

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
 Data File : BF079759.D
 Acq On : 6 Jun 2015 6:55
 Operator : TP/IZ
 Sample : G2450-22 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT440NB6.5(4)

Manual Integrations
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Quant Time: Jun 08 16:37:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 15:29:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	49028	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	204470	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	116287	20.00	ng	0.00
63) Phenanthrene-d10	12.07	188	224154	20.00	ng	0.00
75) Chrysene-d12	15.03	240	264749	20.00	ng	0.09
86) Perylene-d12	16.96	264	251459	20.00	ng	0.14
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	156351	53.45	ng	0.00
7) Phenol-d6	7.08	99	211250	55.91	ng	0.00
23) Nitrobenzene-d5	8.04	82	111161	33.38	ng	0.00
41) 2,4,6-Tribromophenol	11.36	330	55478	49.88	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	242341	28.23	ng	0.00
78) Terphenyl-d14	13.75	244	276145	23.89	ng	0.03
Target Compounds						Qvalue
37) 2-Methylnaphthalene	9.50	142	78891	11.57	ng	98
54) Dibenzofuran	10.76	168	29875	2.73	ng	# 87
70) Phenanthrene	12.10	178	508458	38.74	ng	97
71) Anthracene	12.15	178	81476	6.30	ng	96
74) Fluoranthene	13.36	202	88976	6.19	ng	97
77) Pyrene	13.61	202	473302	29.16	ng	99
80) Benzo(a)anthracene	15.01	228	140402	8.66	ng	# 75
82) Chrysene	15.05	228	157217	10.49	ng	# 89
85) Indeno(1,2,3-cd)pyrene	18.96	276	39682	2.29	ng	92
87) Benzo(b)fluoranthene	16.39	252	63226m	4.05	ng	
89) Benzo(a)pyrene	16.88	252	94328	6.54	ng	# 88
91) Benzo(a,h,i)perylene	19.57	276	134472	9.35	ng	97

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

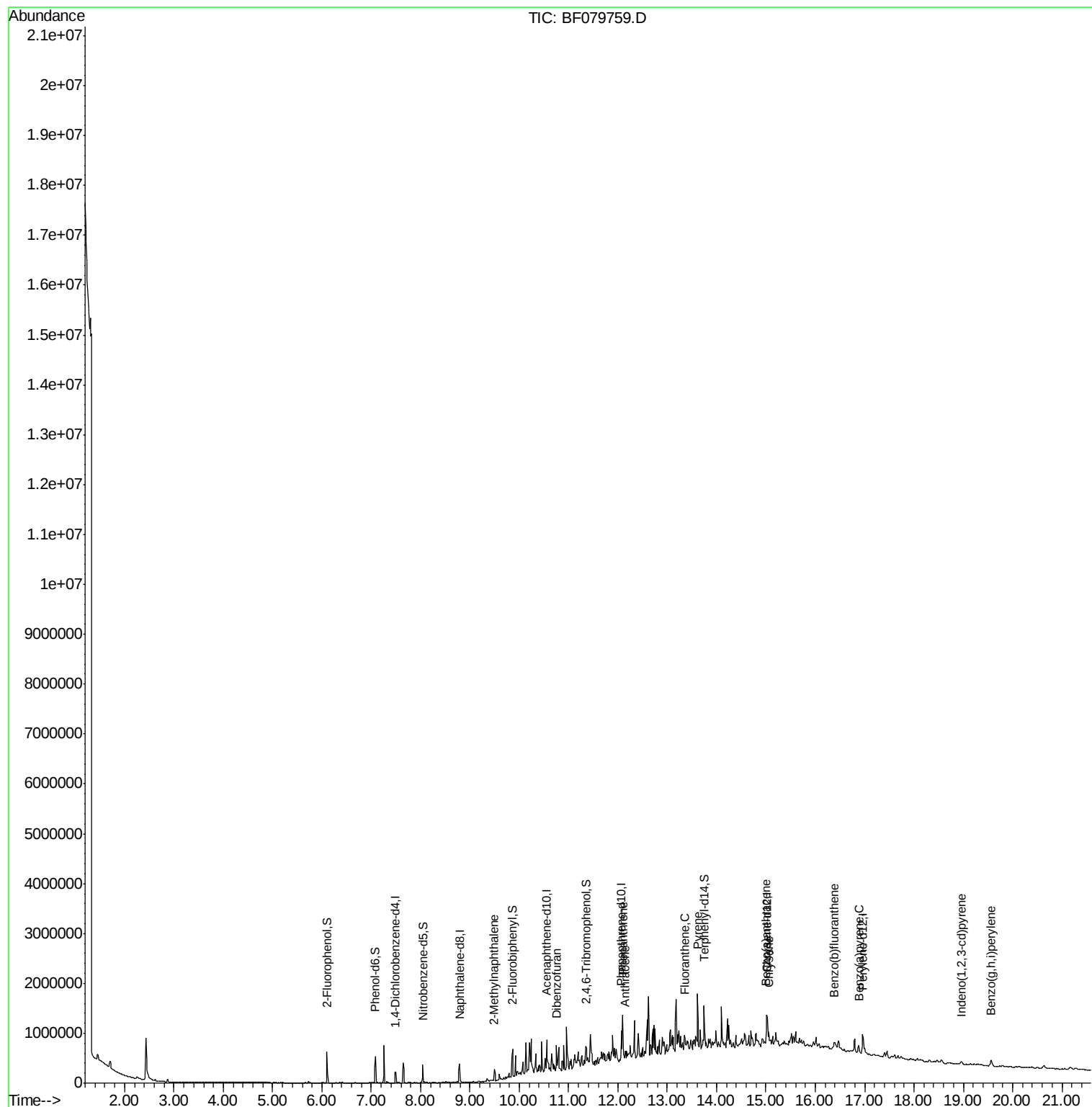
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Data File : BF079759.D
Acq On : 6 Jun 2015 6:55
Operator : TP/IZ
Sample : G2450-22 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

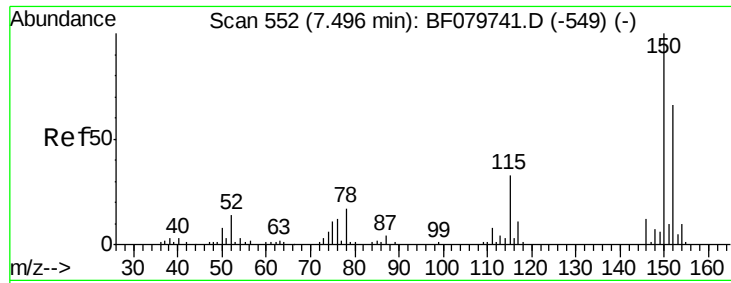
Instrument :
BNA_F
ClientSampleId :
RT440NB6.5(4)

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Quant Time: Jun 08 16:37:43 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 15:29:07 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.50 min Scan# 552

Delta R.T. -0.00 min

Lab File: BF079759.D

Acq: 6 Jun 2015 6:55

Instrument :

BNA_F

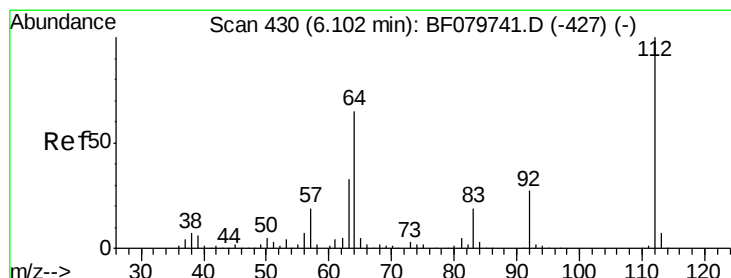
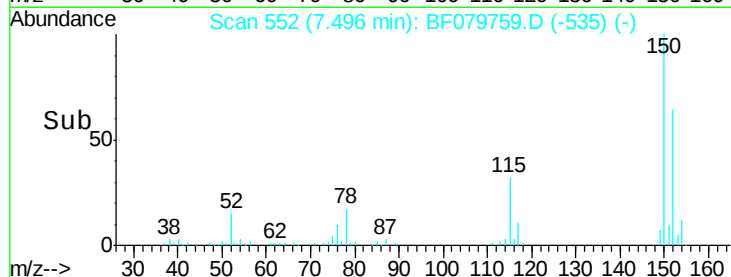
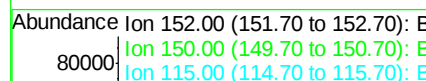
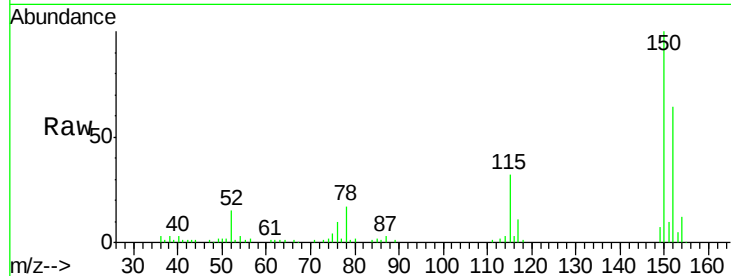
ClientSampleId :

RT440NB6.5(4)

Tot Ion:	152	Resp:	49028
Ion Ratio	Lower	Upper	
152	100		
150	155.7	128.1	192.1
115	49.5	49.7	74.5#

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#5

2-Fluorophenol

Concen: 53.45 ng

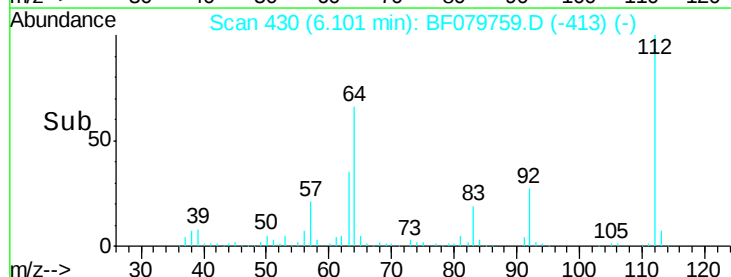
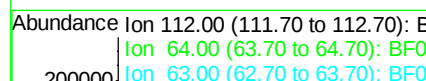
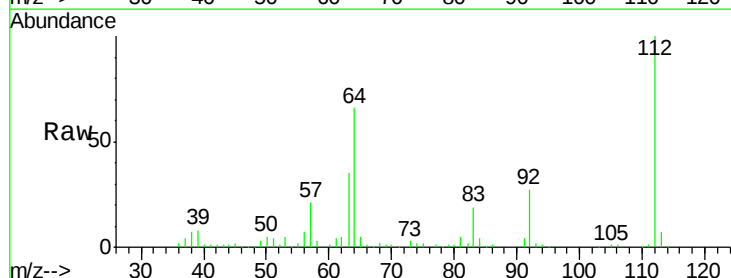
RT: 6.10 min Scan# 430

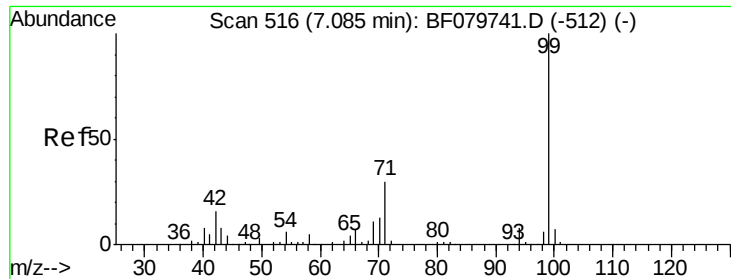
Delta R.T. -0.00 min

Lab File: BF079759.D

Acq: 6 Jun 2015 6:55

Tgt Ion:	112	Resp:	156351
Ion Ratio	Lower	Upper	
112	100		
64	66.3	49.6	74.4
63	34.5	24.9	37.3





#7

Phenol-d6

Concen: 55.91 ng

RT: 7.08 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF079759.D

Acq: 6 Jun 2015 6:55

Instrument :

BNA_F

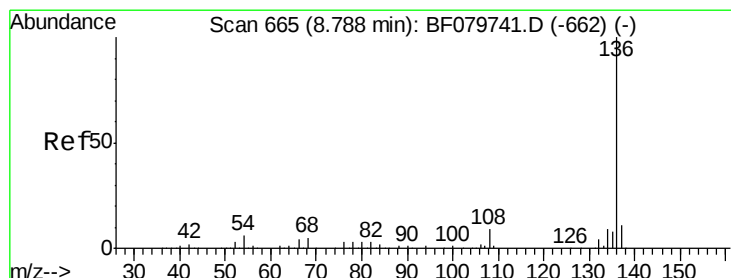
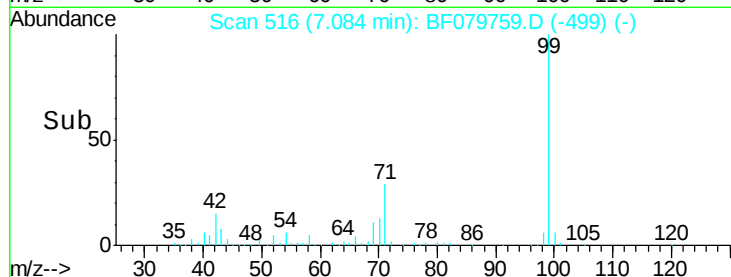
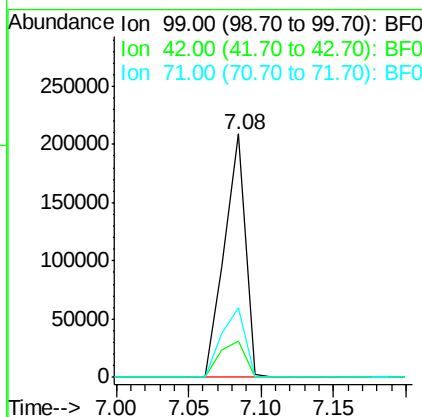
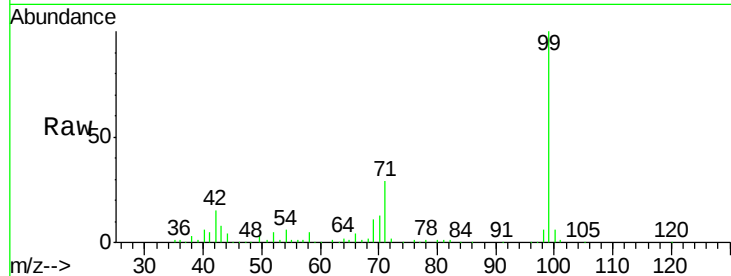
ClientSampleId :

RT440NB6.5(4)

Tot Ion:	99	Resp:	211250
Ion Ratio		Lower	Upper
99	100		
42	15.1	18.0	27.0#
71	28.8	28.4	42.6

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#21

Naphthalene-d8

Concen: 20.00 ng

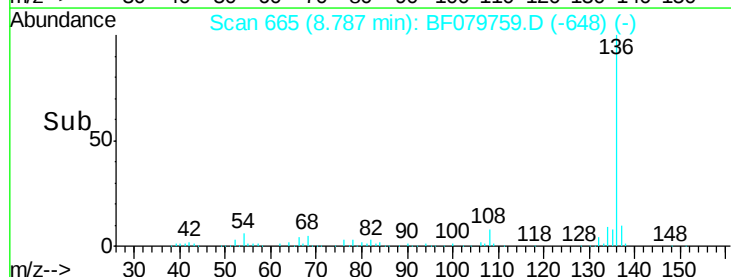
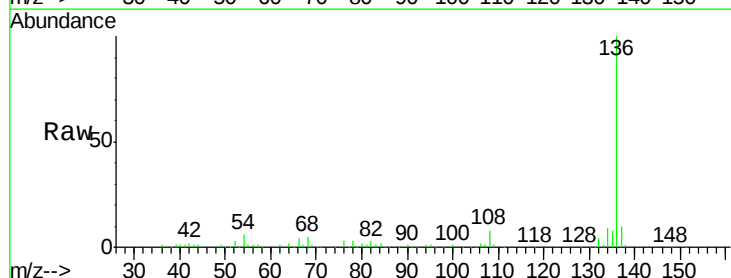
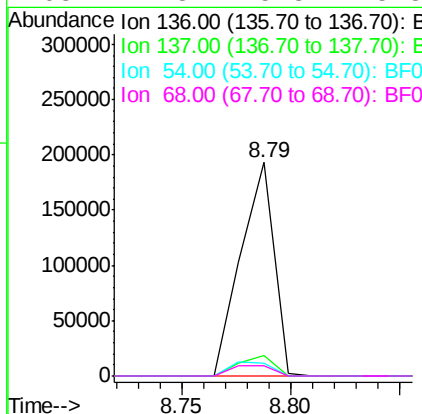
RT: 8.79 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF079759.D

Acq: 6 Jun 2015 6:55

Tgt Ion:	136	Resp:	204470
Ion Ratio		Lower	Upper
136	100		
137	9.8	8.8	13.2
54	5.8	8.7	13.1#
68	4.8	5.8	8.8#





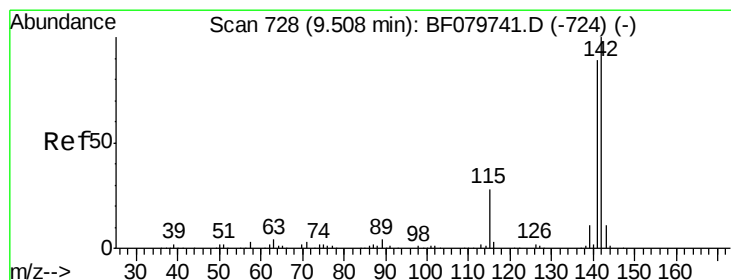
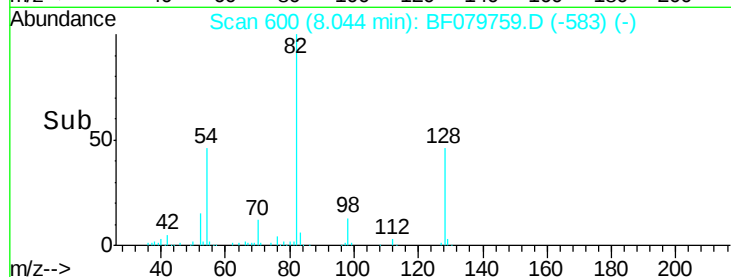
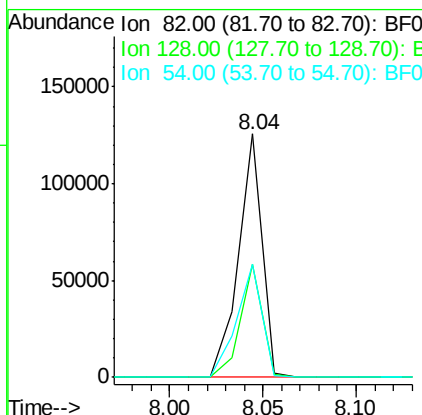
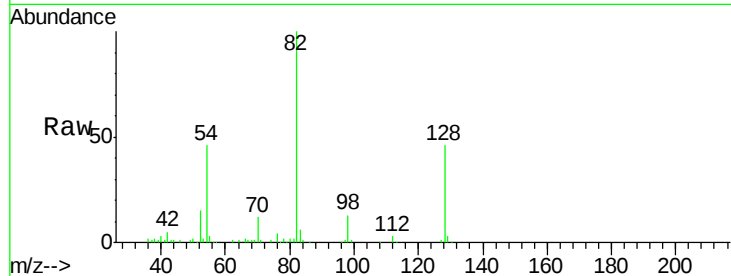
#23
Nitrobenzene-d5
Concen: 33.38 ng
RT: 8.04 min Scan# 600
Delta R.T. -0.00 min
Lab File: BF079759.D
Acq: 6 Jun 2015 6:55

Instrument :
BNA_F
ClientSampleId :
RT440NB6.5(4)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	111161		
128	46.4	37.6	56.4	
54	46.4	39.4	59.2	

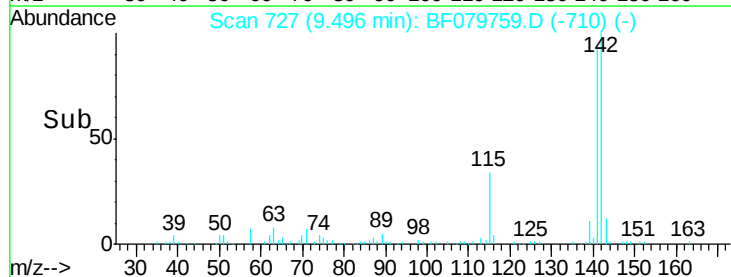
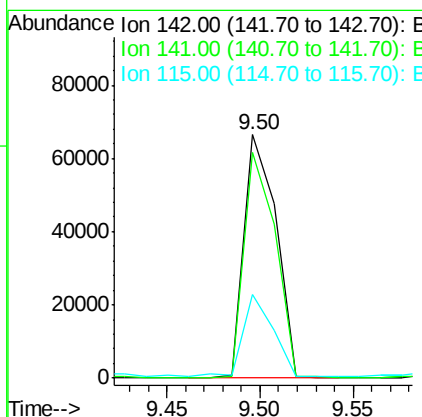
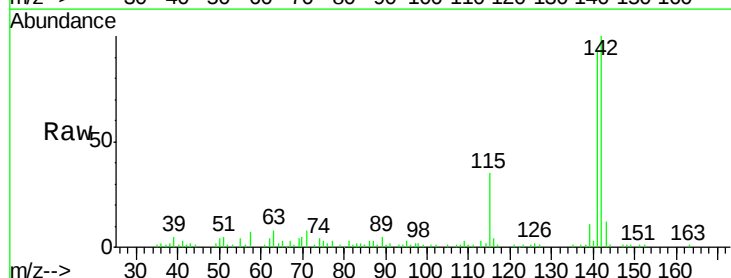
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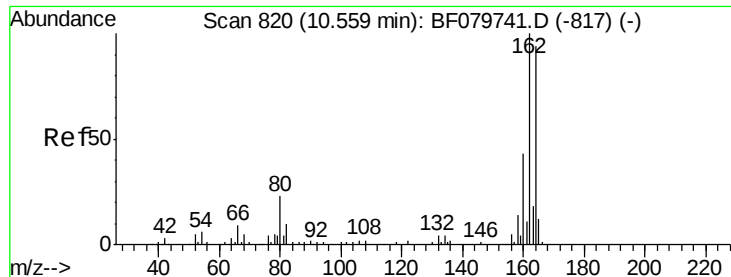
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#37
2-Methylnaphthalene
Concen: 11.57 ng
RT: 9.50 min Scan# 727
Delta R.T. -0.00 min
Lab File: BF079759.D
Acq: 6 Jun 2015 6:55

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	78891		
141	92.9	72.8	109.2	
115	34.6	26.9	40.3	





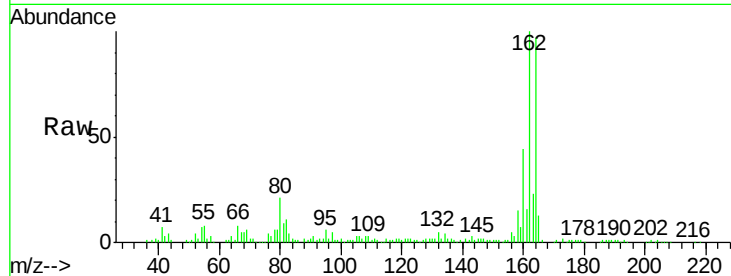
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.56 min Scan# 820
Delta R.T. -0.00 min
Lab File: BF079759.D
Acq: 6 Jun 2015 6:55

Instrument :
BNA_F
ClientSampleId :
RT440NB6.5(4)

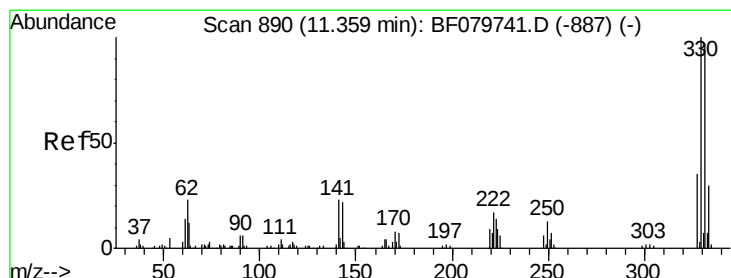
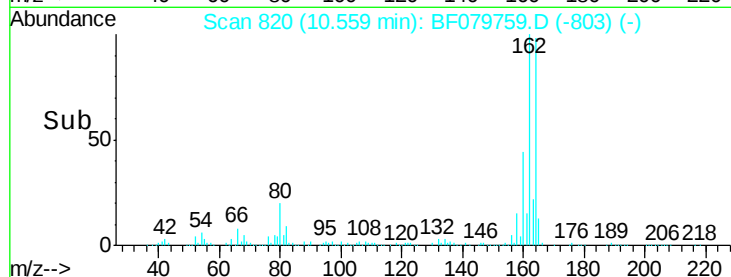
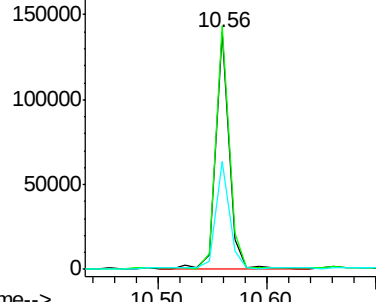
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	82.6	123.8	
160	45.4	36.8	55.2	

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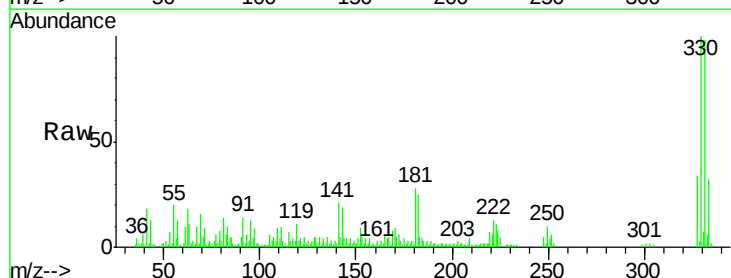


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

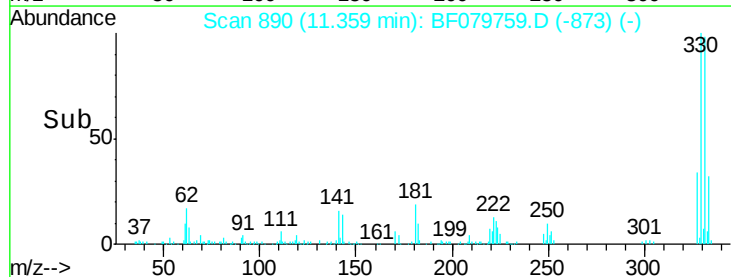
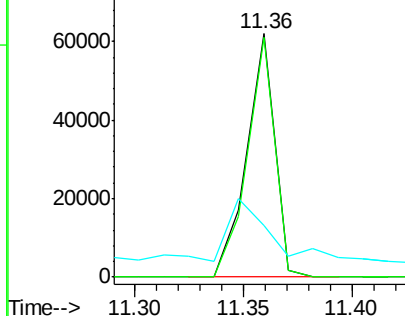


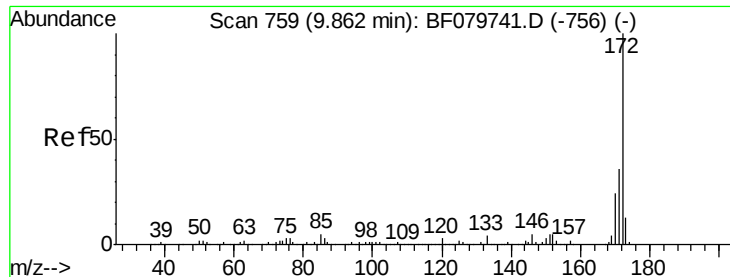
#41
2,4,6-Tribromophenol
Concen: 49.88 ng
RT: 11.36 min Scan# 890
Delta R.T. -0.00 min
Lab File: BF079759.D
Acq: 6 Jun 2015 6:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.4	77.4	116.0	
141	61.1	30.2	45.2#	



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





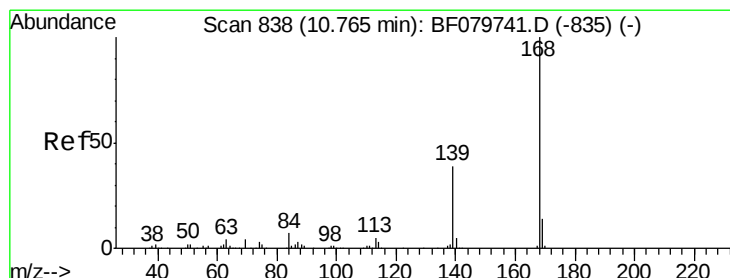
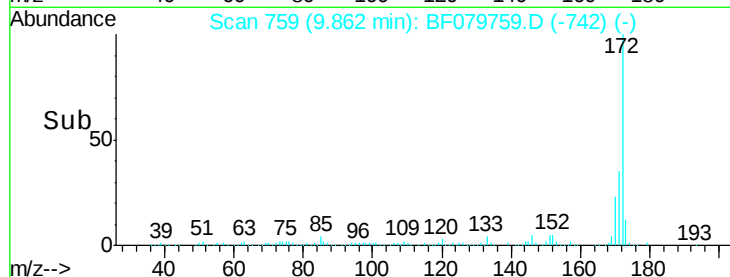
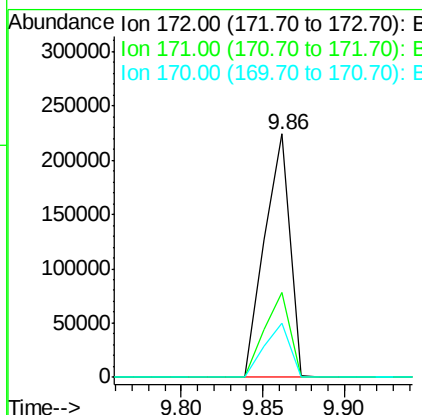
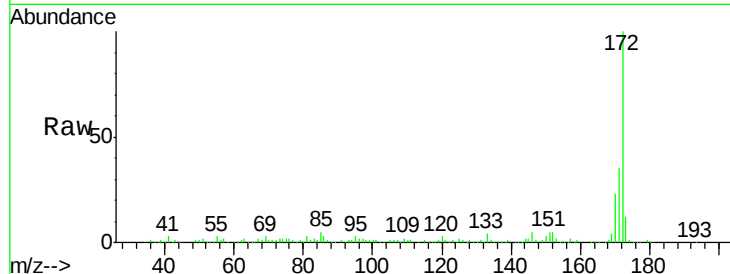
#44
2-Fluorobiphenyl
Concen: 28.23 ng
RT: 9.86 min Scan# 759
Delta R.T. -0.00 min
Lab File: BF079759.D
Acq: 6 Jun 2015 6:55

Instrument :
BNA_F
ClientSampleId :
RT440NB6.5(4)

Tot Ion:	172	Resp:	242341
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.4	44.0
170	22.5	19.7	29.5

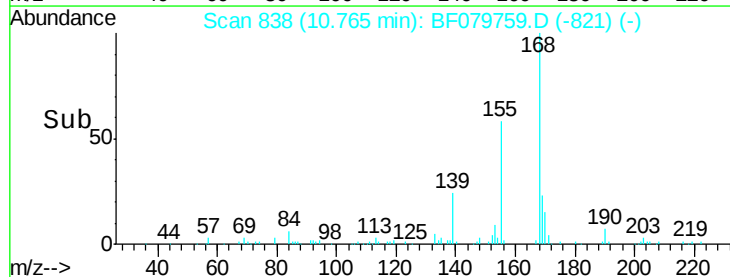
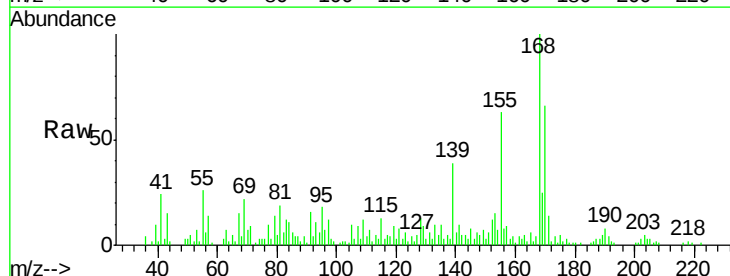
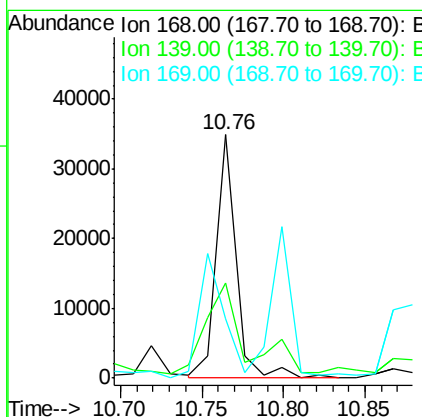
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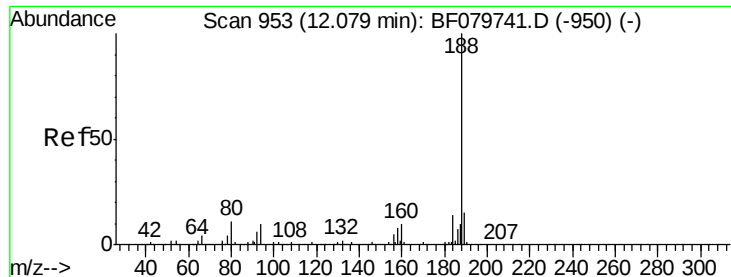
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#54
Dibenzofuran
Concen: 2.73 ng
RT: 10.76 min Scan# 838
Delta R.T. -0.00 min
Lab File: BF079759.D
Acq: 6 Jun 2015 6:55

Tgt Ion:	168	Resp:	29875
Ion Ratio	Lower	Upper	
168	100		
139	39.0	27.7	41.5
169	24.6	11.0	16.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.07 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF079759.D

Acq: 6 Jun 2015 6:55

Instrument :

BNA_F

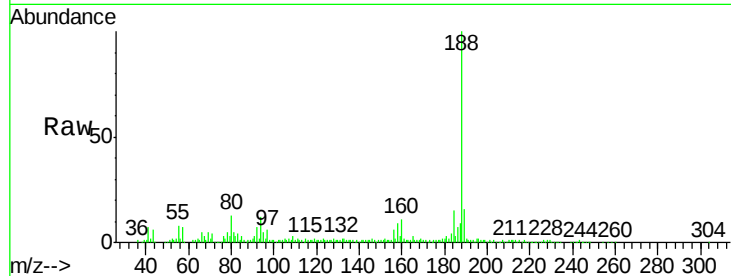
ClientSampleId :

RT440NB6.5(4)

Tot Ion:	188	Resp:	224154
Ion Ratio	Lower	Upper	
188	100		
94	11.8	5.0	7.4#
80	12.9	5.3	7.9#

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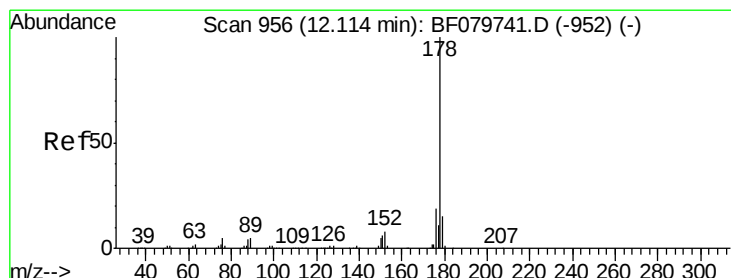
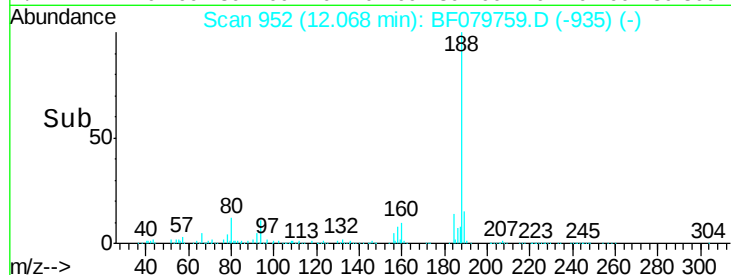
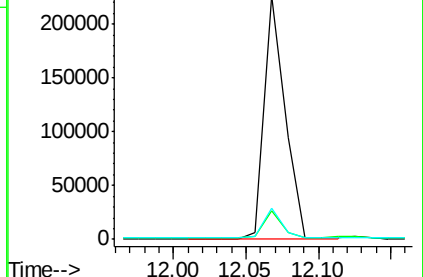
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 38.74 ng

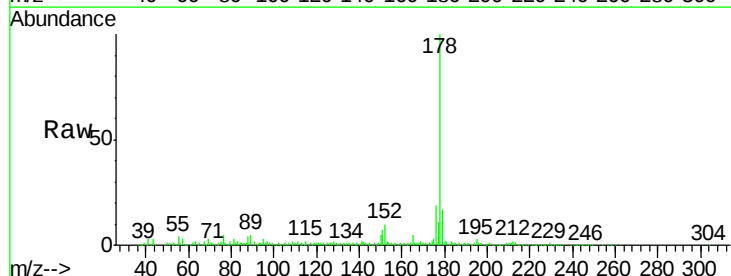
RT: 12.10 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF079759.D

Acq: 6 Jun 2015 6:55

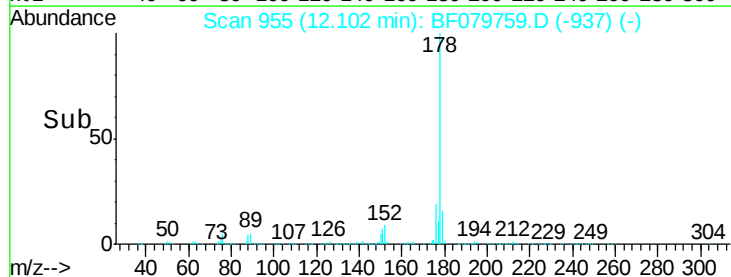
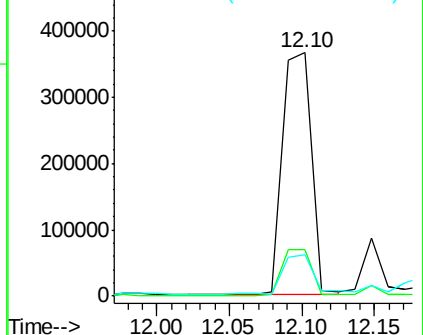
Tgt Ion:	178	Resp:	508458
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.2	24.4
179	17.1	12.6	19.0

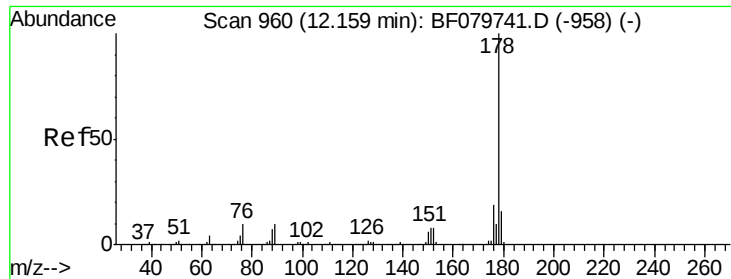


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





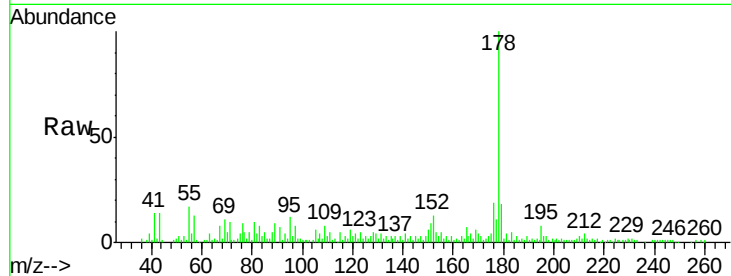
#71
 Anthracene
 Concen: 6.30 ng
 RT: 12.15 min Scan# 959
 Delta R.T. -0.00 min
 Lab File: BF079759.D
 Acq: 6 Jun 2015 6:55

Instrument :
 BNA_F
 ClientSampleId :
 RT440NB6.5(4)

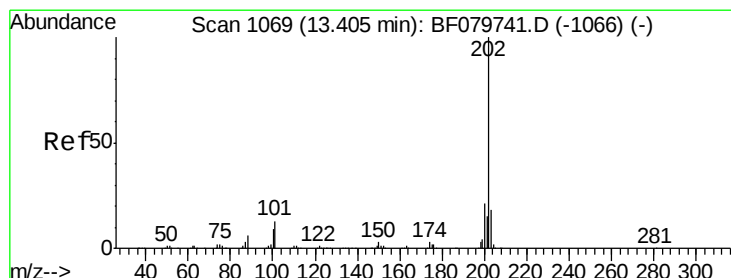
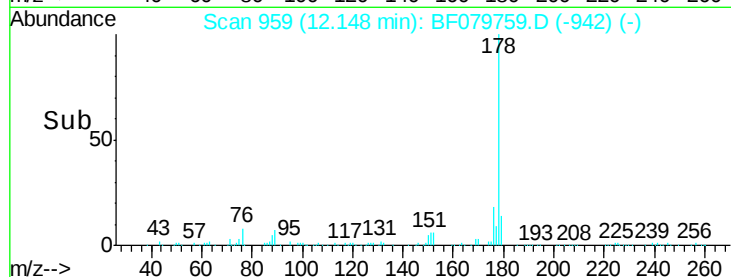
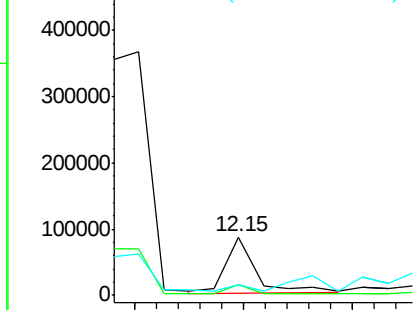
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.8	22.2
179	17.7	12.2	18.2

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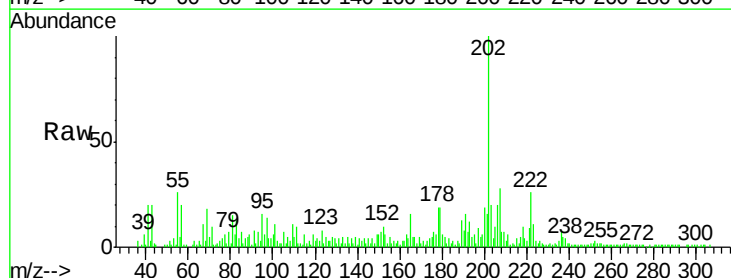


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

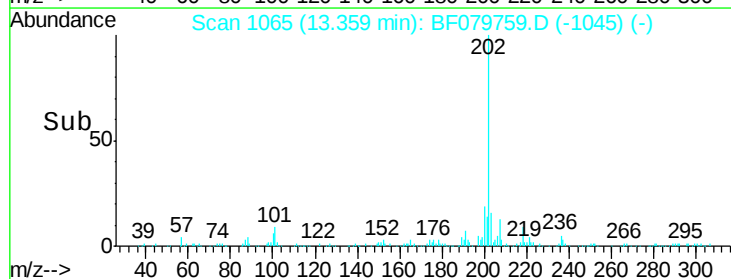
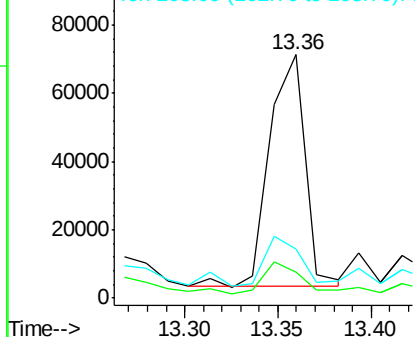


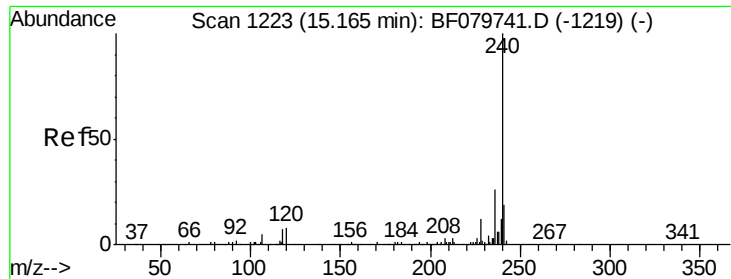
#74
 Fluoranthene
 Concen: 6.19 ng
 RT: 13.36 min Scan# 1065
 Delta R.T. 0.03 min
 Lab File: BF079759.D
 Acq: 6 Jun 2015 6:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.3
203	20.3	0.0	38.4



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





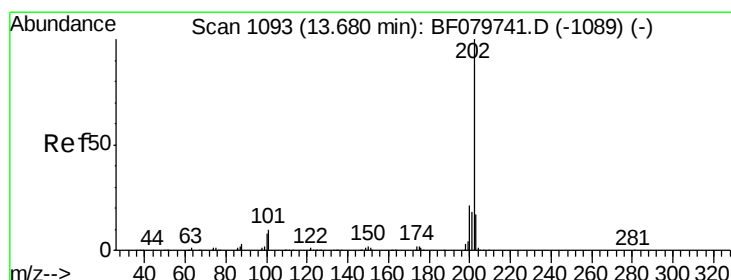
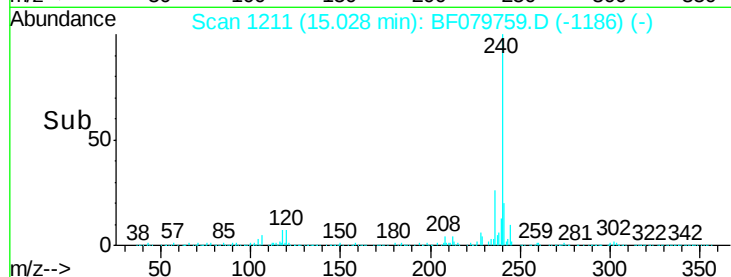
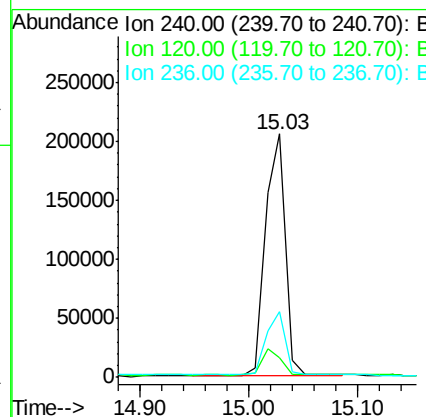
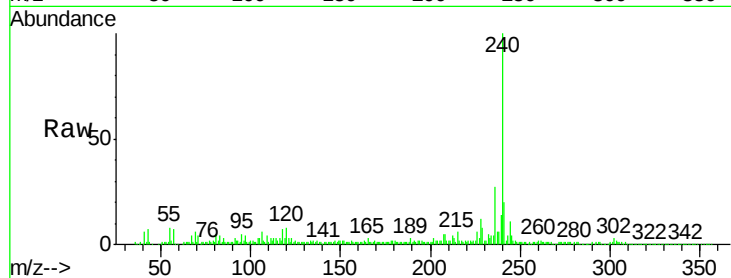
#75
 Chrvsene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1211
 Delta R.T. 0.09 min
 Lab File: BF079759.D
 Acq: 6 Jun 2015 6:55

Instrument :
 BNA_F
 ClientSampleId :
 RT440NB6.5(4)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	264749		
120	8.3	6.2	9.2	
236	27.1	21.0	31.4	

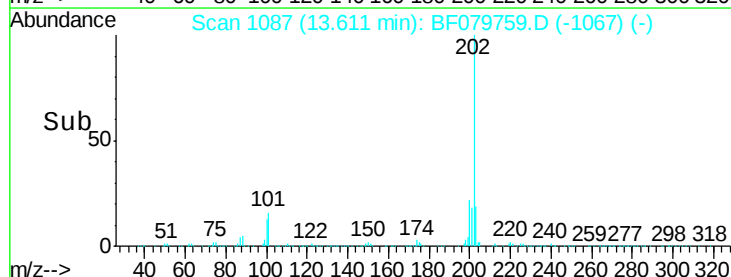
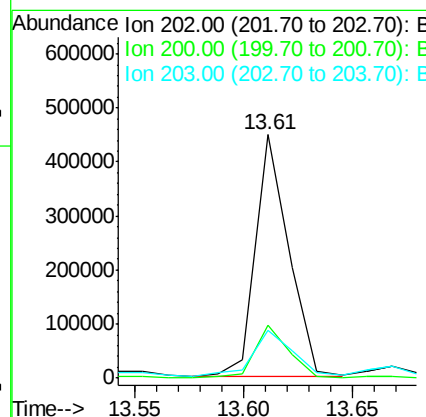
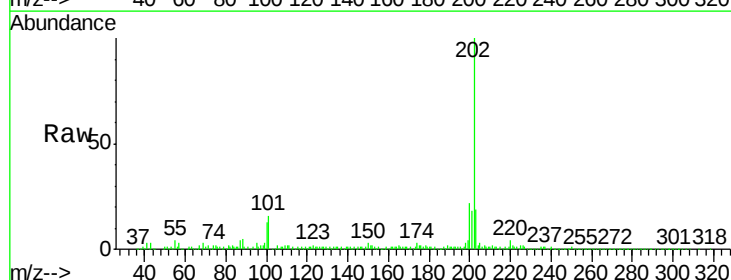
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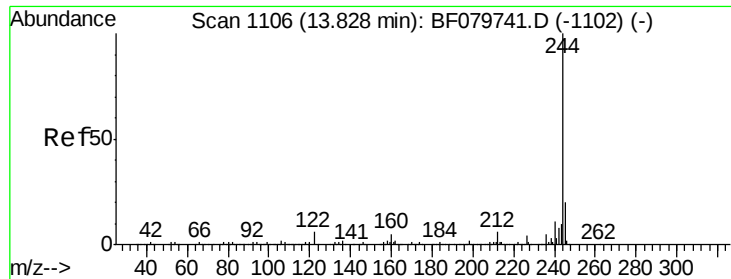
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#77
 Pyrene
 Concen: 29.16 ng
 RT: 13.61 min Scan# 1087
 Delta R.T. 0.03 min
 Lab File: BF079759.D
 Acq: 6 Jun 2015 6:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	473302		
200	21.6	17.5	26.3	
203	19.4	14.8	22.2	





#78

Terphenyl-d14

Concen: 23.89 ng

RT: 13.75 min Scan# 1099

Delta R.T. 0.03 min

Lab File: BF079759.D

Acq: 6 Jun 2015 6:55

Instrument :

BNA_F

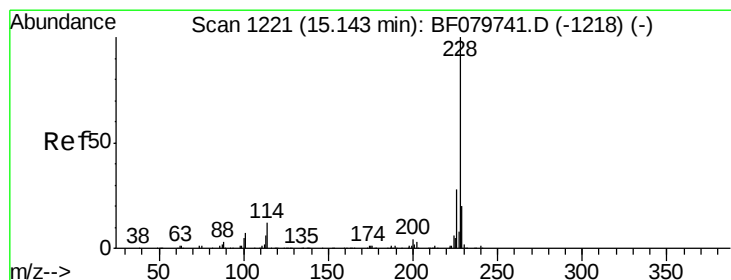
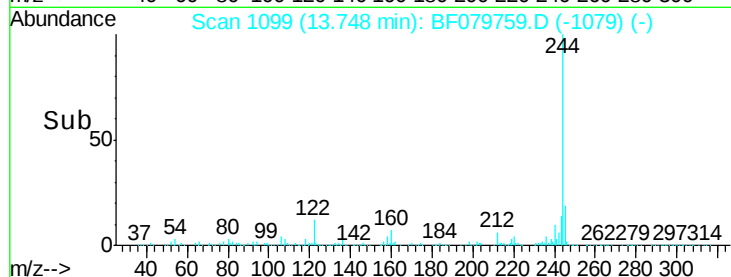
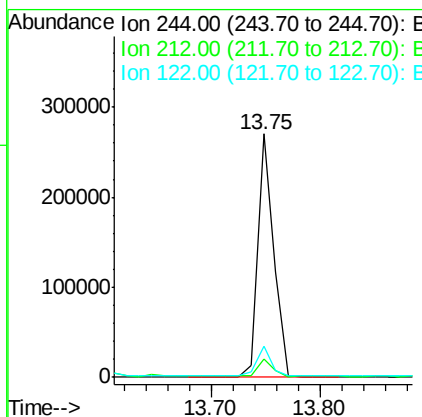
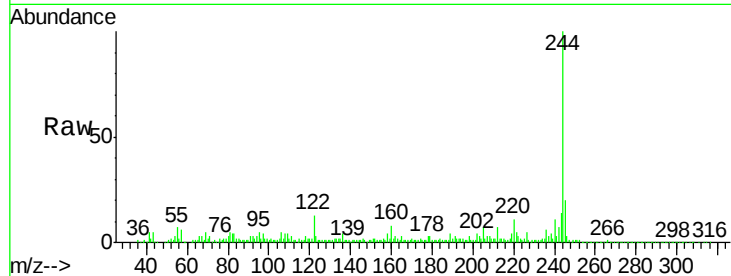
ClientSampleId :

RT440NB6.5(4)

Tot Ion:	244	Resp:	276145
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.1	9.1
122	12.9	9.3	13.9

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#80

Benzo(a)anthracene

Concen: 8.66 ng

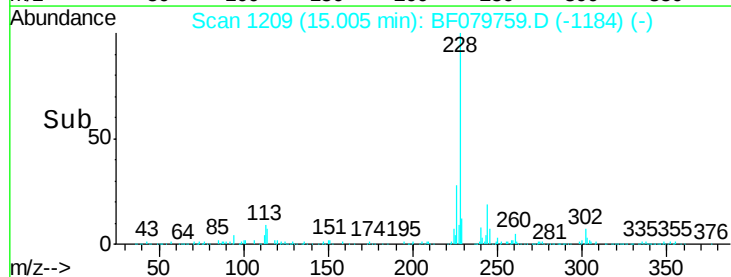
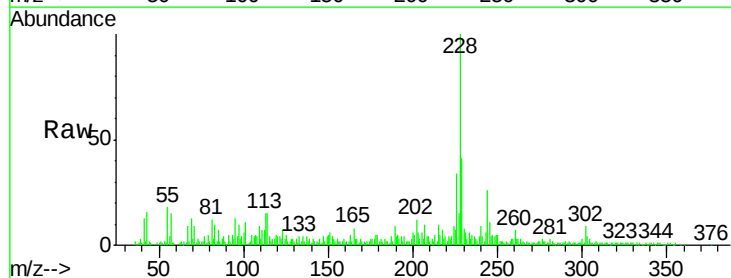
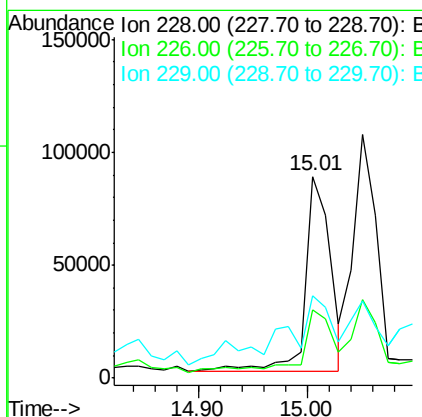
RT: 15.01 min Scan# 1209

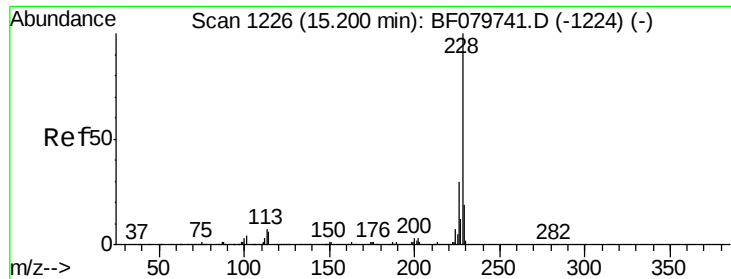
Delta R.T. 0.09 min

Lab File: BF079759.D

Acq: 6 Jun 2015 6:55

Tgt Ion:	228	Resp:	140402
Ion Ratio	Lower	Upper	
228	100		
226	34.1	22.2	33.4#
229	40.6	16.6	25.0#





#82

Chrysene

Concen: 10.49 ng

RT: 15.05 min Scan# 1213

Delta R.T. 0.09 min

Lab File: BF079759.D

Acq: 6 Jun 2015 6:55

Instrument :

BNA_F

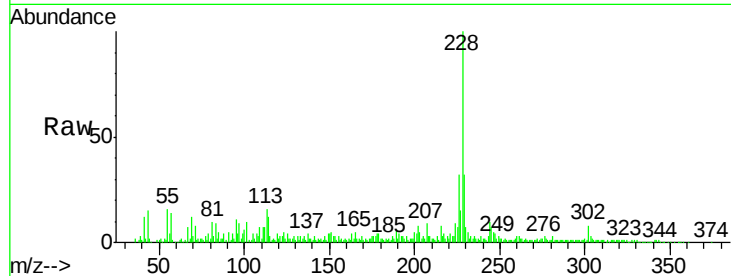
ClientSampleId :

RT440NB6.5(4)

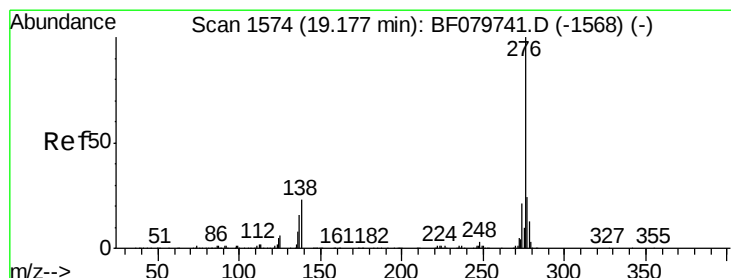
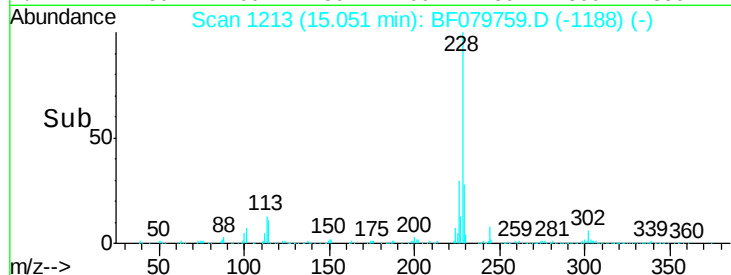
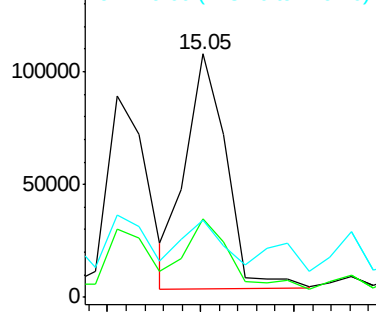
Tot Ion:	228	Resp:	157217
Ion Ratio	Lower	Upper	
228	100		
226	32.3	25.2	37.8
229	31.8	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.29 ng

RT: 18.96 min Scan# 1555

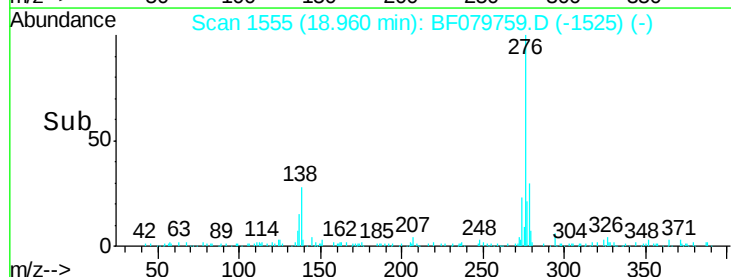
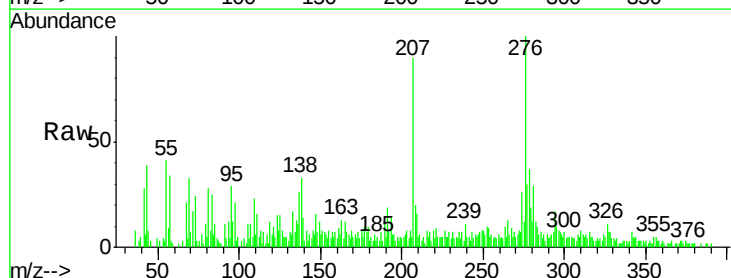
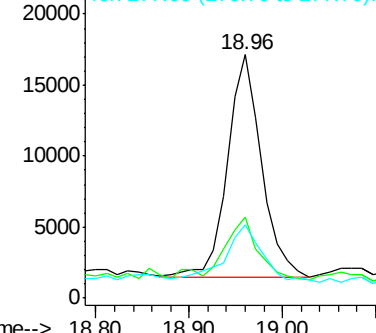
Delta R.T. 0.15 min

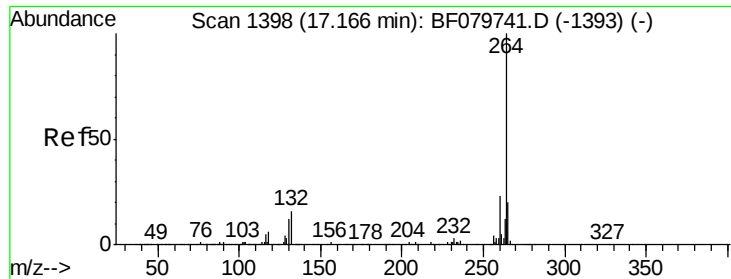
Lab File: BF079759.D

Acq: 6 Jun 2015 6:55

Tgt Ion:	276	Resp:	39682
Ion Ratio	Lower	Upper	
276	100		
138	29.6	20.8	31.2
277	29.5	20.0	30.0

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





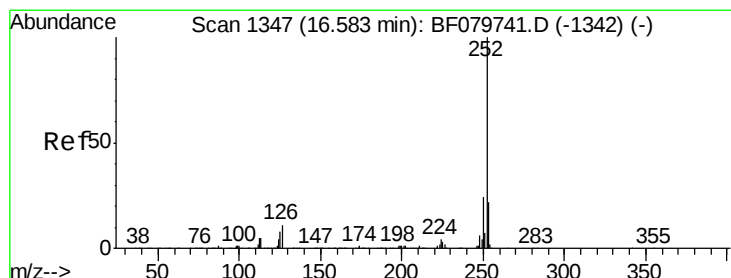
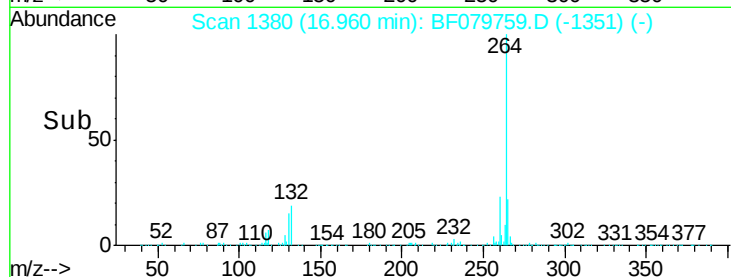
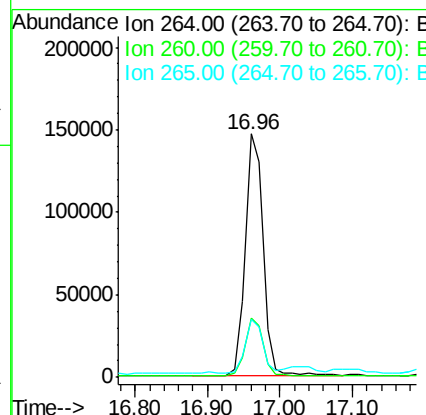
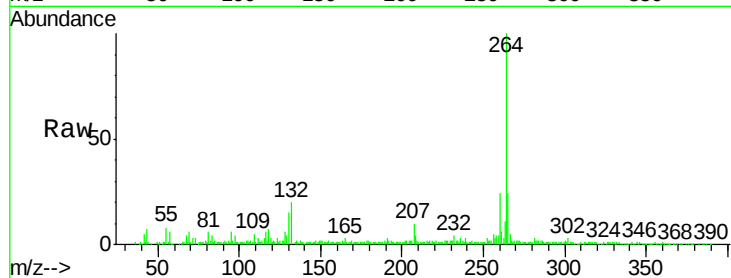
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.96 min Scan# 1380
Delta R.T. 0.14 min
Lab File: BF079759.D
Acq: 6 Jun 2015 6:55

Instrument :
BNA_F
ClientSampleId :
RT440NB6.5(4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.6	27.8
265	23.6	18.2	27.4

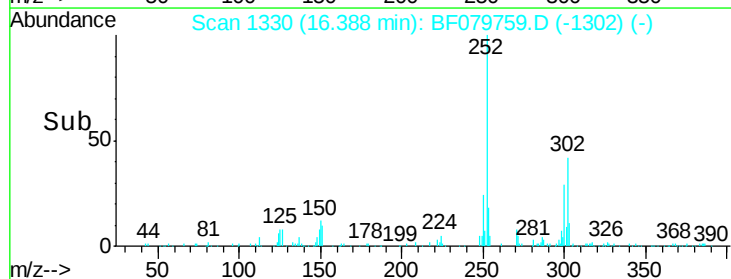
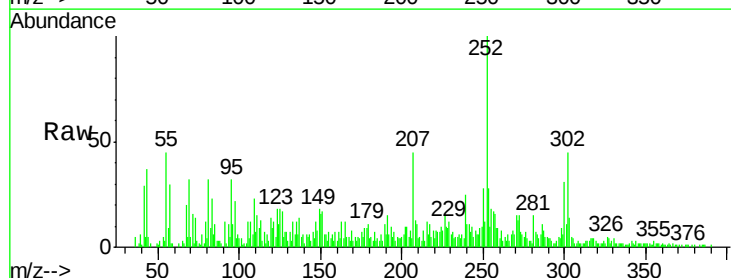
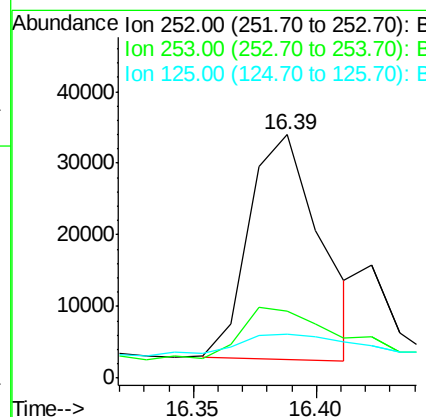
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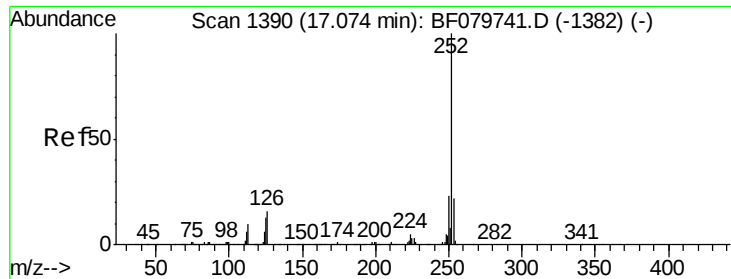
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#87
Benzo(b)fluoranthene
Concen: 4.05 ng m
RT: 16.39 min Scan# 1330
Delta R.T. 0.13 min
Lab File: BF079759.D
Acq: 6 Jun 2015 6:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.4	26.2#
125	18.2	6.5	9.7#





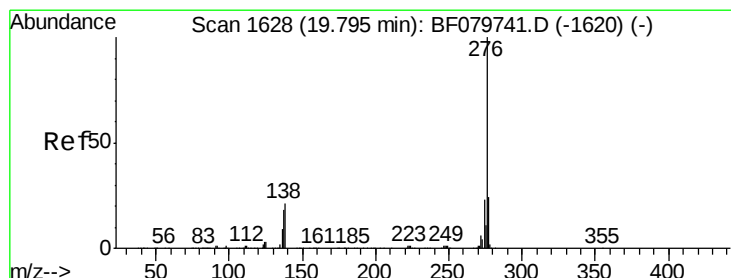
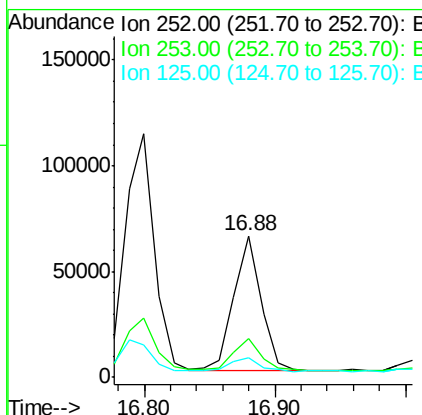
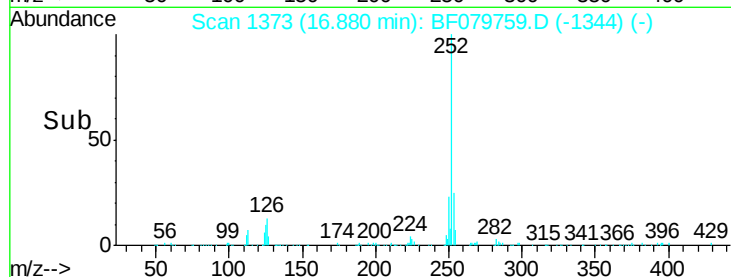
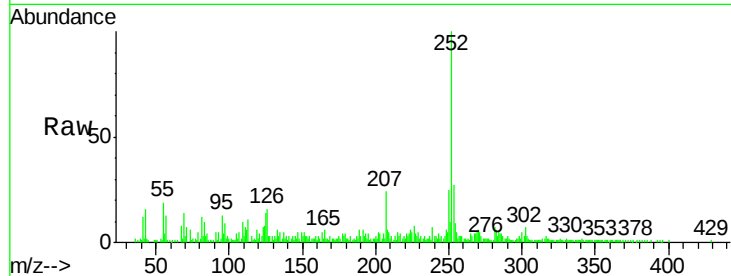
#89
Benzo(a)pyrene
Concen: 6.54 ng
RT: 16.88 min Scan# 1373
Delta R.T. 0.14 min
Lab File: BF079759.D
Acq: 6 Jun 2015 6:55

Instrument :
BNA_F
ClientSampleId :
RT440NB6.5(4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.6	26.4#
125	13.9	7.4	11.0#

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#91
Benzo(g,h,i)perylene
Concen: 9.35 ng
RT: 19.57 min Scan# 1608
Delta R.T. 0.15 min
Lab File: BF079759.D
Acq: 6 Jun 2015 6:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.8	28.2
138	22.9	18.2	27.2

