

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
 Data File : BF079755.D
 Acq On : 6 Jun 2015 5:00
 Operator : TP/IZ
 Sample : G2450-14 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT440NB6.1(8)

Manual Integrations
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apatel
 6/9/2015 8:10:44 AM

Quant Time: Jun 08 16:19:00 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	7.48	152	49520	20.00	ng	-0.01
21) Naphthalene-d8	8.79	136	202321	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	116411	20.00	ng	0.00
63) Phenanthrene-d10	12.07	188	231056	20.00	ng	0.00
75) Chrysene-d12	14.96	240	255014	20.00	ng	0.02
86) Perylene-d12	16.88	264	248811	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	67954	23.00	ng	0.00
7) Phenol-d6	7.07	99	84095	22.04	ng	-0.01
23) Nitrobenzene-d5	8.04	82	40938	12.42	ng	0.00
41) 2,4,6-Tribromophenol	11.36	330	19718	17.71	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	105016	12.22	ng	0.00
78) Terphenyl-d14	13.73	244	131568	11.82	ng	0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	9.50	142	28060	4.16	ng	98
70) Phenanthrene	12.09	178	195539	14.45	ng	98
71) Anthracene	12.15	178	28581m	2.14	ng	
74) Fluoranthene	13.34	202	67675	4.57	ng	96
77) Pyrene	13.59	202	160238	10.25	ng	99
80) Benzo(a)anthracene	14.95	228	58447	3.74	ng	# 85
82) Chrysene	14.99	228	58344	4.04	ng	# 93
87) Benzo(b)fluoranthene	16.31	252	46966m	3.04	ng	
89) Benzo(a)pyrene	16.80	252	45592	3.20	ng	# 92
91) Benzo(g,h,i)perylene	19.47	276	58843	4.13	ng	97

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

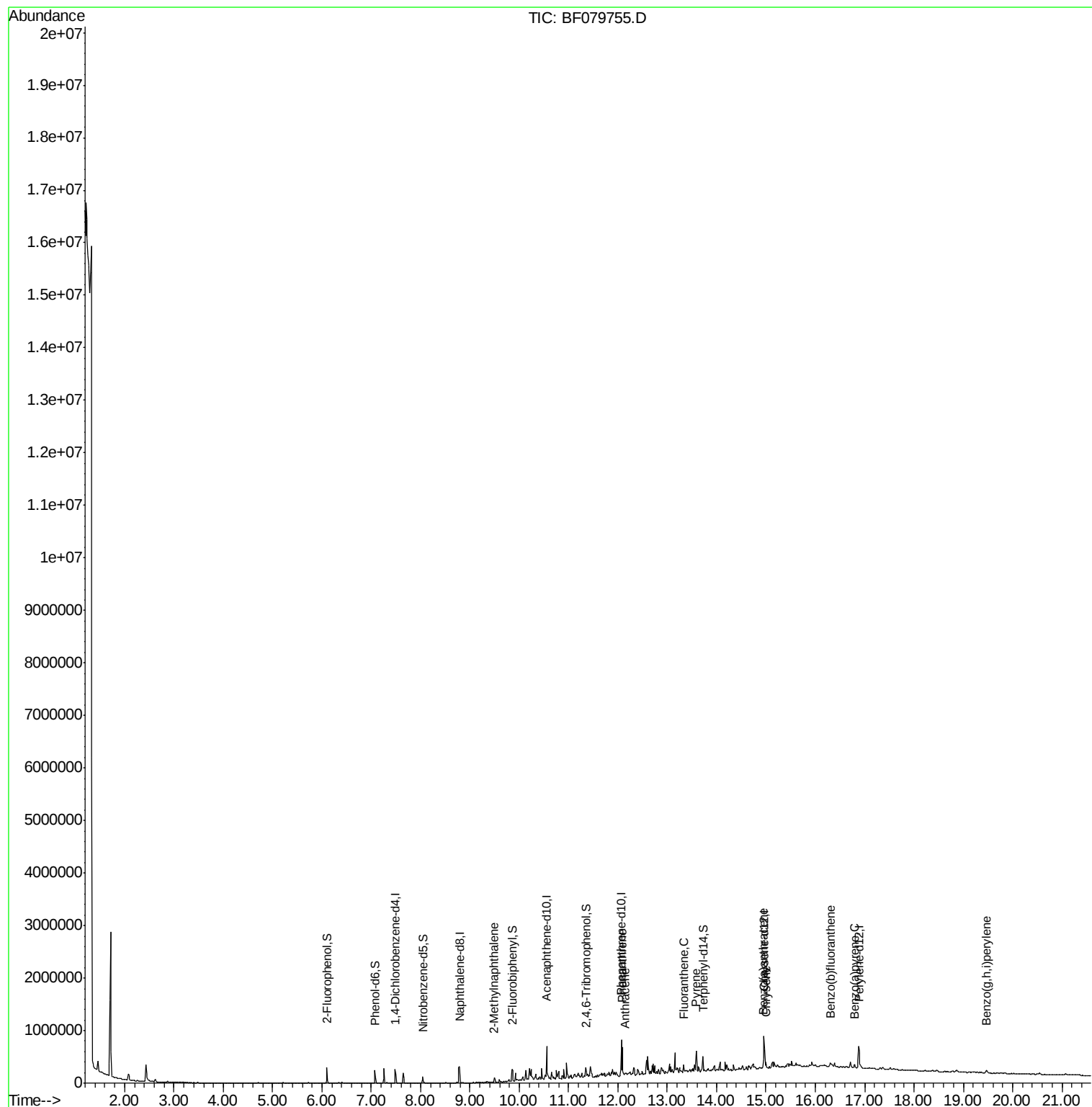
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079755.D
Acq On : 6 Jun 2015 5:00
Operator : TP/IZ
Sample : G2450-14 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

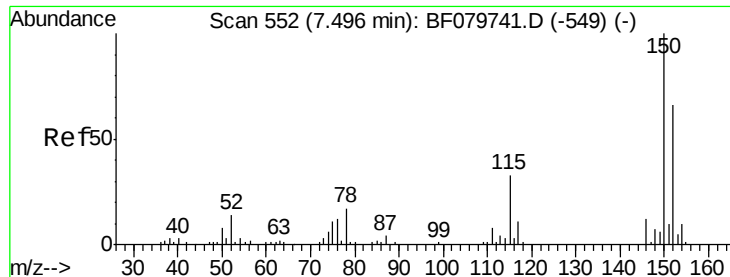
Instrument :
BNA_F
ClientSampleId :
RT440NB6.1(8)

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Quant Time: Jun 08 16:19:00 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

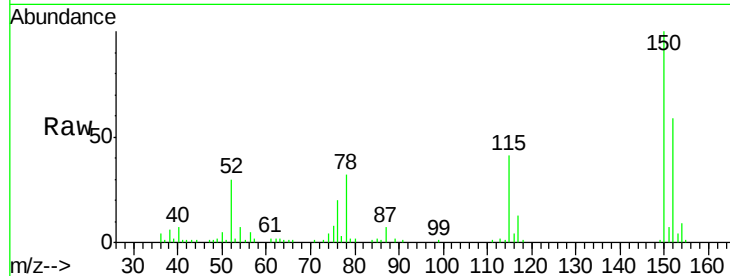
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.48 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

Instrument :
BNA_F
ClientSampleId :
RT440NB6.1(8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	169.0	128.1	192.1
115	69.4	49.7	74.5

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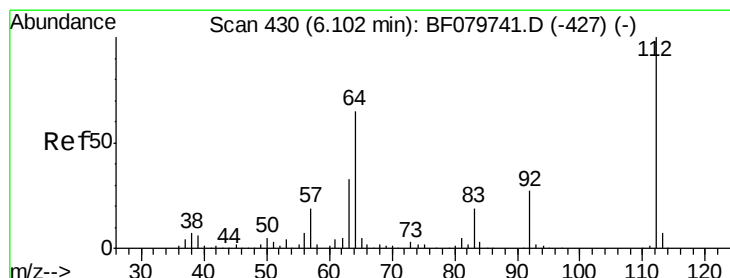
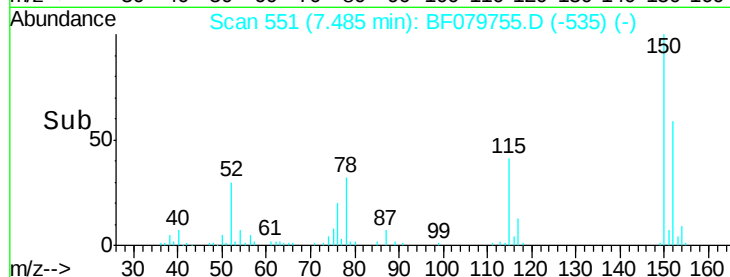
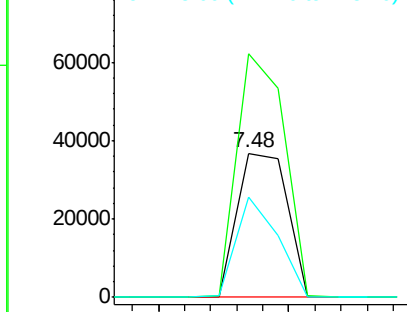


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

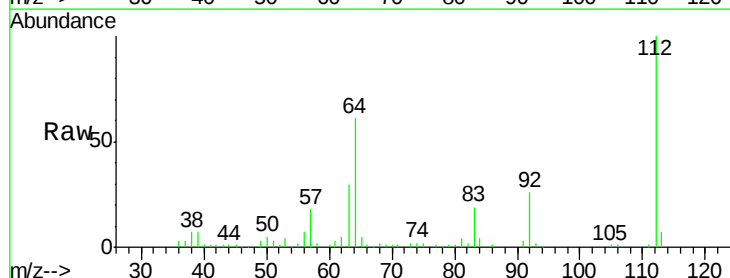
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 23.00 ng
RT: 6.10 min Scan# 430
Delta R.T. -0.00 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.6	74.4
63	30.2	24.9	37.3

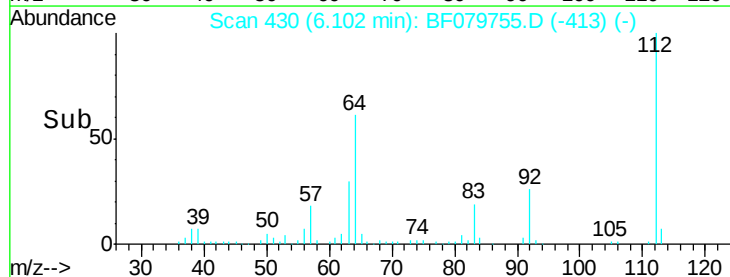
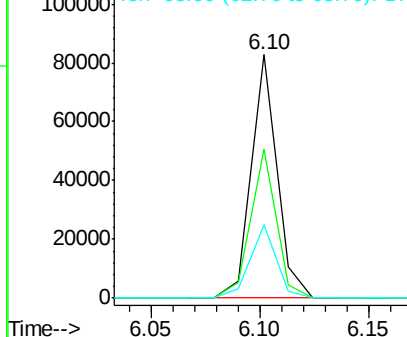


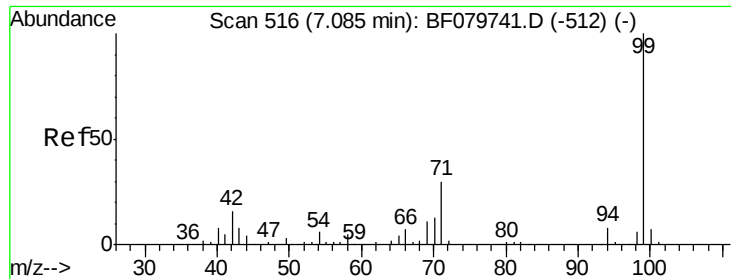
Abundance

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: 22.04 ng

RT: 7.07 min Scan# 515

Delta R.T. -0.01 min

Lab File: BF079755.D

Acq: 6 Jun 2015 5:00

Instrument :

BNA_F

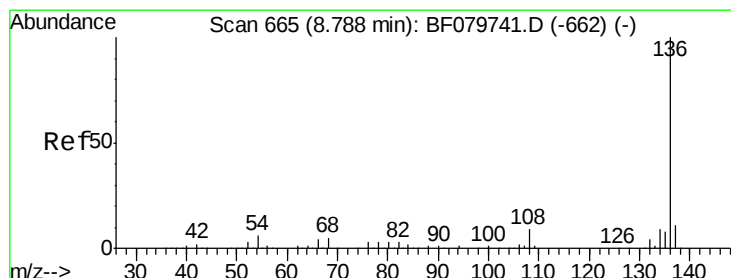
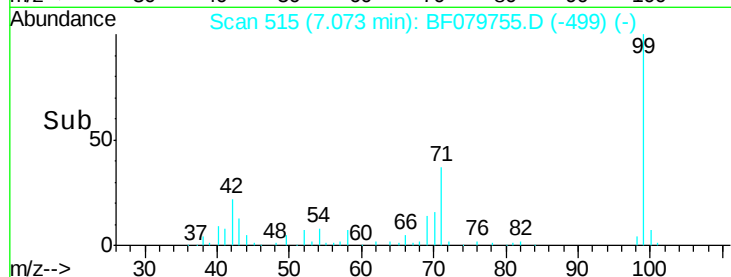
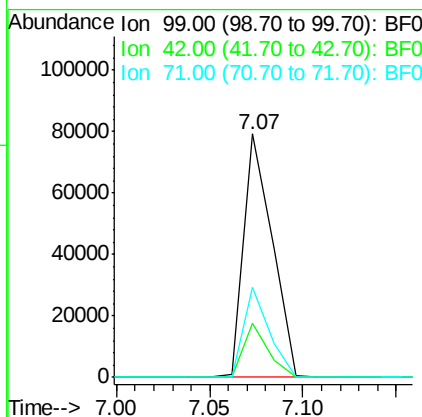
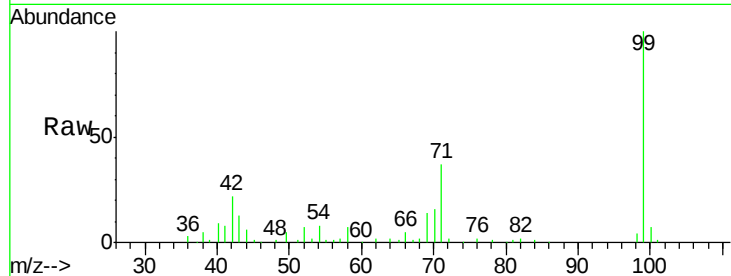
ClientSampleId :

RT440NB6.1(8)

Tot Ion:	99	Resp:	84095
Ion Ratio	Lower	Upper	
99	100		
42	22.0	18.0	27.0
71	37.2	28.4	42.6

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#21

Naphthalene-d8

Concen: 20.00 ng

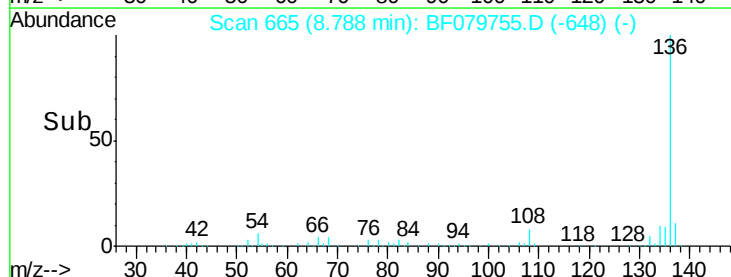
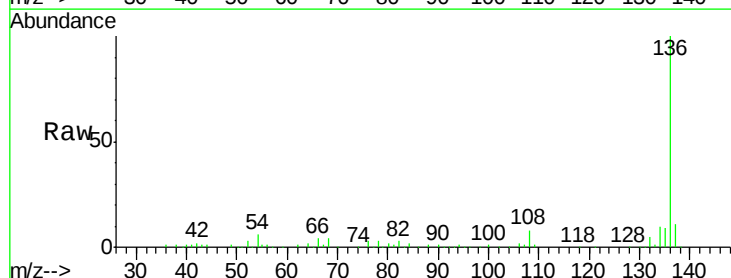
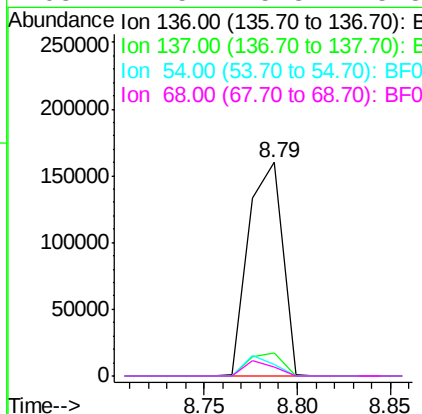
RT: 8.79 min Scan# 665

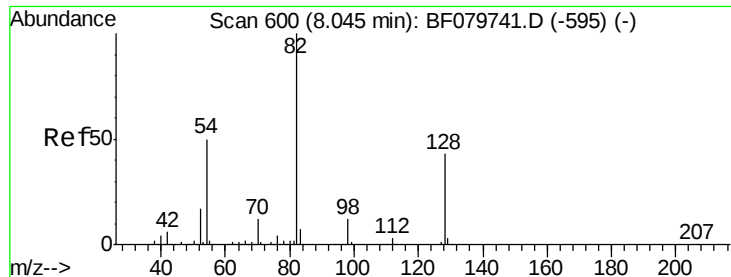
Delta R.T. -0.00 min

Lab File: BF079755.D

Acq: 6 Jun 2015 5:00

Tgt Ion:	136	Resp:	202321
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	5.7	8.7	13.1#
68	4.5	5.8	8.8#





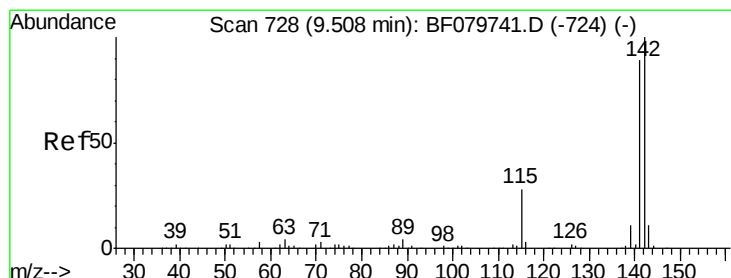
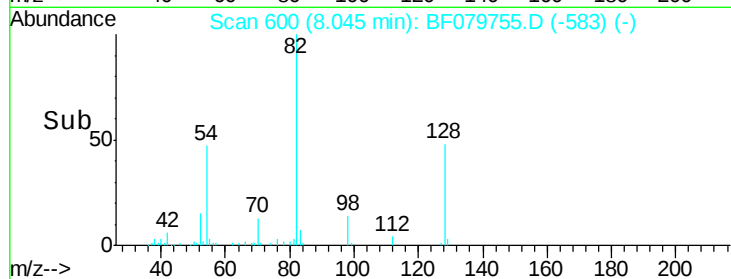
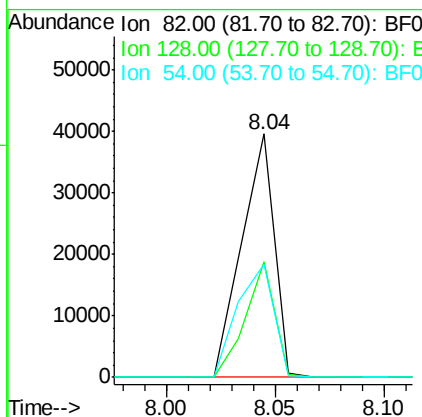
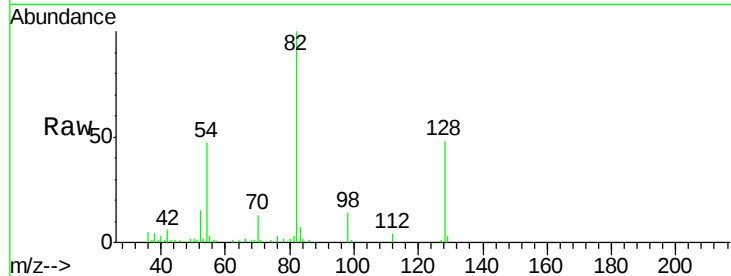
#23
Nitrobenzene-d5
Concen: 12.42 ng
RT: 8.04 min Scan# 600
Delta R.T. -0.00 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

Instrument :
BNA_F
ClientSampleId :
RT440NB6.1(8)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.6	56.4
54	46.6	39.4	59.2

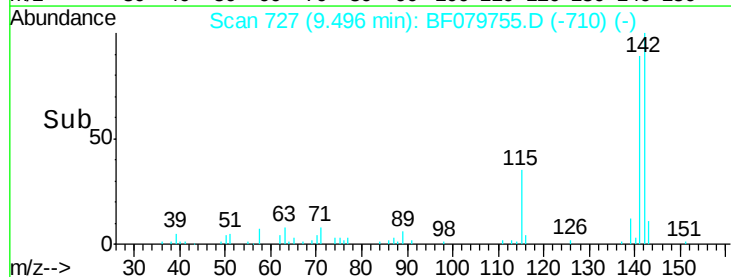
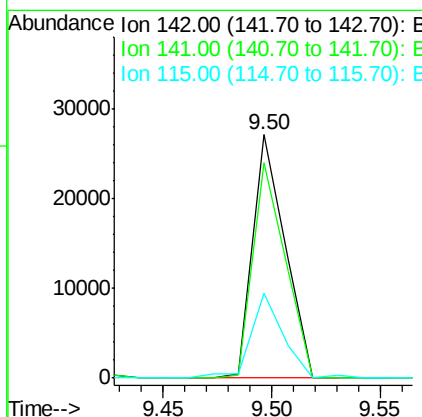
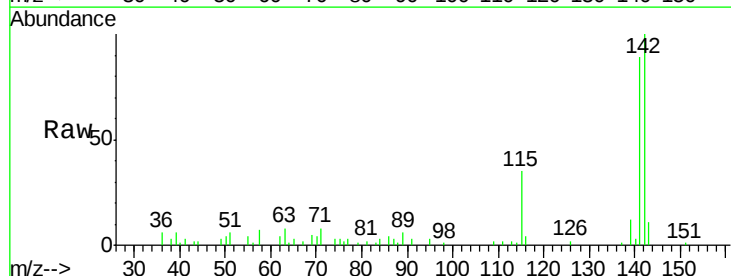
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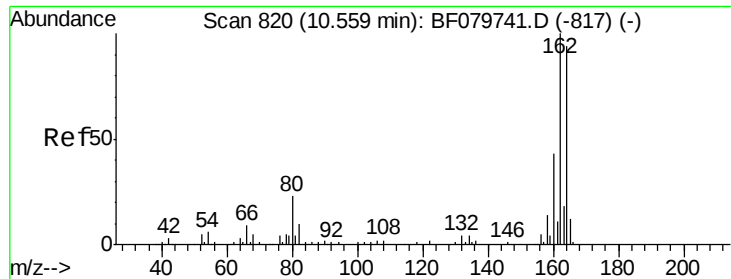
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#37
2-Methylnaphthalene
Concen: 4.16 ng
RT: 9.50 min Scan# 727
Delta R.T. -0.00 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	72.8	109.2
115	34.7	26.9	40.3





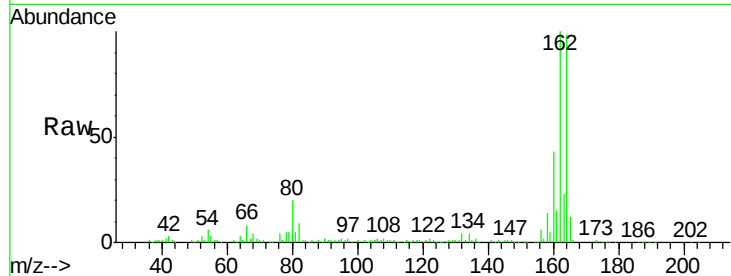
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.56 min Scan# 820
Delta R.T. -0.00 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

Instrument :
BNA_F
ClientSampleId :
RT440NB6.1(8)

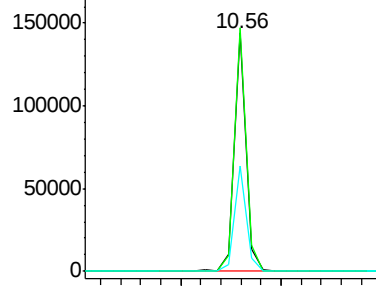
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	82.6	123.8	
160	44.1	36.8	55.2	

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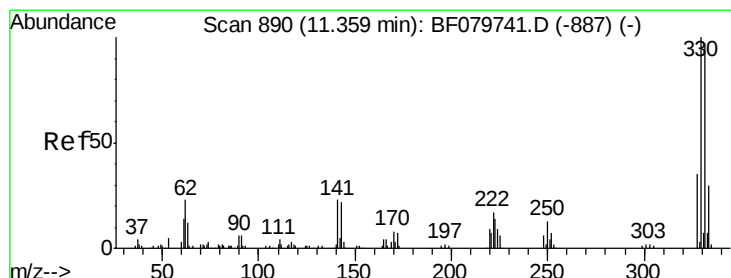
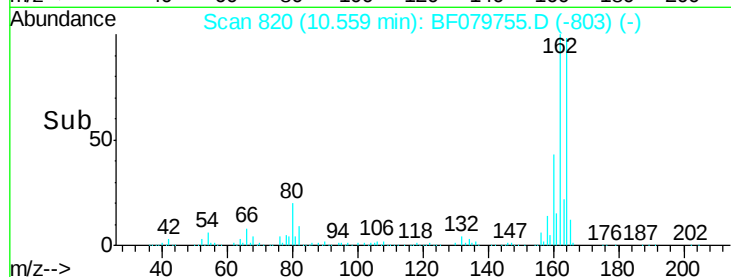
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

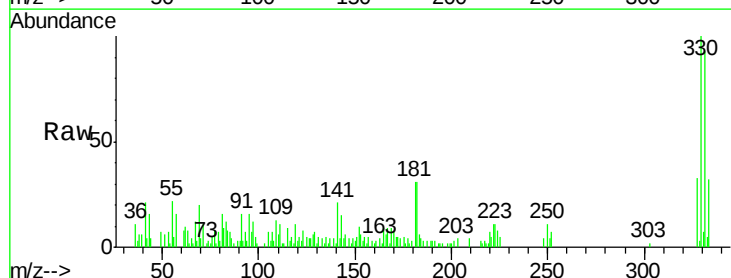


Time-->

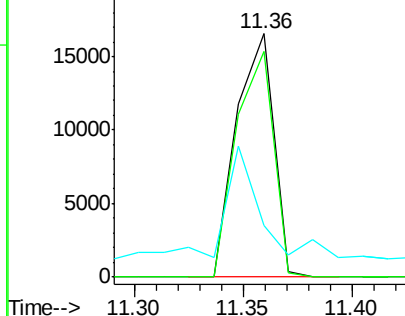


#41
2,4,6-Tribromophenol
Concen: 17.71 ng
RT: 11.36 min Scan# 890
Delta R.T. -0.00 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

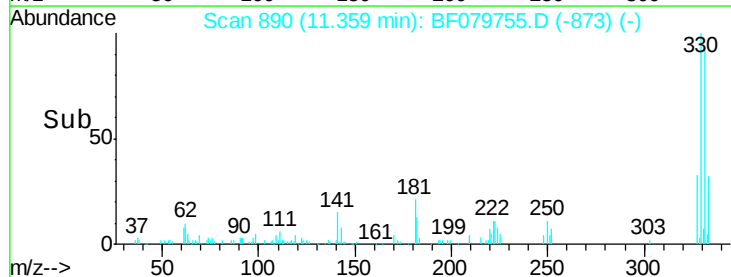
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.8	77.4	116.0	
141	64.6	30.2	45.2#	

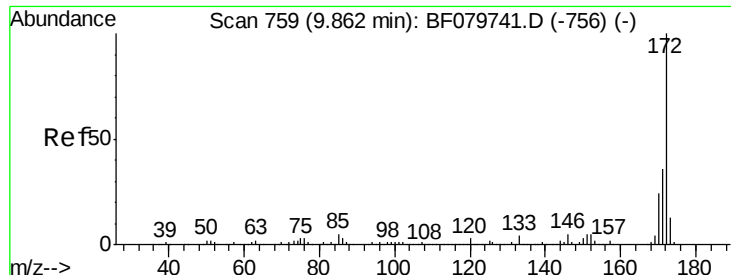


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->





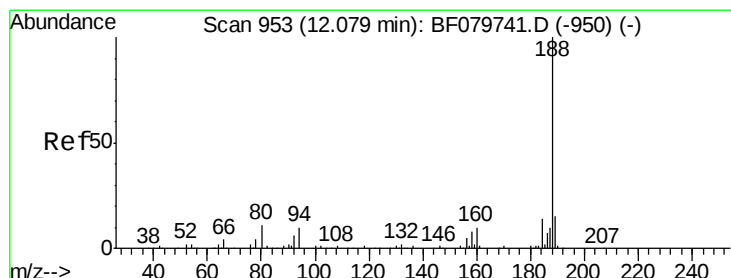
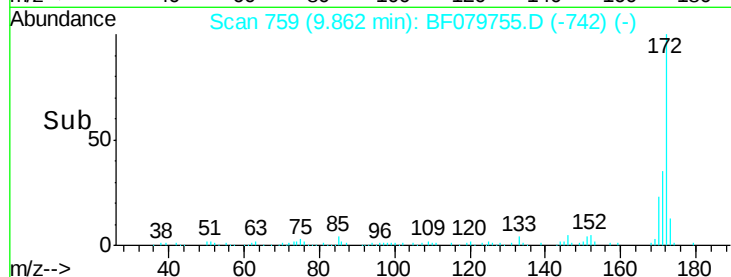
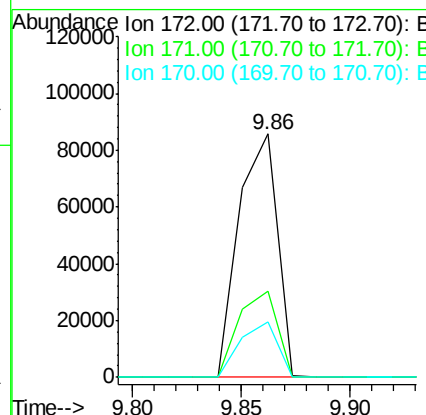
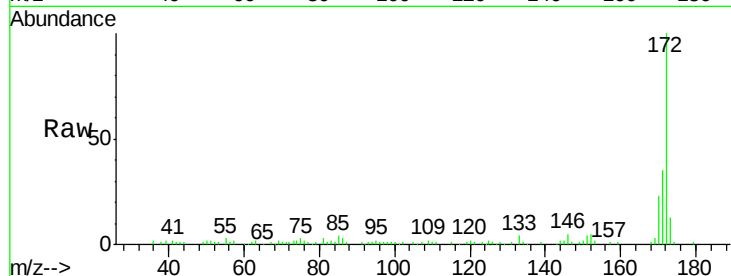
#44
2-Fluorobiphenyl
Concen: 12.22 ng
RT: 9.86 min Scan# 759
Delta R.T. -0.00 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.4	44.0	
170	22.8	19.7	29.5	

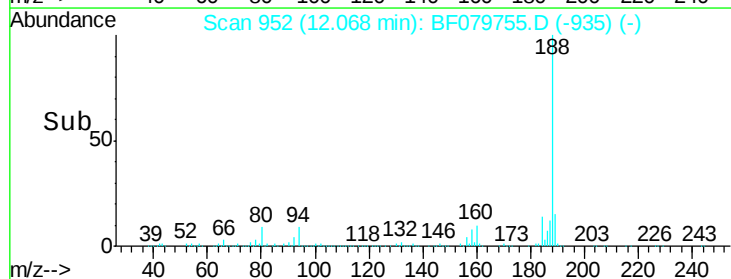
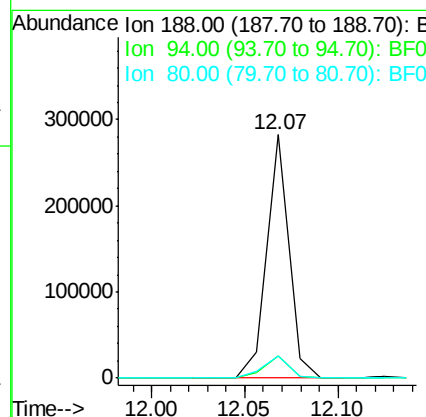
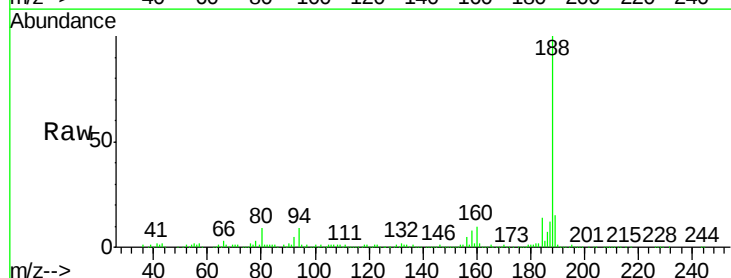
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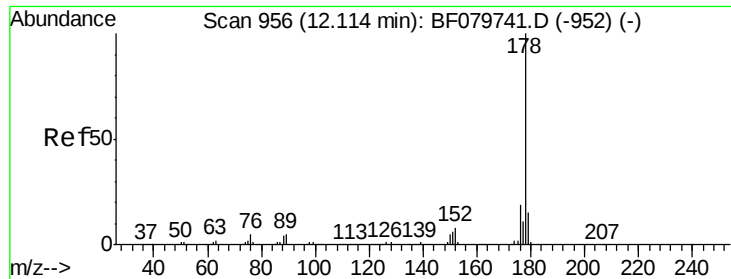
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.07 min Scan# 952
Delta R.T. -0.00 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.9	5.0	7.4#	
80	9.2	5.3	7.9#	





#70

Phenanthrene

Concen: 14.45 ng

RT: 12.09 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF079755.D

Acq: 6 Jun 2015 5:00

Instrument :

BNA_F

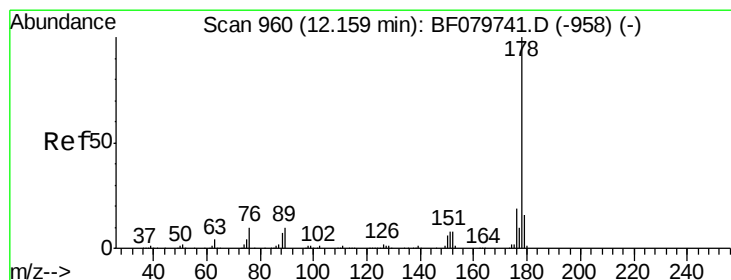
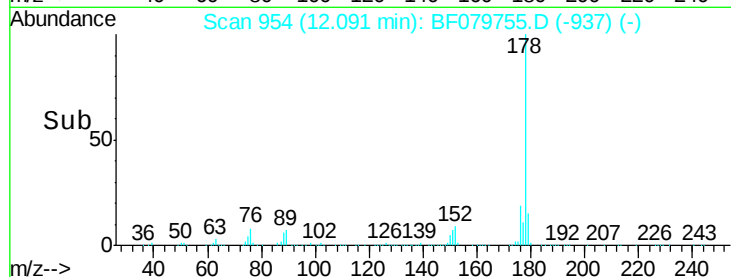
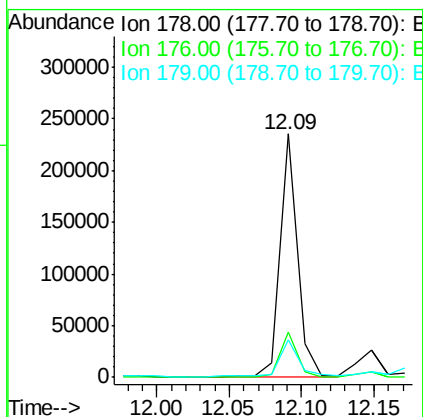
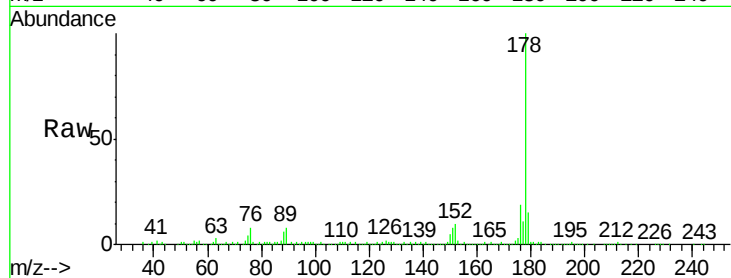
ClientSampleId :

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Tot Ion:	178	Resp:	195539
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.2	24.4
179	15.2	12.6	19.0

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#71

Anthracene

Concen: 2.14 ng m

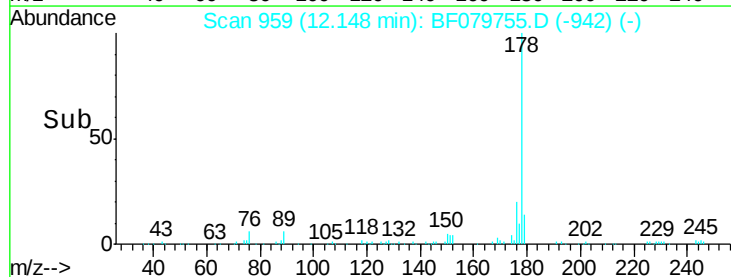
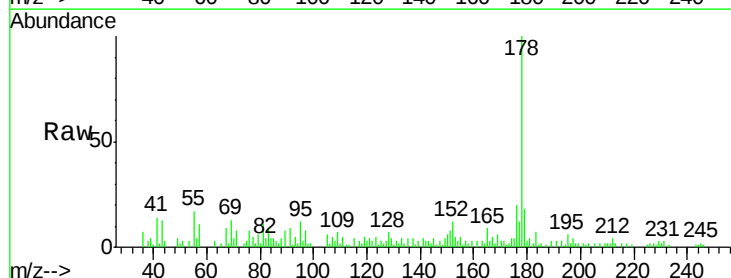
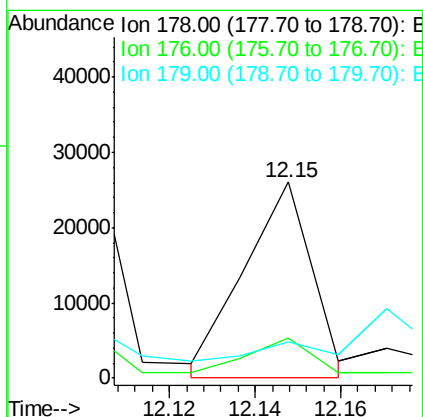
RT: 12.15 min Scan# 959

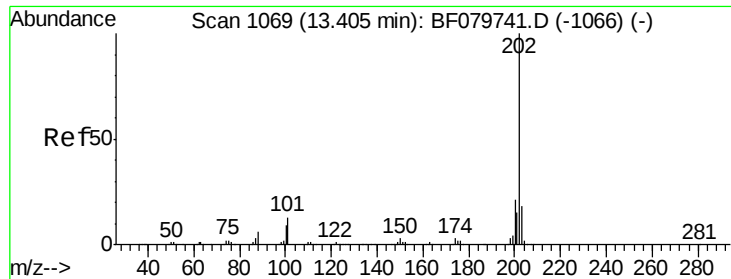
Delta R.T. -0.00 min

Lab File: BF079755.D

Acq: 6 Jun 2015 5:00

Tgt Ion:	178	Resp:	28581
Ion Ratio	Lower	Upper	
178	100		
176	20.2	14.8	22.2
179	18.3	12.2	18.2#





#74

Fluoranthene

Concen: 4.57 ng

RT: 13.34 min Scan# 1063

Delta R.T. 0.01 min

Lab File: BF079755.D

Acq: 6 Jun 2015 5:00

Instrument :

BNA_F

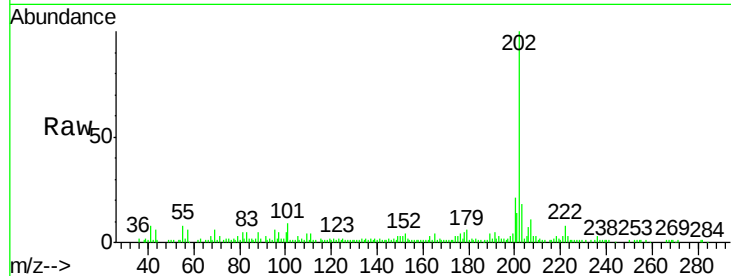
ClientSampleId :

RT440NB6.1(8)

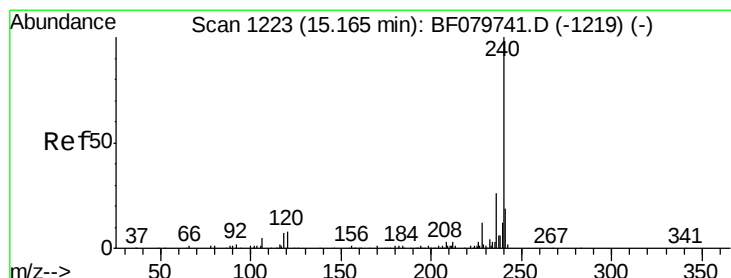
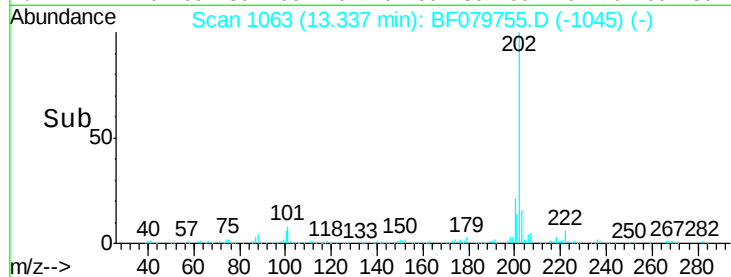
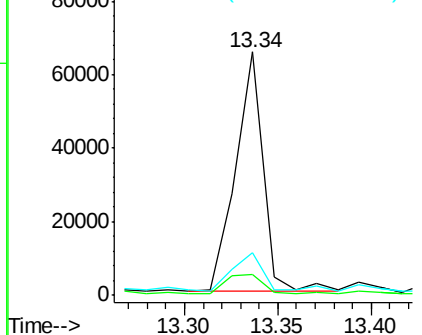
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		67675		
101	8.7	0.0	31.3		
203	17.7	0.0	38.4		

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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

Chrysene-d12

Concen: 20.00 ng

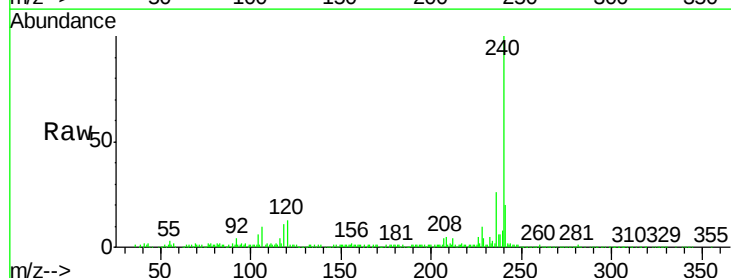
RT: 14.96 min Scan# 1205

Delta R.T. 0.02 min

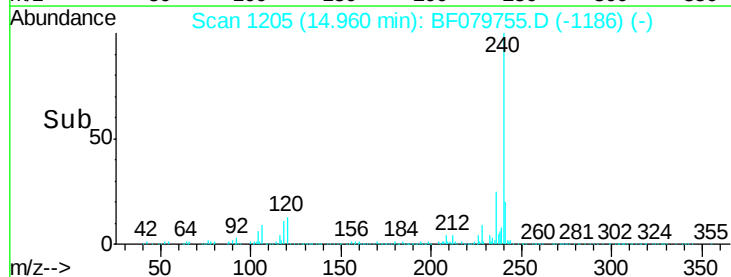
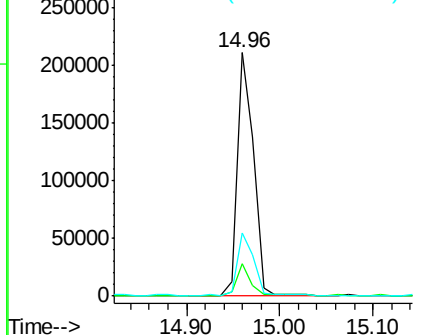
Lab File: BF079755.D

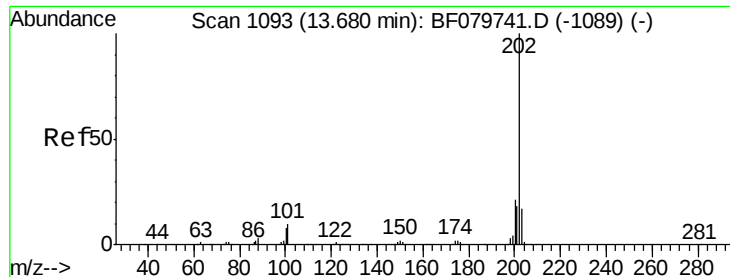
Acq: 6 Jun 2015 5:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		255014		
120	13.2	6.2	9.2#		
236	25.8	21.0	31.4		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.25 ng

RT: 13.59 min Scan# 1085

Delta R.T. 0.01 min

Lab File: BF079755.D

Acq: 6 Jun 2015 5:00

Instrument :

BNA_F

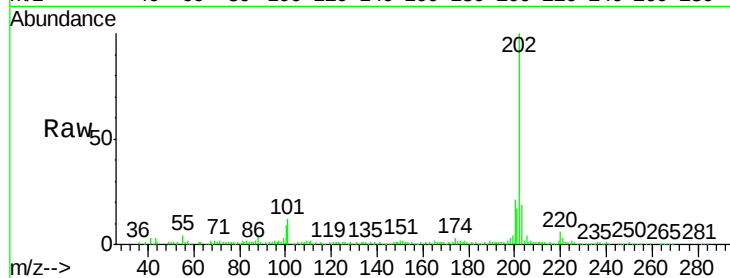
ClientSampleId :

RT440NB6.1(8)

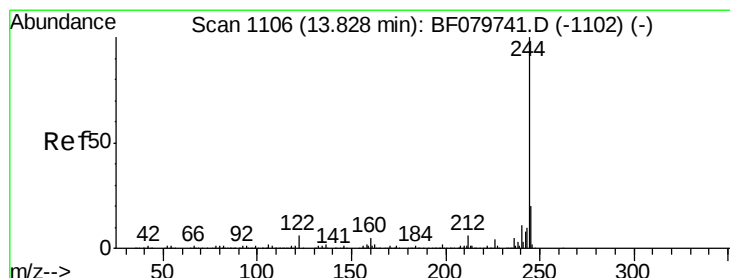
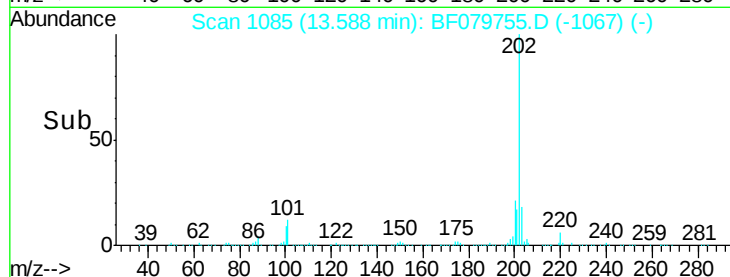
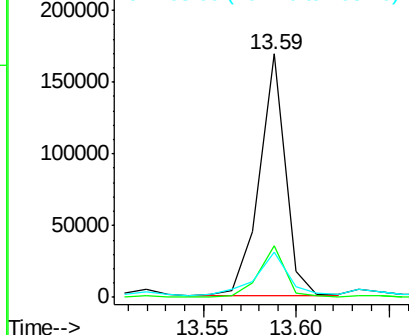
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		160238		
200	21.4	17.5	26.3		
203	18.6	14.8	22.2		

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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: 11.82 ng

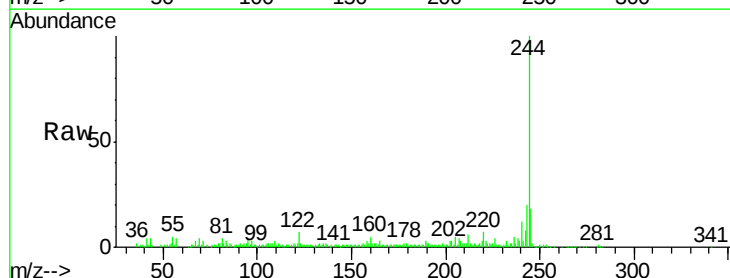
RT: 13.73 min Scan# 1097

Delta R.T. 0.01 min

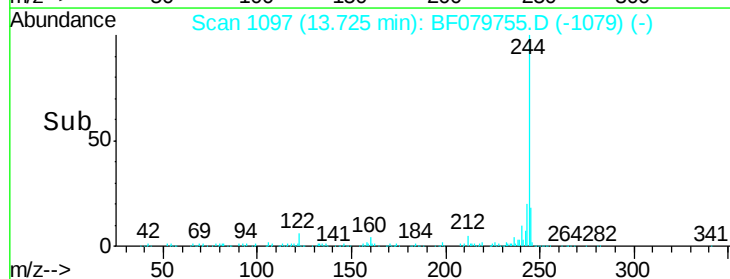
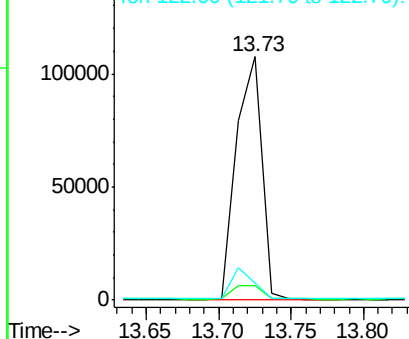
Lab File: BF079755.D

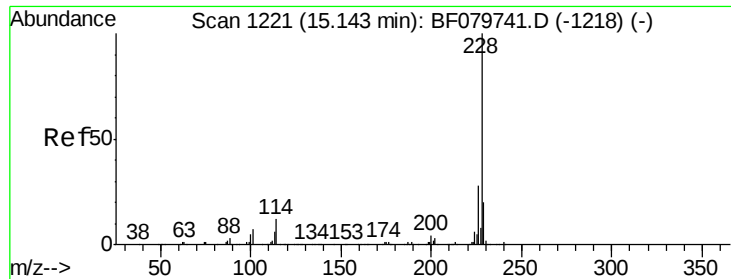
Acq: 6 Jun 2015 5:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		131568		
212	6.2	6.1	9.1		
122	6.9	9.3	13.9		



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





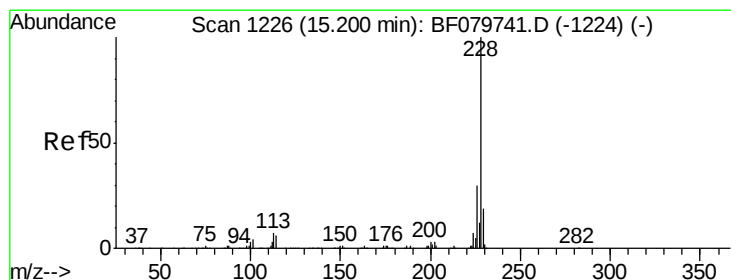
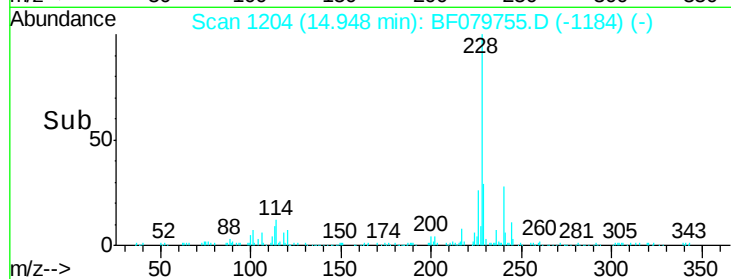
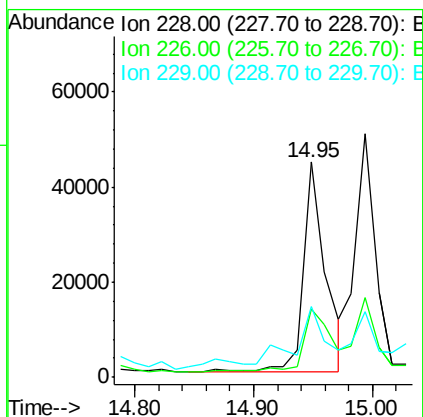
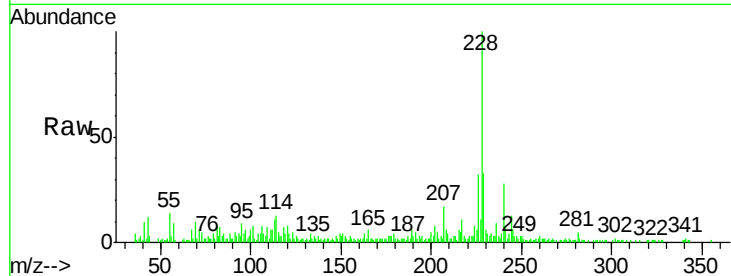
#80
Benzo(a)anthracene
Concen: 3.74 ng
RT: 14.95 min Scan# 1204
Delta R.T. 0.03 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

Instrument :
BNA_F
ClientSampleId :
RT440NB6.1(8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.2	33.4
229	32.7	16.6	25.0

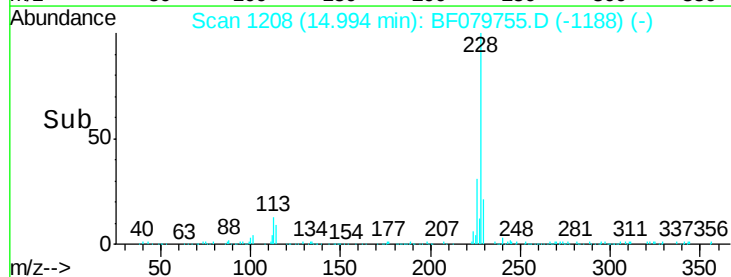
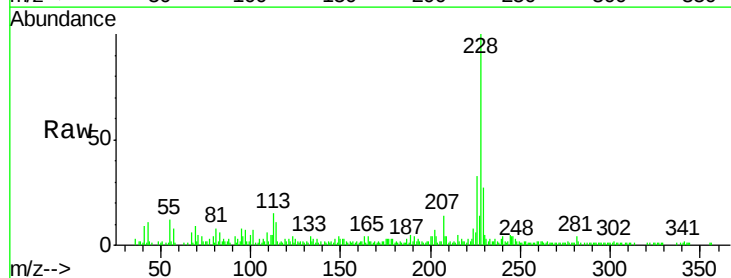
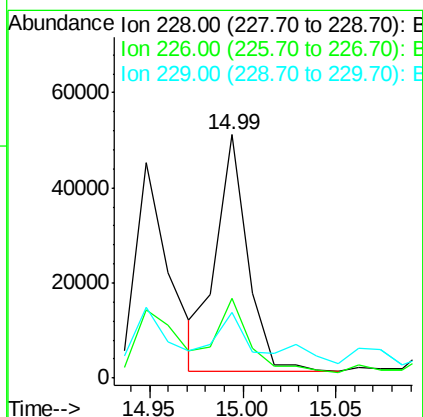
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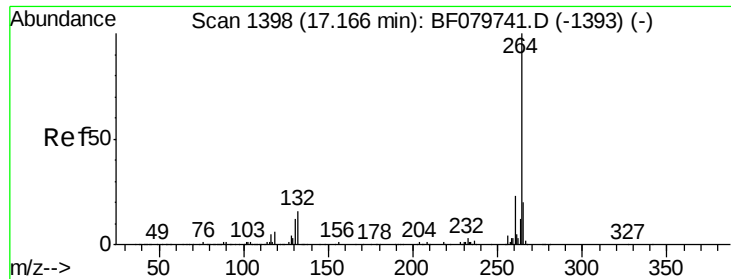
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#82
Chrysene
Concen: 4.04 ng
RT: 14.99 min Scan# 1208
Delta R.T. 0.03 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.2	37.8
229	27.0	16.2	24.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.88 min Scan# 1373

Delta R.T. 0.06 min

Lab File: BF079755.D

Acq: 6 Jun 2015 5:00

Instrument :

BNA_F

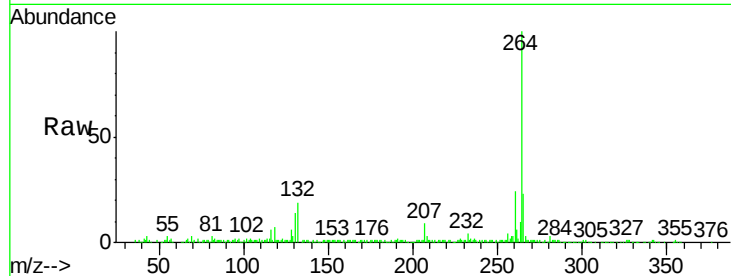
ClientSampleId :

RT440NB6.1(8)

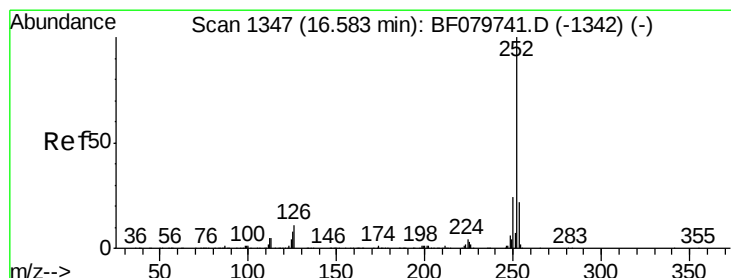
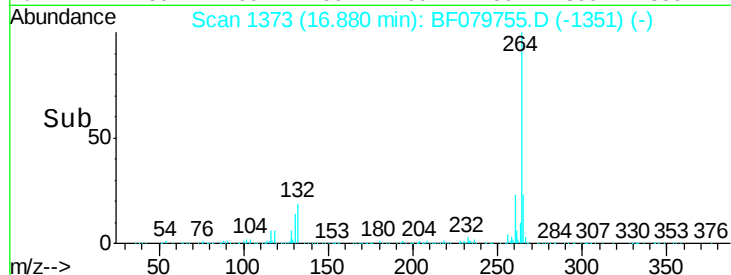
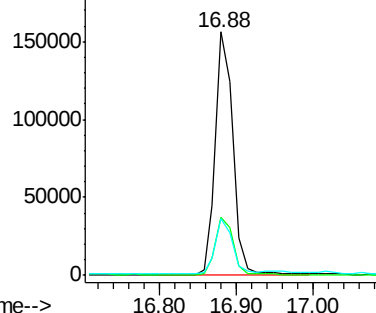
Tot Ion:	264	Resp:	248811
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.6	27.8
265	23.3	18.2	27.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 3.04 ng m

RT: 16.31 min Scan# 1323

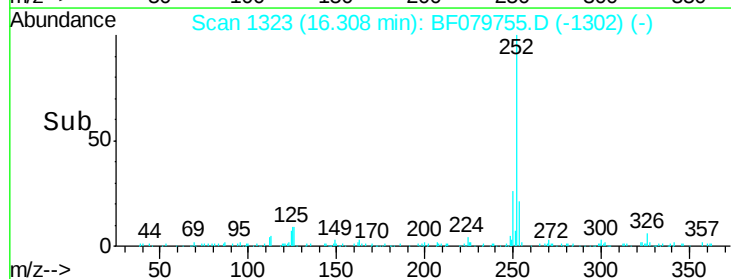
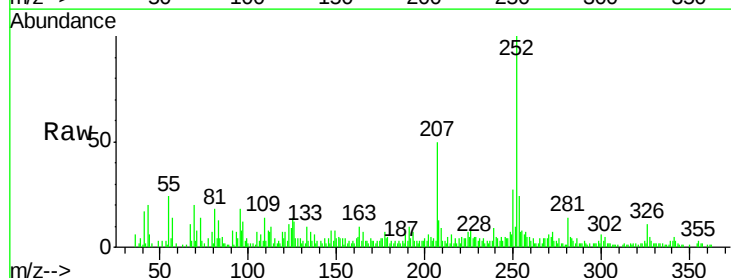
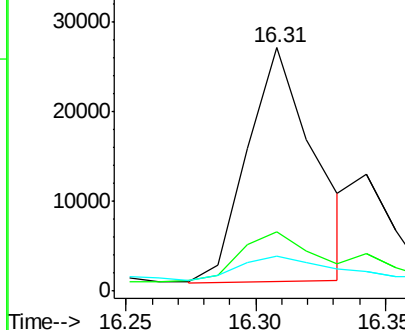
Delta R.T. 0.05 min

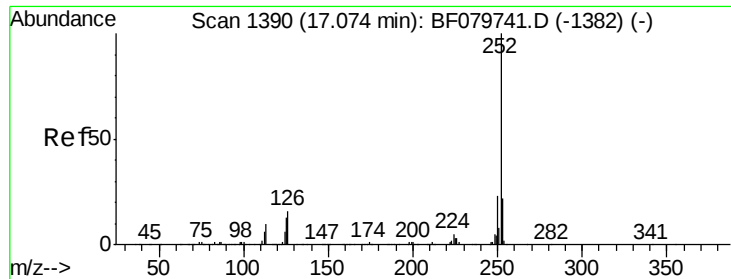
Lab File: BF079755.D

Acq: 6 Jun 2015 5:00

Tgt Ion:	252	Resp:	46966
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.4	26.2
125	14.4	6.5	9.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





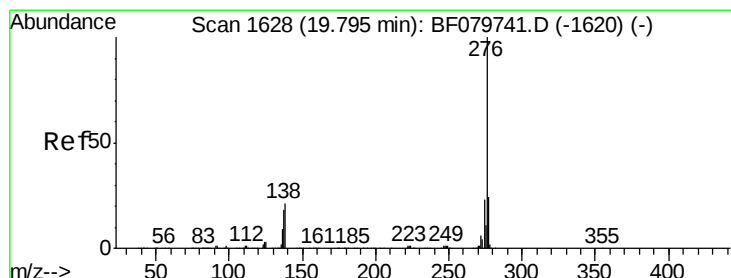
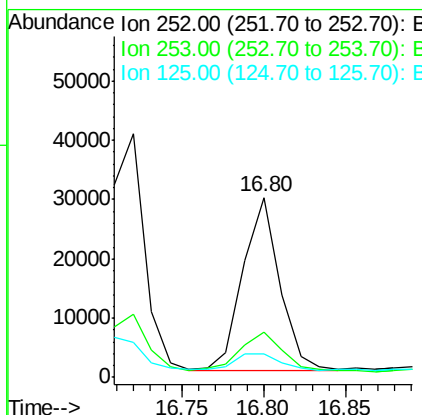
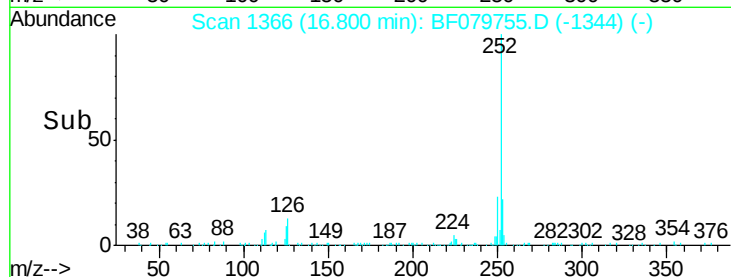
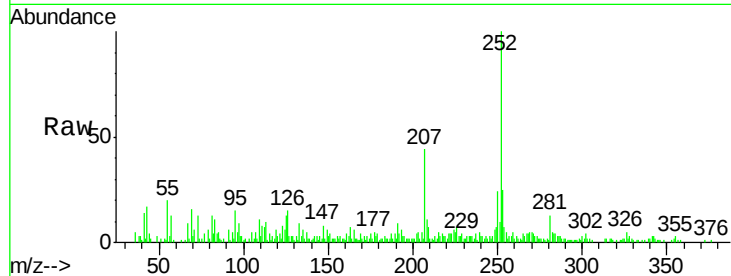
#89
Benzo(a)pyrene
Concen: 3.20 ng
RT: 16.80 min Scan# 1366
Delta R.T. 0.06 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

Instrument :
BNA_F
ClientSampleId :
RT440NB6.1(8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.6	26.4
125	12.9	7.4	11.0

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#91
Benzo(g,h,i)perylene
Concen: 4.13 ng
RT: 19.47 min Scan# 1600
Delta R.T. 0.06 min
Lab File: BF079755.D
Acq: 6 Jun 2015 5:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.8	28.2
138	24.7	18.2	27.2

