

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
 Data File : BF079679.D
 Acq On : 4 Jun 2015 1:07
 Operator : TP/IZ
 Sample : G2408-19
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-17D

Manual Integrations
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 6/5/2015 8:08:56 AM

Quant Time: Jun 04 04:28:44 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 15:20:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	81614	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	319995	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	161130	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	317798	20.00	ng	-0.03
75) Chrysene-d12	15.03	240	315834m	20.00	ng	-0.35
86) Perylene-d12	16.97	264	307034m	20.00	ng	-0.51
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	719750	159.58	ng	0.00
7) Phenol-d6	7.11	99	880851	150.52	ng	0.00
23) Nitrobenzene-d5	8.08	82	473775	86.13	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	195487	147.00	ng	-0.01
44) 2-Fluorobiphenyl	9.88	172	1012767	96.01	ng	0.00
78) Terphenyl-d14	13.77	244	1207197	97.67	ng	-0.18
Target Compounds						Qvalue
49) Dimethylphthalate	10.27	163	153899	13.04	ng	97
51) Acenaphthene	10.63	154	20661	2.11	ng	98
57) Fluorene	11.14	166	39158	3.38	ng	98
70) Phenanthrene	12.13	178	447410	25.46	ng	99
71) Anthracene	12.18	178	109316	6.18	ng	96
74) Fluoranthene	13.38	202	485409m	25.62	ng	
77) Pyrene	13.63	202	425443	23.40	ng	99
80) Benzo(a)anthracene	15.02	228	228715m	13.24	ng	
82) Chrysene	15.06	228	172708m	9.94	ng	
83) Bis(2-ethylhexyl)phthalate	14.97	149	13073m	4.40	ng	
85) Indeno(1,2,3-cd)pyrene	18.98	276	87578m	5.15	ng	
87) Benzo(b)fluoranthene	16.39	252	200534m	12.64	ng	
88) Benzo(k)fluoranthene	16.42	252	83066m	4.47	ng	
89) Benzo(a)pyrene	16.89	252	176899m	11.40	ng	
91) Benzo(a,h,i)perylene	19.60	276	92386m	5.99	ng	

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

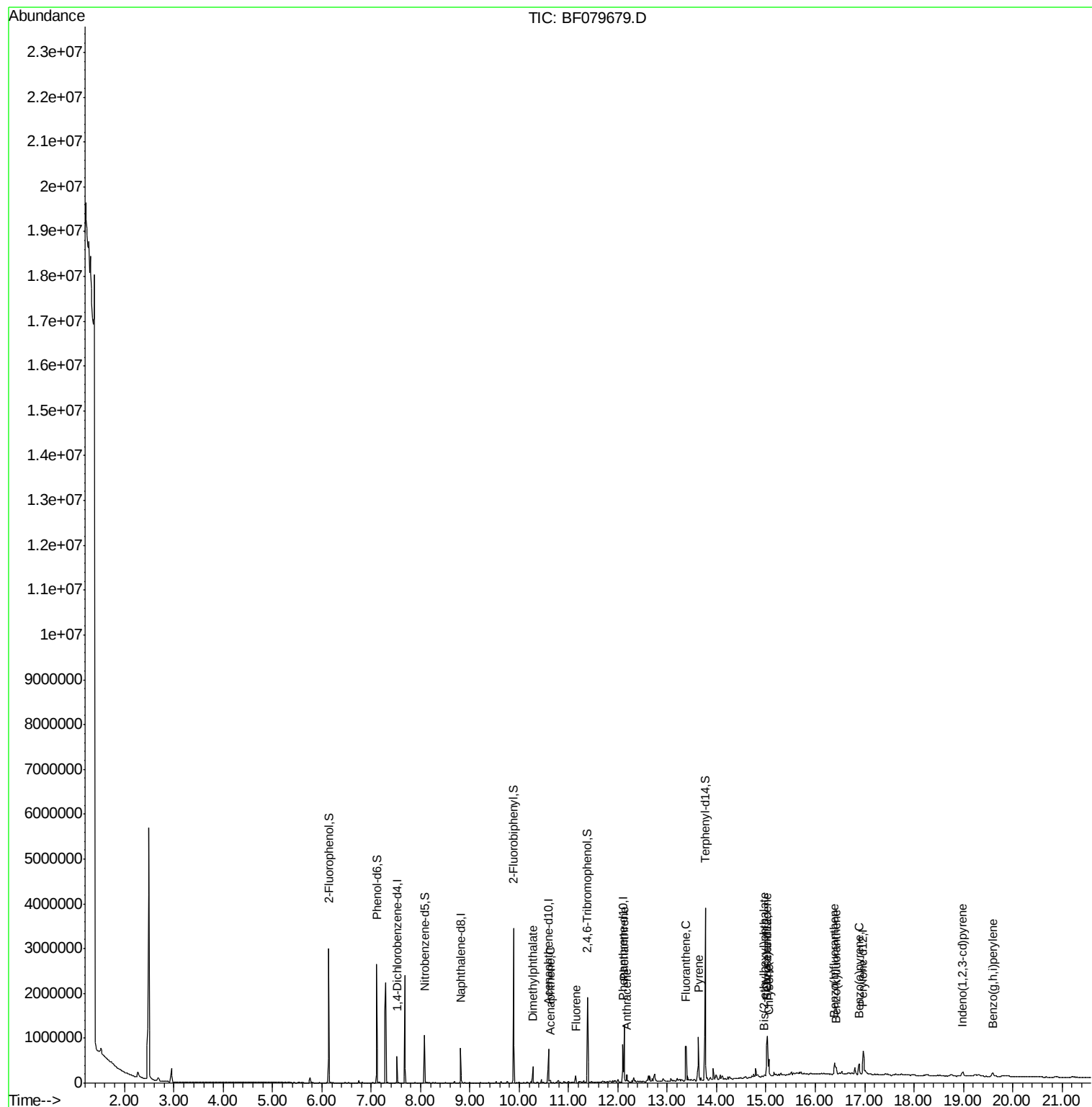
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079679.D
Acq On : 4 Jun 2015 1:07
Operator : TP/IZ
Sample : G2408-19
Misc :
ALS Vial : 25 Sample Multiplier: 1

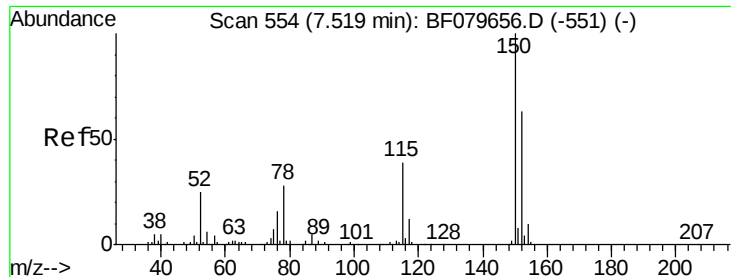
Instrument :
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#1

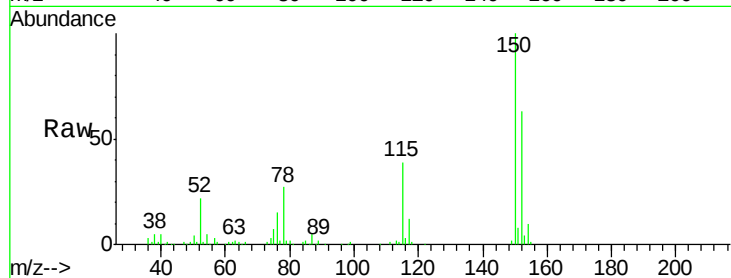
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Instrument :
BNA_F
ClientSampleId :
SB-17D

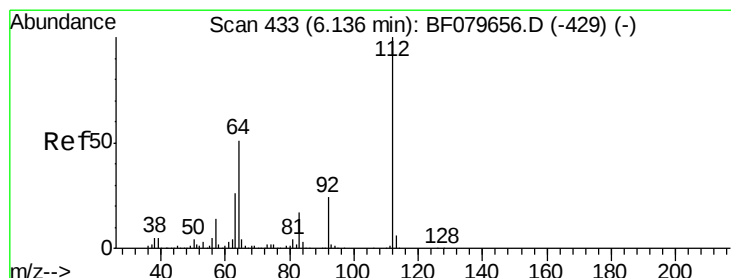
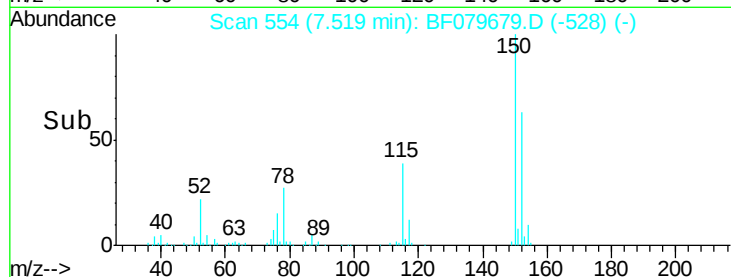
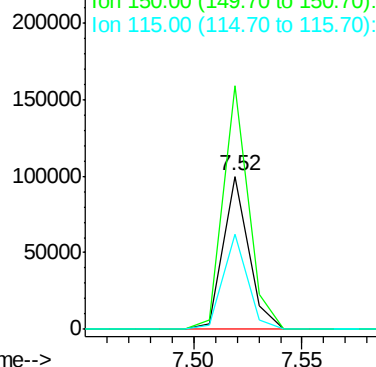
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.7	190.1
115	61.7	49.2	73.8

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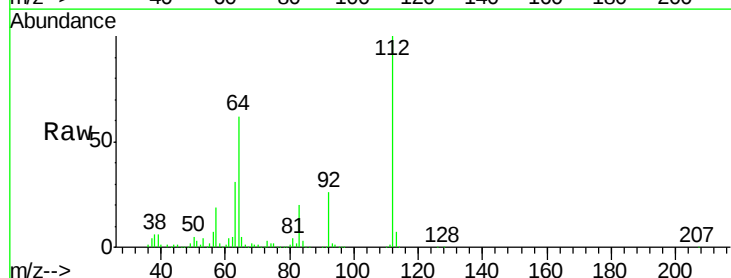
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



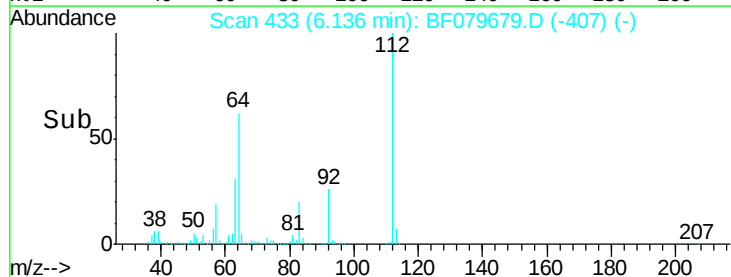
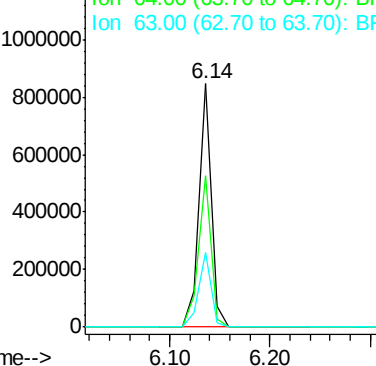
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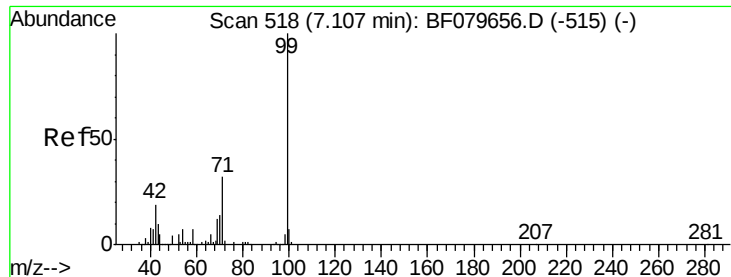
2-Fluorophenol
Concen: 159.58 ng
RT: 6.14 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	41.1	61.7#
63	30.8	20.5	30.7#



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: 150.52 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079679.D

Acq: 4 Jun 2015 1:07

Instrument :

BNA_F

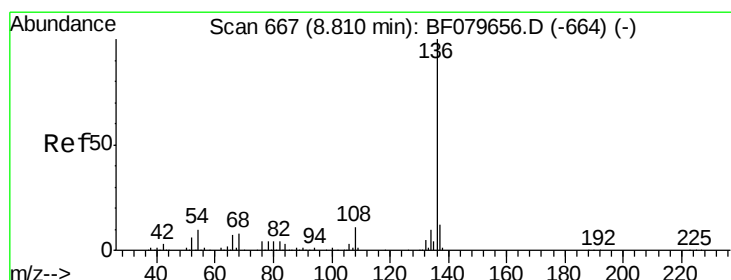
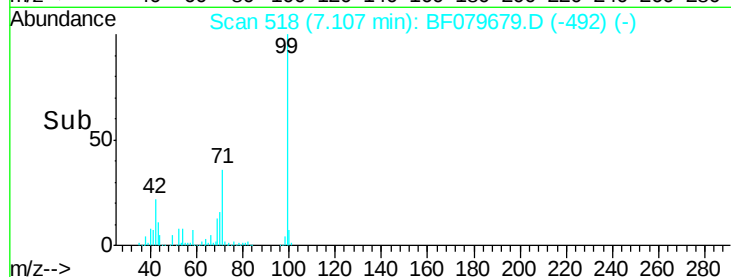
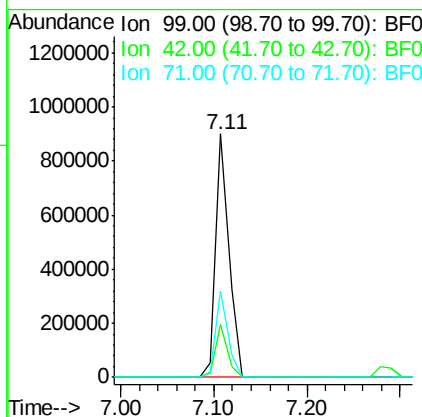
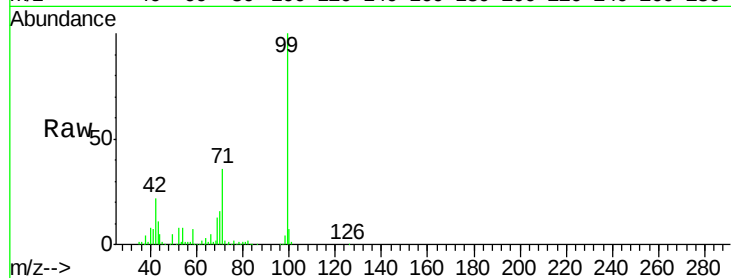
ClientSampleId :

SB-17D

Tot Ion:	99	Resp:	880851
Ion Ratio	Lower	Upper	
99	100		
42	21.6	15.2	22.8
71	35.6	25.9	38.9

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#21

Naphthalene-d8

Concen: 20.00 ng

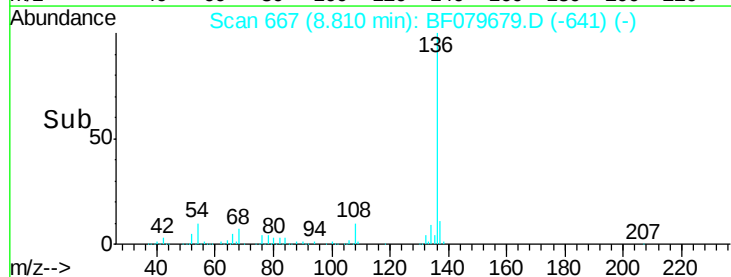
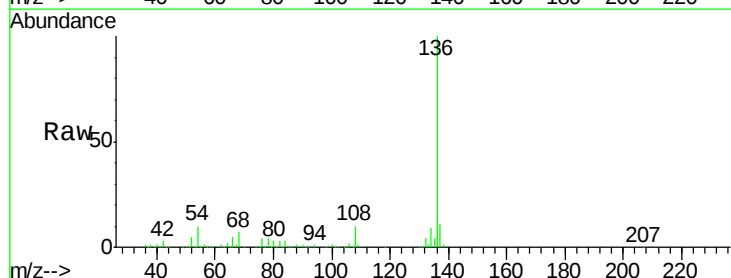
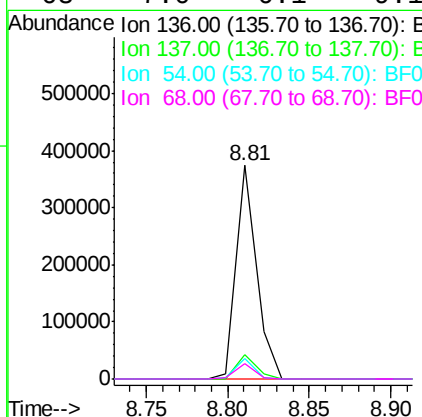
RT: 8.81 min Scan# 667

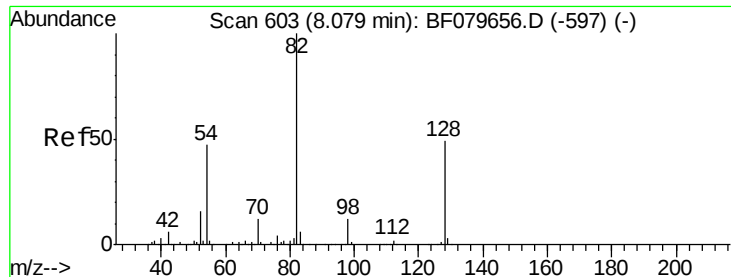
Delta R.T. -0.00 min

Lab File: BF079679.D

Acq: 4 Jun 2015 1:07

Tgt Ion:	136	Resp:	319995
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.3	13.9
54	9.7	8.3	12.5
68	7.0	6.1	9.1





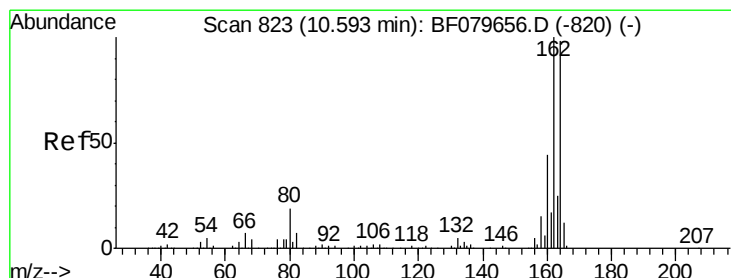
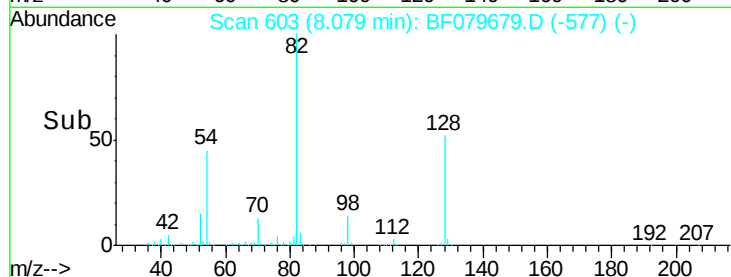
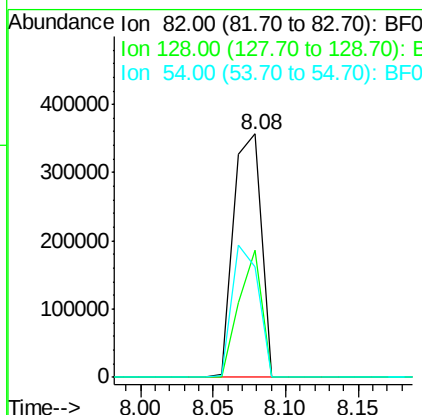
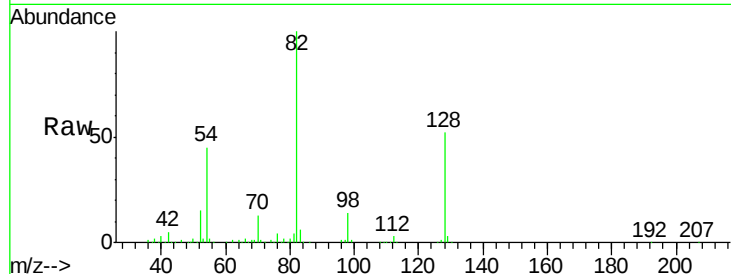
#23
Nitrobenzene-d5
Concen: 86.13 ng
RT: 8.08 min Scan# 603
Delta R.T. 0.00 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Instrument :
BNA_F
ClientSampled :
SB-17D

Tot Ion	Ratio	Lower	Upper
82	100		
128	52.1	39.4	59.0
54	45.5	37.4	56.0

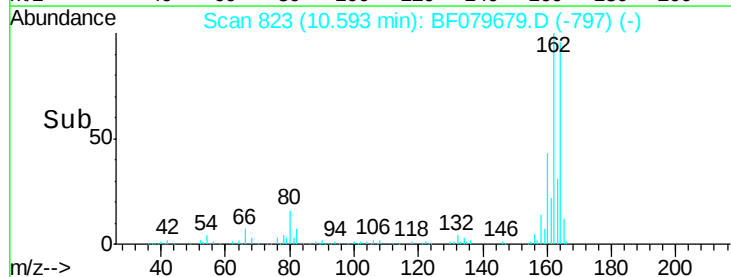
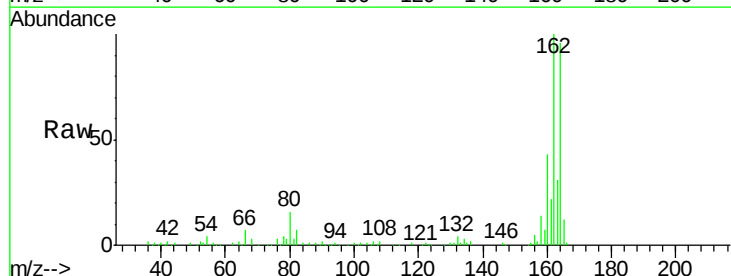
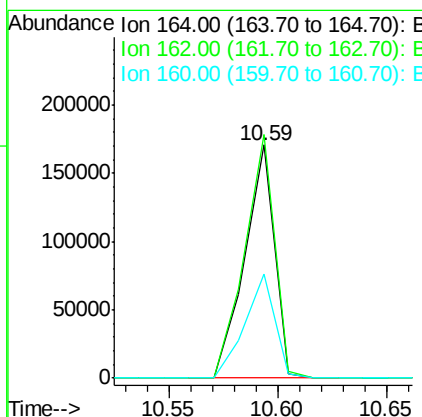
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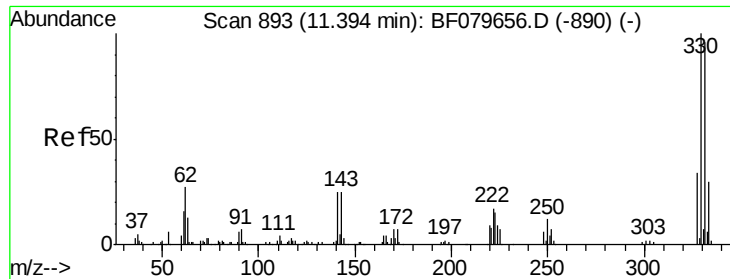
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	82.0	123.0
160	44.6	35.9	53.9





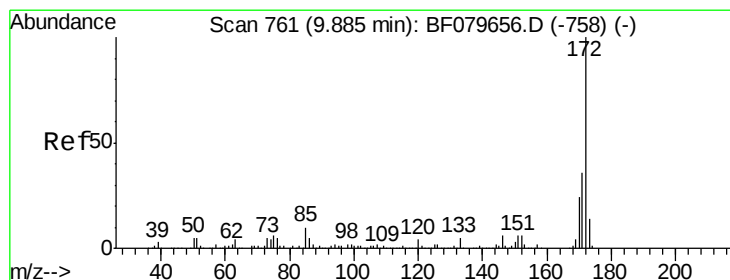
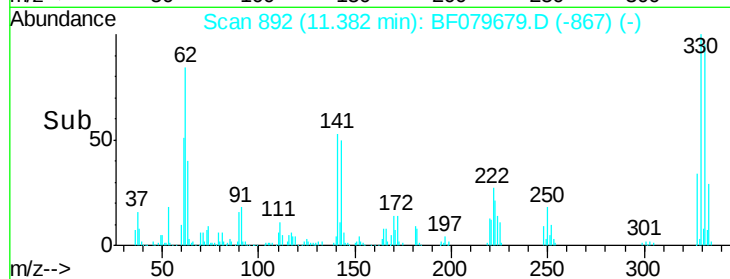
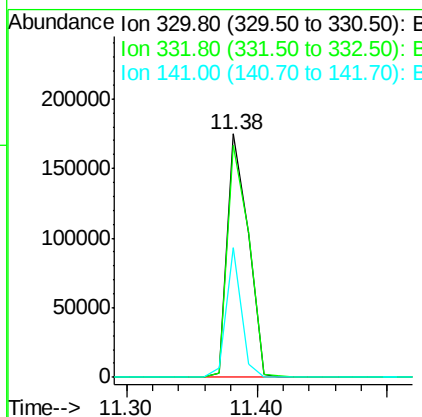
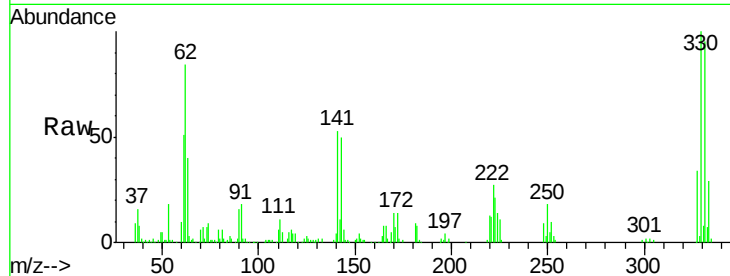
#41
 2,4,6-Tribromophenol
 Concen: 147.00 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF079679.D
 Acq: 4 Jun 2015 1:07

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	195487		
332	97.2		77.3	115.9
141	38.7		27.4	41.2

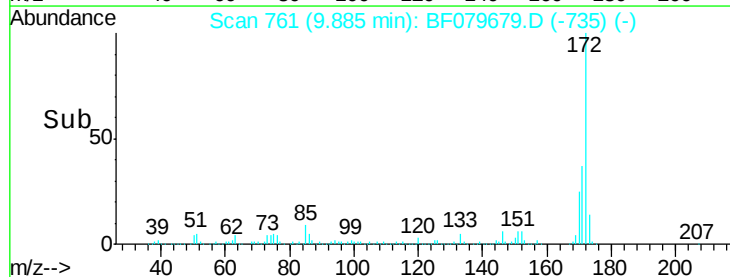
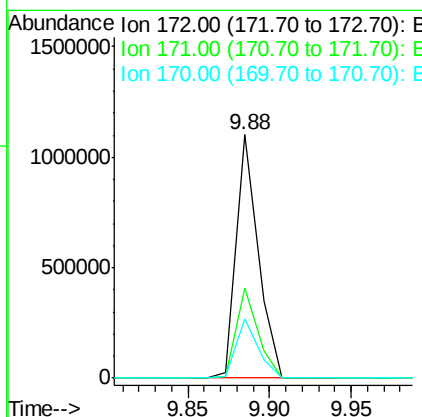
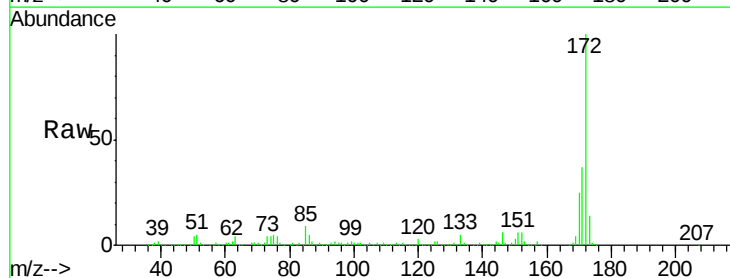
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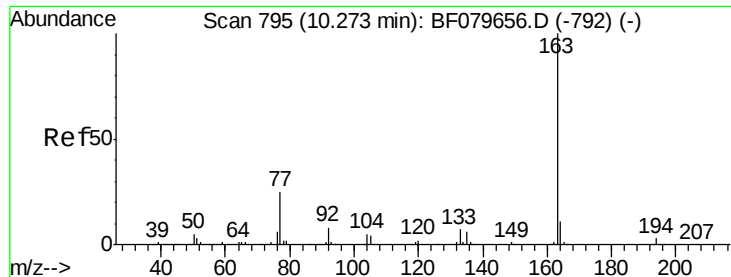
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#44
 2-Fluorobiphenyl
 Concen: 96.01 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF079679.D
 Acq: 4 Jun 2015 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1012767		
171	36.8		28.8	43.2
170	24.6		19.2	28.8





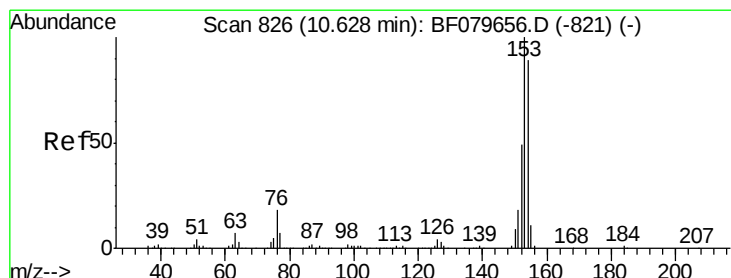
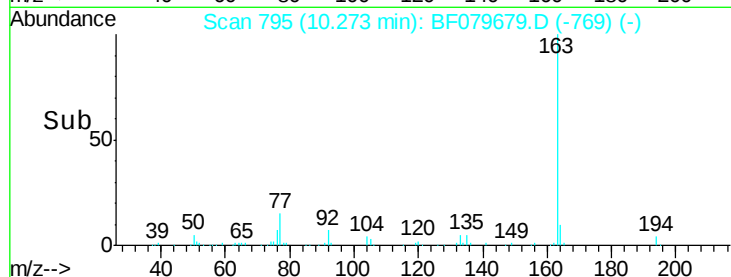
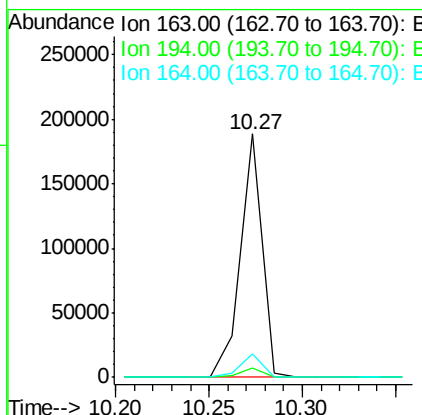
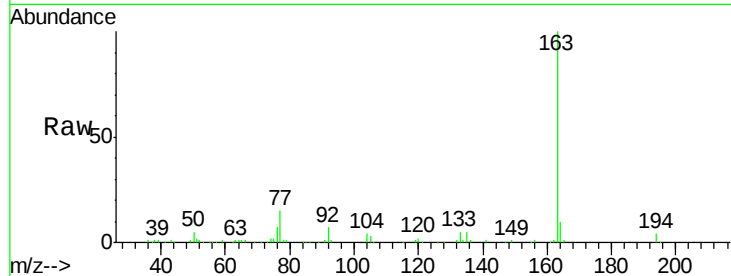
#49
Dimethylphthalate
Concen: 13.04 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	153899		
194	3.7	2.6	3.8	
164	9.6	8.6	12.8	

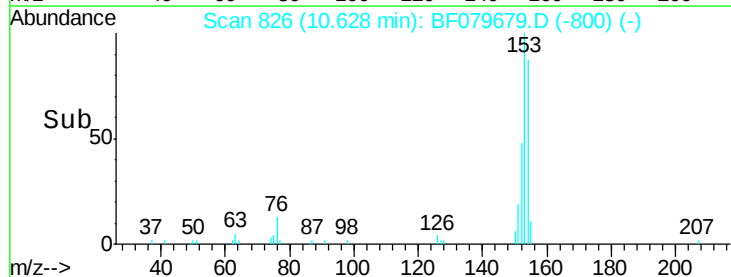
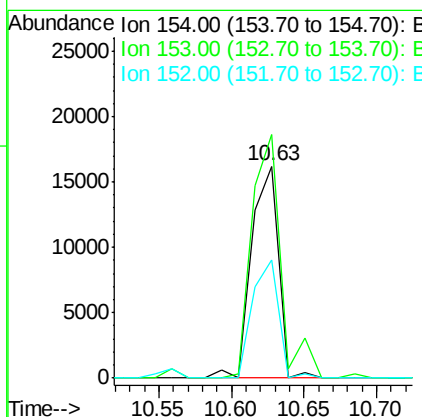
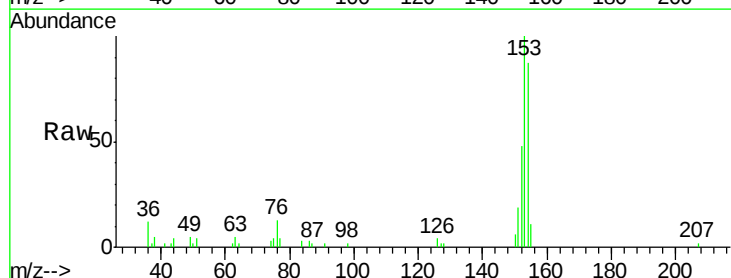
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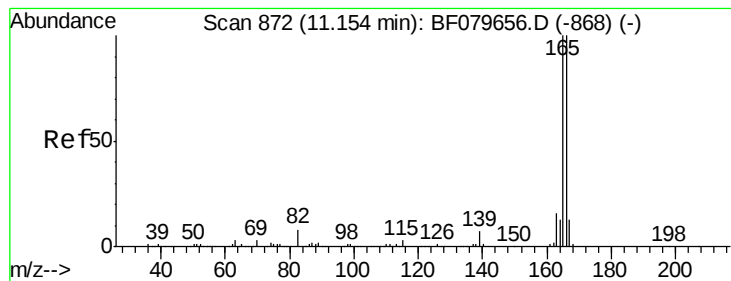
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#51
Acenaphthene
Concen: 2.11 ng
RT: 10.63 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	20661		
153	114.9	89.8	134.6	
152	55.5	43.8	65.8	





#57

Fluorene

Concen: 3.38 ng

RT: 11.14 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF079679.D

Acq: 4 Jun 2015 1:07

Instrument :

BNA_F

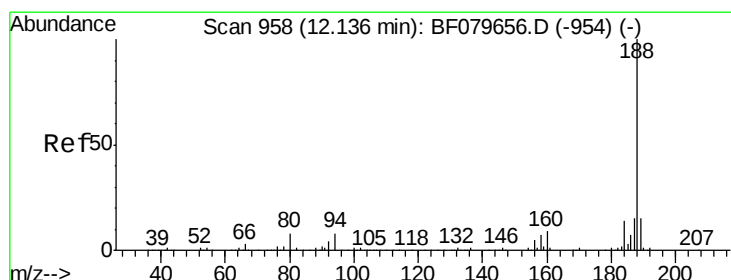
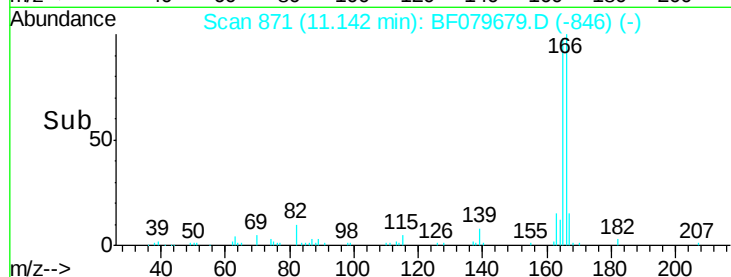
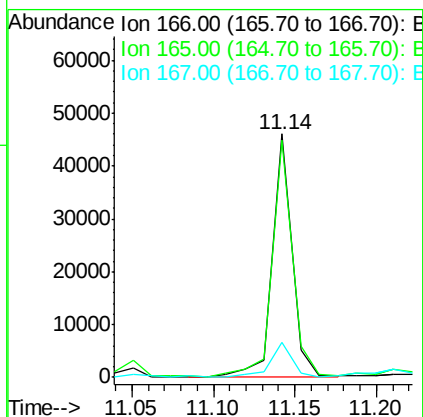
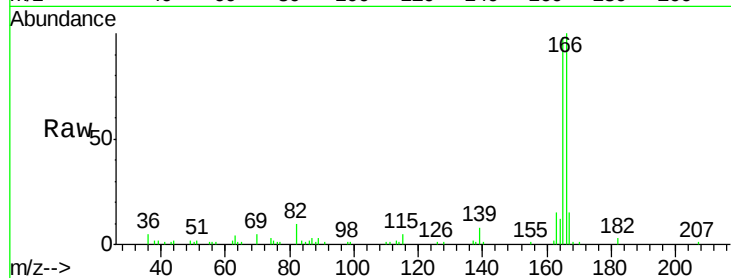
ClientSampleId :

SB-17D

Tot Ion:	166	Resp:	39158
Ion Ratio	Lower	Upper	
166	100		
165	97.5	79.8	119.6
167	14.6	10.6	15.8

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#63

Phenanthrene-d10

Concen: 20.00 ng

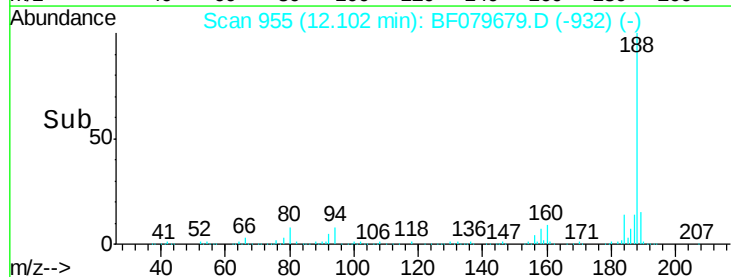
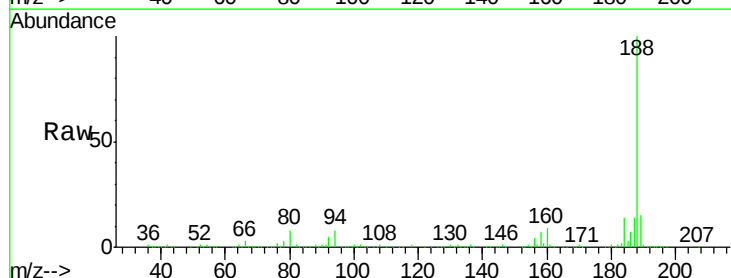
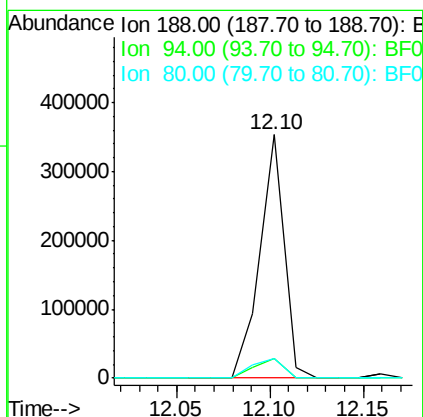
RT: 12.10 min Scan# 955

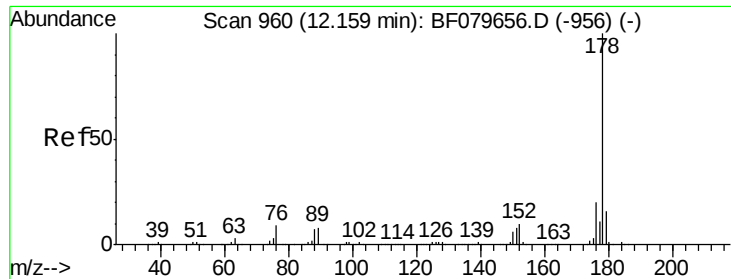
Delta R.T. -0.03 min

Lab File: BF079679.D

Acq: 4 Jun 2015 1:07

Tgt Ion:	188	Resp:	317798
Ion Ratio	Lower	Upper	
188	100		
94	8.2	6.1	9.1
80	8.3	6.2	9.2





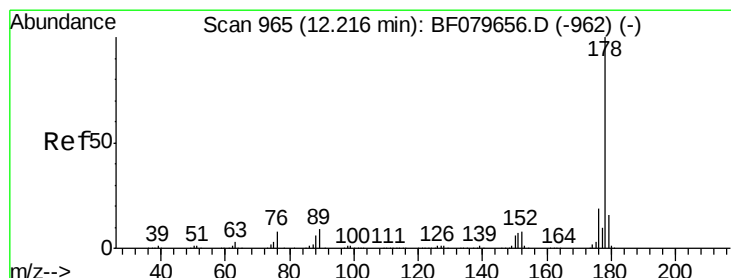
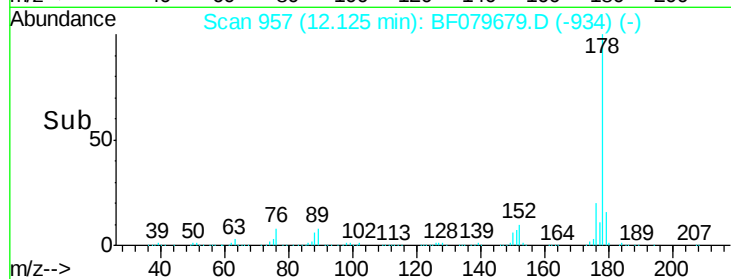
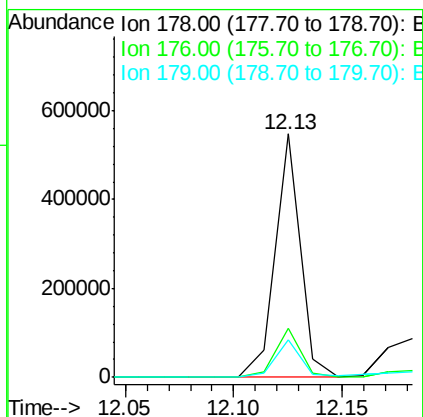
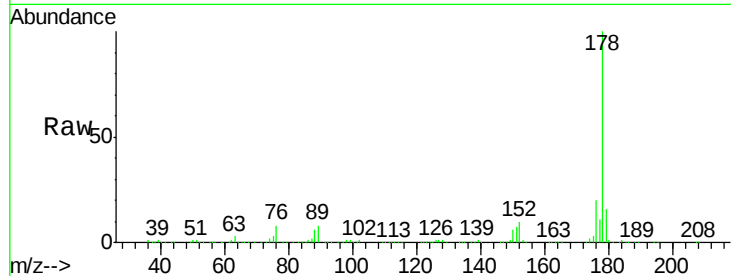
#70
Phenanthrene
Concen: 25.46 ng
RT: 12.13 min Scan# 957
Delta R.T. -0.03 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Instrument :
BNA_F
ClientSampleId :
SB-17D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		447410		
176	20.1	15.8	23.8		
179	15.5	12.7	19.1		

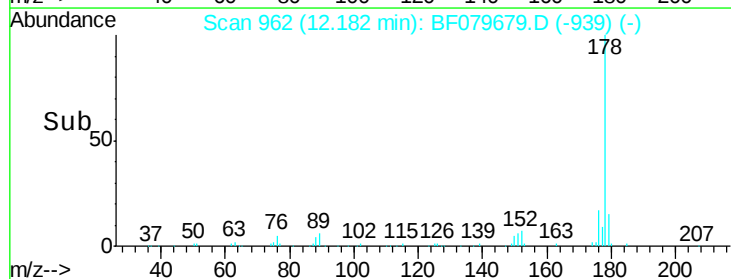
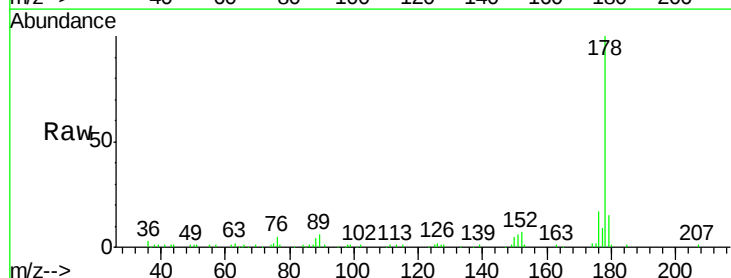
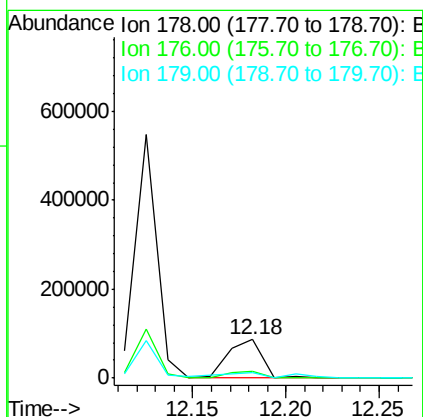
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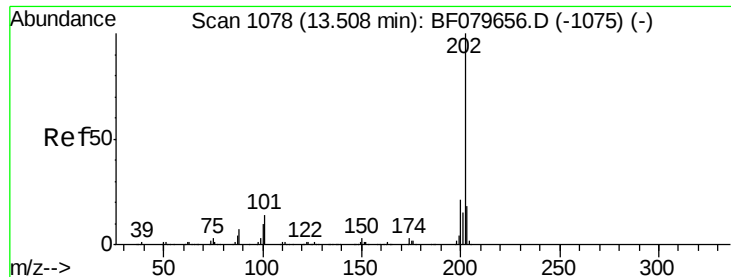
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#71
Anthracene
Concen: 6.18 ng
RT: 12.18 min Scan# 962
Delta R.T. -0.03 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		109316		
176	17.4	15.4	23.0		
179	14.6	12.6	19.0		





#74

Fluoranthene

Concen: 25.62 ng m

RT: 13.38 min Scan# 1067

Delta R.T. -0.13 min

Lab File: BF079679.D

Acq: 4 Jun 2015 1:07

Instrument :

BNA_F

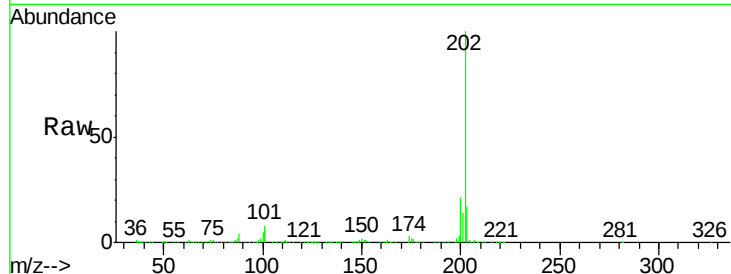
ClientSampled :

SB-17D

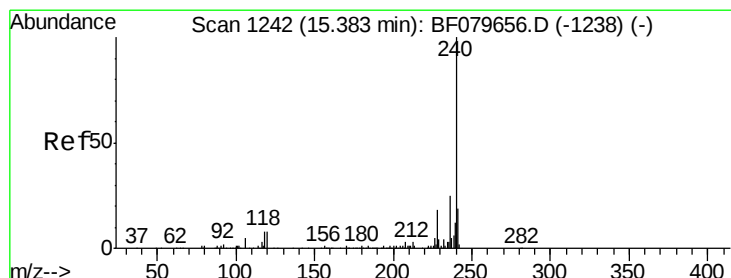
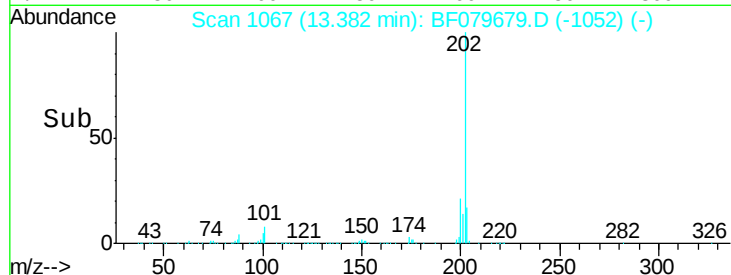
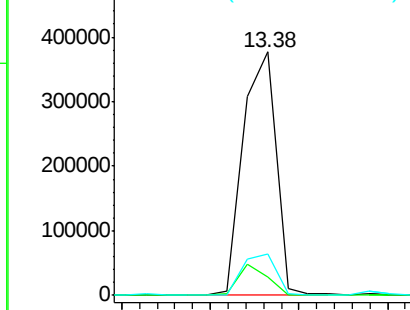
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		485409		
101	7.7	0.0	34.0		
203	17.1	0.0	37.9		

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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 m

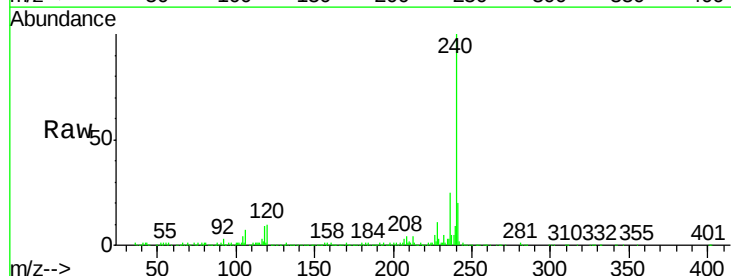
RT: 15.03 min Scan# 1211

Delta R.T. -0.35 min

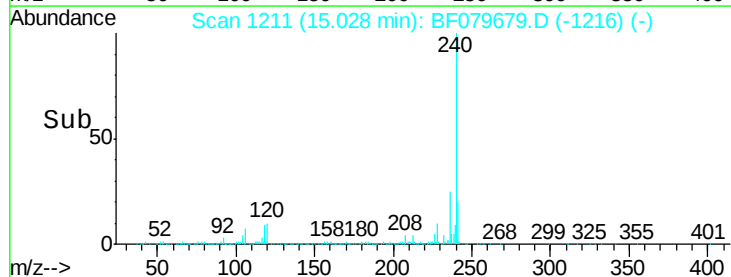
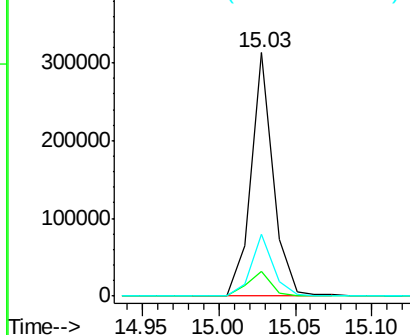
Lab File: BF079679.D

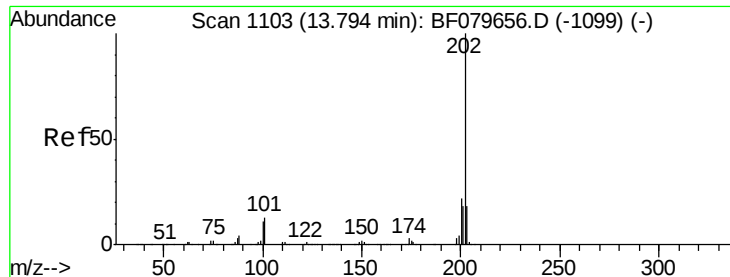
Acq: 4 Jun 2015 1:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		315834		
120	10.3	6.4	9.6#		
236	25.3	20.2	30.4		



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: 23.40 ng

RT: 13.63 min Scan# 1089

Delta R.T. -0.16 min

Lab File: BF079679.D

Acq: 4 Jun 2015 1:07

Instrument :

BNA_F

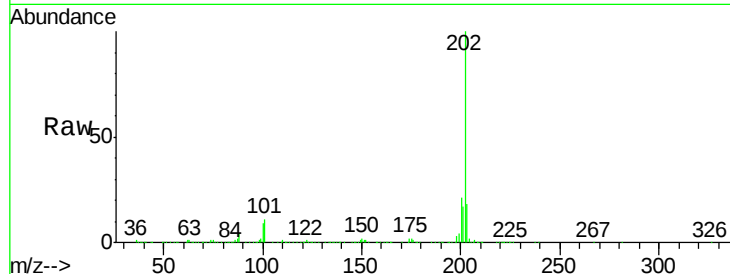
ClientSampleId :

SB-17D

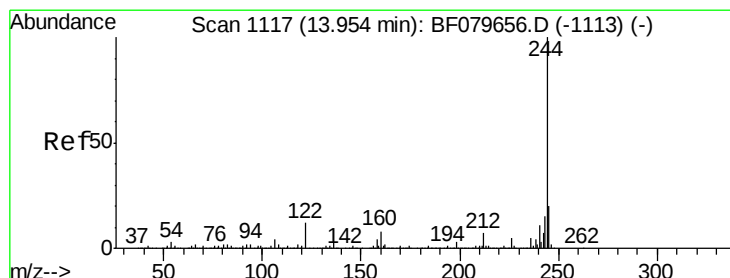
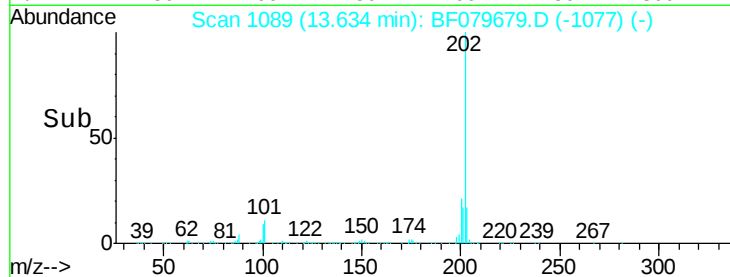
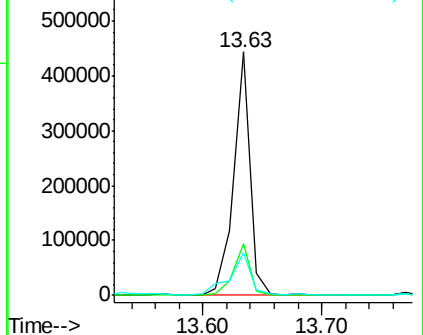
Tot Ion:	202	Resp:	425443
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.4	26.0
203	17.7	14.5	21.7

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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: 97.67 ng

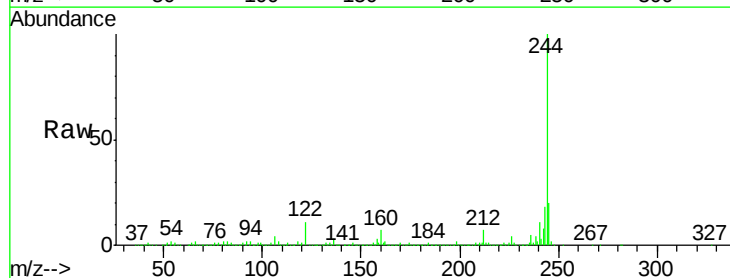
RT: 13.77 min Scan# 1101

Delta R.T. -0.18 min

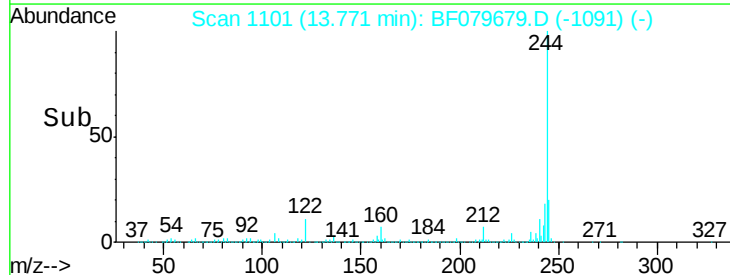
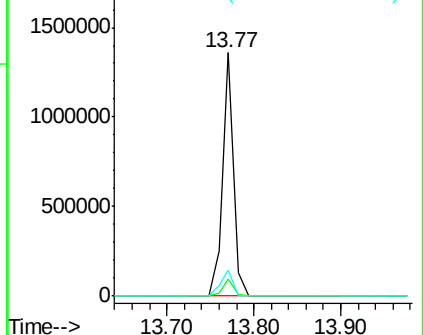
Lab File: BF079679.D

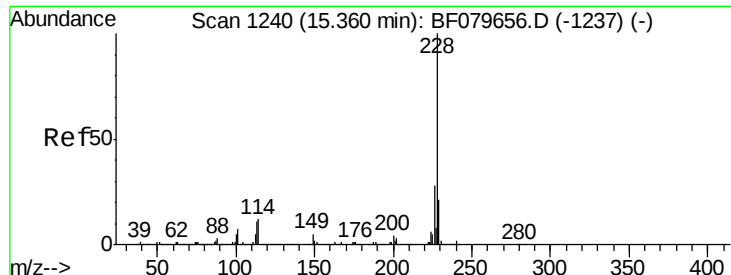
Acq: 4 Jun 2015 1:07

Tgt Ion:	244	Resp:	1207197
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.9	9.8	14.6



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





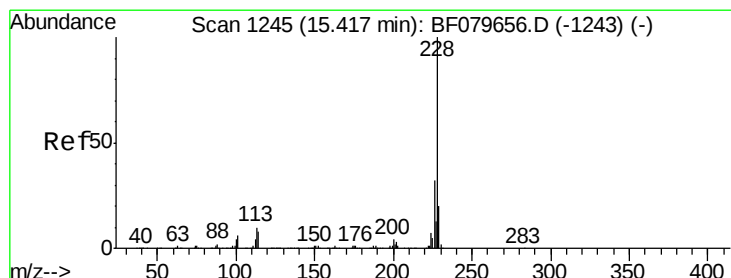
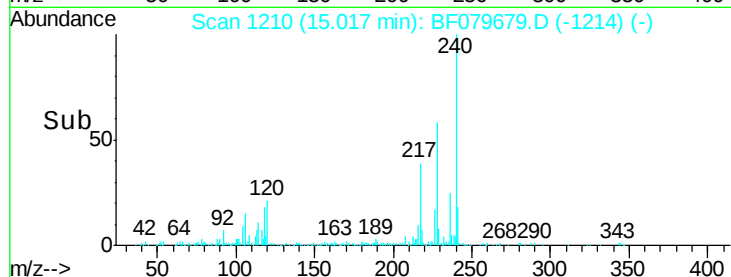
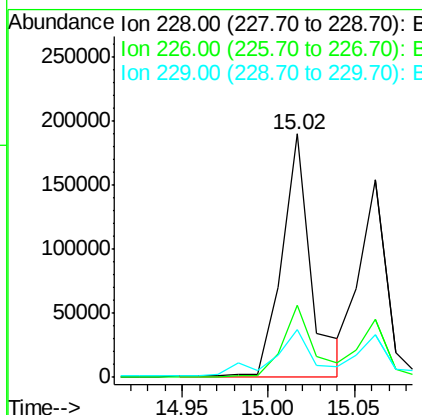
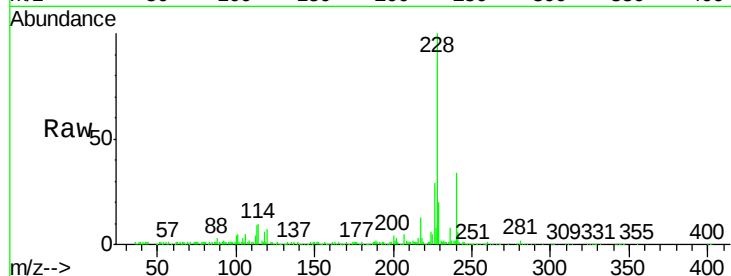
#80
Benzo(a)anthracene
Concen: 13.24 ng m
RT: 15.02 min Scan# 1210
Delta R.T. -0.34 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Instrument :
BNA_F
ClientSampleId :
SB-17D

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.5	33.7
229	19.9	16.6	24.8

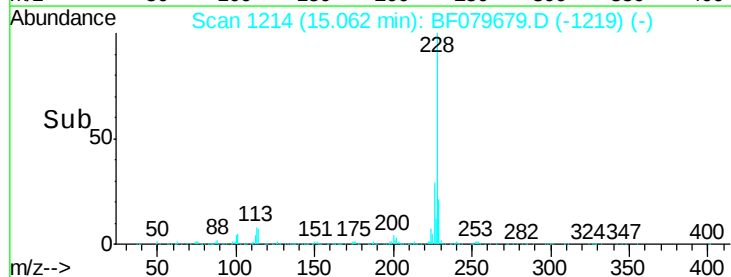
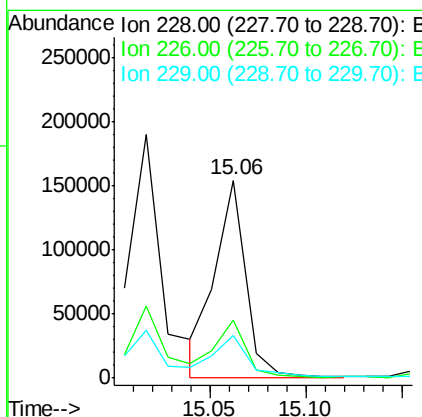
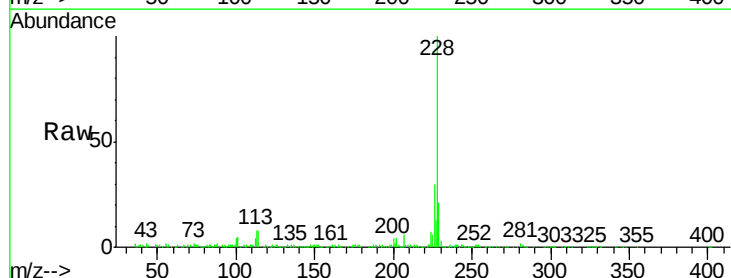
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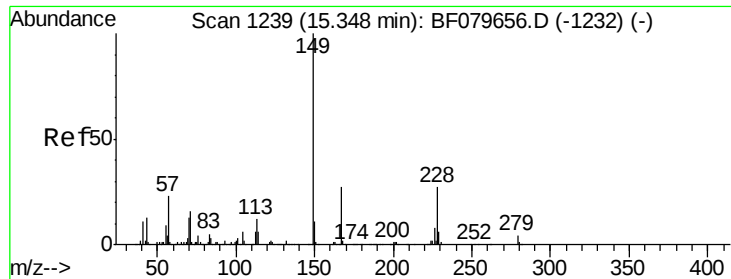
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#82
Chrysene
Concen: 9.94 ng m
RT: 15.06 min Scan# 1214
Delta R.T. -0.35 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.2	37.8
229	21.4	16.3	24.5





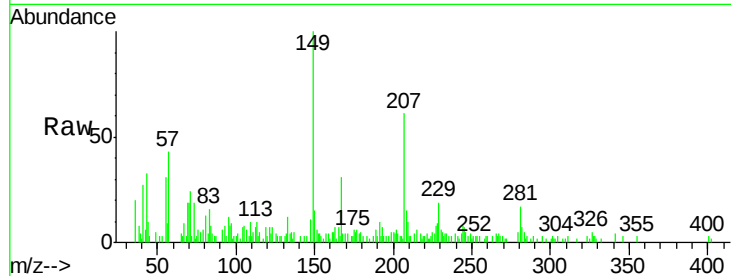
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.40 ng m
 RT: 14.97 min Scan# 1206
 Delta R.T. -0.38 min
 Lab File: BF079679.D
 Acq: 4 Jun 2015 1:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-17D

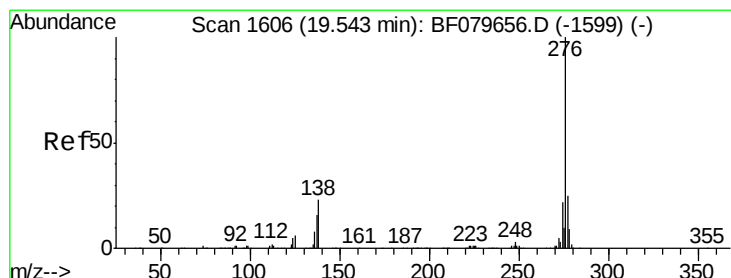
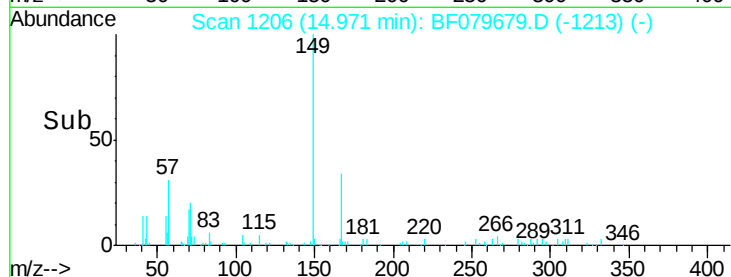
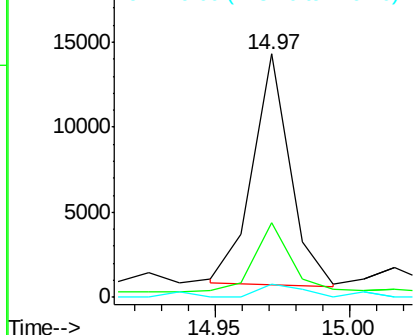
Tot Ion	Ratio	Lower	Upper
149	100		
167	30.5	21.6	32.4
279	5.2	3.1	4.7

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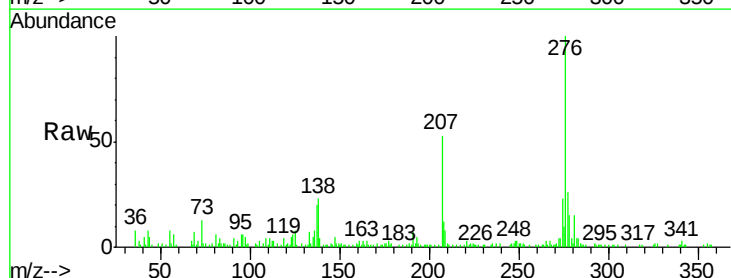


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

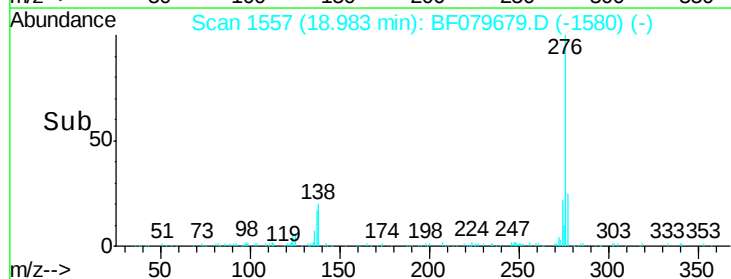
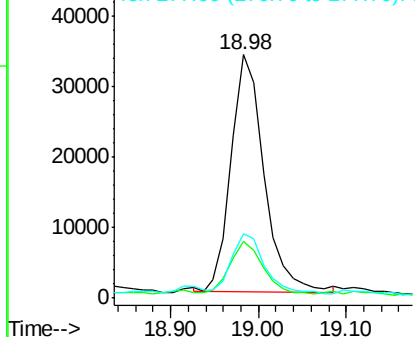


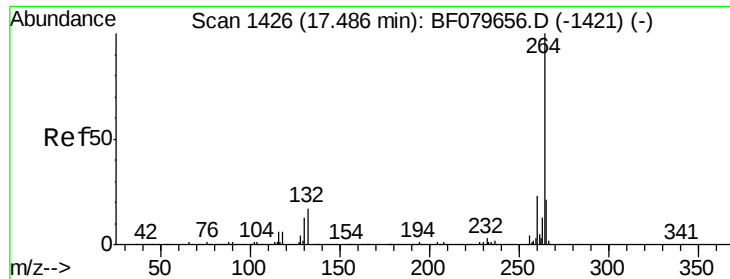
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.15 ng m
 RT: 18.98 min Scan# 1557
 Delta R.T. -0.56 min
 Lab File: BF079679.D
 Acq: 4 Jun 2015 1:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.6	21.9	32.9
277	24.8	20.2	30.4



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





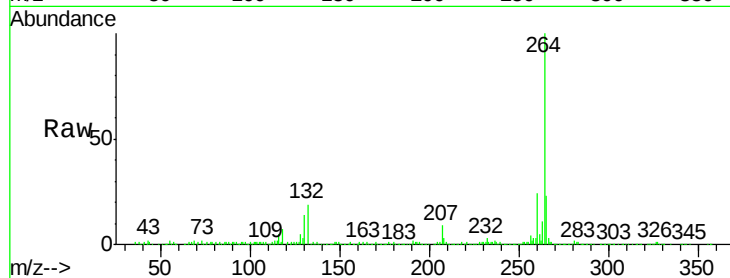
#86
Pervlene-d12
Concen: 20.00 ng m
RT: 16.97 min Scan# 1381
Delta R.T. -0.51 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Instrument :
BNA_F
ClientSampled :
SB-17D

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	22.8	17.4	26.0

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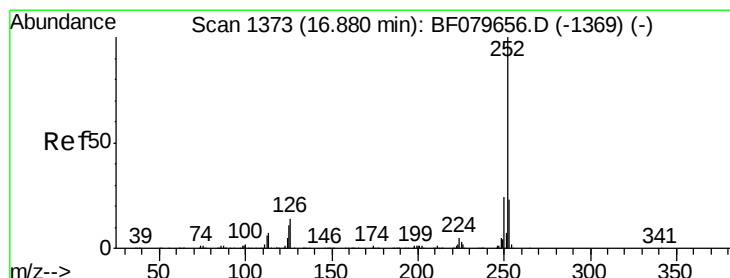
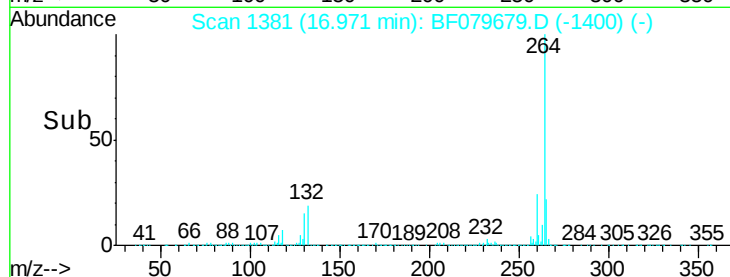
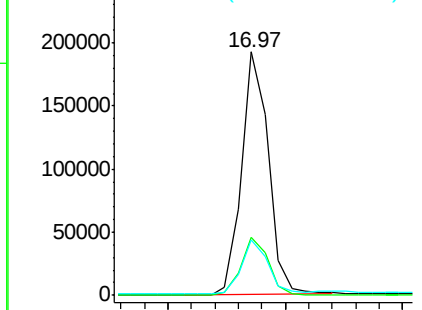


Abundance

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: 12.64 ng m
RT: 16.39 min Scan# 1330
Delta R.T. -0.49 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

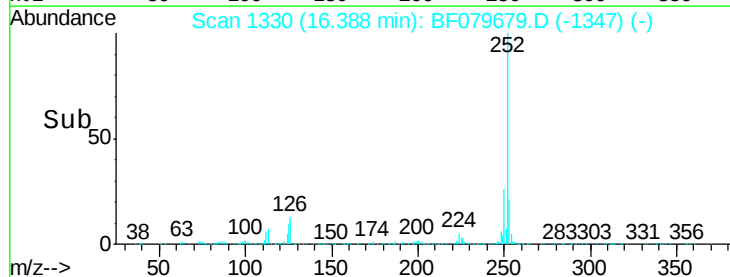
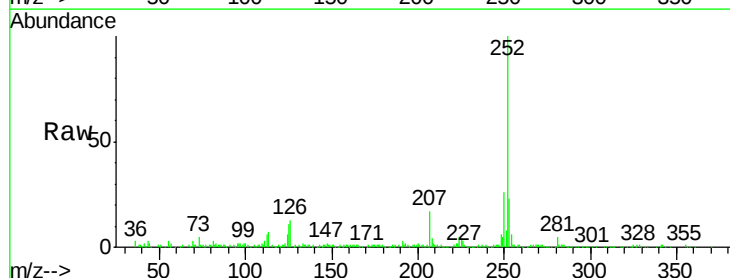
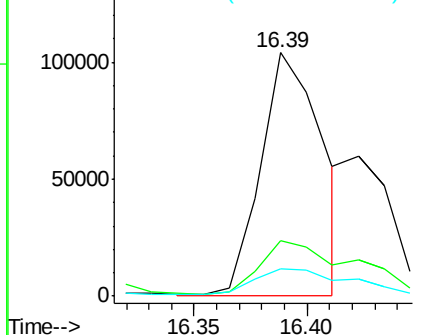
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	11.3	8.7	13.1

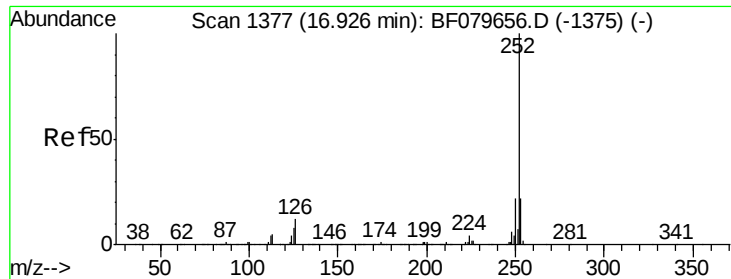
Abundance

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





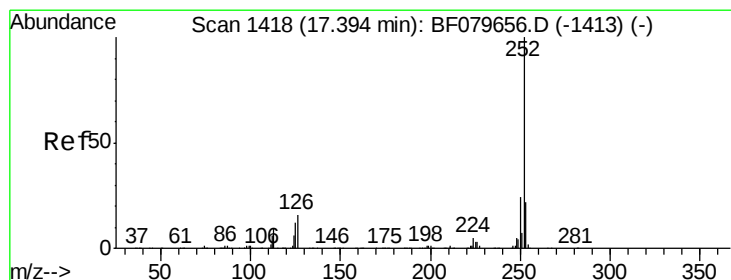
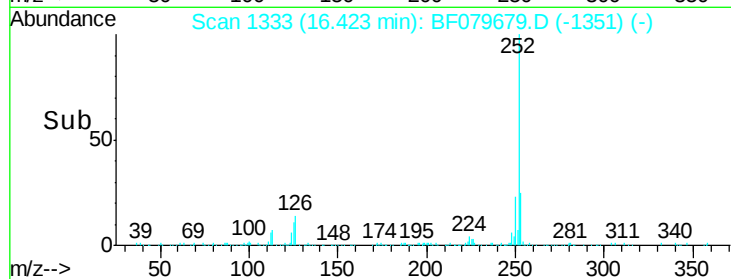
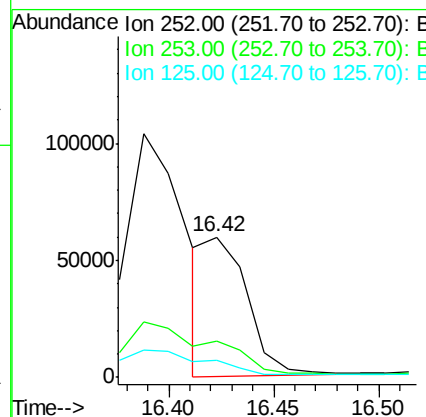
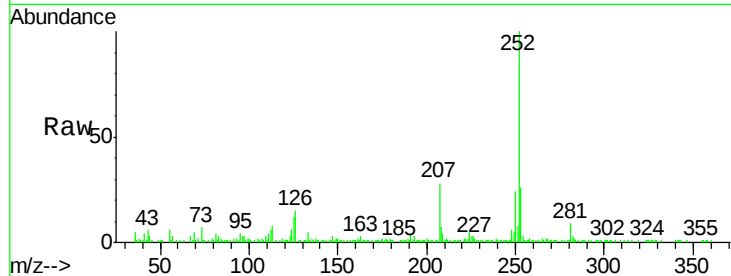
#88
Benzo(k)fluoranthene
Concen: 4.47 ng m
RT: 16.42 min Scan# 1333
Delta R.T. -0.50 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Instrument :
BNA_F
ClientSampled :
SB-17D

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.4	26.2
125	12.4	7.1	10.7

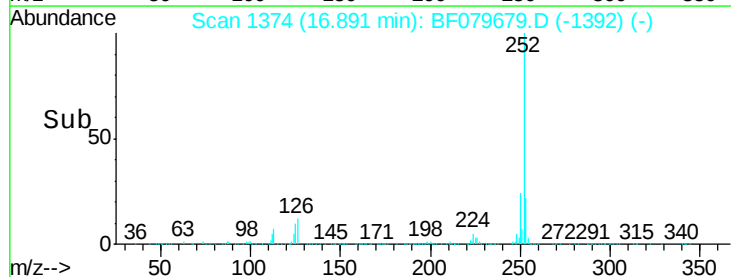
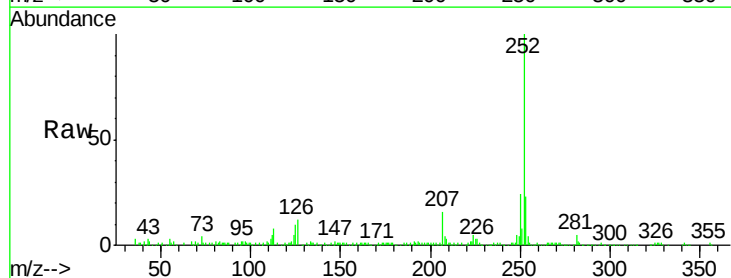
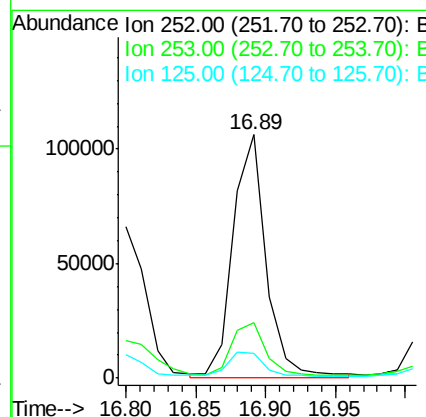
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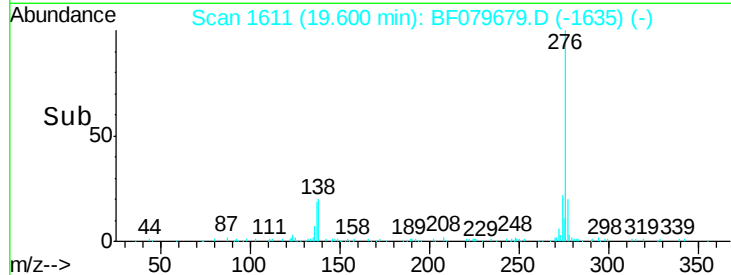
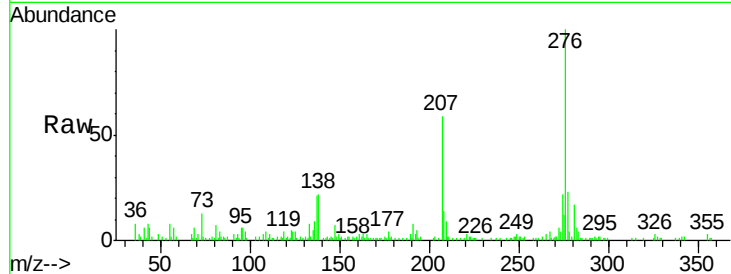
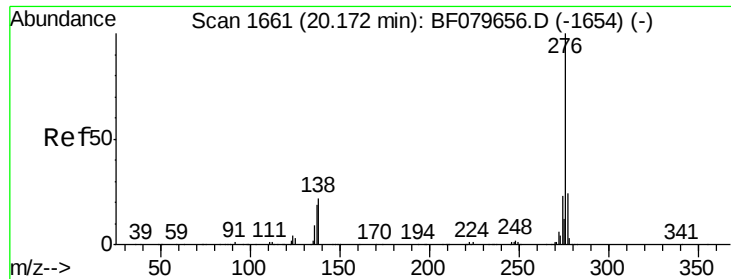
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#89
Benzo(a)pyrene
Concen: 11.40 ng m
RT: 16.89 min Scan# 1374
Delta R.T. -0.50 min
Lab File: BF079679.D
Acq: 4 Jun 2015 1:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	10.3	9.4	14.0





#91
 Benzo(a,h,i)perylene
 Concen: 5.99 ng/ml
 RT: 19.60 min Scan# 1611
 Delta R.T. -0.57 min
 Lab File: BF079679.D
 Acq: 4 Jun 2015 1:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-17D

Tot Ion:	276	Resp:	92386
Ion Ratio	Lower	Upper	
276	100		
277	23.1	19.1	28.7
138	21.6	17.4	26.0

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