

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061115\
 Data File : BF079928.D
 Acq On : 12 Jun 2015 8:42
 Operator : TP/IZ
 Sample : G2449-05 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FM4

Manual Integrations
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apatel
 6/13/2015 8:44:58 AM

Quant Time: Jun 12 15:05:03 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 13:46:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	54689	20.00	ng	0.00
21) Naphthalene-d8	8.68	136	227438	20.00	ng	0.00
38) Acenaphthene-d10	10.46	164	115446	20.00	ng	0.00
63) Phenanthrene-d10	11.98	188	243133	20.00	ng	0.01
75) Chrysene-d12	15.09	240	257312m	20.00	ng	0.24
86) Perylene-d12	17.07	264	259790m	20.00	ng	0.37
System Monitoring Compounds						
5) 2-Fluorophenol	6.00	112	77266	25.91	ng	0.00
7) Phenol-d6	6.99	99	100658	24.77	ng	0.00
23) Nitrobenzene-d5	7.94	82	45171	13.10	ng	-0.01
41) 2,4,6-Tribromophenol	11.26	330	20362	20.09	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	136116	16.51	ng	0.00
78) Terphenyl-d14	13.74	244	154123m	13.81	ng	0.13
Target Compounds						Qvalue
70) Phenanthrene	12.00	178	514445	35.50	ng	99
71) Anthracene	12.06	178	77955	5.56	ng	100
72) Carbazole	12.21	167	33226	2.44	ng	97
74) Fluoranthene	13.31	202	800449	49.97	ng	98
77) Pyrene	13.58	202	729154m	45.12	ng	
80) Benzo(a)anthracene	15.07	228	292724m	17.92	ng	
82) Chrysene	15.12	228	321272m	21.60	ng	
85) Indeno(1,2,3-cd)pyrene	19.01	276	181283m	10.59	ng	
87) Benzo(b)fluoranthene	16.51	252	394812m	24.80	ng	
88) Benzo(k)fluoranthene	16.55	252	106728m	6.57	ng	
89) Benzo(a)pyrene	16.91	252	190238m	12.57	ng	
90) Dibenzo(a,h)anthracene	18.77	278	29858m	2.01	ng	
91) Benzo(a,h,i)perylene	19.58	276	184317m	11.97	ng	

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

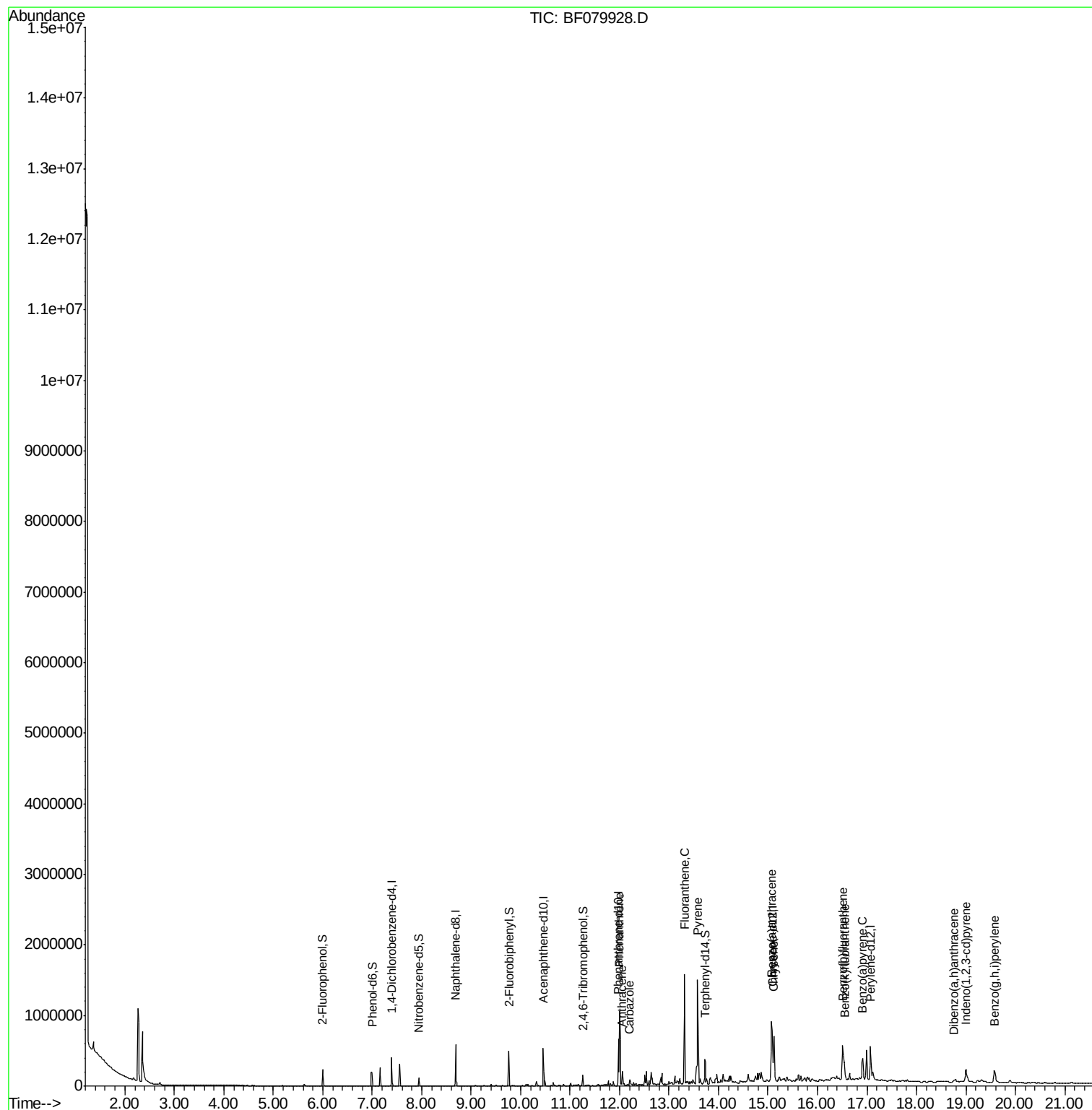
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061115\
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ALS Vial : 39 Sample Multiplier: 1

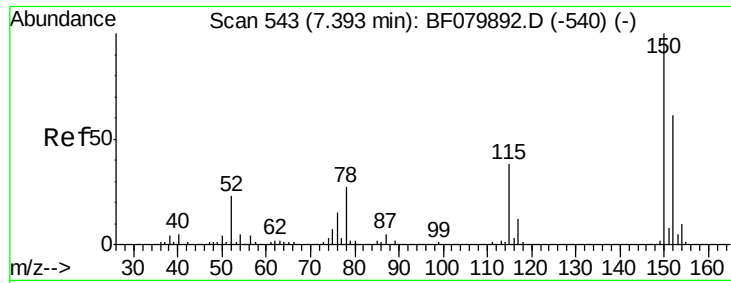
Instrument :
BNA_F
ClientSampleId :
FM4

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Quant Time: Jun 12 15:05:03 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF061115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

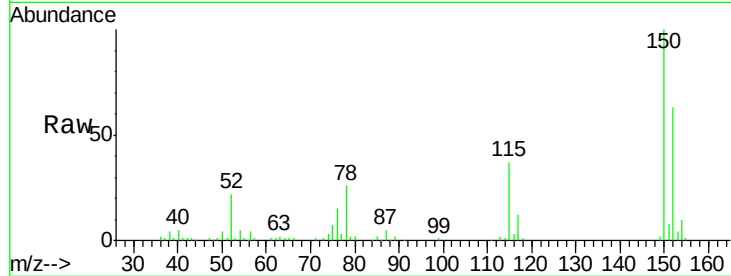
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 543
Delta R.T. 0.00 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Instrument :
BNA_F
ClientSampled :
FM4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	131.0	196.4
115	59.0	49.8	74.6

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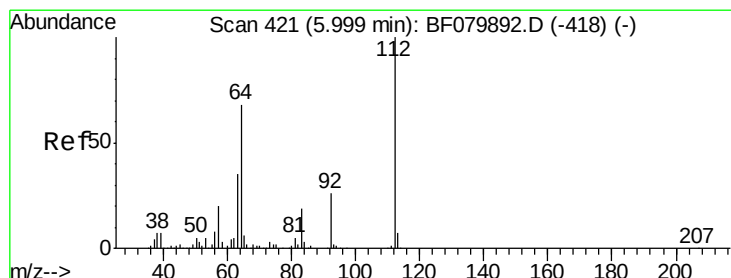
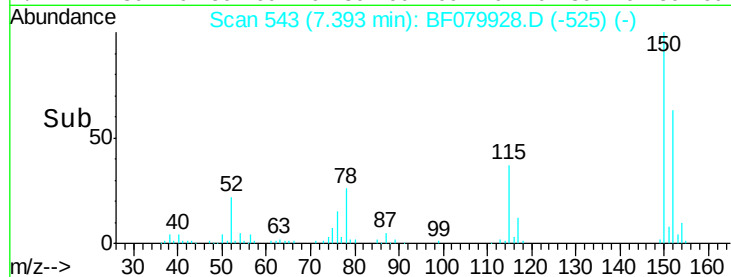
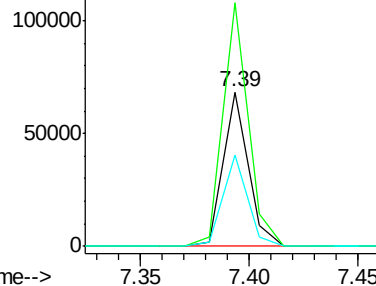


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

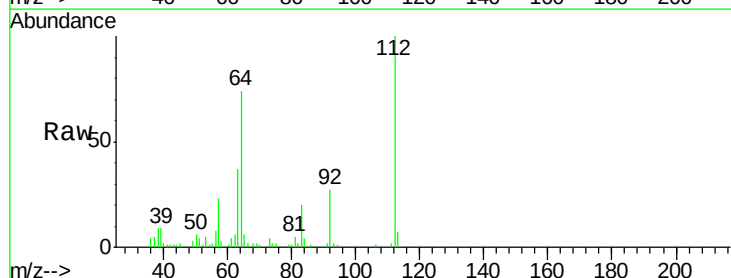
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.91 ng
RT: 6.00 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.8	54.5	81.7
63	37.4	27.9	41.9

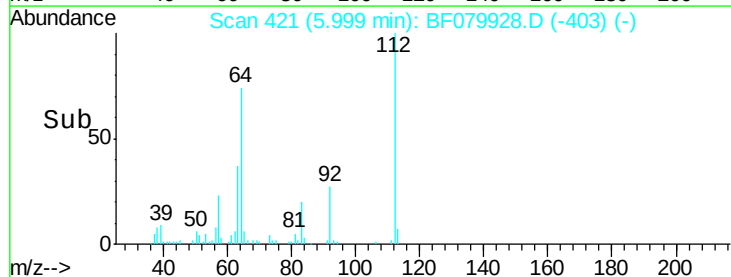
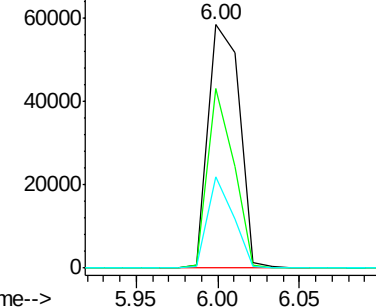


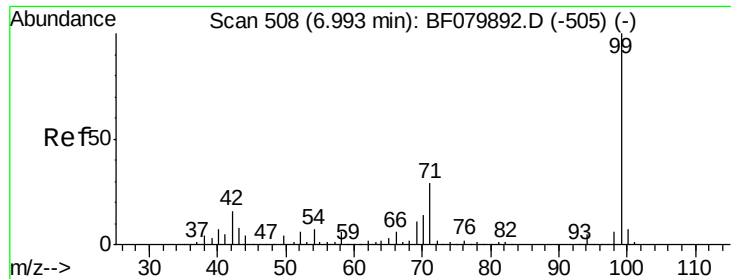
Abundance

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: 24.77 ng

RT: 6.99 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

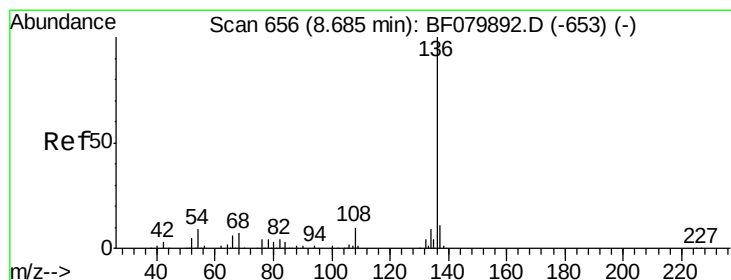
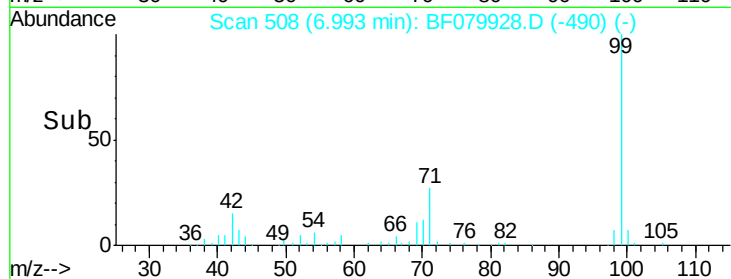
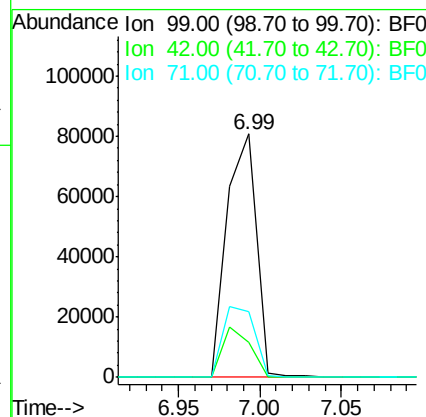
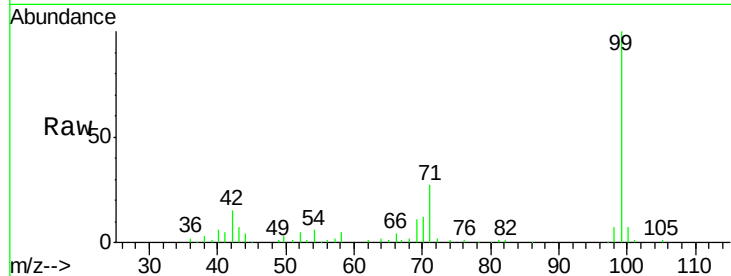
ClientSampled :

FM4

Tot Ion:	99	Resp:	100658
Ion Ratio		Lower	Upper
99	100		
42	14.6	12.9	19.3
71	26.9	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

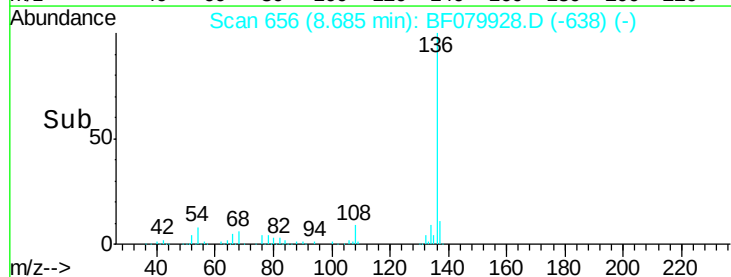
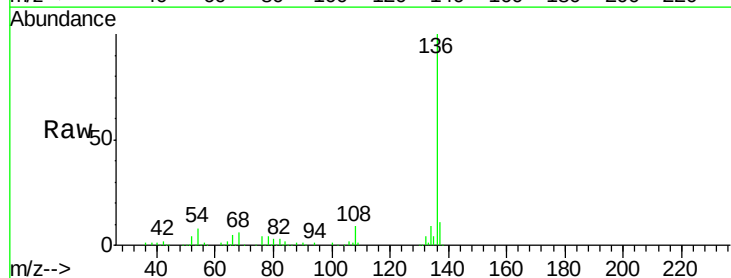
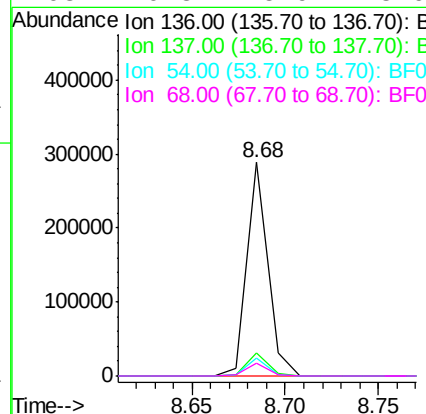
RT: 8.68 min Scan# 656

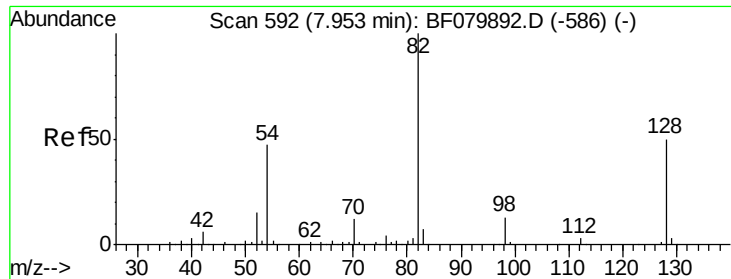
Delta R.T. 0.00 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Tgt Ion:	136	Resp:	227438
Ion Ratio		Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.5	7.3	10.9
68	6.3	5.9	8.9





#23

Nitrobenzene-d5

Concen: 13.10 ng

RT: 7.94 min Scan# 591

Delta R.T. -0.01 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

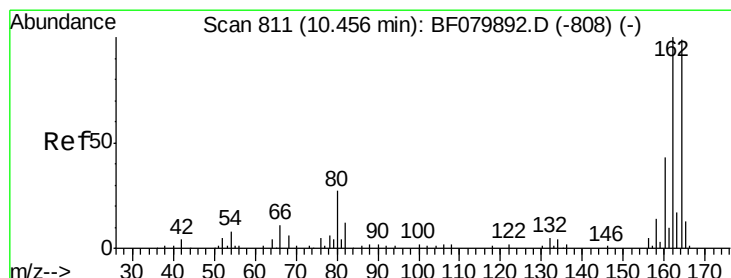
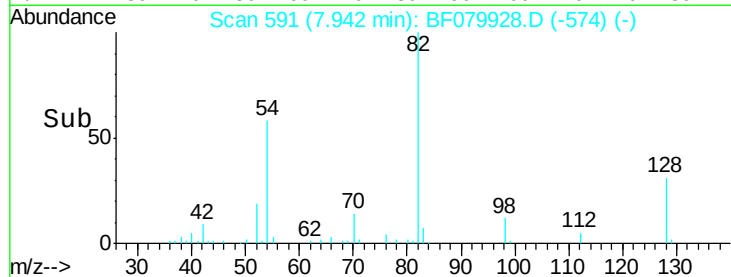
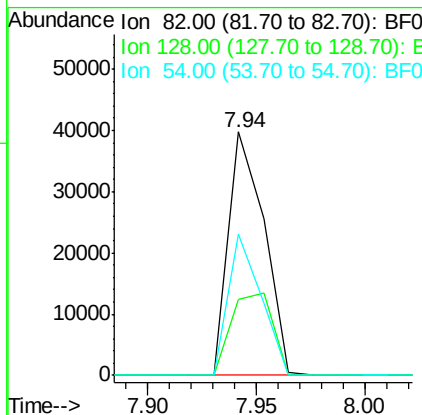
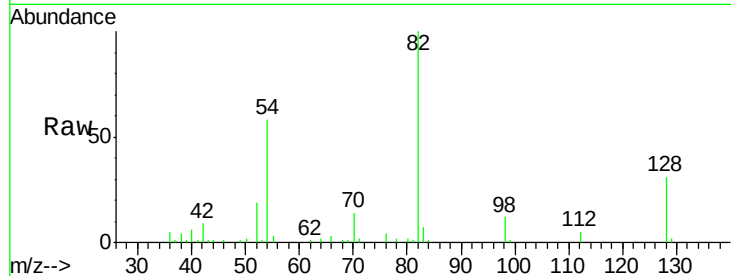
ClientSampled :

FM4

Tot Ion:	82	Resp:	45171
Ion Ratio	Lower	Upper	
82	100		
128	31.1	40.3	60.5#
54	57.9	38.0	57.0#

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#38

Acenaphthene-d10

Concen: 20.00 ng

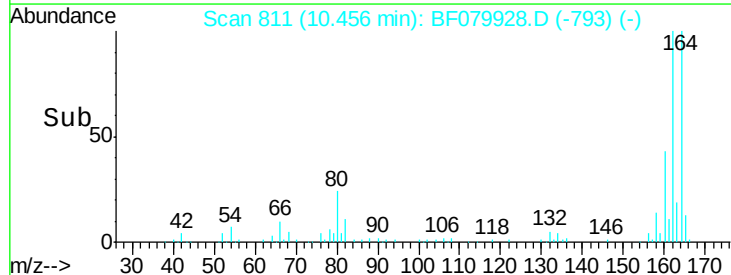
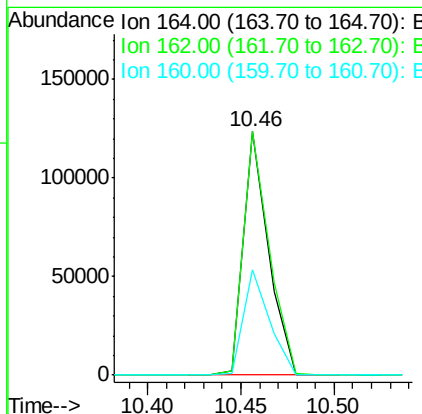
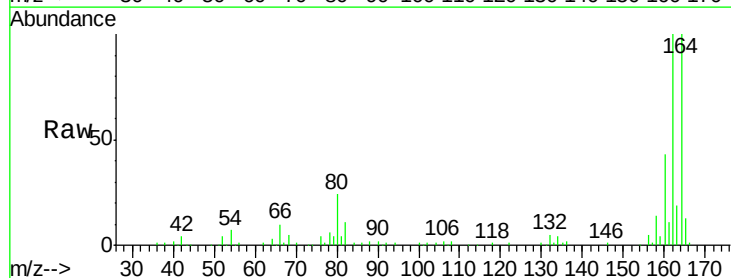
RT: 10.46 min Scan# 811

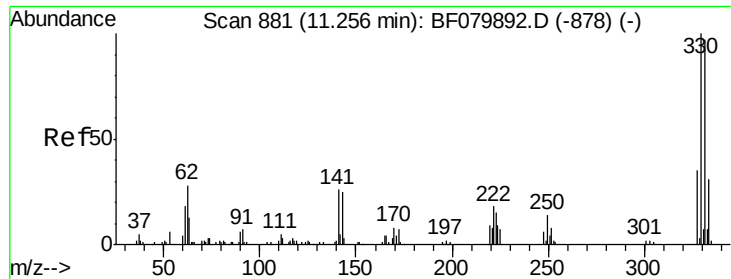
Delta R.T. 0.00 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Tgt Ion:	164	Resp:	115446
Ion Ratio	Lower	Upper	
164	100		
162	99.9	80.7	121.1
160	43.4	34.6	51.8





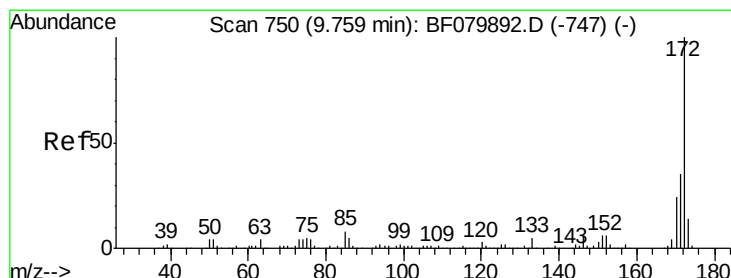
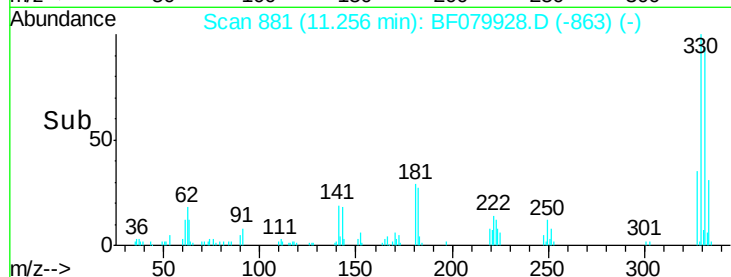
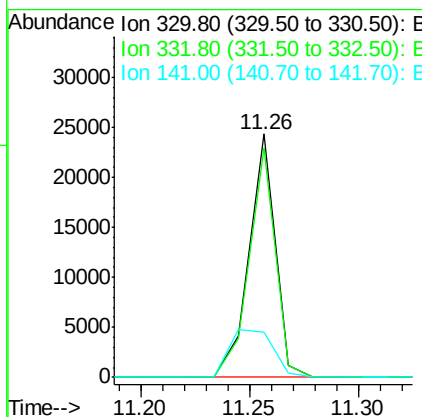
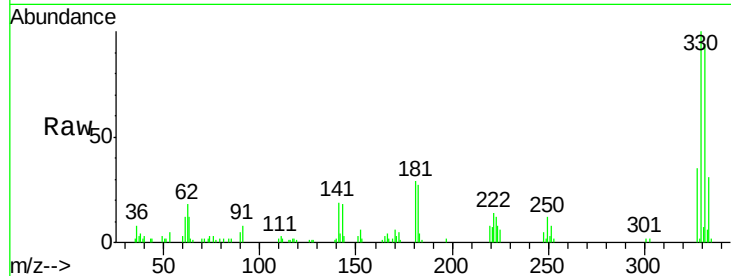
#41
 2,4,6-Tribromophenol
 Concen: 20.09 ng
 RT: 11.26 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF079928.D
 Acq: 12 Jun 2015 8:42

Instrument :
 BNA_F
 ClientSampled :
 FM4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	20362		
332	94.6		77.3	115.9
141	32.9		26.8	40.2

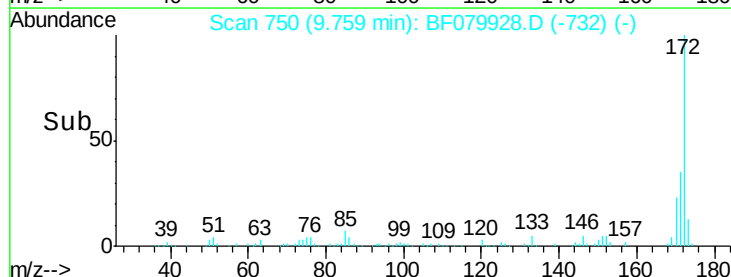
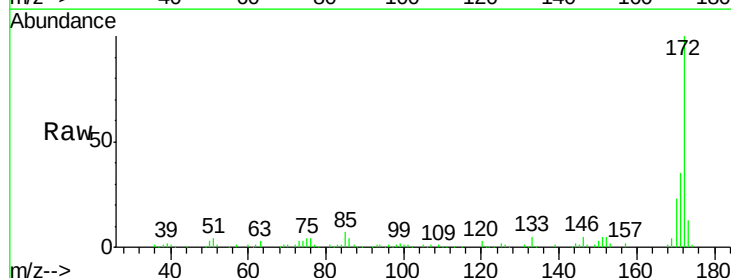
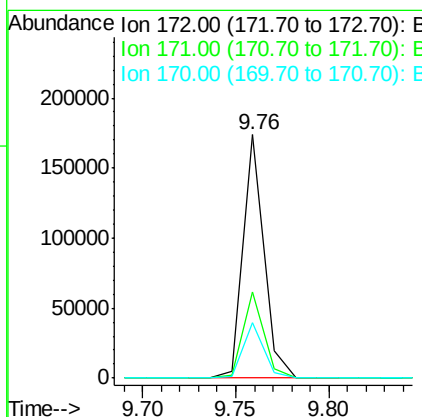
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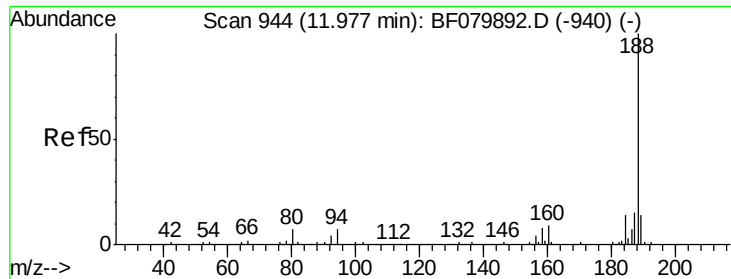
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#44
 2-Fluorobiphenyl
 Concen: 16.51 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF079928.D
 Acq: 12 Jun 2015 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	136116		
171	35.3		28.3	42.5
170	22.6		19.0	28.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.98 min Scan# 944

Delta R.T. 0.01 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

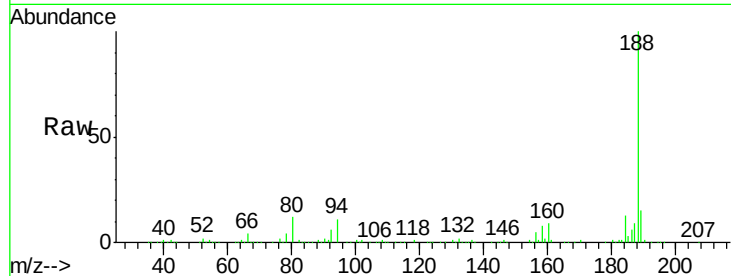
ClientSampleId :

FM4

Tot Ion:188	Resp:	243133
Ion Ratio	Lower	Upper
188 100		
94 10.6	5.8	8.8#
80 12.2	5.9	8.9#

Manual Integrations
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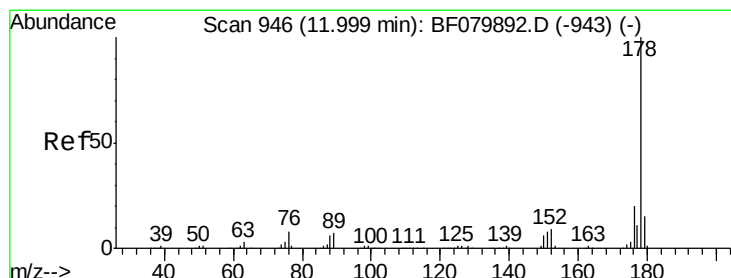
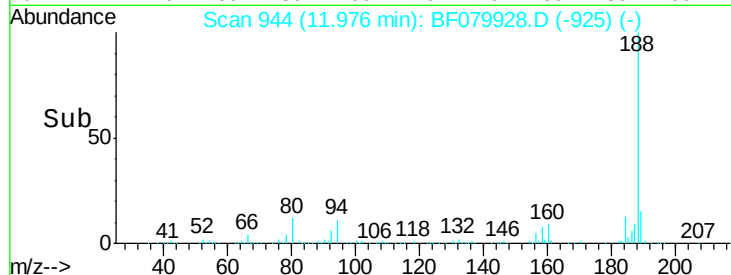
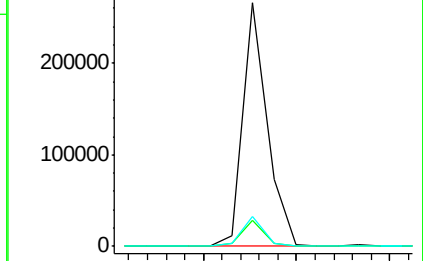
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 35.50 ng

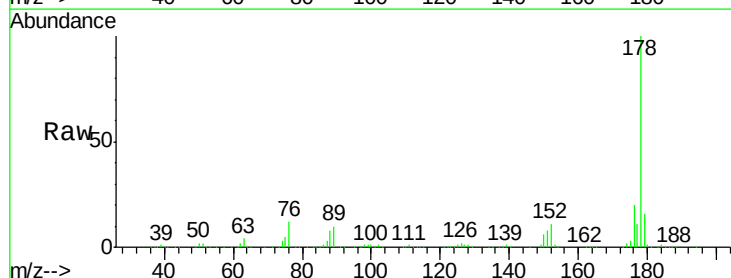
RT: 12.00 min Scan# 946

Delta R.T. 0.01 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

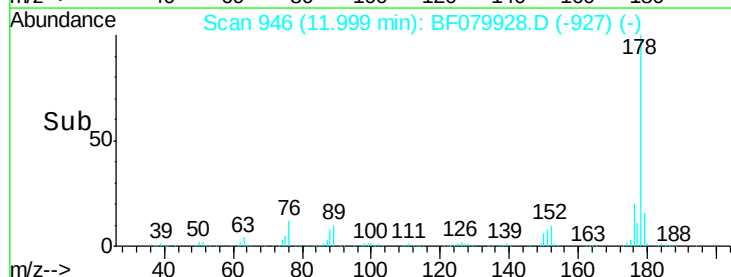
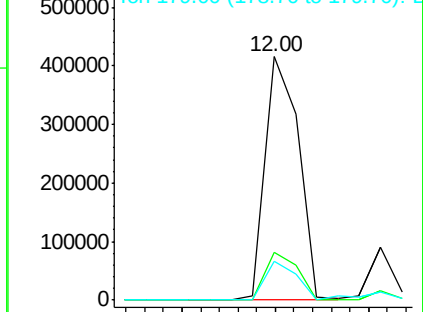
Tgt Ion:178	Resp:	514445
Ion Ratio	Lower	Upper
178 100		
176 19.7	15.9	23.9
179 15.9	12.3	18.5

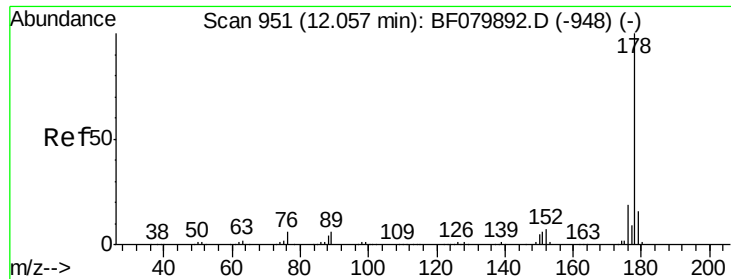


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





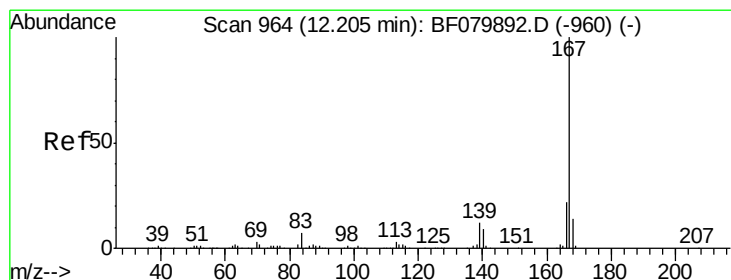
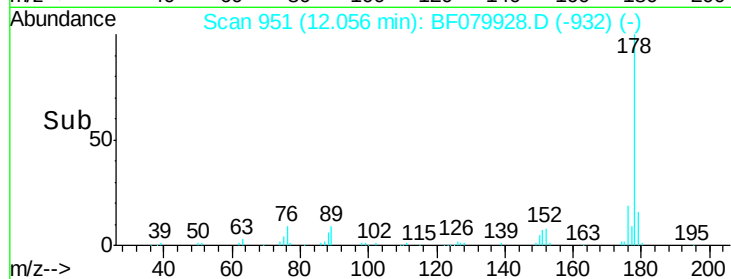
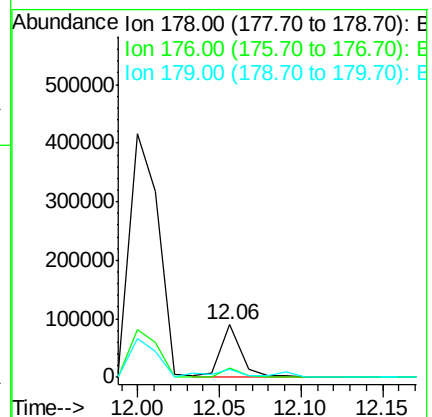
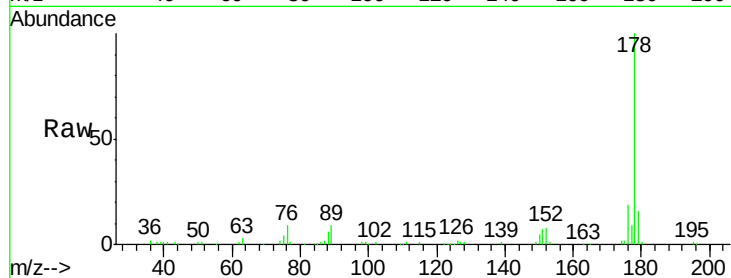
#71
 Anthracene
 Concen: 5.56 ng
 RT: 12.06 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: BF079928.D
 Acq: 12 Jun 2015 8:42

Instrument :
 BNA_F
 ClientSampled :
 FM4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.9	12.5	18.7

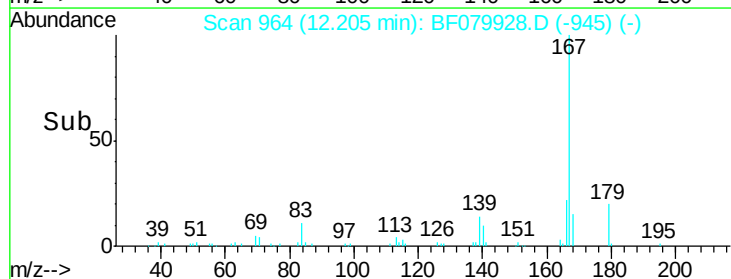
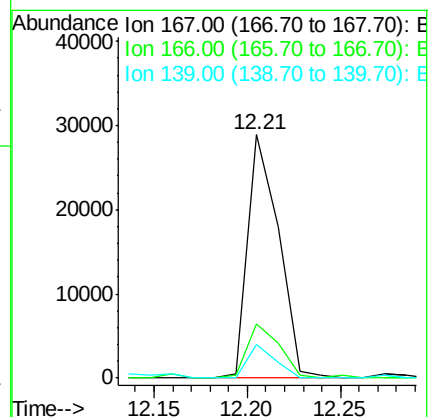
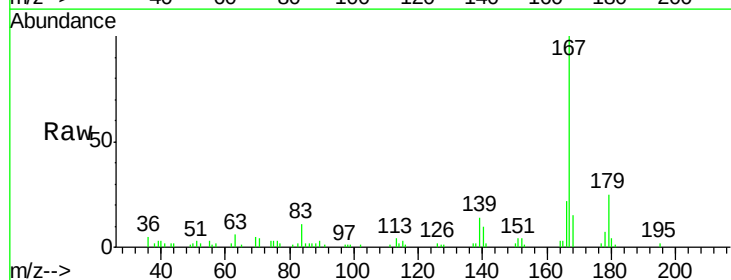
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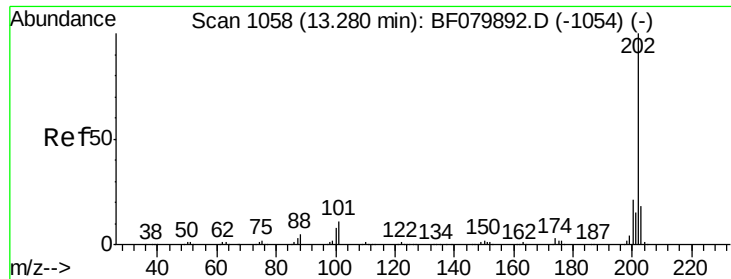
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#72
 Carbazole
 Concen: 2.44 ng
 RT: 12.21 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: BF079928.D
 Acq: 12 Jun 2015 8:42

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.4	26.2
139	13.9	9.5	14.3





#74

Fluoranthene

Concen: 49.97 ng

RT: 13.31 min Scan# 1061

Delta R.T. 0.09 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

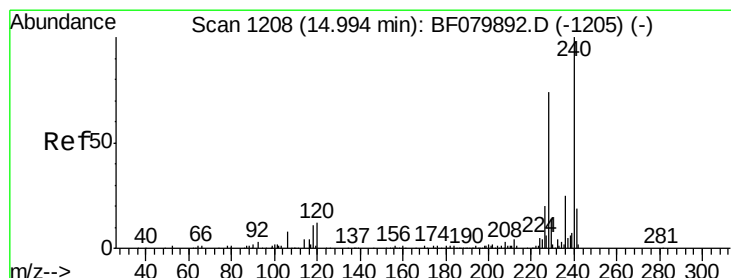
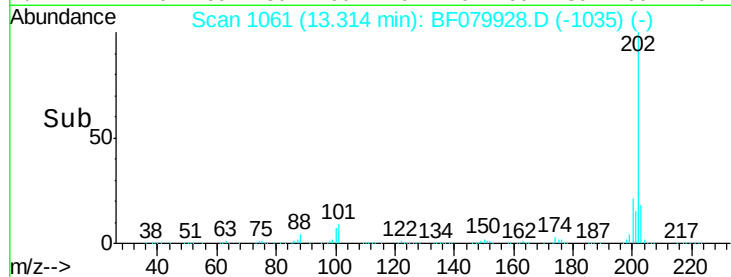
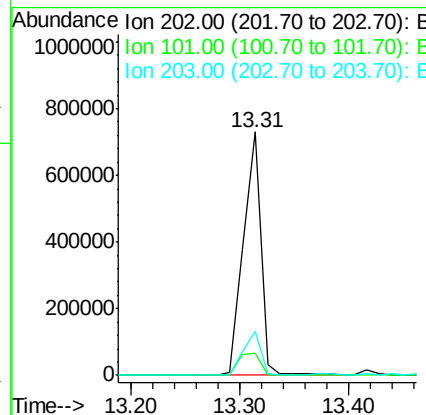
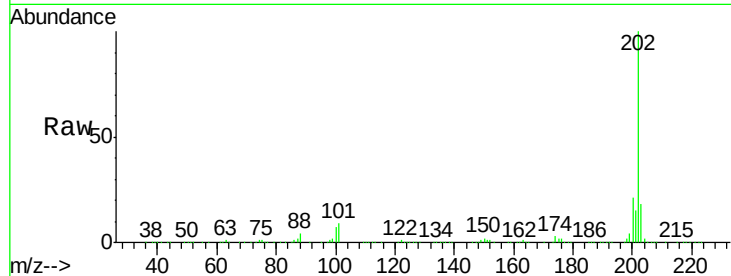
ClientSampled :

FM4

Tot Ion:	202	Resp:	800449
Ion Ratio		Lower	Upper
202	100		
101	9.0	0.0	30.7
203	17.8	0.0	38.0

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#75

Chrysene-d12

Concen: 20.00 ng m

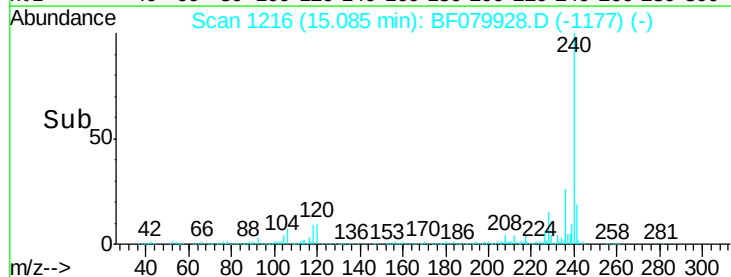
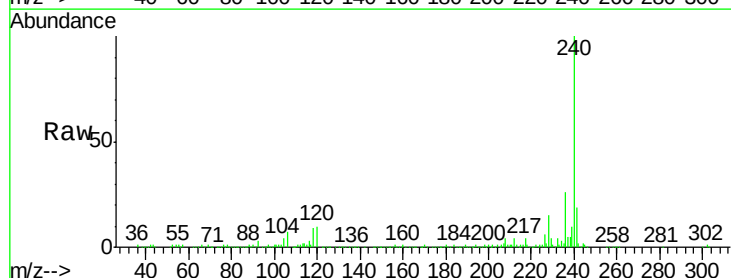
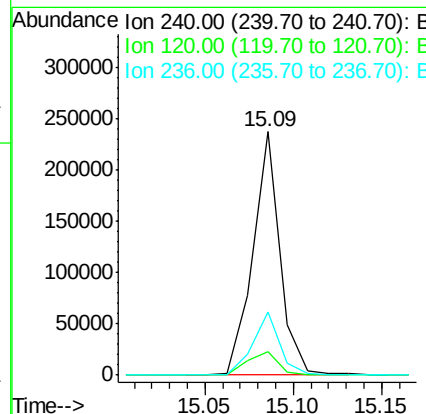
RT: 15.09 min Scan# 1216

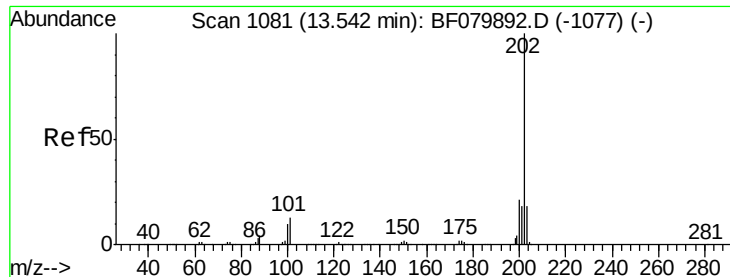
Delta R.T. 0.24 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Tgt Ion:	240	Resp:	257312
Ion Ratio		Lower	Upper
240	100		
120	9.8	9.4	14.2
236	25.7	19.6	29.4





#77

Pvrene

Concen: 45.12 ng/mL

RT: 13.58 min Scan# 1084

Delta R.T. 0.10 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Instrument :

BNA_F

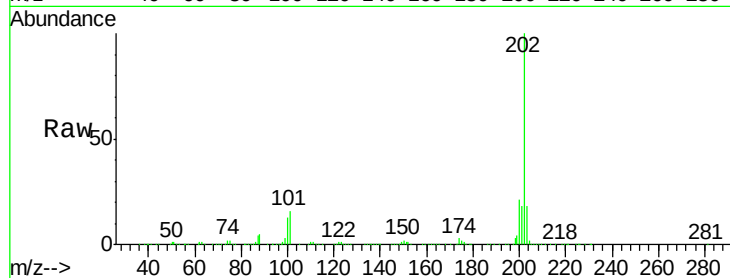
ClientSampleId :

FM4

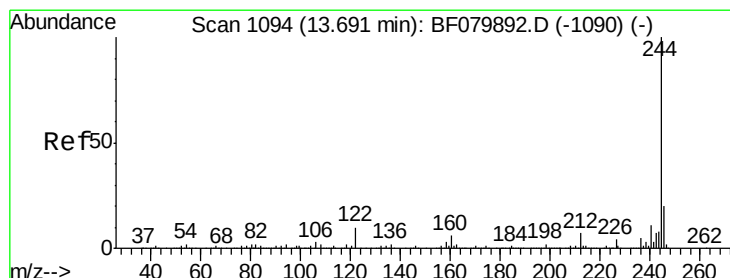
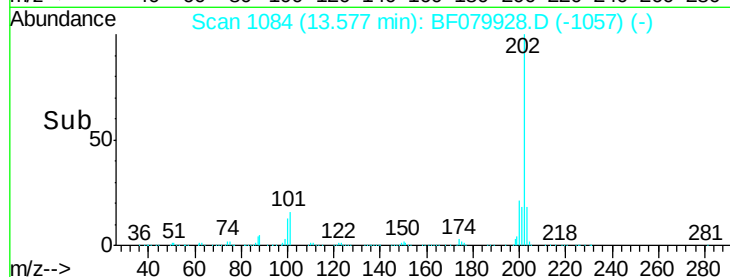
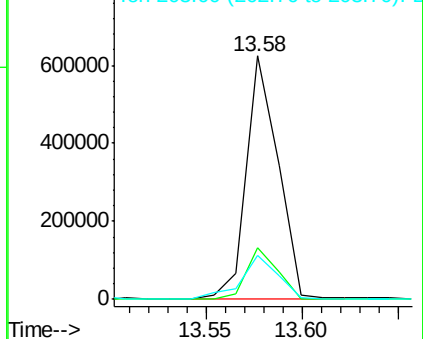
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.0	14.4	21.6

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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: 13.81 ng/mL

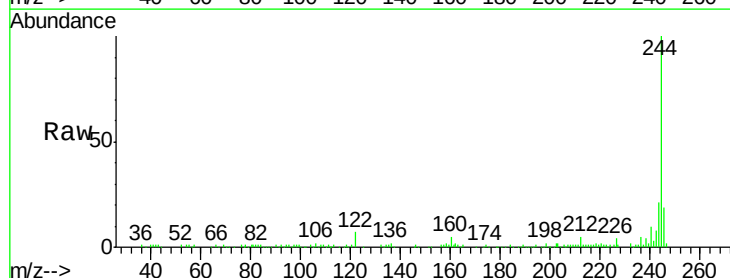
RT: 13.74 min Scan# 1098

Delta R.T. 0.13 min

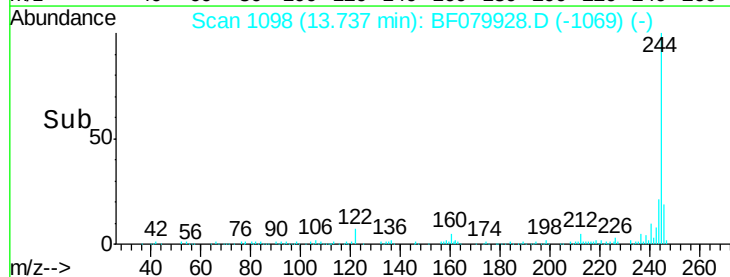
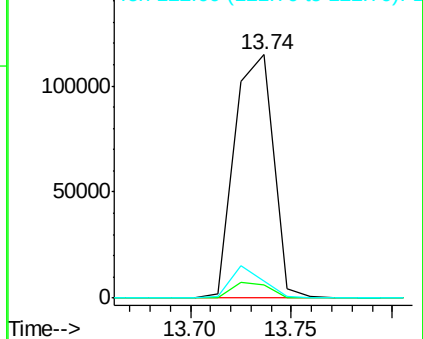
Lab File: BF079928.D

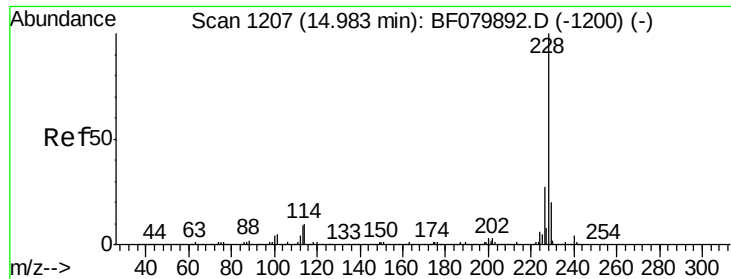
Acq: 12 Jun 2015 8:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.5	5.4	8.2
122	7.1	7.8	11.8#



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





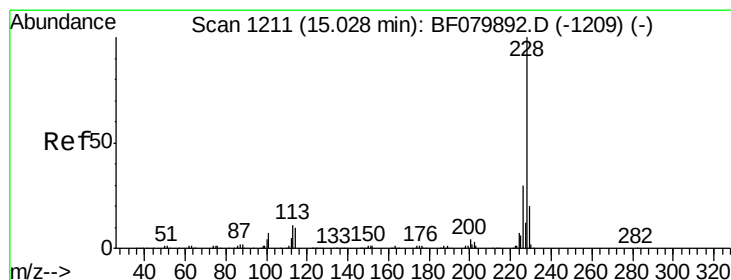
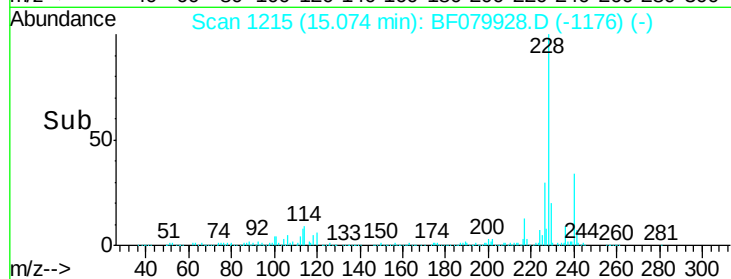
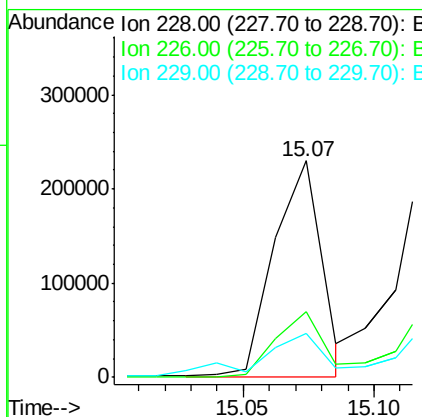
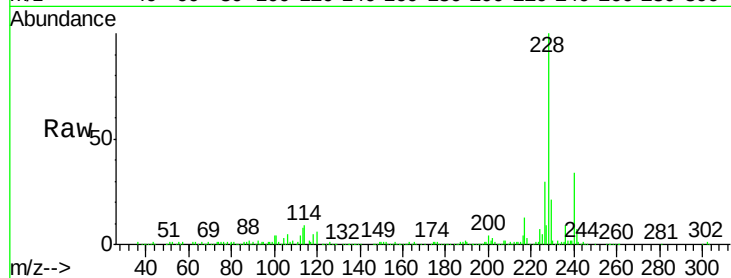
#80
Benzo(a)anthracene
Concen: 17.92 ng m
RT: 15.07 min Scan# 1215
Delta R.T. 0.24 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Instrument :
BNA_F
ClientSampleId :
FM4

Tot Ion:	228	Resp:	292724
Ion Ratio	Lower	Upper	
228	100		
226	30.3	21.8	32.8
229	20.5	15.9	23.9

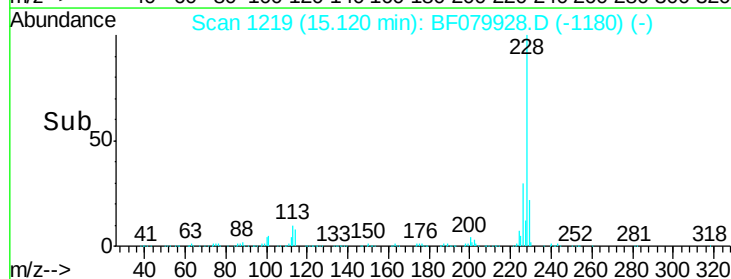
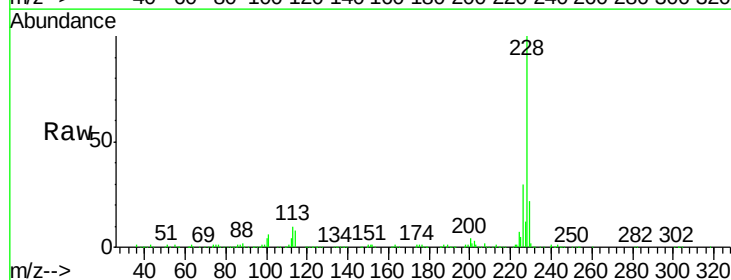
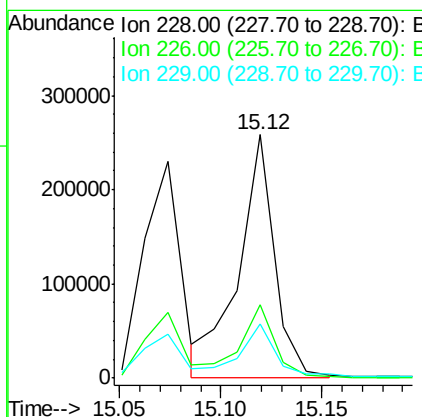
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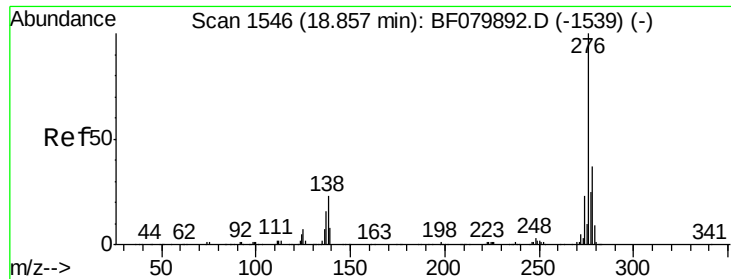
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#82
Chrysene
Concen: 21.60 ng m
RT: 15.12 min Scan# 1219
Delta R.T. 0.24 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Tgt Ion:	228	Resp:	321272
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.9	35.9
229	22.2	16.1	24.1





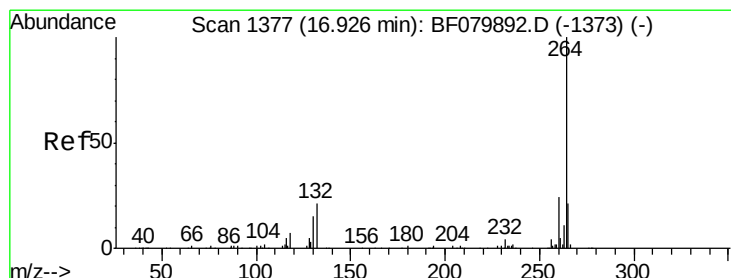
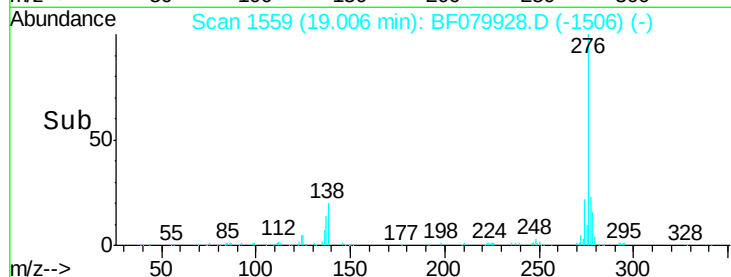
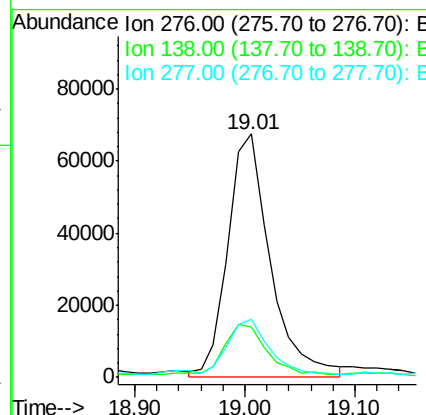
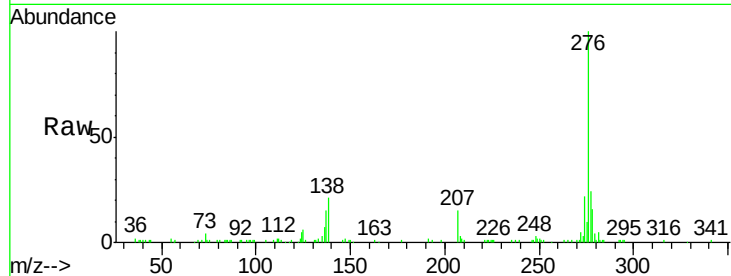
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.59 ng m
 RT: 19.01 min Scan# 1559
 Delta R.T. 0.40 min
 Lab File: BF079928.D
 Acq: 12 Jun 2015 8:42

Instrument :
 BNA_F
 ClientSampleId :
 FM4

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	0.4	21.0	31.4#
277	1.2	19.9	29.9#

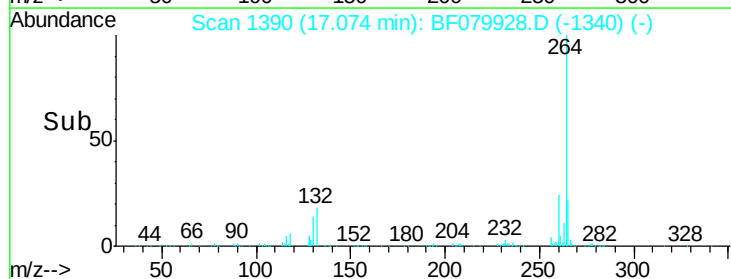
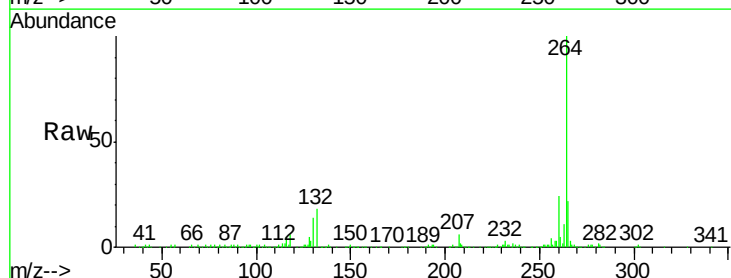
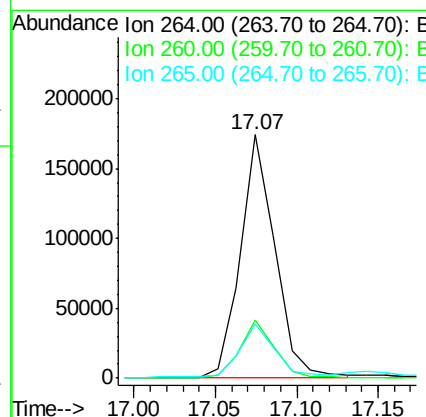
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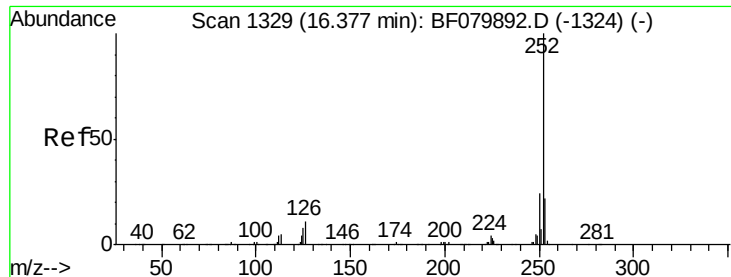
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#86
 Perylene-d12
 Concen: 20.00 ng m
 RT: 17.07 min Scan# 1390
 Delta R.T. 0.37 min
 Lab File: BF079928.D
 Acq: 12 Jun 2015 8:42

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	19.3	28.9
265	22.5	17.0	25.6





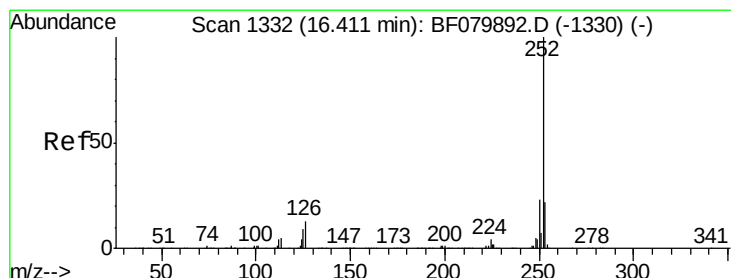
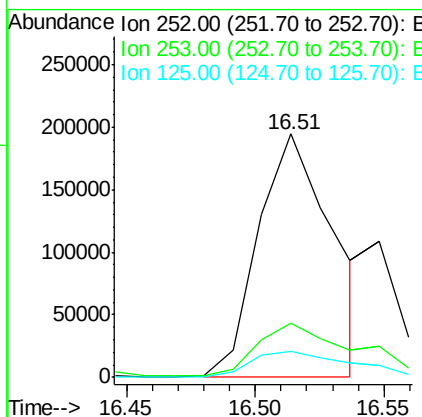
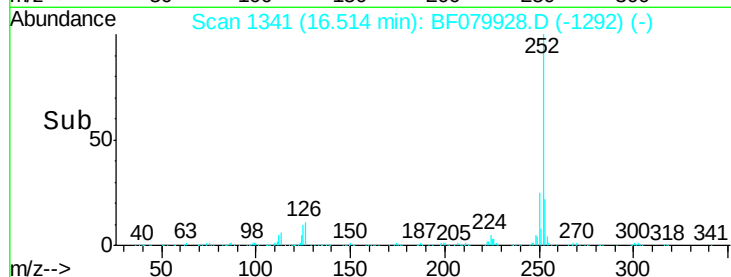
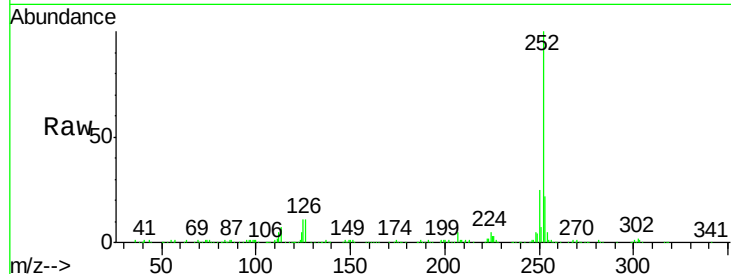
#87
Benzo(b)fluoranthene
Concen: 24.80 ng m
RT: 16.51 min Scan# 1341
Delta R.T. 0.35 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Instrument :
BNA_F
ClientSampled :
FM4

Tot Ion	Ratio	Resp	Lower	Upper
252	100	394812		
253	22.3	17.8	26.6	
125	10.6	6.5	9.7	

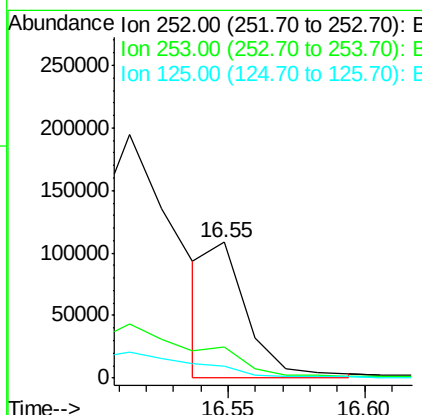
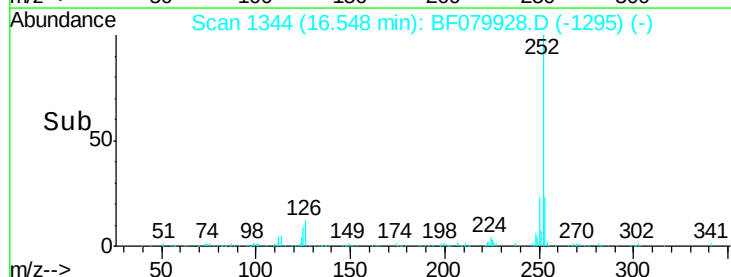
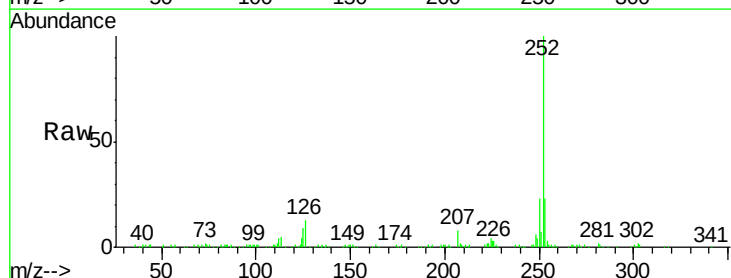
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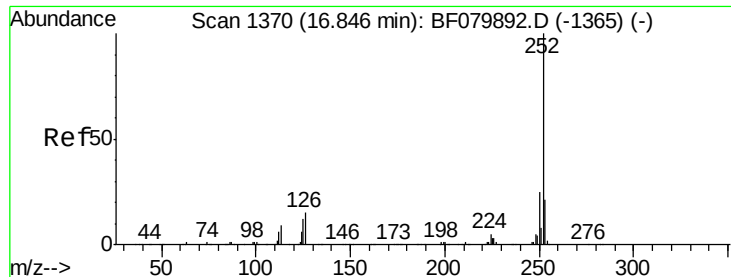
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#88
Benzo(k)fluoranthene
Concen: 6.57 ng m
RT: 16.55 min Scan# 1344
Delta R.T. 0.35 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	106728		
253	23.3	17.4	26.2	
125	8.9	7.4	11.0	





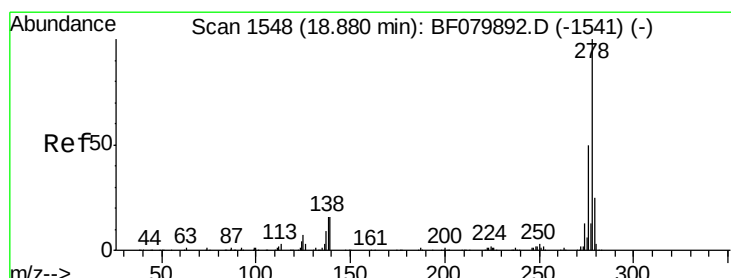
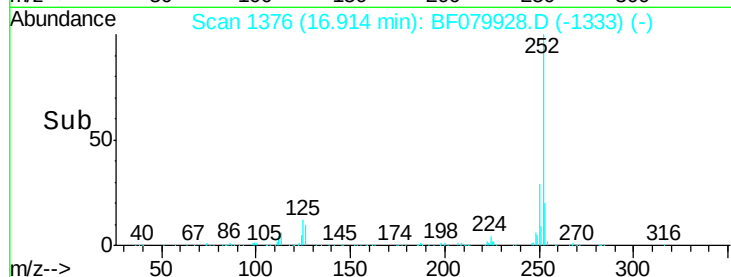
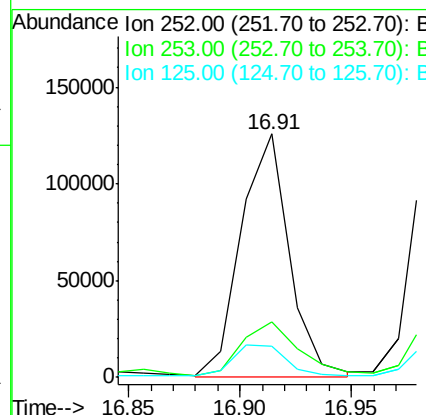
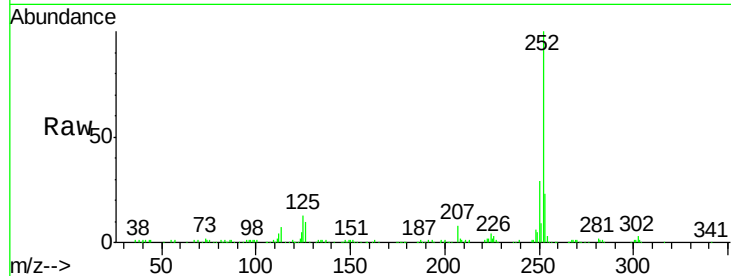
#89
Benzo(a)pyrene
Concen: 12.57 ng m
RT: 16.91 min Scan# 1376
Delta R.T. 0.29 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Instrument :
BNA_F
ClientSampleId :
FM4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	12.7	9.7	14.5

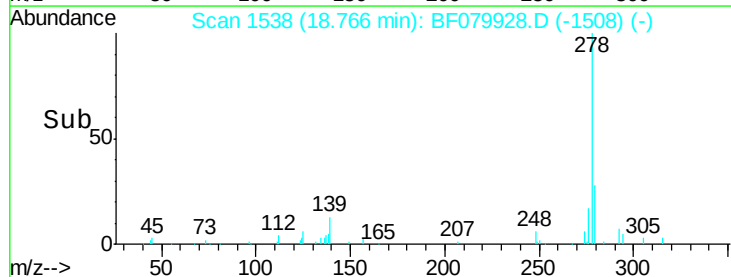
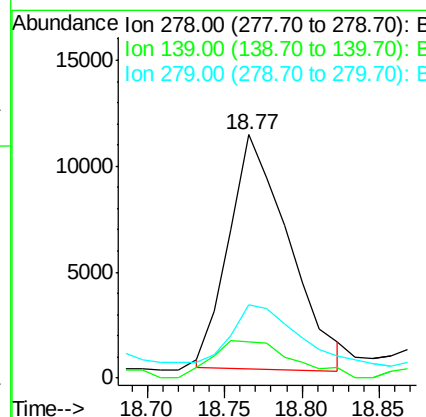
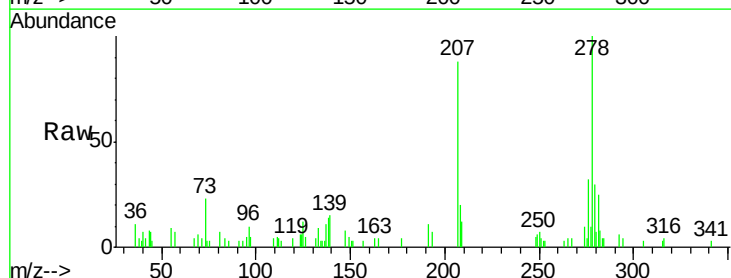
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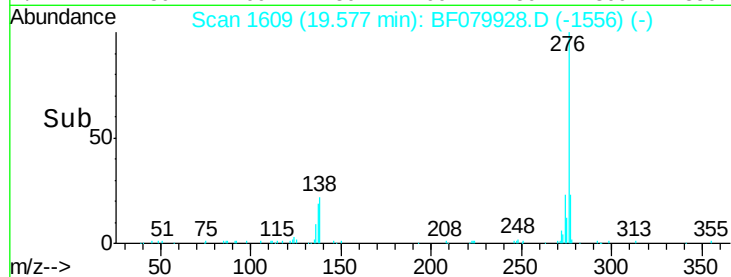
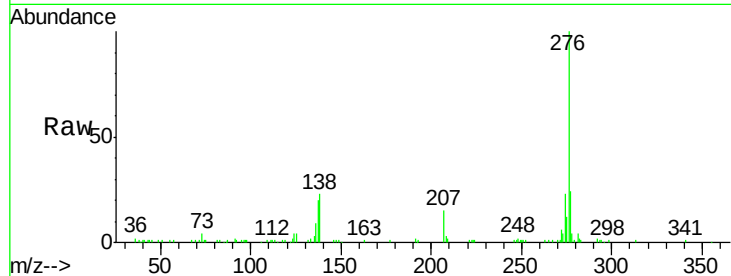
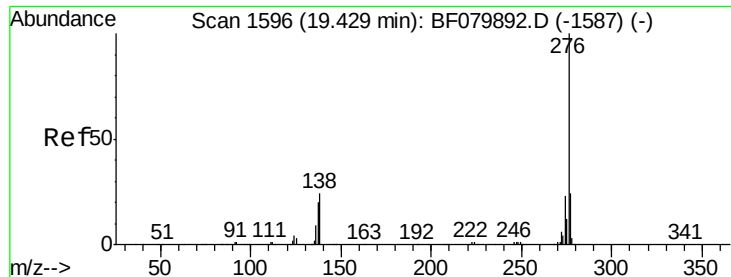
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#90
Dibenzo(a,h)anthracene
Concen: 2.01 ng m
RT: 18.77 min Scan# 1538
Delta R.T. 0.14 min
Lab File: BF079928.D
Acq: 12 Jun 2015 8:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.8	19.2
279	29.9	19.7	29.5#





#91

Benzo(a,h,i)perylene

Concen: 11.97 ng/mL

RT: 19.58 min Scan# 1609

Delta R.T. 0.40 min

Lab File: BF079928.D

Acq: 12 Jun 2015 8:42

Tot Ion:	276	Resp:	184317
Ion Ratio		Lower	Upper
276	100		
277	24.5	19.4	29.2
138	23.1	19.1	28.7

Instrument :

BNA_F

ClientSampleId :

FM4

Manual Integrations
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