

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
 Data File : BF079693.D
 Acq On : 4 Jun 2015 7:51
 Operator : TP/IZ
 Sample : G2416-08DL 25X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(4)DL

Manual Integrations
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Quant Time: Jun 04 14:59:27 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 14:54:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	91199	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	352449	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	187014	20.00	ng	0.00
63) Phenanthrene-d10	12.13	188	348554	20.00	ng	-0.01
75) Chrysene-d12	15.26	240	366844	20.00	ng	-0.13
86) Perylene-d12	17.30	264	364556	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	20264	4.57	ng	0.00
7) Phenol-d6	7.11	99	28768	2.45	ng	0.00
23) Nitrobenzene-d5	8.07	82	11524	1.68	ng	-0.01
41) 2,4,6-Tribromophenol	11.39	330	4284	2.78	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	38774	2.49	ng	0.00
78) Terphenyl-d14	13.89	244	42272	2.43	ng	-0.07
Target Compounds						
31) Naphthalene	8.83	128	80072	4.35	ng	98
37) 2-Methylnaphthalene	9.53	142	42575	3.46	ng	99
51) Acenaphthene	10.63	154	74980	6.61	ng	98
54) Dibenzofuran	10.80	168	106308	6.45	ng	96
57) Fluorene	11.14	166	125119	9.29	ng	99
70) Phenanthrene	12.15	178	979291	50.82	ng	99
71) Anthracene	12.21	178	289507	14.93	ng	98
72) Carbazole	12.35	167	123212	6.92	ng	97
74) Fluoranthene	13.46	202	775209	37.31	ng	99
77) Pyrene	13.74	202	617986	29.26	ng	99
80) Benzo(a)anthracene	15.25	228	365033	18.20	ng	99
82) Chrysene	15.29	228	255932	12.68	ng	97
85) Indeno(1,2,3-cd)pyrene	19.35	276	104869	5.31	ng	95
87) Benzo(b)fluoranthene	16.71	252	300714m	15.96	ng	
88) Benzo(k)fluoranthene	16.74	252	106528m	4.83	ng	
89) Benzo(a)pyrene	17.21	252	215194	11.68	ng	99
91) Benzo(a,h,i)perylene	19.97	276	97107	5.30	ng	99

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

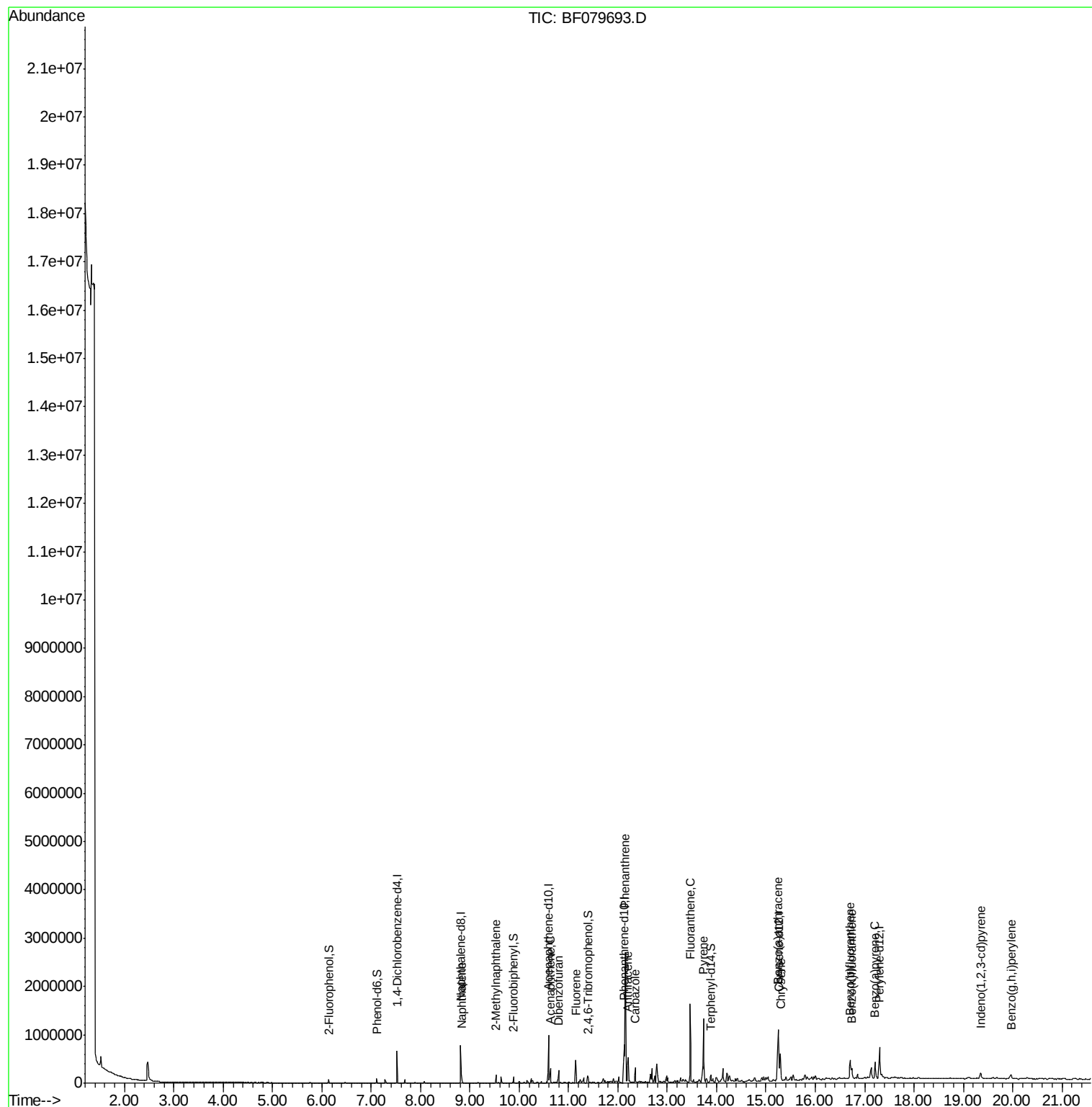
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079693.D
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Sample : G2416-08DL 25X
Misc :
ALS Vial : 39 Sample Multiplier: 1

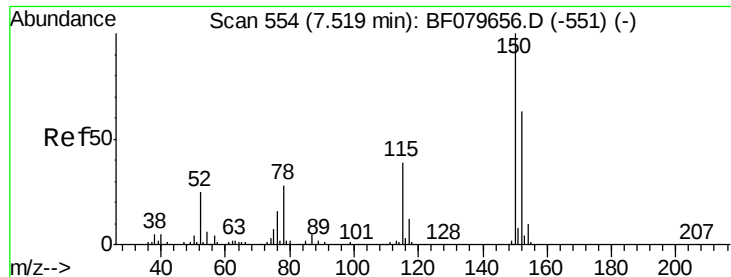
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
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QLast Update : Thu Jun 04 14:54:33 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF079693.D

Acq: 4 Jun 2015 7:51

Instrument :

BNA_F

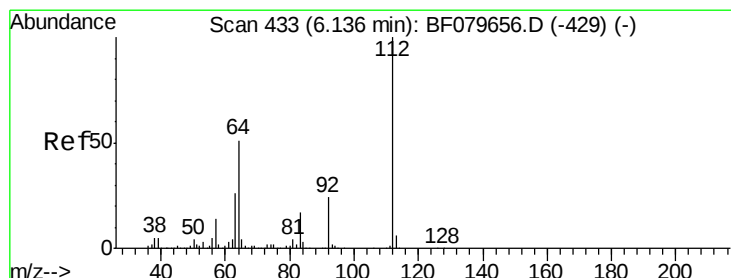
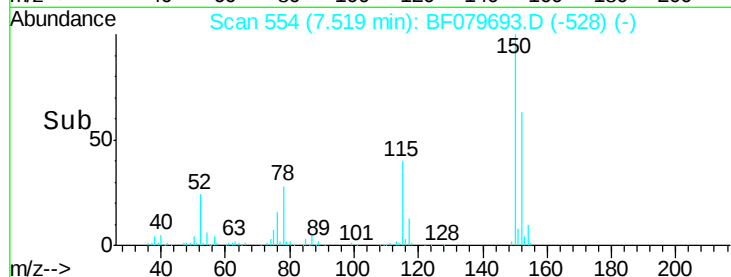
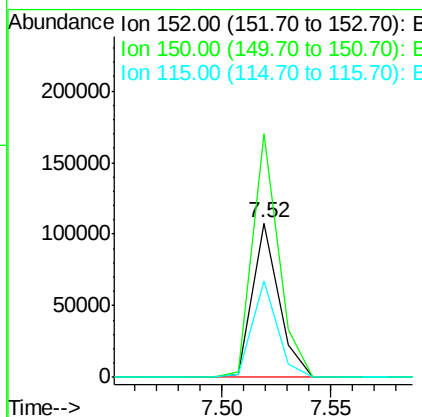
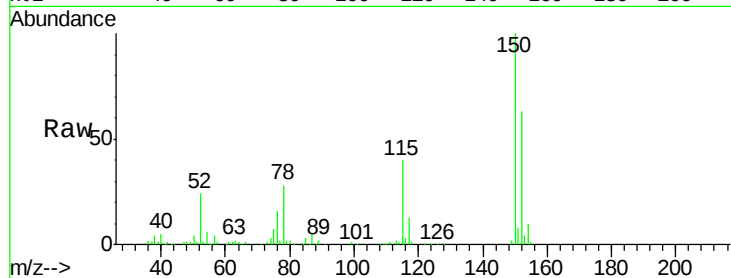
ClientSampleId :

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Tot Ion:	152	Resp:	91199
Ion Ratio	Lower	Upper	
152	100		
150	157.5	126.7	190.1
115	62.3	49.2	73.8



#5

2-Fluorophenol

Concen: 4.57 ng

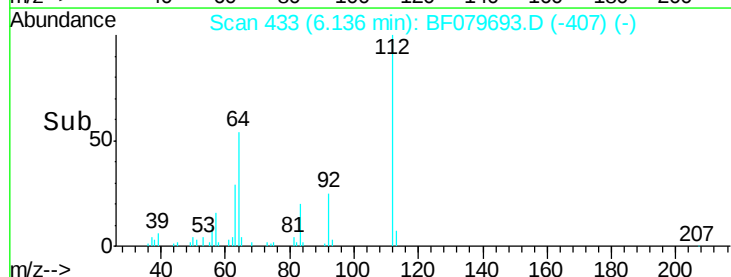
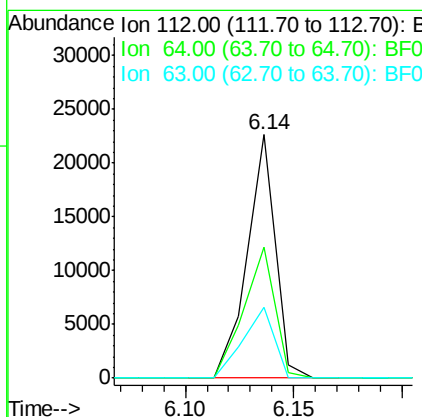
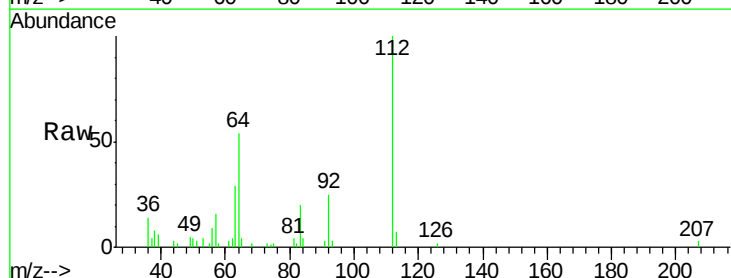
RT: 6.14 min Scan# 433

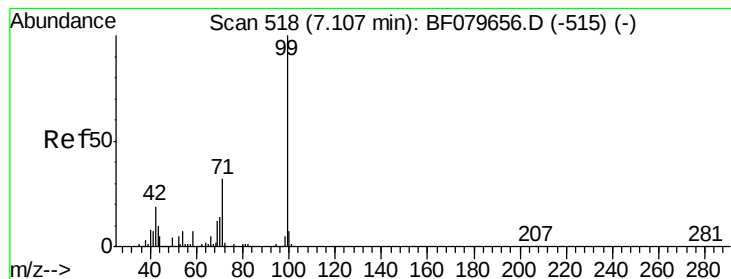
Delta R.T. 0.00 min

Lab File: BF079693.D

Acq: 4 Jun 2015 7:51

Tgt Ion:	112	Resp:	20264
Ion Ratio	Lower	Upper	
112	100		
64	53.7	41.1	61.7
63	29.1	20.5	30.7





#7

Phenol-d6

Concen: 2.45 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079693.D

Acq: 4 Jun 2015 7:51

Instrument :

BNA_F

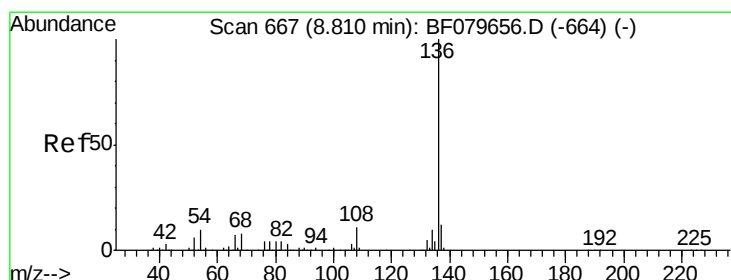
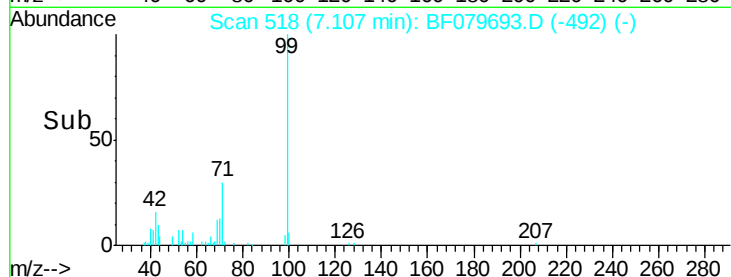
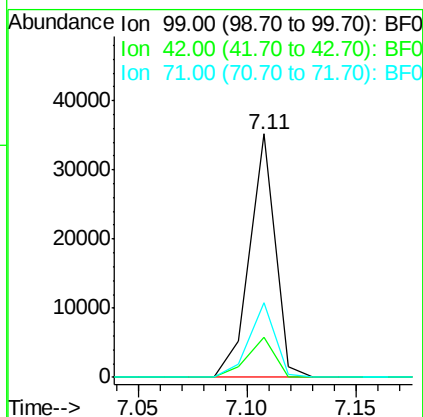
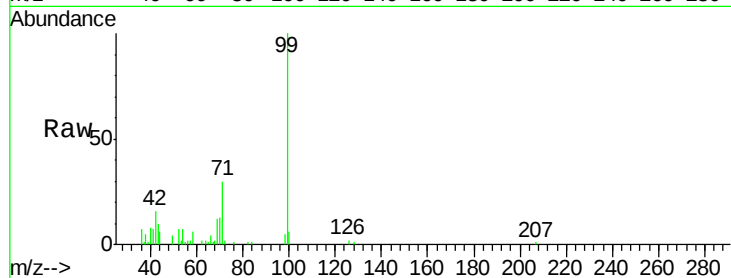
ClientSampleId :

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Tot Ion:	99	Resp:	28768
Ion Ratio	Lower	Upper	
99	100		
42	16.3	15.2	22.8
71	30.5	25.9	38.9

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#21

Naphthalene-d8

Concen: 20.00 ng

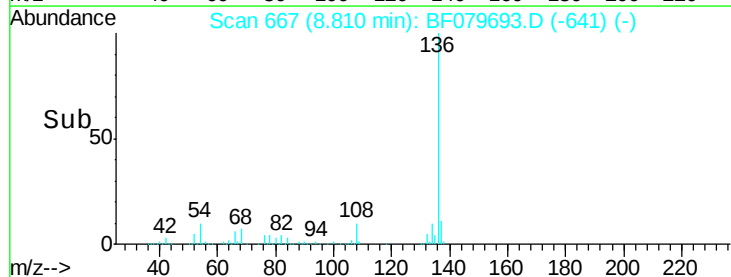
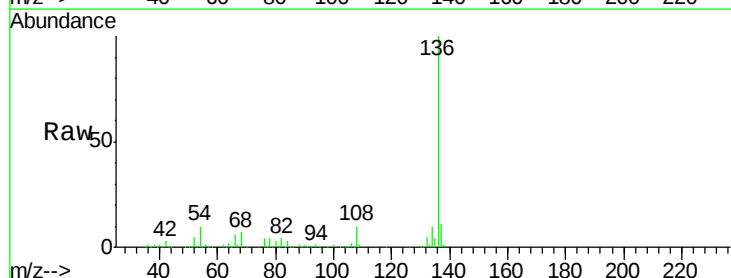
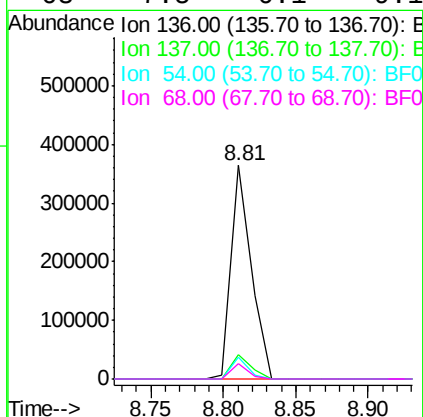
RT: 8.81 min Scan# 667

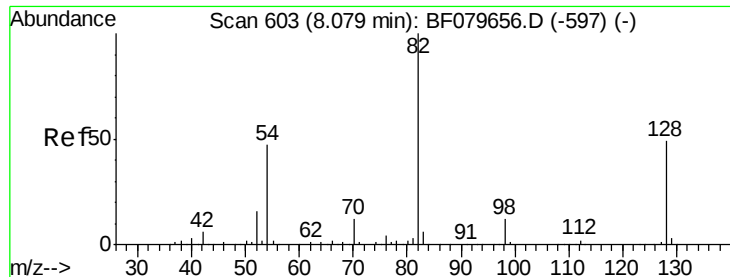
Delta R.T. 0.00 min

Lab File: BF079693.D

Acq: 4 Jun 2015 7:51

Tgt Ion:	136	Resp:	352449
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.3	13.9
54	10.1	8.3	12.5
68	7.5	6.1	9.1





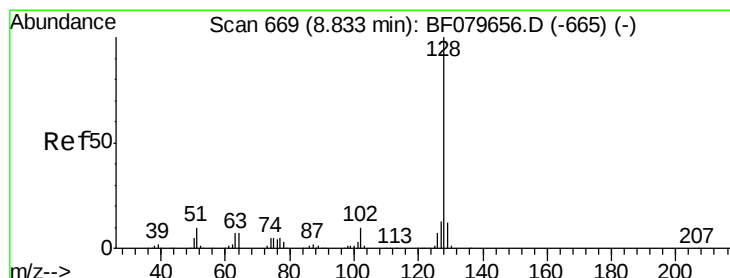
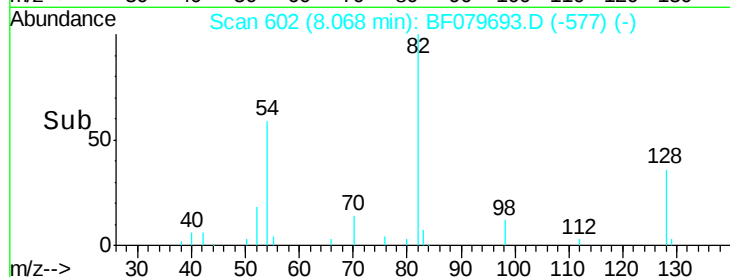
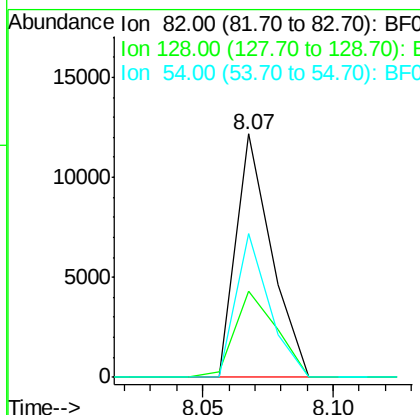
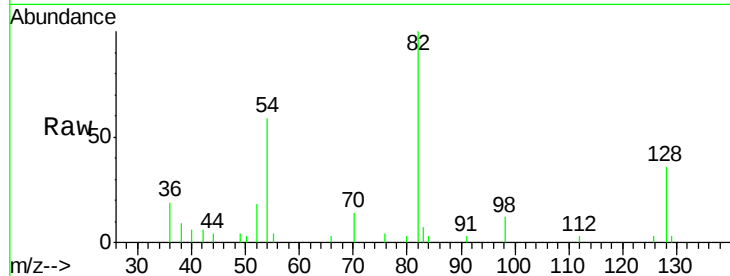
#23
 Nitrobenzene-d5
 Concen: 1.68 ng
 RT: 8.07 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF079693.D
 Acq: 4 Jun 2015 7:51

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(4)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.6	39.4	59.0#
54	59.2	37.4	56.0#

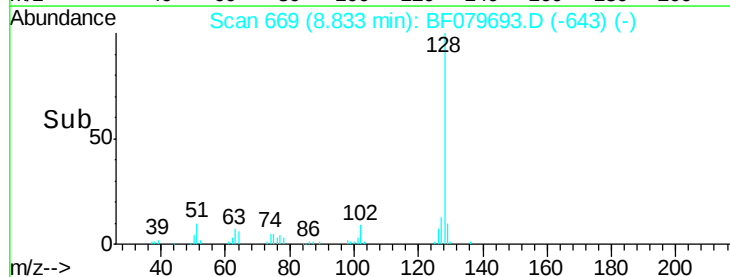
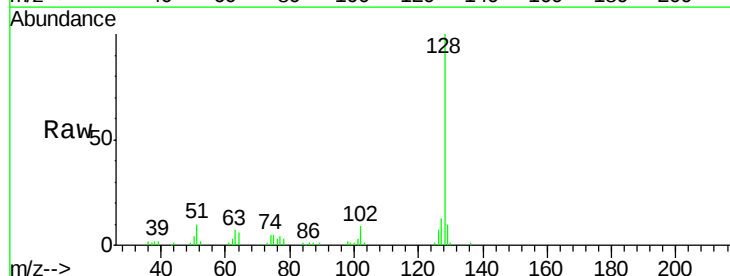
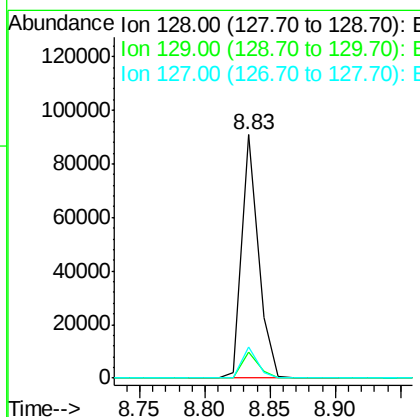
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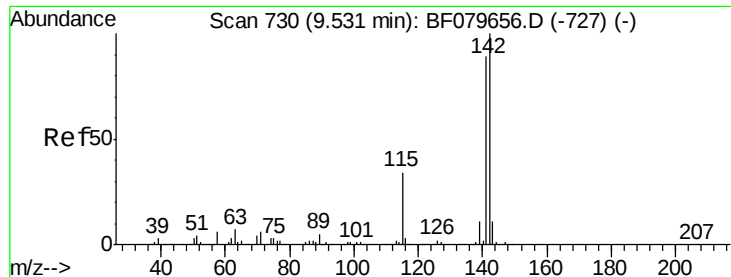
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#31
 Naphthalene
 Concen: 4.35 ng
 RT: 8.83 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF079693.D
 Acq: 4 Jun 2015 7:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.3	13.9
127	12.9	10.4	15.6





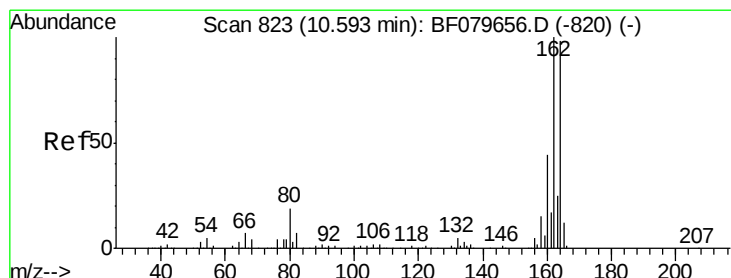
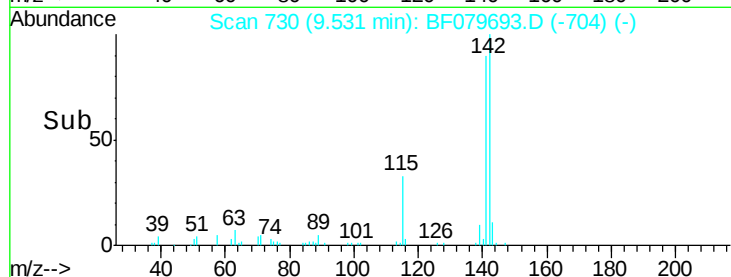
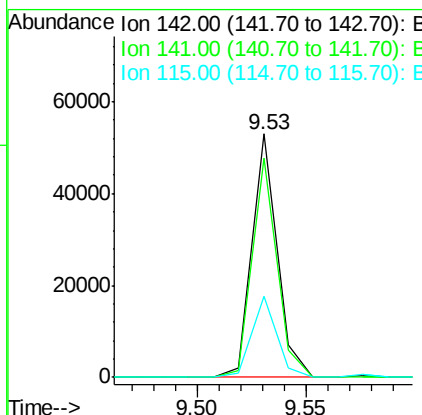
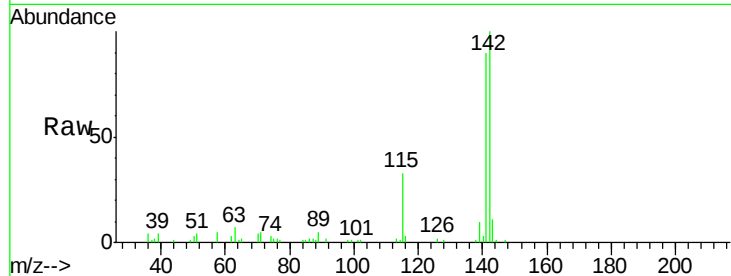
#37
2-Methylnaphthalene
Concen: 3.46 ng
RT: 9.53 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF079693.D
Acq: 4 Jun 2015 7:51

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.4	107.0
115	33.0	27.3	40.9

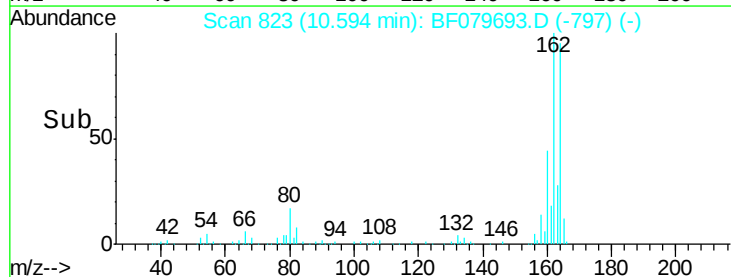
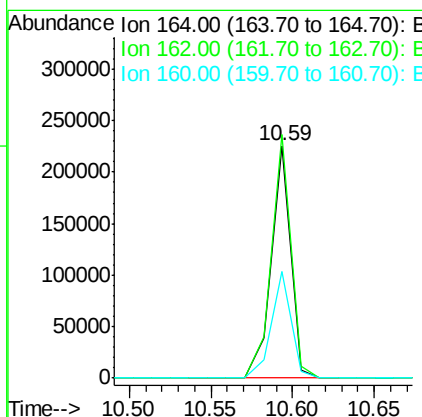
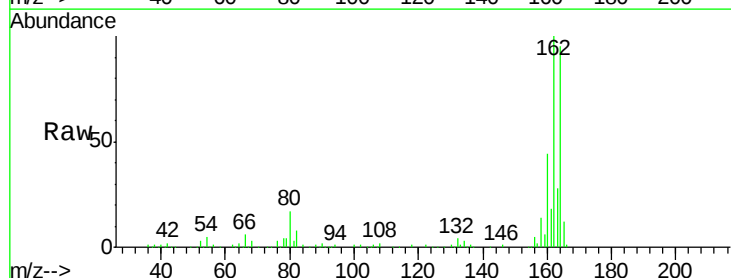
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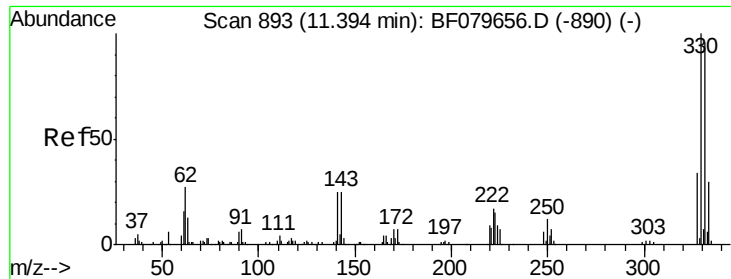
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.59 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF079693.D
Acq: 4 Jun 2015 7:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.0	123.0
160	45.9	35.9	53.9





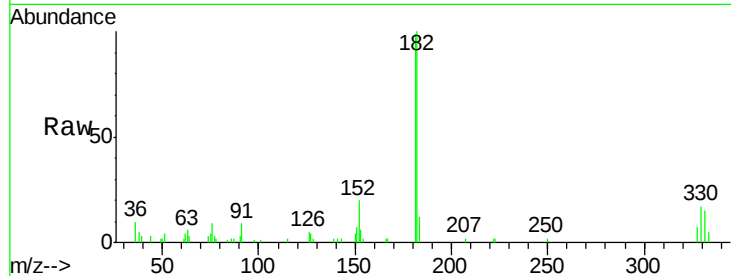
#41
 2,4,6-Tribromophenol
 Concen: 2.78 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF079693.D
 Acq: 4 Jun 2015 7:51

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(4)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.3	115.9
141	39.4	27.4	41.2

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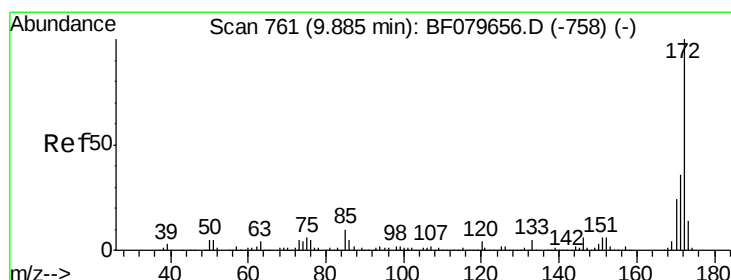
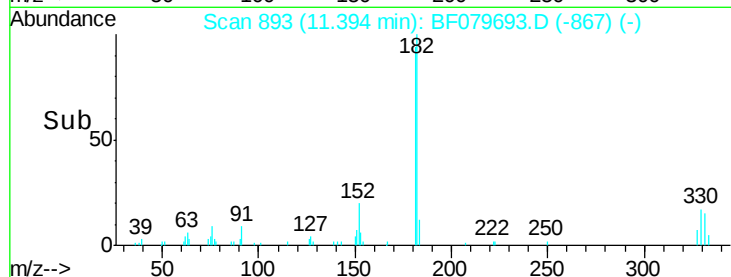
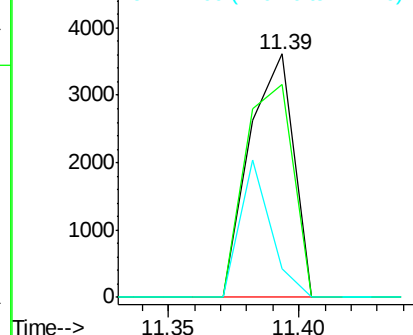


Abundance

Ion 329.80 (329.50 to 330.50): E

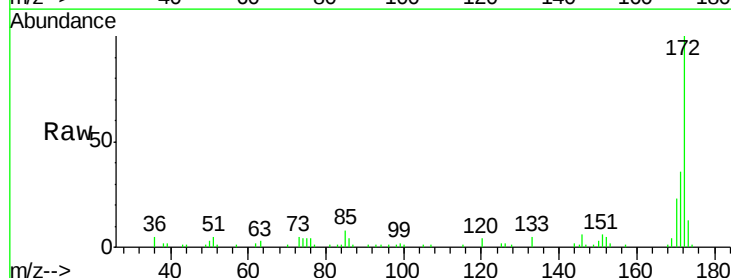
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 2.49 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF079693.D
 Acq: 4 Jun 2015 7:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	22.8	19.2	28.8

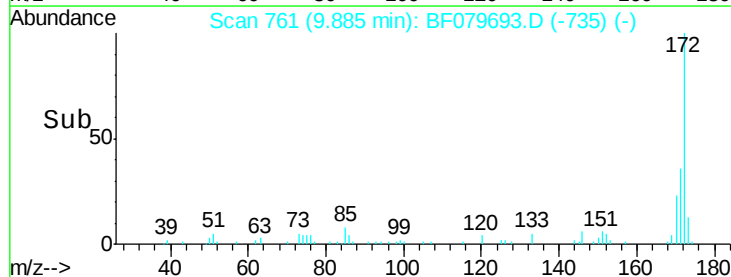
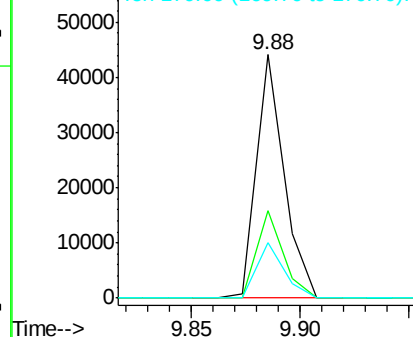


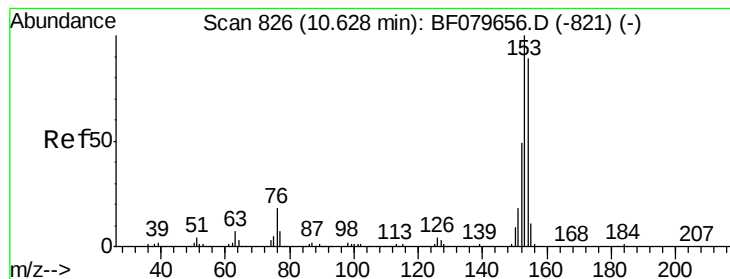
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 6.61 ng

RT: 10.63 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF079693.D

Acq: 4 Jun 2015 7:51

Instrument :

BNA_F

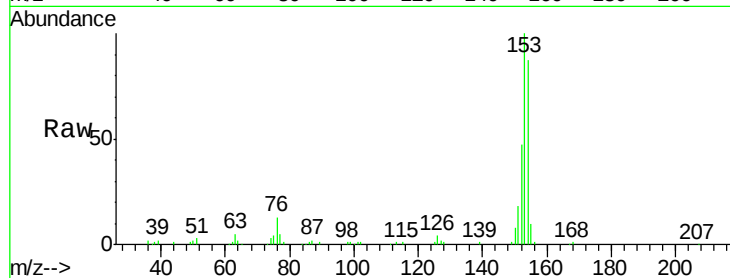
ClientSampleId :

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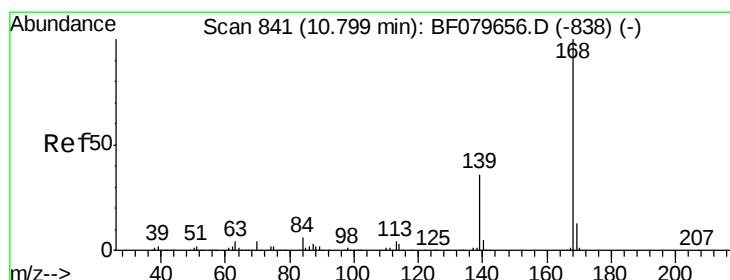
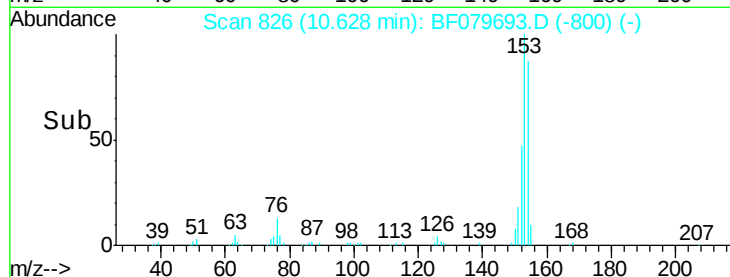
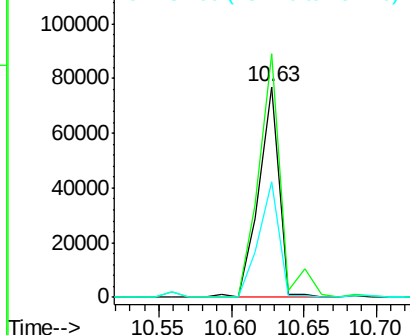
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Tot Ion:	154	Resp:	74980
Ion Ratio	Lower	Upper	
154	100		
153	115.5	89.8	134.6
152	54.7	43.8	65.8



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: 6.45 ng

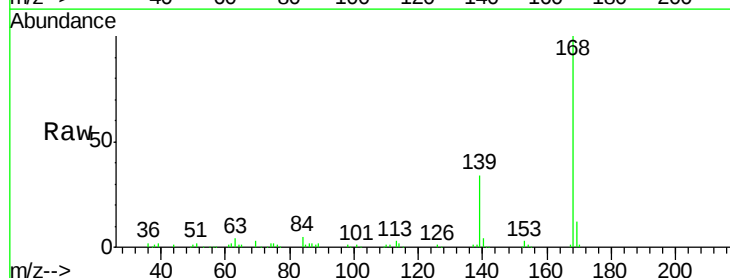
RT: 10.80 min Scan# 841

Delta R.T. 0.00 min

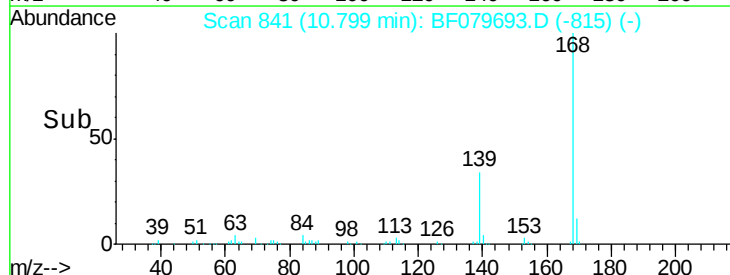
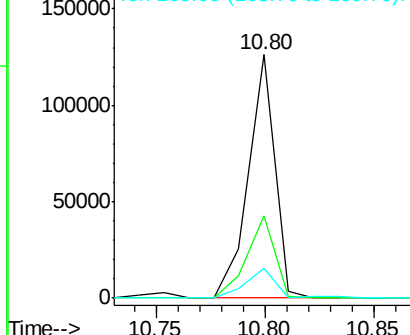
Lab File: BF079693.D

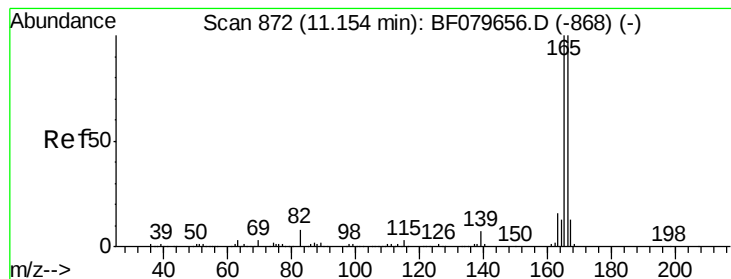
Acq: 4 Jun 2015 7:51

Tgt Ion:	168	Resp:	106308
Ion Ratio	Lower	Upper	
168	100		
139	33.9	29.1	43.7
169	12.2	10.7	16.1



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: 9.29 ng

RT: 11.14 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF079693.D

Acq: 4 Jun 2015 7:51

Instrument :

BNA_F

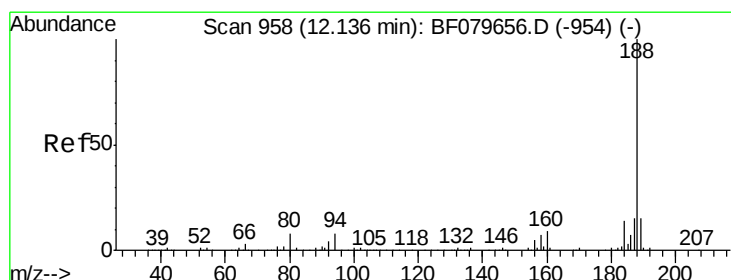
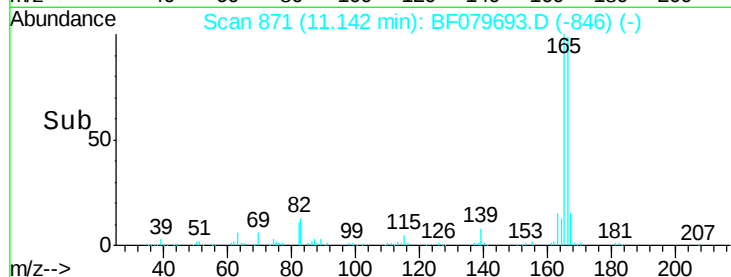
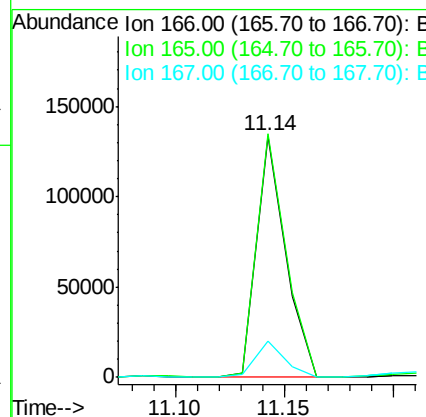
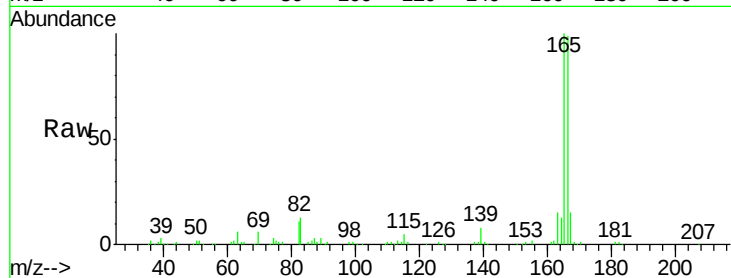
ClientSampleId :

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Tot Ion:	166	Resp:	125119
Ion Ratio	Lower	Upper	
166	100		
165	100.8	79.8	119.6
167	14.9	10.6	15.8

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#63

Phenanthrene-d10

Concen: 20.00 ng

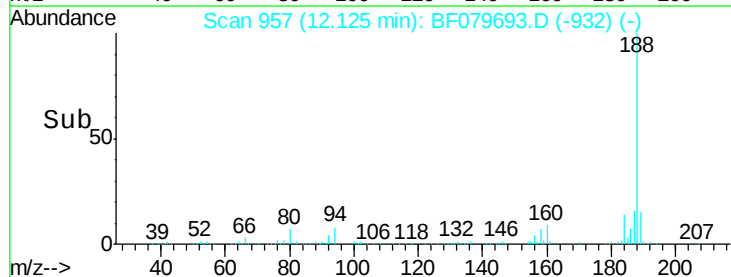
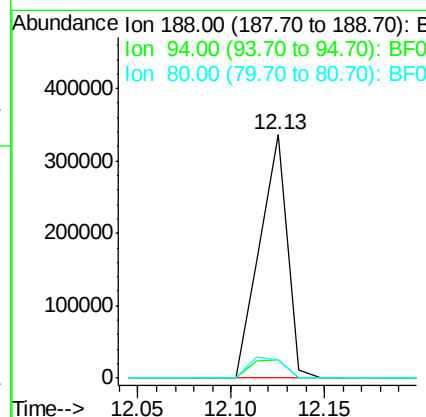
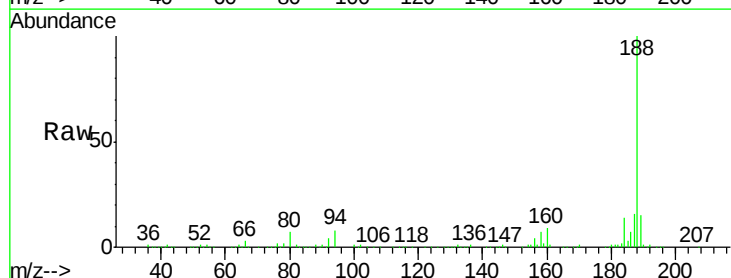
RT: 12.13 min Scan# 957

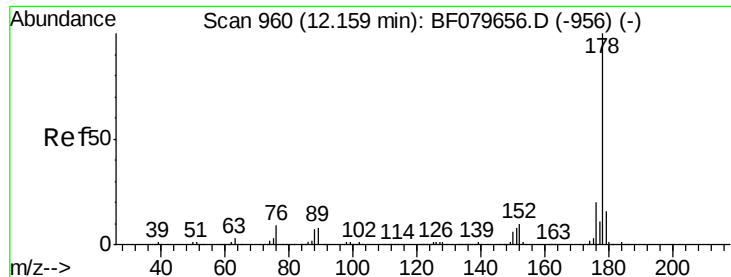
Delta R.T. -0.01 min

Lab File: BF079693.D

Acq: 4 Jun 2015 7:51

Tgt Ion:	188	Resp:	348554
Ion Ratio	Lower	Upper	
188	100		
94	7.5	6.1	9.1
80	7.4	6.2	9.2





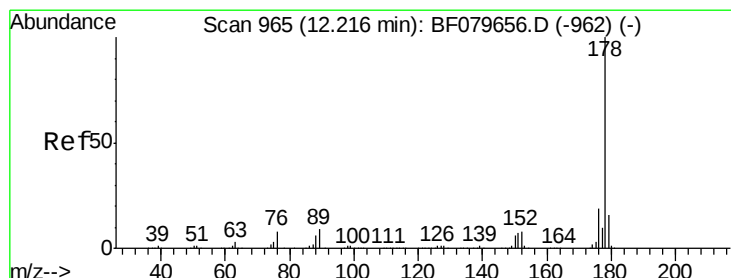
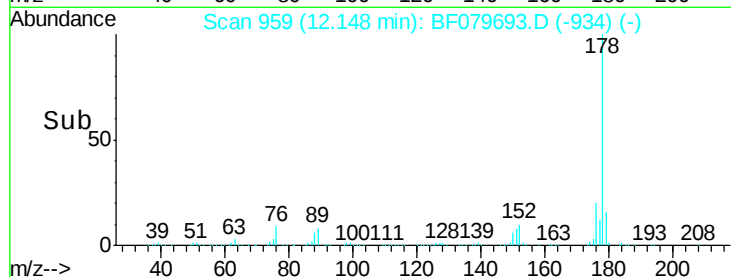
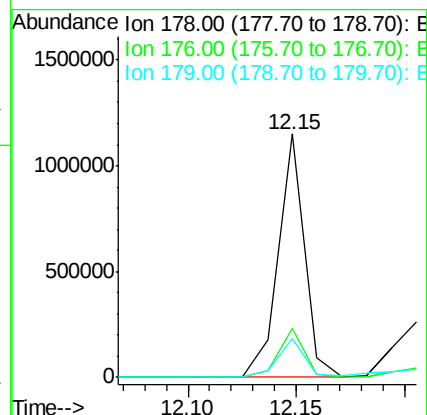
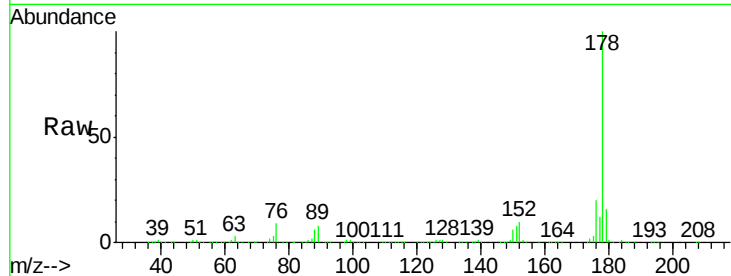
#70
Phenanthrene
Concen: 50.82 ng
RT: 12.15 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF079693.D
Acq: 4 Jun 2015 7:51

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	16.2	12.7	19.1

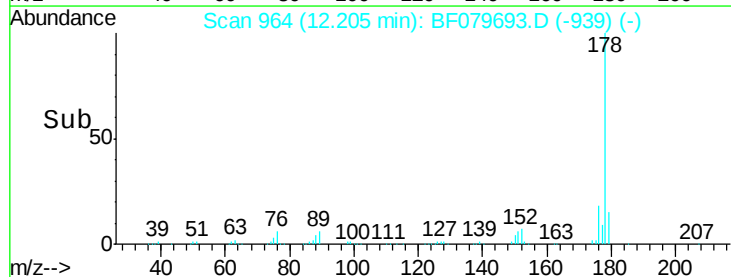
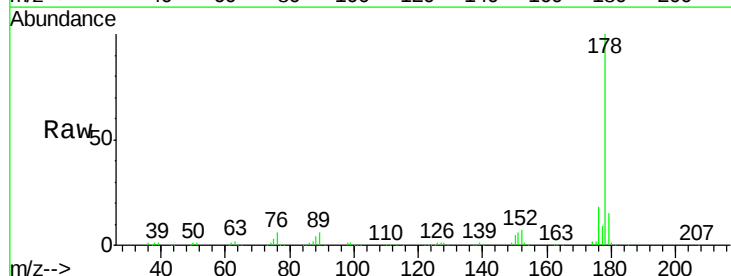
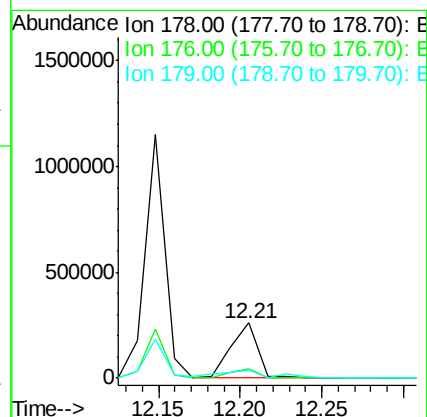
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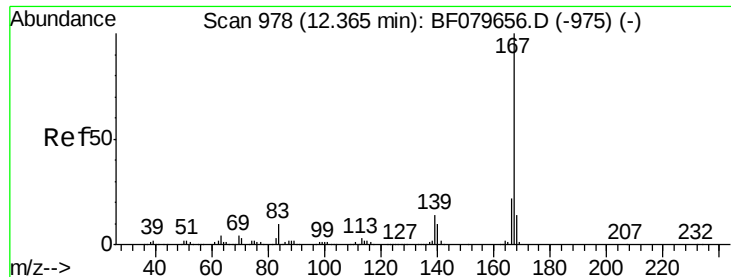
apatel
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#71
Anthracene
Concen: 14.93 ng
RT: 12.21 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF079693.D
Acq: 4 Jun 2015 7:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.0
179	15.2	12.6	19.0





#72

Carbazole

Concen: 6.92 ng

RT: 12.35 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF079693.D

Acq: 4 Jun 2015 7:51

Instrument :

BNA_F

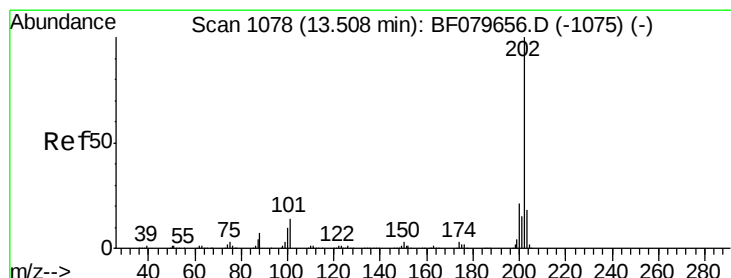
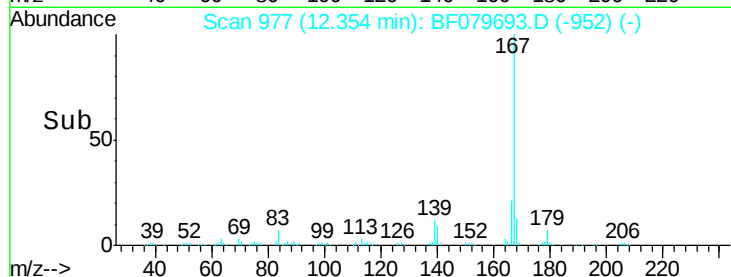
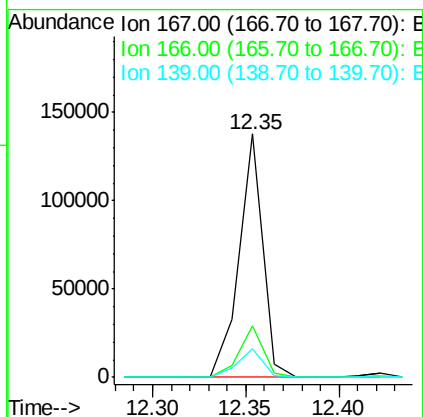
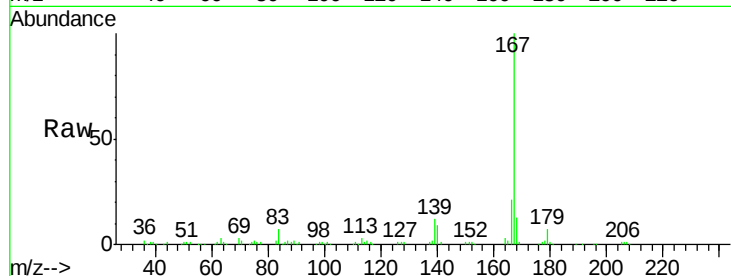
ClientSampleId :

RAMPTP-440SB2.1(4)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100		123212		
166	21.1		17.4	26.2	
139	11.8		11.3	16.9	

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#74

Fluoranthene

Concen: 37.31 ng

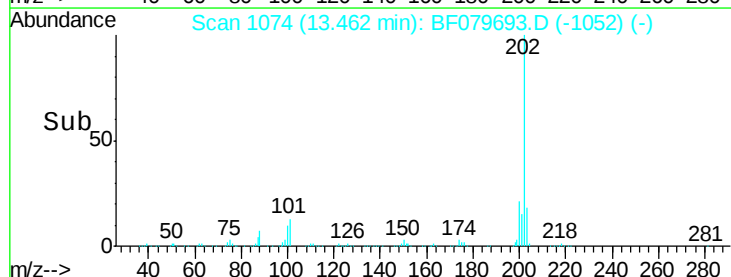
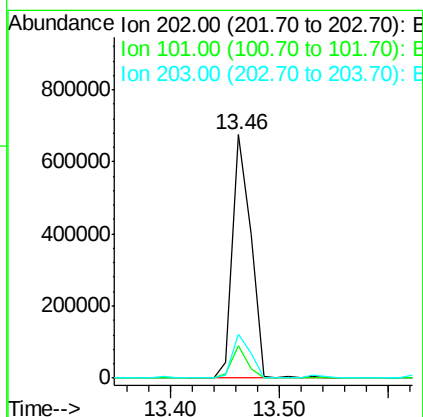
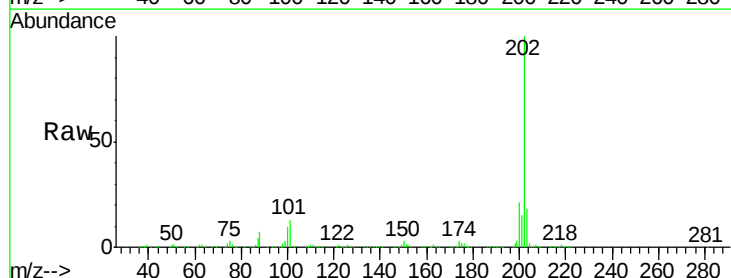
RT: 13.46 min Scan# 1074

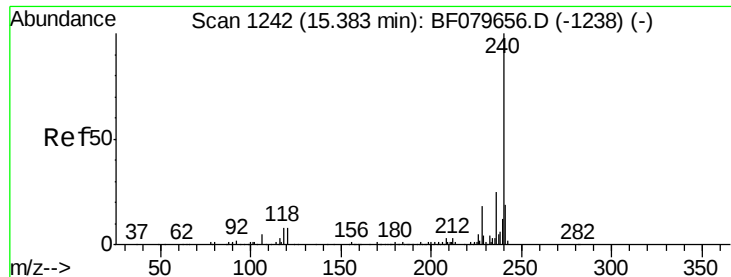
Delta R.T. -0.05 min

Lab File: BF079693.D

Acq: 4 Jun 2015 7:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		775209		
101	13.5		0.0	34.0	
203	17.9		0.0	37.9	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.26 min Scan# 1231

Delta R.T. -0.13 min

Lab File: BF079693.D

Acq: 4 Jun 2015 7:51

Instrument :

BNA_F

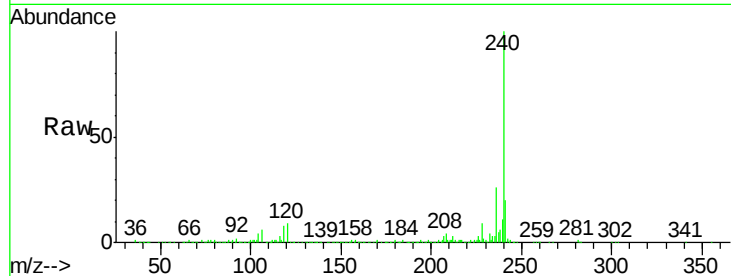
ClientSampleId :

RAMP-TP-440SB2.1(4)DL

Tot Ion:	240	Resp:	366844
Ion Ratio	Lower	Upper	
240	100		
120	9.3	6.4	9.6
236	25.9	20.2	30.4

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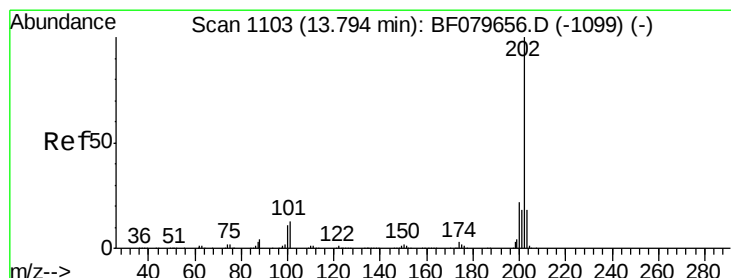
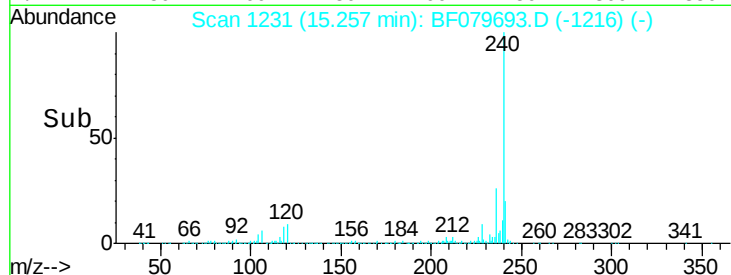
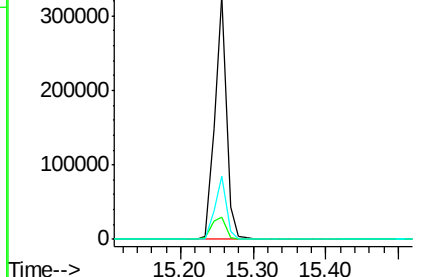
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 29.26 ng

RT: 13.74 min Scan# 1098

Delta R.T. -0.06 min

Lab File: BF079693.D

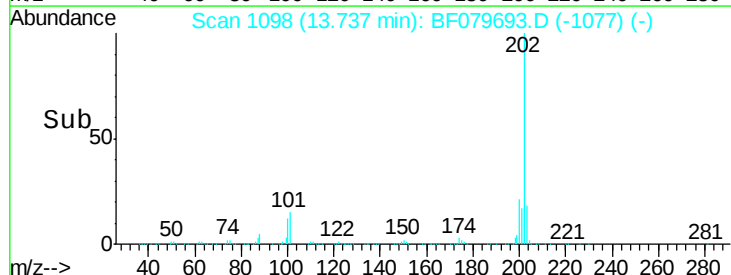
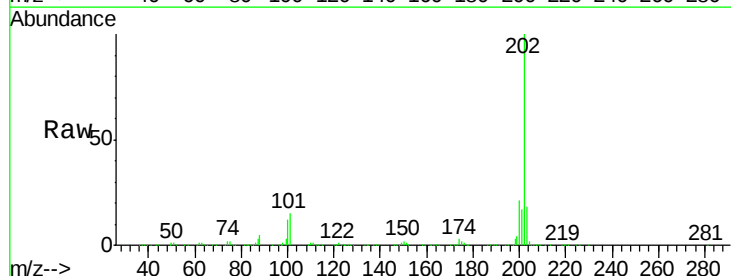
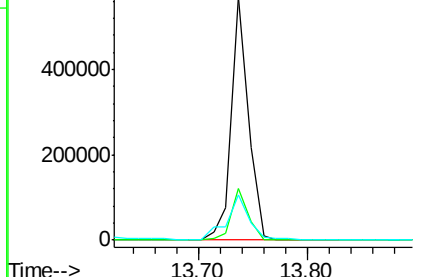
Acq: 4 Jun 2015 7:51

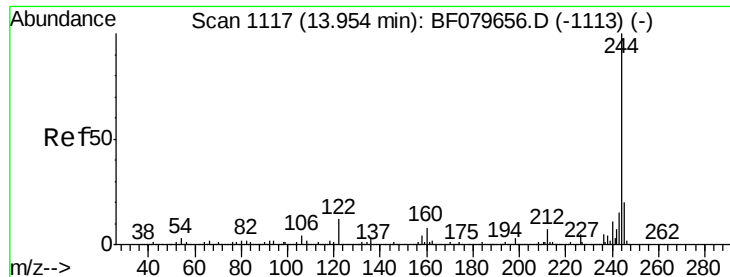
Tgt Ion:	202	Resp:	617986
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.0
203	18.3	14.5	21.7

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





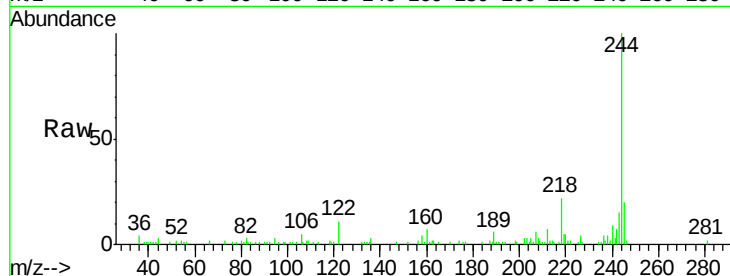
#78
 Terphenyl-d14
 Concen: 2.43 ng
 RT: 13.89 min Scan# 1111
 Delta R.T. -0.07 min
 Lab File: BF079693.D
 Acq: 4 Jun 2015 7:51

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(4)DL

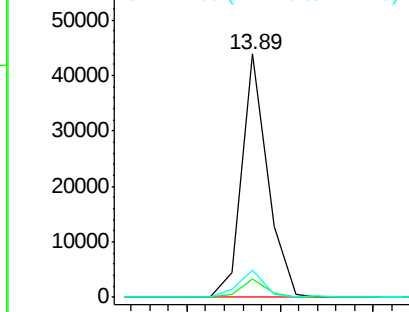
Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.3	9.8	14.6

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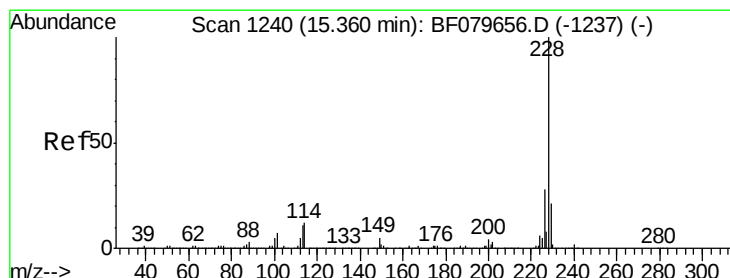
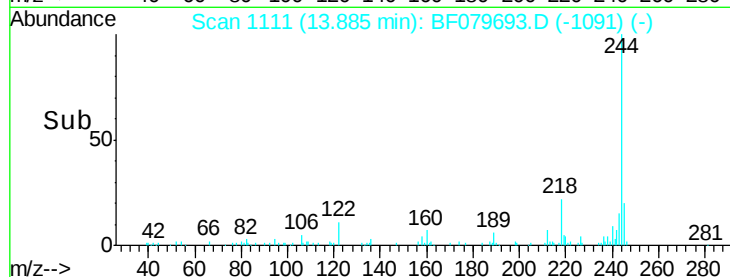
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Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

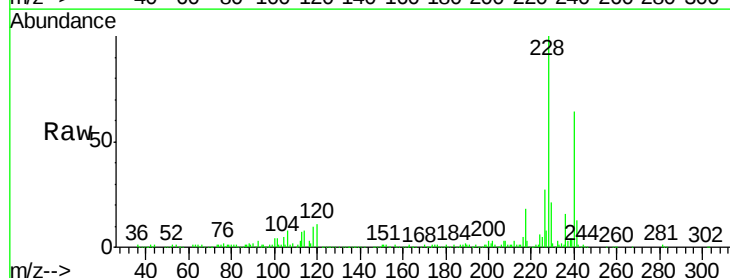


Time-->

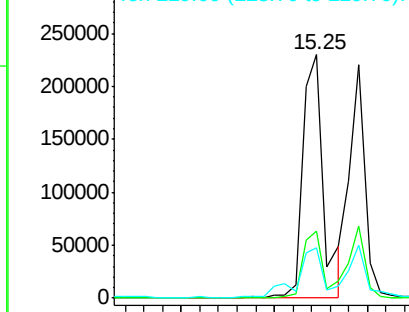


#80
 Benzo(a)anthracene
 Concen: 18.20 ng
 RT: 15.25 min Scan# 1230
 Delta R.T. -0.11 min
 Lab File: BF079693.D
 Acq: 4 Jun 2015 7:51

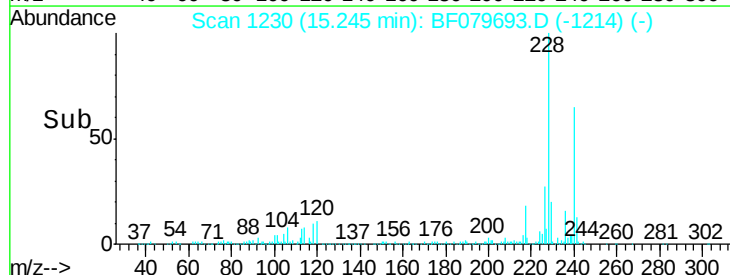
Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.4	22.5	33.7
229	20.7	16.6	24.8

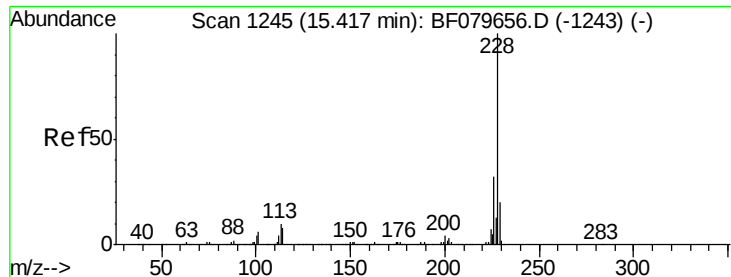


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time-->





#82

Chrysene

Concen: 12.68 ng

RT: 15.29 min Scan# 1234

Delta R.T. -0.13 min

Lab File: BF079693.D

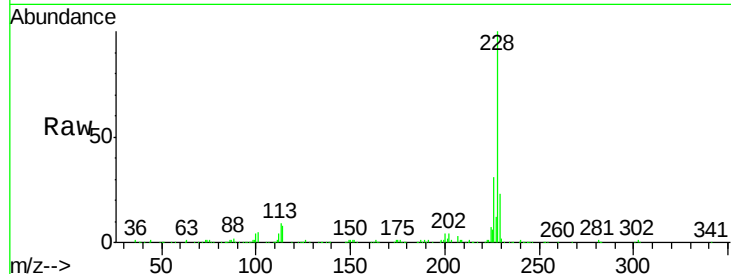
Acq: 4 Jun 2015 7:51

Instrument :

BNA_F

ClientSampleId :

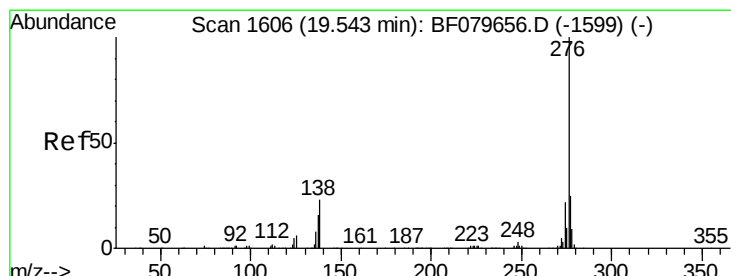
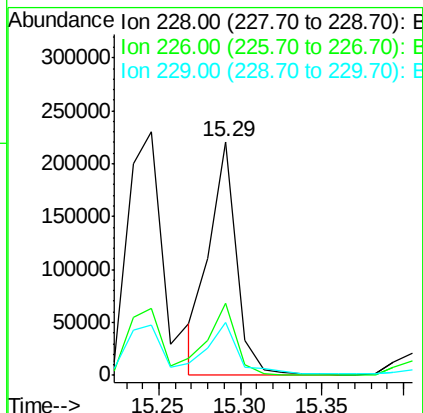
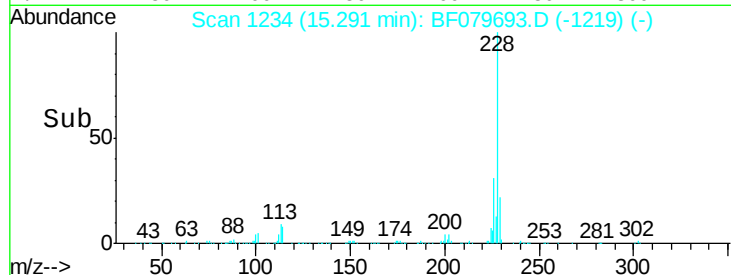
RAMPTP-440SB2.1(4)DL



Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.6	25.2	37.8		
229	22.7	16.3	24.5		

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#85

Indeno(1,2,3-cd)pyrene

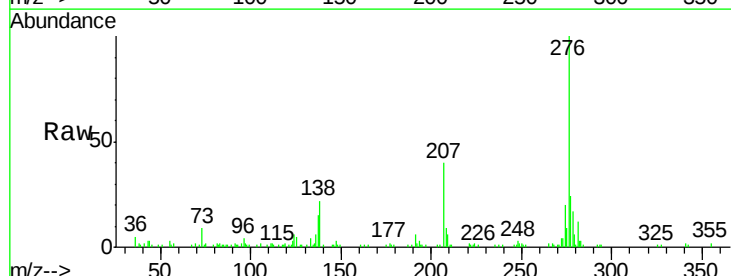
Concen: 5.31 ng

RT: 19.35 min Scan# 1589

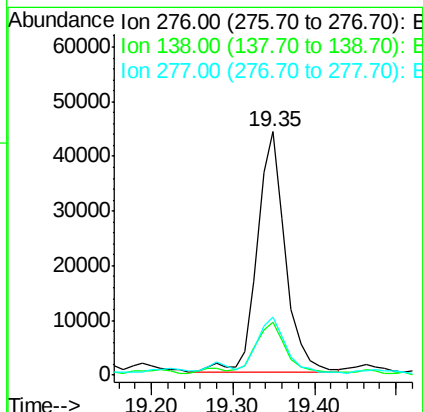
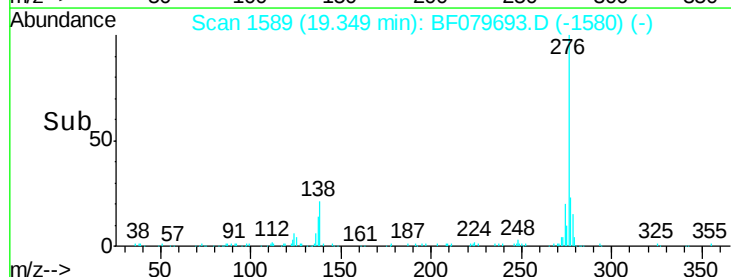
Delta R.T. -0.19 min

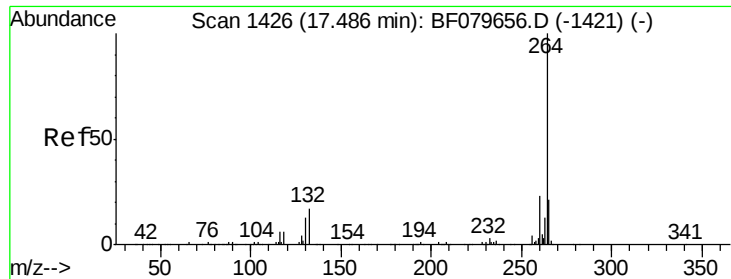
Lab File: BF079693.D

Acq: 4 Jun 2015 7:51



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	23.0	21.9	32.9		
277	24.6	20.2	30.4		





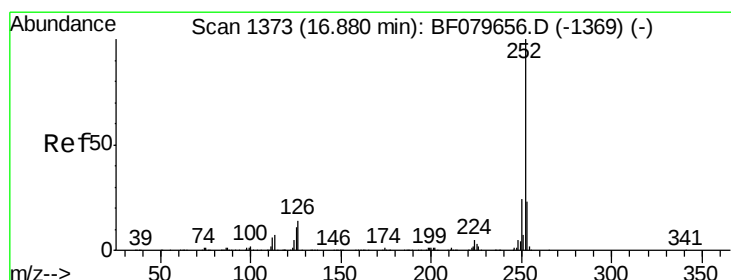
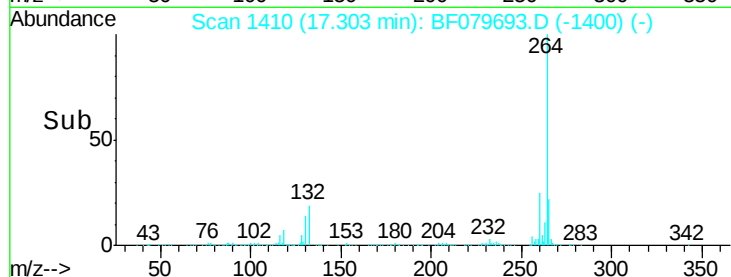
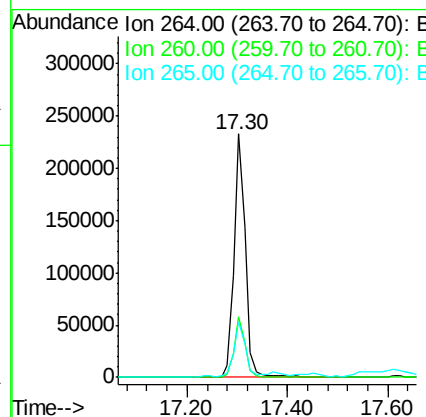
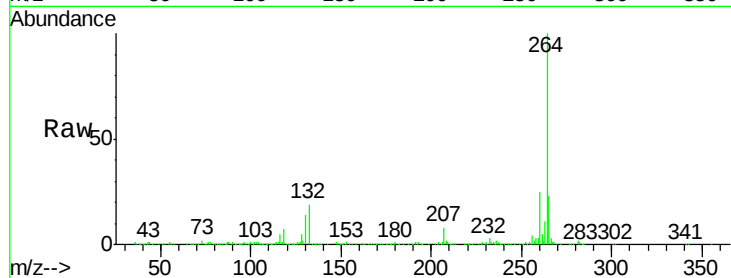
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.30 min Scan# 1410
Delta R.T. -0.18 min
Lab File: BF079693.D
Acq: 4 Jun 2015 7:51

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)DL

Tot Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.0	18.8	28.2
265	22.8	17.4	26.0

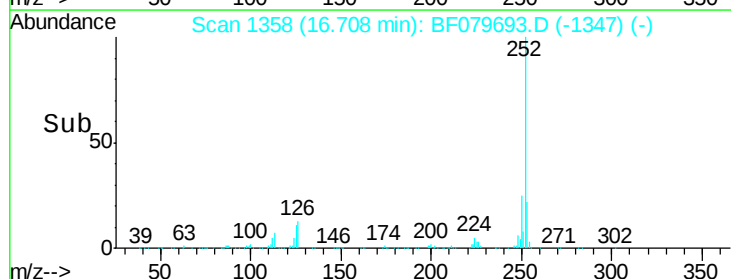
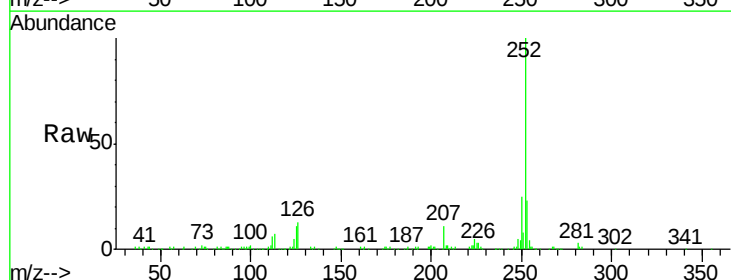
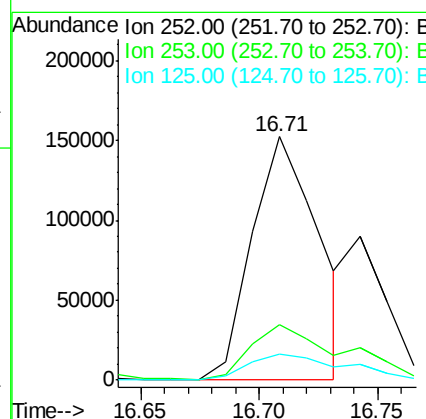
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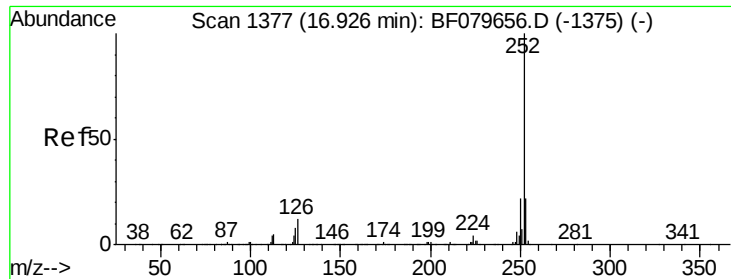
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#87
Benzo(b)fluoranthene
Concen: 15.96 ng m
RT: 16.71 min Scan# 1358
Delta R.T. -0.17 min
Lab File: BF079693.D
Acq: 4 Jun 2015 7:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.7	18.0	27.0
125	10.7	8.7	13.1





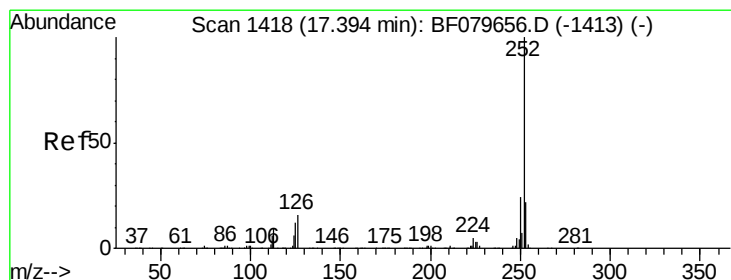
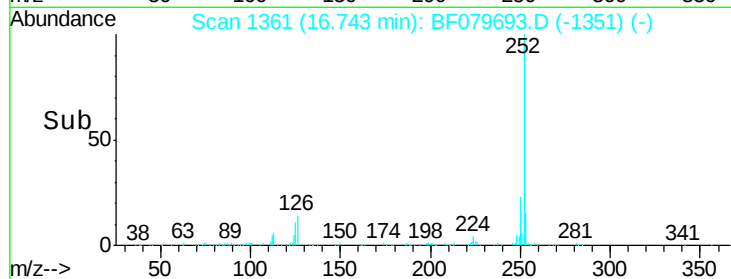
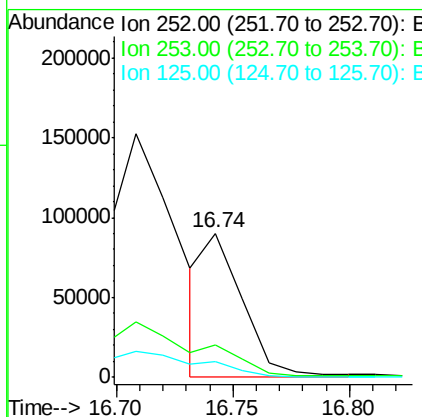
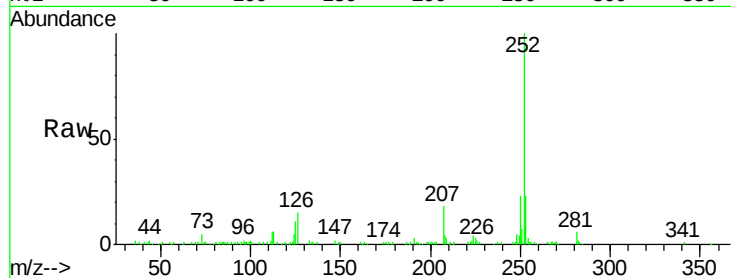
#88
Benzo(k)fluoranthene
Concen: 4.83 ng m
RT: 16.74 min Scan# 1361
Delta R.T. -0.18 min
Lab File: BF079693.D
Acq: 4 Jun 2015 7:51

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB2.1(4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	11.1	7.1	10.7

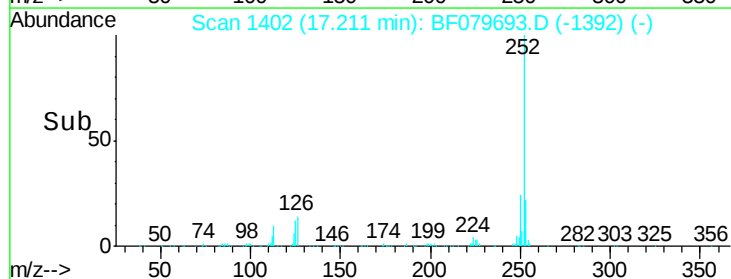
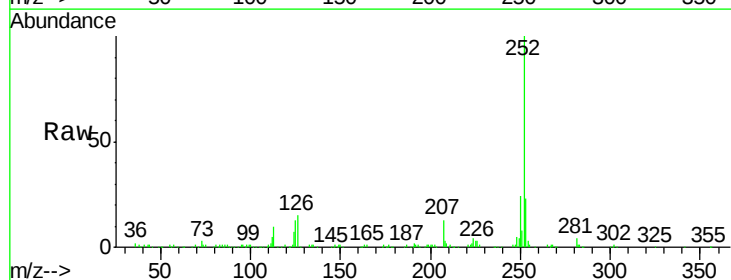
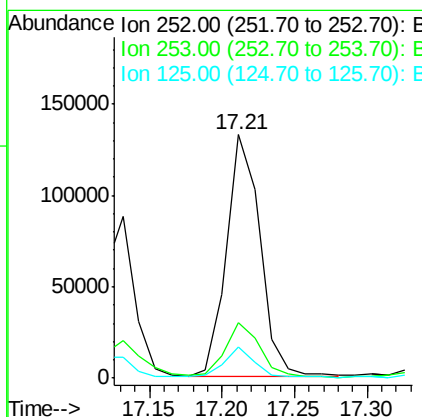
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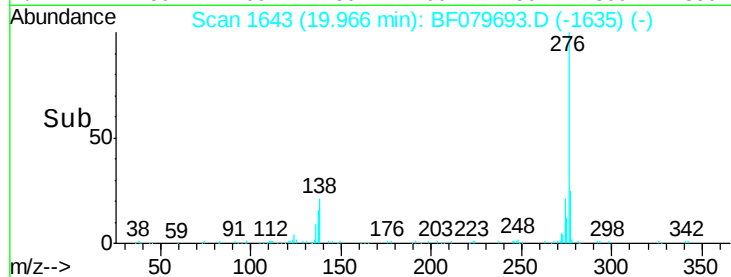
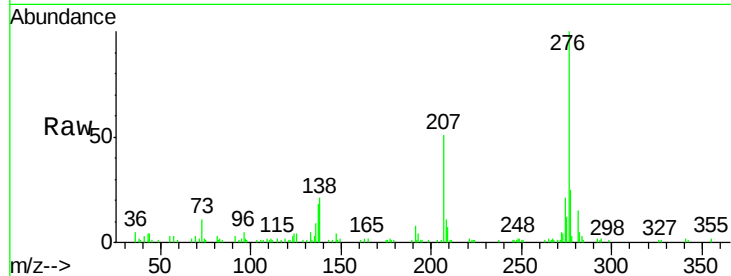
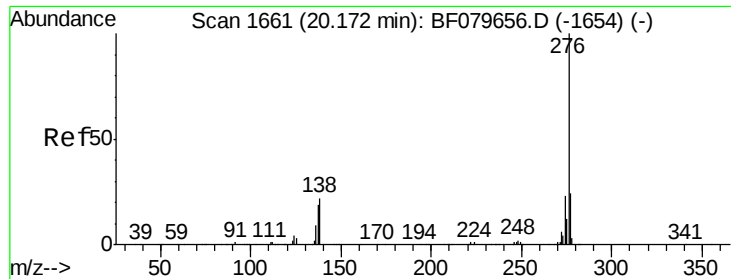
apatel
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#89
Benzo(a)pyrene
Concen: 11.68 ng
RT: 17.21 min Scan# 1402
Delta R.T. -0.18 min
Lab File: BF079693.D
Acq: 4 Jun 2015 7:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	12.6	9.4	14.0





#91
 Benzo(a,h,i)perylene
 Concen: 5.30 ng
 RT: 19.97 min Scan# 1643
 Delta R.T. -0.21 min
 Lab File: BF079693.D
 Acq: 4 Jun 2015 7:51

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB2.1(4)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.1	28.7
138	21.3	17.4	26.0

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