

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
 Data File : BF078435.D
 Acq On : 11 Apr 2015 10:49
 Operator : TP/IZ
 Sample : G1793-06DL2 100X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4DDL2

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Quant Time: Apr 13 03:59:30 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 02:33:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	28278	20.00	ng	0.01
21) Naphthalene-d8	8.44	136	127451	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	68344	20.00	ng	0.00
63) Phenanthrene-d10	12.42	188	138085	20.00	ng	0.00
75) Chrysene-d12	15.68	240	156124	20.00	ng	0.00
86) Perylene-d12	17.38	264	151067	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	252	0.15	ng	0.03
7) Phenol-d6	6.48	99	618	0.29	ng	0.02
23) Nitrobenzene-d5	7.57	82	221	0.11	ng	0.01
41) 2,4,6-Tribromophenol	11.57	330	206	0.36	ng	0.01
44) 2-Fluorobiphenyl	9.78	172	1913	0.40	ng	0.00
78) Terphenyl-d14	14.41	244	2572	0.37	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.46	128	306908	46.27	ng	99
37) 2-Methylnaphthalene	9.32	142	56707	12.59	ng	99
45) 1,1'-Biphenyl	9.90	154	20920	3.74	ng	98
48) Acenaphthylene	10.42	152	59410	8.36	ng	98
51) Acenaphthene	10.64	154	24325	6.08	ng	99
57) Fluorene	11.28	166	39934	8.07	ng	99
70) Phenanthrene	12.45	178	222641	27.87	ng	99
71) Anthracene	12.51	178	77863	9.89	ng	99
74) Fluoranthene	13.92	202	96550	11.46	ng	92
77) Pyrene	14.19	202	136888	13.97	ng	100
80) Benzo(a)anthracene	15.67	228	41641m	4.48	ng	
82) Chrysene	15.71	228	34460	3.95	ng	99
87) Benzo(b)fluoranthene	16.95	252	30519m	3.27	ng	
89) Benzo(a)pyrene	17.31	252	32259	3.96	ng	# 97

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

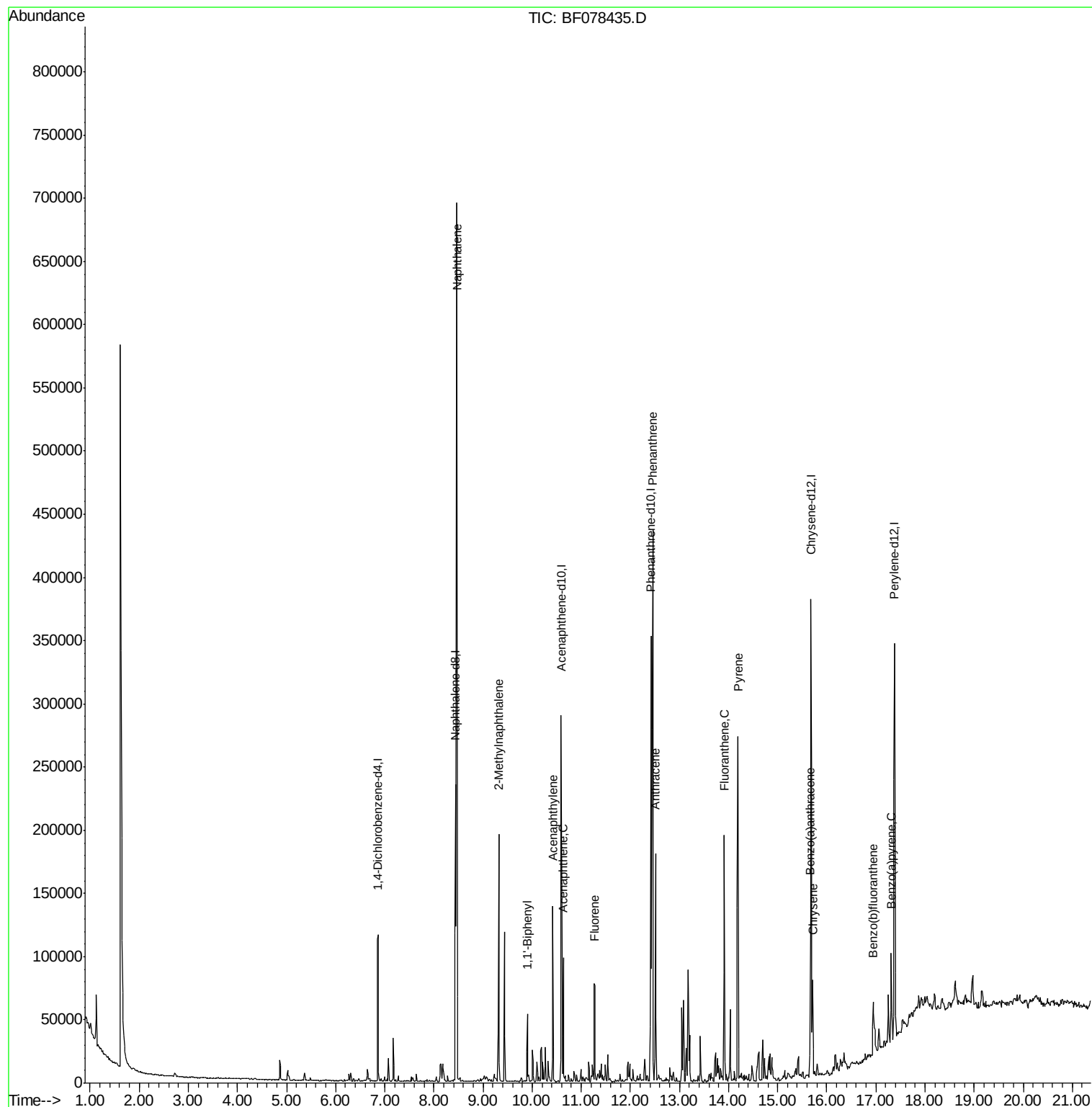
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
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Misc :
ALS Vial : 33 Sample Multiplier: 1

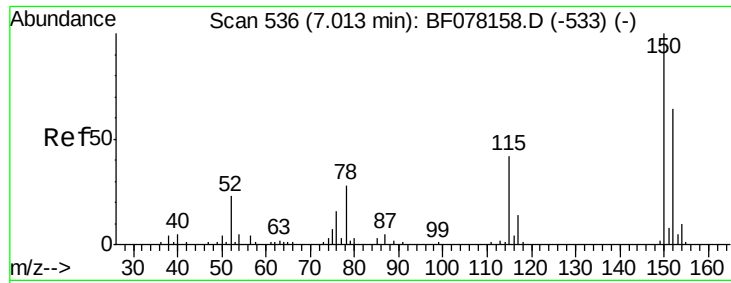
Instrument :
BNA_F
ClientSampleId :
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QLast Update : Mon Apr 13 02:33:18 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 523

Delta R.T. 0.01 min

Lab File: BF078435.D

Acq: 11 Apr 2015 10:49

Instrument :

BNA_F

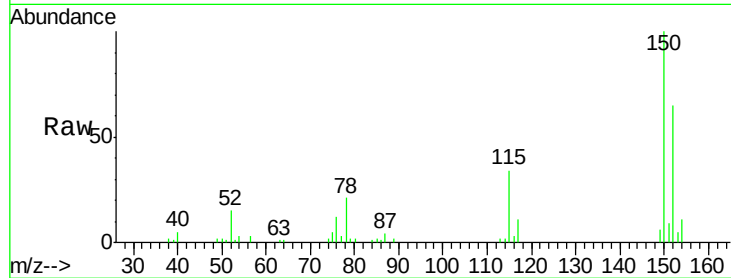
ClientSampleId :

SB-4DDL2

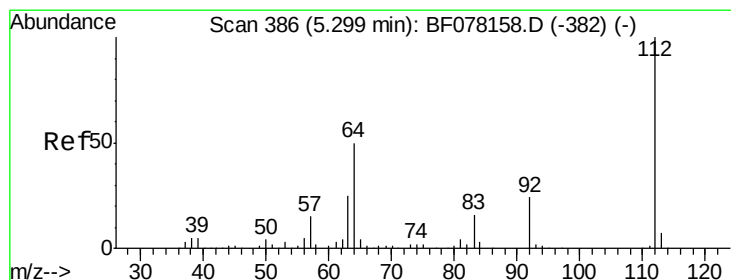
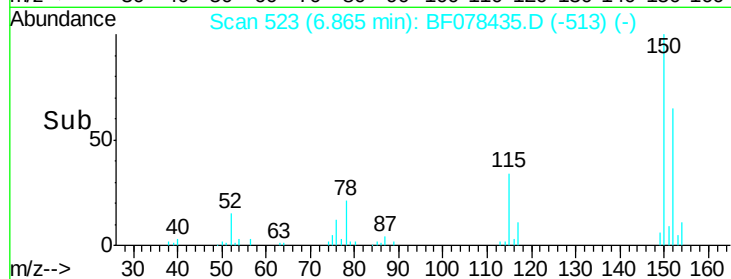
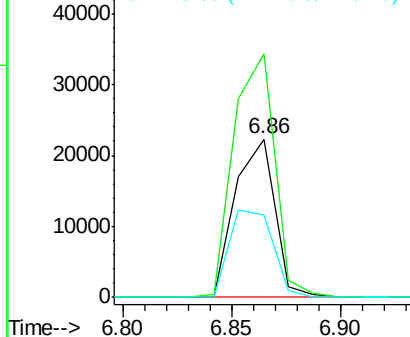
Tgt Ion:	152	Resp:	28278
Ion Ratio	Lower	Upper	
152	100		
150	153.7	125.9	188.9
115	52.3	52.7	79.1#

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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: 0.15 ng

RT: 5.14 min Scan# 372

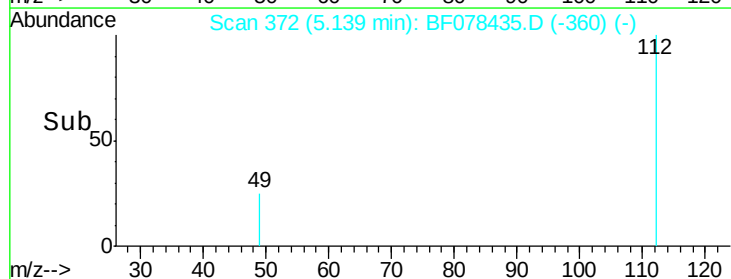
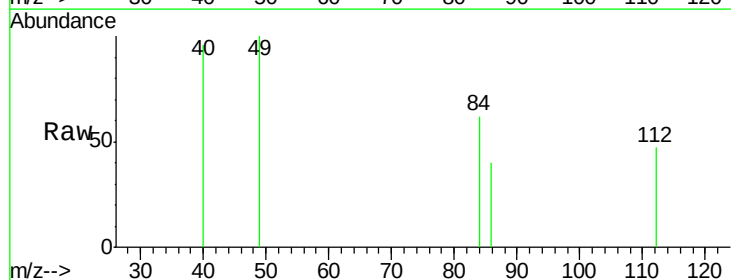
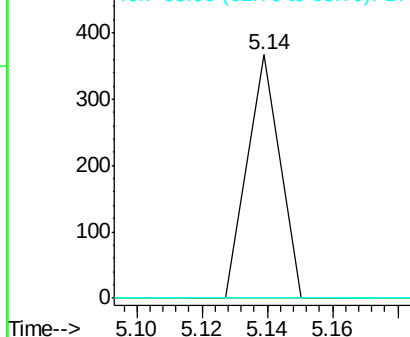
Delta R.T. 0.03 min

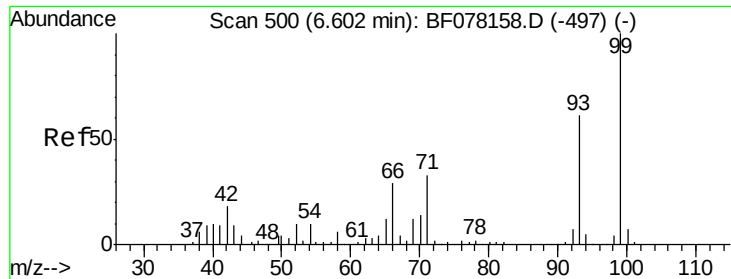
Lab File: BF078435.D

Acq: 11 Apr 2015 10:49

Tgt Ion:	112	Resp:	252
Ion Ratio	Lower	Upper	
112	100		
64	0.0	39.9	59.9#
63	0.0	20.2	30.4#

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: 0.29 ng

RT: 6.48 min Scan# 489

Delta R.T. 0.02 min

Lab File: BF078435.D

Acq: 11 Apr 2015 10:49

Instrument :

BNA_F

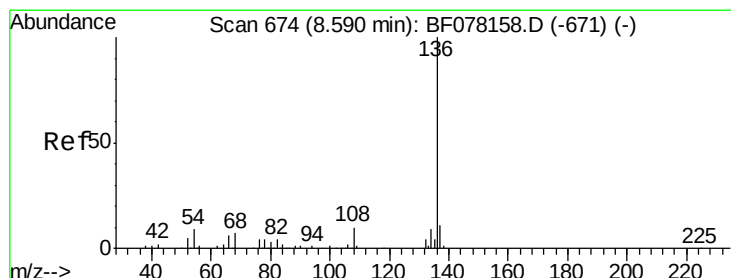
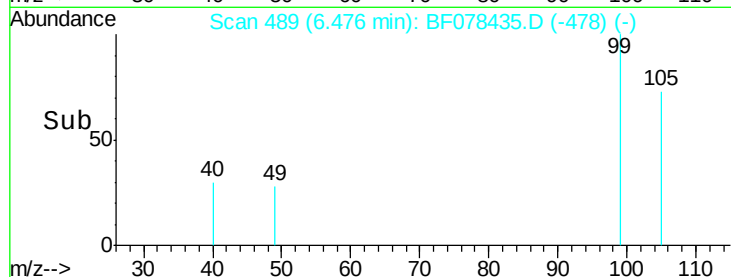
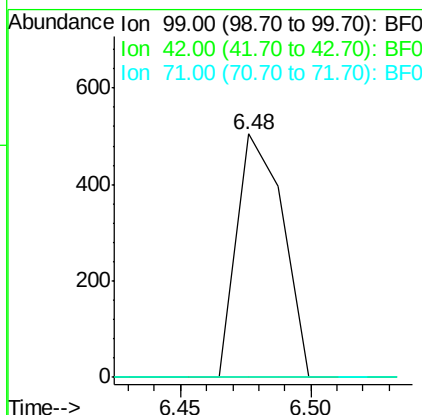
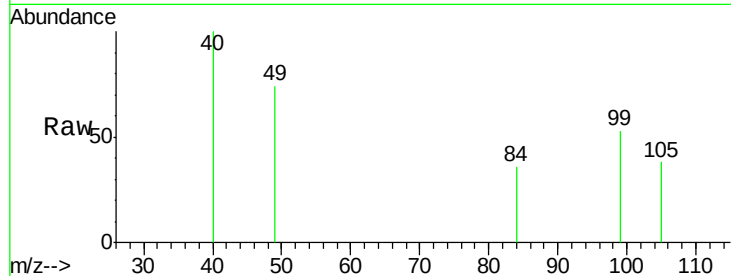
ClientSampleId :

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Tgt Ion:	99	Resp:	618
Ion Ratio	Lower	Upper	
99	100		
42	0.0	14.8	22.2#
71	0.0	26.6	39.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

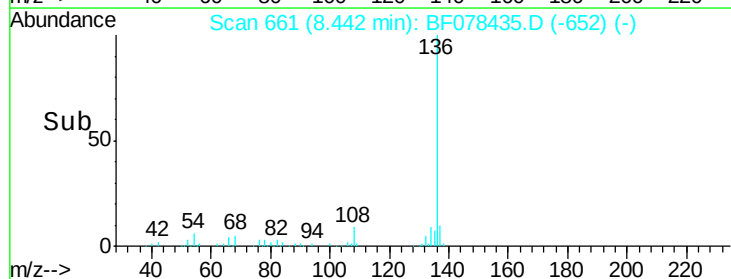
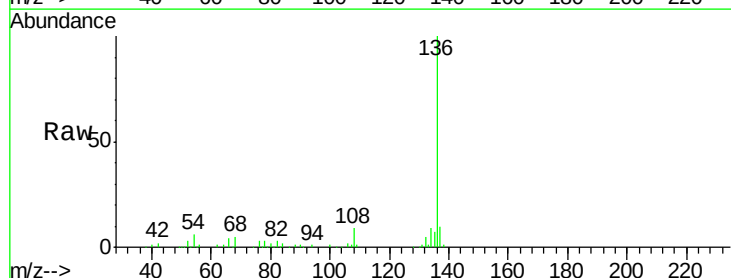
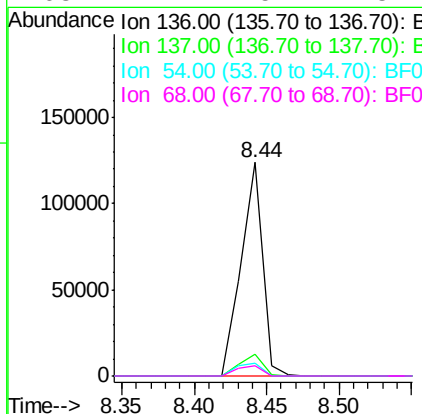
RT: 8.44 min Scan# 661

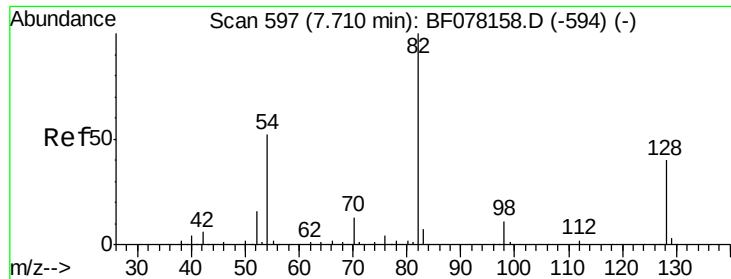
Delta R.T. 0.00 min

Lab File: BF078435.D

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Tgt Ion:	136	Resp:	127451
Ion Ratio	Lower	Upper	
136	100		
137	10.4	9.0	13.4
54	6.1	7.0	10.6#
68	4.7	5.4	8.2#





#23

Nitrobenzene-d5

Concen: 0.11 ng

RT: 7.57 min Scan# 585

Delta R.T. 0.01 min

Lab File: BF078435.D

Acq: 11 Apr 2015 10:49

Instrument :

BNA_F

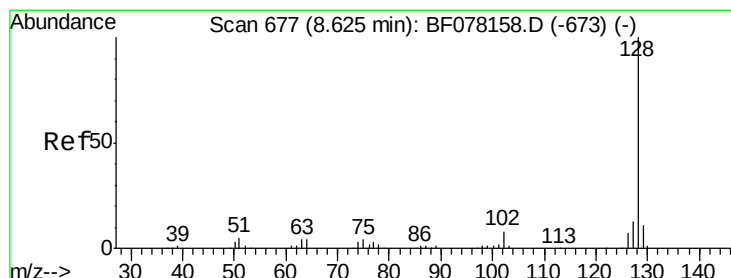
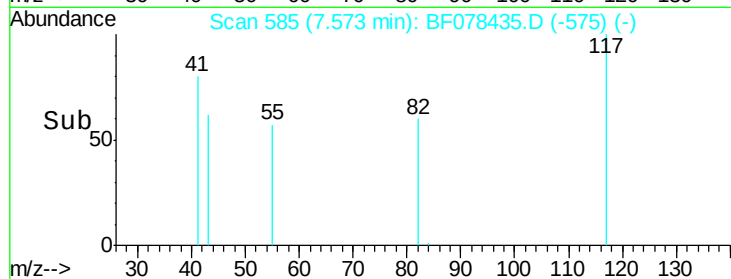
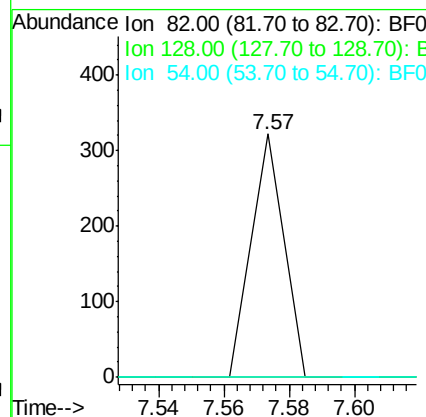
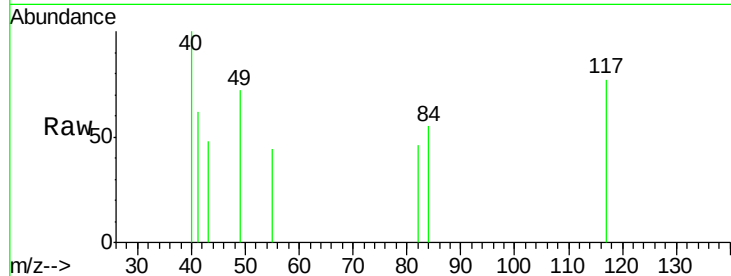
ClientSampleId :

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Tgt Ion:	82	Resp:	221
Ion Ratio	Lower	Upper	
82	100		
128	0.0	31.8	47.8#
54	0.0	41.5	62.3#

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#31

Naphthalene

Concen: 46.27 ng

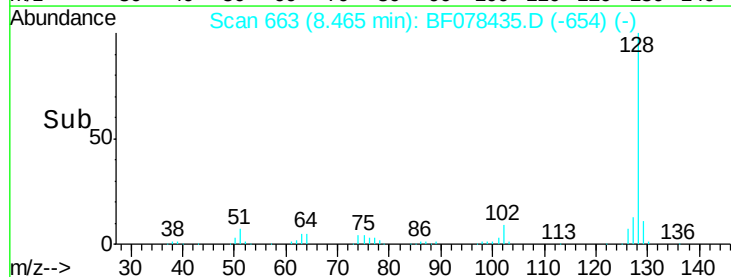
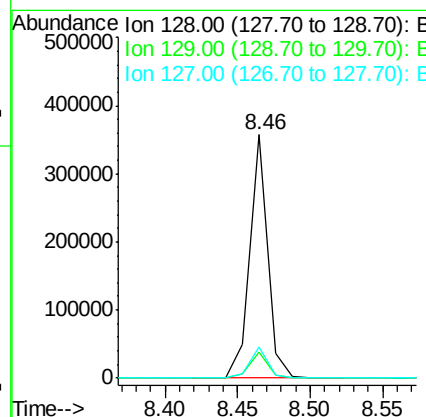
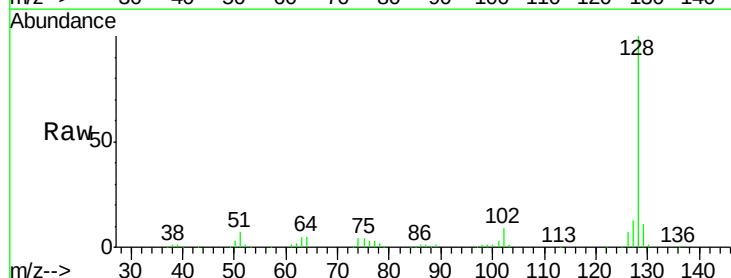
RT: 8.46 min Scan# 663

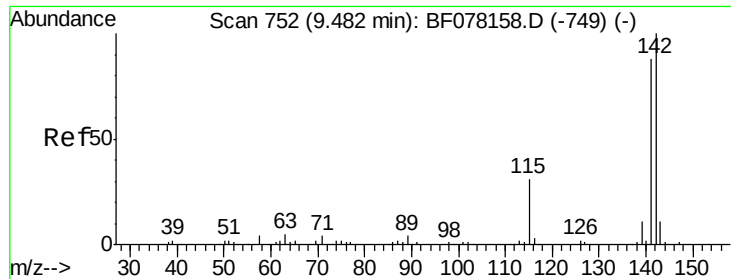
Delta R.T. 0.00 min

Lab File: BF078435.D

Acq: 11 Apr 2015 10:49

Tgt Ion:	128	Resp:	306908
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	12.9	10.7	16.1





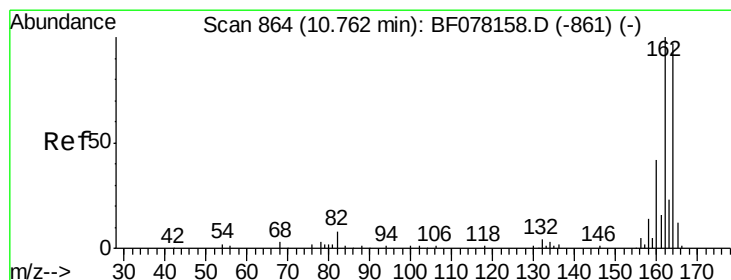
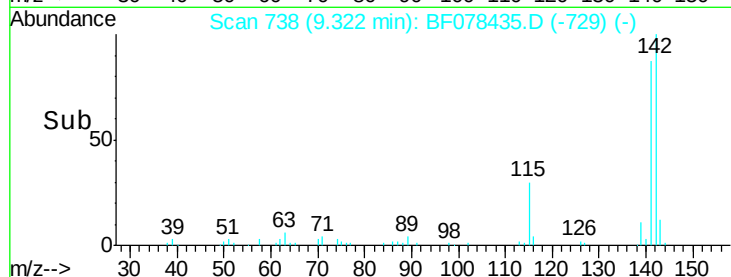
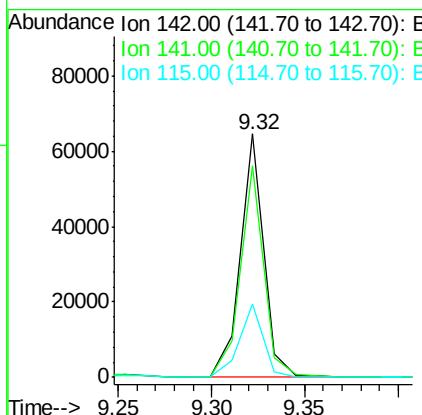
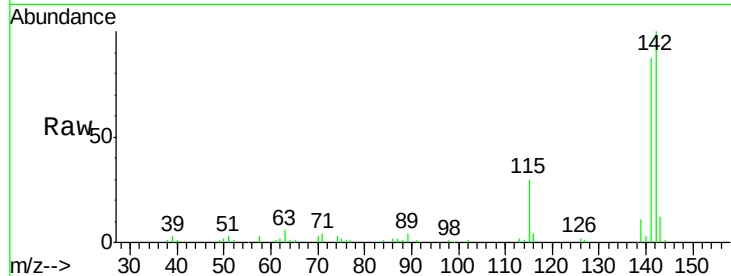
#37
 2-Methylnaphthalene
 Concen: 12.59 ng
 RT: 9.32 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

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 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.3	105.5
115	30.2	24.6	37.0

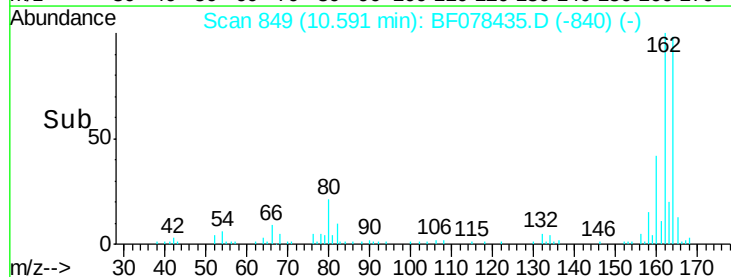
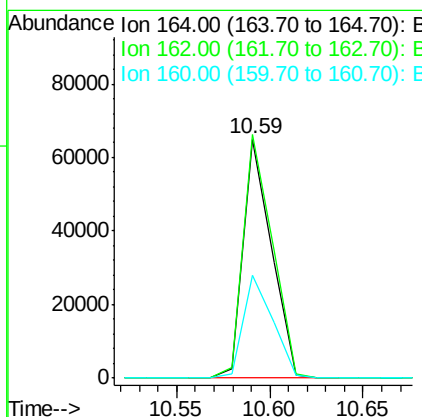
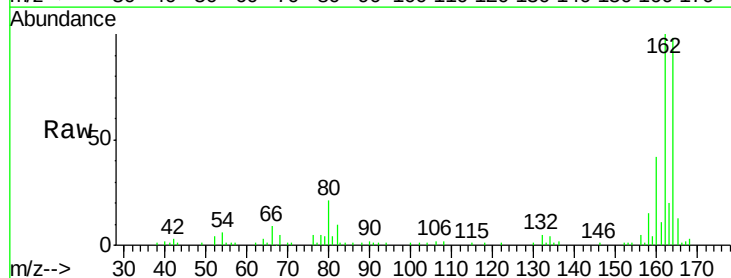
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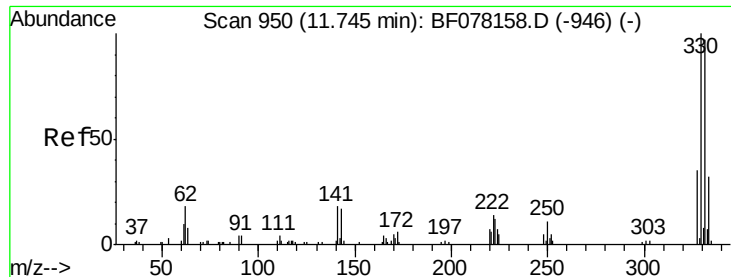
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.59 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: BF078435.D
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.2	123.2
160	43.2	34.7	52.1





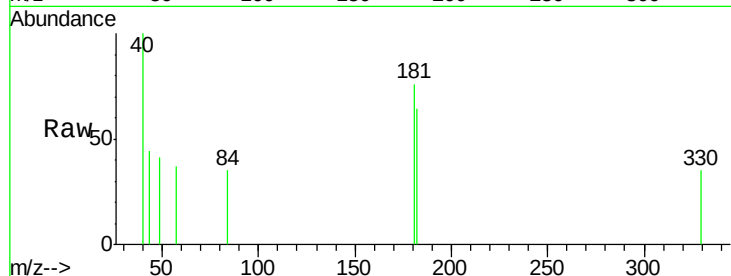
#41
 2,4,6-Tribromophenol
 Concen: 0.36 ng
 RT: 11.57 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-4DDL2

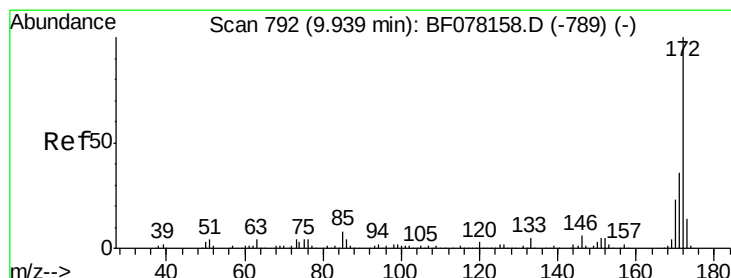
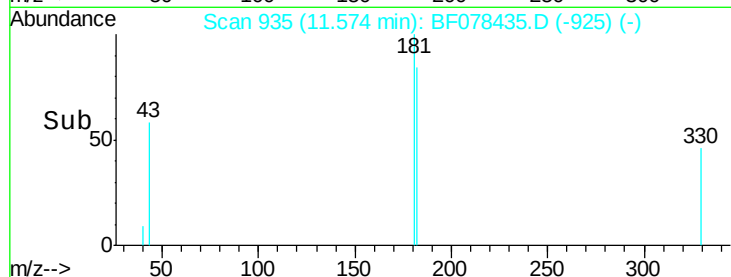
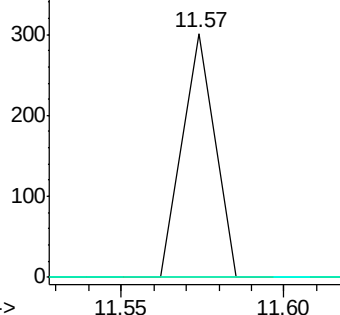
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	206		
332	0.0	78.6	117.8#	
141	0.0	31.2	46.8#	

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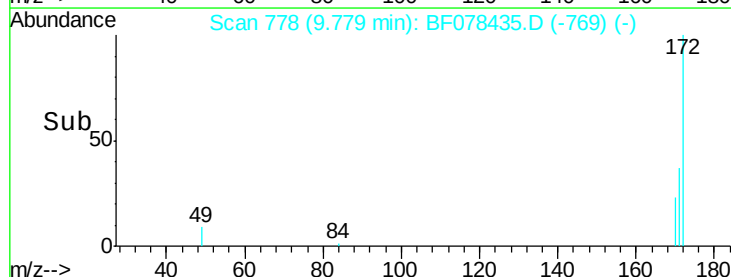
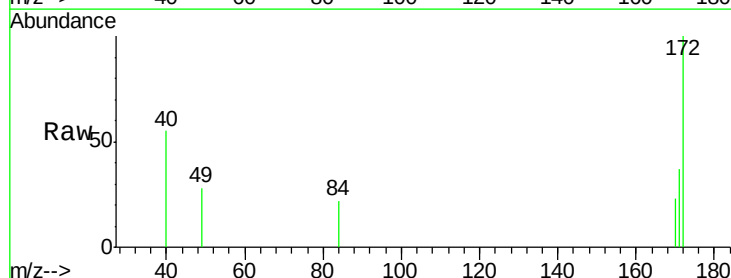
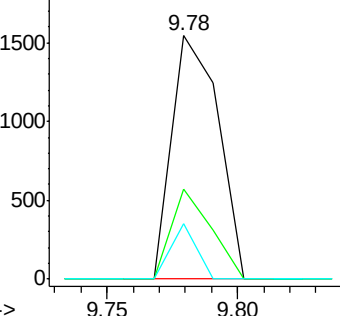
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

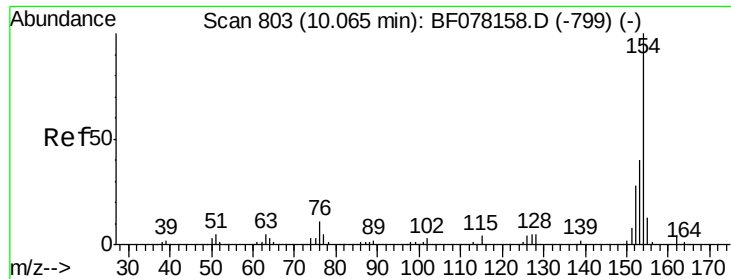


#44
 2-Fluorobiphenyl
 Concen: 0.40 ng
 RT: 9.78 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1913		
171	37.2	28.6	42.8	
170	22.7	18.5	27.7	

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





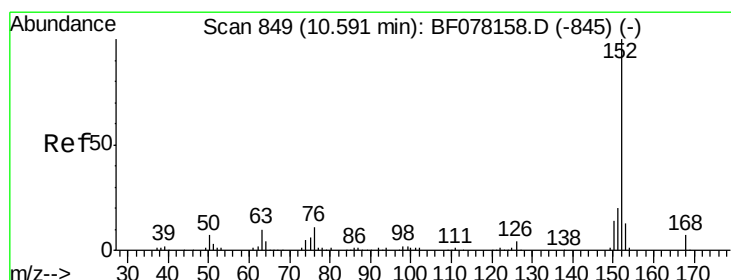
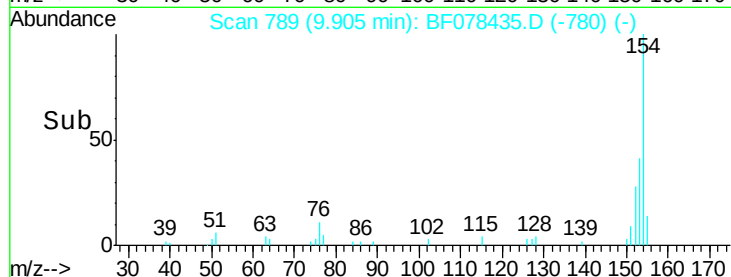
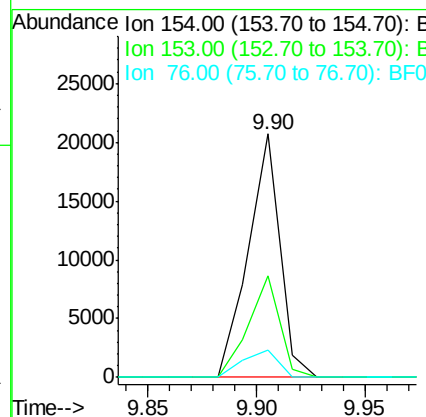
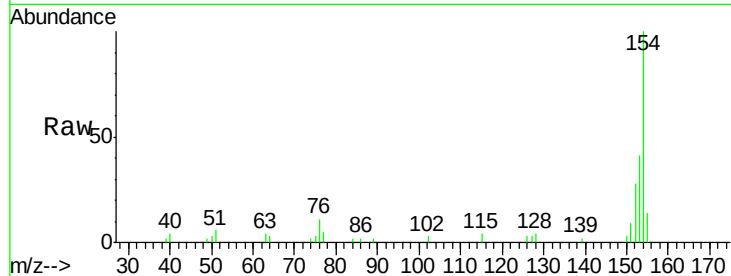
#45
 1,1'-Biphenyl
 Concen: 3.74 ng
 RT: 9.90 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Instrument :
 BNA_F
 ClientSampled :
 SB-4DDL2

Tgt Ion:	154	Resp:	20920
Ion Ratio	Lower	Upper	
154	100		
153	41.4	20.0	60.0
76	11.0	0.0	30.6

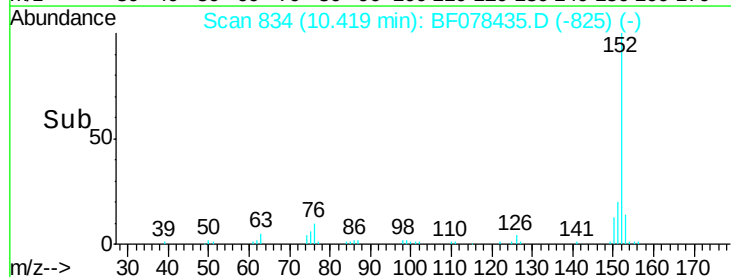
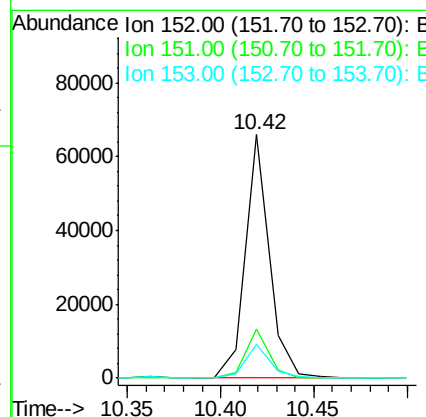
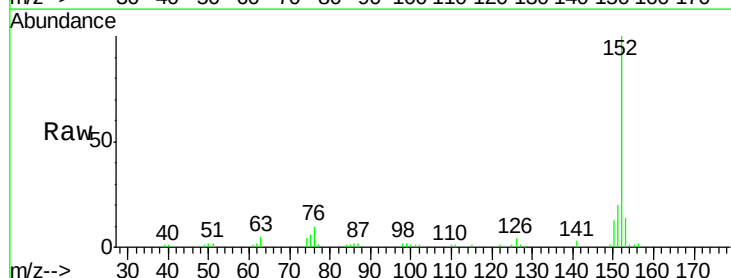
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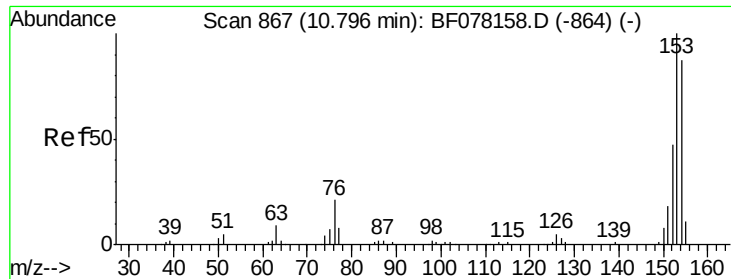
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#48
 Acenaphthylene
 Concen: 8.36 ng
 RT: 10.42 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Tgt Ion:	152	Resp:	59410
Ion Ratio	Lower	Upper	
152	100		
151	20.2	15.7	23.5
153	13.8	10.2	15.2





#51

Acenaphthene

Concen: 6.08 ng

RT: 10.64 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF078435.D

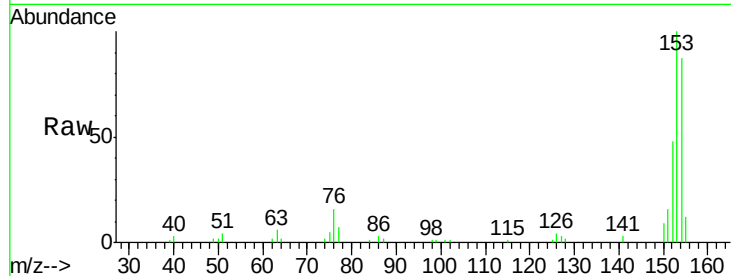
Acq: 11 Apr 2015 10:49

Instrument :

BNA_F

ClientSampleId :

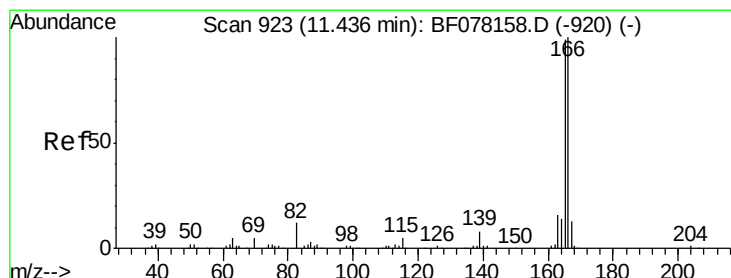
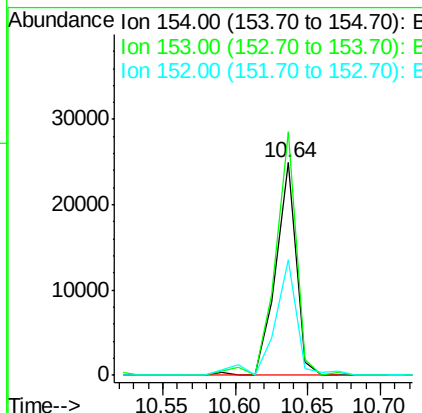
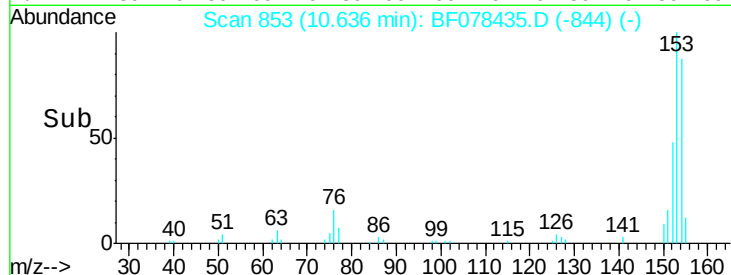
SB-4DDL2



Tgt Ion:	154	Resp:	24325
Ion Ratio	Lower	Upper	
154	100		
153	114.6	91.4	137.2
152	54.7	43.0	64.6

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#57

Fluorene

Concen: 8.07 ng

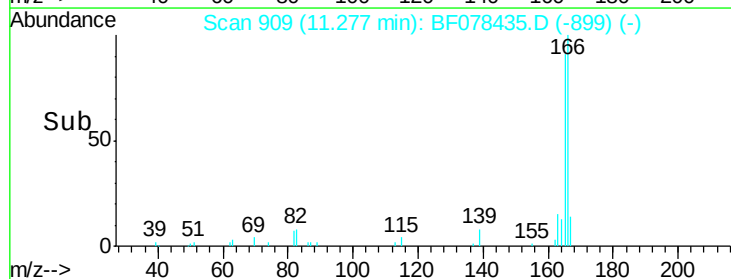
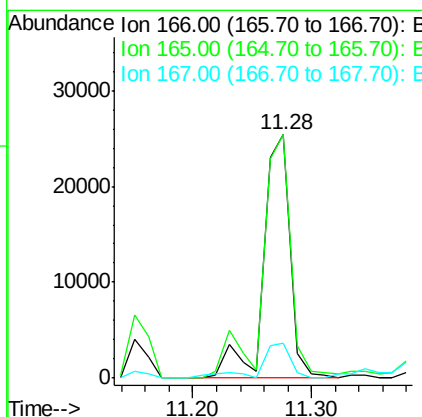
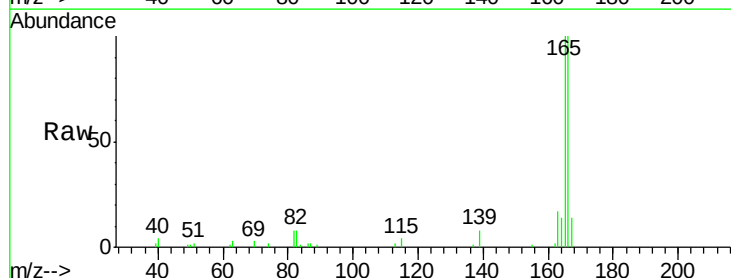
RT: 11.28 min Scan# 909

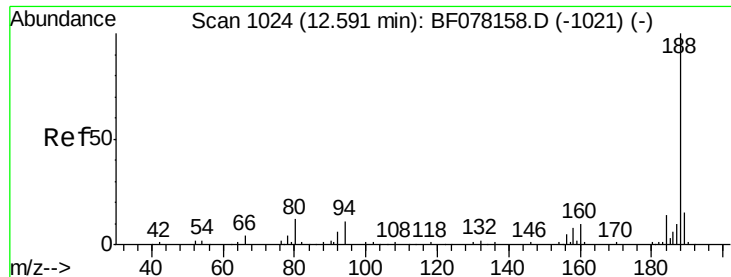
Delta R.T. 0.01 min

Lab File: BF078435.D

Acq: 11 Apr 2015 10:49

Tgt Ion:	166	Resp:	39934
Ion Ratio	Lower	Upper	
166	100		
165	99.9	78.9	118.3
167	14.2	10.7	16.1





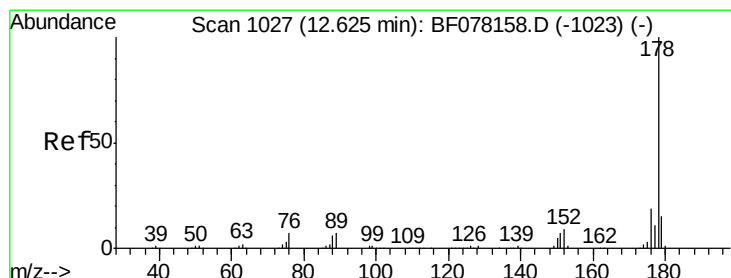
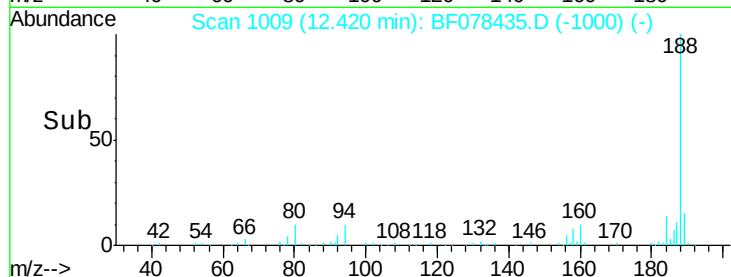
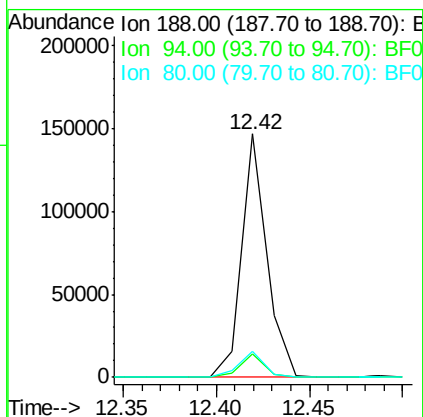
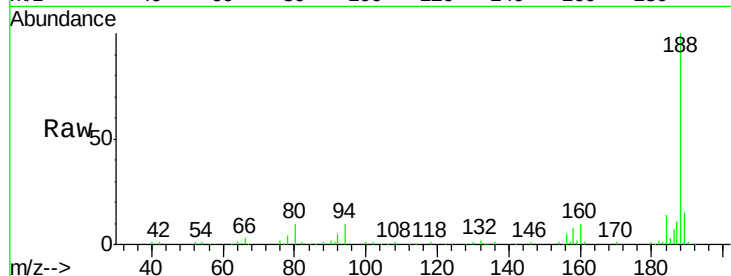
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.42 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-4DDL2

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.9	9.0	13.4
80	10.4	9.5	14.3

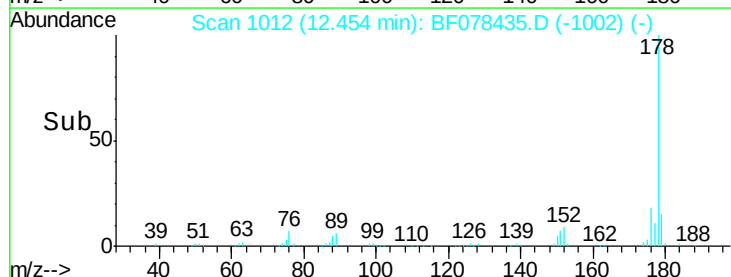
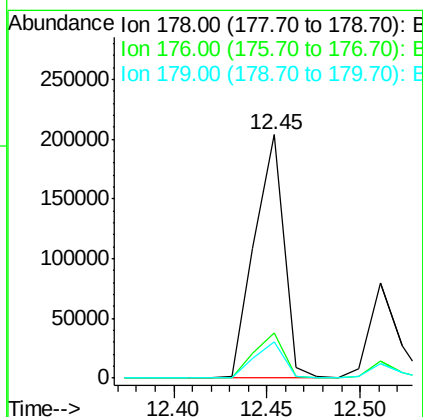
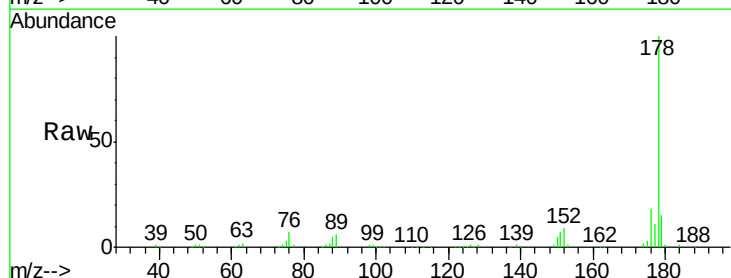
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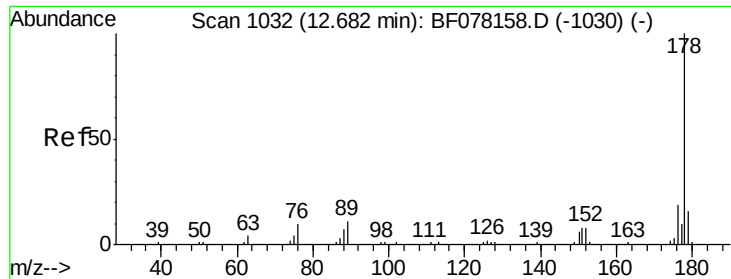
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#70
 Phenanthrene
 Concen: 27.87 ng
 RT: 12.45 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.3	15.4	23.0
179	14.8	12.2	18.2





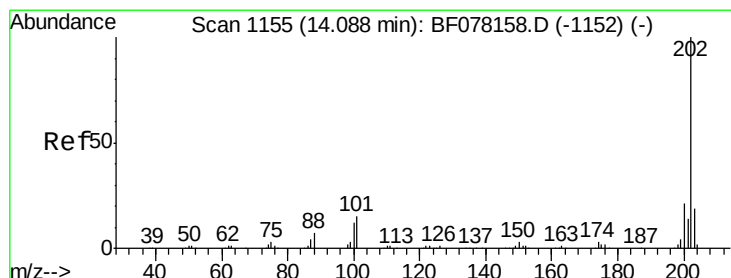
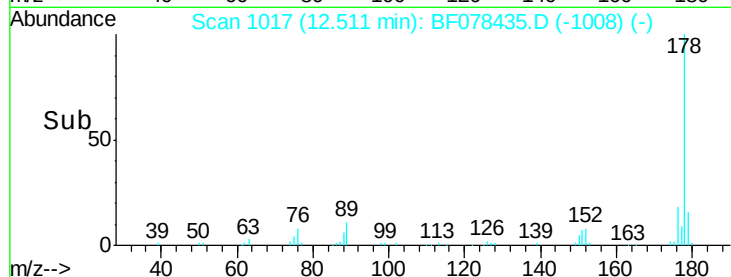
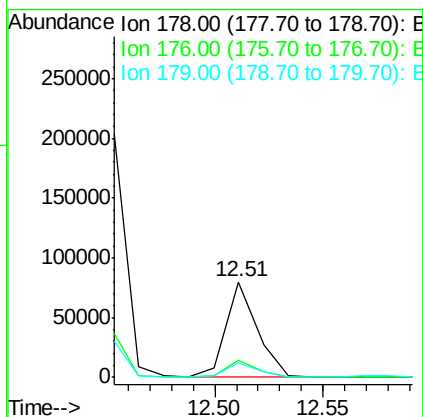
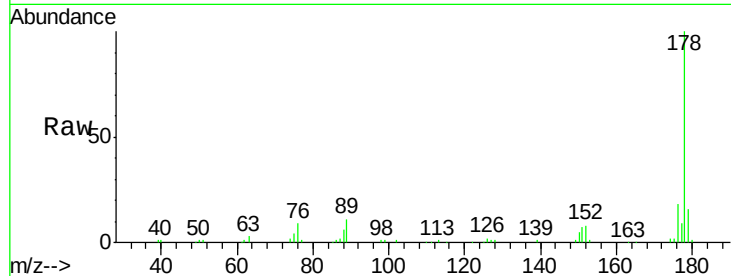
#71
 Anthracene
 Concen: 9.89 ng
 RT: 12.51 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-4DDL2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.8	22.2
179	15.6	12.4	18.6

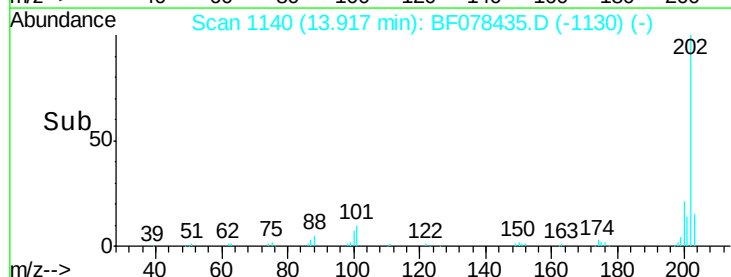
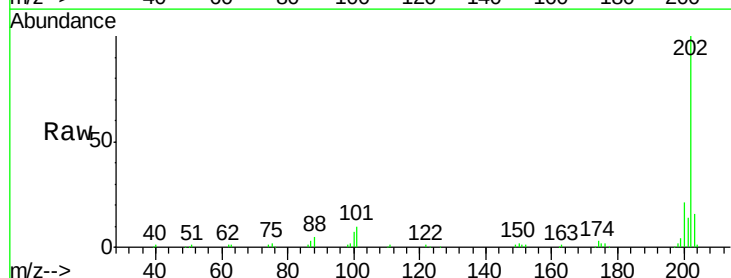
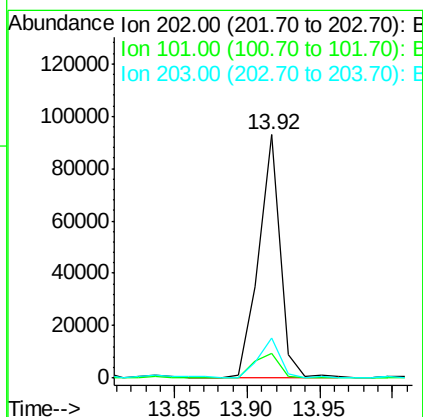
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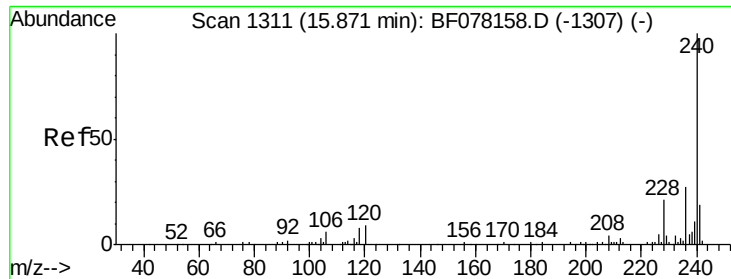
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#74
 Fluoranthene
 Concen: 11.46 ng
 RT: 13.92 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	35.2
203	16.4	0.0	38.5





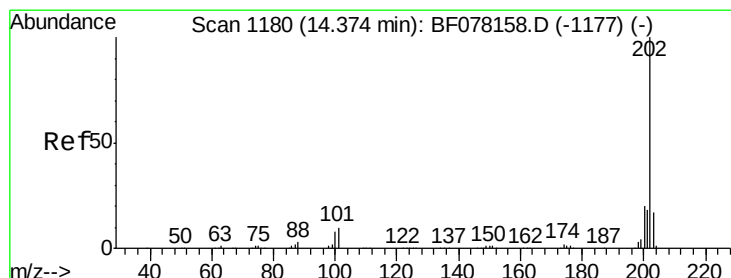
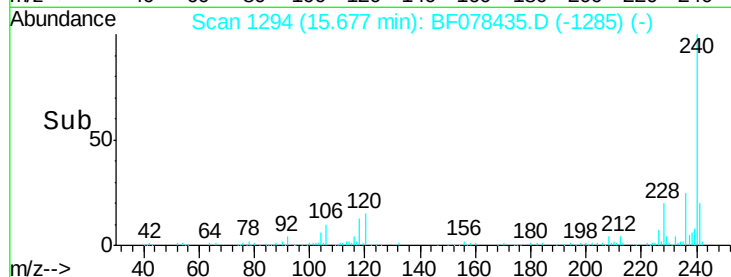
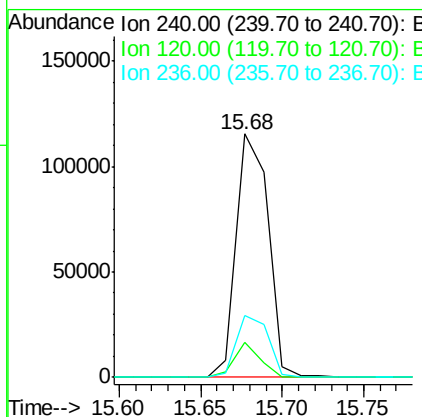
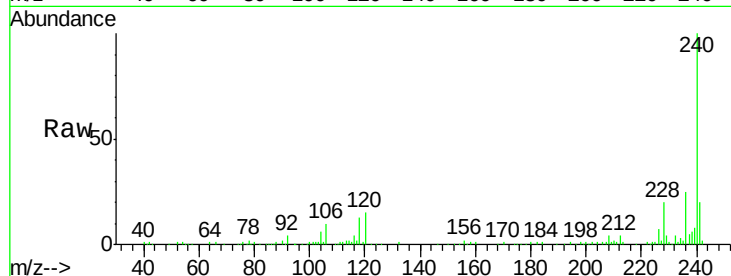
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.68 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-4DDL2

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	156124		
120	14.6	7.1	10.7#	
236	25.3	21.4	32.2	

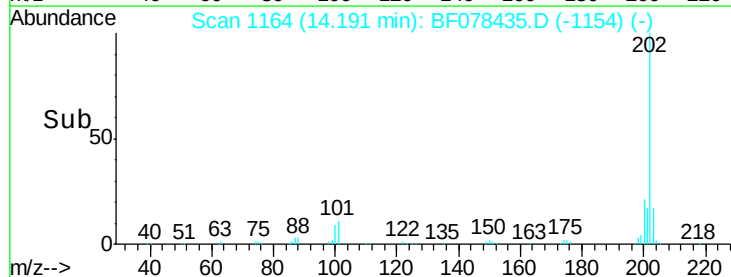
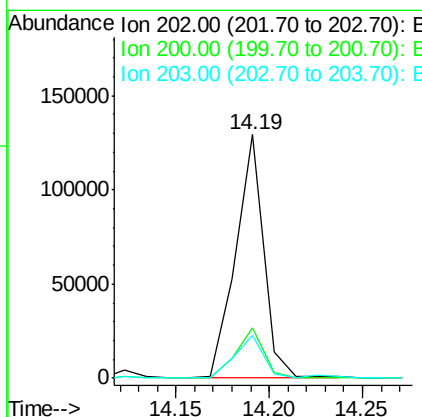
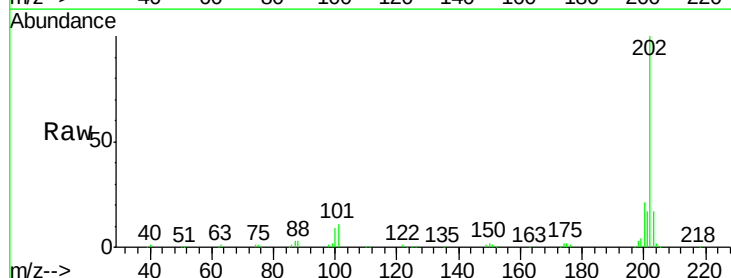
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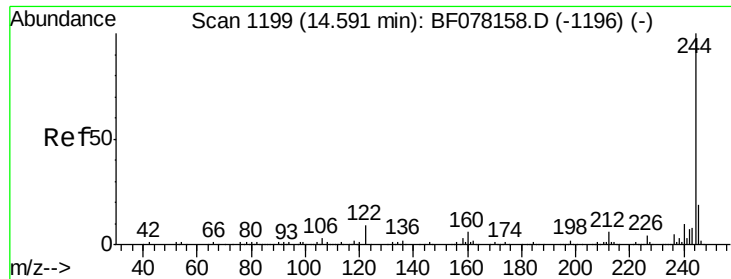
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#77
 Pyrene
 Concen: 13.97 ng
 RT: 14.19 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	136888		
200	20.5	16.3	24.5	
203	17.3	13.8	20.6	





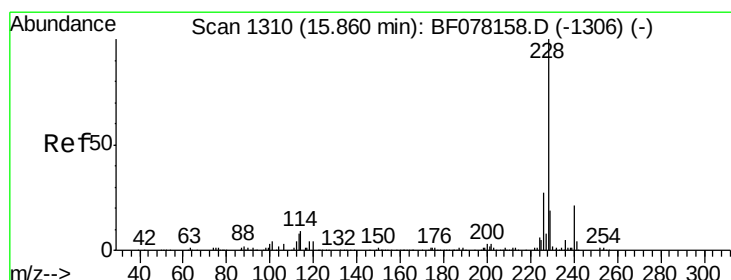
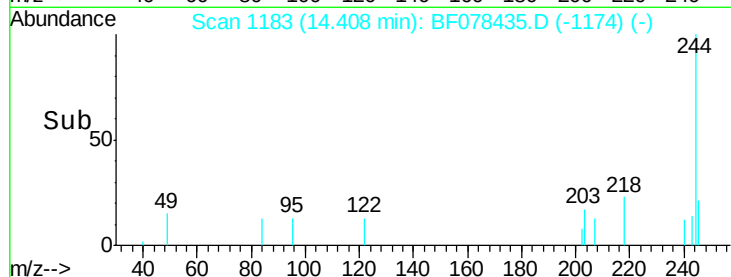
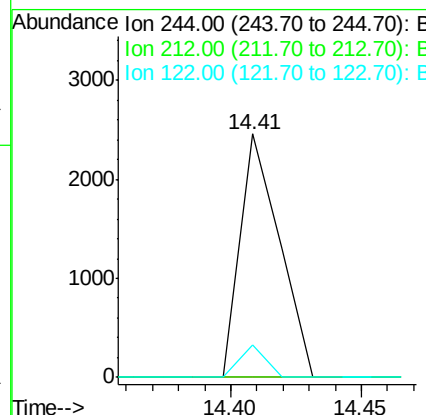
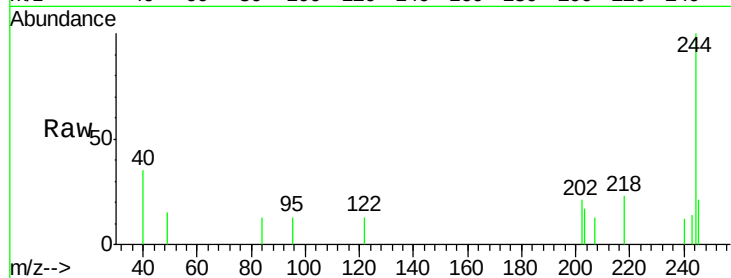
#78
 Terphenyl-d14
 Concen: 0.37 ng
 RT: 14.41 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-4DDL2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.0	7.4#
122	13.5	7.1	10.7#

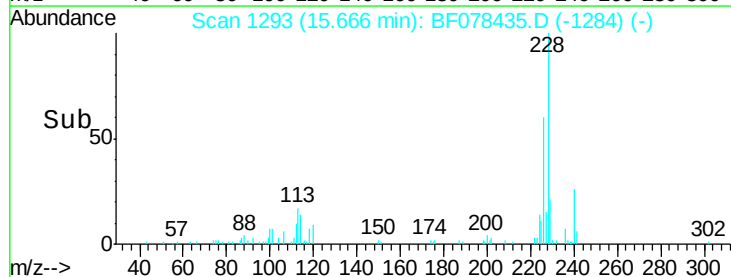
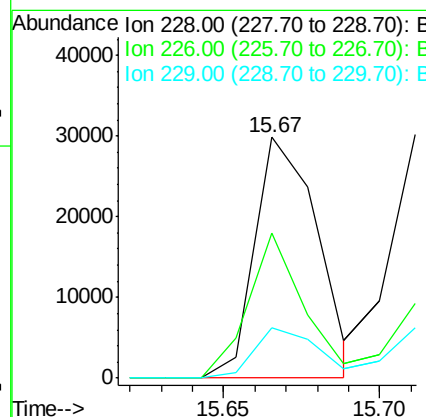
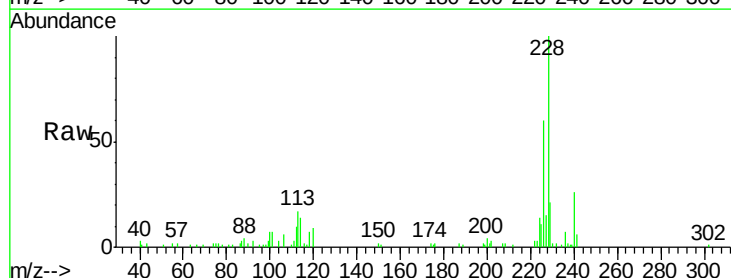
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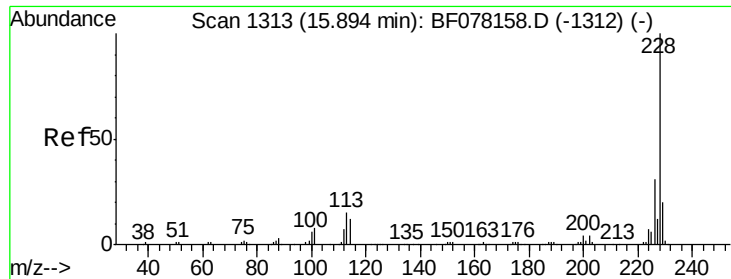
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#80
 Benzo(a)anthracene
 Concen: 4.48 ng m
 RT: 15.67 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: BF078435.D
 Acq: 11 Apr 2015 10:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	60.1	21.3	31.9#
229	20.8	15.4	23.2





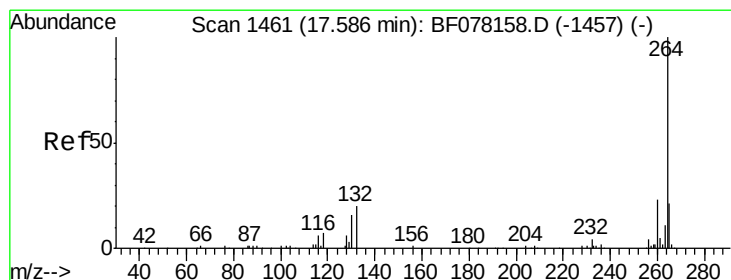
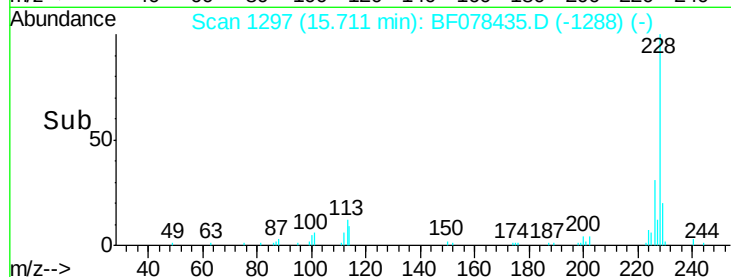
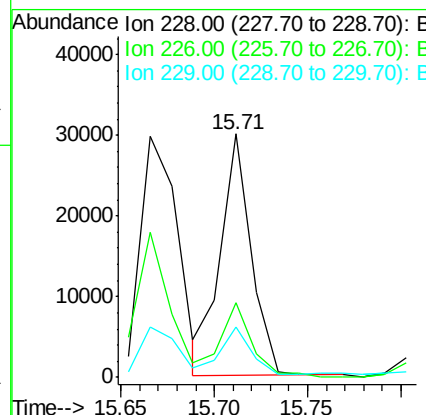
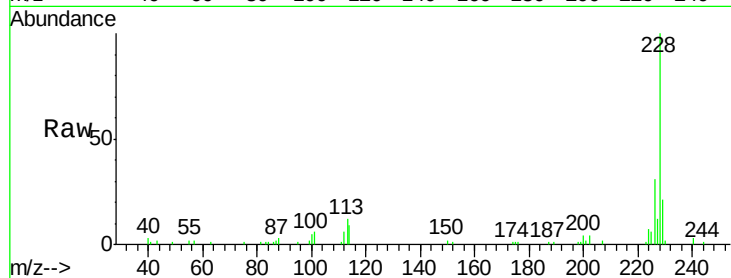
#82
Chrysene
Concen: 3.95 ng
RT: 15.71 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF078435.D
Acq: 11 Apr 2015 10:49

Instrument :
BNA_F
ClientSampleId :
SB-4DDL2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.4
229	20.6	15.8	23.8

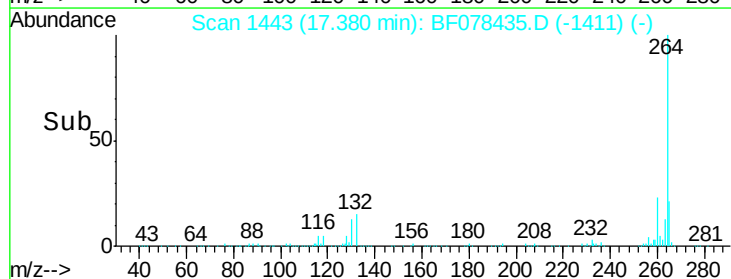
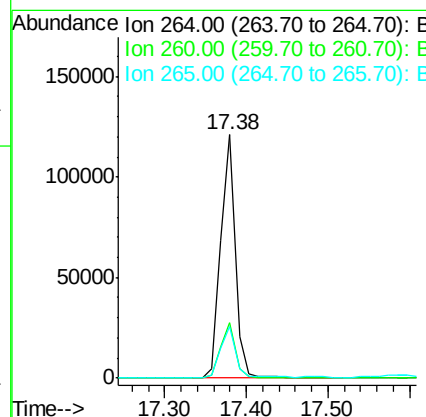
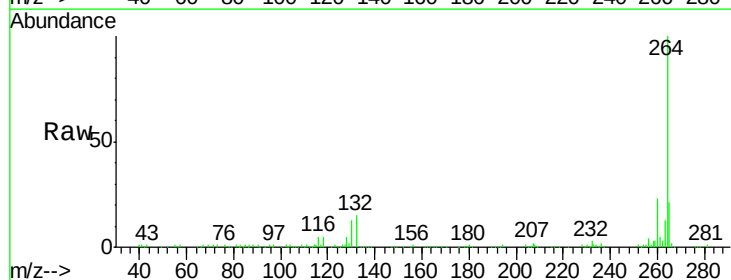
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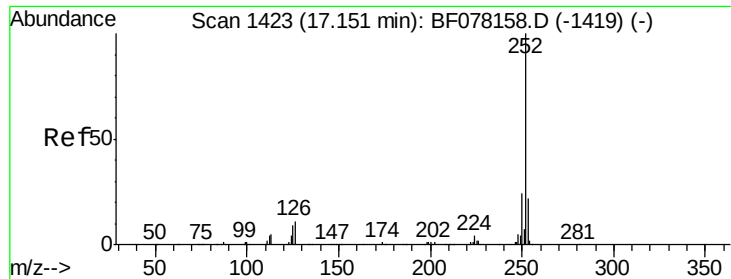
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#86
Perylene-d12
Concen: 20.00 ng
RT: 17.38 min Scan# 1443
Delta R.T. 0.07 min
Lab File: BF078435.D
Acq: 11 Apr 2015 10:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.1	17.0	25.6





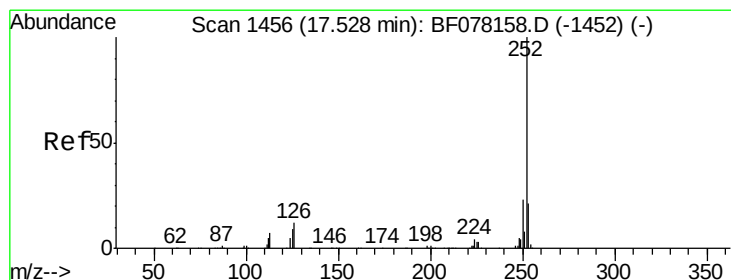
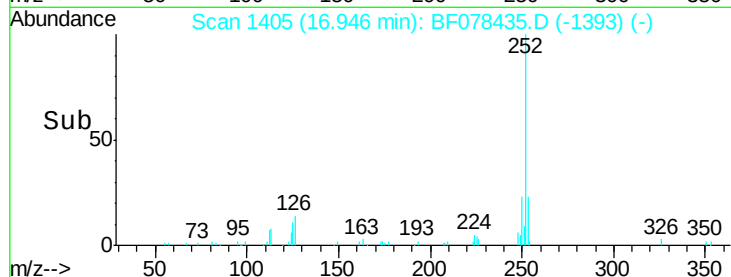
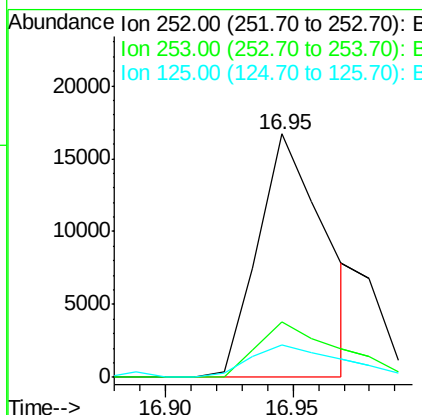
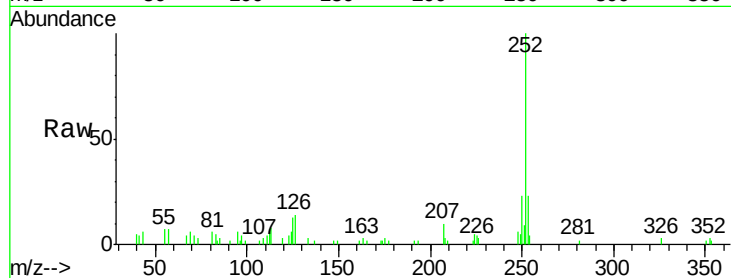
#87
Benzo(b)fluoranthene
Concen: 3.27 ng m
RT: 16.95 min Scan# 1405
Delta R.T. 0.03 min
Lab File: BF078435.D
Acq: 11 Apr 2015 10:49

Instrument :
BNA_F
ClientSampleId :
SB-4DDL2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	13.3	7.0	10.4

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 3.96 ng
RT: 17.31 min Scan# 1437
Delta R.T. 0.06 min
Lab File: BF078435.D
Acq: 11 Apr 2015 10:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	16.8	25.2
125	12.7	7.4	11.0

