

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078499.D
 Acq On : 14 Apr 2015 11:48
 Operator : TP/IZ
 Sample : G1850-02
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-0D

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Quant Time: Apr 14 12:13:31 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 11:28:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	36978	20.00	ng	0.00
21) Naphthalene-d8	8.41	136	148374	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	74291	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	144991	20.00	ng	0.00
75) Chrysene-d12	15.66	240	144926	20.00	ng	0.01
86) Perylene-d12	17.44	264	149183	20.00	ng	0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	322038	143.59	ng	0.01
7) Phenol-d6	6.43	99	386635	137.56	ng	0.00
23) Nitrobenzene-d5	7.53	82	215458	88.02	ng	0.00
41) 2,4,6-Tribromophenol	11.54	330	99591	161.64	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	422395	81.27	ng	0.00
78) Terphenyl-d14	14.38	244	453689	70.74	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.46	94	11108	3.30	ng	85
31) Naphthalene	8.43	128	424126	54.92	ng	99
37) 2-Methylnaphthalene	9.29	142	185061	35.30	ng	97
49) Dimethylphthalate	10.26	163	28060	5.03	ng	# 95
51) Acenaphthene	10.60	154	47810	11.00	ng	100
54) Dibenzofuran	10.82	168	16978	2.56	ng	# 94
57) Fluorene	11.23	166	27328	5.08	ng	# 97
70) Phenanthrene	12.41	178	144996	17.29	ng	99
71) Anthracene	12.48	178	52345m	6.33	ng	
74) Fluoranthene	13.89	202	236818	26.77	ng	92
77) Pyrene	14.15	202	264353	29.06	ng	# 92
80) Benzo(a)anthracene	15.65	228	142640	16.54	ng	93
82) Chrysene	15.69	228	102748	12.68	ng	97
85) Indeno(1,2,3-cd)pyrene	18.71	276	73016m	7.94	ng	
87) Benzo(b)fluoranthene	16.98	252	145299m	15.76	ng	
88) Benzo(k)fluoranthene	16.99	252	58695m	7.16	ng	
89) Benzo(a)pyrene	17.37	252	131260	16.31	ng	# 92
91) Benzo(g,h,i)perylene	19.05	276	73554m	9.11	ng	

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

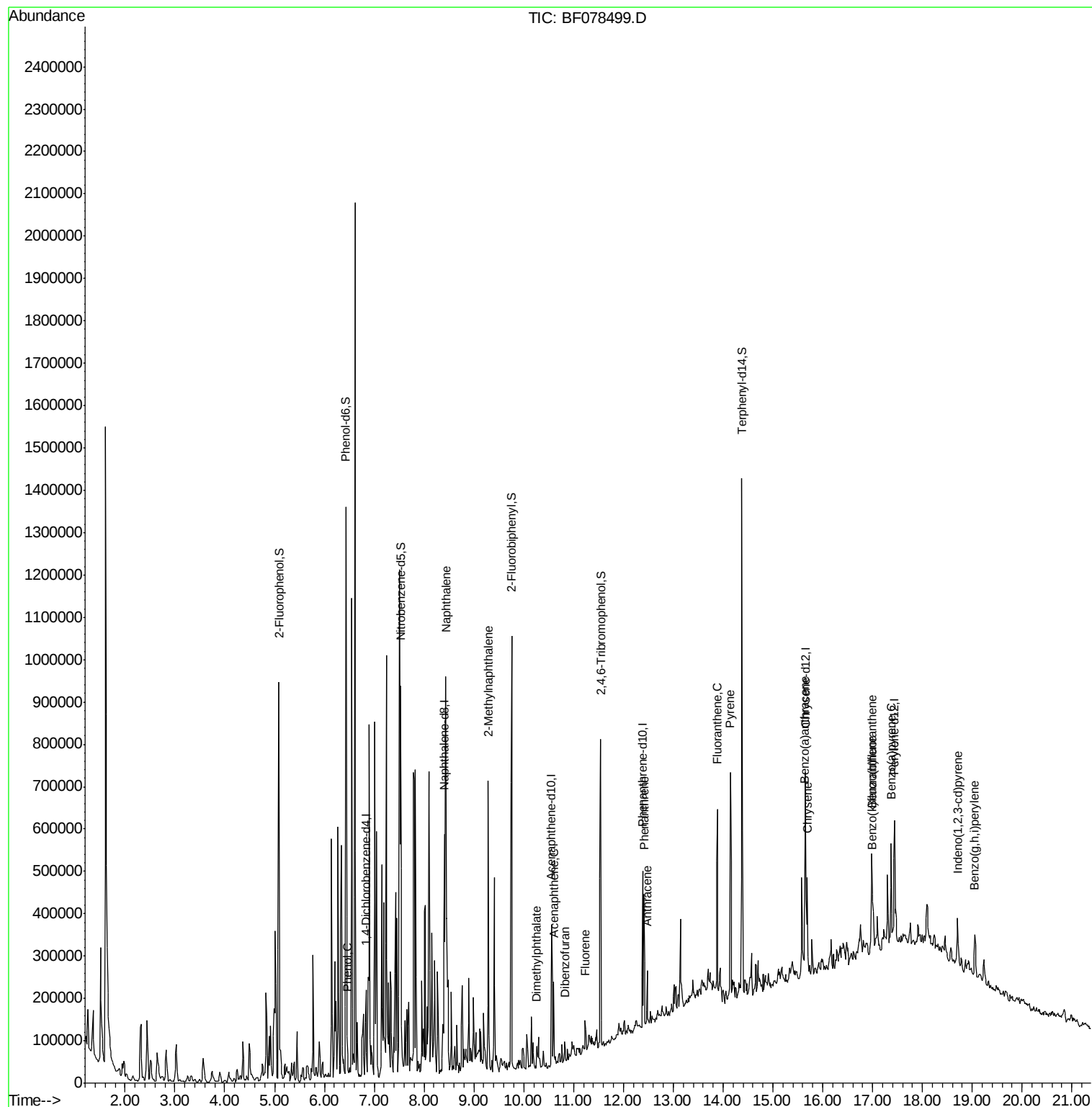
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078499.D
Acq On : 14 Apr 2015 11:48
Operator : TP/IZ
Sample : G1850-02
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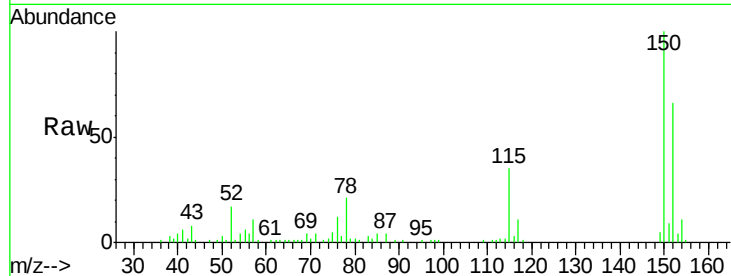
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: BF078499.D
 Acq: 14 Apr 2015 11:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-0D

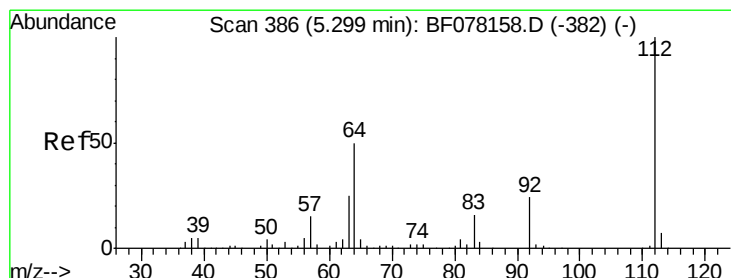
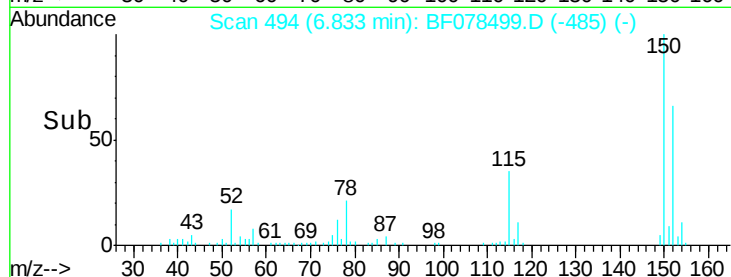
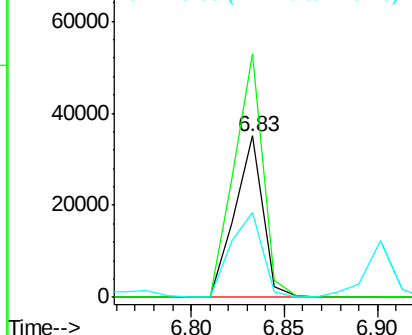
Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.1	125.9	188.9
115	52.9	52.7	79.1

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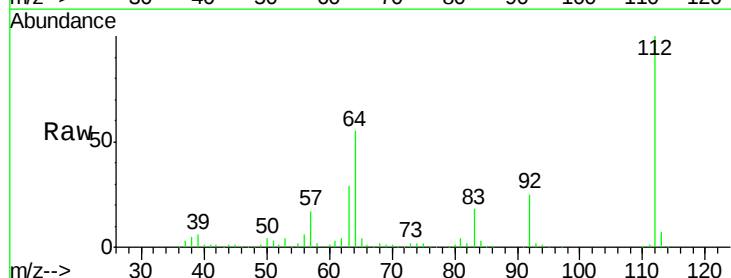


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

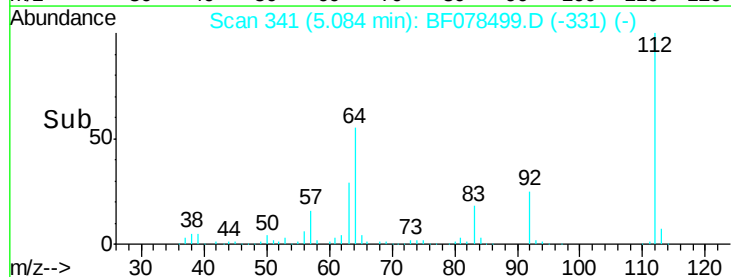
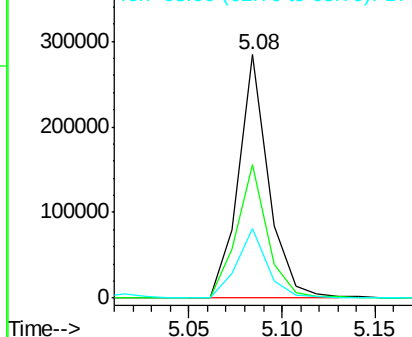


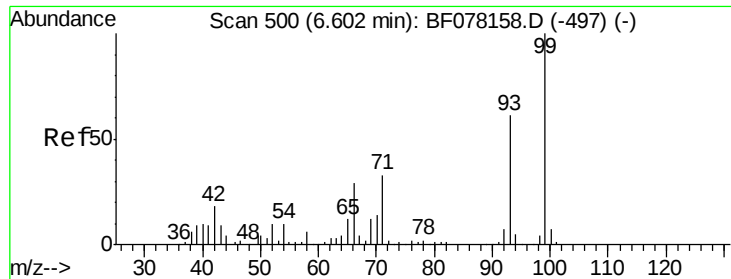
#5
 2-Fluorophenol
 Concen: 143.59 ng
 RT: 5.08 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: BF078499.D
 Acq: 14 Apr 2015 11:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	39.9	59.9
63	28.6	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: 137.56 ng

RT: 6.43 min Scan# 459

Delta R.T. -0.00 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Instrument :

BNA_F

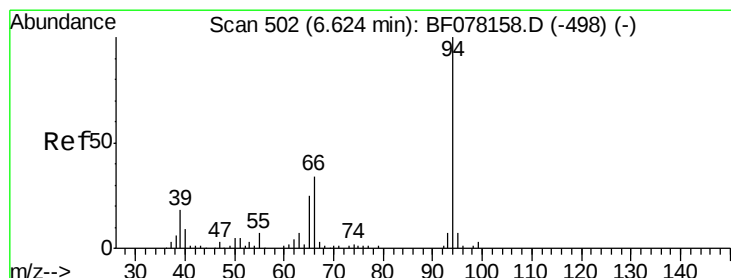
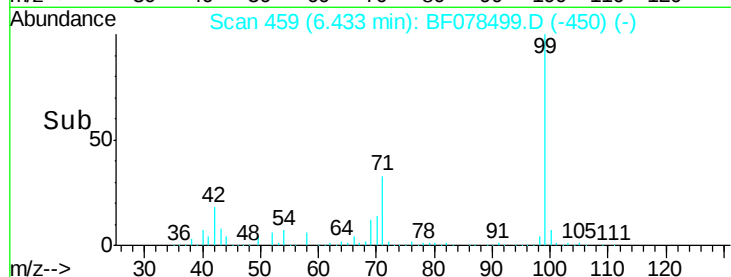
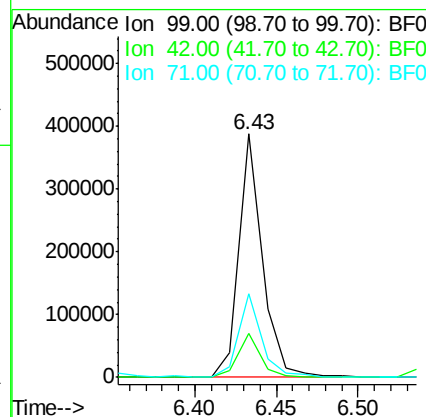
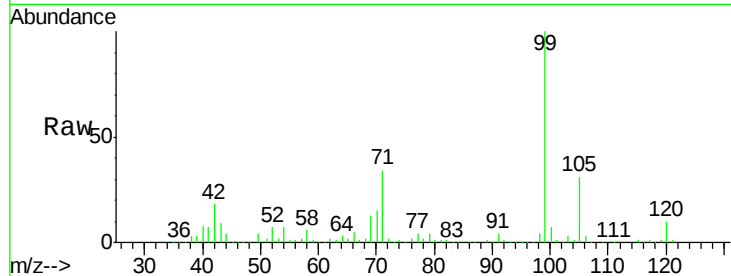
ClientSampled :

SB-0D

Tgt Ion:	99	Resp:	386635
Ion Ratio	Lower	Upper	
99	100		
42	18.2	14.8	22.2
71	34.1	26.6	39.8

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#10

Phenol

Concen: 3.30 ng

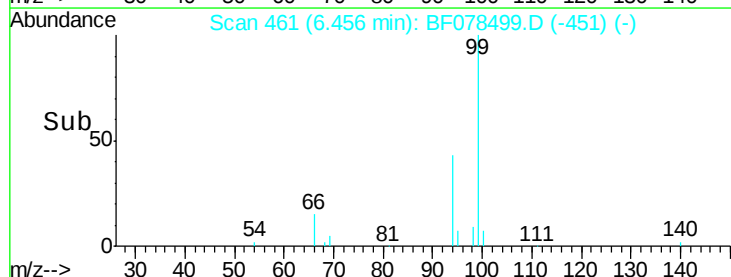
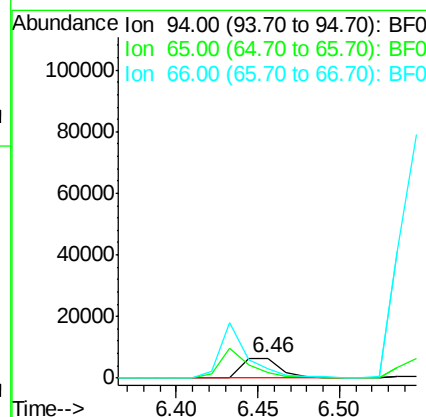
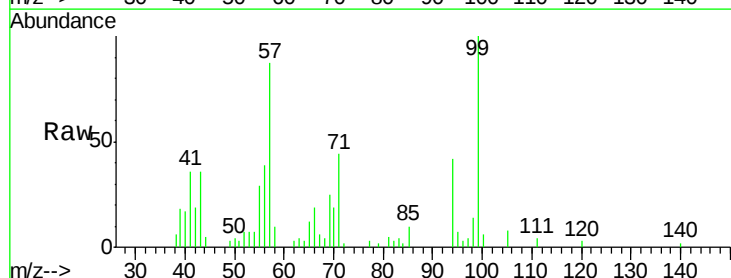
RT: 6.46 min Scan# 461

Delta R.T. 0.01 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Tgt Ion:	94	Resp:	11108
Ion Ratio	Lower	Upper	
94	100		
65	30.0	4.9	44.9
66	44.6	13.8	53.8





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.41 min Scan# 632

Delta R.T. -0.00 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Instrument :

BNA_F

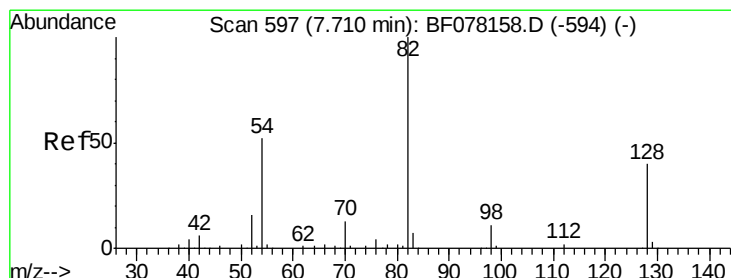
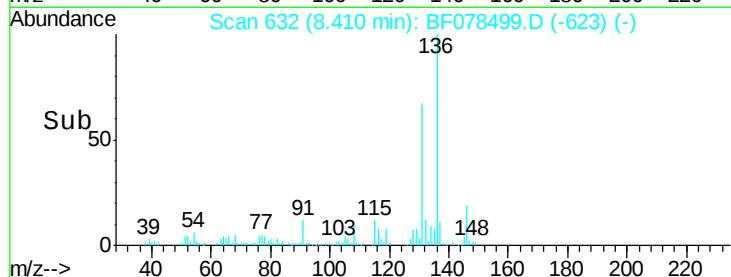
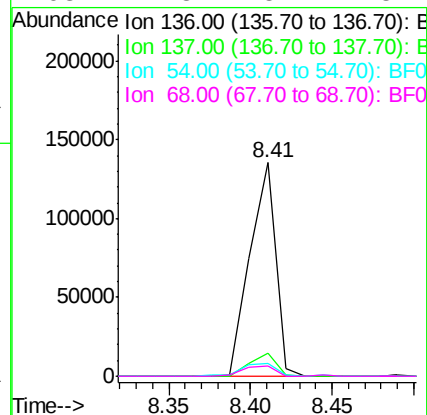
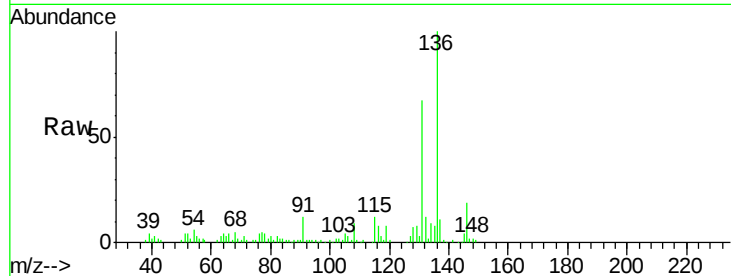
ClientSampleId :

SB-0D

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	9.0	13.4
54	6.1	7.0	10.6#
68	4.8	5.4	8.2#

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#23

Nitrobenzene-d5

Concen: 88.02 ng

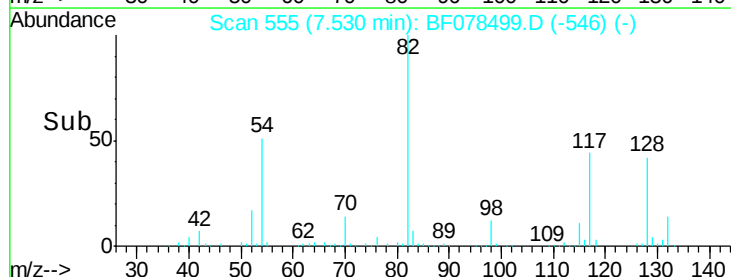
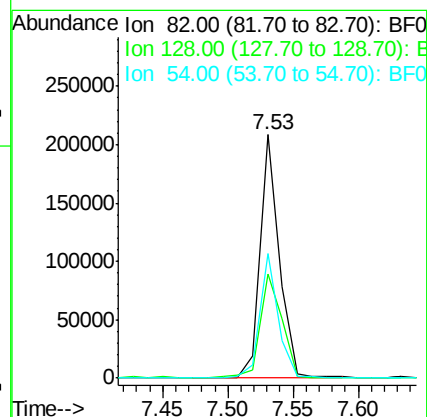
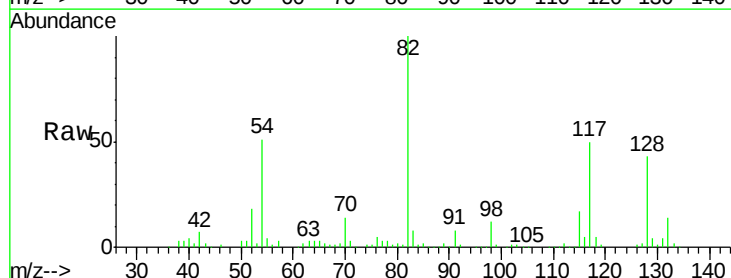
RT: 7.53 min Scan# 555

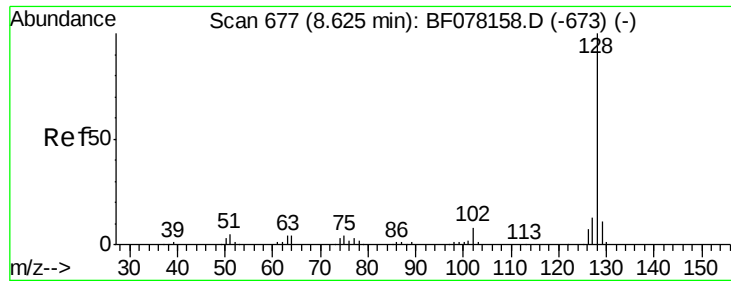
Delta R.T. -0.00 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	42.6	31.8	47.8
54	51.2	41.5	62.3





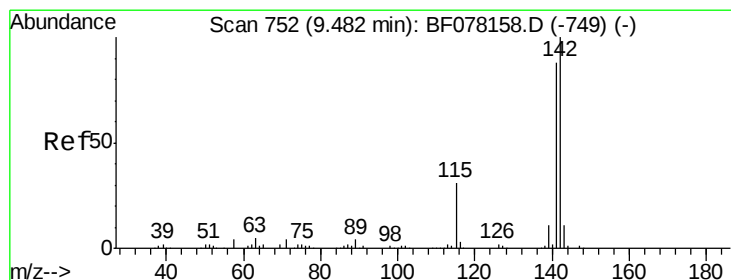
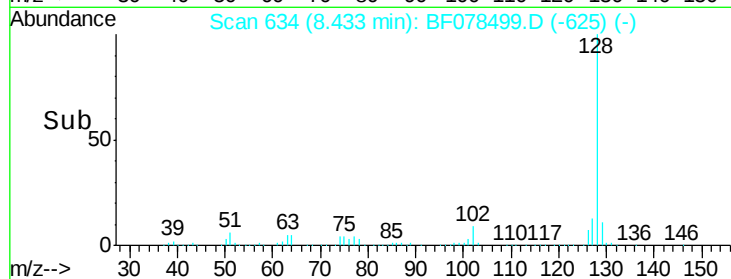
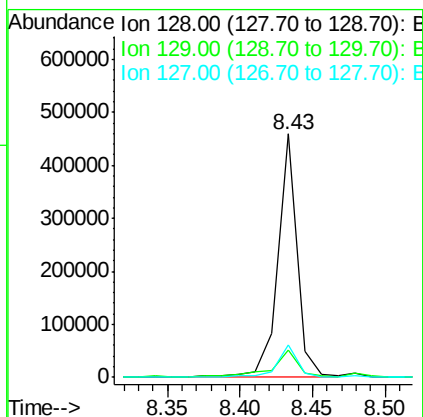
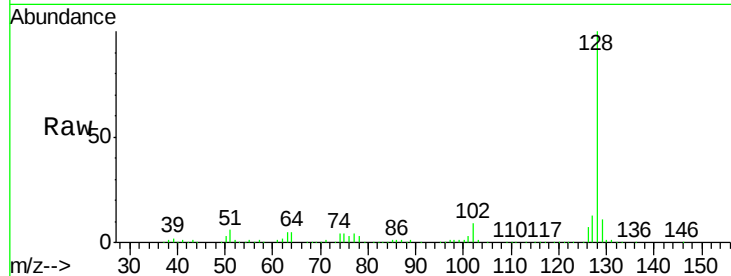
#31
Naphthalene
Concen: 54.92 ng
RT: 8.43 min Scan# 634
Delta R.T. -0.00 min
Lab File: BF078499.D
Acq: 14 Apr 2015 11:48

Instrument :
BNA_F
ClientSampleId :
SB-0D

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	13.2	10.7	16.1

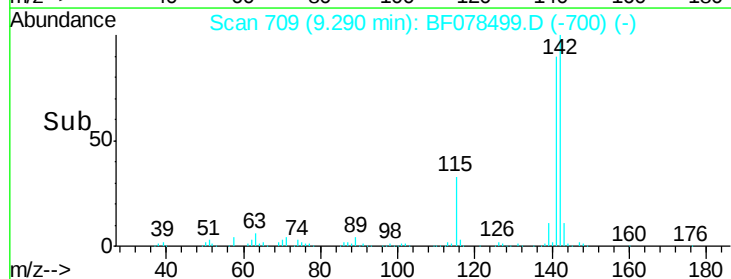
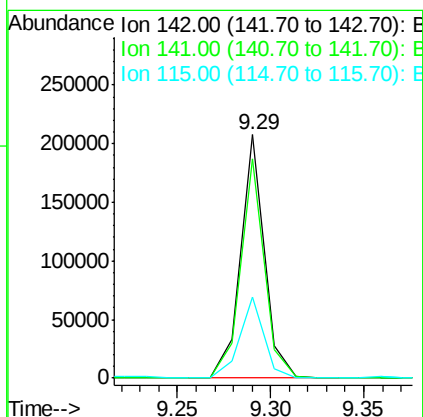
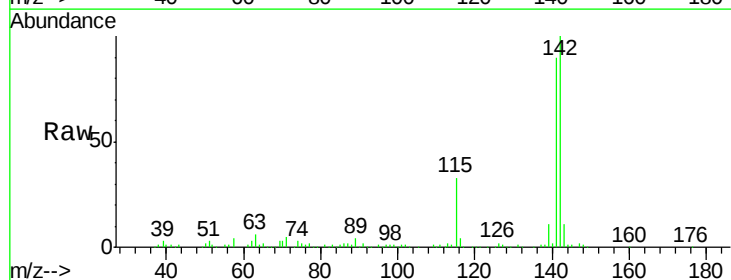
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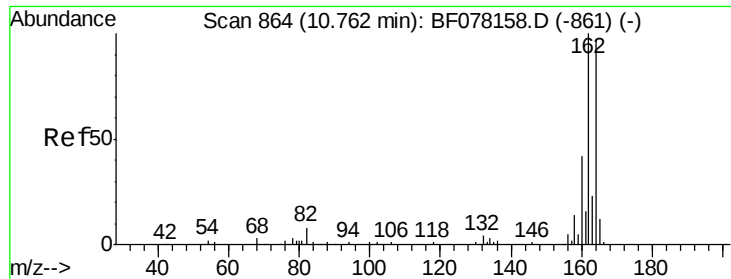
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#37
2-Methylnaphthalene
Concen: 35.30 ng
RT: 9.29 min Scan# 709
Delta R.T. -0.00 min
Lab File: BF078499.D
Acq: 14 Apr 2015 11:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.3	105.5
115	33.5	24.6	37.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.56 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Instrument :

BNA_F

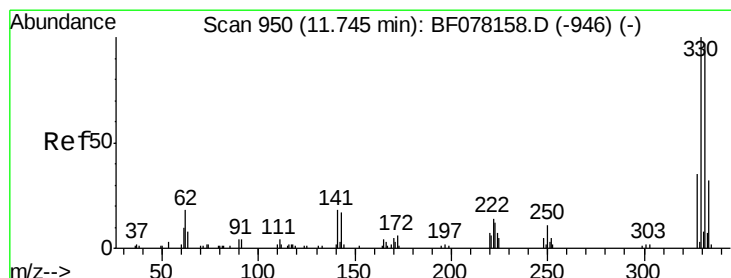
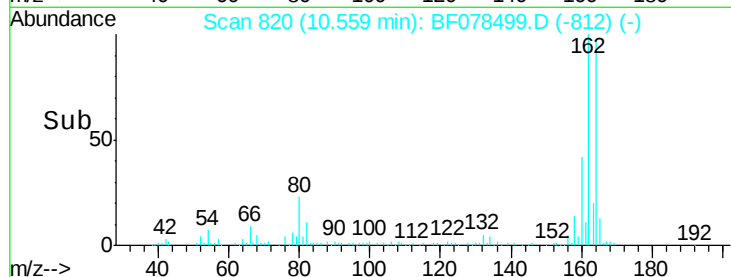
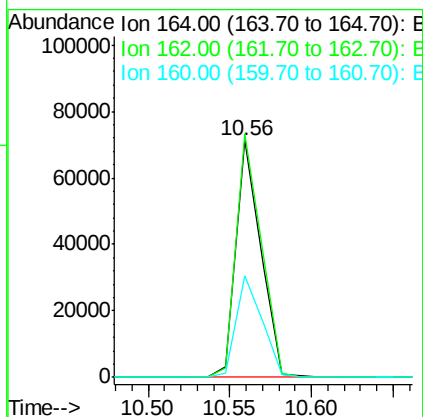
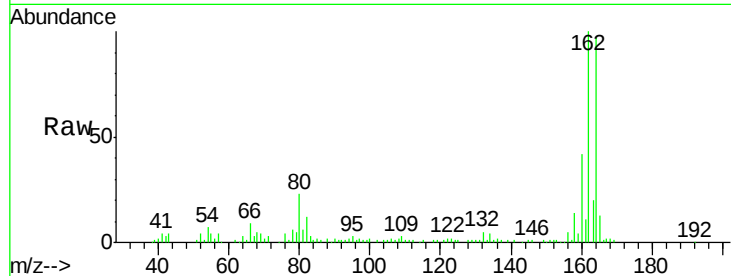
ClientSampleId :

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Tgt Ion:	164	Resp:	74291
Ion Ratio	Lower	Upper	
164	100		
162	102.7	82.2	123.2
160	42.9	34.7	52.1

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#41

2,4,6-Tribromophenol

Concen: 161.64 ng

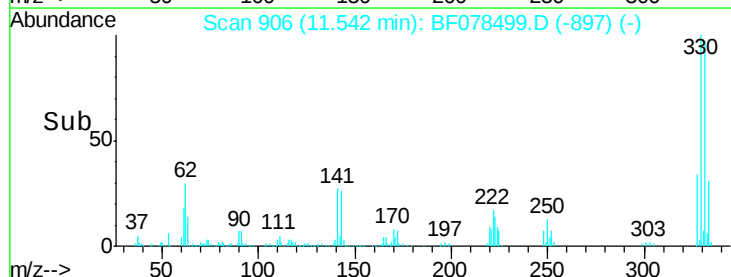
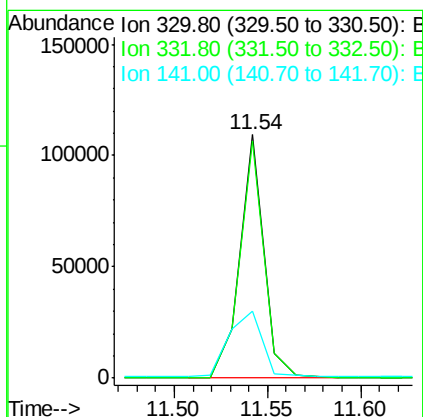
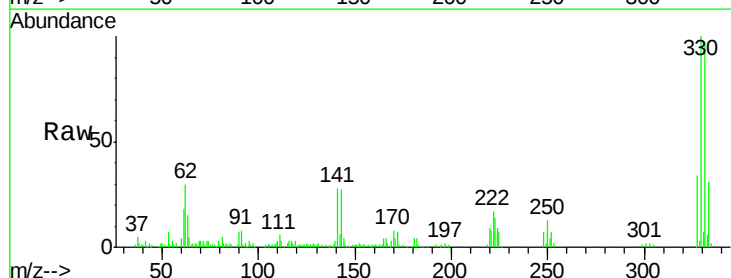
RT: 11.54 min Scan# 906

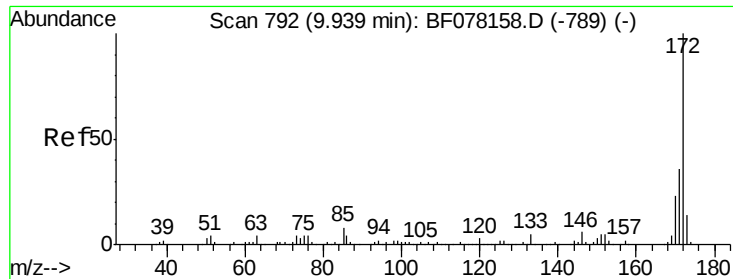
Delta R.T. -0.00 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Tgt Ion:	330	Resp:	99591
Ion Ratio	Lower	Upper	
330	100		
332	97.5	78.6	117.8
141	37.3	31.2	46.8





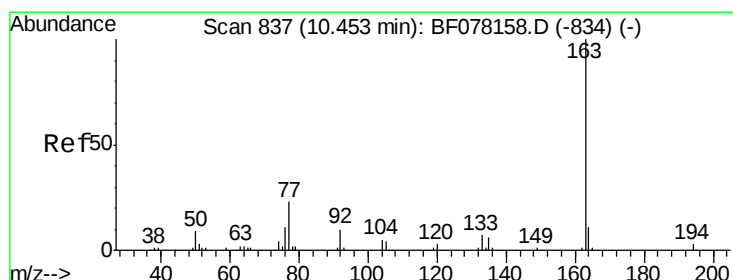
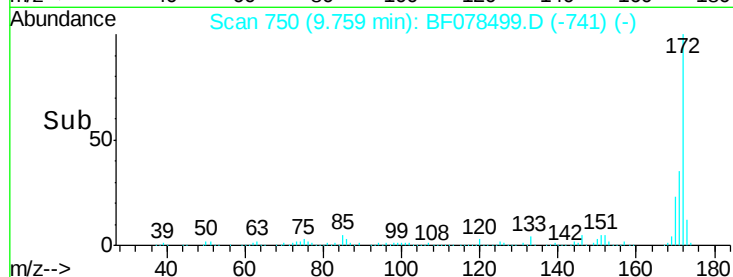
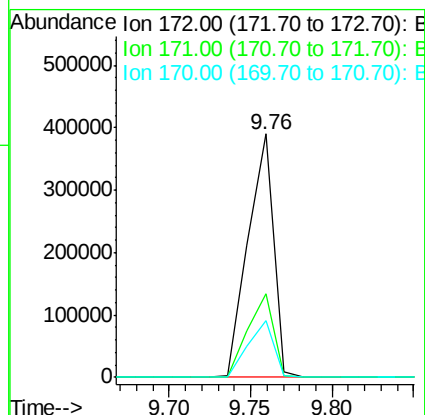
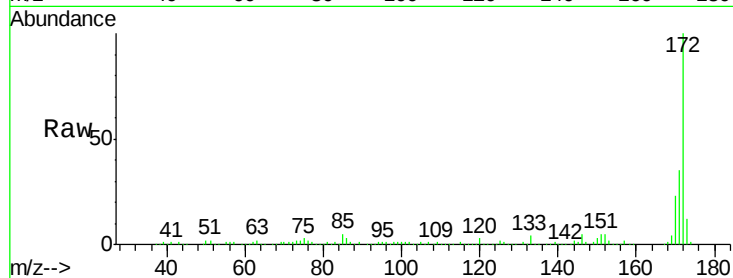
#44
 2-Fluorobiphenyl
 Concen: 81.27 ng
 RT: 9.76 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF078499.D
 Acq: 14 Apr 2015 11:48

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Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.6	28.6	42.8
170	23.4	18.5	27.7

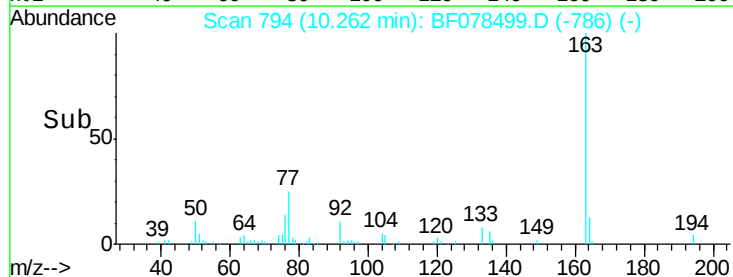
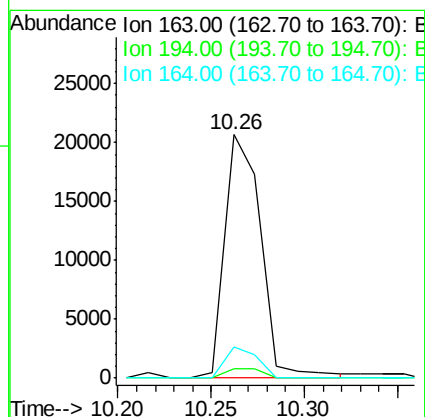
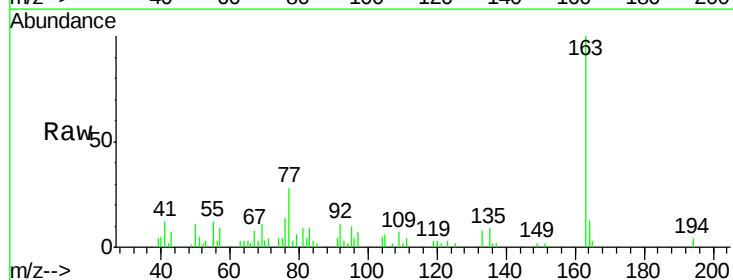
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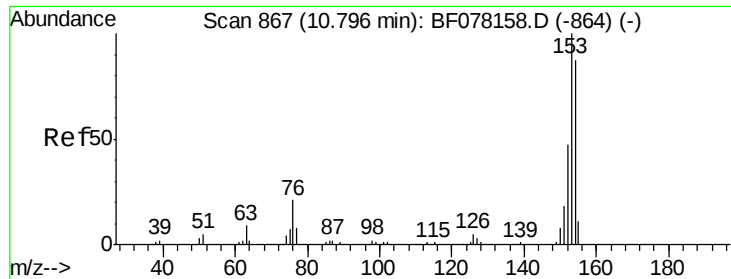
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#49
 Dimethylphthalate
 Concen: 5.03 ng
 RT: 10.26 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF078499.D
 Acq: 14 Apr 2015 11:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	2.3	3.5#
164	12.7	8.6	13.0





#51

Acenaphthene

Concen: 11.00 ng

RT: 10.60 min Scan# 824

Delta R.T. -0.00 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Instrument :

BNA_F

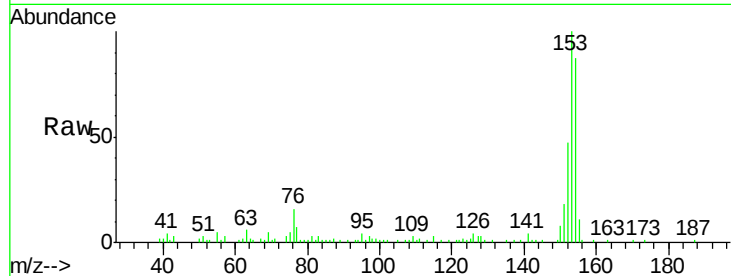
ClientSampleId :

SB-0D

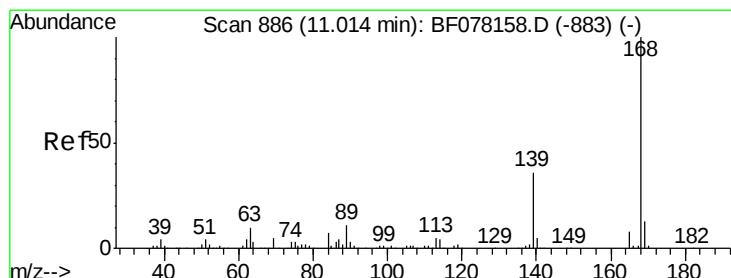
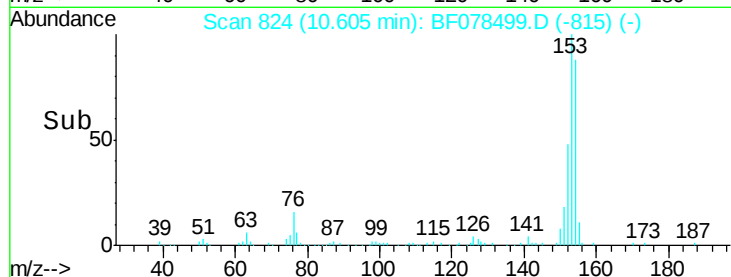
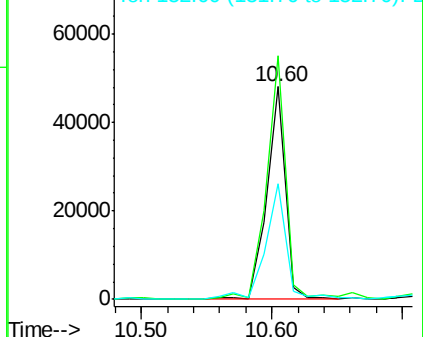
Tgt Ion:	154	Resp:	47810
Ion Ratio	Lower	Upper	
154	100		
153	114.6	91.4	137.2
152	54.2	43.0	64.6

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.56 ng

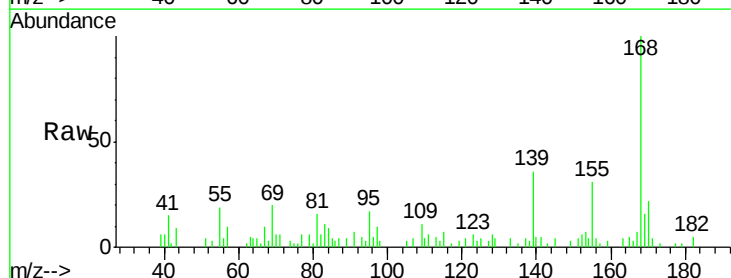
RT: 10.82 min Scan# 843

Delta R.T. -0.00 min

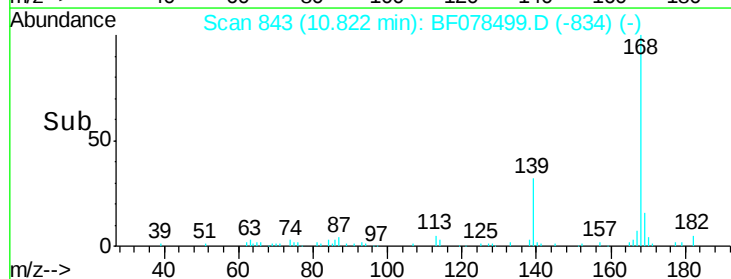
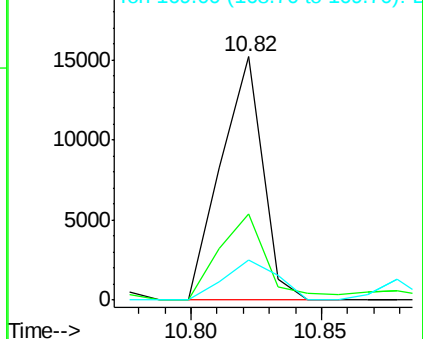
Lab File: BF078499.D

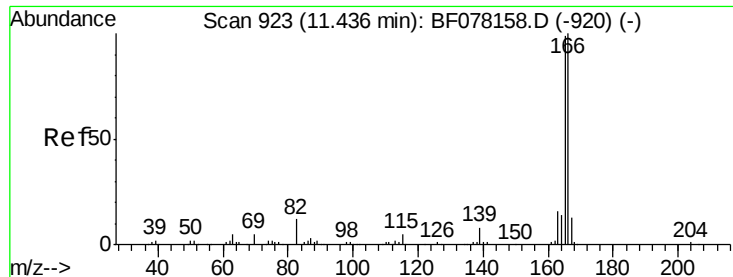
Acq: 14 Apr 2015 11:48

Tgt Ion:	168	Resp:	16978
Ion Ratio	Lower	Upper	
168	100		
139	35.5	31.0	46.4
169	16.4	10.7	16.1#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





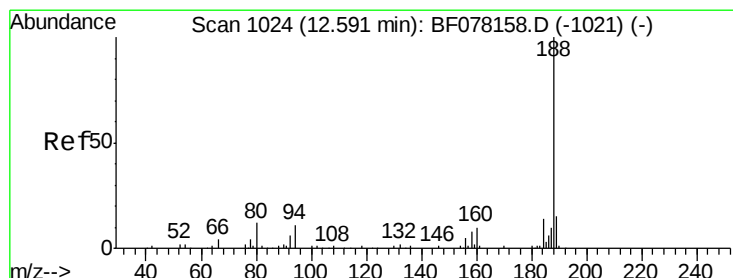
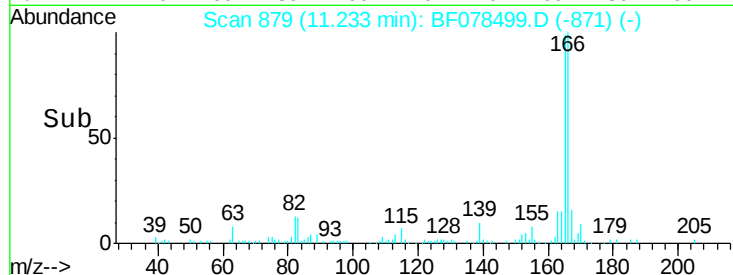
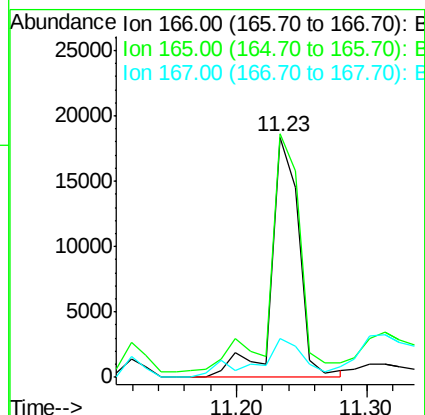
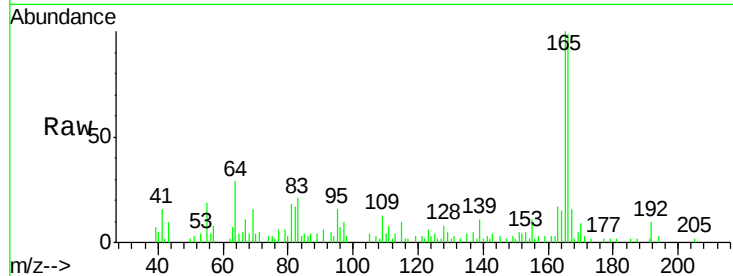
#57
 Fluorene
 Concen: 5.08 ng
 RT: 11.23 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF078499.D
 Acq: 14 Apr 2015 11:48

Instrument :
 BNA_F
 ClientSampled :
 SB-0D

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	27328		
165	101.3	78.9	118.3	
167	16.3	10.7	16.1#	

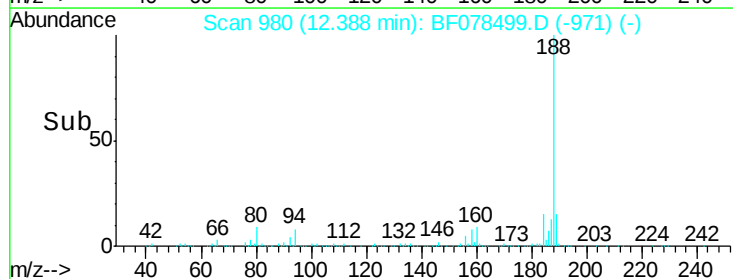
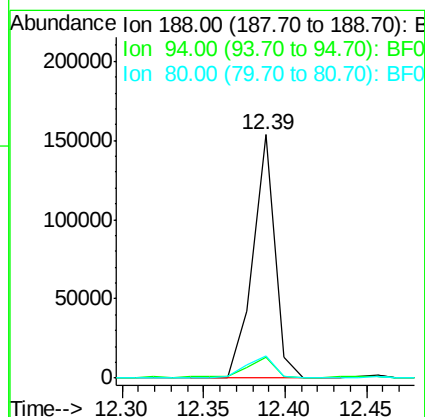
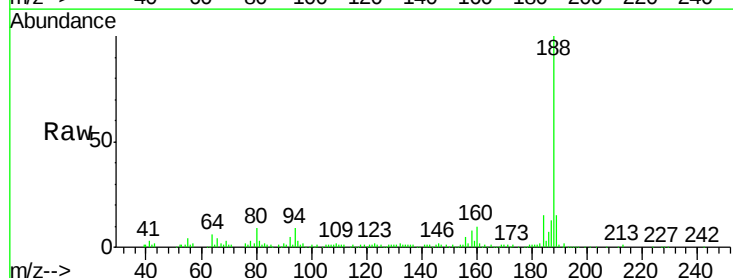
Manual Integrations
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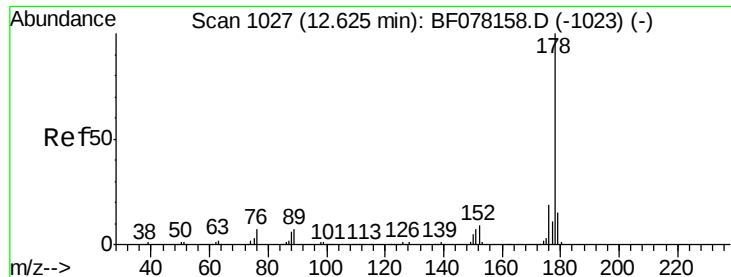
apatel
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF078499.D
 Acq: 14 Apr 2015 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	144991		
94	8.7	9.0	13.4#	
80	9.1	9.5	14.3#	





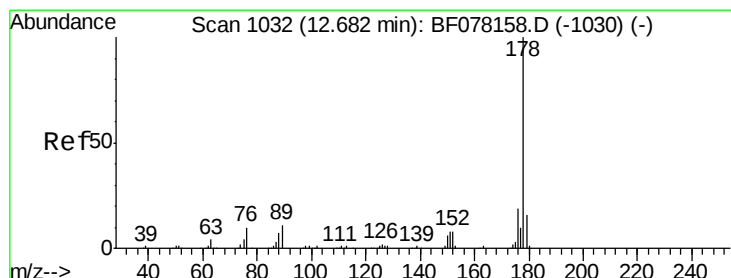
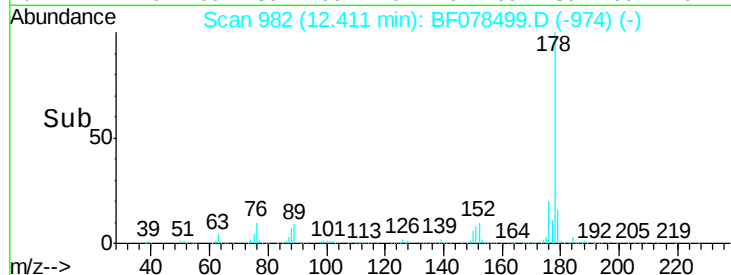
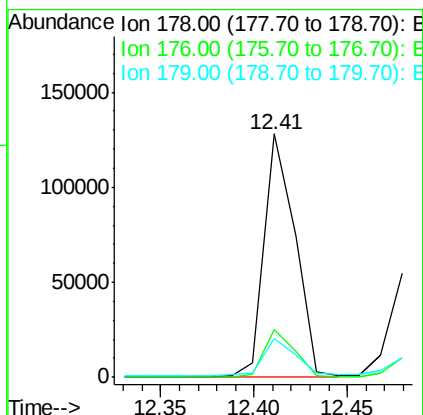
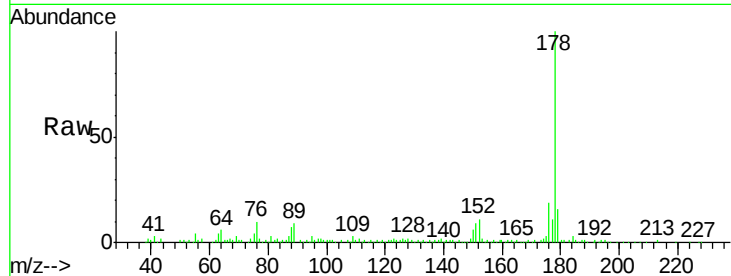
#70
Phenanthrene
Concen: 17.29 ng
RT: 12.41 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF078499.D
Acq: 14 Apr 2015 11:48

Instrument :
BNA_F
ClientSampleId :
SB-0D

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	16.2	12.2	18.2

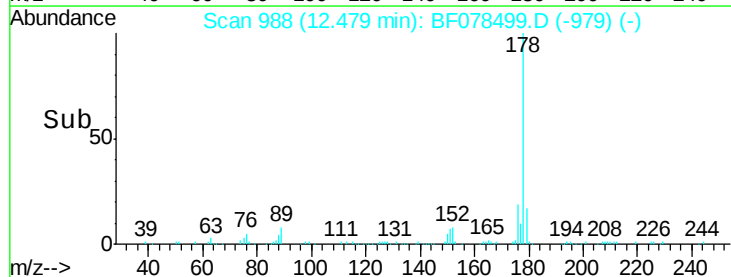
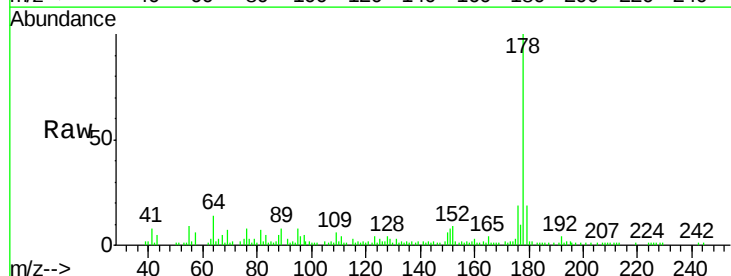
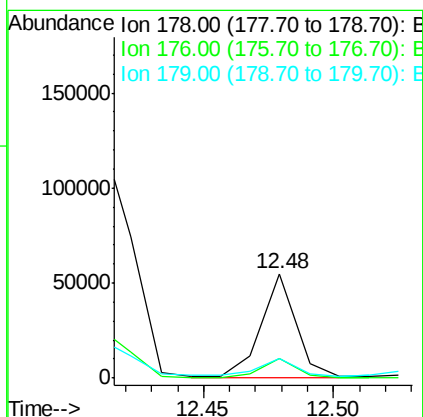
Manual Integrations
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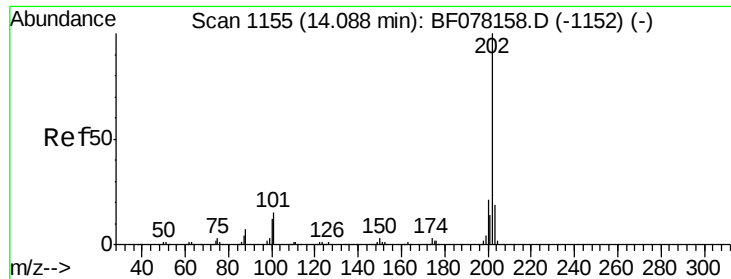
apatel
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#71
Anthracene
Concen: 6.33 ng m
RT: 12.48 min Scan# 988
Delta R.T. -0.00 min
Lab File: BF078499.D
Acq: 14 Apr 2015 11:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	18.9	12.4	18.6#





#74

Fluoranthene

Concen: 26.77 ng

RT: 13.89 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Instrument :

BNA_F

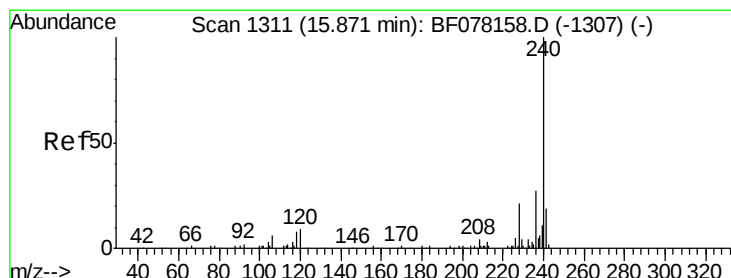
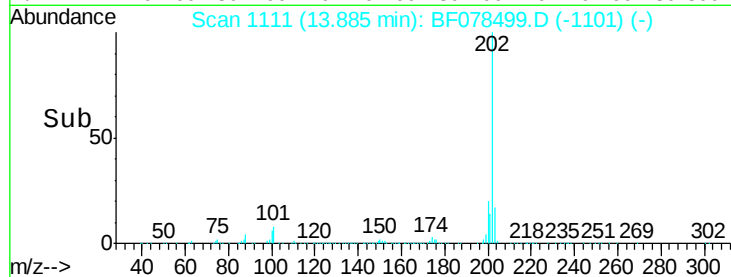
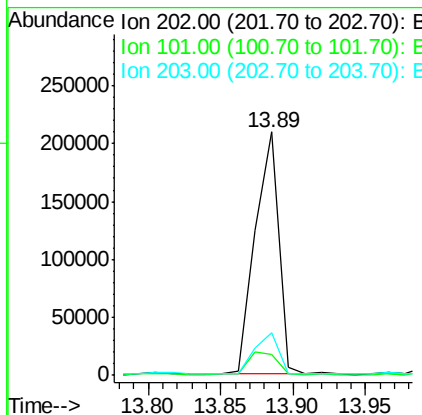
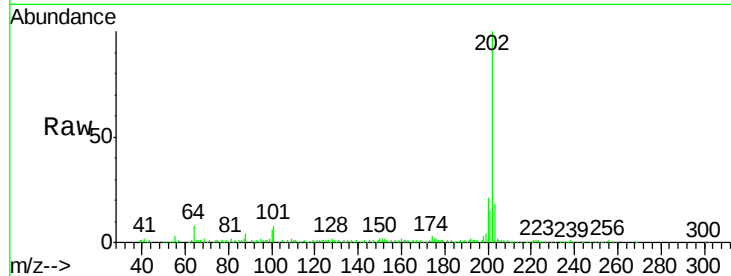
ClientSampled :

SB-0D

Tgt	Ion	202	Resp:	236818
Ion	Ratio	Lower	Upper	
202	100			
101	8.5	0.0	35.2	
203	17.7	0.0	38.5	

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#75

Chrysene-d12

Concen: 20.00 ng

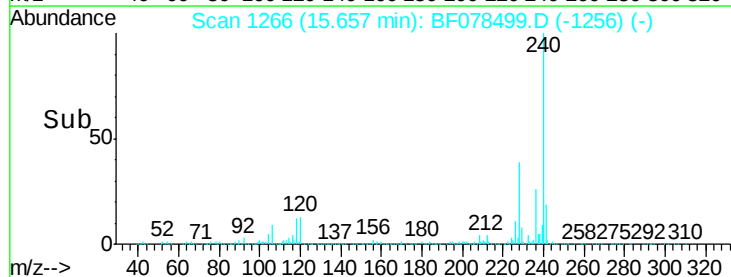
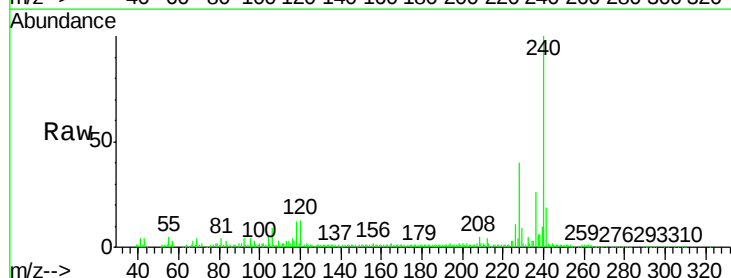
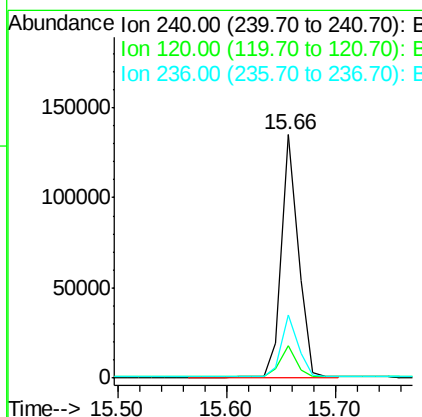
RT: 15.66 min Scan# 1266

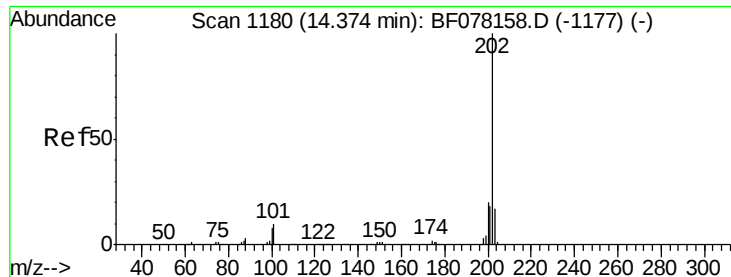
Delta R.T. 0.01 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Tgt	Ion	240	Resp:	144926
Ion	Ratio	Lower	Upper	
240	100			
120	13.4	7.1	10.7#	
236	26.0	21.4	32.2	





#77

Pyrene

Concen: 29.06 ng

RT: 14.15 min Scan# 1134

Delta R.T. -0.00 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Instrument :

BNA_F

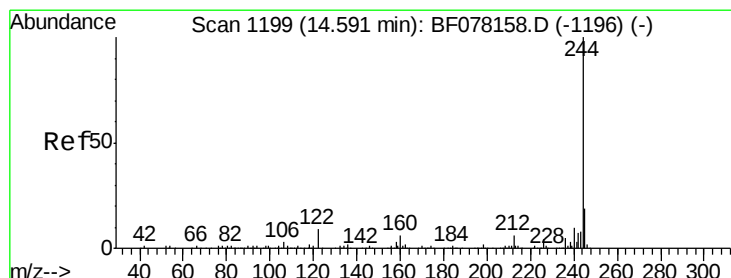
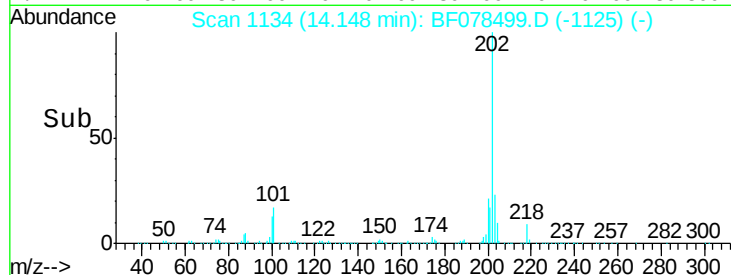
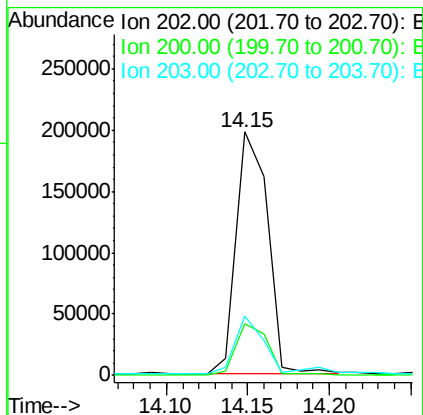
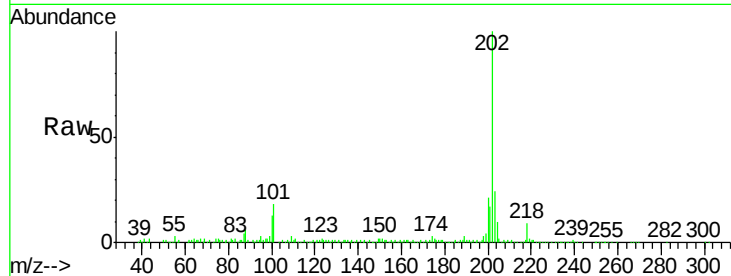
ClientSampled :

SB-0D

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		264353		
200	21.1	16.3	24.5		
203	24.1	13.8	20.6		

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#78

Terphenyl-d14

Concen: 70.74 ng

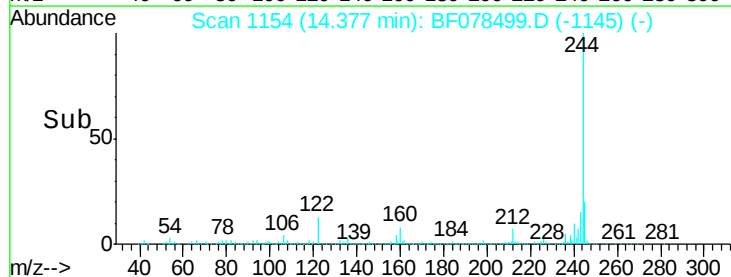
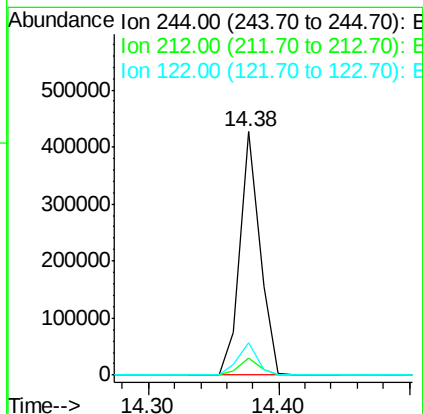
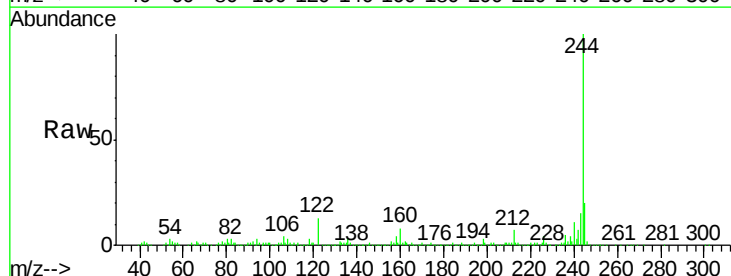
RT: 14.38 min Scan# 1154

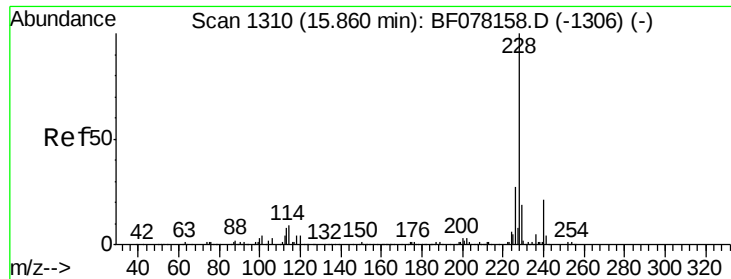
Delta R.T. -0.00 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		453689		
212	7.0	5.0	7.4		
122	13.2	7.1	10.7		





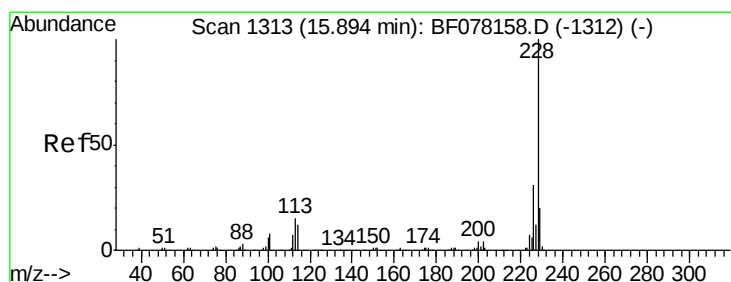
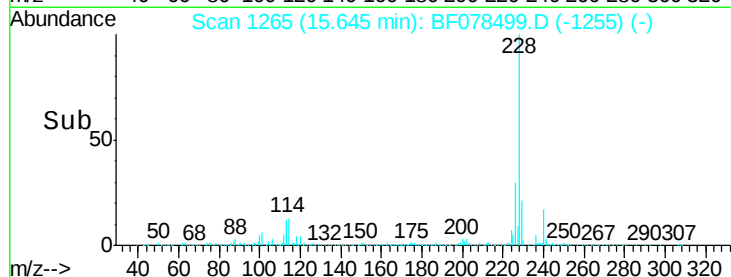
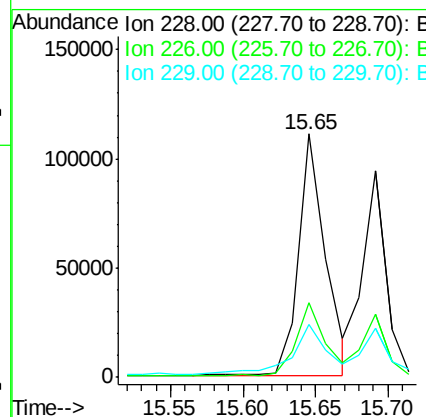
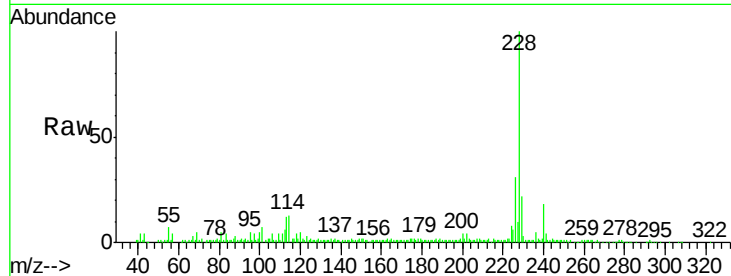
#80
Benzo(a)anthracene
Concen: 16.54 ng
RT: 15.65 min Scan# 1265
Delta R.T. 0.01 min
Lab File: BF078499.D
Acq: 14 Apr 2015 11:48

Instrument :
BNA_F
ClientSampleId :
SB-0D

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.3	31.9
229	21.9	15.4	23.2

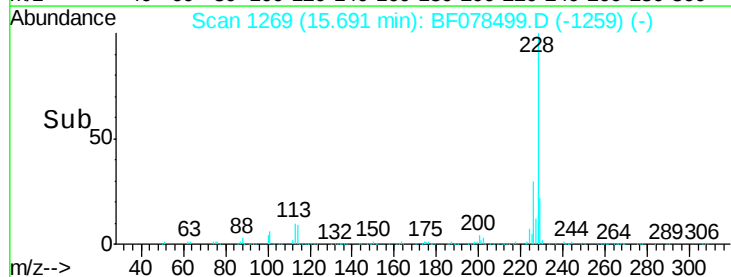
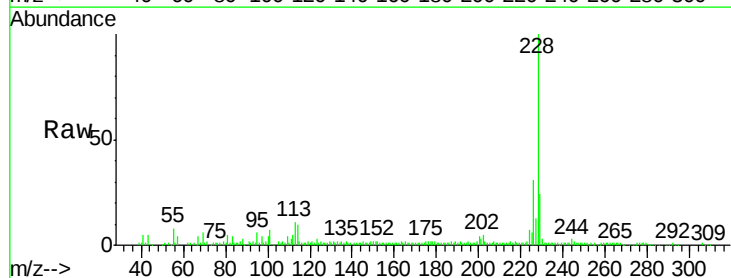
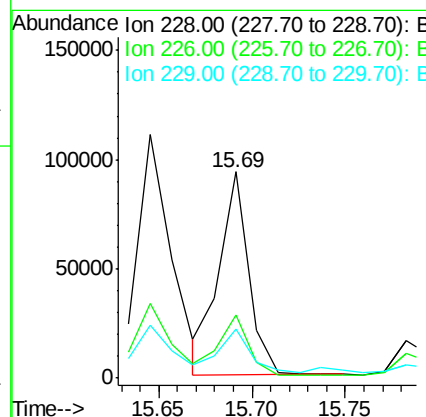
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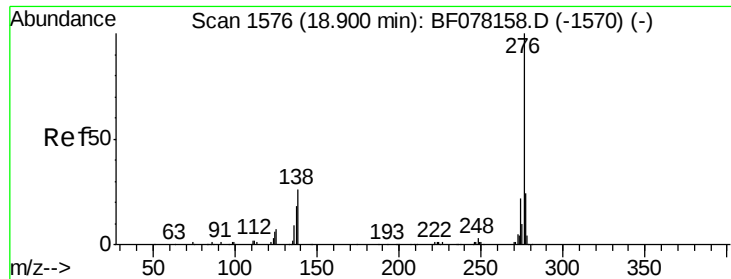
apatel
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#82
Chrysene
Concen: 12.68 ng
RT: 15.69 min Scan# 1269
Delta R.T. 0.01 min
Lab File: BF078499.D
Acq: 14 Apr 2015 11:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.4
229	23.6	15.8	23.8





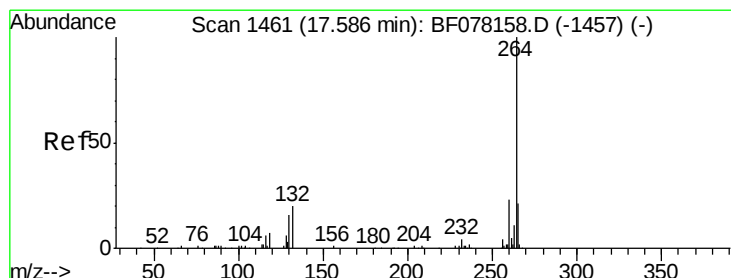
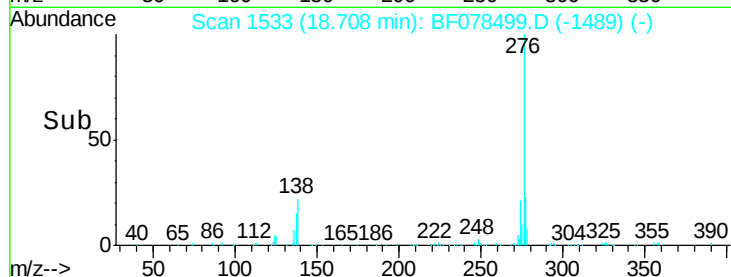
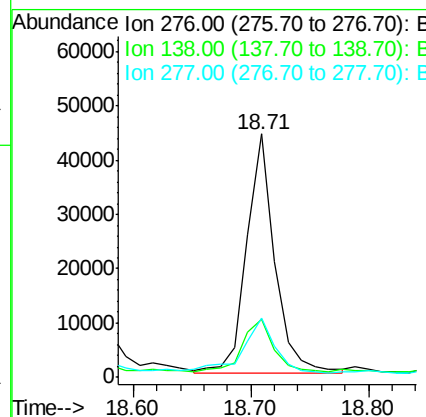
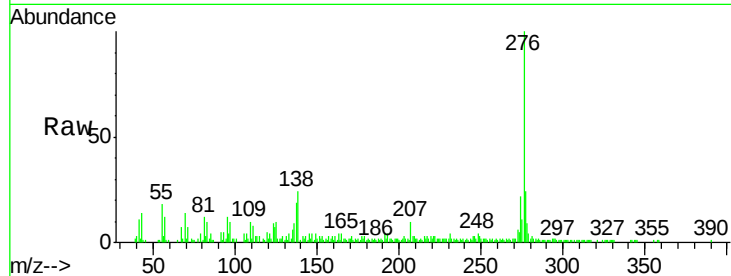
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.94 ng m
RT: 18.71 min Scan# 1533
Delta R.T. 0.21 min
Lab File: BF078499.D
Acq: 14 Apr 2015 11:48

Instrument :
BNA_F
ClientSampleId :
SB-0D

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.5	16.9	25.3#
277	5.1	15.8	23.6#

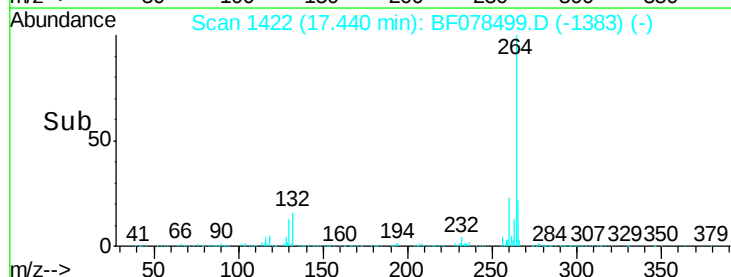
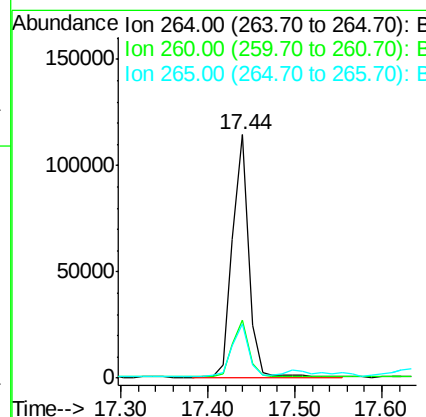
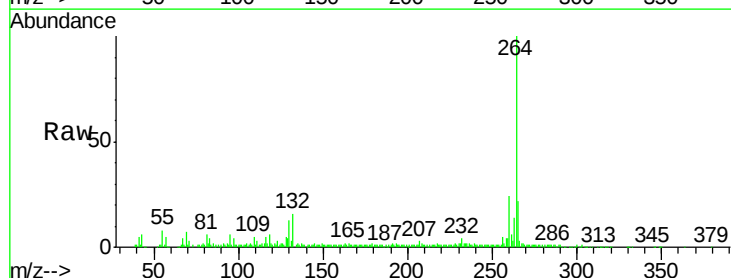
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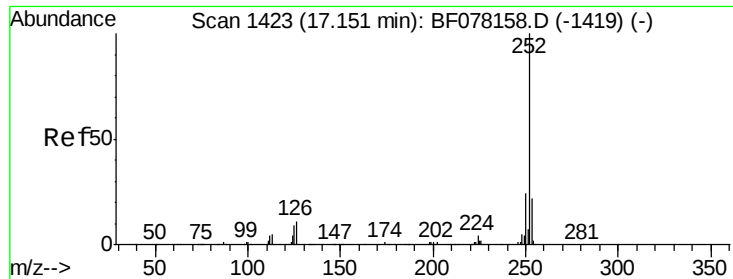
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#86
Perylene-d12
Concen: 20.00 ng
RT: 17.44 min Scan# 1422
Delta R.T. 0.15 min
Lab File: BF078499.D
Acq: 14 Apr 2015 11:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	22.1	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 15.76 ng m

RT: 16.98 min Scan# 1382

Delta R.T. 0.10 min

Lab File: BF078499.D

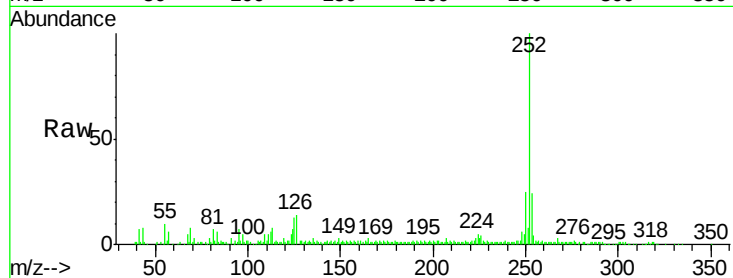
Acq: 14 Apr 2015 11:48

Instrument :

BNA_F

ClientSampleId :

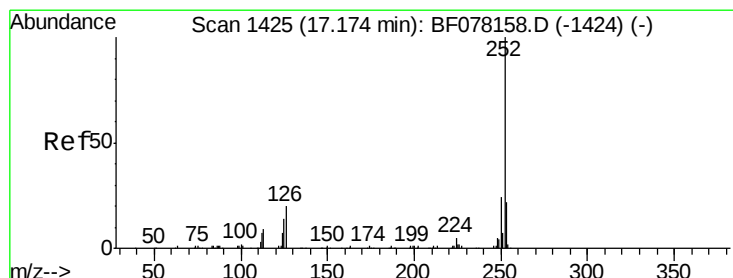
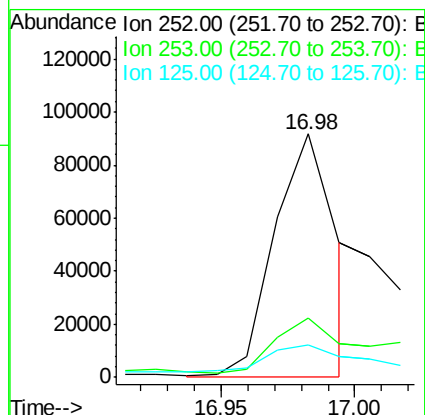
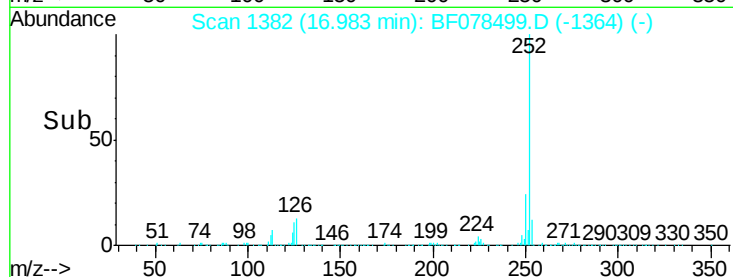
SB-0D



Tgt Ion:	252	Resp:	145299
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.2	25.8
125	13.1	7.0	10.4

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#88

Benzo(k)fluoranthene

Concen: 7.16 ng m

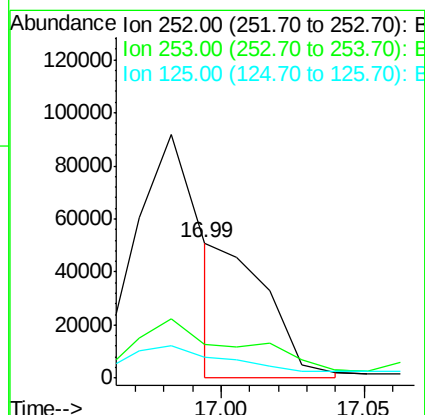
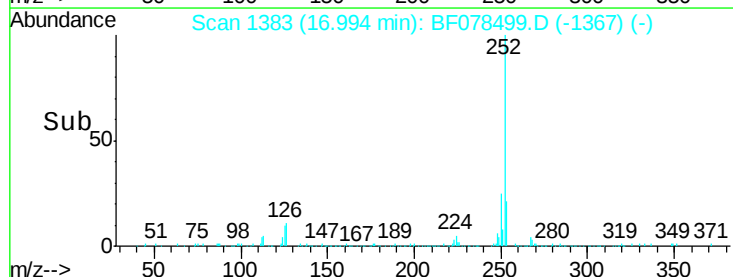
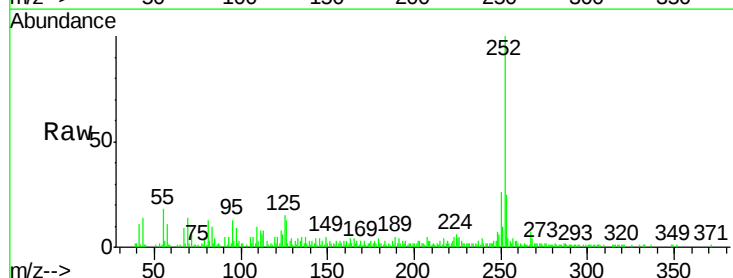
RT: 16.99 min Scan# 1383

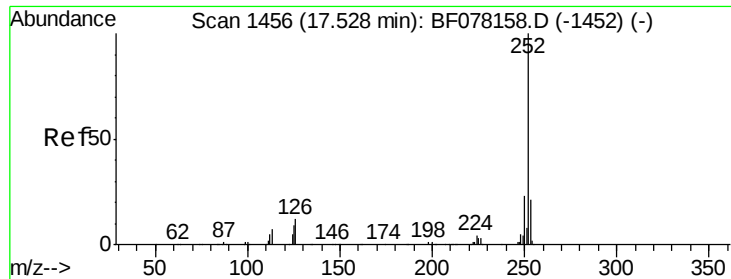
Delta R.T. 0.08 min

Lab File: BF078499.D

Acq: 14 Apr 2015 11:48

Tgt Ion:	252	Resp:	58695
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.5	26.3
125	15.2	11.6	17.4





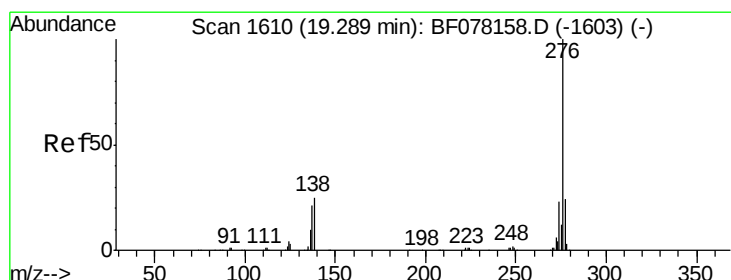
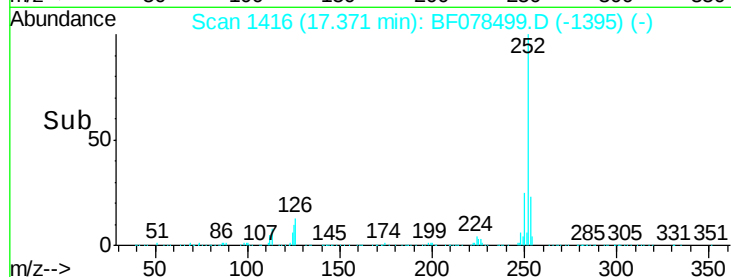
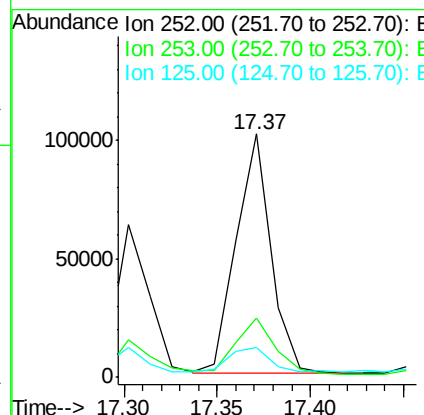
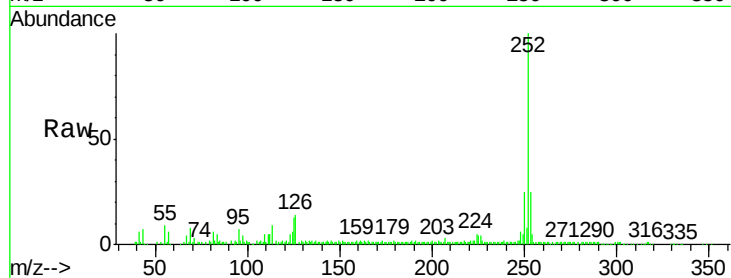
#89
Benzo(a)pyrene
Concen: 16.31 ng
RT: 17.37 min Scan# 1416
Delta R.T. 0.14 min
Lab File: BF078499.D
Acq: 14 Apr 2015 11:48

Instrument :
BNA_F
ClientSampleId :
SB-0D

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.5	16.8	25.2
125	12.5	7.4	11.0

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#91
Benzo(g,h,i)perylene
Concen: 9.11 ng m
RT: 19.05 min Scan# 1563
Delta R.T. 0.21 min
Lab File: BF078499.D
Acq: 14 Apr 2015 11:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.2	19.0	28.4
138	27.8	19.9	29.9

