

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078485.D
 Acq On : 14 Apr 2015 5:08
 Operator : TP/IZ
 Sample : G1793-16DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-8DDL

Manual Integrations
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Quant Time: Apr 14 05:13:21 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 04:24:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	37714	20.00	ng	0.00
21) Naphthalene-d8	8.40	136	161433	20.00	ng	-0.01
38) Acenaphthene-d10	10.56	164	86423	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	175459	20.00	ng	0.00
75) Chrysene-d12	15.63	240	181186	20.00	ng	-0.01
86) Perylene-d12	17.28	264	184576	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.08	112	43022	18.81	ng	0.01
7) Phenol-d6	6.42	99	59144	20.63	ng	-0.01
23) Nitrobenzene-d5	7.53	82	31941	11.99	ng	0.00
41) 2,4,6-Tribromophenol	11.54	330	13218	18.44	ng	0.00
44) 2-Fluorobiphenyl	9.75	172	69157	11.44	ng	-0.01
78) Terphenyl-d14	14.37	244	86302	10.76	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.43	128	46575	5.54	ng	98
51) Acenaphthene	10.60	154	39172	7.75	ng	98
54) Dibenzofuran	10.82	168	33936	4.39	ng	93
57) Fluorene	11.23	166	32172	5.14	ng	98
70) Phenanthrene	12.41	178	317740	31.31	ng	99
71) Anthracene	12.48	178	47674	4.77	ng	98
72) Carbazole	12.70	167	20722	2.21	ng	97
74) Fluoranthene	13.87	202	397428	37.13	ng	96
77) Pyrene	14.15	202	391702	34.44	ng	# 95
80) Benzo(a)anthracene	15.62	228	171258	15.89	ng	95
82) Chrysene	15.67	228	137737	13.60	ng	98
85) Indeno(1,2,3-cd)pyrene	18.47	276	97703	8.50	ng	# 88
87) Benzo(b)fluoranthene	16.87	252	181177m	15.88	ng	
88) Benzo(k)fluoranthene	16.88	252	71417m	7.04	ng	
89) Benzo(a)pyrene	17.22	252	157561	15.83	ng	98
91) Benzo(g,h,i)perylene	18.81	276	95931	9.60	ng	98

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

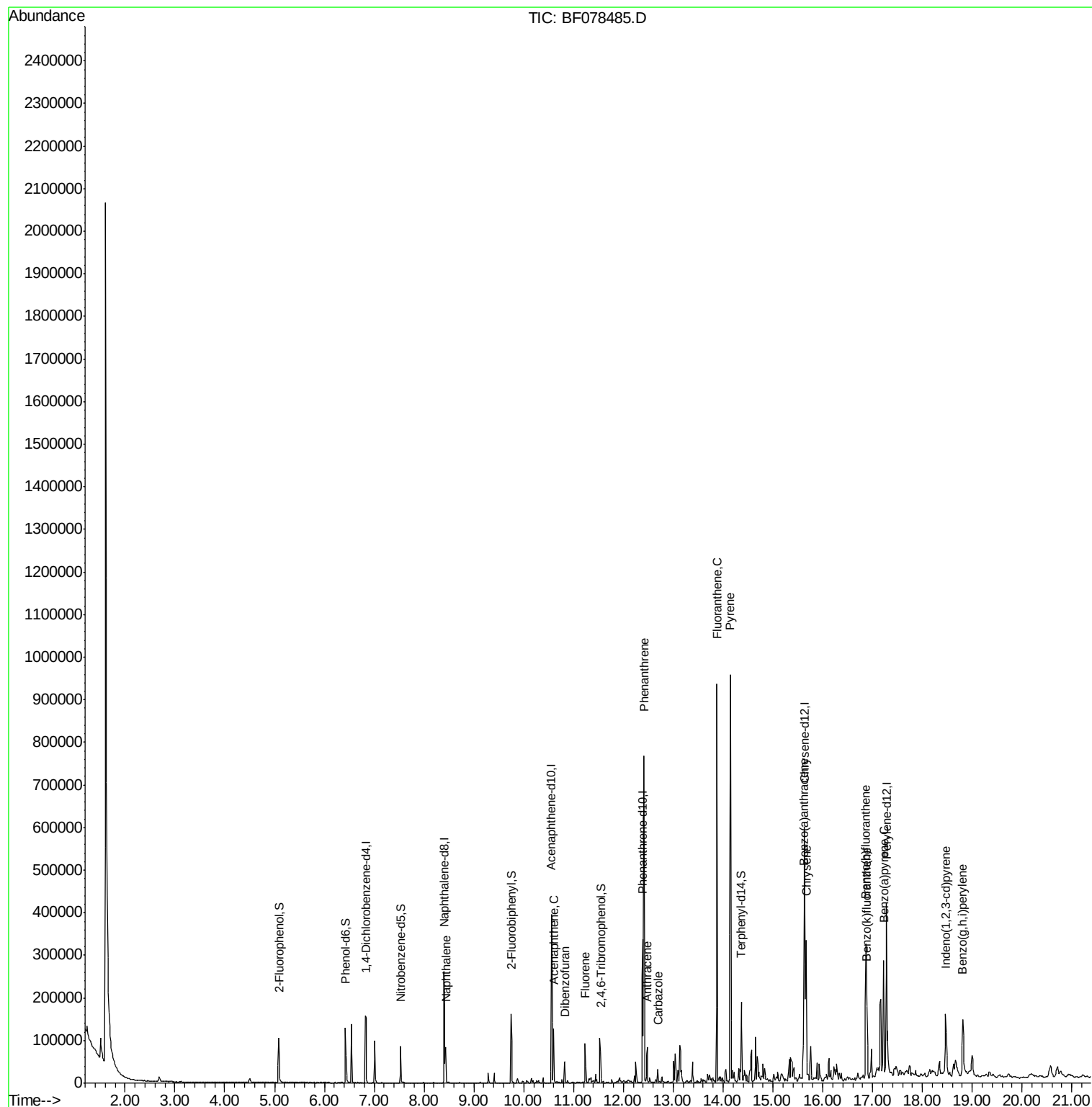
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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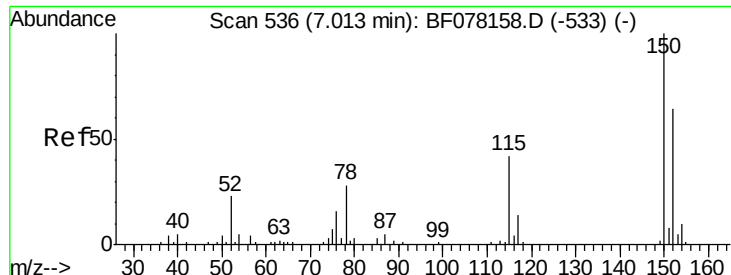
Instrument :
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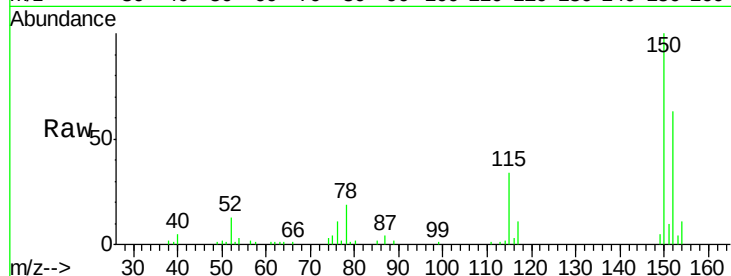




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 494
Delta R.T. -0.00 min
Lab File: BF078485.D
Acq: 14 Apr 2015 5:08

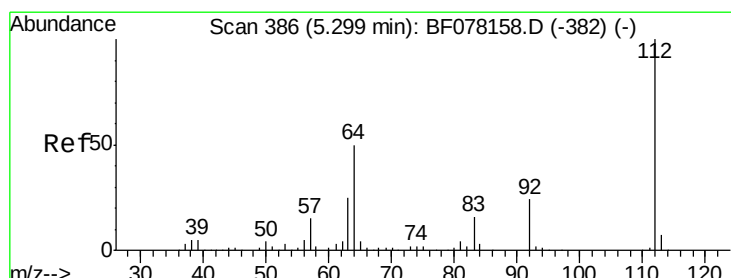
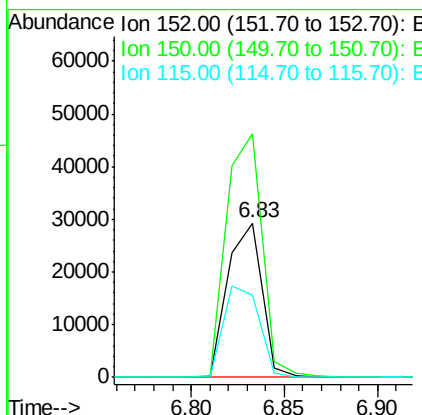
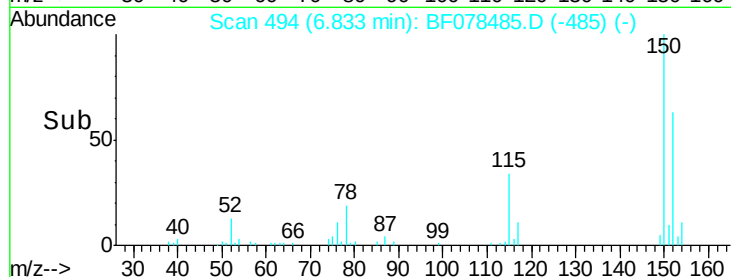
Instrument :
BNA_F
ClientSampleId :
SB-8DDL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	125.9	188.9
115	53.4	52.7	79.1

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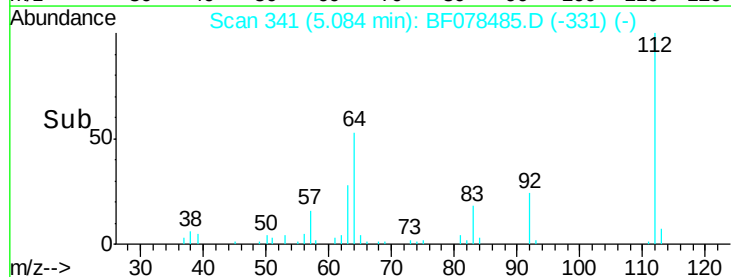
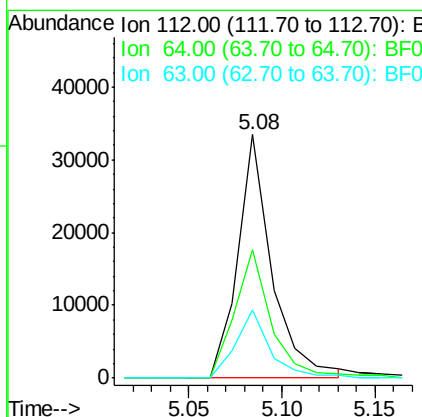
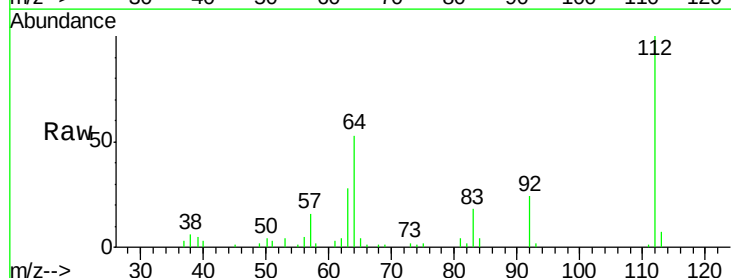
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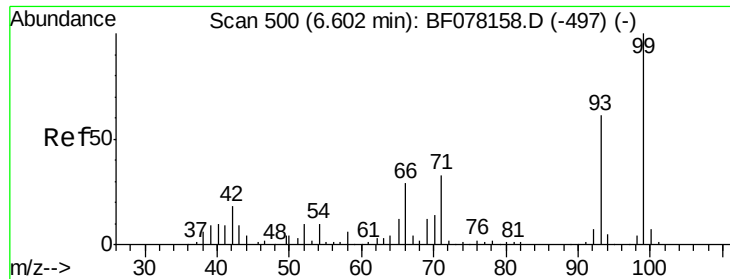


#5

2-Fluorophenol
Concen: 18.81 ng
RT: 5.08 min Scan# 341
Delta R.T. 0.01 min
Lab File: BF078485.D
Acq: 14 Apr 2015 5:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	39.9	59.9
63	28.3	20.2	30.4





#7

Phenol-d6

Concen: 20.63 ng

RT: 6.42 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF078485.D

Acq: 14 Apr 2015 5:08

Instrument :

BNA_F

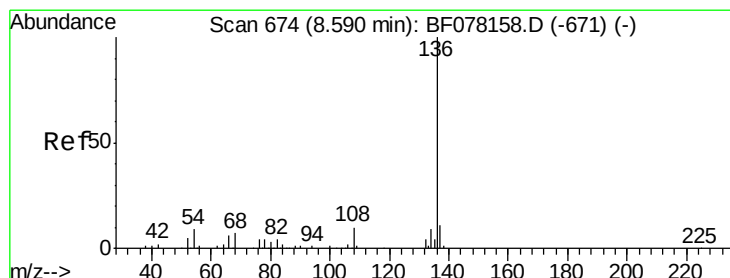
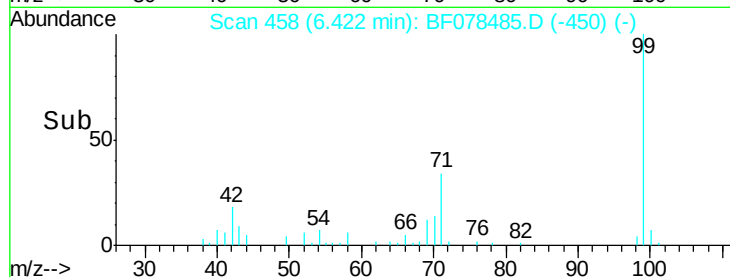
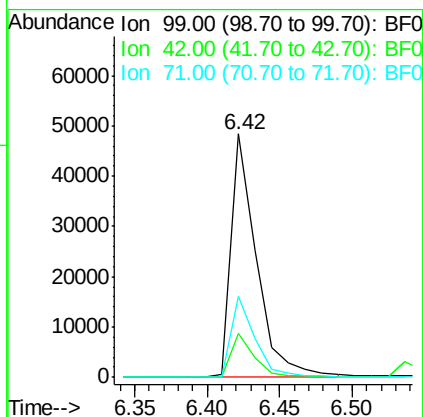
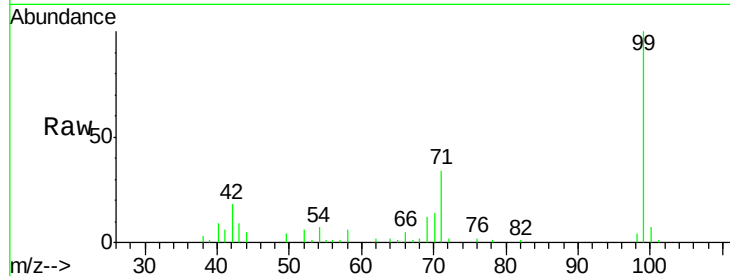
ClientSampleId :

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Tgt Ion:	99	Resp:	59144
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.8	22.2
71	33.5	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

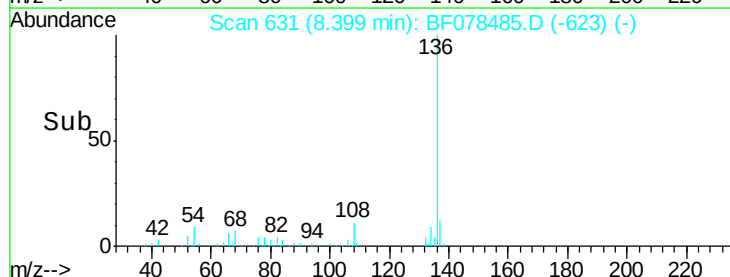
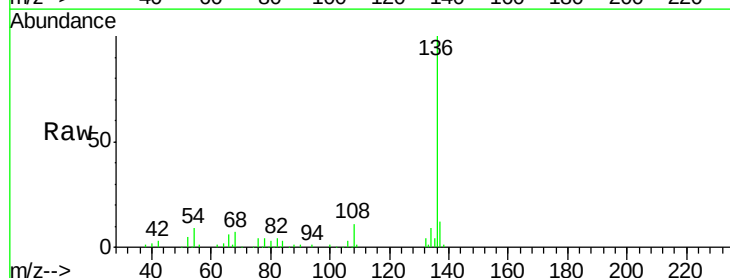
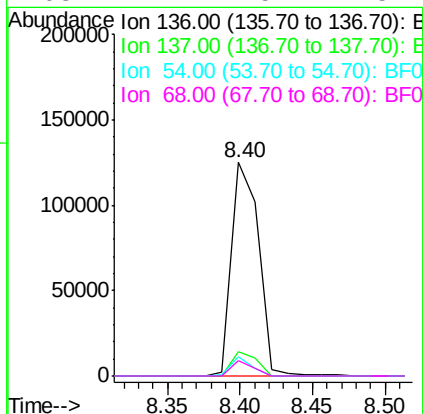
RT: 8.40 min Scan# 631

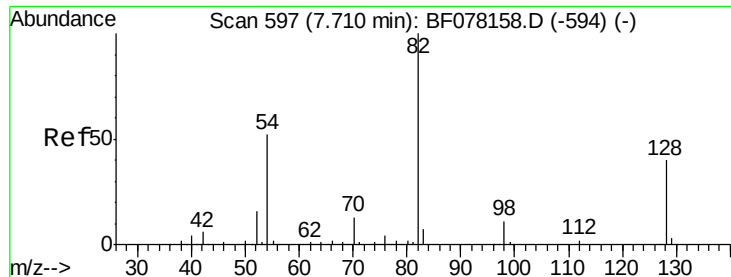
Delta R.T. -0.01 min

Lab File: BF078485.D

Acq: 14 Apr 2015 5:08

Tgt Ion:	136	Resp:	161433
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.4
54	9.2	7.0	10.6
68	7.1	5.4	8.2





#23

Nitrobenzene-d5

Concen: 11.99 ng

RT: 7.53 min Scan# 555

Delta R.T. -0.00 min

Lab File: BF078485.D

Acq: 14 Apr 2015 5:08

Instrument :

BNA_F

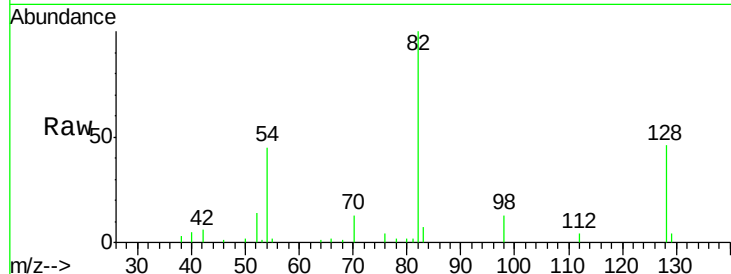
ClientSampled :

SB-8DDL

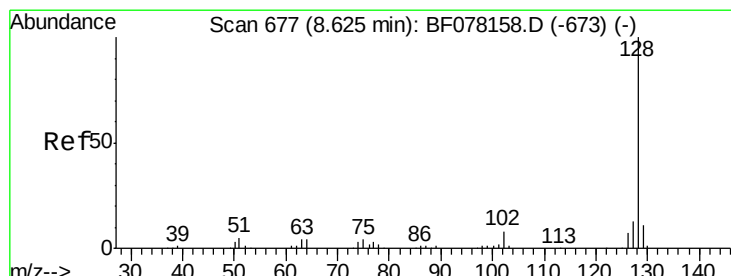
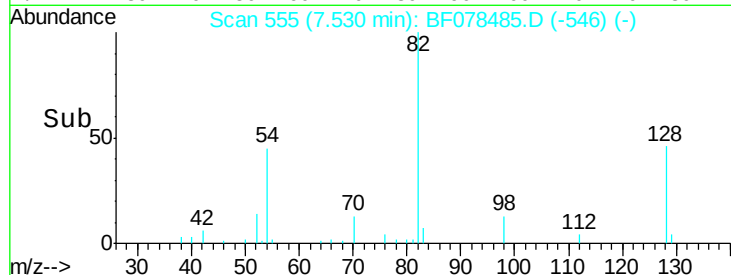
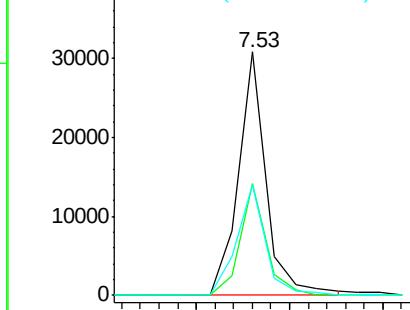
Tgt Ion:	82	Resp:	31941
Ion Ratio	Lower	Upper	
82	100		
128	46.0	31.8	47.8
54	45.4	41.5	62.3

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 5.54 ng

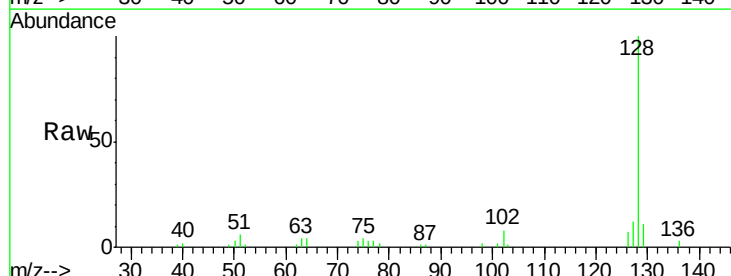
RT: 8.43 min Scan# 634

Delta R.T. -0.00 min

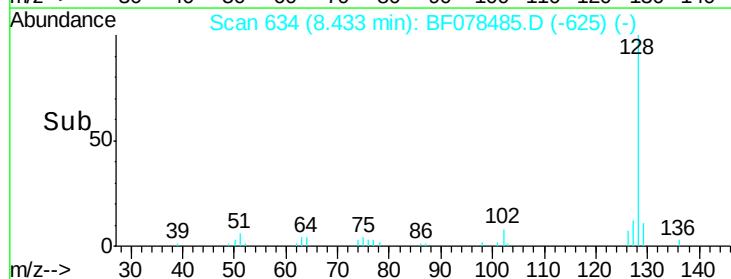
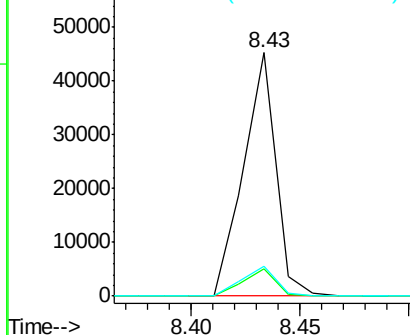
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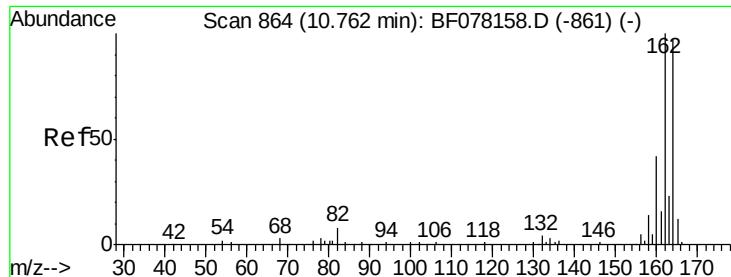
Acq: 14 Apr 2015 5:08

Tgt Ion:	128	Resp:	46575
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.6	12.8
127	12.2	10.7	16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





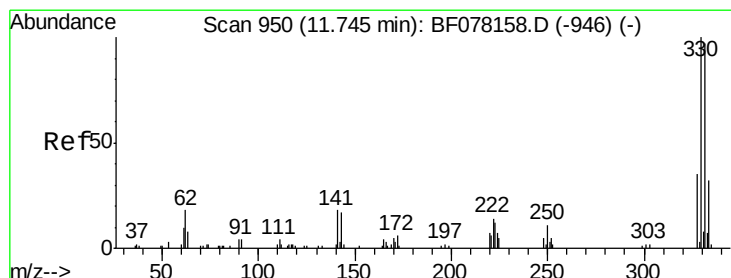
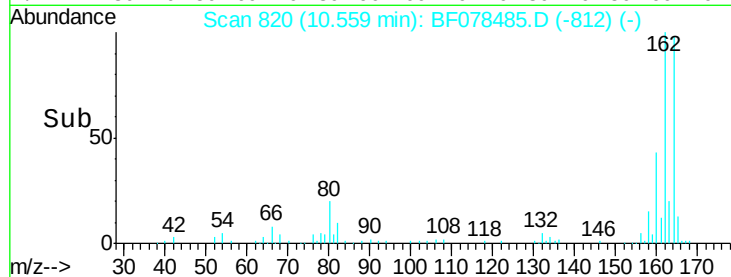
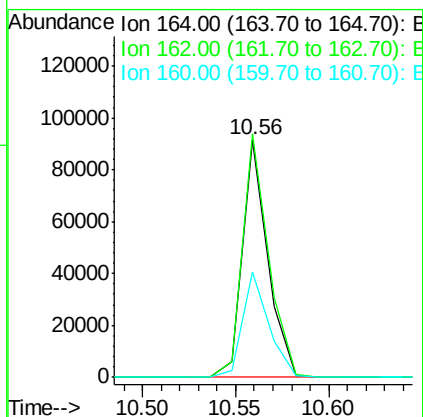
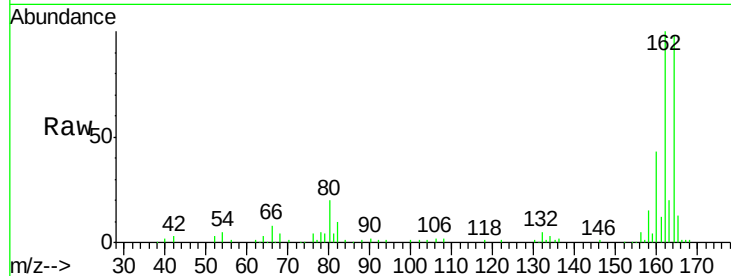
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.56 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF078485.D
Acq: 14 Apr 2015 5:08

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100	86423		
162	102.4	82.2	123.2	
160	44.3	34.7	52.1	

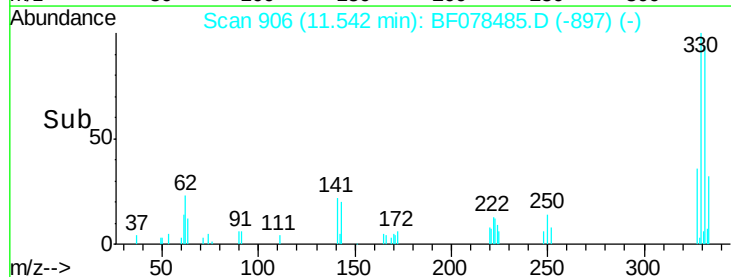
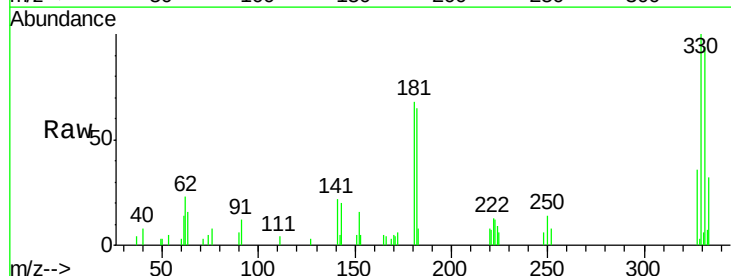
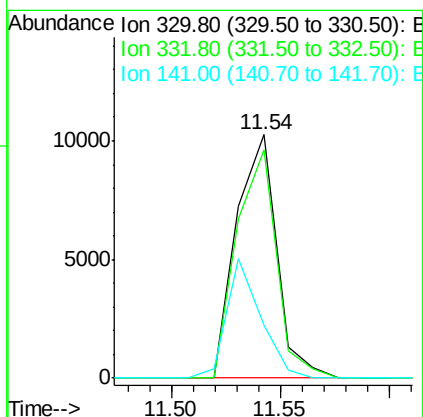
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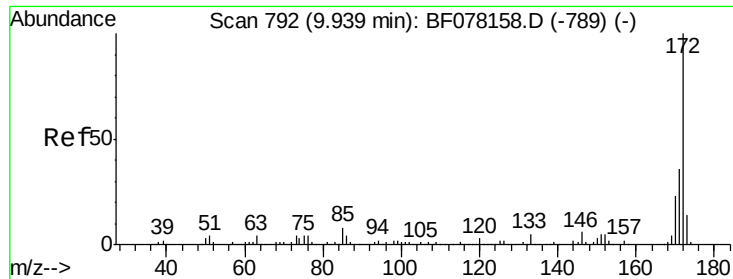
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#41
2,4,6-Tribromophenol
Concen: 18.44 ng
RT: 11.54 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF078485.D
Acq: 14 Apr 2015 5:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	13218		
332	93.0	78.6	117.8	
141	41.4	31.2	46.8	





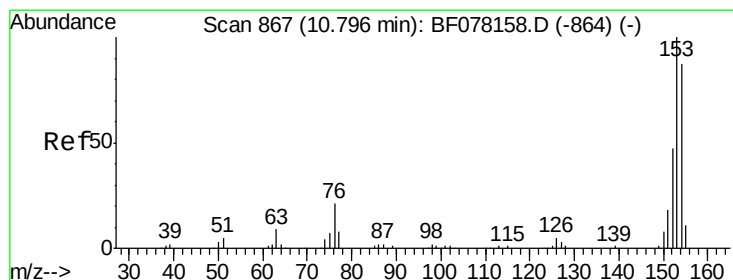
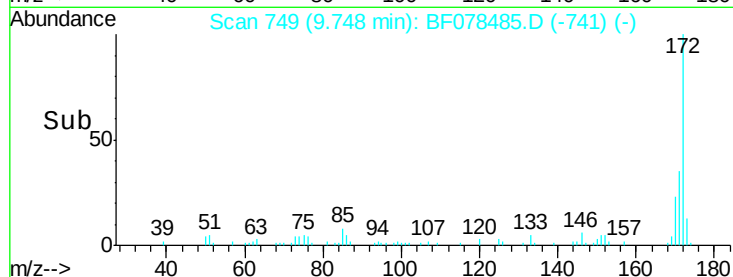
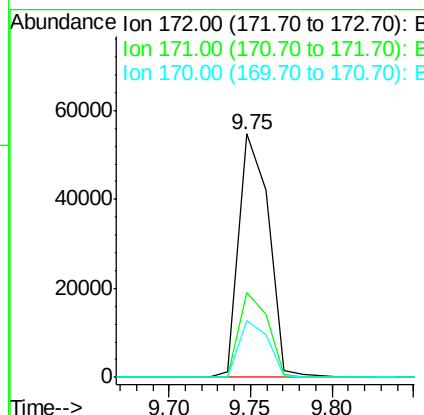
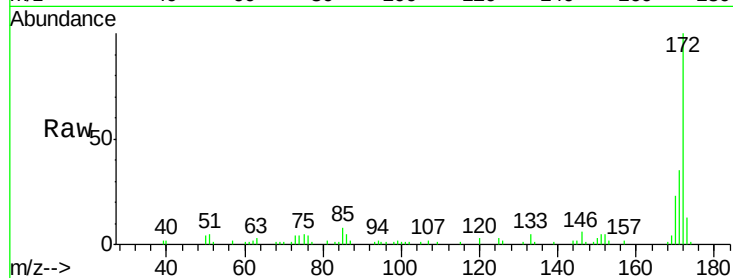
#44
 2-Fluorobiphenyl
 Concen: 11.44 ng
 RT: 9.75 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF078485.D
 Acq: 14 Apr 2015 5:08

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 ClientSampleId :
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Tgt Ion:	172	Resp:	69157
Ion Ratio	Lower	Upper	
172	100		
171	35.0	28.6	42.8
170	23.1	18.5	27.7

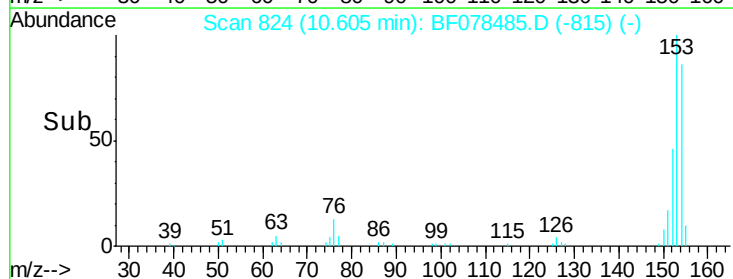
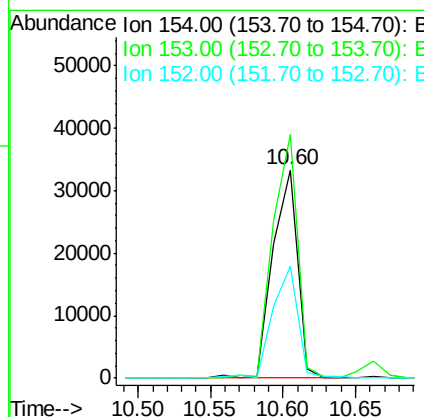
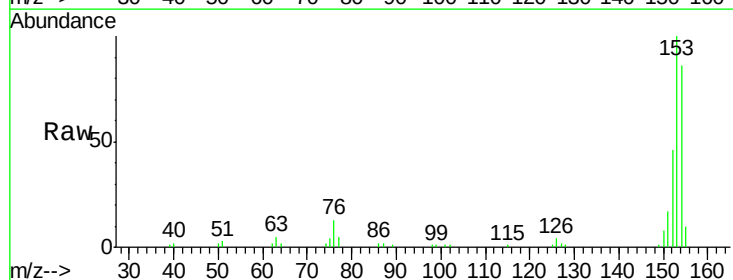
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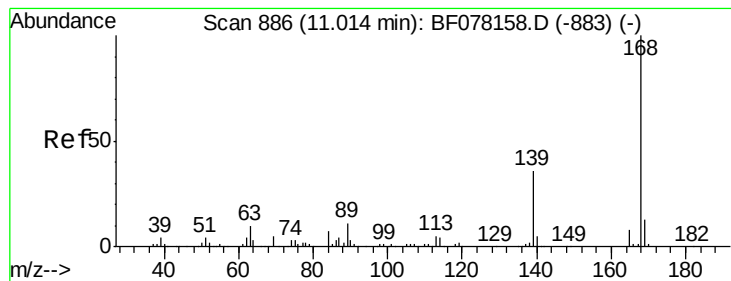
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#51
 Acenaphthene
 Concen: 7.75 ng
 RT: 10.60 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BF078485.D
 Acq: 14 Apr 2015 5:08

Tgt Ion:	154	Resp:	39172
Ion Ratio	Lower	Upper	
154	100		
153	116.8	91.4	137.2
152	53.8	43.0	64.6





#54

Dibenzenofuran

Concen: 4.39 ng

RT: 10.82 min Scan# 843

Delta R.T. -0.00 min

Lab File: BF078485.D

Acq: 14 Apr 2015 5:08

Instrument :

BNA_F

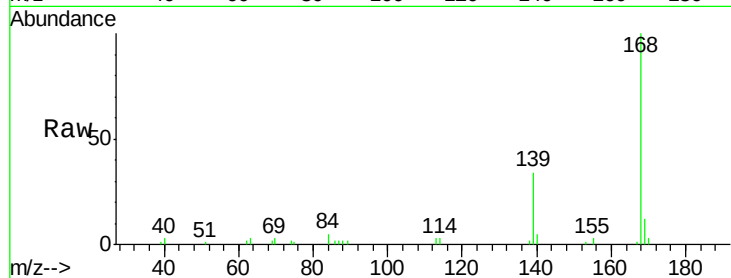
ClientSampleId :

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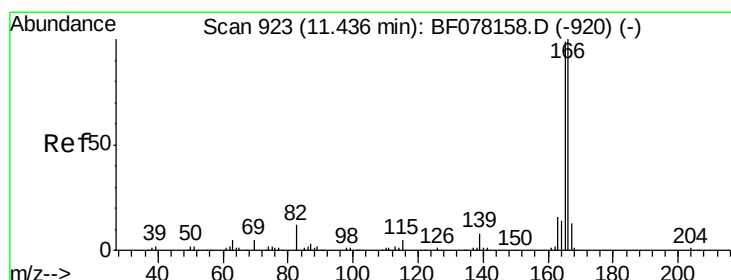
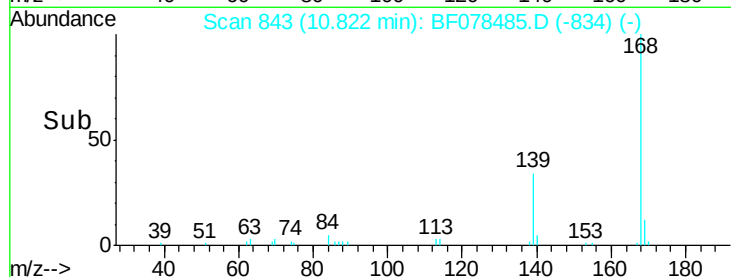
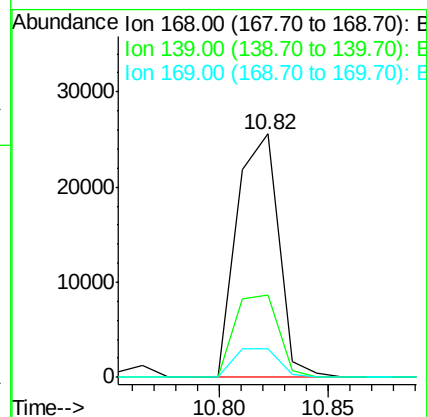
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Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.6	31.0	46.4
169	11.8	10.7	16.1



#57

Fluorene

Concen: 5.14 ng

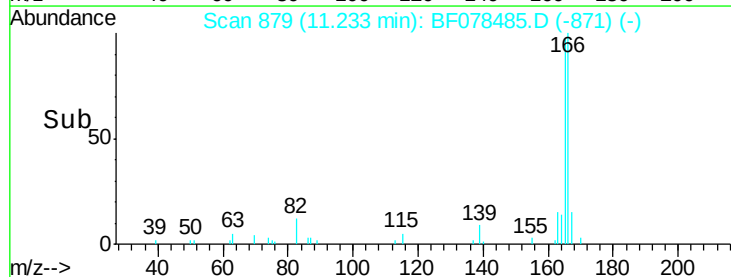
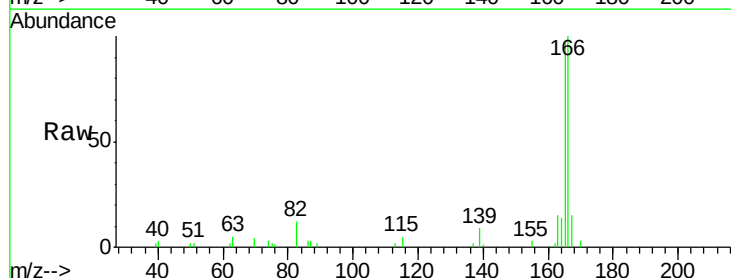
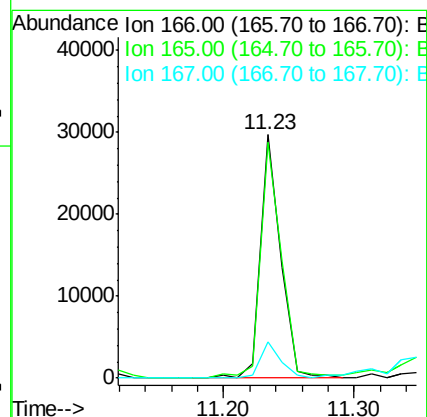
RT: 11.23 min Scan# 879

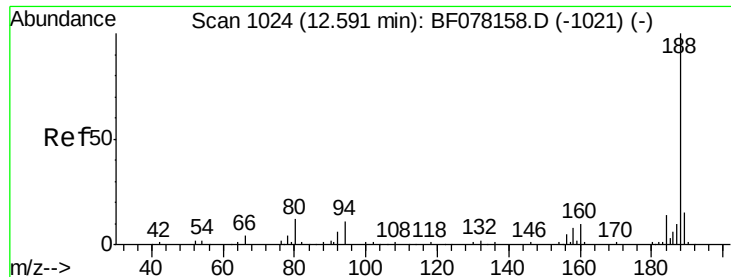
Delta R.T. -0.01 min

Lab File: BF078485.D

Acq: 14 Apr 2015 5:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.9	118.3
167	14.7	10.7	16.1





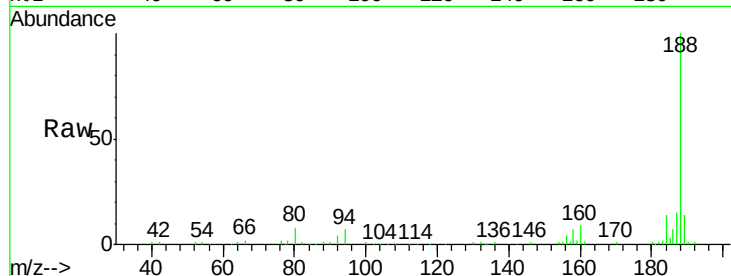
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF078485.D
 Acq: 14 Apr 2015 5:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-8DDL

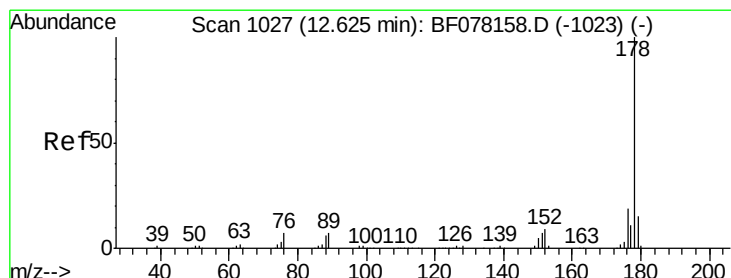
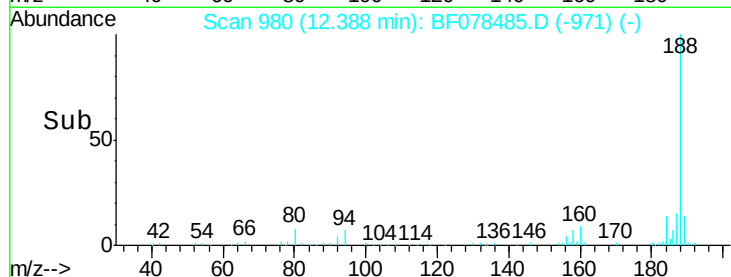
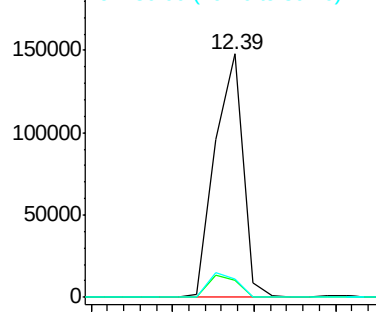
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.3	9.0	13.4#
80	7.7	9.5	14.3#

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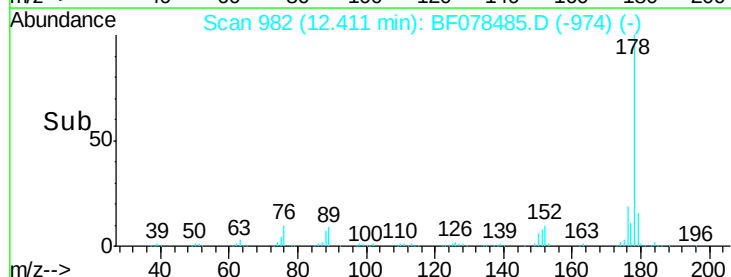
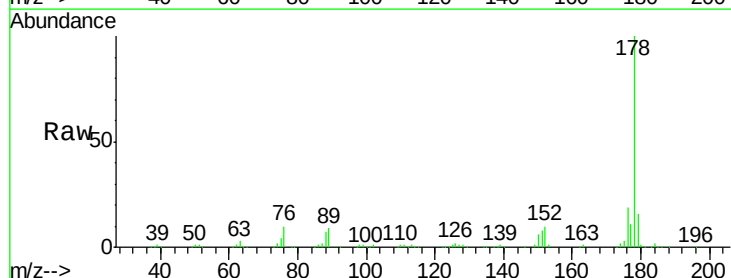
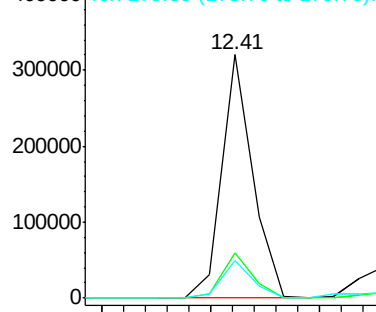
Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

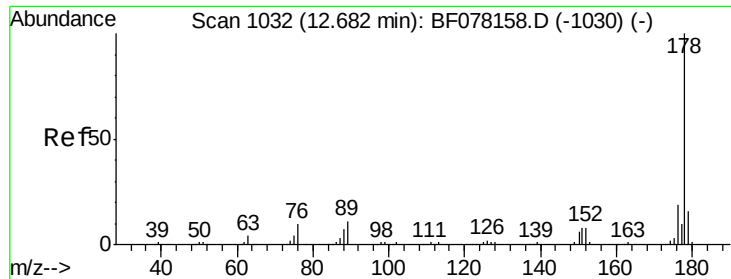


#70
 Phenanthrene
 Concen: 31.31 ng
 RT: 12.41 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF078485.D
 Acq: 14 Apr 2015 5:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	15.4	23.0
179	15.5	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





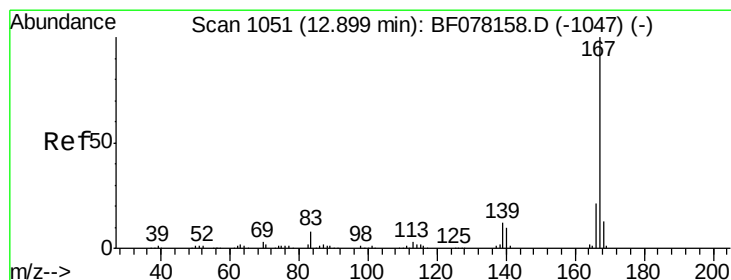
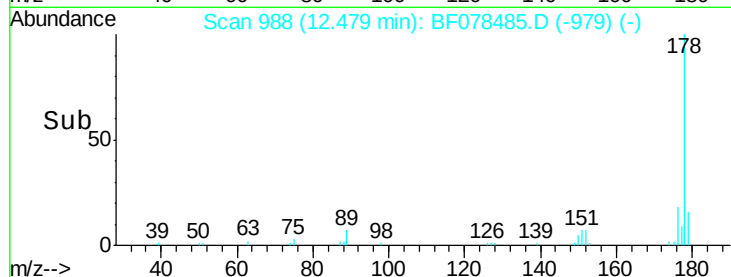
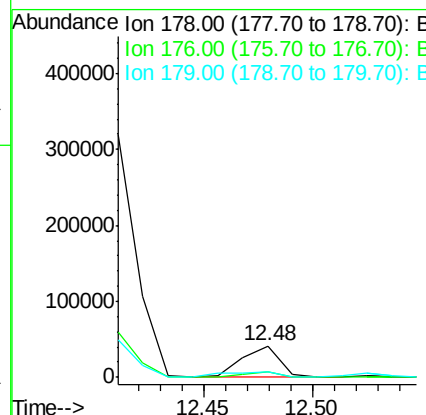
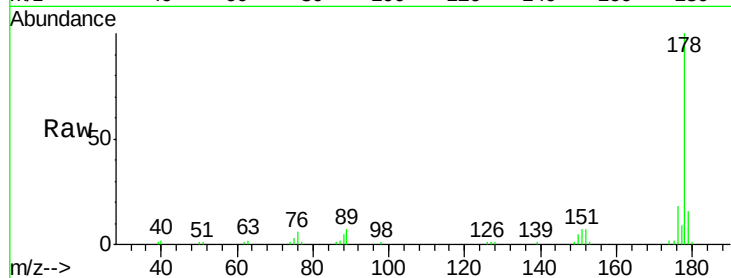
#71
 Anthracene
 Concen: 4.77 ng
 RT: 12.48 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: BF078485.D
 Acq: 14 Apr 2015 5:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-8DDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.8	22.2
179	16.4	12.4	18.6

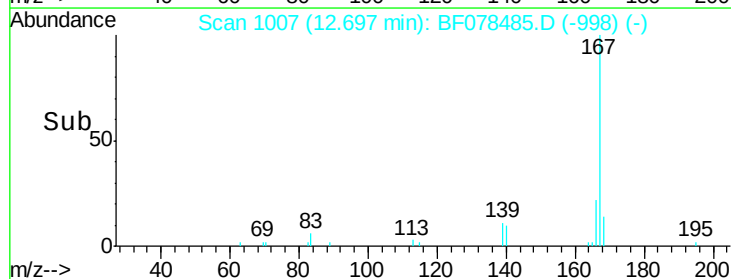
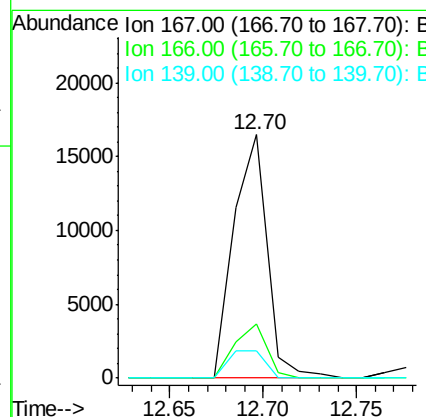
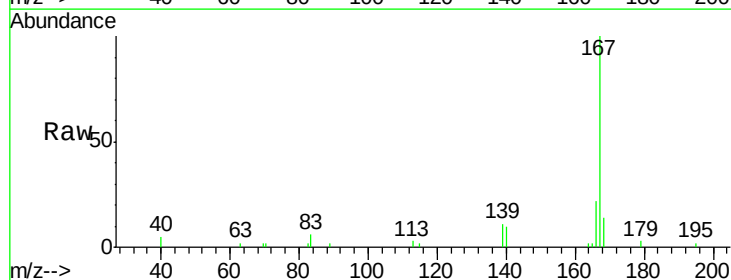
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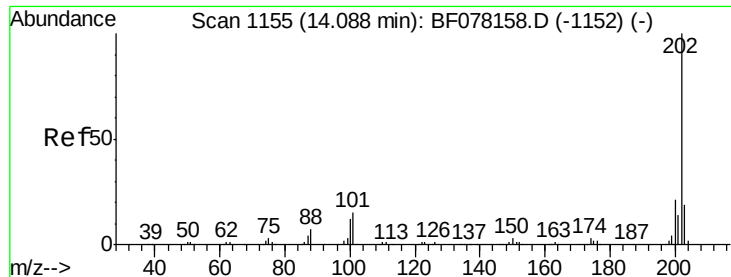
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#72
 Carbazole
 Concen: 2.21 ng
 RT: 12.70 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BF078485.D
 Acq: 14 Apr 2015 5:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	16.8	25.2
139	11.3	10.0	15.0





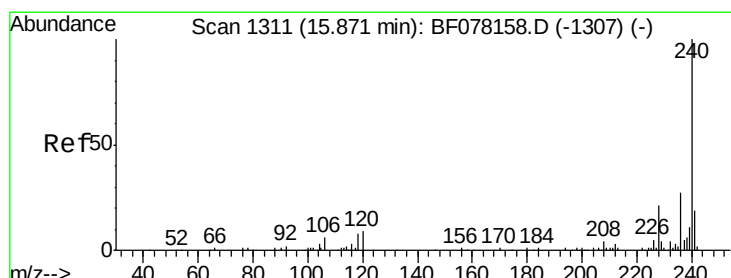
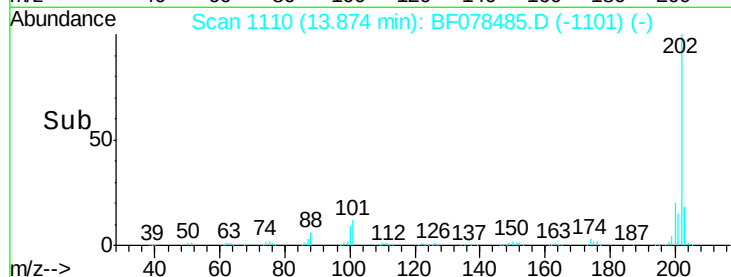
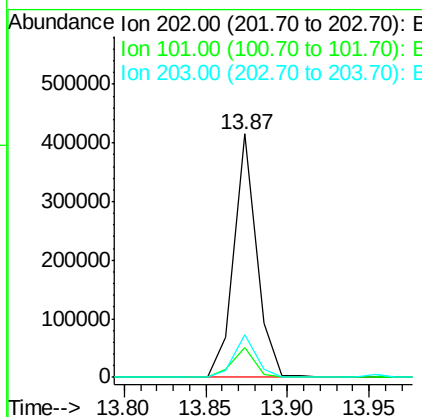
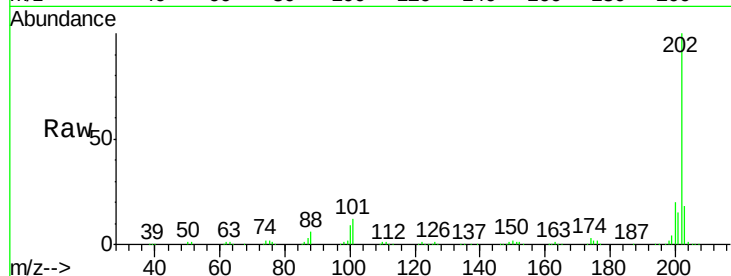
#74
 Fluoranthene
 Concen: 37.13 ng
 RT: 13.87 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BF078485.D
 Acq: 14 Apr 2015 5:08

Instrument :
 BNA_F
 ClientSampled :
 SB-8DDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.2	0.0	35.2
203	17.5	0.0	38.5

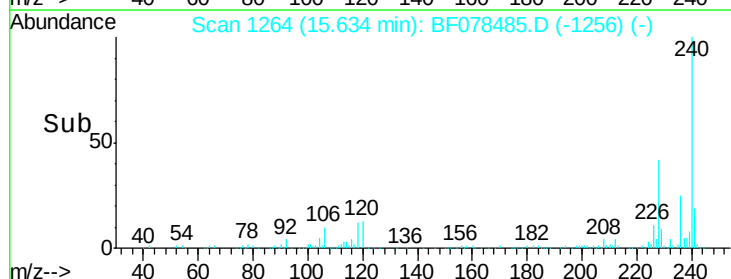
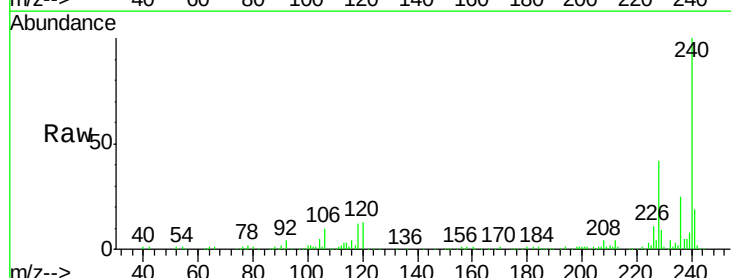
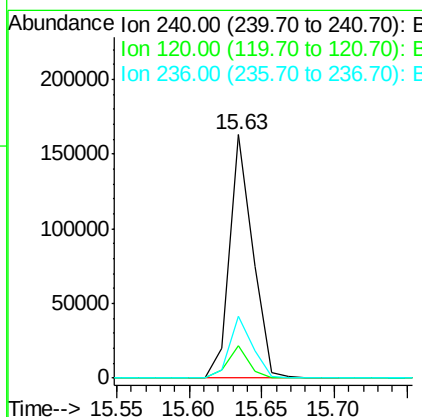
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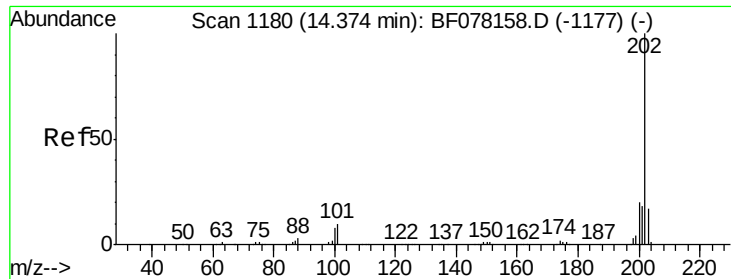
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.63 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF078485.D
 Acq: 14 Apr 2015 5:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.5	7.1	10.7#
236	25.3	21.4	32.2





#77

Pyrene

Concen: 34.44 ng

RT: 14.15 min Scan# 1134

Delta R.T. -0.00 min

Lab File: BF078485.D

Acq: 14 Apr 2015 5:08

Instrument :

BNA_F

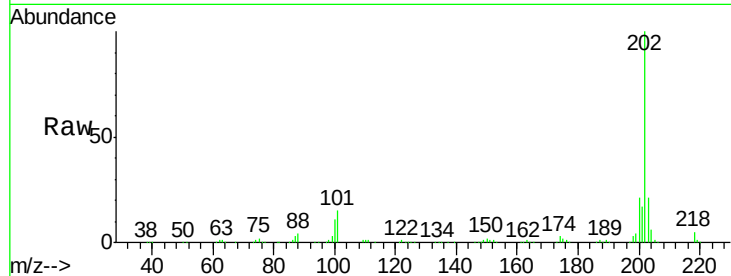
ClientSampled :

SB-8DDL

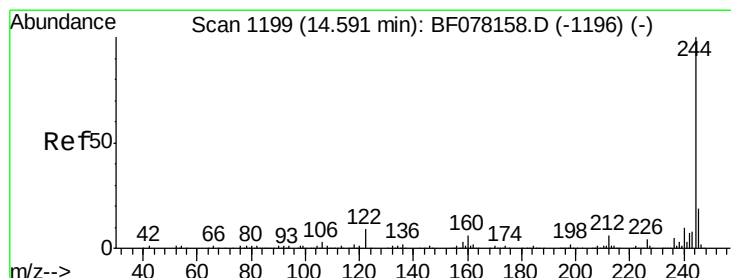
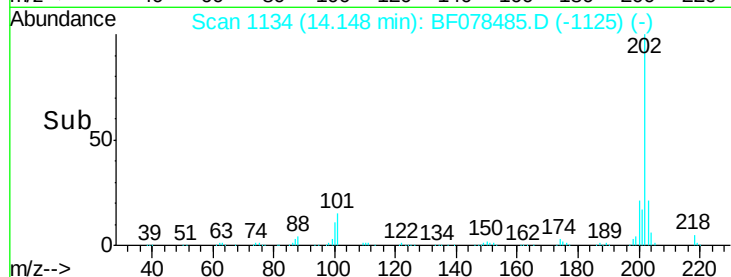
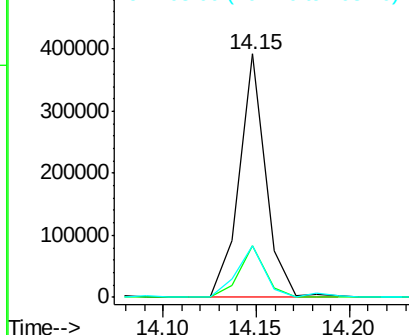
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		391702		
200	21.2	16.3	24.5		
203	21.4	13.8	20.6		

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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: 10.76 ng

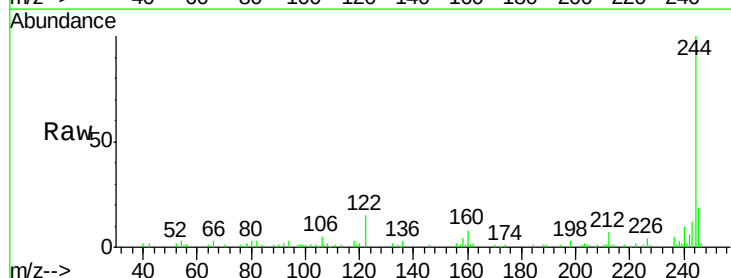
RT: 14.37 min Scan# 1153

Delta R.T. -0.01 min

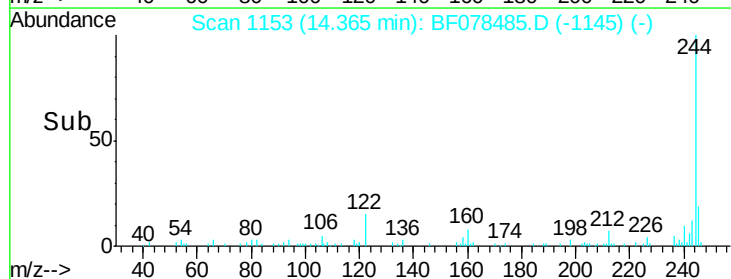
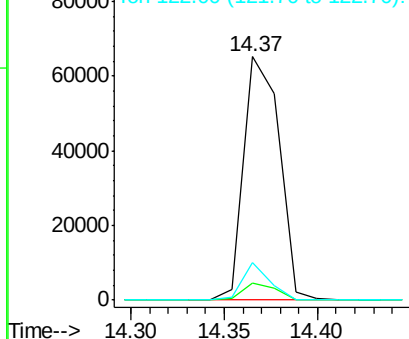
Lab File: BF078485.D

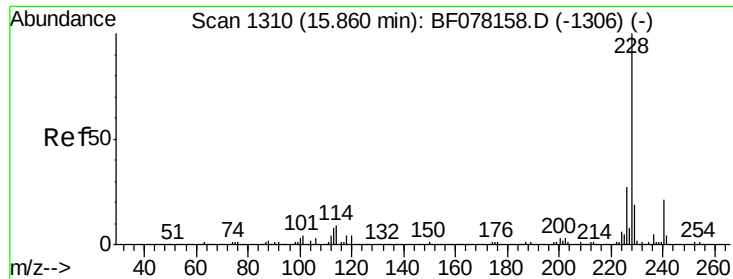
Acq: 14 Apr 2015 5:08

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		86302		
212	6.9	5.0	7.4		
122	15.3	7.1	10.7		



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





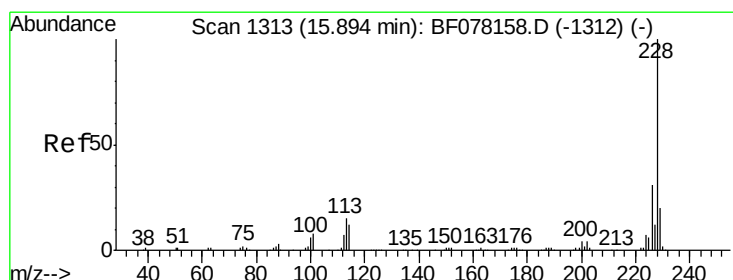
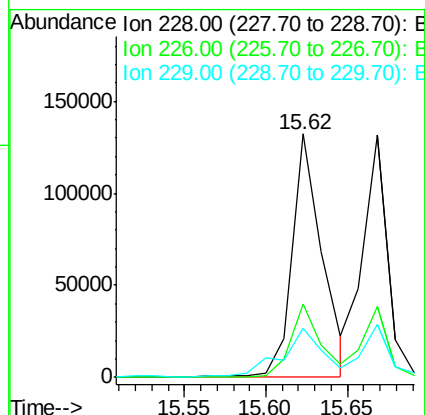
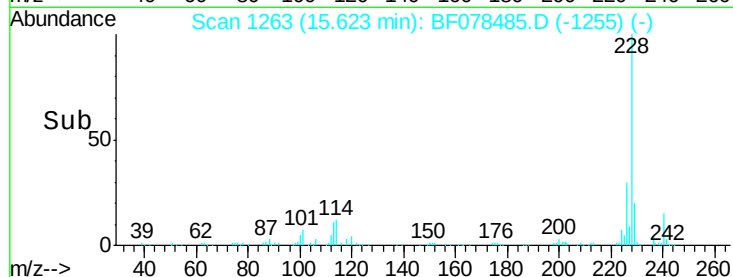
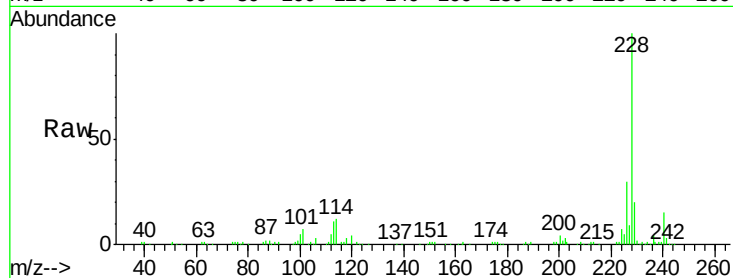
#80
Benzo(a)anthracene
Concen: 15.89 ng
RT: 15.62 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF078485.D
Acq: 14 Apr 2015 5:08

Instrument :
BNA_F
ClientSampleId :
SB-8DDL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	171258		
226	30.3	21.3	31.9	
229	20.4	15.4	23.2	

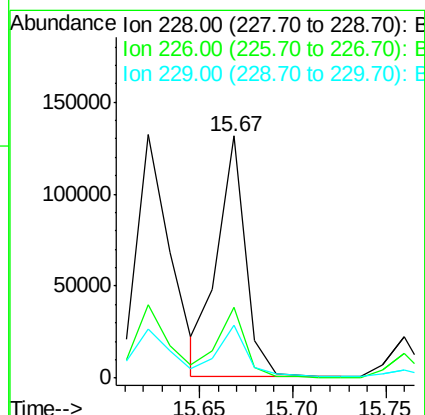
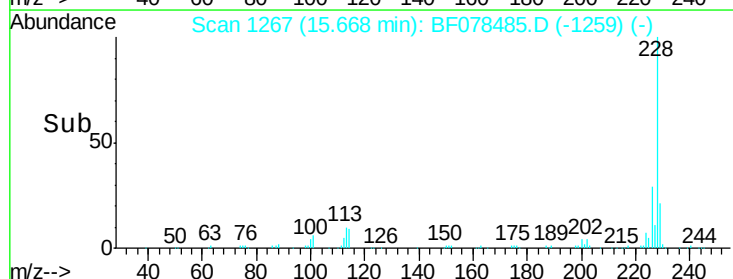
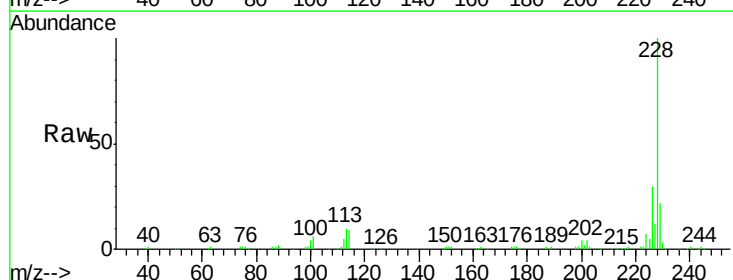
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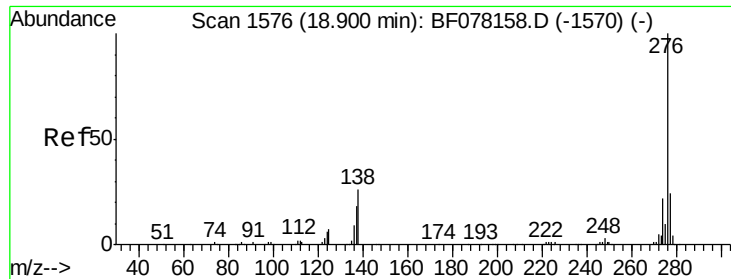
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#82
Chrysene
Concen: 13.60 ng
RT: 15.67 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF078485.D
Acq: 14 Apr 2015 5:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	137737		
226	29.5	24.2	36.4	
229	21.6	15.8	23.8	





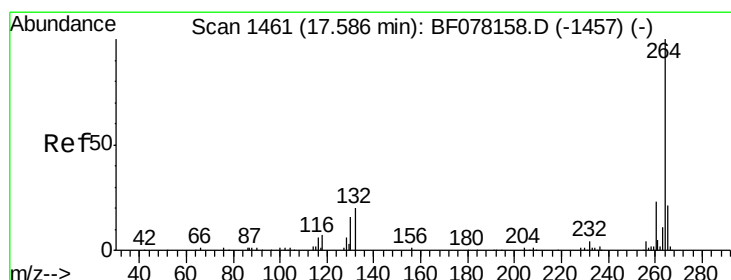
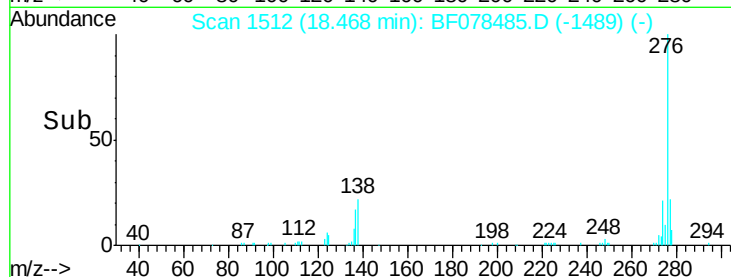
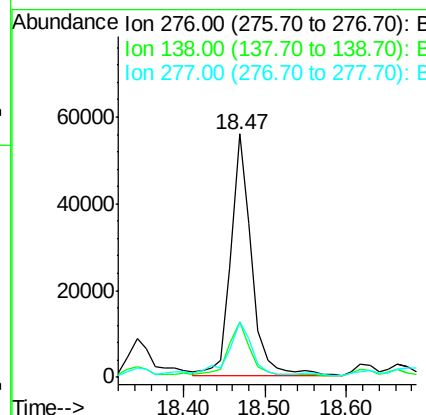
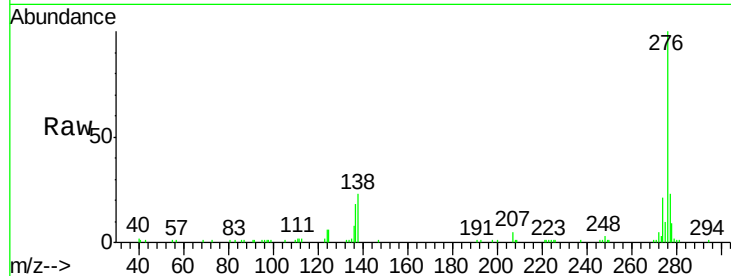
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.50 ng
 RT: 18.47 min Scan# 1512
 Delta R.T. -0.03 min
 Lab File: BF078485.D
 Acq: 14 Apr 2015 5:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-8DDL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	16.9	25.3
277	28.0	15.8	23.6

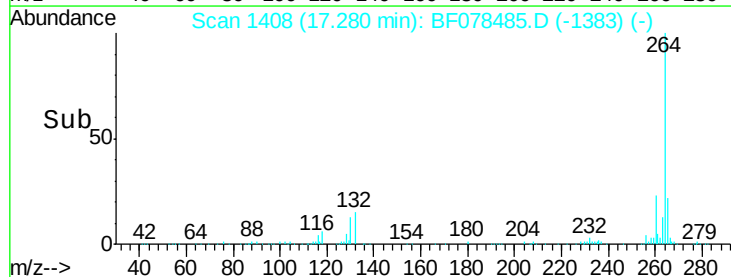
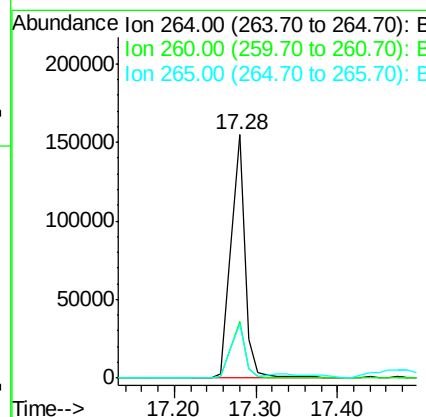
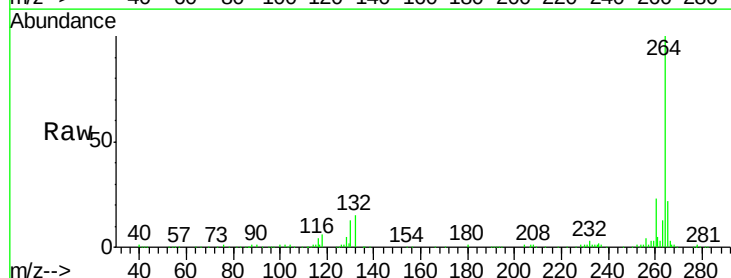
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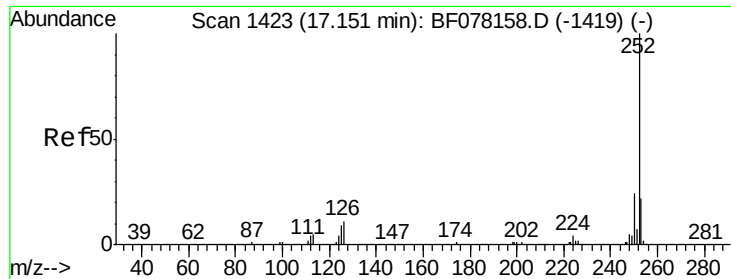
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.28 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: BF078485.D
 Acq: 14 Apr 2015 5:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	22.4	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 15.88 ng m

RT: 16.87 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BF078485.D

Acq: 14 Apr 2015 5:08

Instrument :

BNA_F

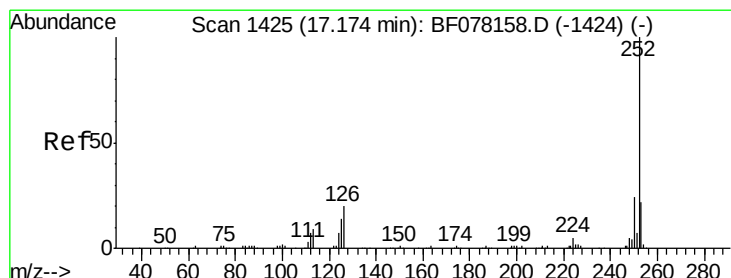
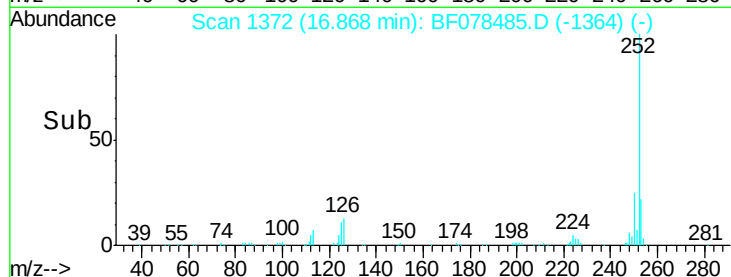
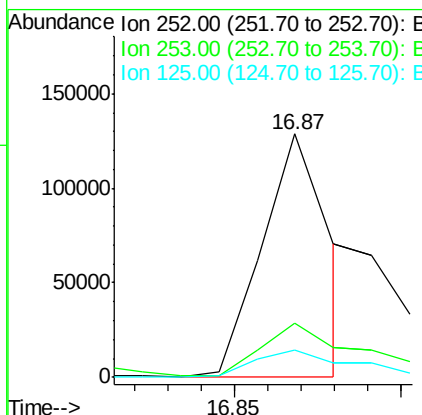
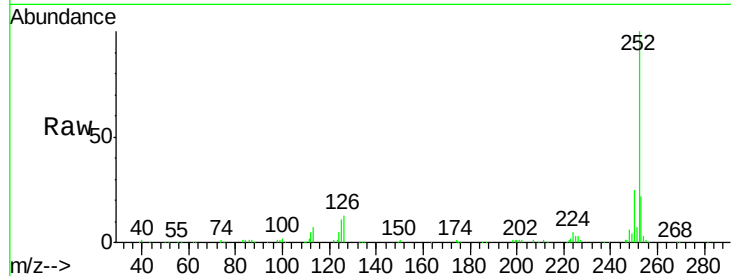
ClientSampleId :

SB-8DDL

Tgt Ion:	252	Resp:	181177
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	11.5	7.0	10.4#

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#88

Benzo(k)fluoranthene

Concen: 7.04 ng m

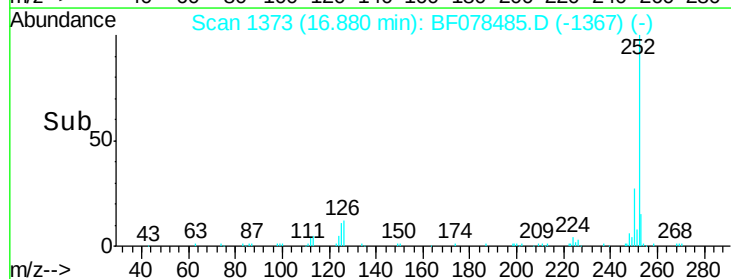
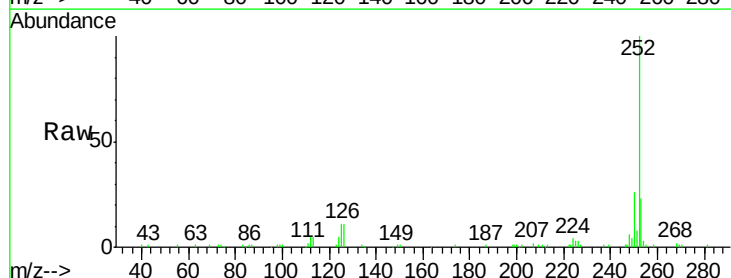
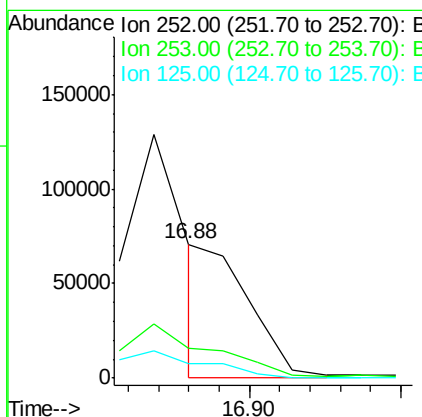
RT: 16.88 min Scan# 1373

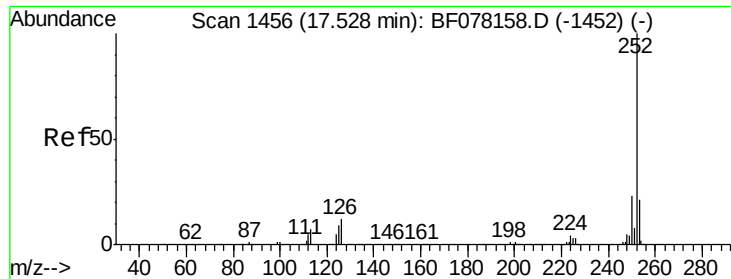
Delta R.T. -0.03 min

Lab File: BF078485.D

Acq: 14 Apr 2015 5:08

Tgt Ion:	252	Resp:	71417
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.5	26.3
125	10.9	11.6	17.4#





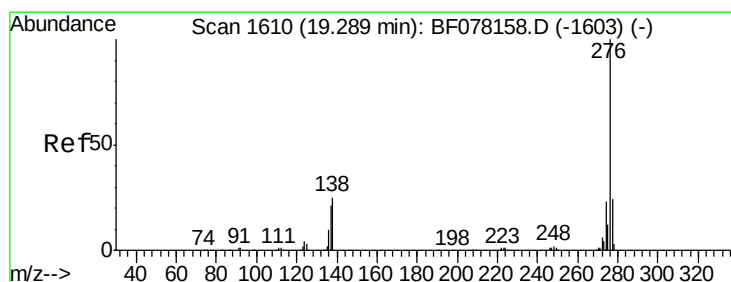
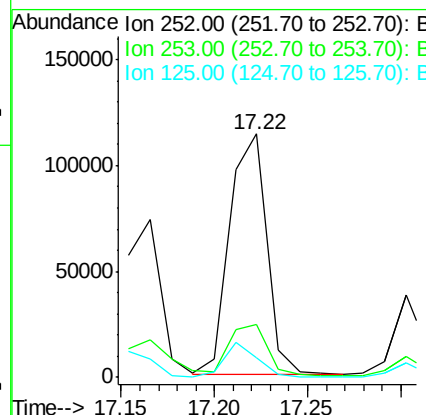
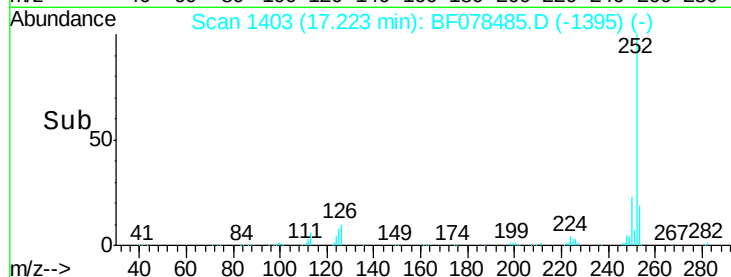
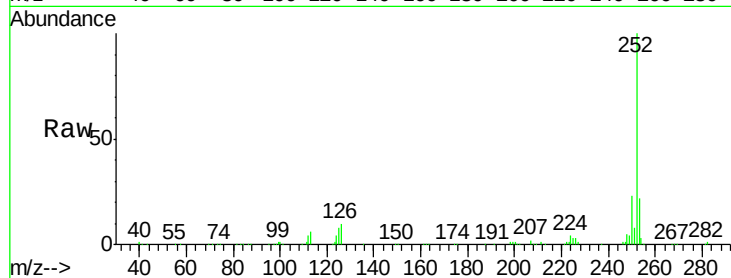
#89
Benzo(a)pyrene
Concen: 15.83 ng
RT: 17.22 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF078485.D
Acq: 14 Apr 2015 5:08

Instrument :
BNA_F
ClientSampleId :
SB-8DDL

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	157561		
253	21.6	16.8	25.2	
125	8.2	7.4	11.0	

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#91
Benzo(g,h,i)perylene
Concen: 9.60 ng
RT: 18.81 min Scan# 1542
Delta R.T. -0.03 min
Lab File: BF078485.D
Acq: 14 Apr 2015 5:08

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	95931		
277	23.4	19.0	28.4	
138	23.7	19.9	29.9	

