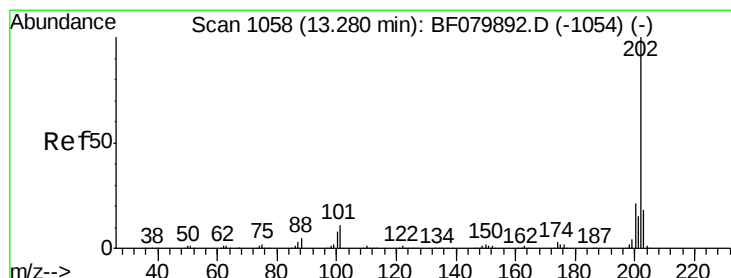
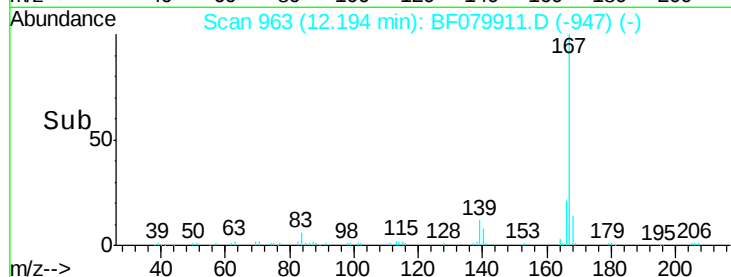
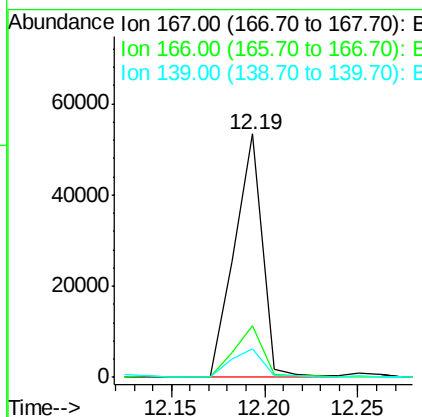
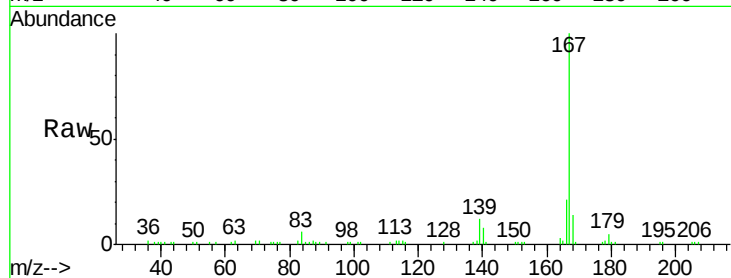
ClientSampleId :

FM1A

Tot Ion:	167	Resp:	56140
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.4	26.2
139	11.7	9.5	14.3

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#74

Fluoranthene

Concen: 49.90 ng

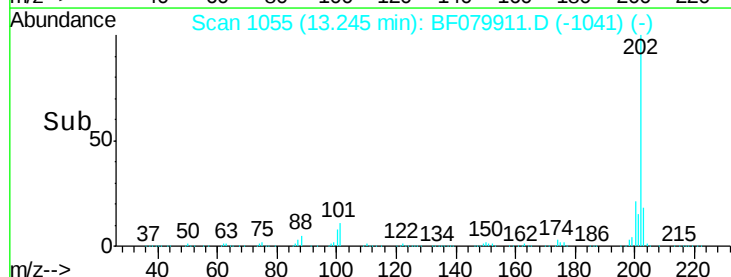
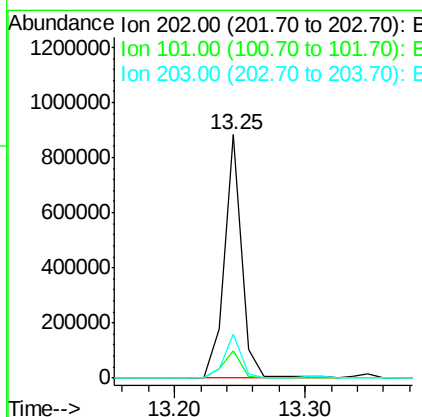
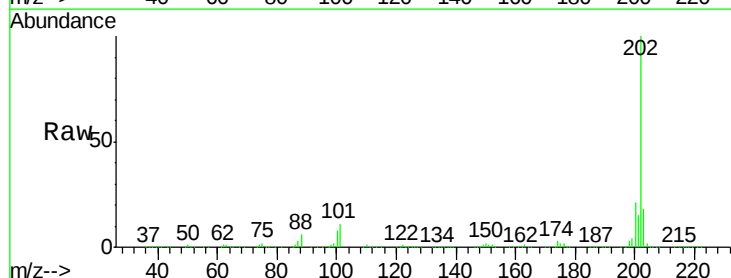
RT: 13.25 min Scan# 1055

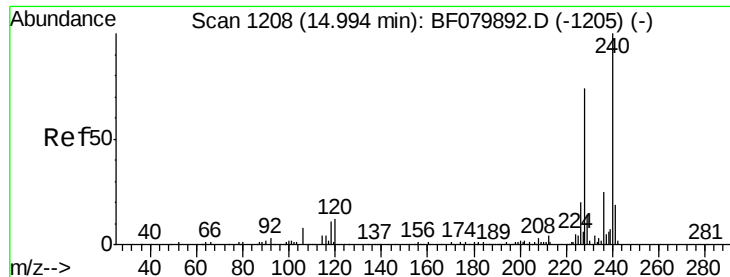
Delta R.T. -0.03 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Tgt Ion:	202	Resp:	813045
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	30.7
203	18.2	0.0	38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.90 min Scan# 1200

Delta R.T. -0.09 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

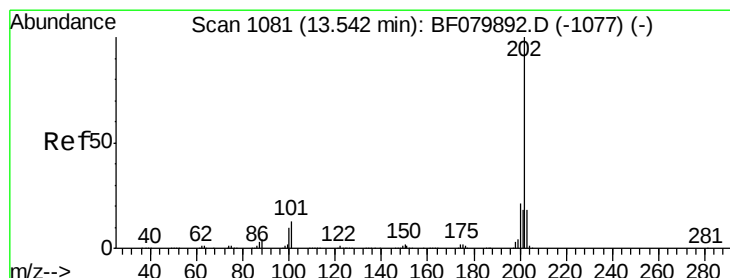
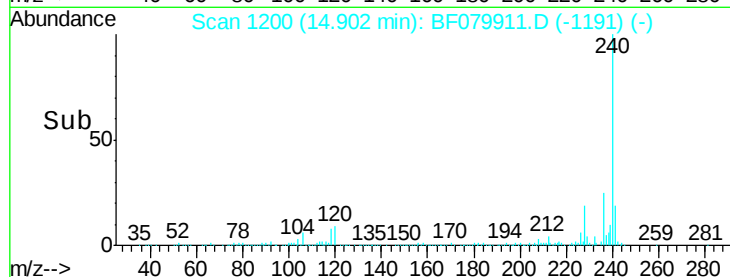
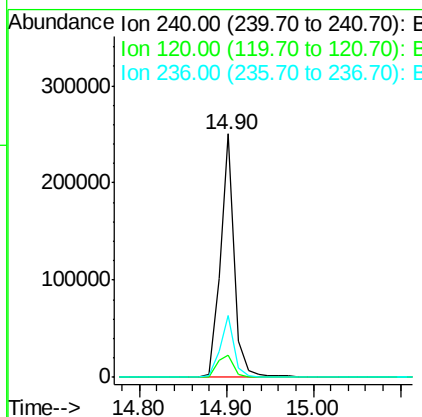
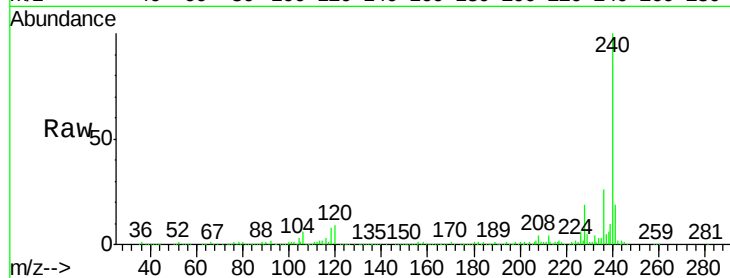
ClientSampleId :

FM1A

Tot Ion:	240	Resp:	281849
Ion Ratio	Lower	Upper	
240	100		
120	9.0	9.4	14.2#
236	25.6	19.6	29.4

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#77

Pyrene

Concen: 43.01 ng

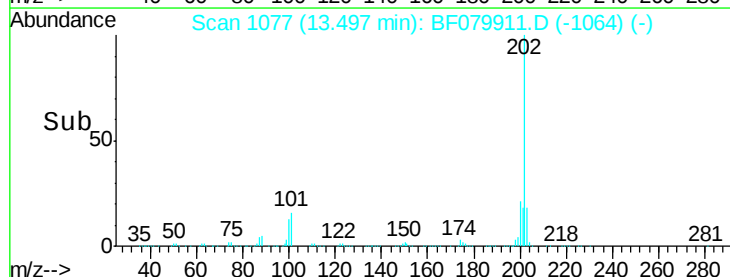
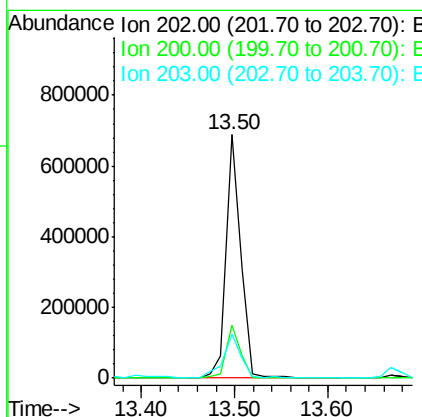
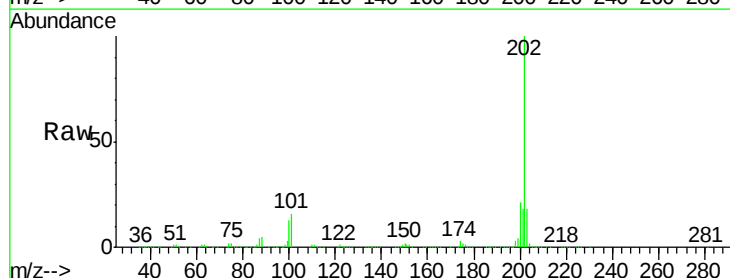
RT: 13.50 min Scan# 1077

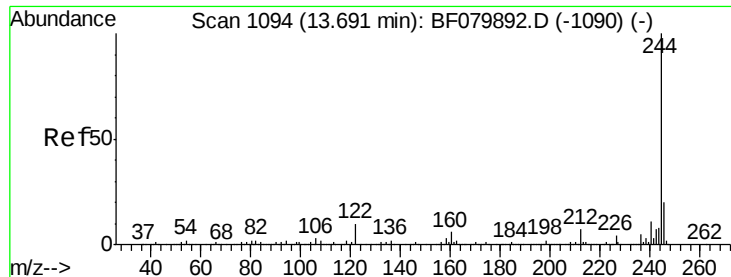
Delta R.T. -0.05 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Tgt Ion:	202	Resp:	750617
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.8	25.2
203	18.3	14.4	21.6





#78

Terphenyl-d14

Concen: 38.33 ng

RT: 13.65 min Scan# 1090

Delta R.T. -0.05 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

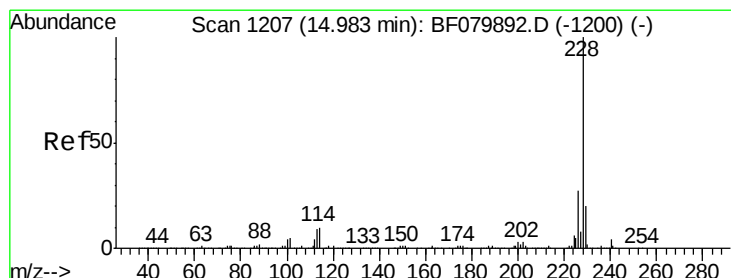
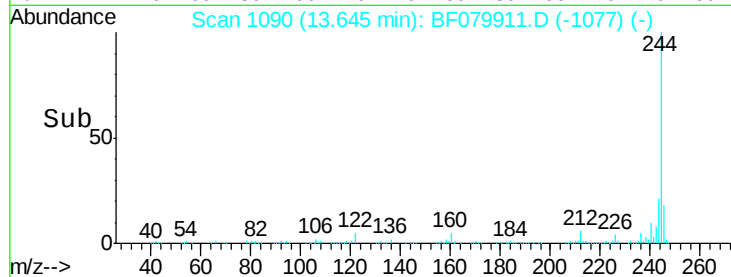
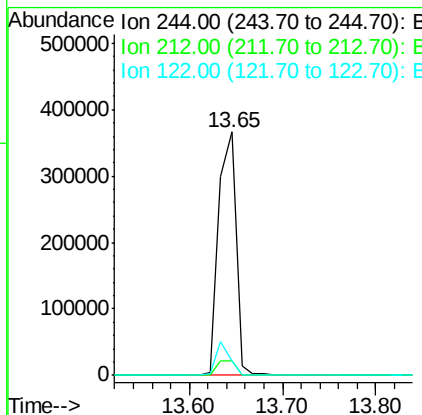
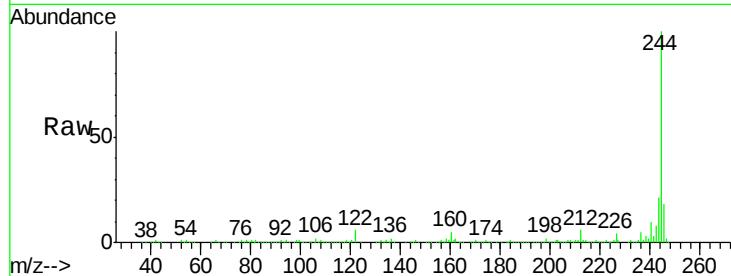
ClientSampleId :

FM1A

Tot Ion:	244	Resp:	475411
Ion Ratio	Lower	Upper	
244	100		
212	5.9	5.4	8.2
122	6.0	7.8	11.8#

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#80

Benzo(a)anthracene

Concen: 20.79 ng

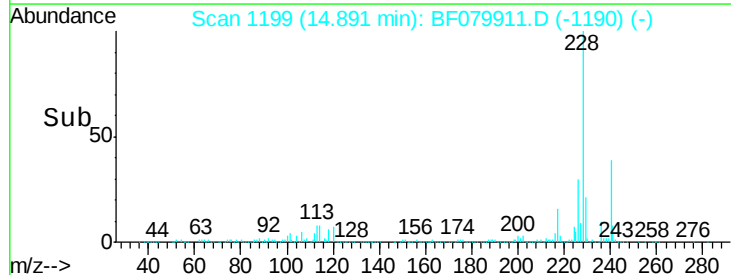
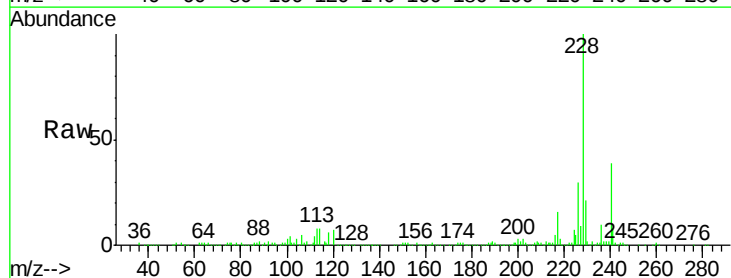
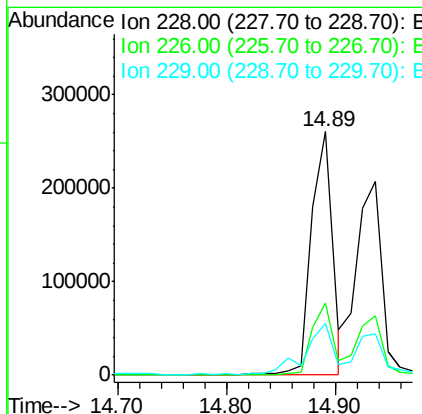
RT: 14.89 min Scan# 1199

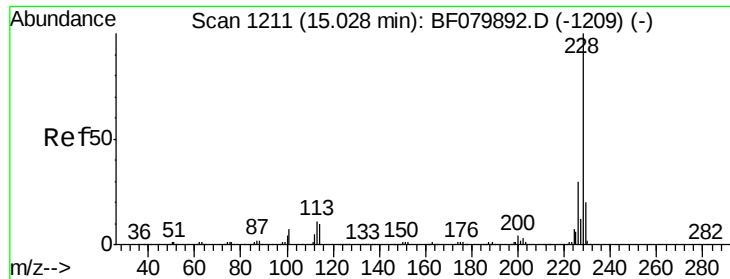
Delta R.T. -0.09 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Tgt Ion:	228	Resp:	347979
Ion Ratio	Lower	Upper	
228	100		
226	29.8	21.8	32.8
229	21.0	15.9	23.9





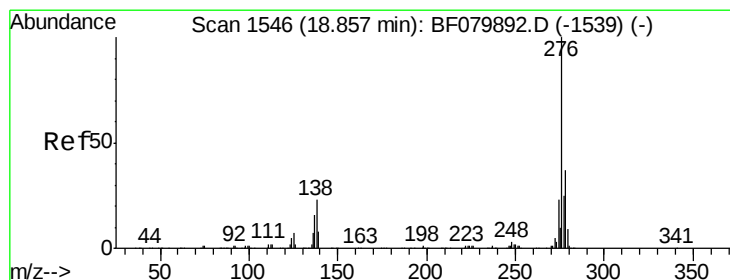
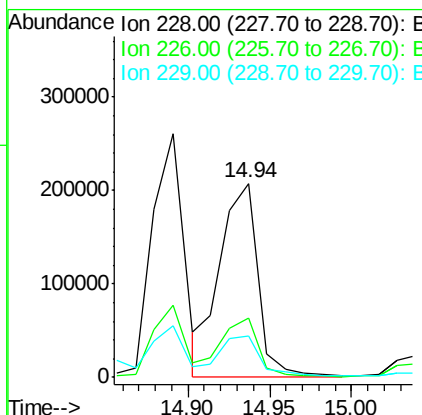
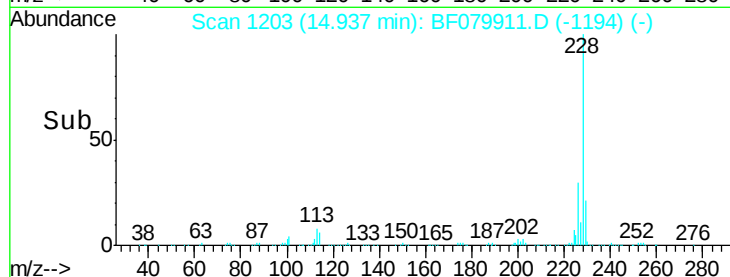
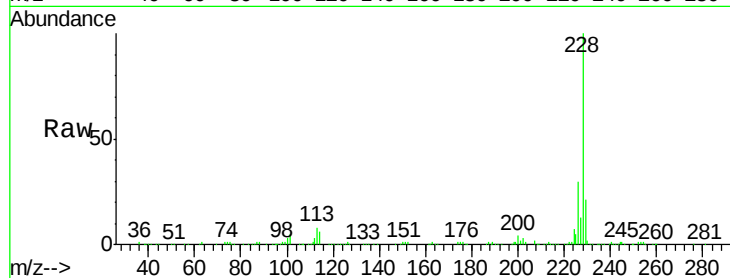
#82
Chrysene
Concen: 21.75 ng/ml
RT: 14.94 min Scan# 1203
Delta R.T. -0.09 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Instrument :
BNA_F
ClientSampleId :
FM1A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.4		23.9	35.9	
229	21.4		16.1	24.1	

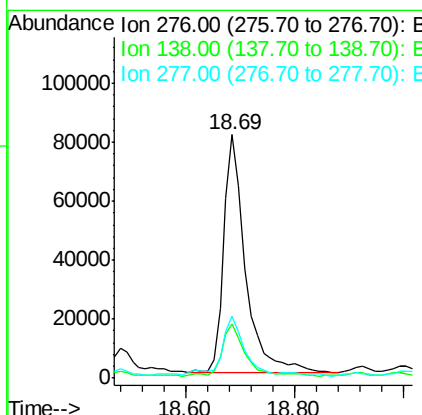
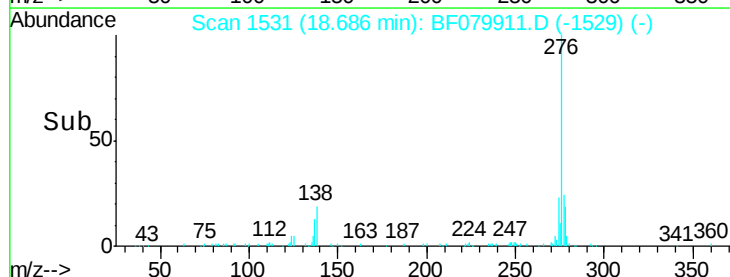
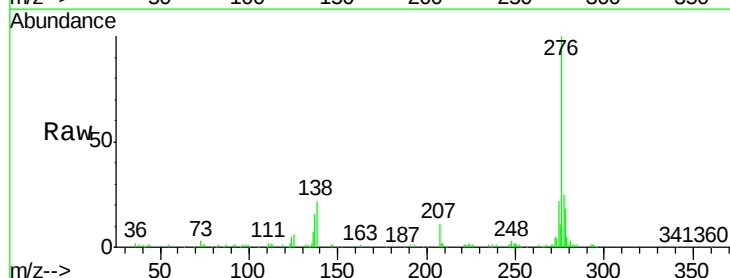
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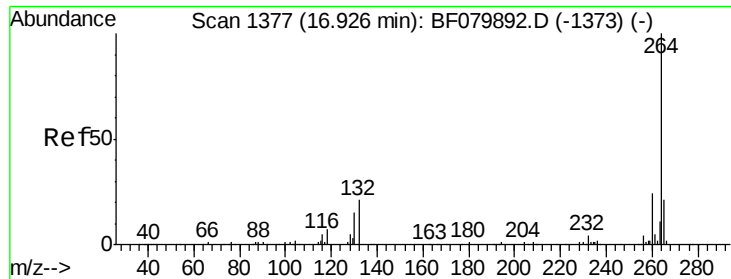
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#85
Indeno(1,2,3-cd)pyrene
Concen: 13.60 ng
RT: 18.69 min Scan# 1531
Delta R.T. -0.17 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	23.4		21.0	31.4	
277	21.5		19.9	29.9	





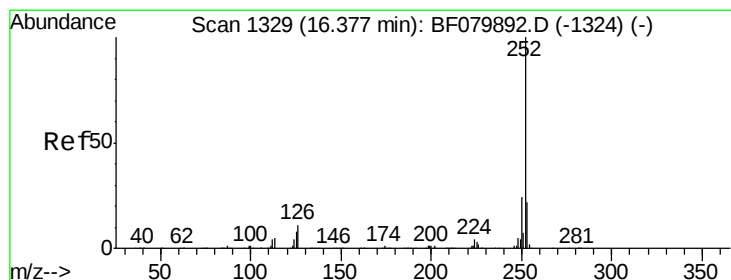
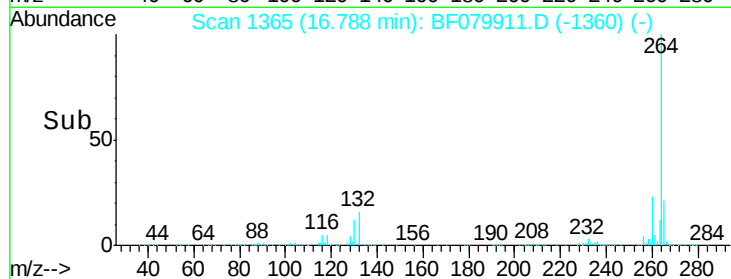
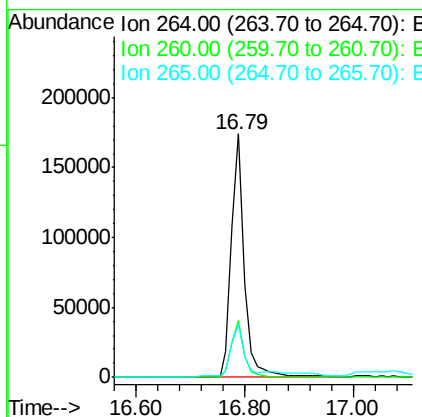
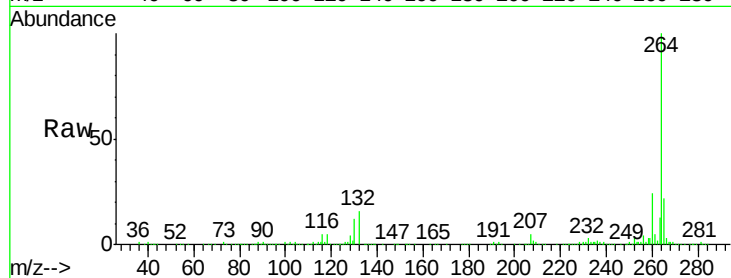
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.79 min Scan# 1365
Delta R.T. -0.14 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Instrument :
BNA_F
ClientSampleId :
FM1A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	22.0	17.0	25.6

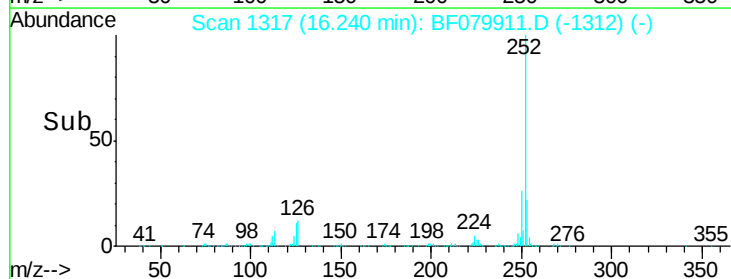
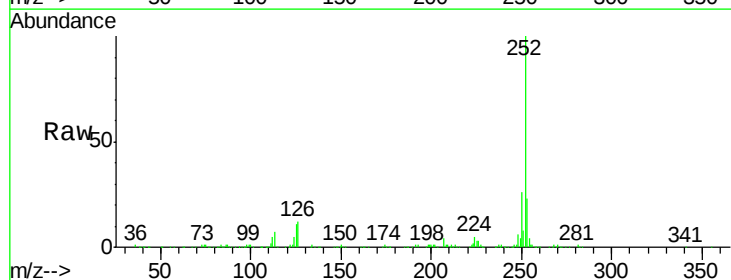
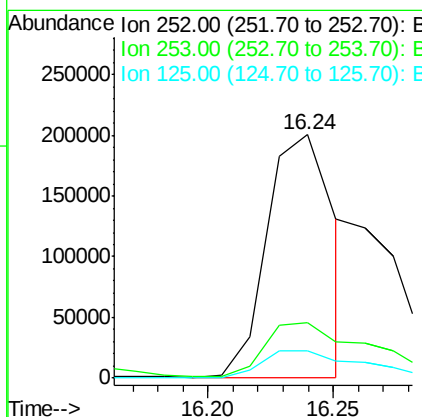
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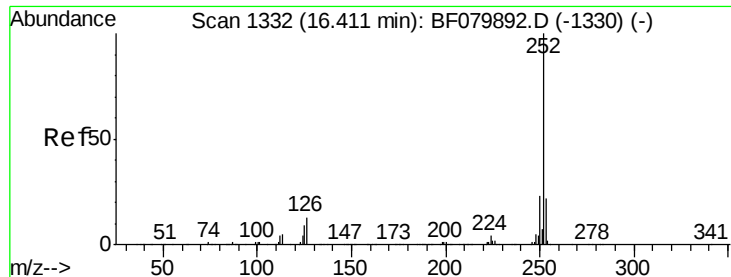
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#87
Benzo(b)fluoranthene
Concen: 22.14 ng m
RT: 16.24 min Scan# 1317
Delta R.T. -0.14 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.0	6.5	9.7#





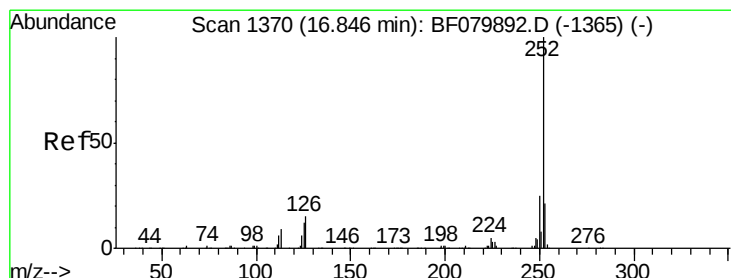
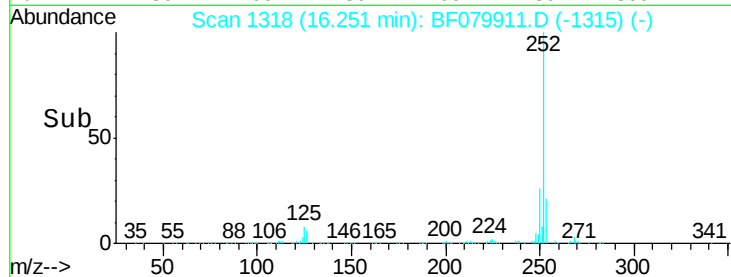
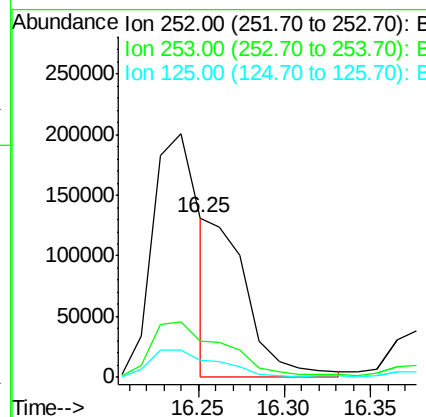
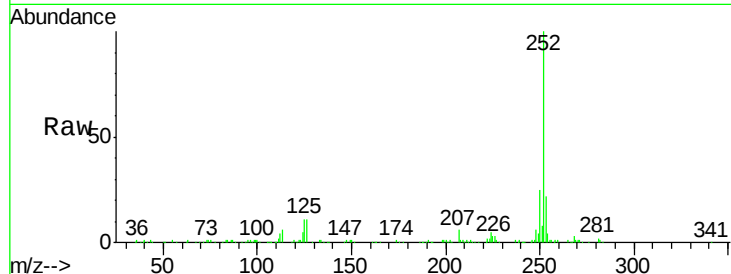
#88
Benzo(k)fluoranthene
Concen: 11.06 ng m
RT: 16.25 min Scan# 1318
Delta R.T. -0.16 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Instrument :
BNA_F
ClientSampled :
FM1A

Tot Ion	Ratio	Resp	Lower	Upper
252	100	196631		
253	22.4		17.4	26.2
125	10.7		7.4	11.0

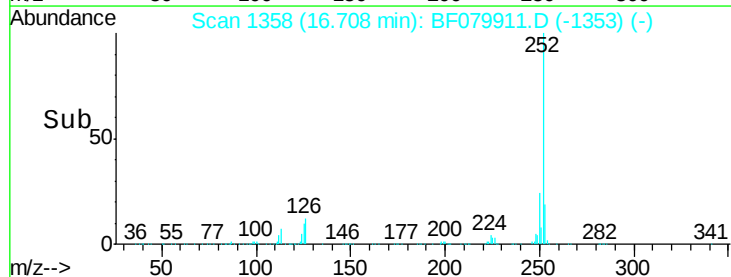
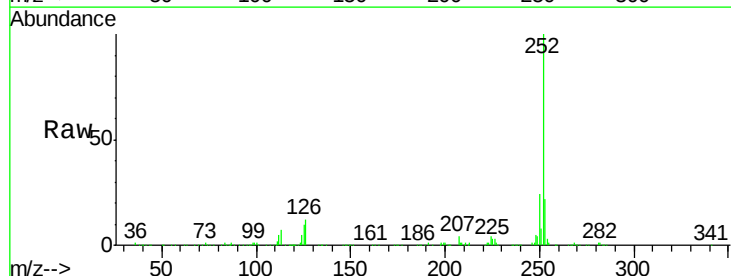
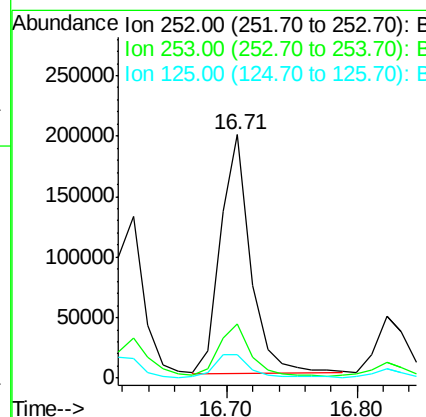
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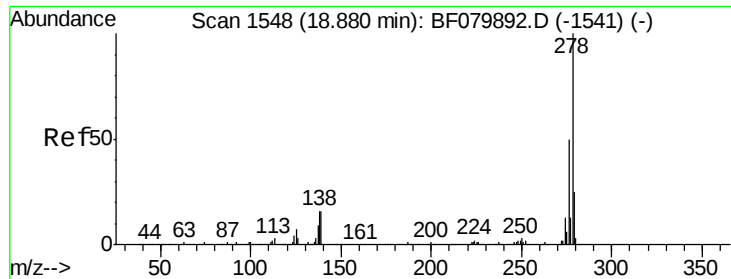
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#89
Benzo(a)pyrene
Concen: 19.52 ng
RT: 16.71 min Scan# 1358
Delta R.T. -0.14 min
Lab File: BF079911.D
Acq: 12 Jun 2015 00:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	314810		
253	22.1		17.0	25.6
125	9.7		9.7	14.5





#90

Dibenzo(a,h)anthracene

Concen: 4.33 ng

RT: 18.71 min Scan# 1533

Delta R.T. -0.17 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Instrument :

BNA_F

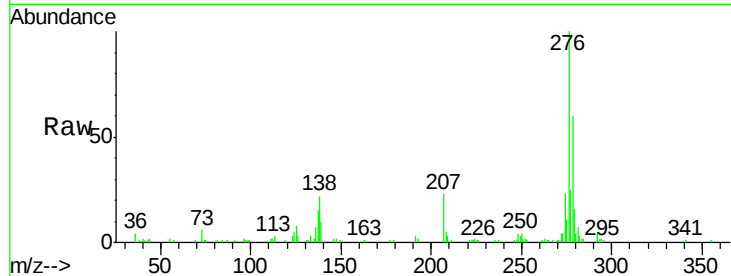
ClientSampleId :

FM1A

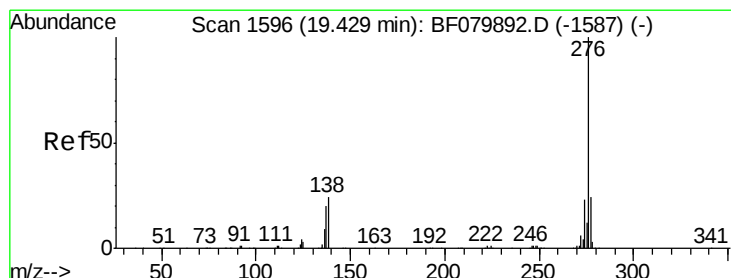
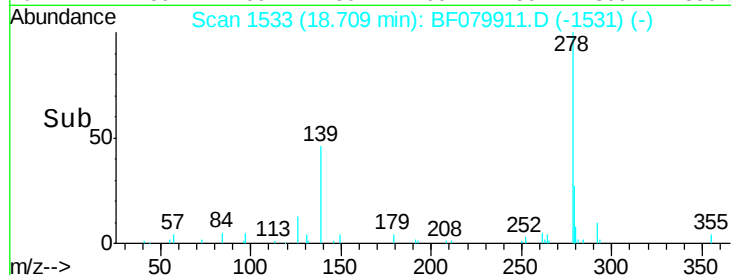
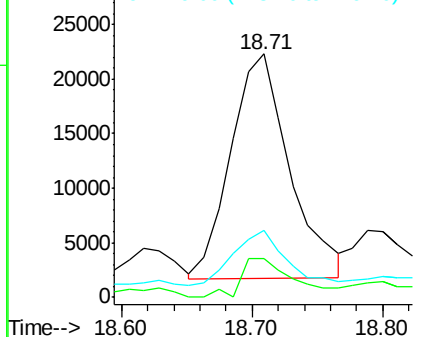
Tot Ion:	278	Resp:	64562
Ion Ratio	Lower	Upper	
278	100		
139	16.0	12.8	19.2
279	27.3	19.7	29.5

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 14.82 ng

RT: 19.27 min Scan# 1582

Delta R.T. -0.16 min

Lab File: BF079911.D

Acq: 12 Jun 2015 00:29

Tgt Ion:	276	Resp:	233705
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.4	29.2
138	21.0	19.1	28.7

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

