

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
 Data File : BF079763.D
 Acq On : 6 Jun 2015 8:51
 Operator : TP/IZ
 Sample : G2464-12 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16AS

Manual Integrations
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Quant Time: Jun 08 16:55:23 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	53636	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	224095	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	123496	20.00	ng	0.00
63) Phenanthrene-d10	12.08	188	254750	20.00	ng	0.01
75) Chrysene-d12	15.07	240	262818	20.00	ng	0.14
86) Perylene-d12	17.05	264	257052	20.00	ng	0.23
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	174221	54.44	ng	0.00
7) Phenol-d6	7.08	99	248208	60.05	ng	0.00
23) Nitrobenzene-d5	8.04	82	125539	34.39	ng	0.00
41) 2,4,6-Tribromophenol	11.36	330	64234	54.38	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	298289	32.72	ng	0.00
78) Terphenyl-d14	13.78	244	369683	32.22	ng	0.07
Target Compounds						
49) Dimethylphthalate	10.24	163	64456	6.78	ng	99
70) Phenanthrene	12.10	178	269894	18.10	ng	98
71) Anthracene	12.16	178	77514	5.27	ng	98
74) Fluoranthene	13.38	202	551931	33.80	ng	96
77) Pyrene	13.65	202	546786	33.94	ng	99
80) Benzo(a)anthracene	15.06	228	303972	18.89	ng	98
82) Chrysene	15.11	228	254296m	17.10	ng	
85) Indeno(1,2,3-cd)pyrene	19.05	276	164324	9.55	ng	97
87) Benzo(b)fluoranthene	16.47	252	373696m	23.40	ng	
88) Benzo(k)fluoranthene	16.50	252	122129m	7.97	ng	
89) Benzo(a)pyrene	16.96	252	277801	18.85	ng	# 93
90) Dibenzo(a,h)anthracene	19.07	278	41348	2.91	ng	# 89
91) Benzo(a,h,i)perylene	19.67	276	170588	11.60	ng	97

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

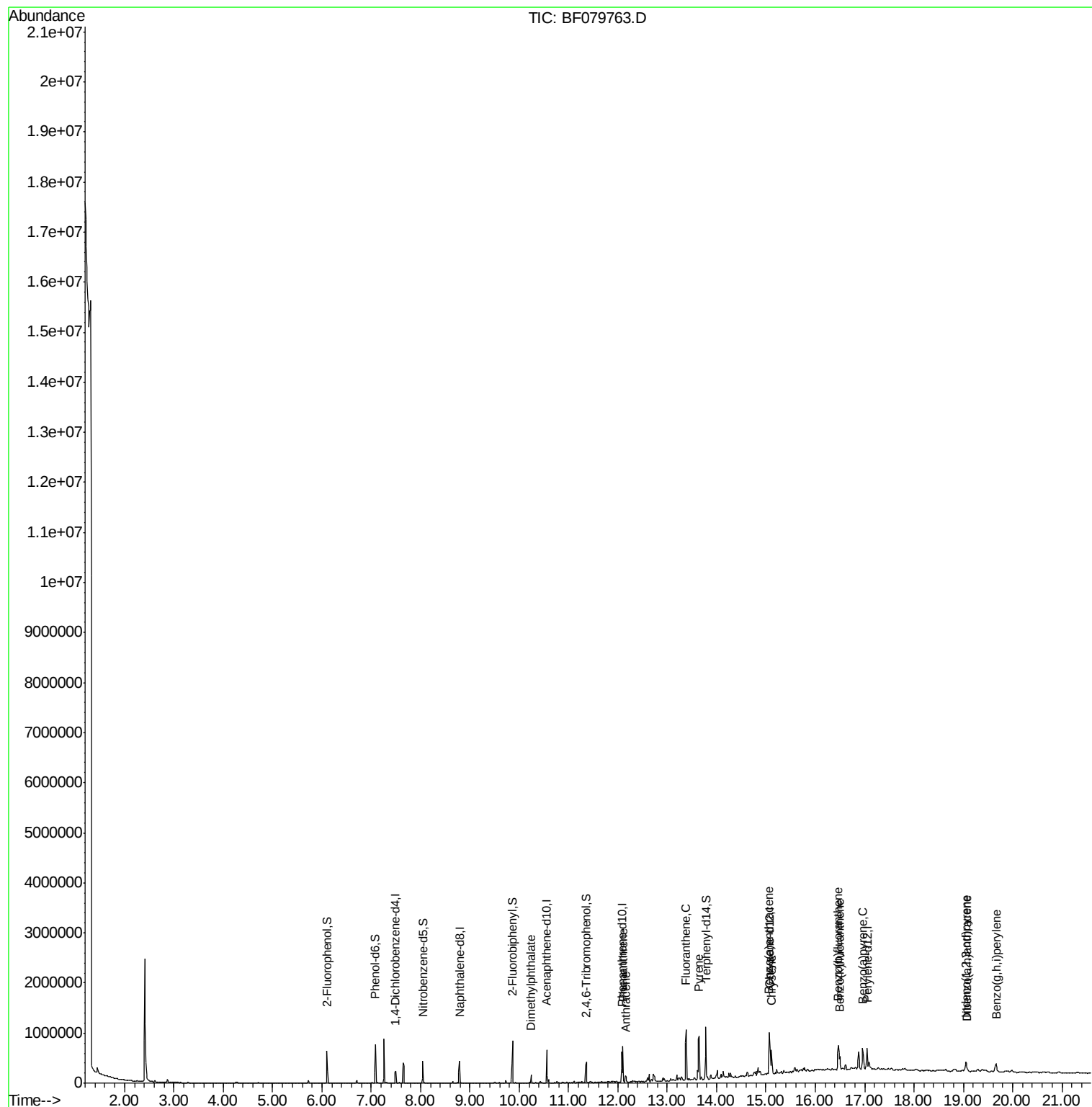
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
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Misc :
ALS Vial : 25 Sample Multiplier: 1

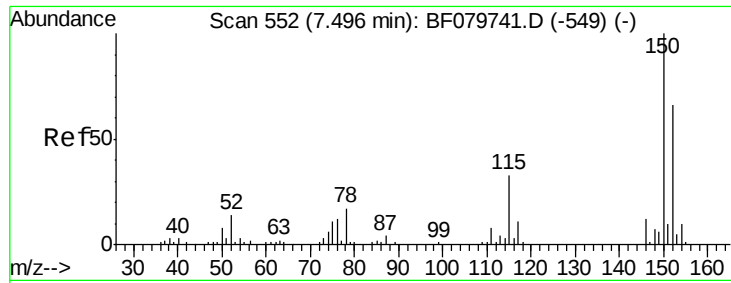
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

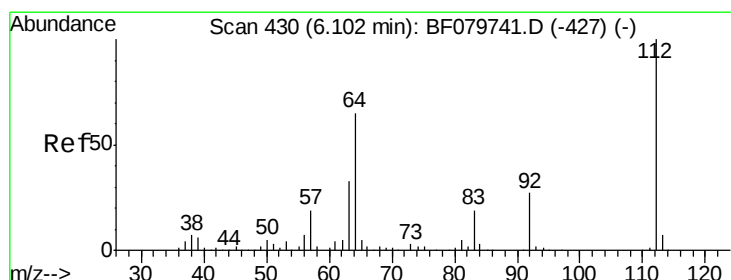
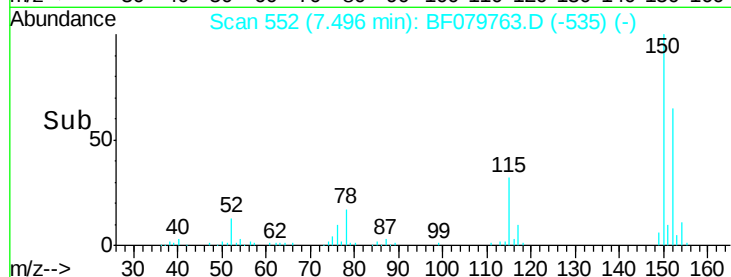
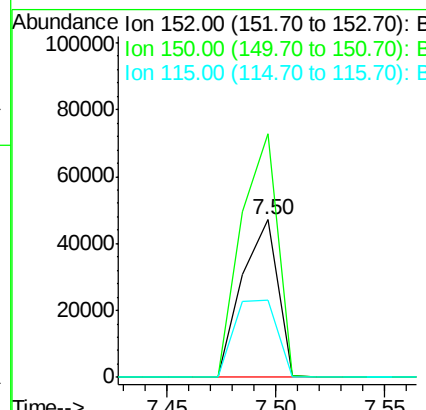
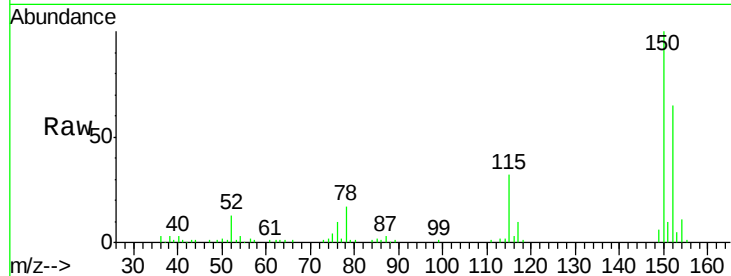
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.50 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	128.1	192.1
115	48.8	49.7	74.5

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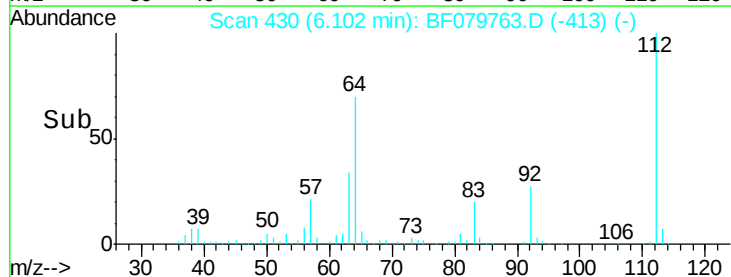
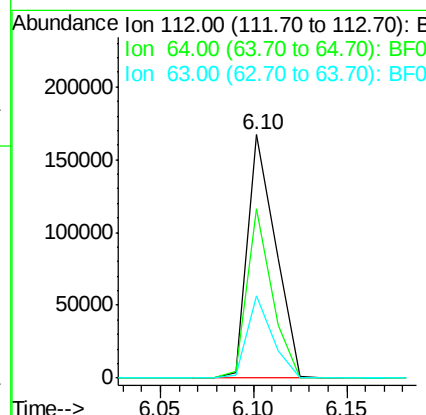
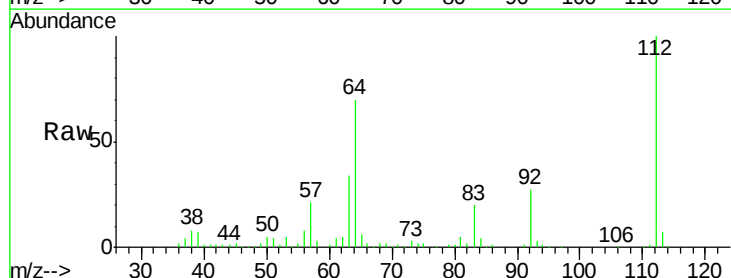
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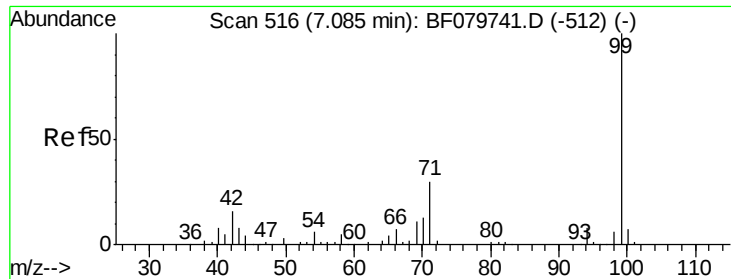


#5

2-Fluorophenol
Concen: 54.44 ng
RT: 6.10 min Scan# 430
Delta R.T. -0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	49.6	74.4
63	34.0	24.9	37.3





#7

Phenol-d6

Concen: 60.05 ng

RT: 7.08 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

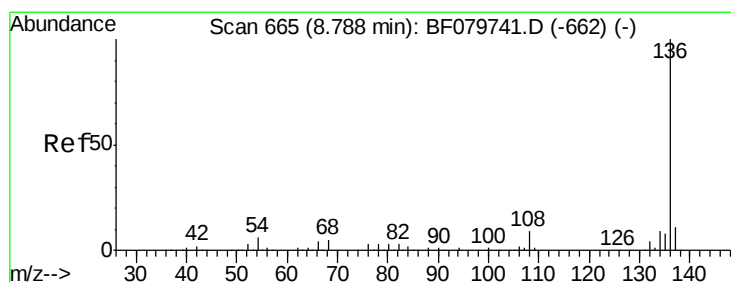
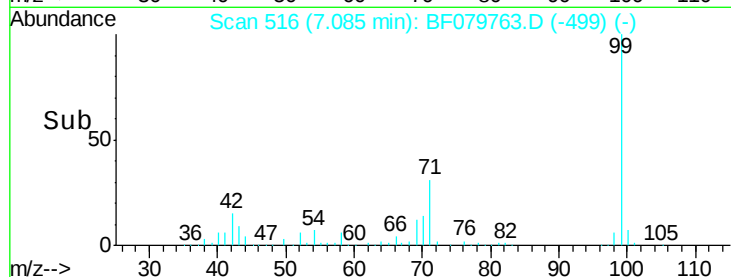
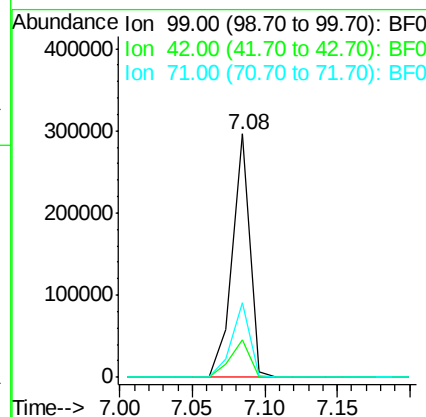
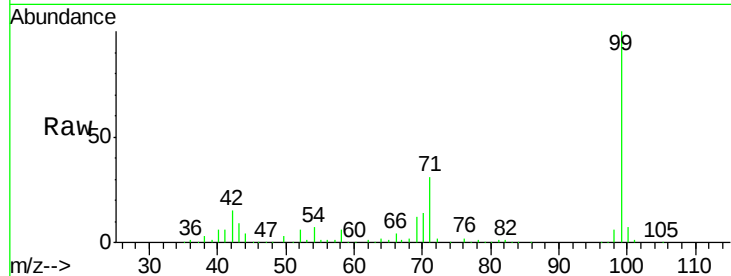
ClientSampleId :

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Tot Ion:	99	Resp:	248208
Ion Ratio	Lower	Upper	
99	100		
42	15.4	18.0	27.0#
71	30.6	28.4	42.6

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#21

Naphthalene-d8

Concen: 20.00 ng

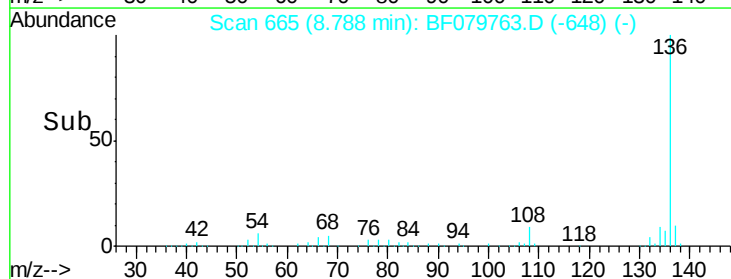
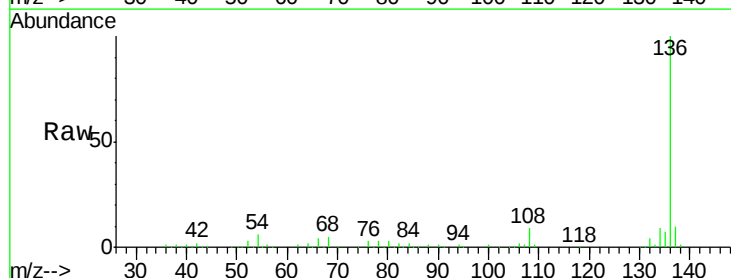
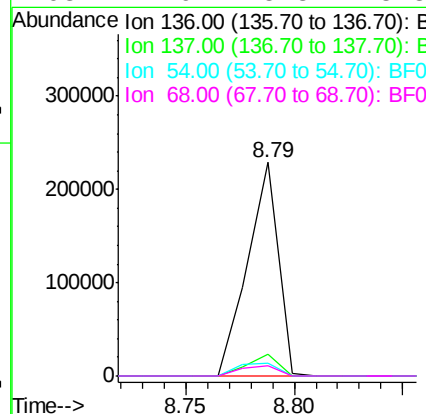
RT: 8.79 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF079763.D

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Tgt Ion:	136	Resp:	224095
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.8	13.2
54	6.0	8.7	13.1#
68	4.9	5.8	8.8#





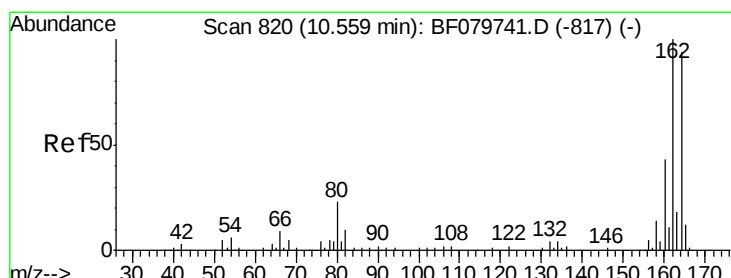
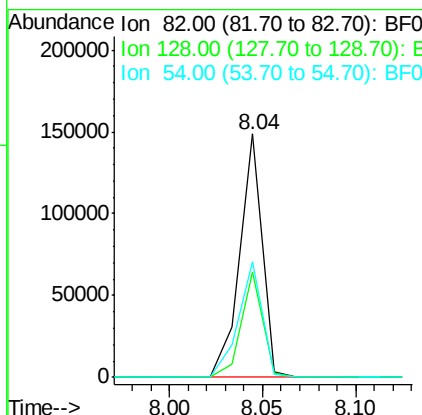
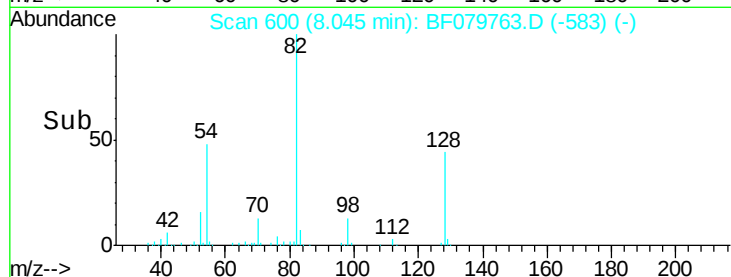
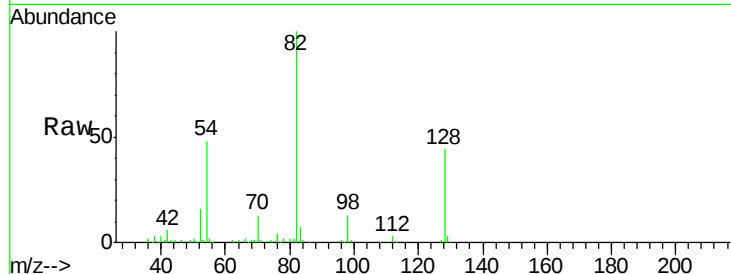
#23
Nitrobenzene-d5
Concen: 34.39 ng
RT: 8.04 min Scan# 600
Delta R.T. -0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Instrument :
BNA_F
ClientSampleId :
SB-16AS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	125539		
128	43.5		37.6	56.4
54	47.7		39.4	59.2

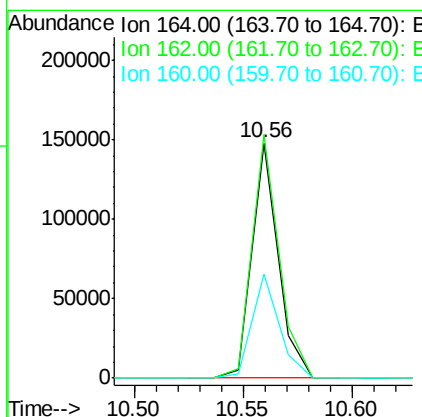
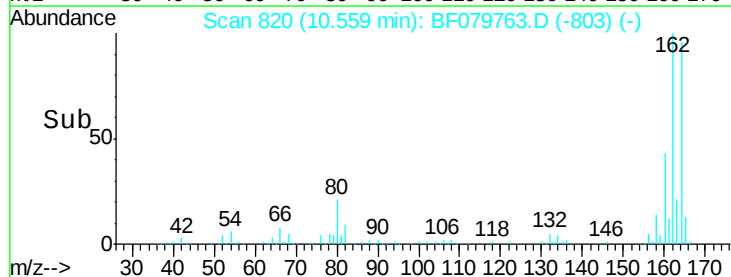
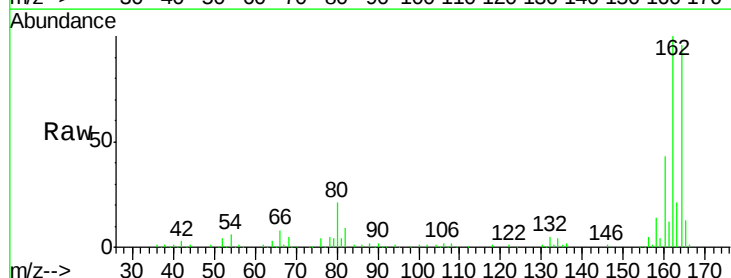
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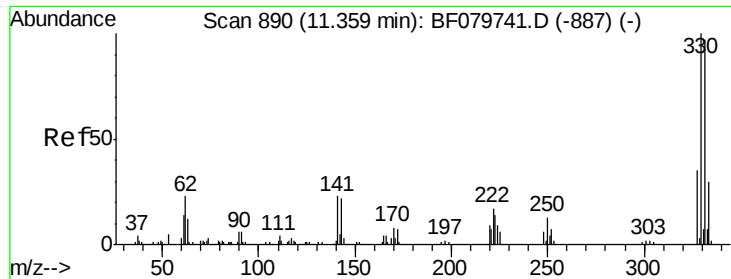
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.56 min Scan# 820
Delta R.T. -0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	123496		
162	103.7		82.6	123.8
160	44.1		36.8	55.2





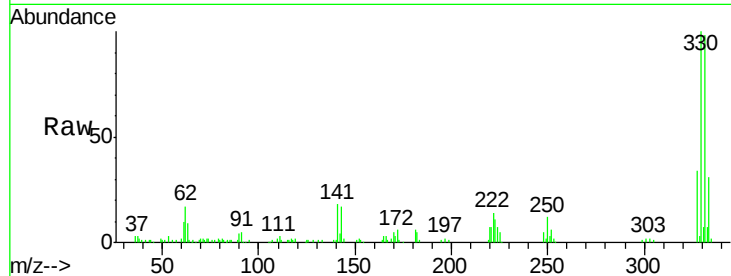
#41
 2,4,6-Tribromophenol
 Concen: 54.38 ng
 RT: 11.36 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: BF079763.D
 Acq: 6 Jun 2015 8:51

Instrument :
 BNA_F
 ClientSampleId :
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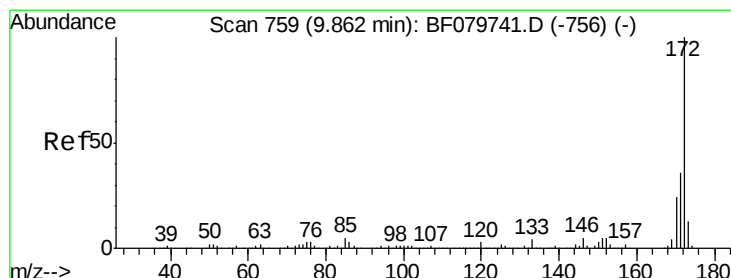
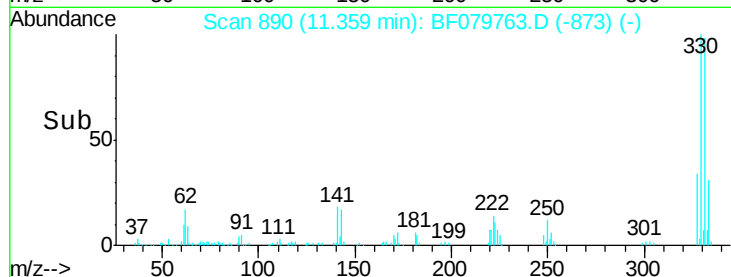
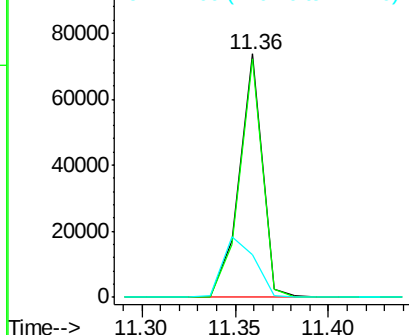
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.0
141	34.4	30.2	45.2

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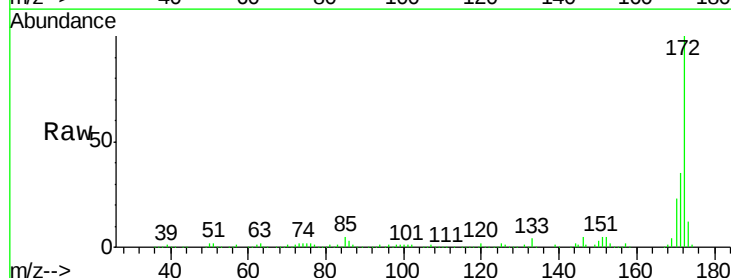


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

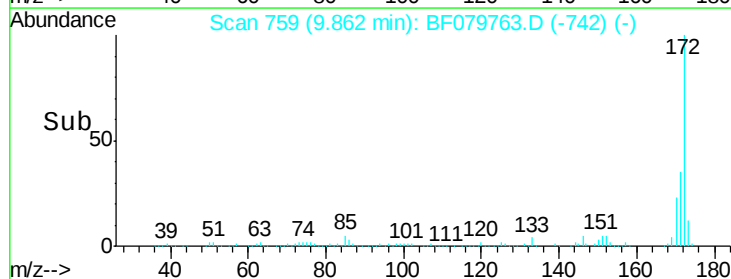
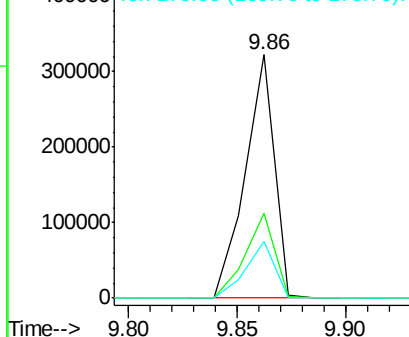


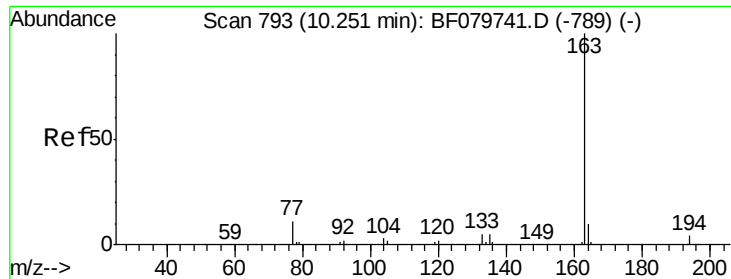
#44
 2-Fluorobiphenyl
 Concen: 32.72 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BF079763.D
 Acq: 6 Jun 2015 8:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.4	44.0
170	23.4	19.7	29.5



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





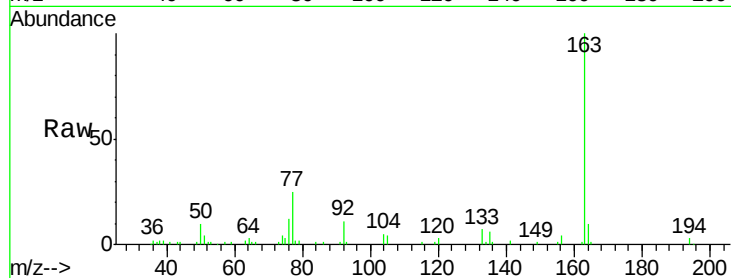
#49
Dimethylphthalate
Concen: 6.78 ng
RT: 10.24 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Instrument :
BNA_F
ClientSampleId :
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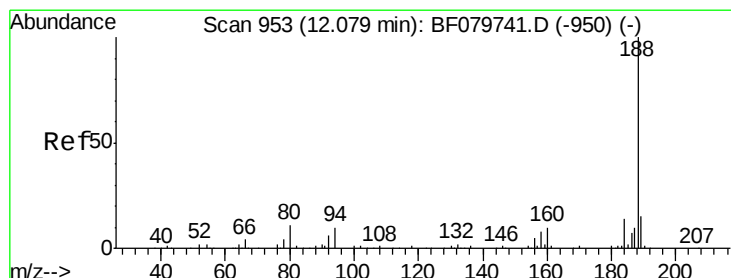
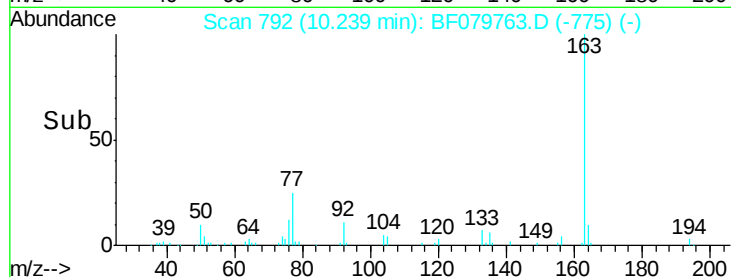
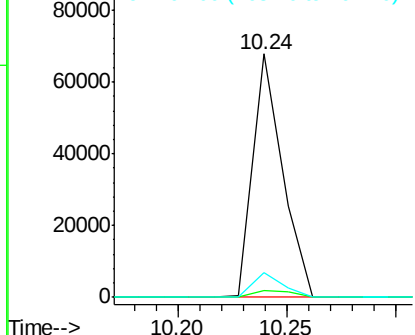
Tot Ion	Ratio	Resp	Lower	Upper
163	100	64456		
194	2.9		2.6	3.8
164	10.3		8.5	12.7

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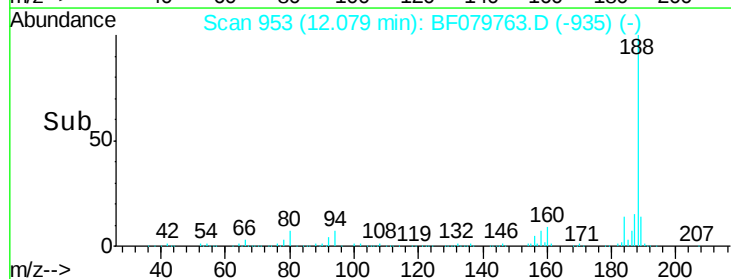
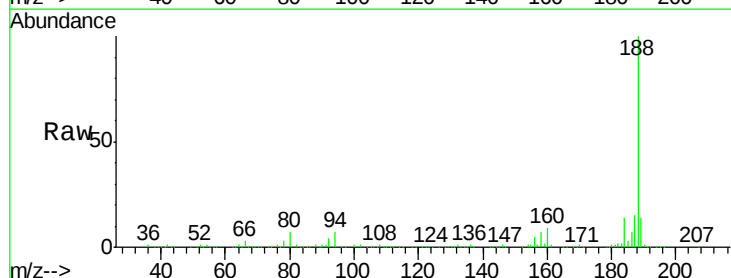
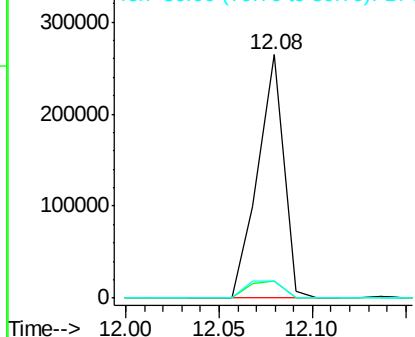
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

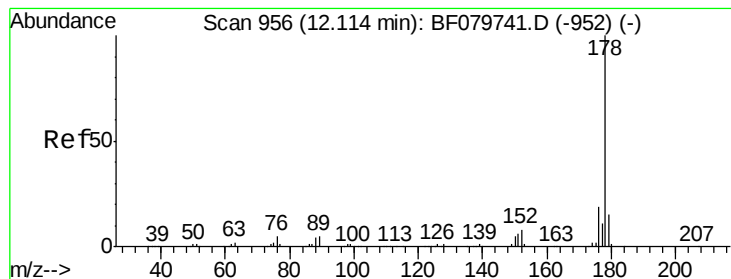


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.08 min Scan# 953
Delta R.T. 0.01 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	254750		
94	6.9		5.0	7.4
80	7.1		5.3	7.9

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: 18.10 ng

RT: 12.10 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

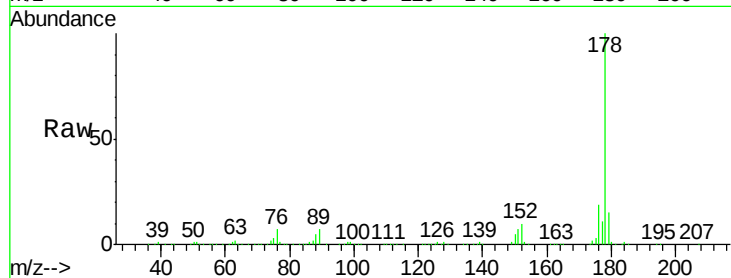
ClientSampleId :

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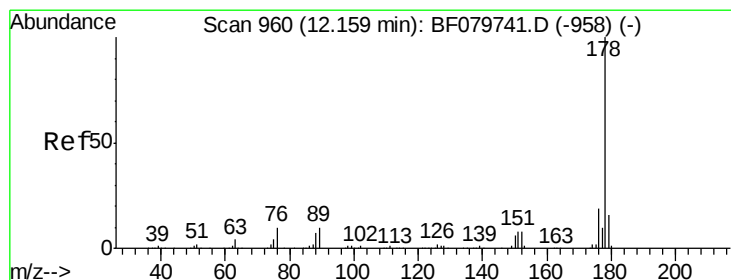
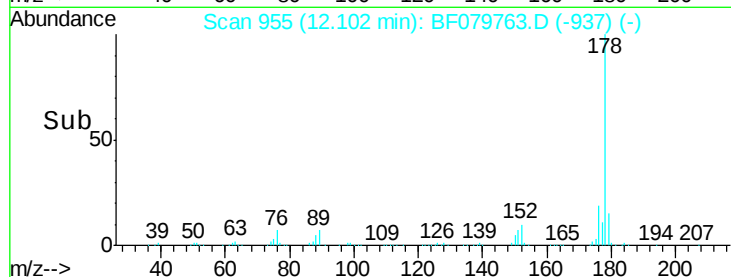
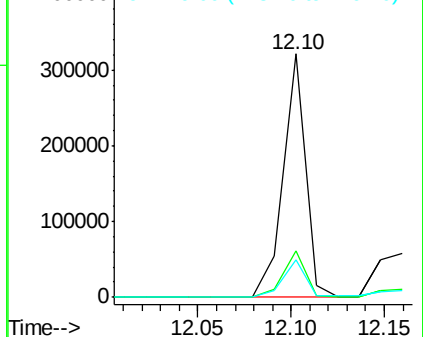
Tot Ion:	178	Resp:	269894
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.2	24.4
179	15.2	12.6	19.0

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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



#71

Anthracene

Concen: 5.27 ng

RT: 12.16 min Scan# 960

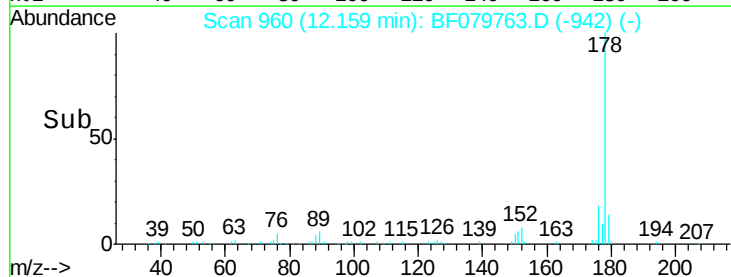
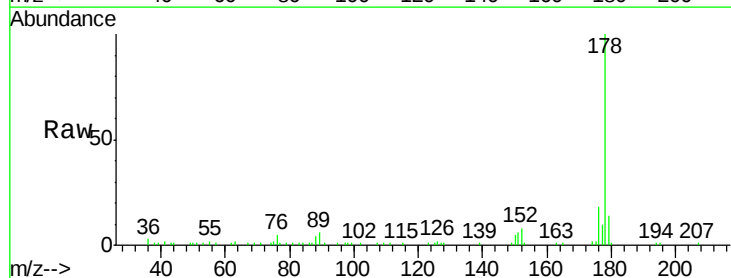
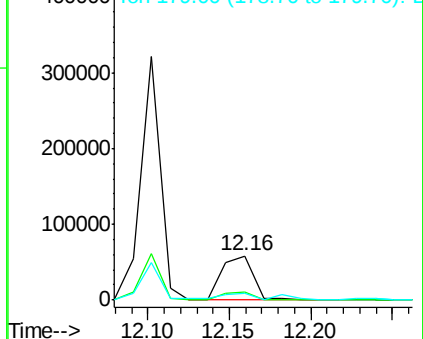
Delta R.T. 0.01 min

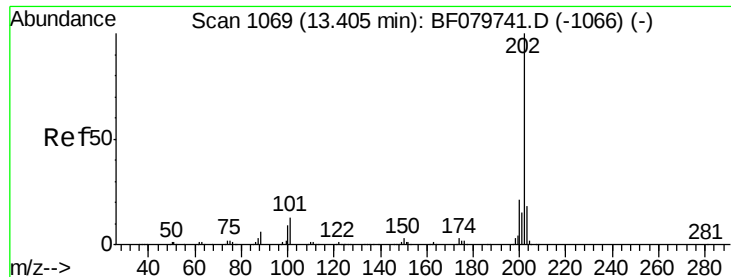
Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Tgt Ion:	178	Resp:	77514
Ion Ratio	Lower	Upper	
178	100		
176	17.6	14.8	22.2
179	14.3	12.2	18.2

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: 33.80 ng

RT: 13.38 min Scan# 1067

Delta R.T. 0.06 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

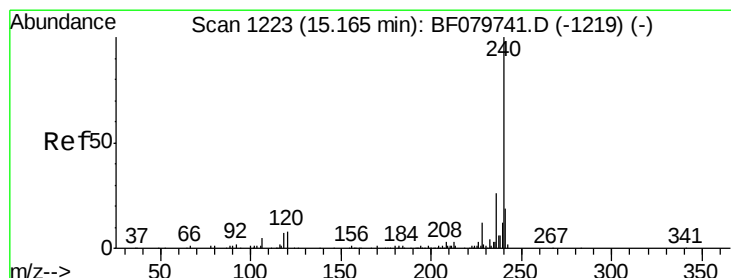
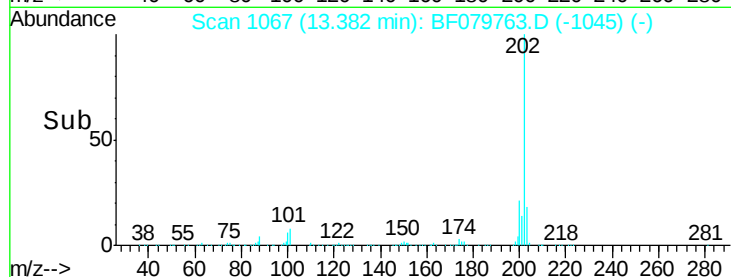
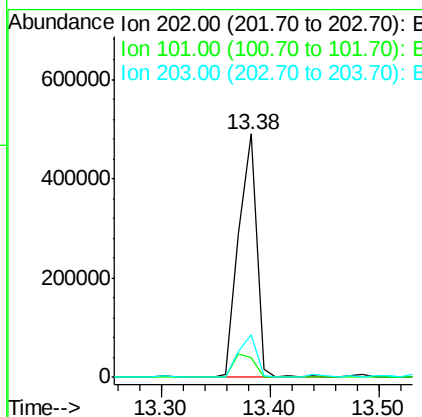
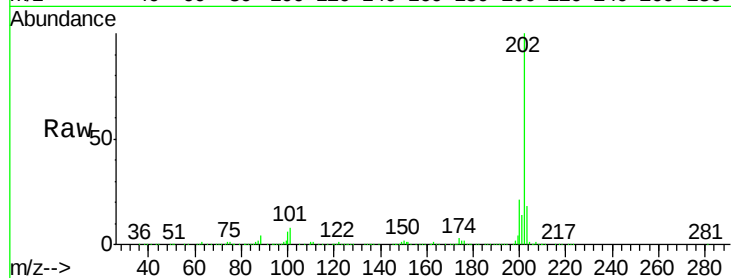
ClientSampleId :

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Tot Ion:	202	Resp:	551931
Ion Ratio		Lower	Upper
202	100		
101	8.0	0.0	31.3
203	17.7	0.0	38.4

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#75

Chrysene-d12

Concen: 20.00 ng

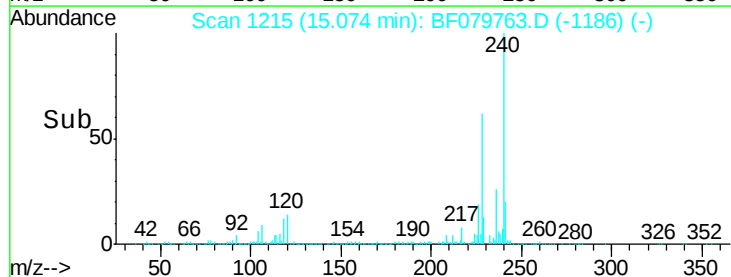
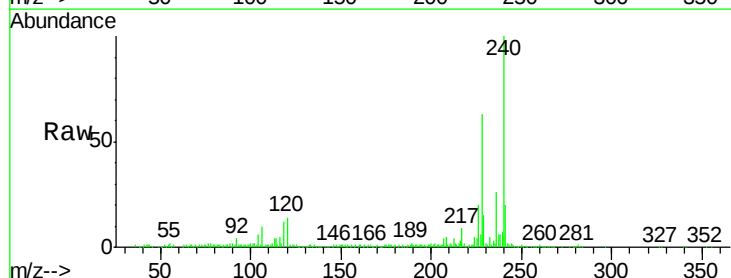
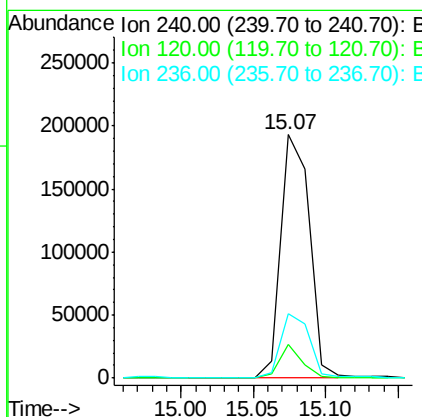
RT: 15.07 min Scan# 1215

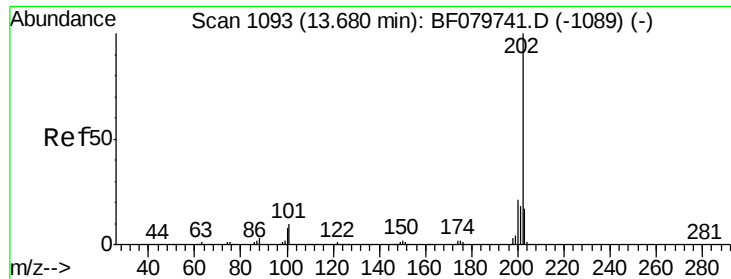
Delta R.T. 0.14 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Tgt Ion:	240	Resp:	262818
Ion Ratio		Lower	Upper
240	100		
120	13.9	6.2	9.2#
236	26.3	21.0	31.4





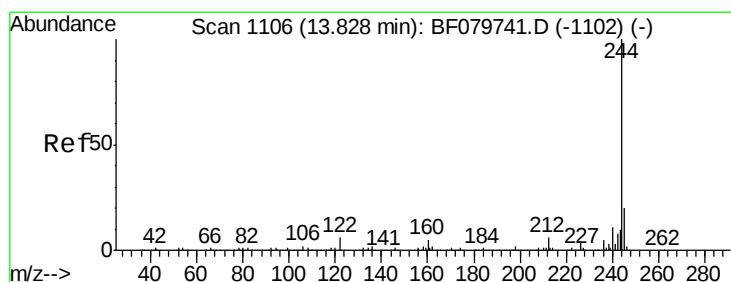
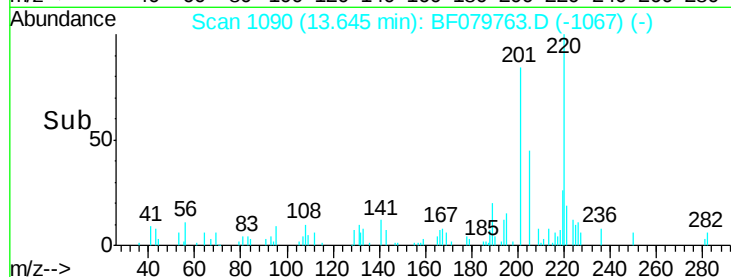
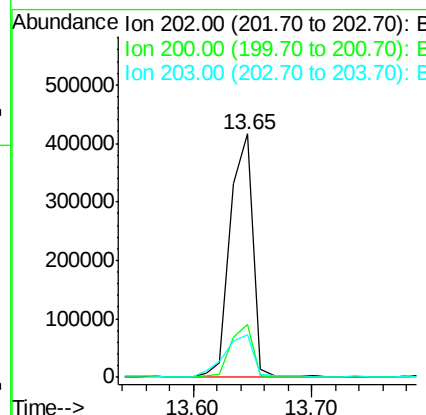
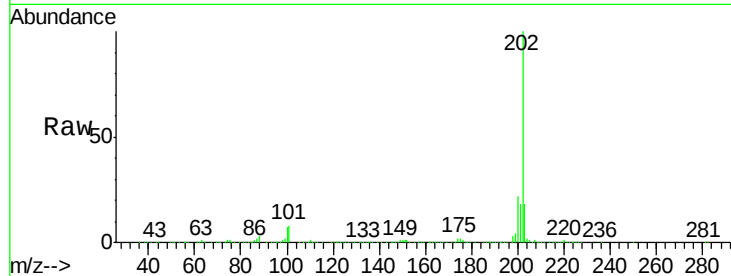
#77
Pvrene
Concen: 33.94 ng
RT: 13.65 min Scan# 1090
Delta R.T. 0.07 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Instrument :
BNA_F
ClientSampled :
SB-16AS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.5	26.3
203	17.8	14.8	22.2

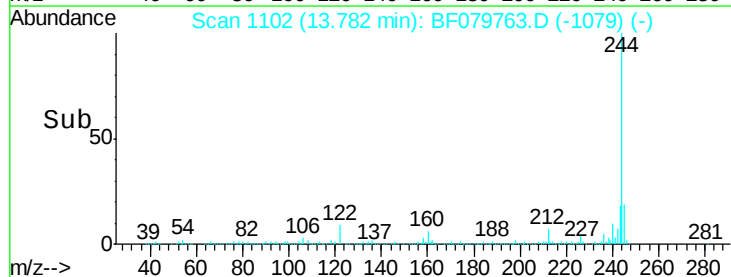
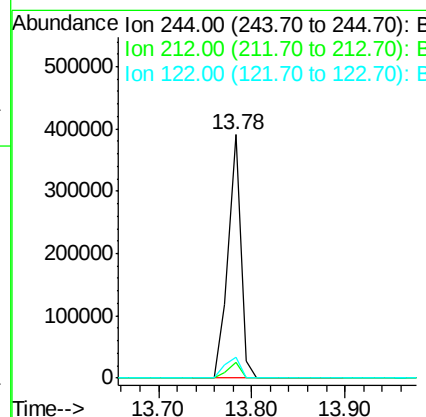
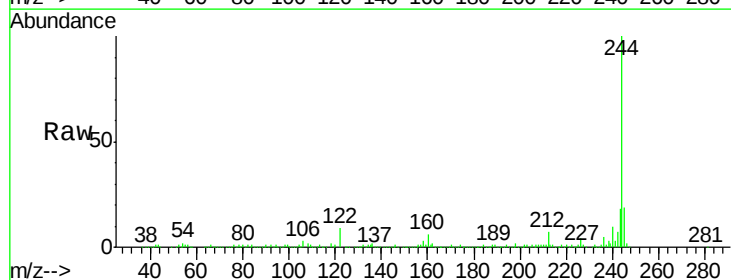
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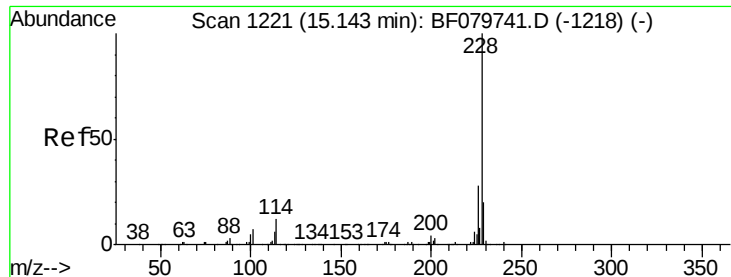
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#78
Terphenyl-d14
Concen: 32.22 ng
RT: 13.78 min Scan# 1102
Delta R.T. 0.07 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	6.1	9.1
122	8.7	9.3	13.9#





#80

Benzo(a)anthracene

Concen: 18.89 ng

RT: 15.06 min Scan# 1214

Delta R.T. 0.15 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Instrument :

BNA_F

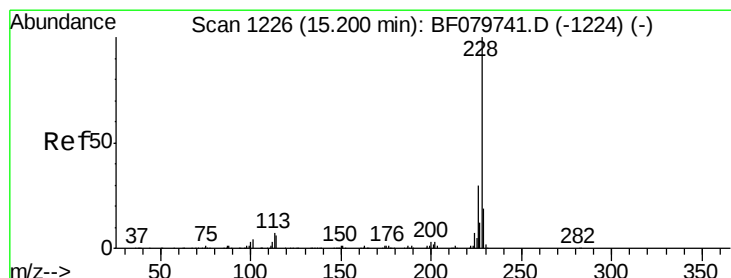
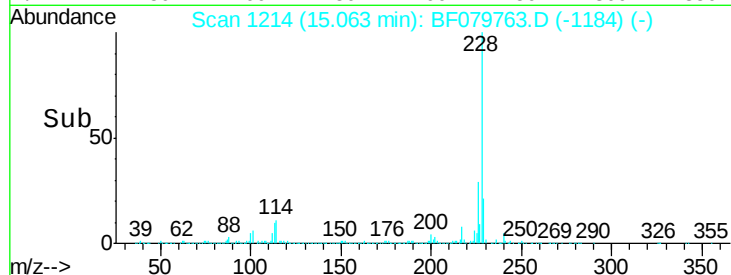
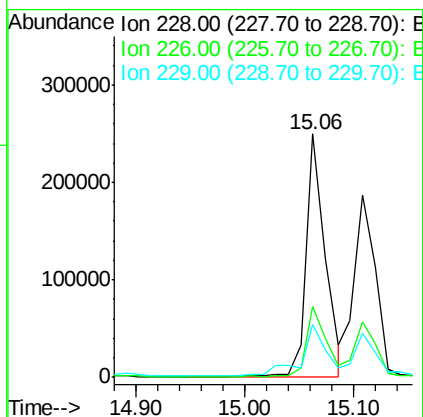
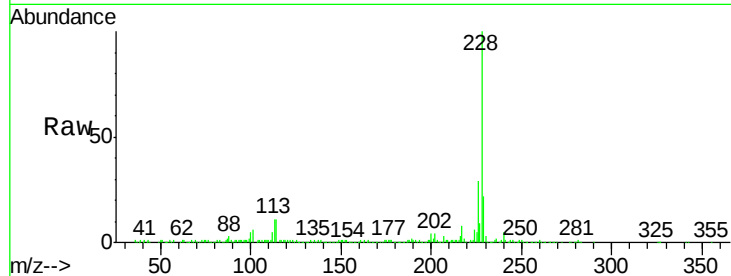
ClientSampleId :

SB-16AS

Tot Ion:	228	Resp:	303972
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.2	33.4
229	21.7	16.6	25.0

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#82

Chrysene

Concen: 17.10 ng m

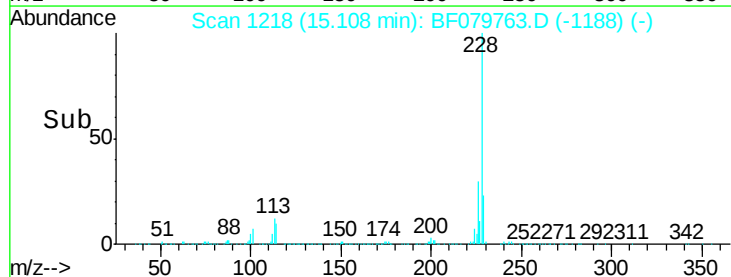
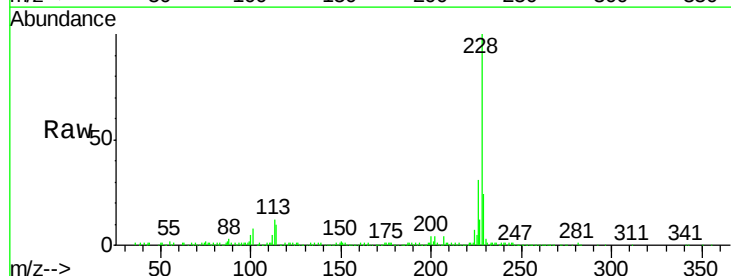
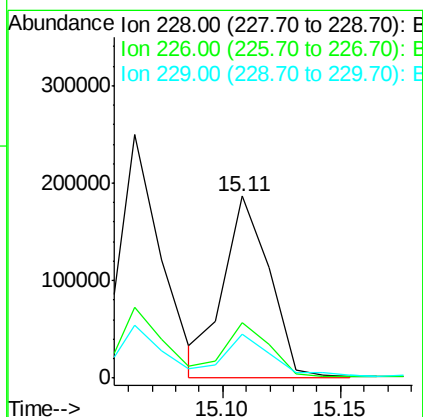
RT: 15.11 min Scan# 1218

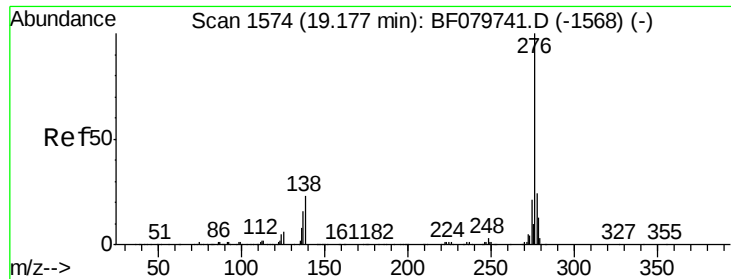
Delta R.T. 0.15 min

Lab File: BF079763.D

Acq: 6 Jun 2015 8:51

Tgt Ion:	228	Resp:	254296
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.2	37.8
229	24.4	16.2	24.4#





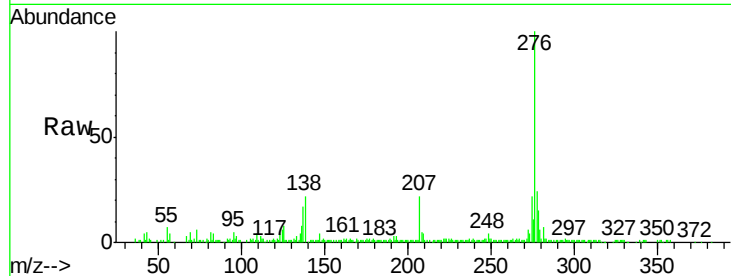
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.55 ng
RT: 19.05 min Scan# 1563
Delta R.T. 0.24 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Instrument :
BNA_F
ClientSampleId :
SB-16AS

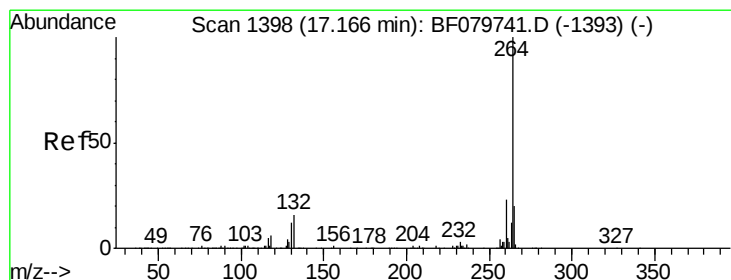
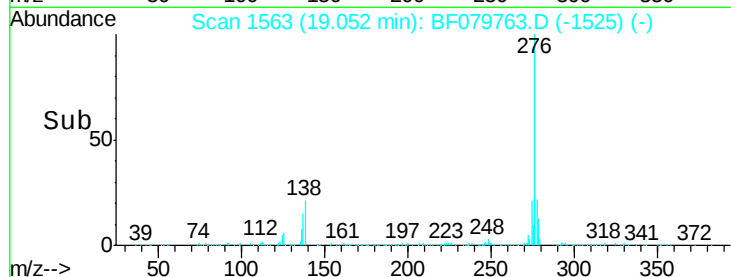
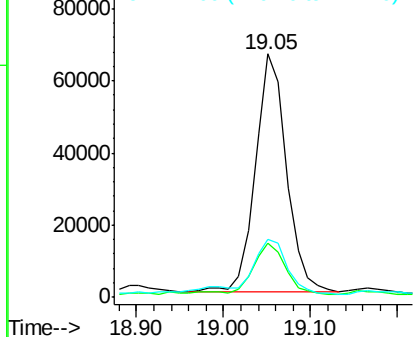
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	20.8	31.2
277	24.3	20.0	30.0

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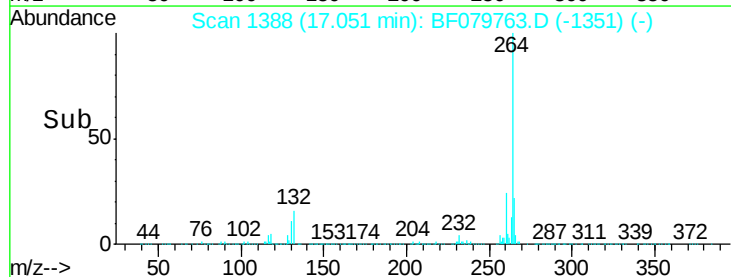
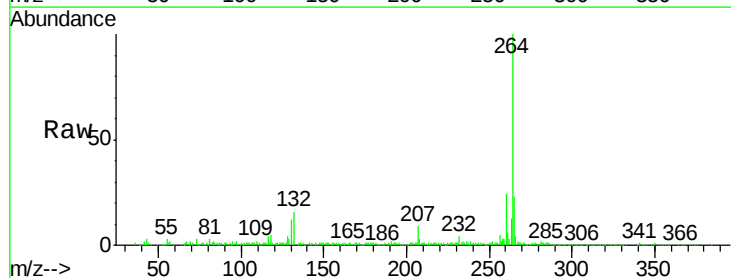
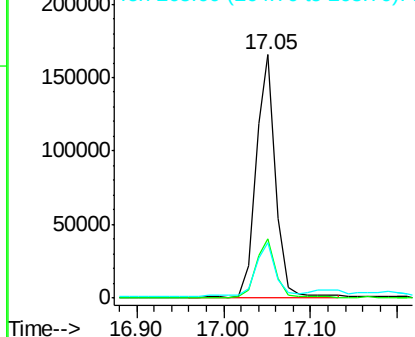
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

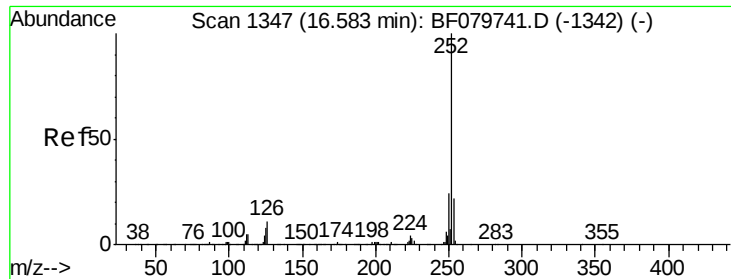


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.05 min Scan# 1388
Delta R.T. 0.23 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	23.0	18.2	27.4

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





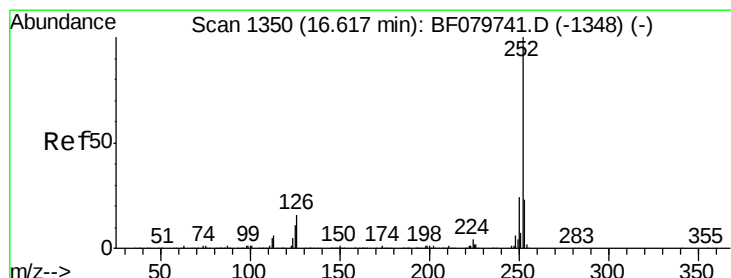
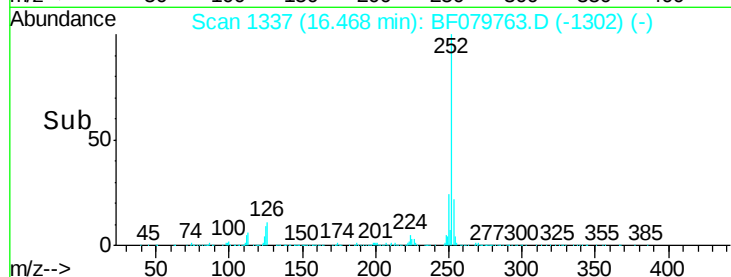
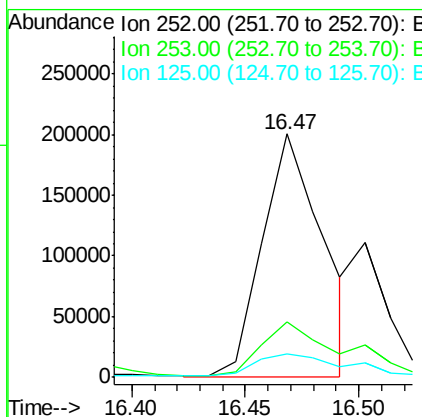
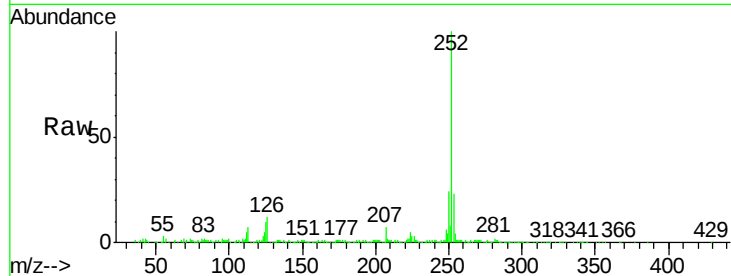
#87
Benzo(b)fluoranthene
Concen: 23.40 ng m
RT: 16.47 min Scan# 1337
Delta R.T. 0.21 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Instrument :
BNA_F
ClientSampleId :
SB-16AS

Tot Ion	Ratio	Resp	Lower	Upper
252	100	373696		
253	22.6		17.4	26.2
125	9.8		6.5	9.7#

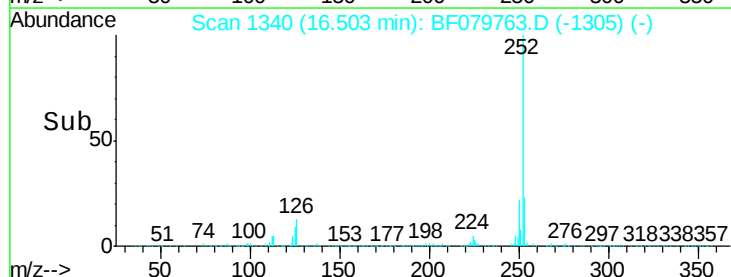
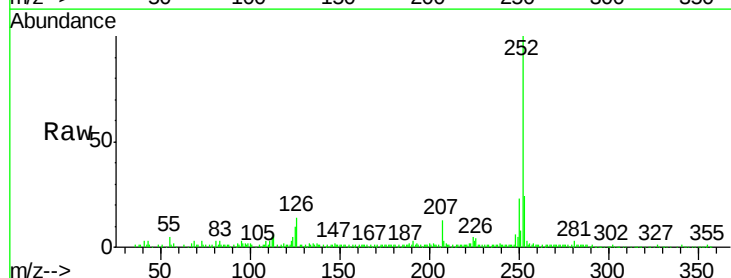
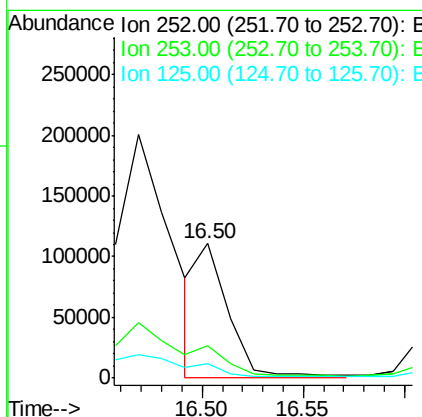
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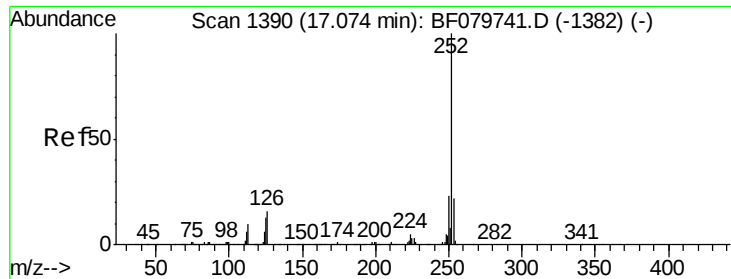
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#88
Benzo(k)fluoranthene
Concen: 7.97 ng m
RT: 16.50 min Scan# 1340
Delta R.T. 0.21 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	122129		
253	23.8		17.8	26.8
125	10.5		8.4	12.6





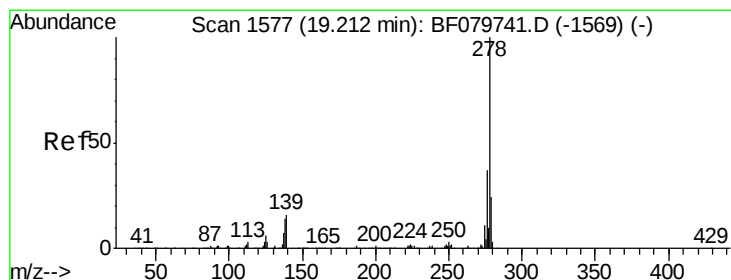
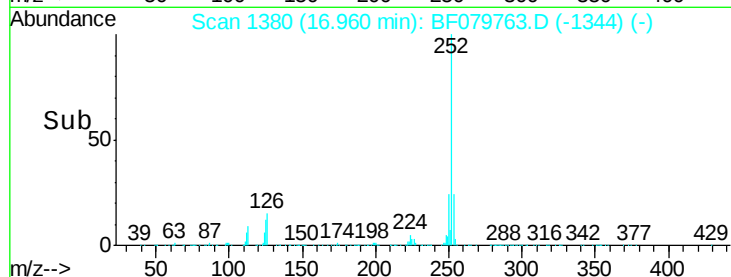
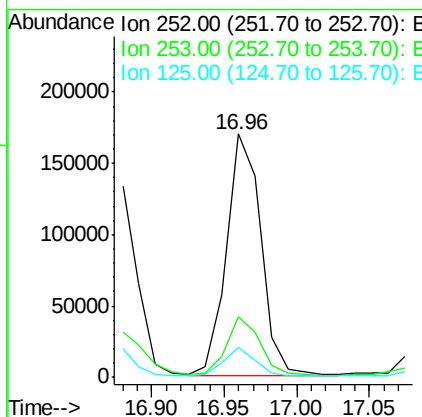
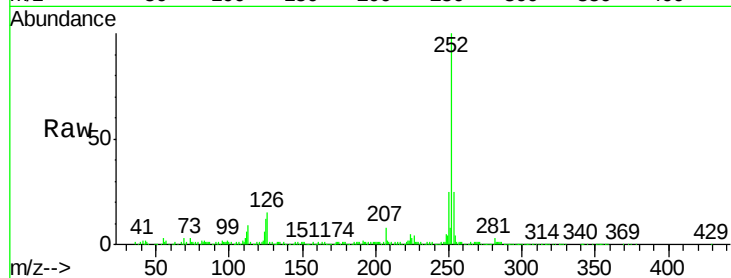
#89
Benzo(a)pyrene
Concen: 18.85 ng
RT: 16.96 min Scan# 1380
Delta R.T. 0.22 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Instrument :
BNA_F
ClientSampleId :
SB-16AS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.8	17.6	26.4
125	12.3	7.4	11.0

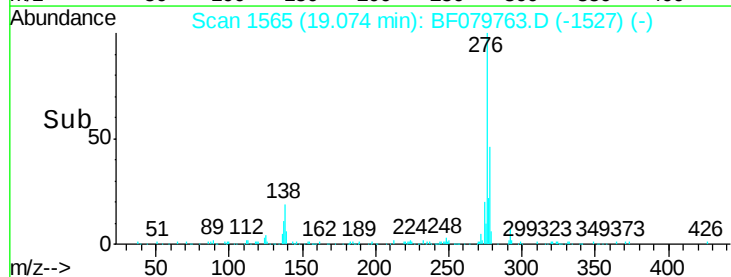
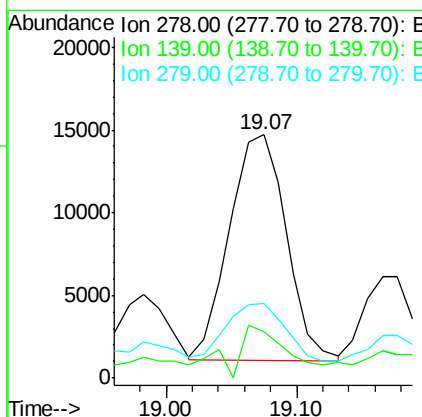
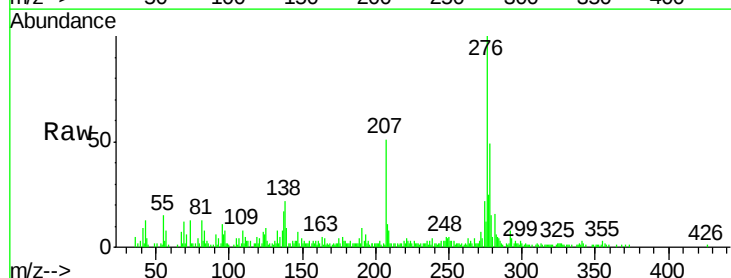
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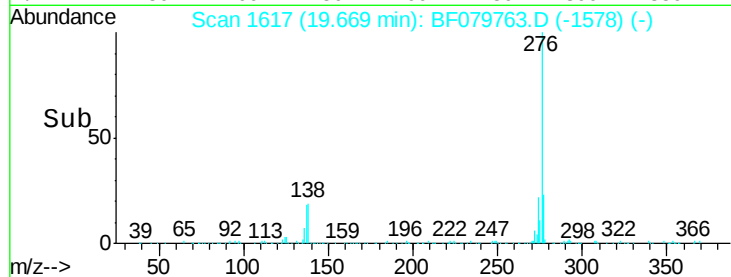
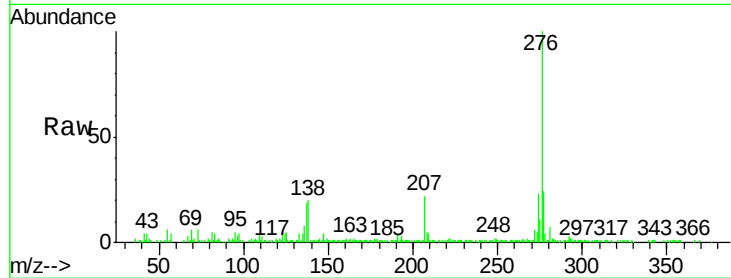
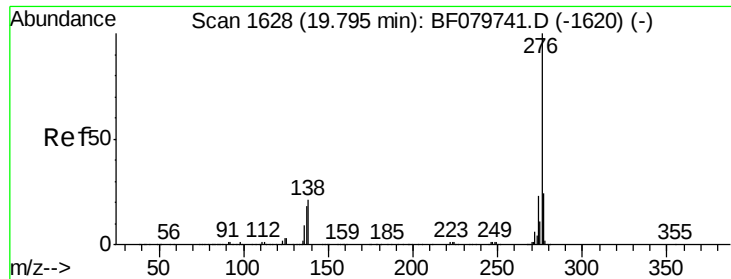
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#90
Dibenzo(a,h)anthracene
Concen: 2.91 ng
RT: 19.07 min Scan# 1565
Delta R.T. 0.24 min
Lab File: BF079763.D
Acq: 6 Jun 2015 8:51

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	19.0	12.7	19.1
279	30.7	19.4	29.2





#91
 Benzo(a,h,i)perylene
 Concen: 11.60 ng
 RT: 19.67 min Scan# 1617
 Delta R.T. 0.25 min
 Lab File: BF079763.D
 Acq: 6 Jun 2015 8:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-16AS

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	20.3	18.2	27.2

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