

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
 Data File : BF078433.D
 Acq On : 11 Apr 2015 9:52
 Operator : TP/IZ
 Sample : G1793-09DL2 20X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6DADL2

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Quant Time: Apr 13 03:43:00 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	31710	20.00	ng	0.01
21) Naphthalene-d8	8.44	136	140862	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	71242	20.00	ng	0.00
63) Phenanthrene-d10	12.42	188	142379	20.00	ng	0.00
75) Chrysene-d12	15.69	240	156206	20.00	ng	0.01
86) Perylene-d12	17.38	264	159320	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	3158	1.64	ng	0.02
7) Phenol-d6	6.46	99	5086	2.11	ng	0.01
23) Nitrobenzene-d5	7.56	82	3321	1.43	ng	0.00
41) 2,4,6-Tribromophenol	11.57	330	2216	3.75	ng	0.01
44) 2-Fluorobiphenyl	9.78	172	10608	2.13	ng	0.00
78) Terphenyl-d14	14.41	244	16131	2.33	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.46	128	340088	46.39	ng	99
37) 2-Methylnaphthalene	9.32	142	85830	17.24	ng	99
45) 1,1'-Biphenyl	9.90	154	29245	5.02	ng	98
48) Acenaphthylene	10.42	152	23869	3.22	ng	# 95
51) Acenaphthene	10.64	154	74612	17.90	ng	100
54) Dibenzofuran	10.85	168	46115	7.24	ng	91
57) Fluorene	11.28	166	79711	15.45	ng	99
70) Phenanthrene	12.45	178	356165	43.25	ng	100
71) Anthracene	12.51	178	121264	14.94	ng	99
74) Fluoranthene	13.92	202	200776	23.12	ng	93
77) Pyrene	14.19	202	199996	20.40	ng	98
80) Benzo(a)anthracene	15.67	228	89990m	9.68	ng	
82) Chrysene	15.71	228	67645	7.75	ng	99
85) Indeno(1,2,3-cd)pyrene	18.61	276	25031m	2.53	ng	
87) Benzo(b)fluoranthene	16.95	252	69777m	7.09	ng	
88) Benzo(k)fluoranthene	16.98	252	19748m	2.26	ng	
89) Benzo(a)pyrene	17.31	252	60715	7.07	ng	# 92
91) Benzo(g,h,i)perylene	18.97	276	24083m	2.79	ng	

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

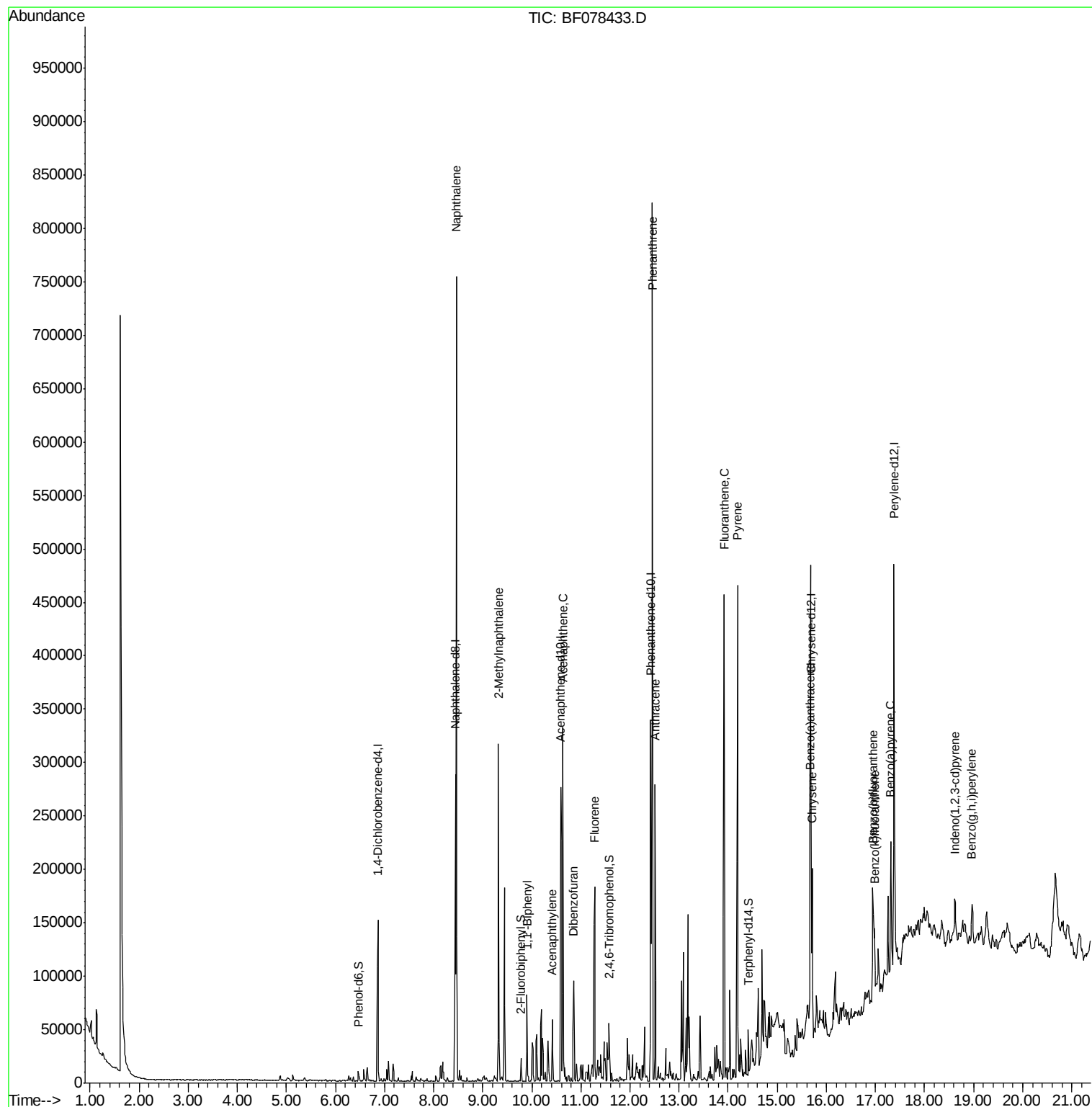
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078433.D
Acq On : 11 Apr 2015 9:52
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Sample : G1793-09DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

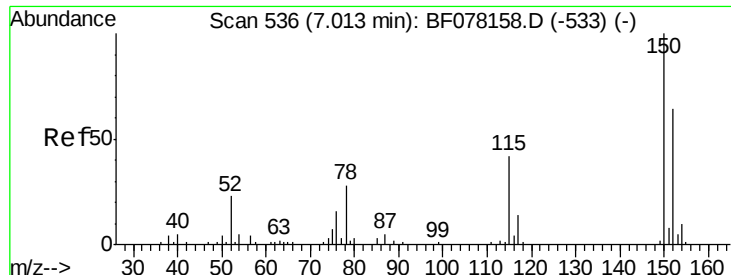
Instrument :
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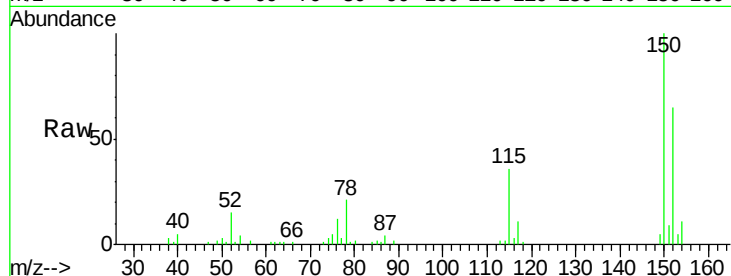
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 02:33:18 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: BF078433.D
 Acq: 11 Apr 2015 9:52

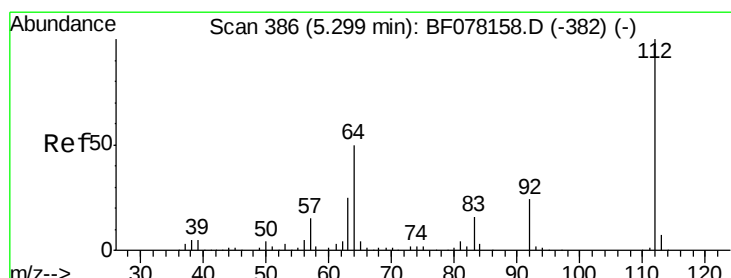
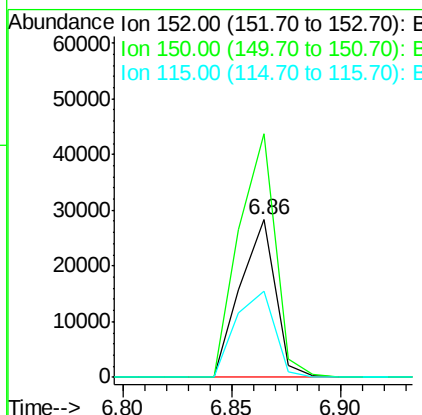
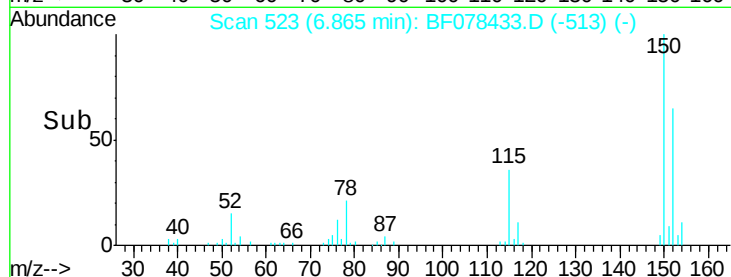
Instrument :
 BNA_F
 ClientSampleId :
 SB-6DADL2



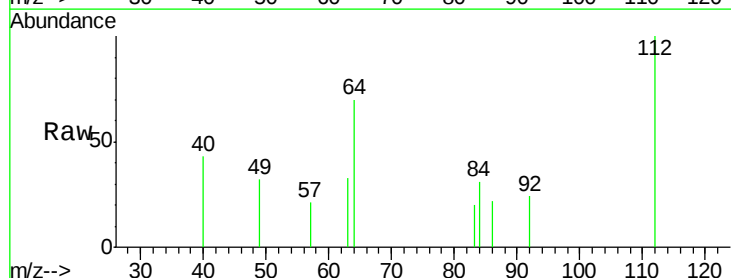
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.9	188.9
115	55.0	52.7	79.1

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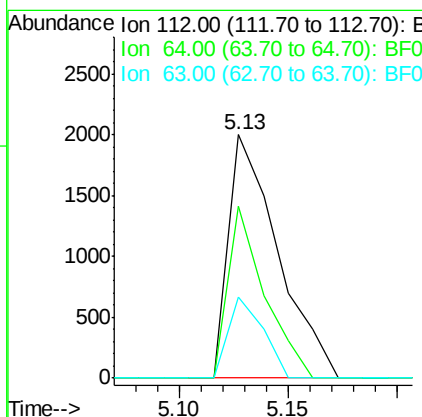
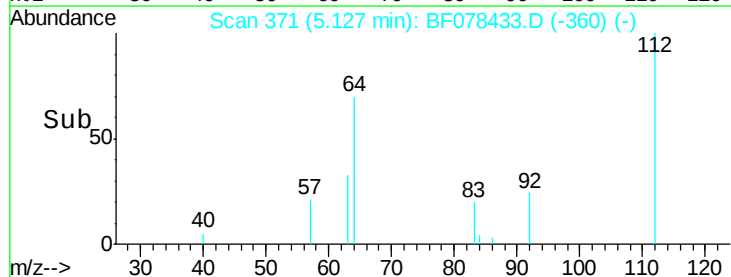
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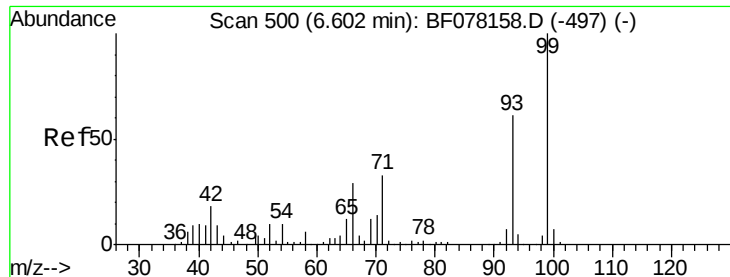


#5
 2-Fluorophenol
 Concen: 1.64 ng
 RT: 5.13 min Scan# 371
 Delta R.T. 0.02 min
 Lab File: BF078433.D
 Acq: 11 Apr 2015 9:52



Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	39.9	59.9#
63	33.2	20.2	30.4#





#7

Phenol-d6

Concen: 2.11 ng

RT: 6.46 min Scan# 488

Delta R.T. 0.01 min

Lab File: BF078433.D

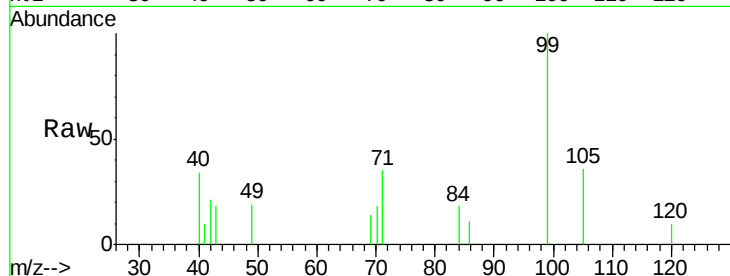
Acq: 11 Apr 2015 9:52

Instrument :

BNA_F

ClientSampleId :

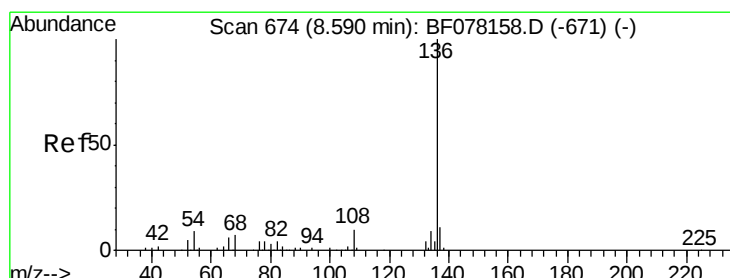
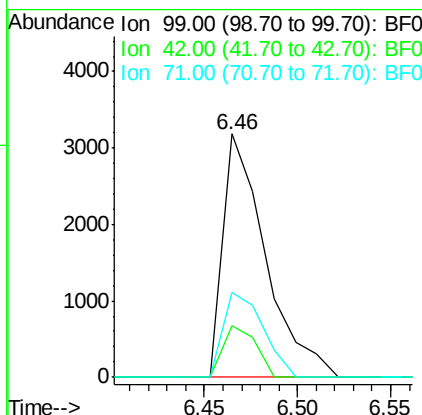
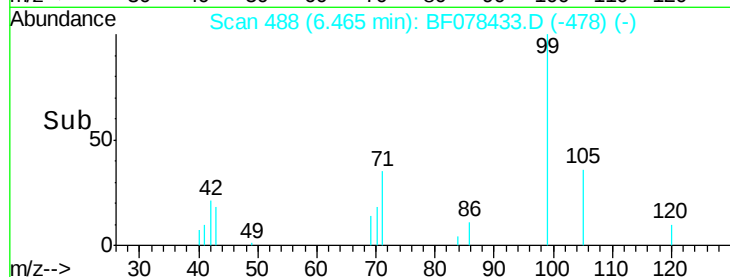
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Tgt Ion:	99	Resp:	5086
Ion Ratio	Lower	Upper	
99	100		
42	21.2	14.8	22.2
71	34.9	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

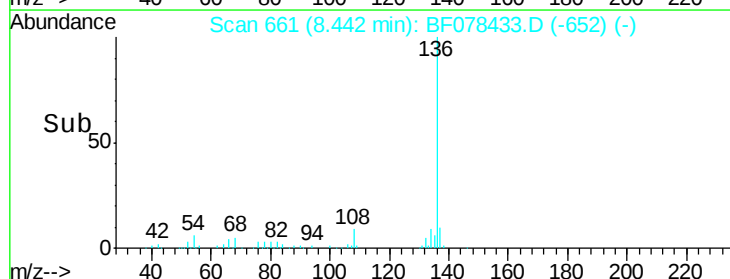
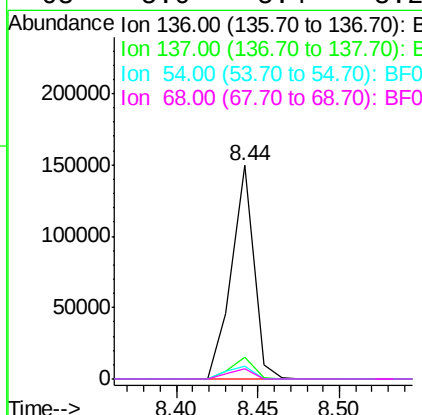
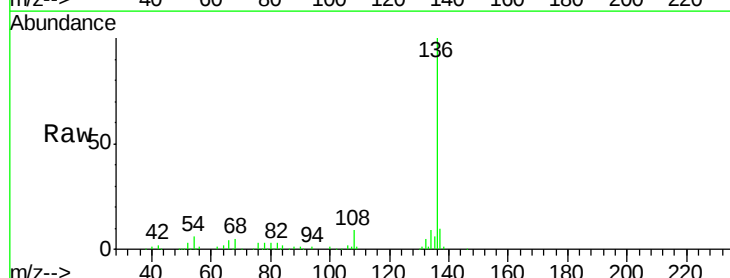
RT: 8.44 min Scan# 661

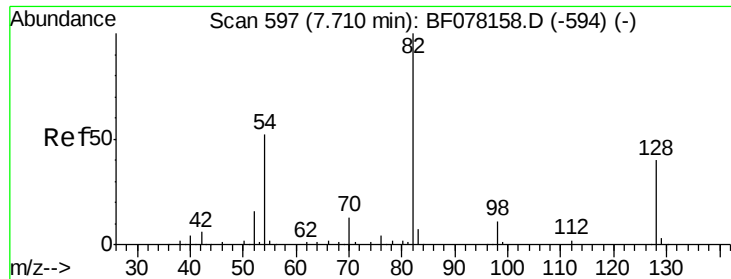
Delta R.T. 0.00 min

Lab File: BF078433.D

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Tgt Ion:	136	Resp:	140862
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.0	13.4
54	6.2	7.0	10.6#
68	5.0	5.4	8.2#





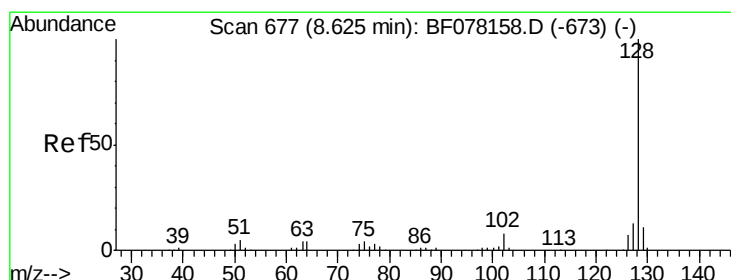
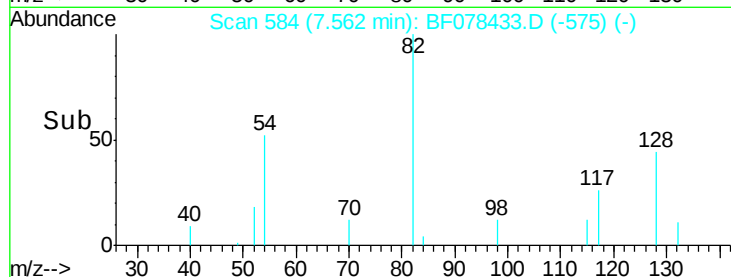
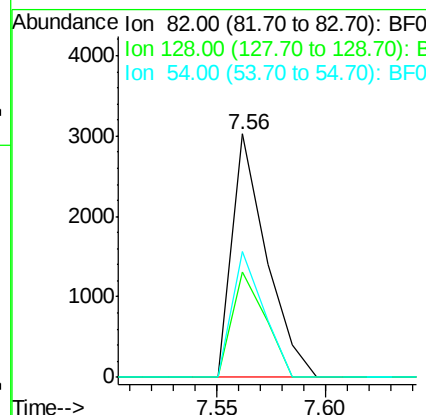
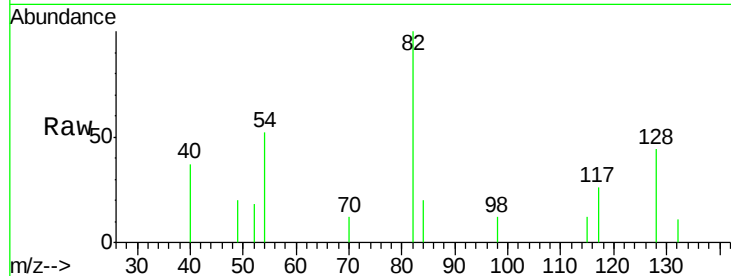
#23
 Nitrobenzene-d5
 Concen: 1.43 ng
 RT: 7.56 min Scan# 584
 Delta R.T. 0.00 min
 Lab File: BF078433.D
 Acq: 11 Apr 2015 9:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-6DADL2

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	3321		
128	43.5	31.8	47.8	
54	51.5	41.5	62.3	

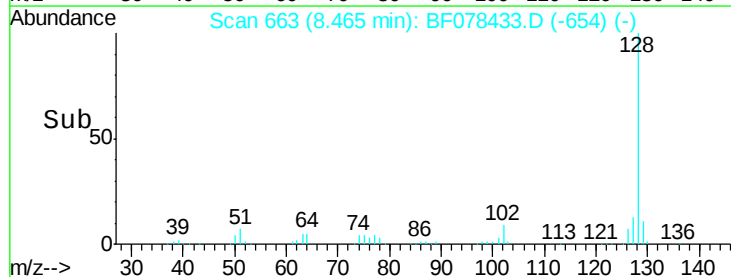
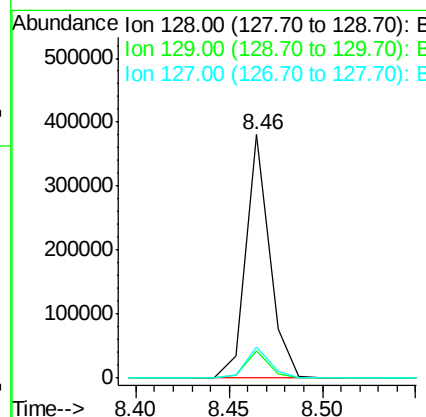
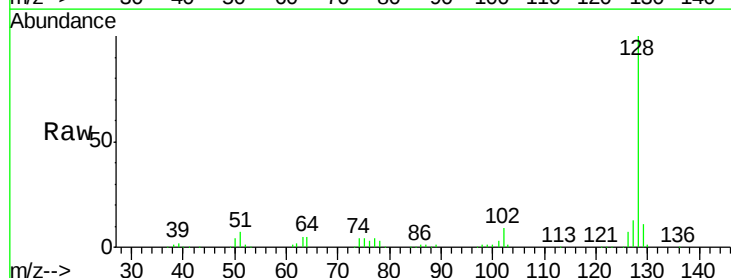
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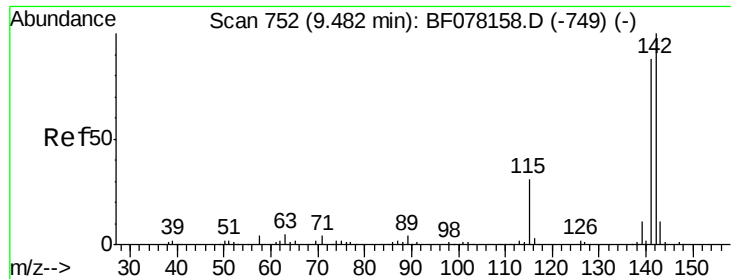
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#31
 Naphthalene
 Concen: 46.39 ng
 RT: 8.46 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF078433.D
 Acq: 11 Apr 2015 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	340088		
129	11.0	8.6	12.8	
127	13.0	10.7	16.1	





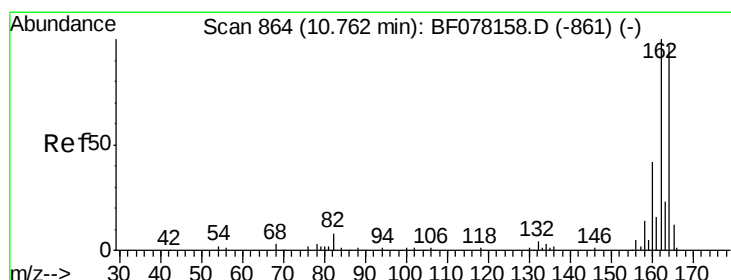
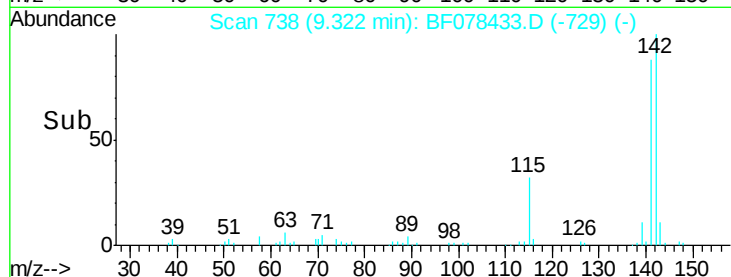
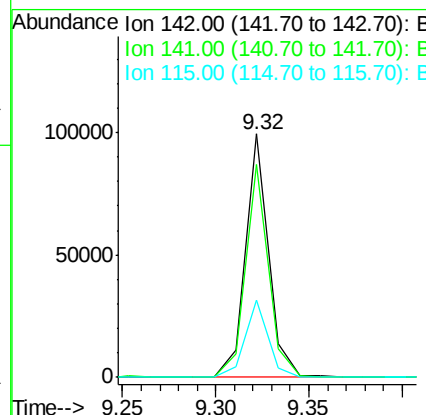
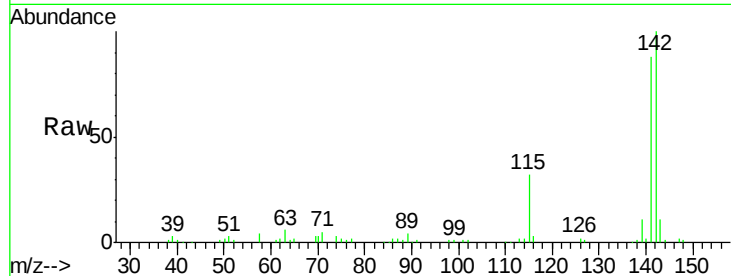
#37
 2-Methylnaphthalene
 Concen: 17.24 ng
 RT: 9.32 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078433.D
 Acq: 11 Apr 2015 9:52

Instrument :
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 ClientSampleId :
 SB-6DADL2

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	85830		
141	87.6	70.3	105.5	
115	31.5	24.6	37.0	

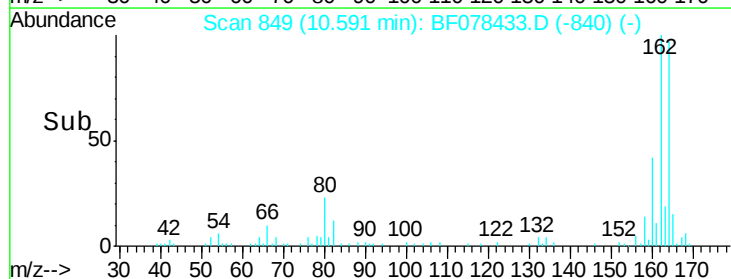
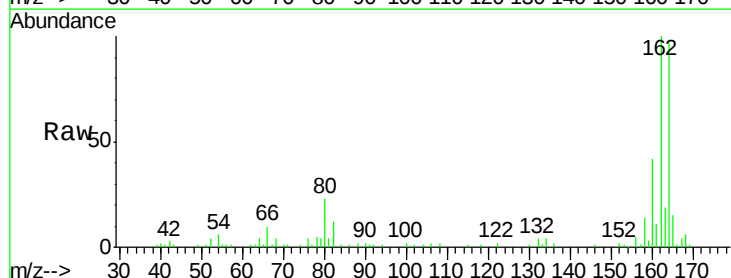
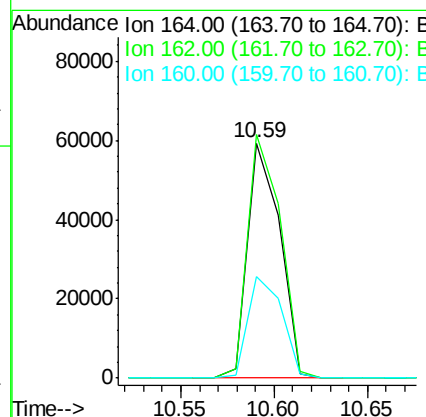
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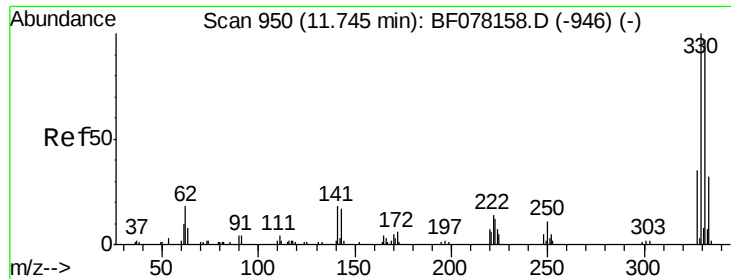
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.59 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: BF078433.D
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71242		
162	103.5	82.2	123.2	
160	43.3	34.7	52.1	





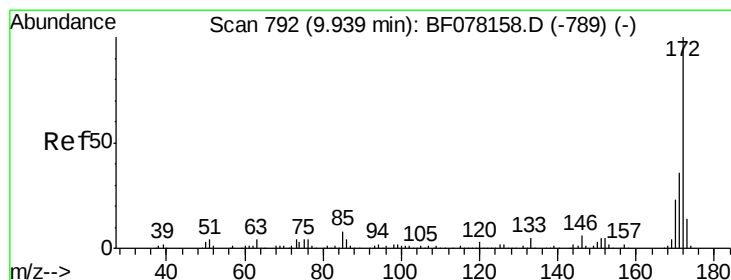
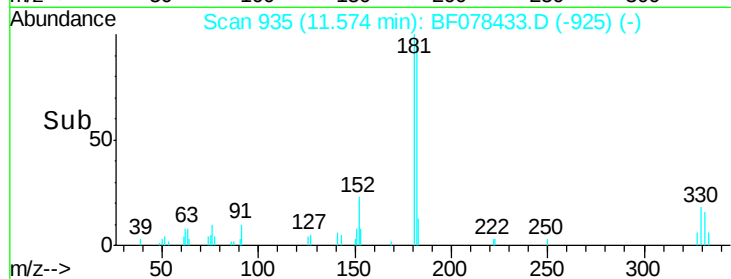
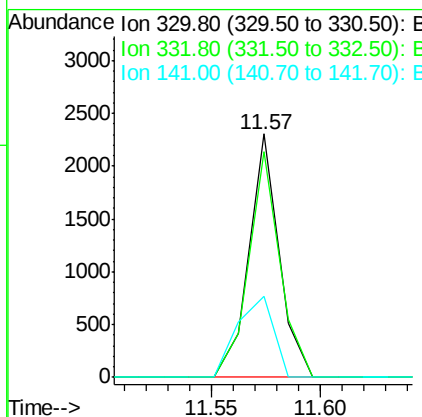
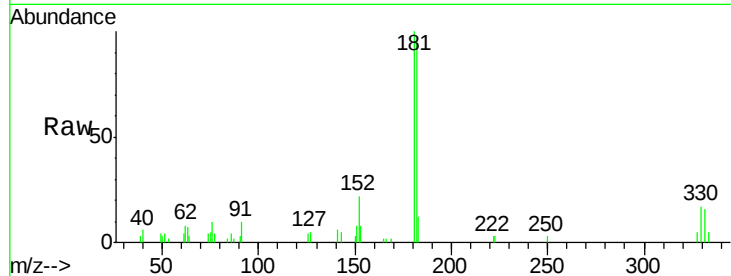
#41
 2,4,6-Tribromophenol
 Concen: 3.75 ng
 RT: 11.57 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: BF078433.D
 Acq: 11 Apr 2015 9:52

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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.6	117.8
141	40.0	31.2	46.8

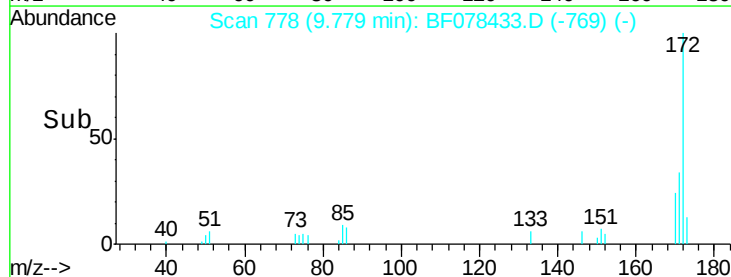
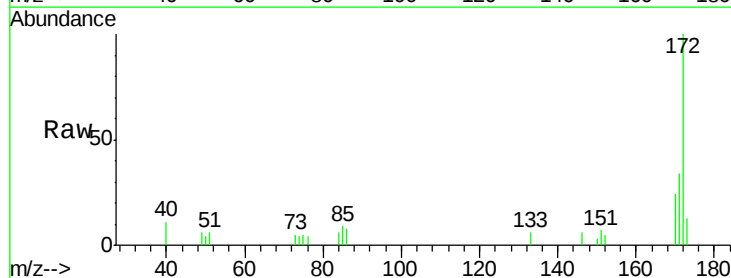
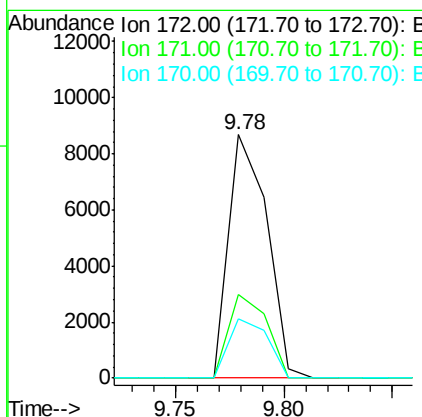
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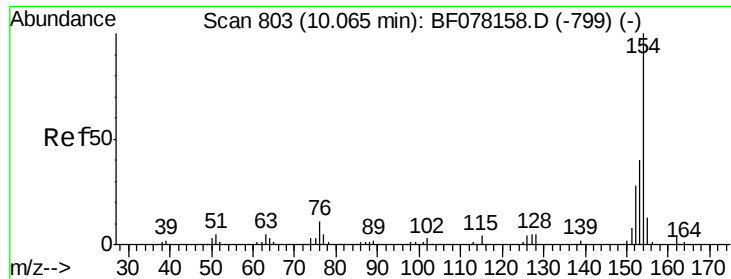
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#44
 2-Fluorobiphenyl
 Concen: 2.13 ng
 RT: 9.78 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BF078433.D
 Acq: 11 Apr 2015 9:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.6	42.8
170	24.5	18.5	27.7





#45

1,1'-Biphenyl

Concen: 5.02 ng

RT: 9.90 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF078433.D

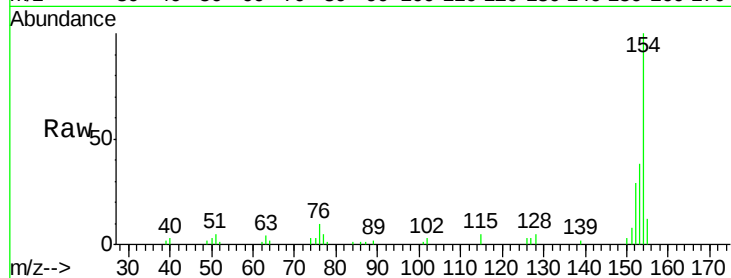
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Instrument :

BNA_F

ClientSampleId :

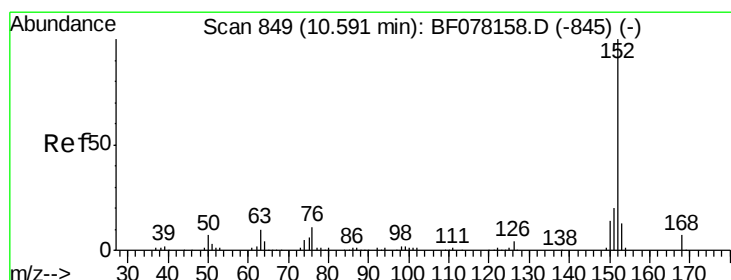
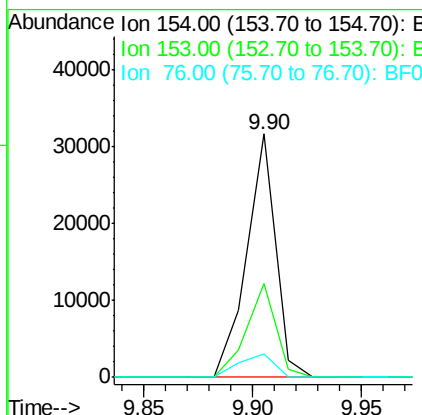
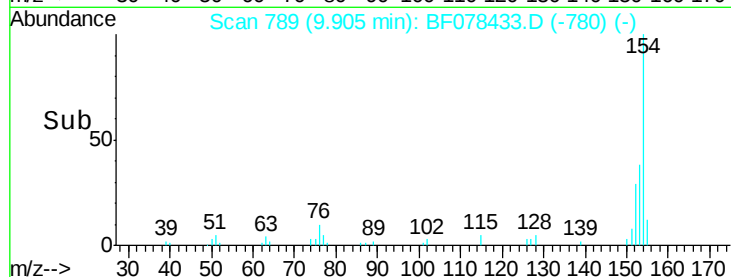
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Tgt Ion:	154	Resp:	29245
Ion Ratio	Lower	Upper	
154	100		
153	38.5	20.0	60.0
76	9.6	0.0	30.6

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#48

Acenaphthylene

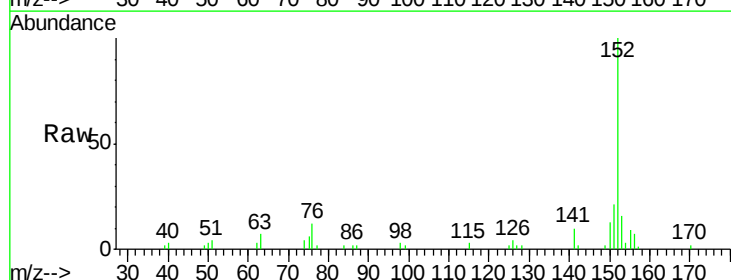
Concen: 3.22 ng

RT: 10.42 min Scan# 834

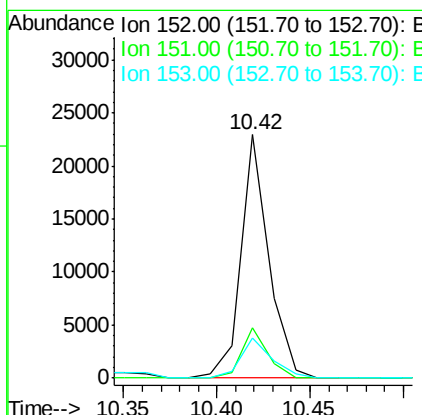
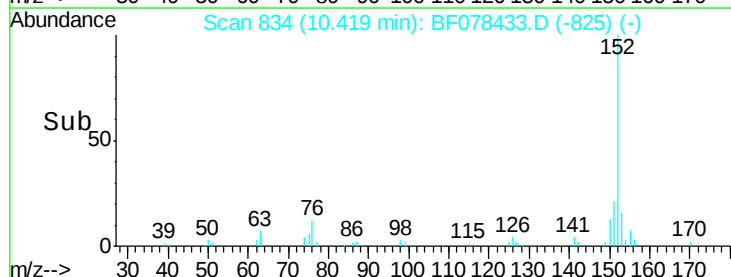
Delta R.T. 0.00 min

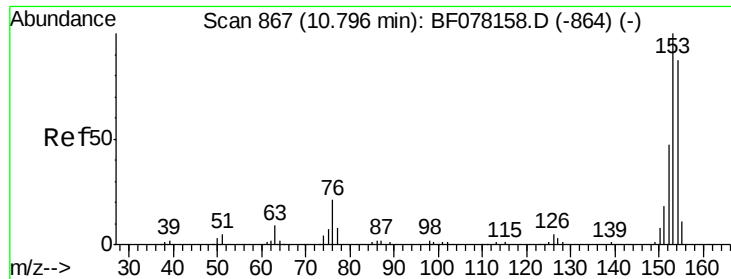
Lab File: BF078433.D

Acq: 11 Apr 2015 9:52



Tgt Ion:	152	Resp:	23869
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.7	23.5
153	16.2	10.2	15.2#





#51

Acenaphthene

Concen: 17.90 ng

RT: 10.64 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF078433.D

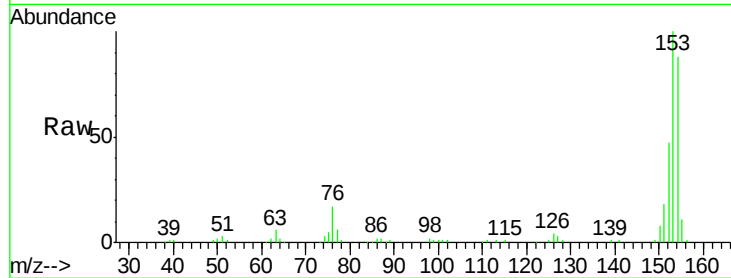
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Instrument :

BNA_F

ClientSampleId :

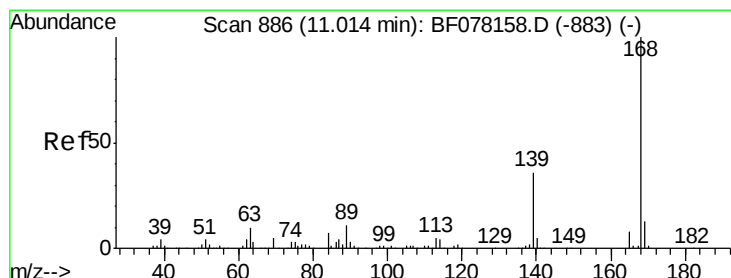
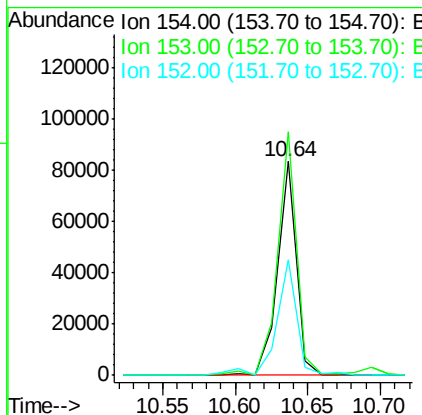
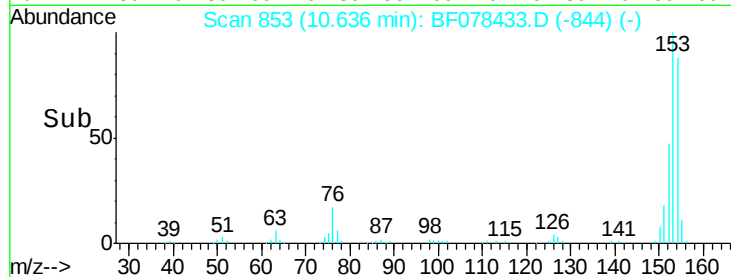
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Tgt Ion:	154	Resp:	74612
Ion Ratio	Lower	Upper	
154	100		
153	113.7	91.4	137.2
152	54.0	43.0	64.6

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#54

Dibenzofuran

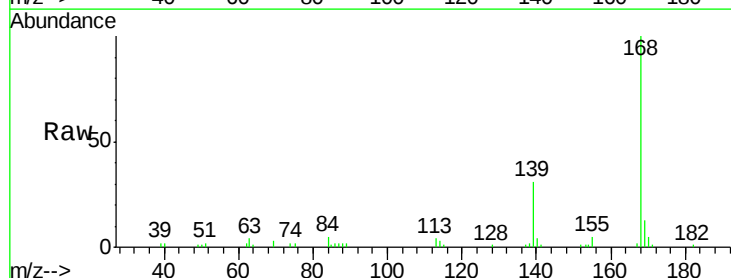
Concen: 7.24 ng

RT: 10.85 min Scan# 872

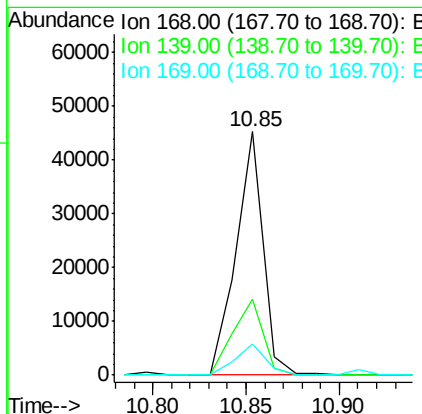
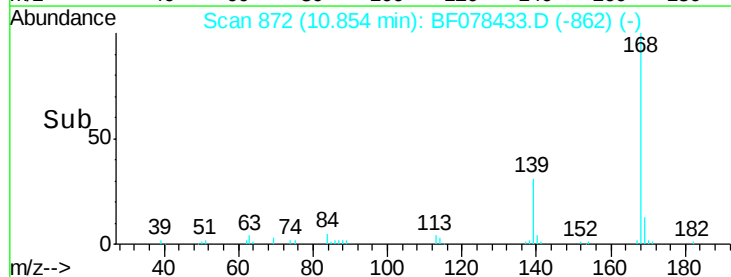
Delta R.T. 0.01 min

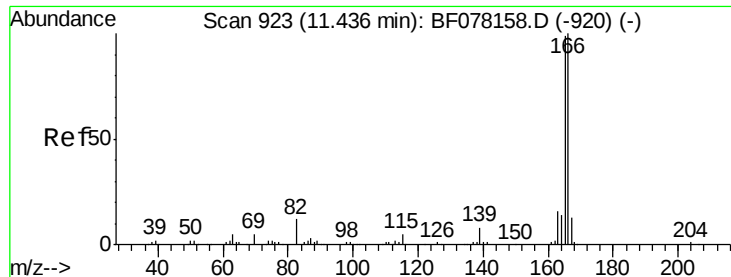
Lab File: BF078433.D

Acq: 11 Apr 2015 9:52



Tgt Ion:	168	Resp:	46115
Ion Ratio	Lower	Upper	
168	100		
139	31.4	31.0	46.4
169	13.0	10.7	16.1





#57

Fluorene

Concen: 15.45 ng

RT: 11.28 min Scan# 909

Delta R.T. 0.01 min

Lab File: BF078433.D

Acq: 11 Apr 2015 9:52

Instrument :

BNA_F

ClientSampleId :

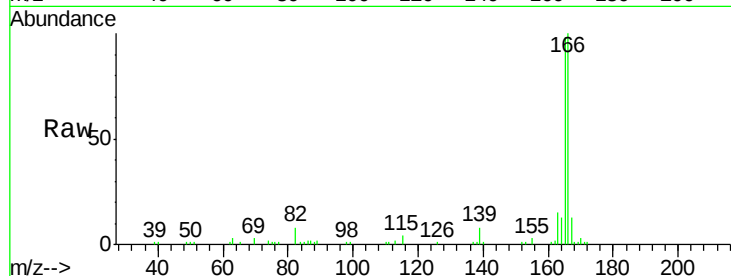
SB-6DADL2

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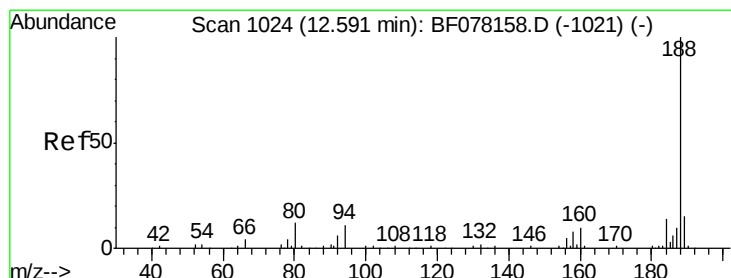
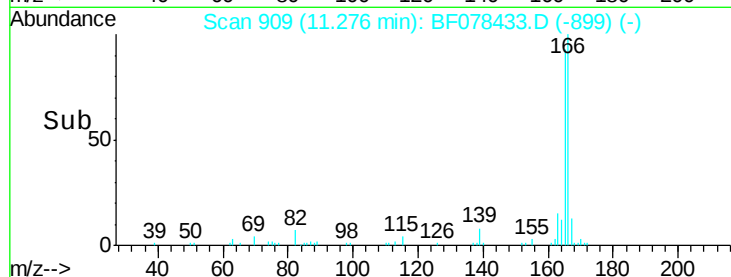
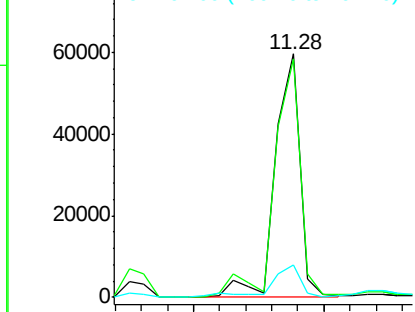
apatel

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Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.9	118.3
167	13.4	10.7	16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

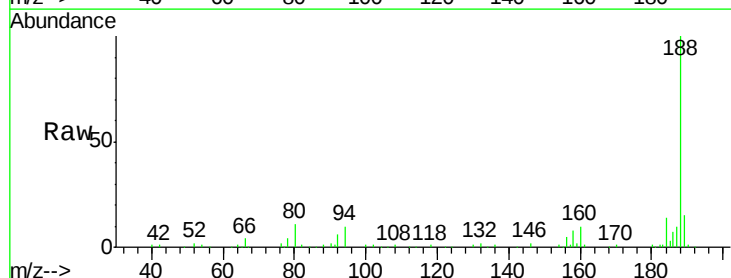
RT: 12.42 min Scan# 1009

Delta R.T. 0.00 min

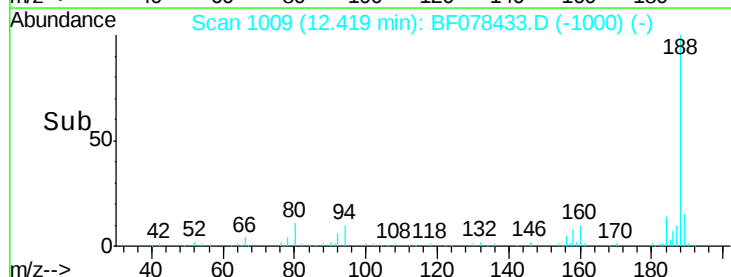
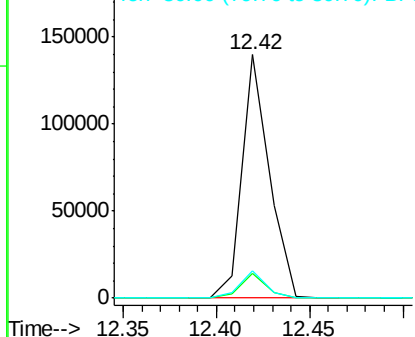
Lab File: BF078433.D

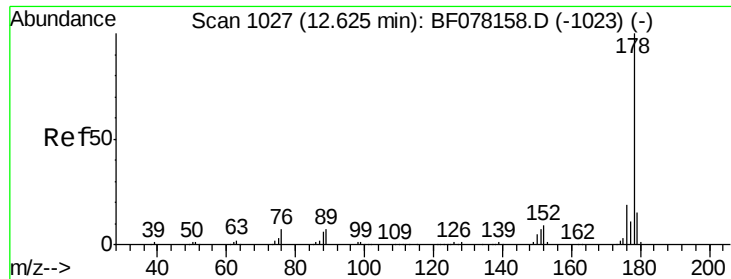
Acq: 11 Apr 2015 9:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.0	13.4
80	11.1	9.5	14.3



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





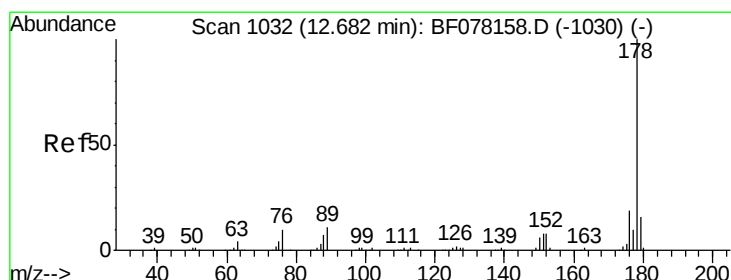
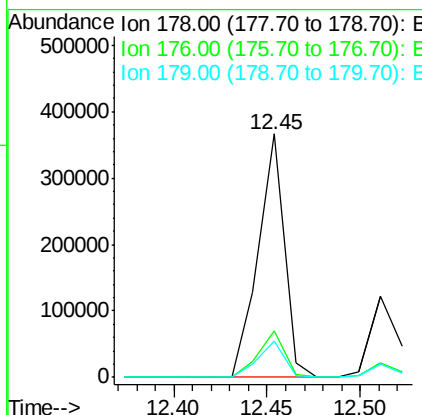
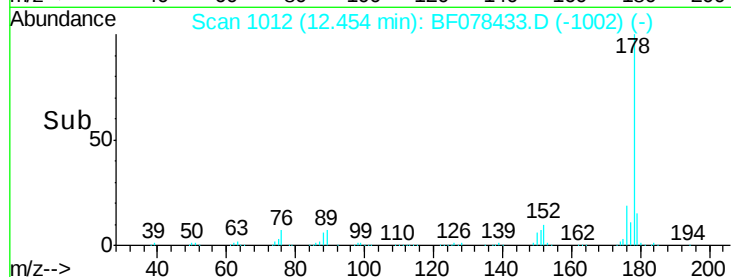
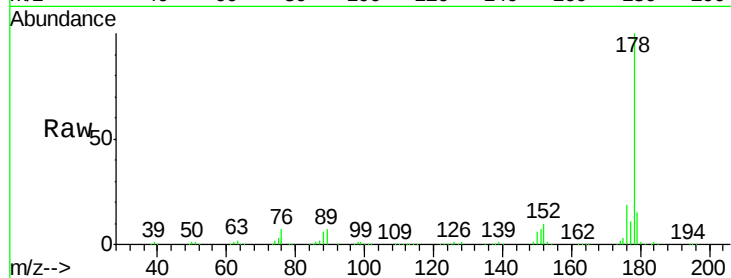
#70
Phenanthrene
Concen: 43.25 ng
RT: 12.45 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF078433.D
Acq: 11 Apr 2015 9:52

Instrument :
BNA_F
ClientSampleId :
SB-6DADL2

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.1	15.4	23.0
179	15.1	12.2	18.2

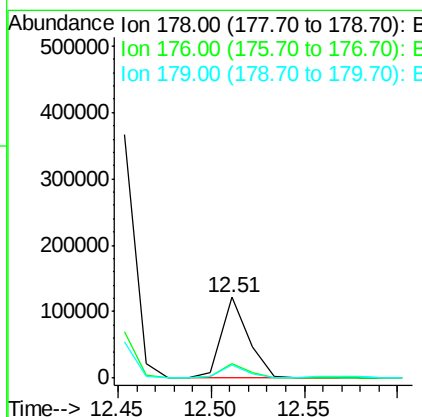
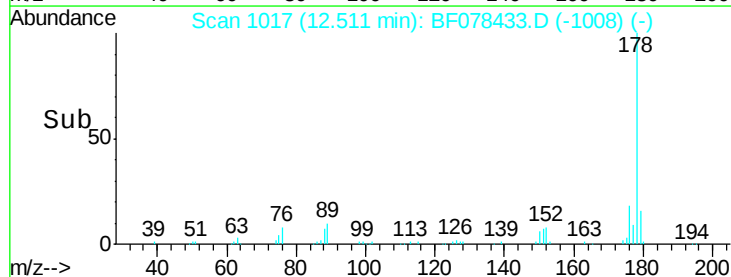
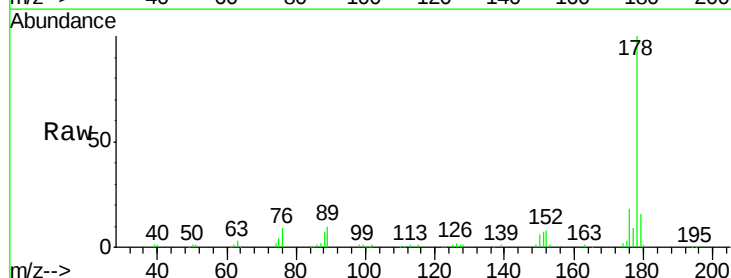
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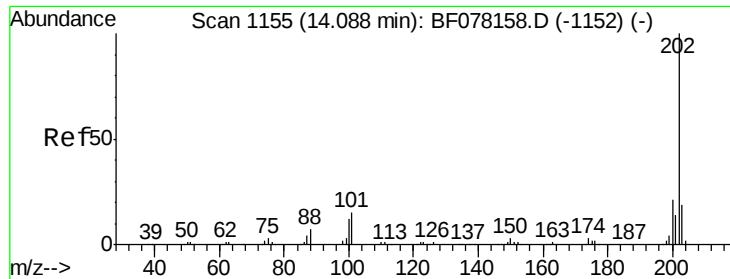
apatel
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#71
Anthracene
Concen: 14.94 ng
RT: 12.51 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF078433.D
Acq: 11 Apr 2015 9:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.4	14.8	22.2
179	15.9	12.4	18.6





#74

Fluoranthene

Concen: 23.12 ng

RT: 13.92 min Scan# 1140

Delta R.T. 0.01 min

Lab File: BF078433.D

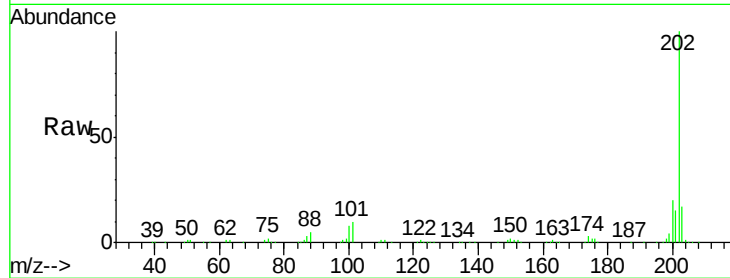
Acq: 11 Apr 2015 9:52

Instrument :

BNA_F

ClientSampleId :

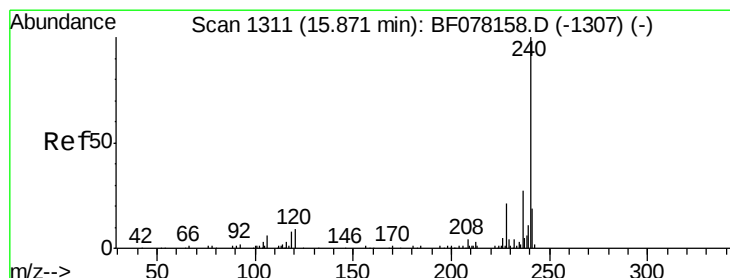
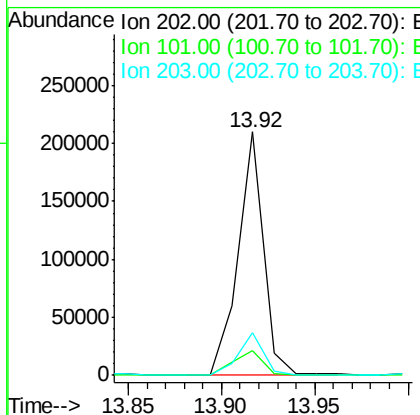
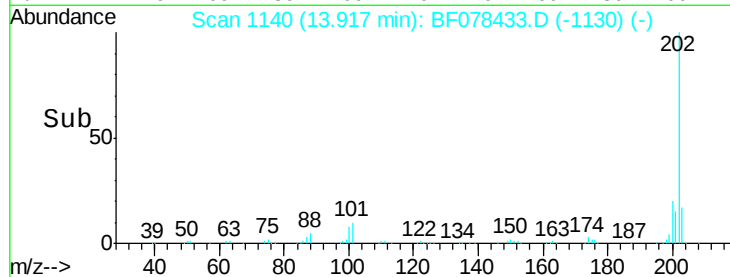
SB-6DADL2



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	200776		
101	10.1	0.0	35.2	
203	17.5	0.0	38.5	

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#75

Chrysene-d12

Concen: 20.00 ng

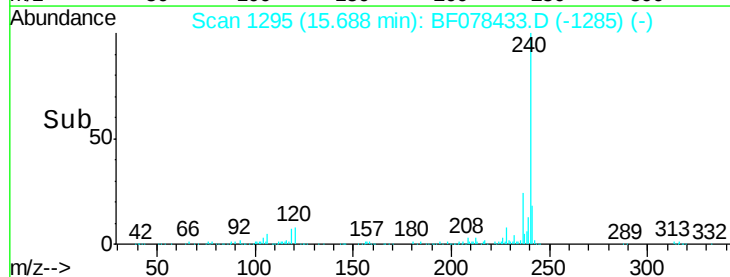
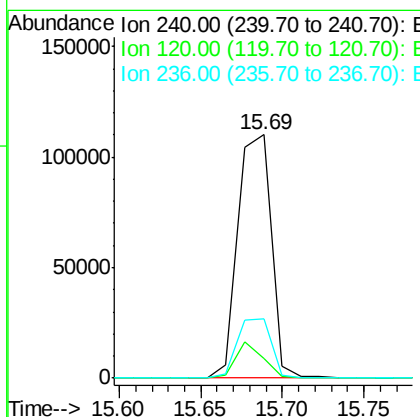
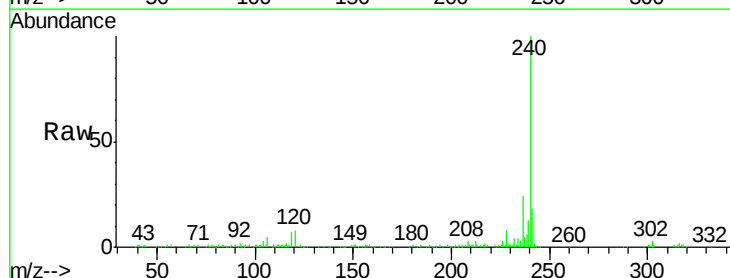
RT: 15.69 min Scan# 1295

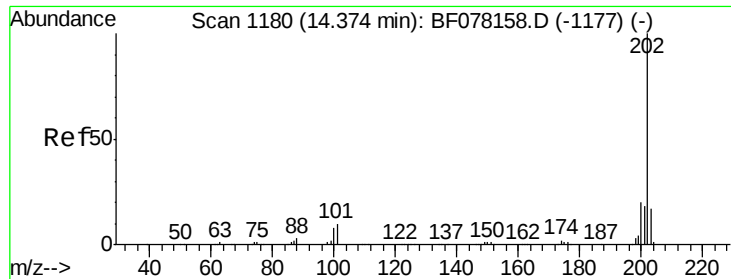
Delta R.T. 0.01 min

Lab File: BF078433.D

Acq: 11 Apr 2015 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	156206		
120	7.9	7.1	10.7	
236	24.3	21.4	32.2	





#77

Pyrene

Concen: 20.40 ng

RT: 14.19 min Scan# 1164

Delta R.T. 0.01 min

Lab File: BF078433.D

Acq: 11 Apr 2015 9:52

Instrument :

BNA_F

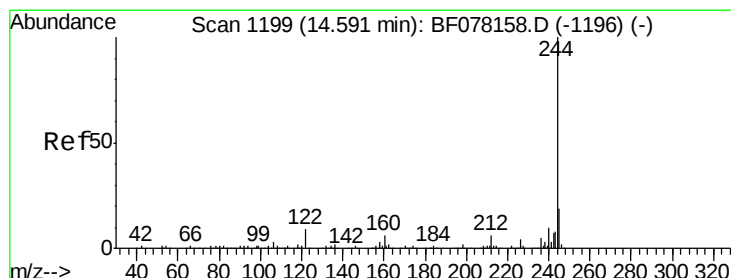
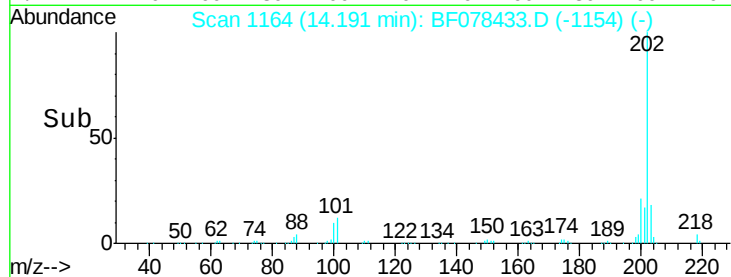
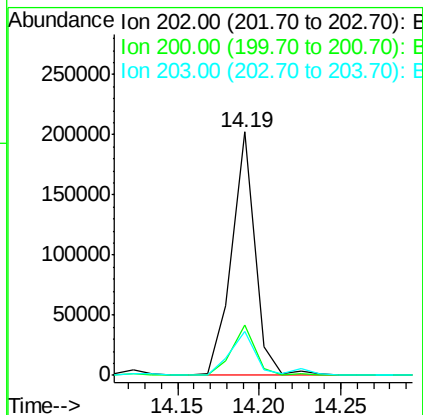
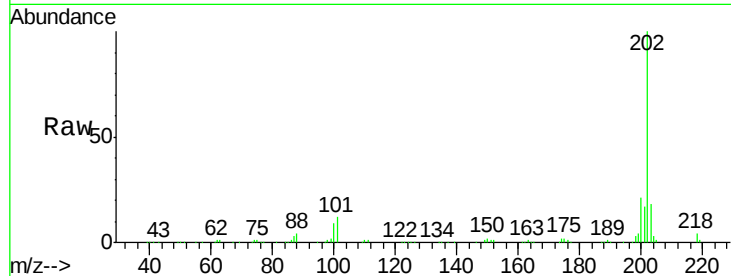
ClientSampleId :

SB-6DADL2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.9	16.3	24.5
203	18.2	13.8	20.6

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#78

Terphenyl-d14

Concen: 2.33 ng

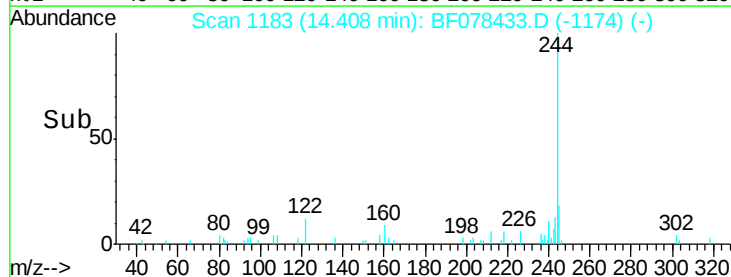
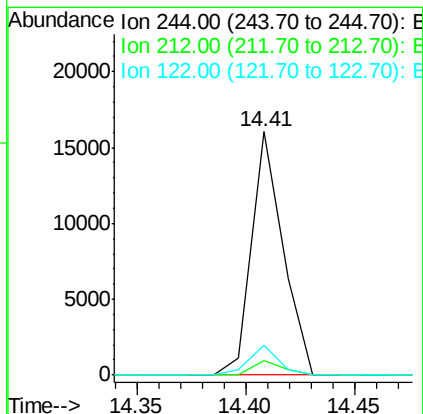
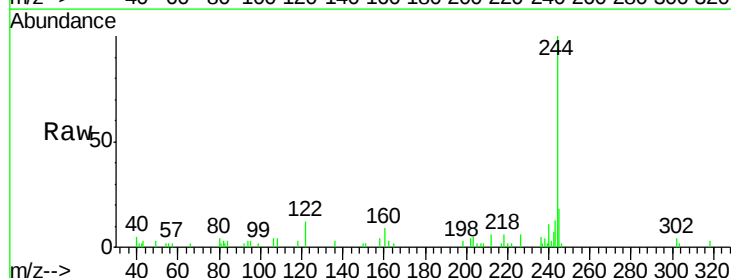
RT: 14.41 min Scan# 1183

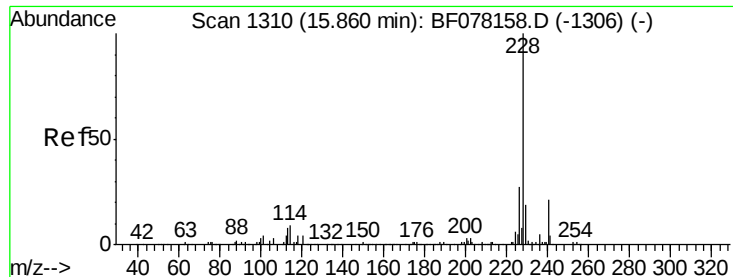
Delta R.T. 0.00 min

Lab File: BF078433.D

Acq: 11 Apr 2015 9:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	5.9	5.0	7.4
122	12.2	7.1	10.7#





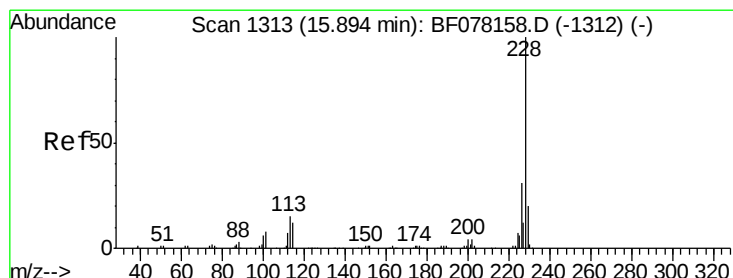
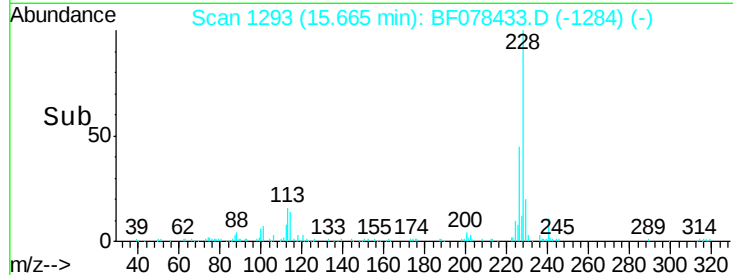
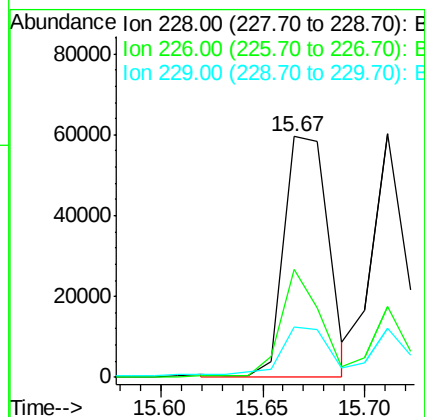
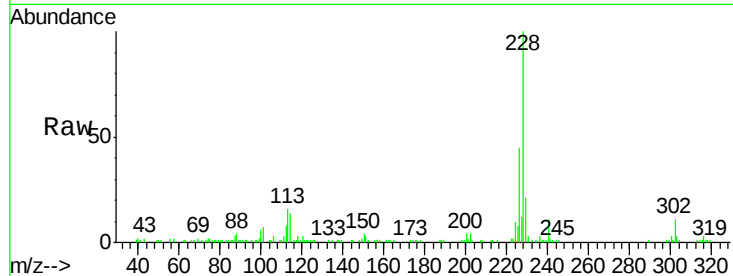
#80
Benzo(a)anthracene
Concen: 9.68 ng m
RT: 15.67 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BF078433.D
Acq: 11 Apr 2015 9:52

Instrument :
BNA_F
ClientSampleId :
SB-6DADL2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.9	21.3	31.9#
229	20.7	15.4	23.2

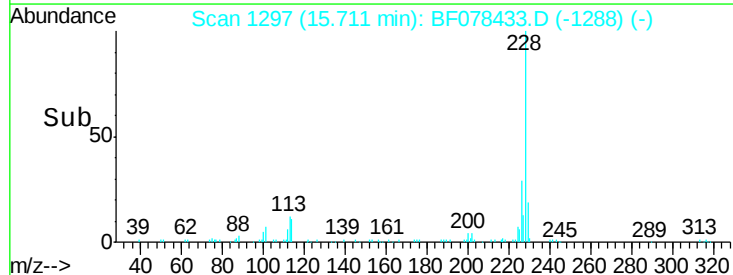
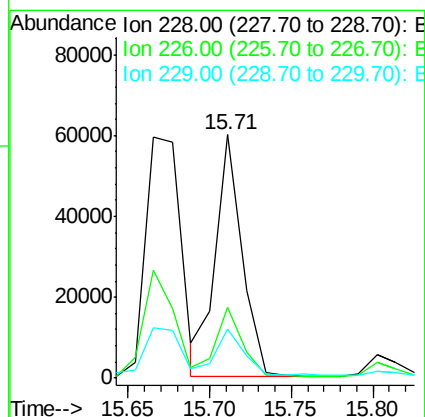
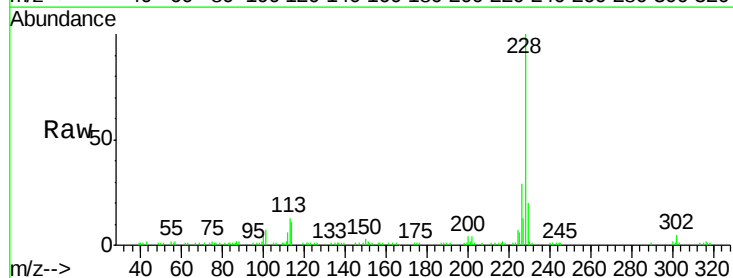
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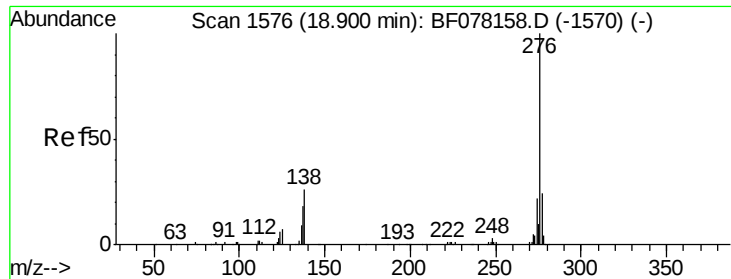
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#82
Chrysene
Concen: 7.75 ng
RT: 15.71 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF078433.D
Acq: 11 Apr 2015 9:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.2	36.4
229	20.2	15.8	23.8





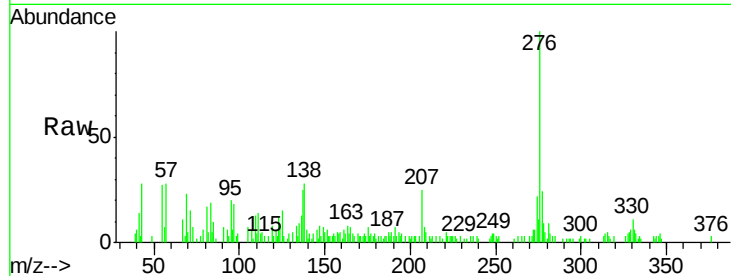
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.53 ng m
 RT: 18.61 min Scan# 1551
 Delta R.T. 0.09 min
 Lab File: BF078433.D
 Acq: 11 Apr 2015 9:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-6DADL2

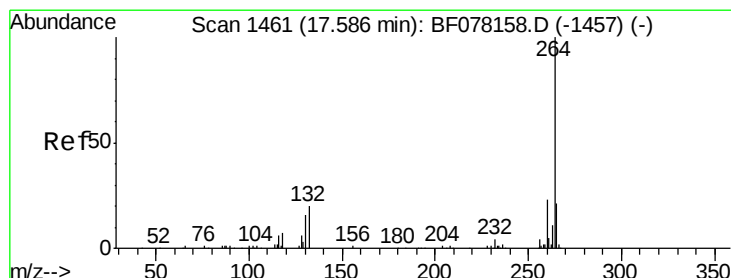
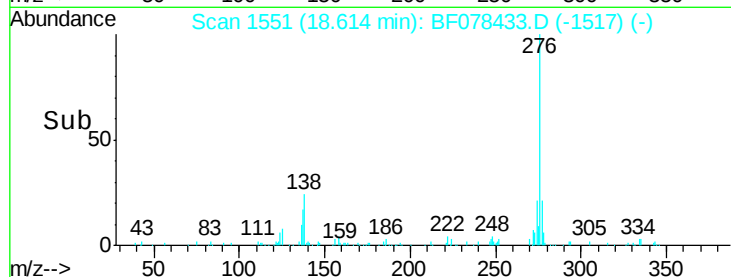
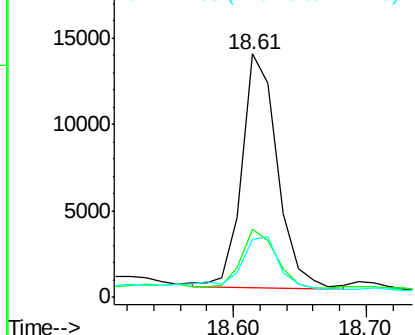
Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.6	16.9	25.3#
277	7.6	15.8	23.6#

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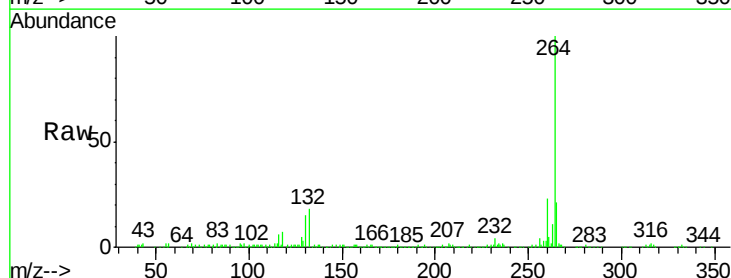


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

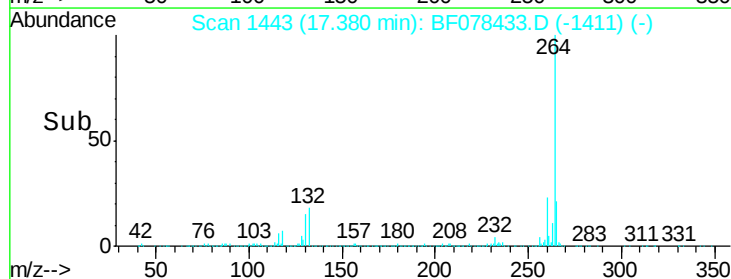
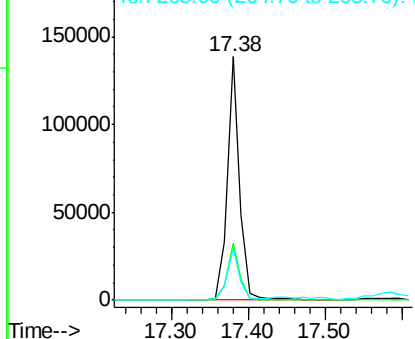


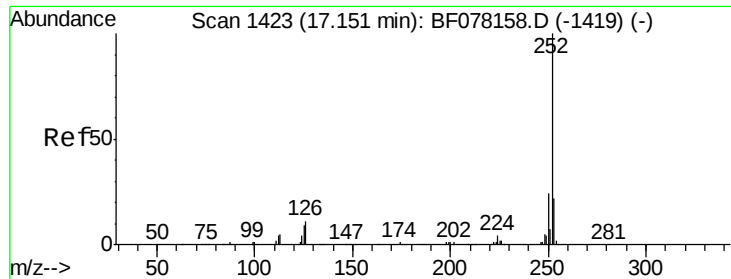
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.38 min Scan# 1443
 Delta R.T. 0.07 min
 Lab File: BF078433.D
 Acq: 11 Apr 2015 9:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.2	17.0	25.6



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





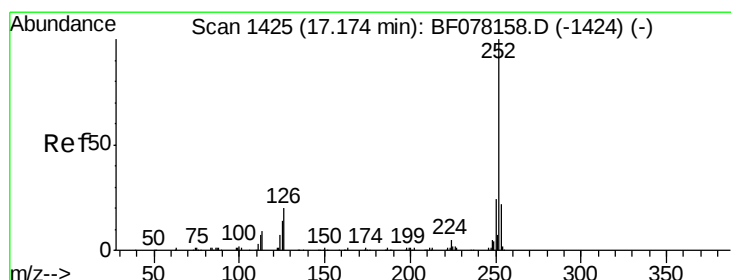
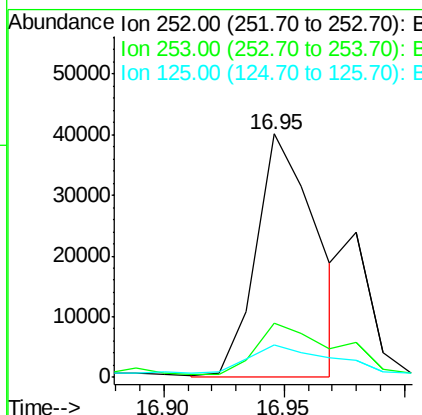
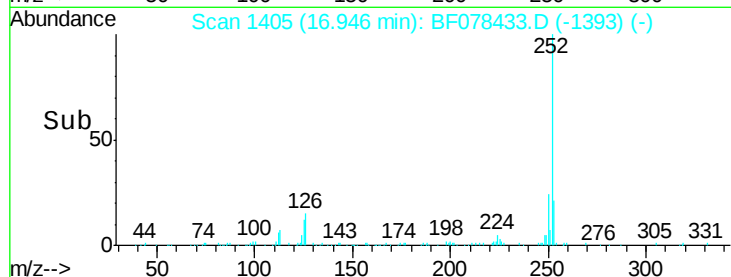
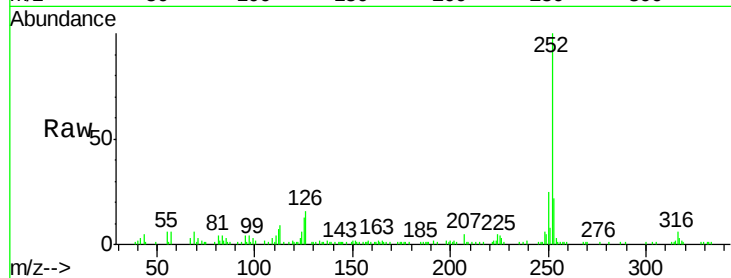
#87
Benzo(b)fluoranthene
Concen: 7.09 ng m
RT: 16.95 min Scan# 1405
Delta R.T. 0.03 min
Lab File: BF078433.D
Acq: 11 Apr 2015 9:52

Instrument :
BNA_F
ClientSampleId :
SB-6DADL2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	13.4	7.0	10.4

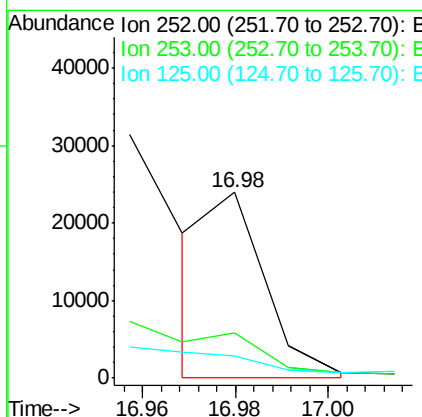
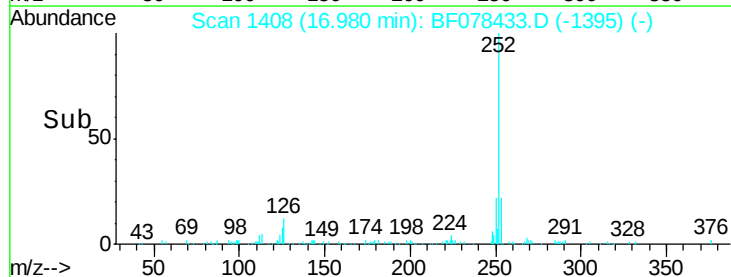
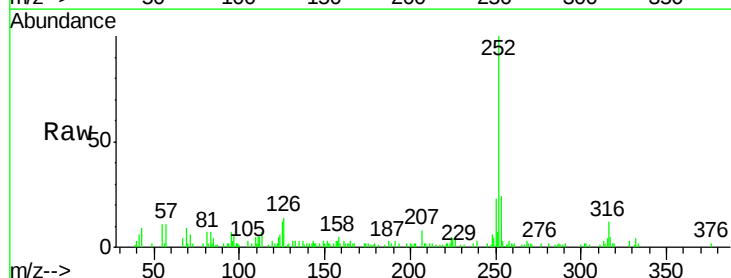
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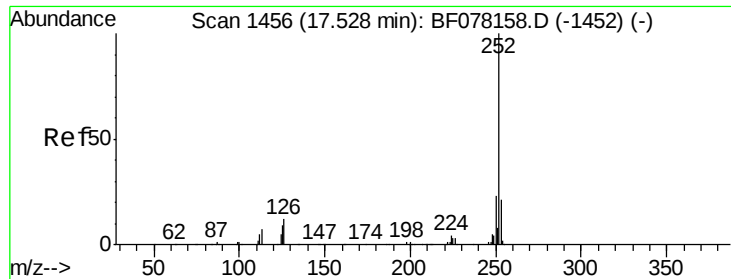
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#88
Benzo(k)fluoranthene
Concen: 2.26 ng m
RT: 16.98 min Scan# 1408
Delta R.T. 0.05 min
Lab File: BF078433.D
Acq: 11 Apr 2015 9:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	11.9	11.6	17.4





#89

Benzo(a)pyrene

Concen: 7.07 ng

RT: 17.31 min Scan# 1437

Delta R.T. 0.06 min

Lab File: BF078433.D

Acq: 11 Apr 2015 9:52

Instrument :

BNA_F

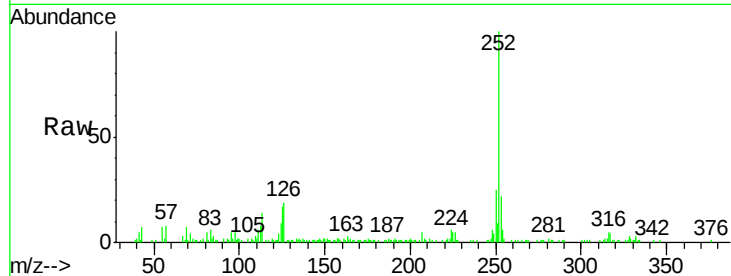
ClientSampled :

SB-6DADL2

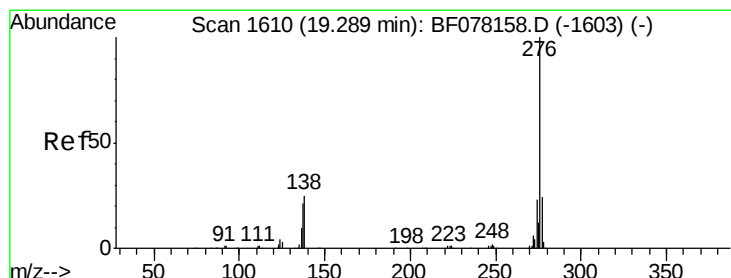
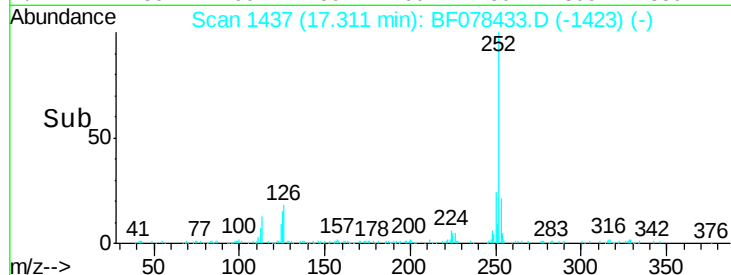
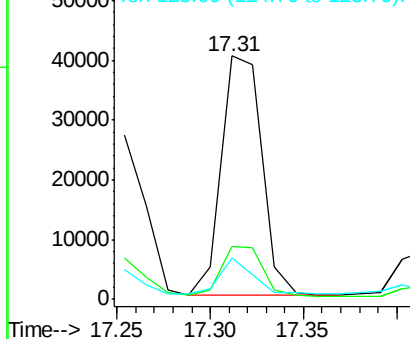
Tgt Ion:	252	Resp:	60715
Ion Ratio	Lower	Upper	
252	100		
253	21.8	16.8	25.2
125	17.1	7.4	11.0#

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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



#91

Benzo(g,h,i)perylene

Concen: 2.79 ng m

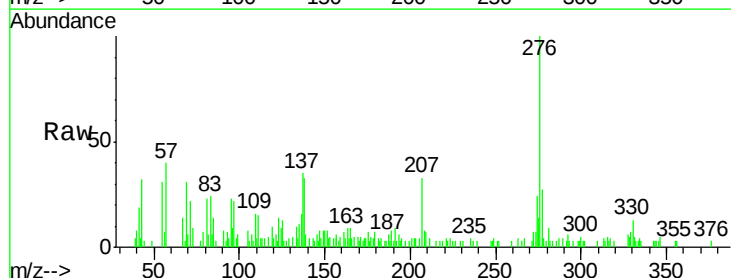
RT: 18.97 min Scan# 1582

Delta R.T. 0.09 min

Lab File: BF078433.D

Acq: 11 Apr 2015 9:52

Tgt Ion:	276	Resp:	24083
Ion Ratio	Lower	Upper	
276	100		
277	27.4	19.0	28.4
138	33.0	19.9	29.9#



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

