

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
 Data File : BF078393.D
 Acq On : 10 Apr 2015 9:42
 Operator : TP/IZ
 Sample : G1793-09DL 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6DADL

Manual Integrations
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Quant Time: Apr 10 13:02:38 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 11:29:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	35747	20.00	ng	0.00
21) Naphthalene-d8	8.46	136	142985	20.00	ng	0.00
38) Acenaphthene-d10	10.62	164	73163	20.00	ng	-0.01
63) Phenanthrene-d10	12.45	188	139473	20.00	ng	-0.01
75) Chrysene-d12	15.73	240	139082	20.00	ng	-0.01
86) Perylene-d12	17.49	264	145172	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	8305	3.83	ng	-0.01
7) Phenol-d6	6.49	99	13510	4.97	ng	0.01
23) Nitrobenzene-d5	7.58	82	7684	3.26	ng	0.00
41) 2,4,6-Tribromophenol	11.61	330	4244	6.99	ng	-0.01
44) 2-Fluorobiphenyl	9.81	172	23243	4.54	ng	0.00
78) Terphenyl-d14	14.44	244	30346	4.93	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.49	128	704760	94.70	ng	99
37) 2-Methylnaphthalene	9.34	142	178453	35.32	ng	98
45) 1,1'-Biphenyl	9.93	154	66307	11.08	ng	99
48) Acenaphthylene	10.45	152	42084	5.53	ng	# 94
51) Acenaphthene	10.66	154	151323	35.35	ng	98
54) Dibenzofuran	10.88	168	99580	15.23	ng	98
57) Fluorene	11.30	166	167135	31.54	ng	100
70) Phenanthrene	12.48	178	681771	84.51	ng	99
71) Anthracene	12.55	178	244993	30.82	ng	100
72) Carbazole	12.76	167	25935	3.48	ng	99
74) Fluoranthene	13.95	202	384104	45.14	ng	90
77) Pyrene	14.23	202	375925	43.06	ng	99
80) Benzo(a)anthracene	15.72	228	172824	20.88	ng	97
82) Chrysene	15.76	228	131639	16.93	ng	99
85) Indeno(1,2,3-cd)pyrene	18.76	276	47410	5.37	ng	# 88
87) Benzo(b)fluoranthene	17.04	252	135677m	15.12	ng	
88) Benzo(k)fluoranthene	17.07	252	37687m	4.73	ng	
89) Benzo(a)pyrene	17.43	252	121490	15.52	ng	# 95
91) Benzo(a,h,i)perylene	19.13	276	44537m	5.67	ng	

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

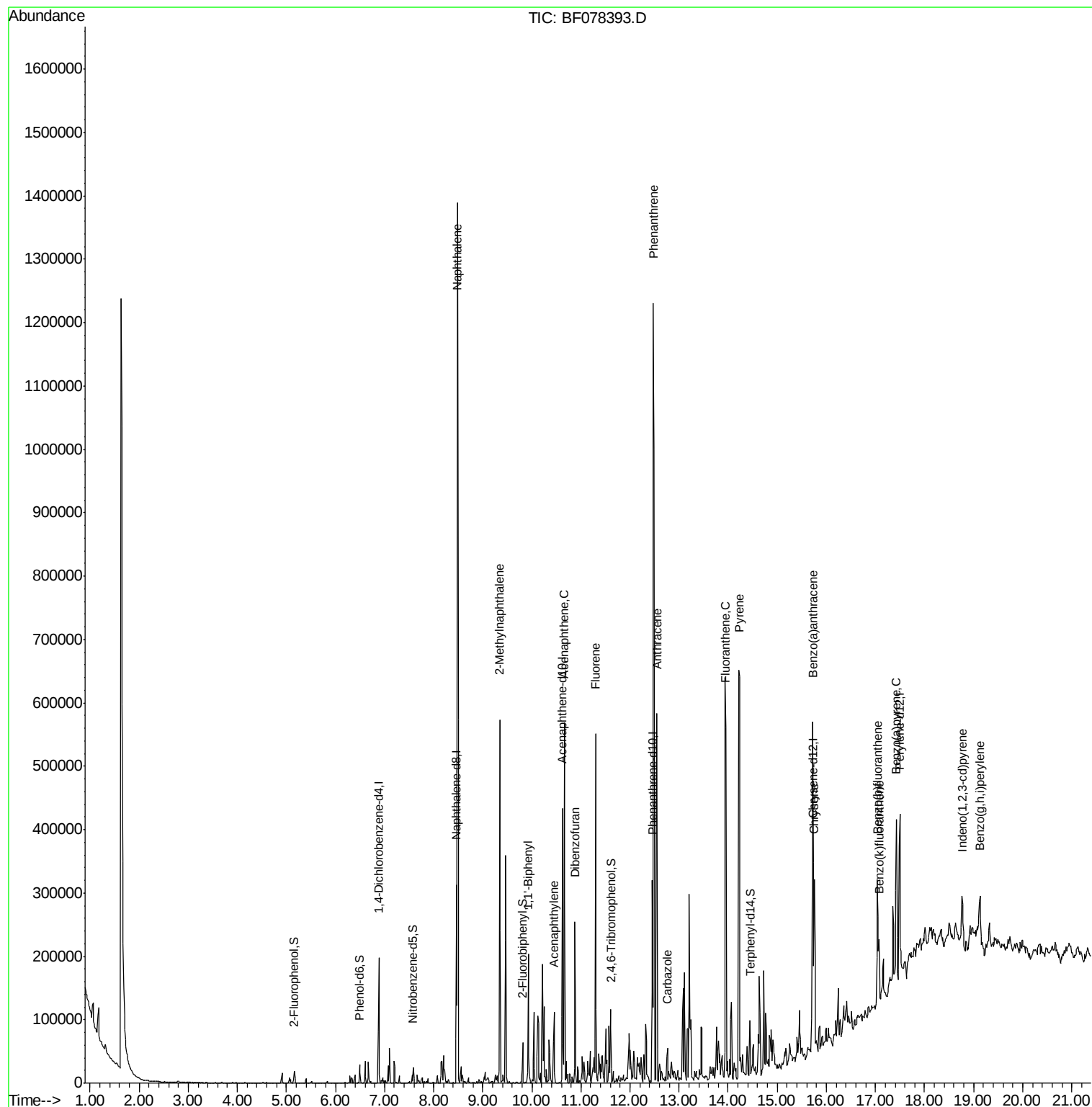
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
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ALS Vial : 34 Sample Multiplier: 1

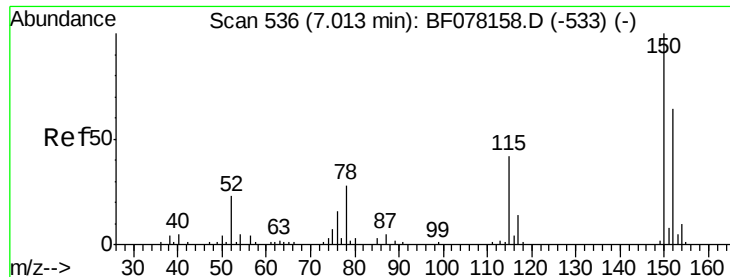
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#1

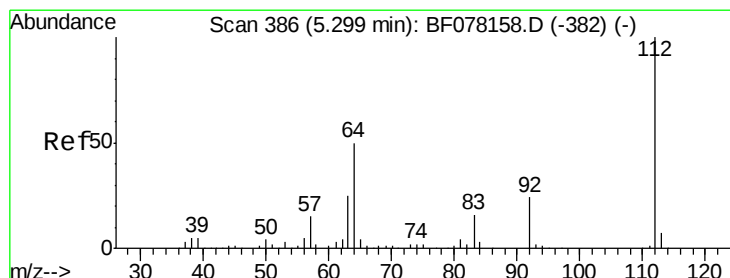
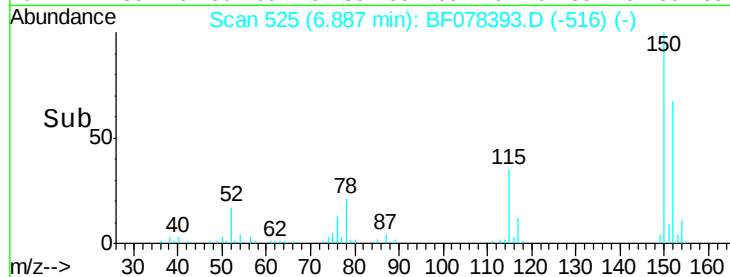
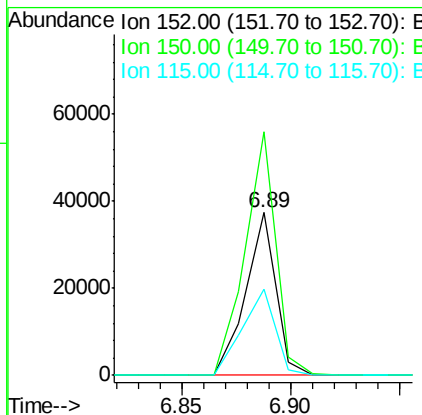
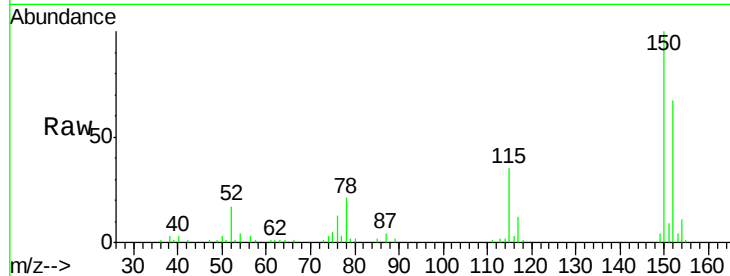
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF078393.D
Acq: 10 Apr 2015 9:42

Instrument :
BNA_F
ClientSampleId :
SB-6DADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	125.9	188.9
115	53.0	52.7	79.1

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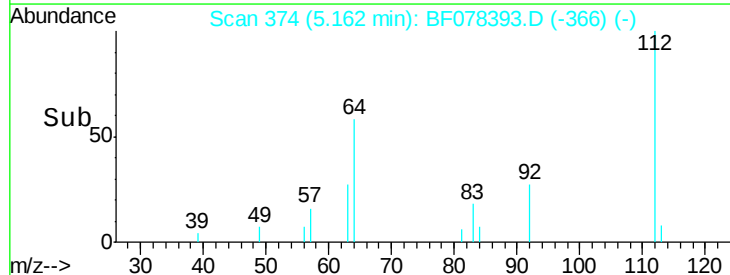
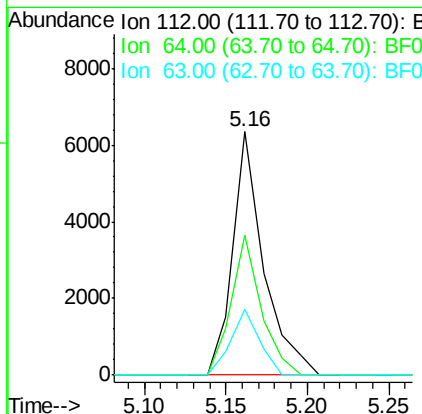
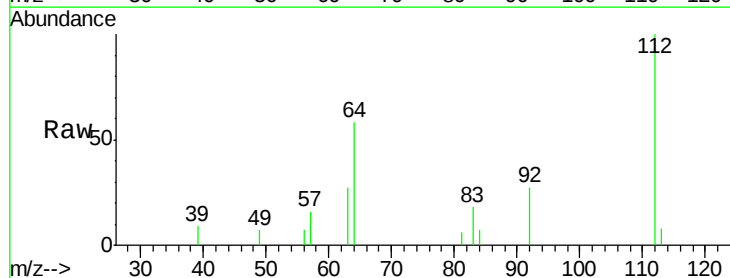
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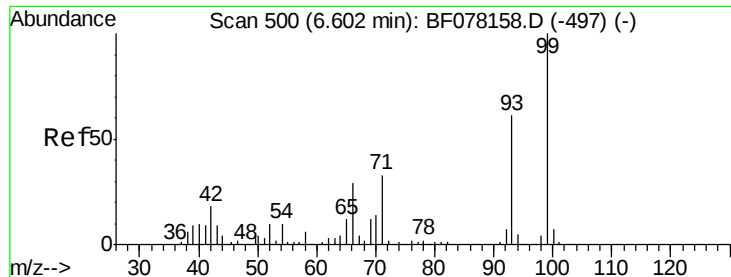


#5

2-Fluorophenol
Concen: 3.83 ng
RT: 5.16 min Scan# 374
Delta R.T. -0.01 min
Lab File: BF078393.D
Acq: 10 Apr 2015 9:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	39.9	59.9
63	27.0	20.2	30.4





#7

Phenol-d6

Concen: 4.97 ng

RT: 6.49 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

Instrument :

BNA_F

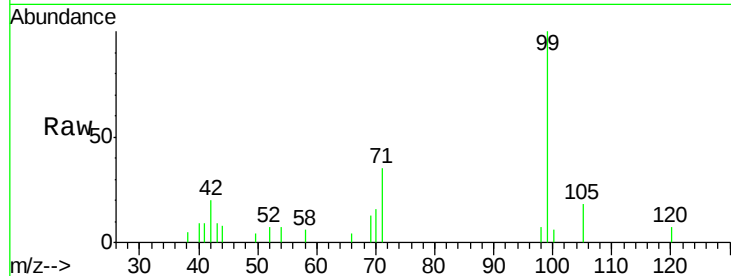
ClientSampleId :

SB-6DADL

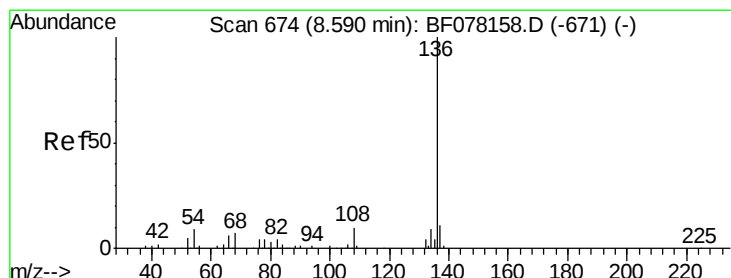
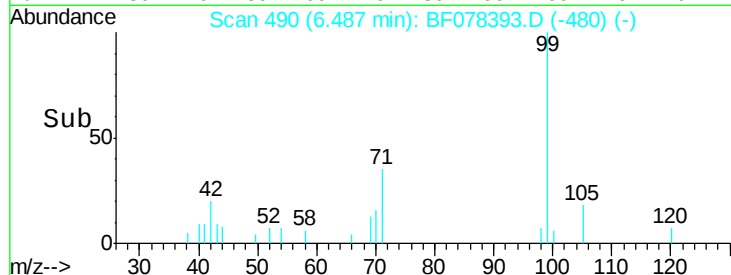
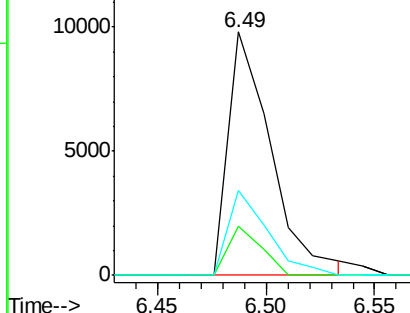
Tot Ion:	99	Resp:	13510
Ion Ratio	Lower	Upper	
99	100		
42	20.2	14.8	22.2
71	34.7	26.6	39.8

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.46 min Scan# 663

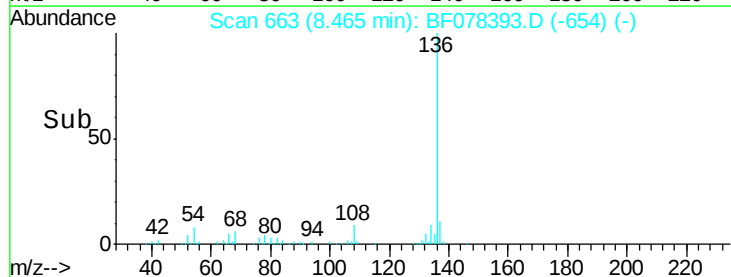
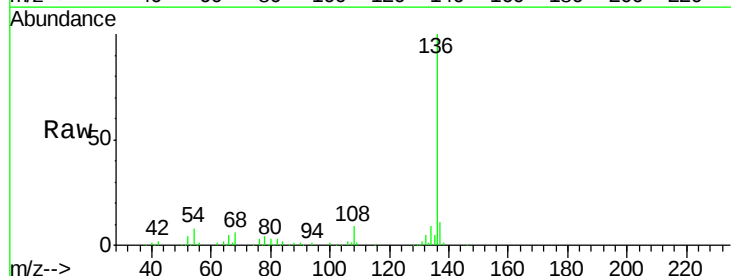
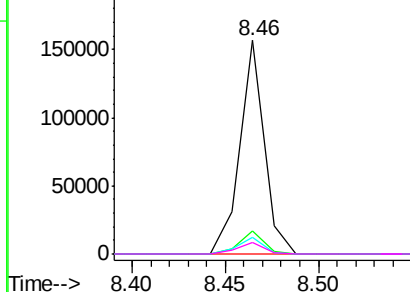
Delta R.T. 0.00 min

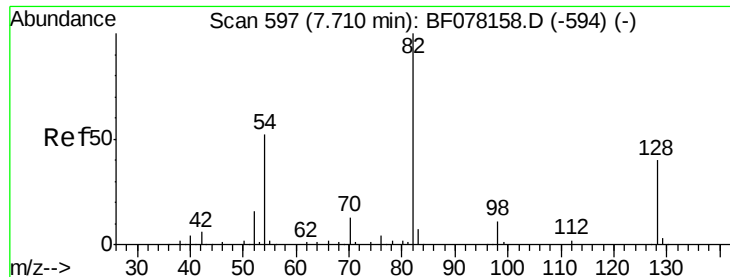
Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

Tgt Ion:	136	Resp:	142985
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	7.5	7.0	10.6
68	5.6	5.4	8.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





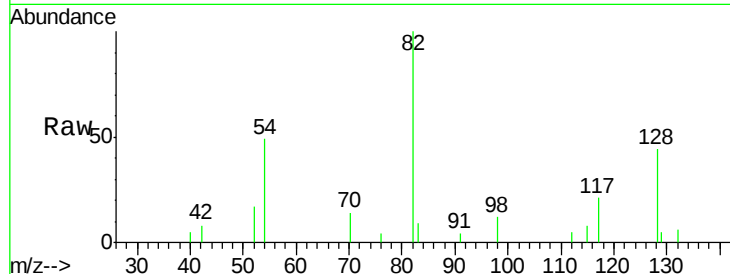
#23
 Nitrobenzene-d5
 Concen: 3.26 ng
 RT: 7.58 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: BF078393.D
 Acq: 10 Apr 2015 9:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-6DADL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	31.8	47.8
54	49.2	41.5	62.3

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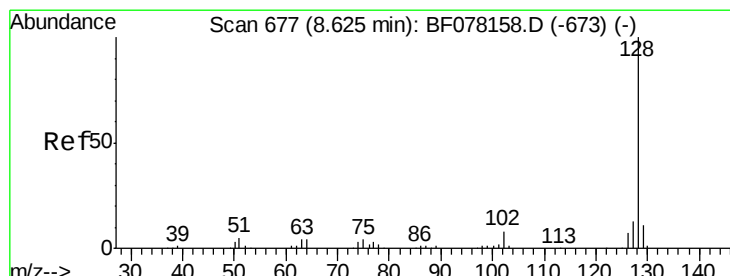
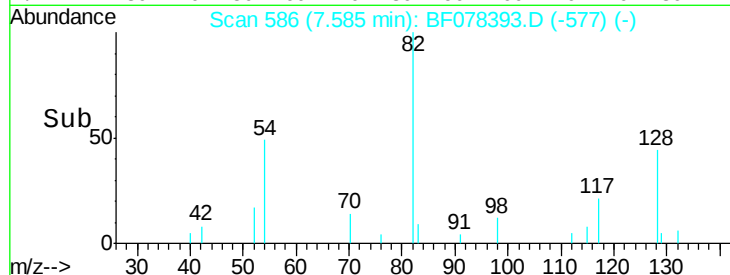
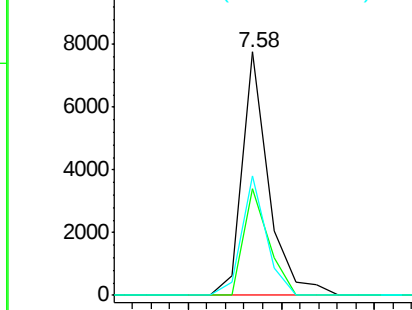


Abundance

Ion 82.00 (81.70 to 82.70): BF0

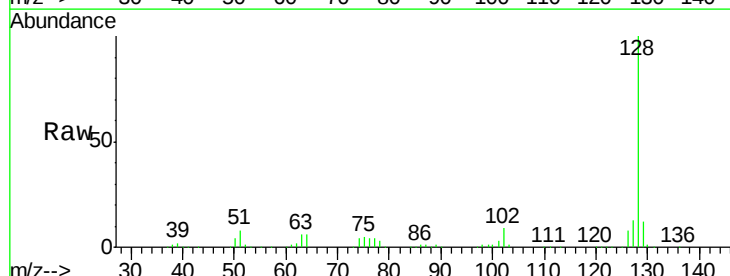
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31
 Naphthalene
 Concen: 94.70 ng
 RT: 8.49 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: BF078393.D
 Acq: 10 Apr 2015 9:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.6	12.8
127	13.4	10.7	16.1

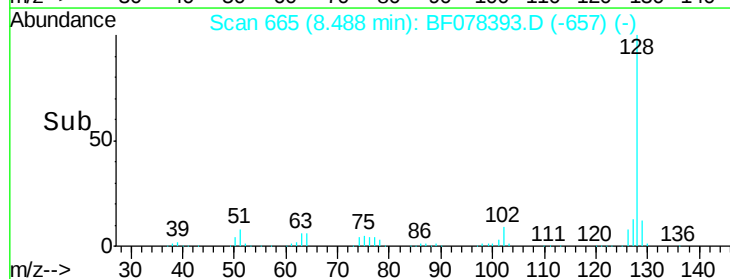
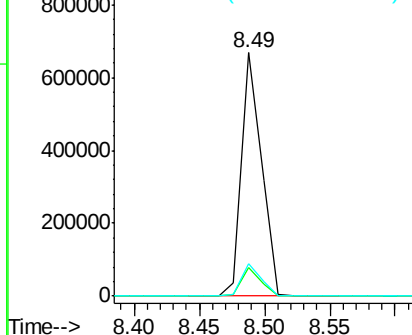


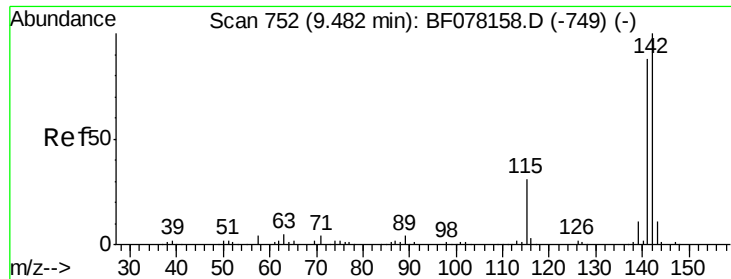
Abundance

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





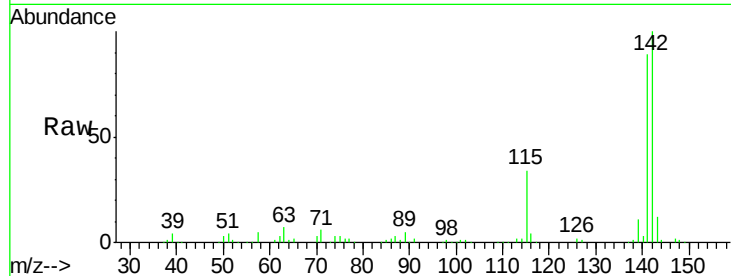
#37
2-Methylnaphthalene
Concen: 35.32 ng
RT: 9.34 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF078393.D
Acq: 10 Apr 2015 9:42

Instrument :
BNA_F
ClientSampleId :
SB-6DADL

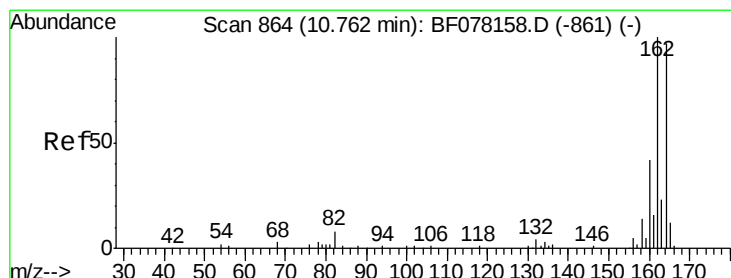
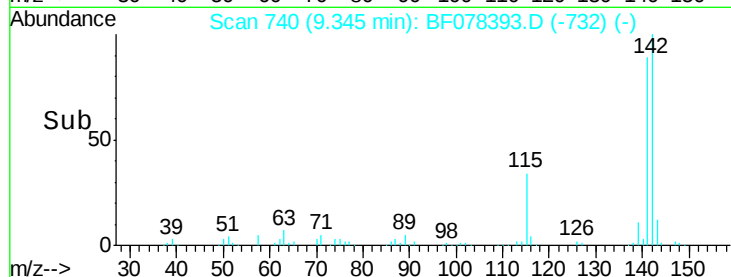
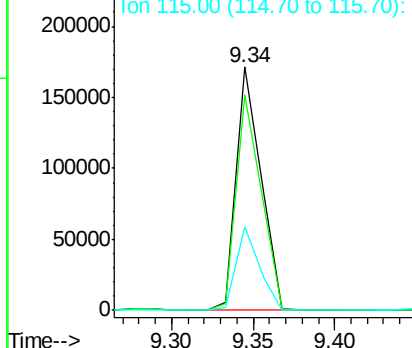
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.3	105.5
115	34.5	24.6	37.0

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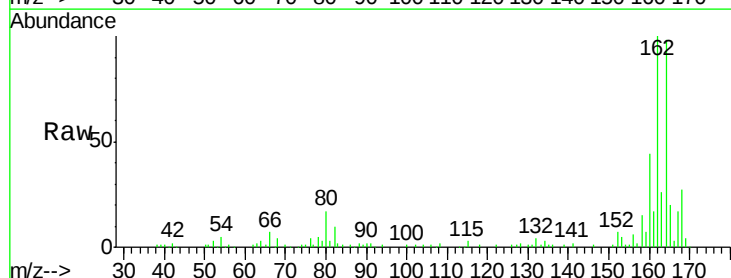


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

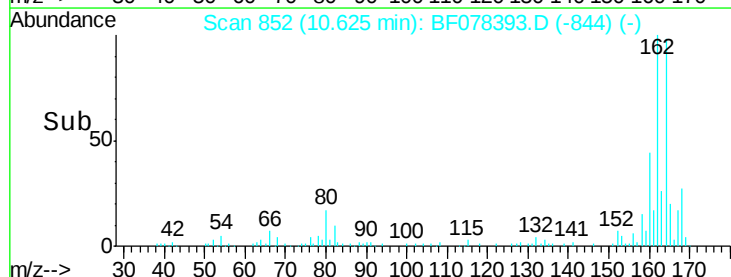
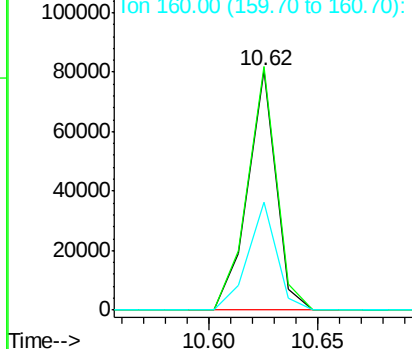


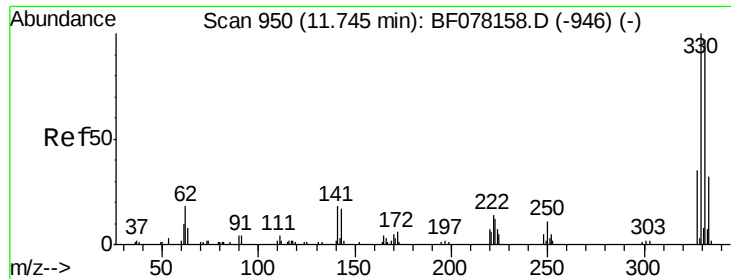
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.62 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF078393.D
Acq: 10 Apr 2015 9:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.2	123.2
160	44.9	34.7	52.1



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





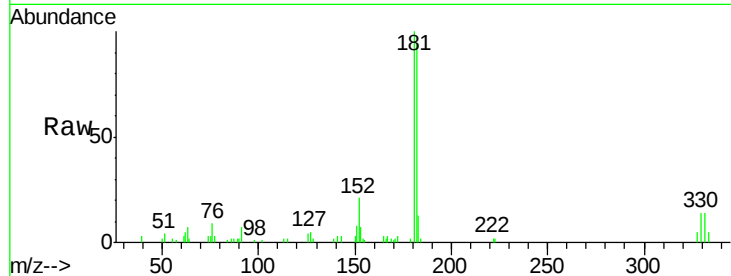
#41
 2,4,6-Tribromophenol
 Concen: 6.99 ng
 RT: 11.61 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF078393.D
 Acq: 10 Apr 2015 9:42

Instrument :
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 ClientSampleId :
 SB-6DADL

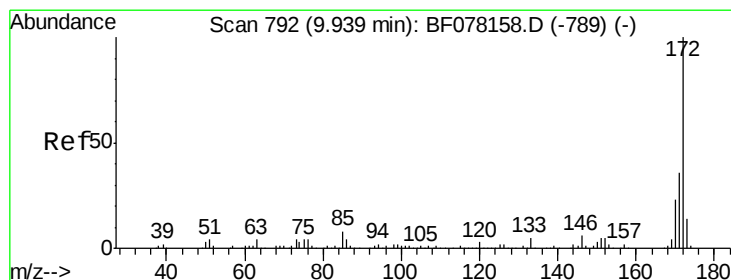
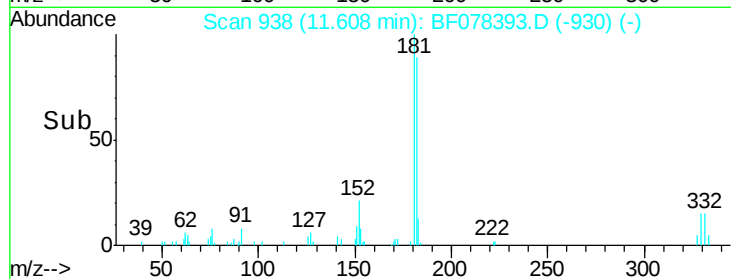
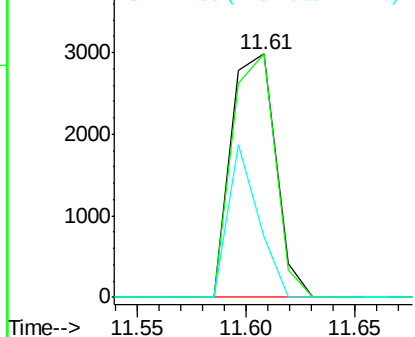
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.6	117.8
141	42.1	31.2	46.8

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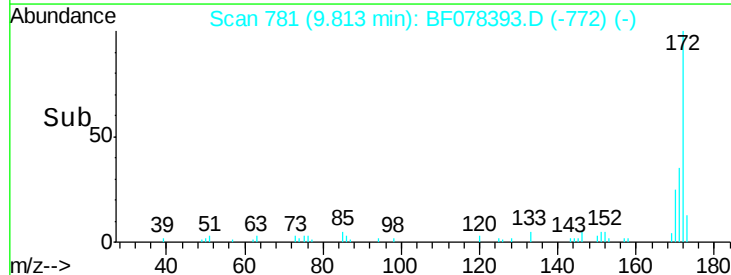
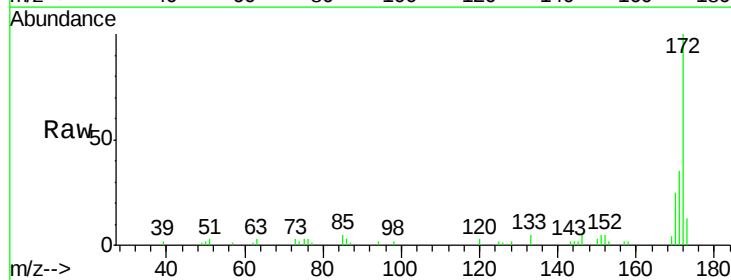
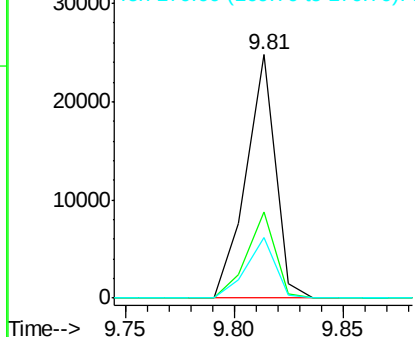
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

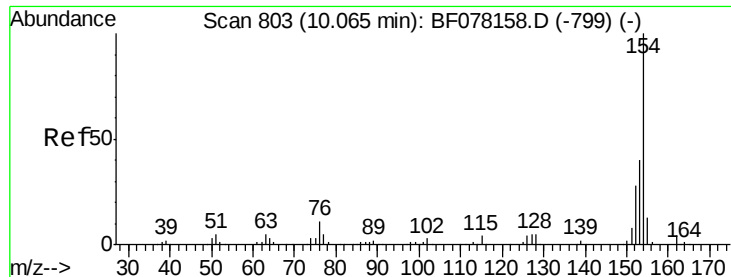


#44
 2-Fluorobiphenyl
 Concen: 4.54 ng
 RT: 9.81 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: BF078393.D
 Acq: 10 Apr 2015 9:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	24.8	18.5	27.7

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 11.08 ng

RT: 9.93 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

Instrument :

BNA_F

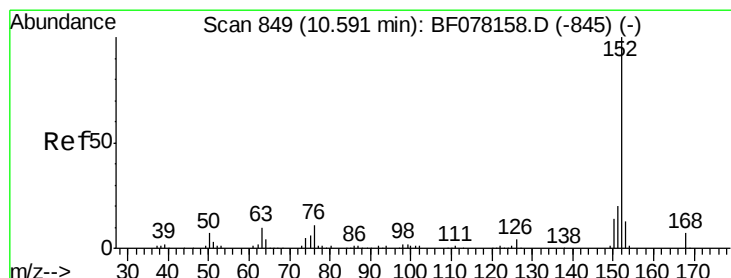
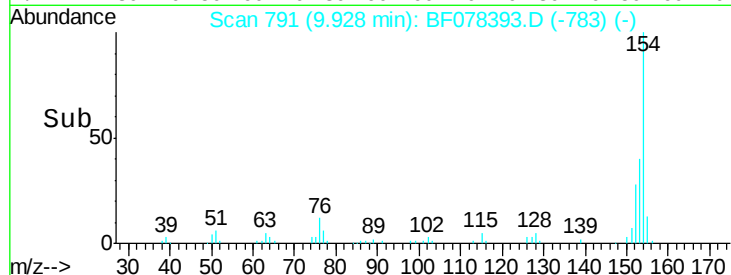
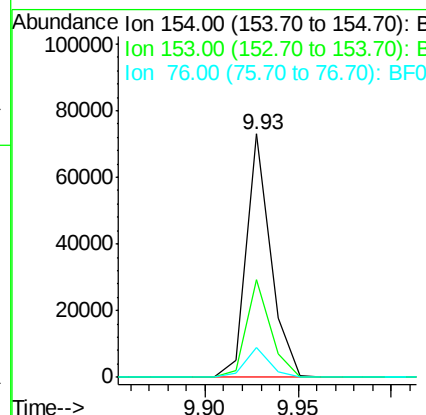
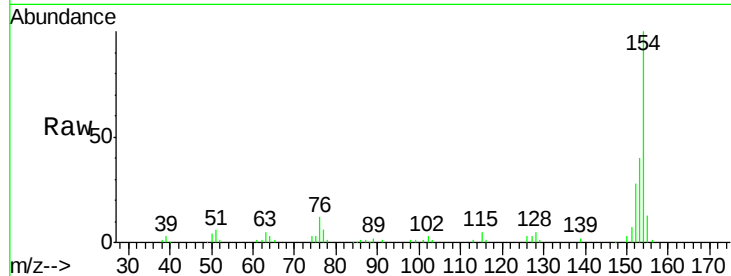
ClientSampleId :

SB-6DADL

Tot Ion:	154	Resp:	66307
Ion Ratio	Lower	Upper	
154	100		
153	40.0	20.0	60.0
76	12.3	0.0	30.6

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#48

Acenaphthylene

Concen: 5.53 ng

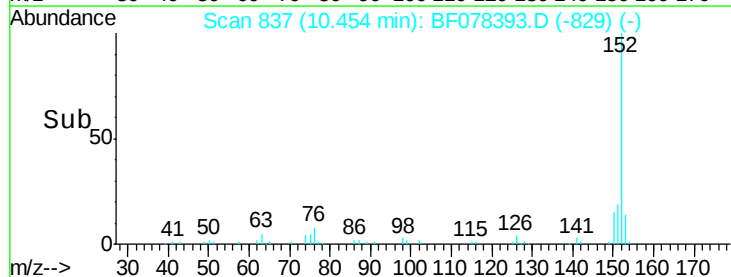
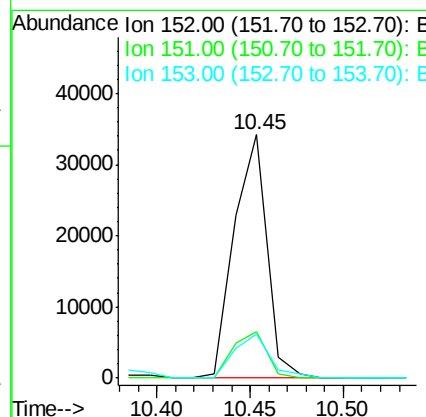
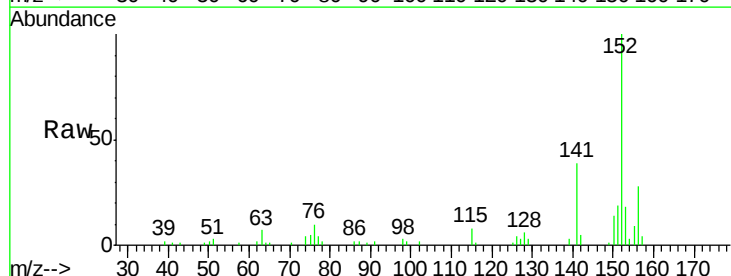
RT: 10.45 min Scan# 837

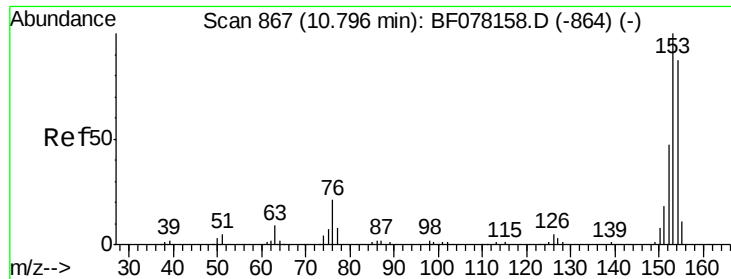
Delta R.T. -0.01 min

Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

Tgt Ion:	152	Resp:	42084
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.7	23.5
153	17.9	10.2	15.2#





#51

Acenaphthene

Concen: 35.35 ng

RT: 10.66 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

Instrument :

BNA_F

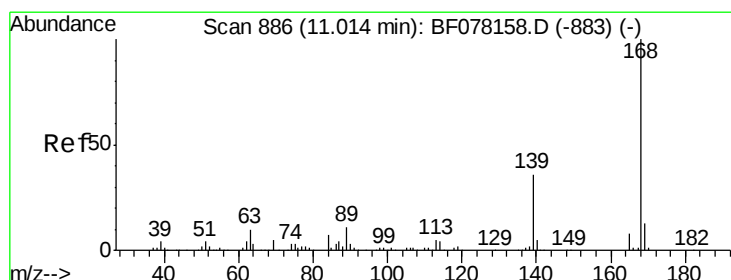
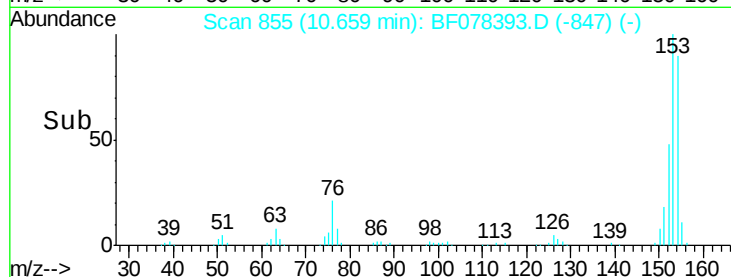
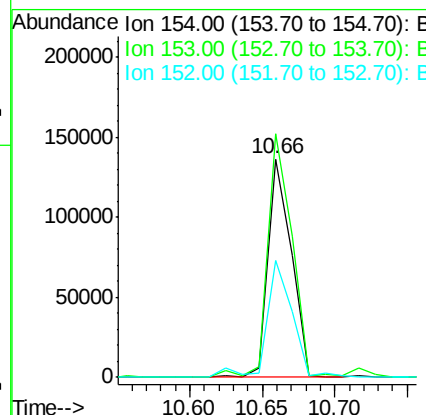
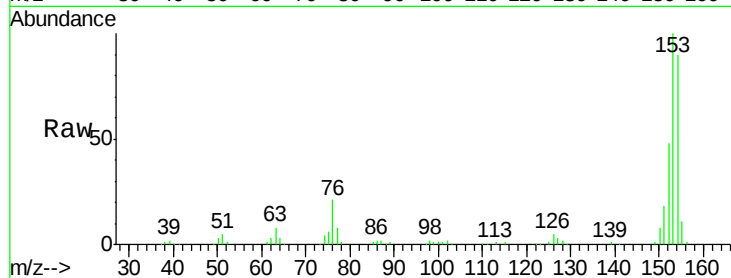
ClientSampleId :

SB-6DADL

Tot Ion:	154	Resp:	151323
Ion Ratio	Lower	Upper	
154	100		
153	111.4	91.4	137.2
152	53.5	43.0	64.6

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#54

Dibenzofuran

Concen: 15.23 ng

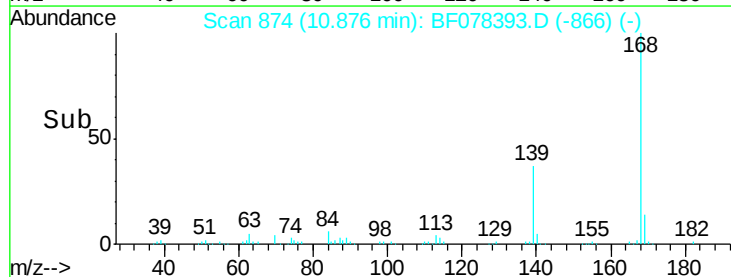
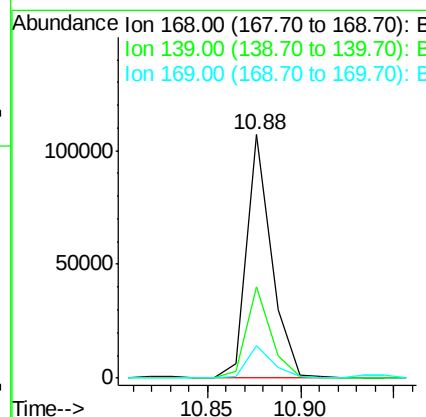
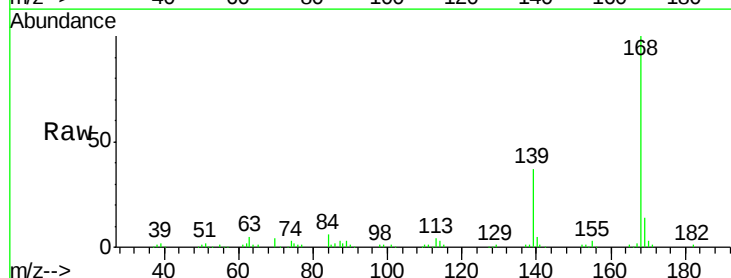
RT: 10.88 min Scan# 874

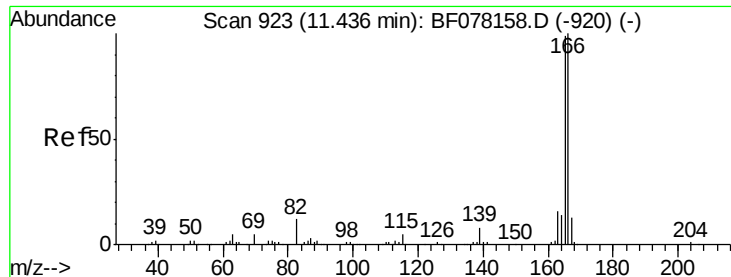
Delta R.T. -0.01 min

Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

Tgt Ion:	168	Resp:	99580
Ion Ratio	Lower	Upper	
168	100		
139	37.4	31.0	46.4
169	13.5	10.7	16.1





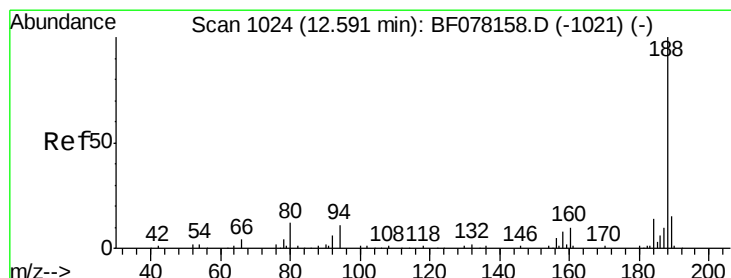
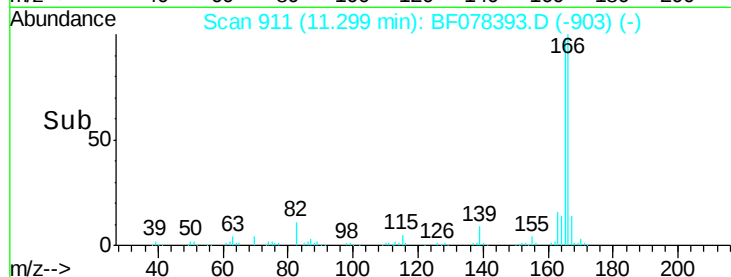
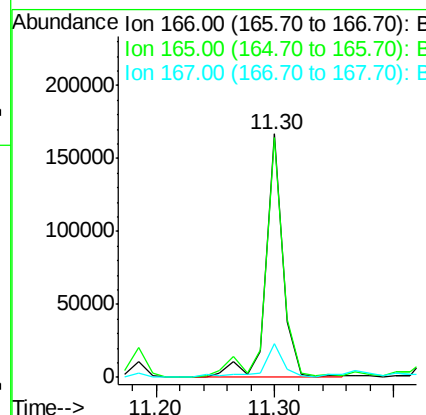
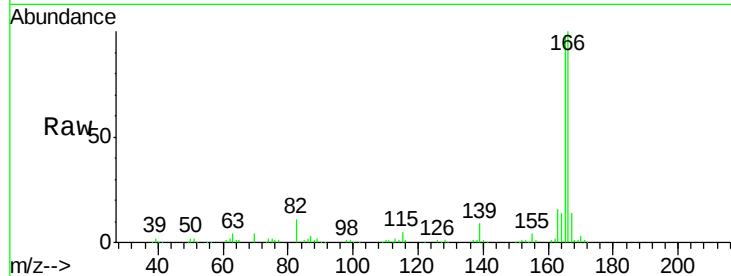
#57
Fluorene
 Concen: 31.54 ng
 RT: 11.30 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF078393.D
 Acq: 10 Apr 2015 9:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-6DADL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	167135		
165	98.2	78.9	118.3	
167	13.8	10.7	16.1	

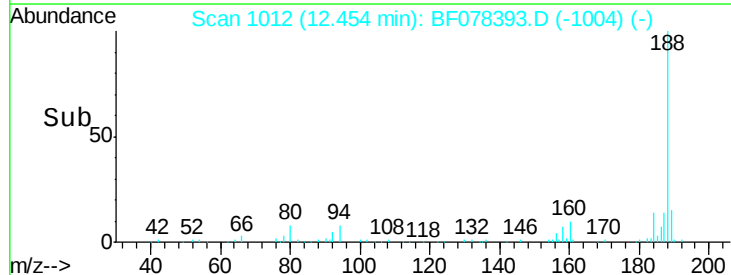
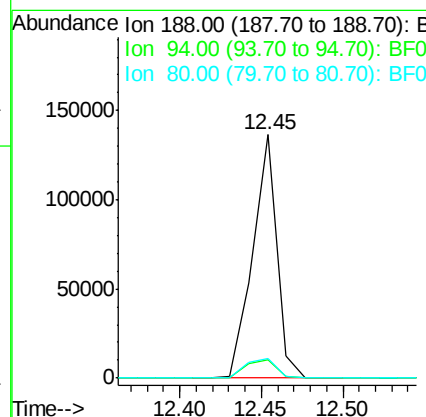
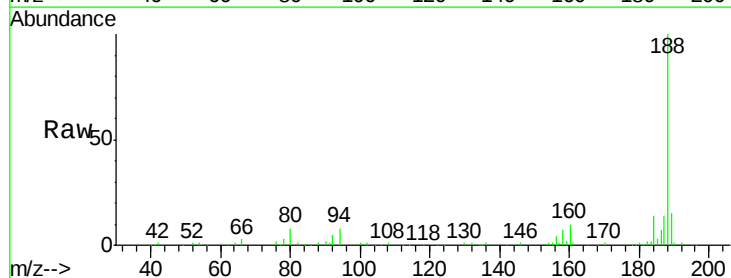
Manual Integrations
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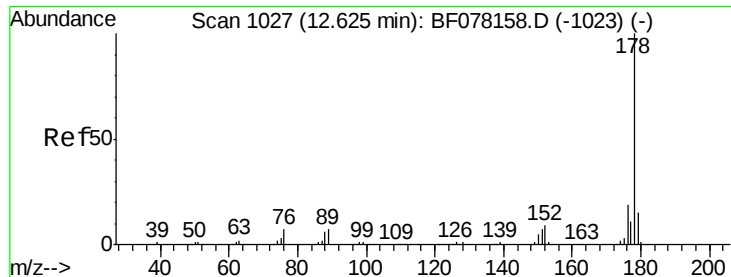
apatel
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.45 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BF078393.D
 Acq: 10 Apr 2015 9:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	139473		
94	7.7	9.0	13.4#	
80	8.0	9.5	14.3#	





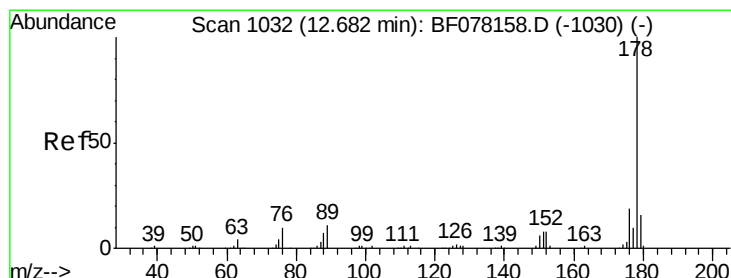
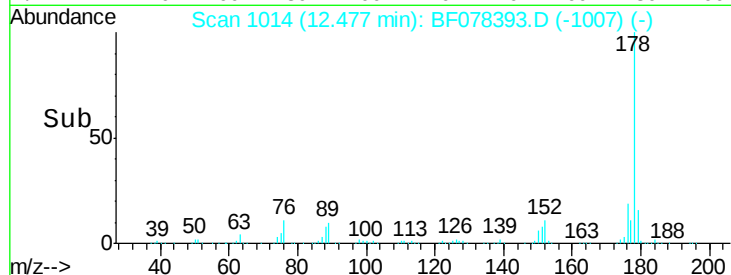
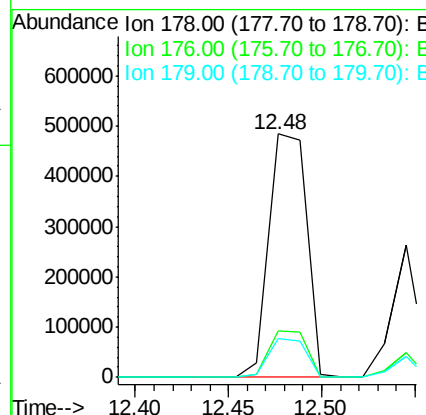
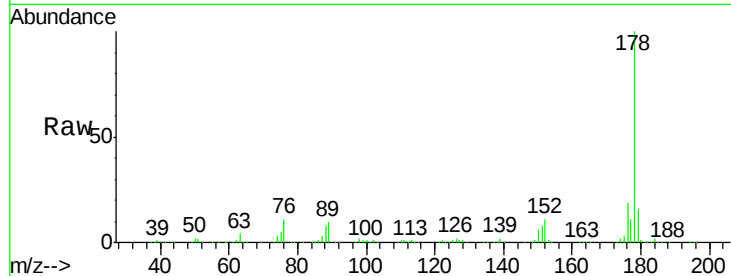
#70
Phenanthrene
Concen: 84.51 ng
RT: 12.48 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF078393.D
Acq: 10 Apr 2015 9:42

Instrument :
BNA_F
ClientSampleId :
SB-6DADL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.8	12.2	18.2

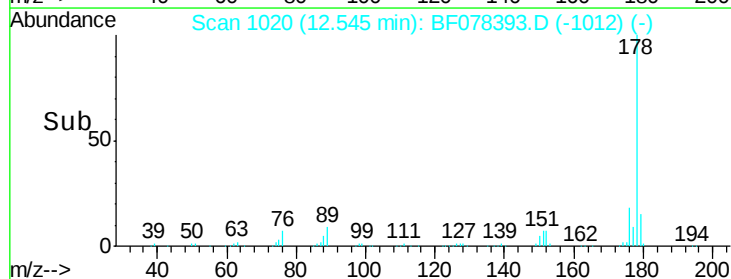
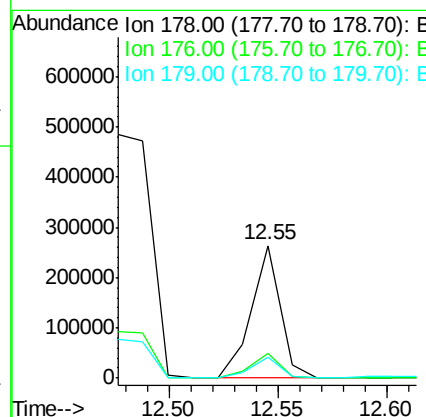
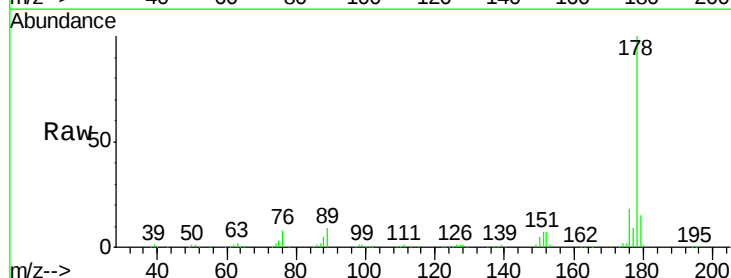
Manual Integrations
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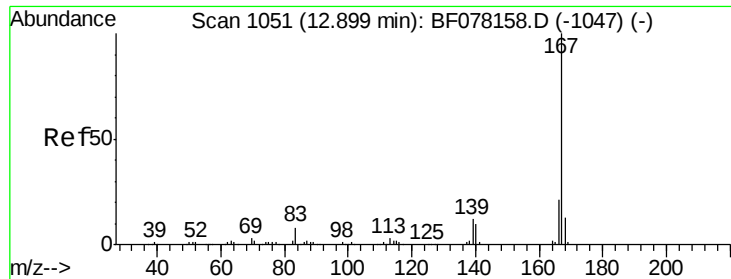
apatel
4/10/2015 5:13:50 PM



#71
Anthracene
Concen: 30.82 ng
RT: 12.55 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF078393.D
Acq: 10 Apr 2015 9:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.4	12.4	18.6





#72

Carbazole

Concen: 3.48 ng

RT: 12.76 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

Instrument :

BNA_F

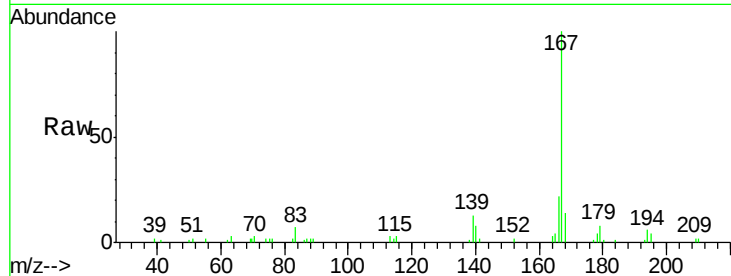
ClientSampleId :

SB-6DADL

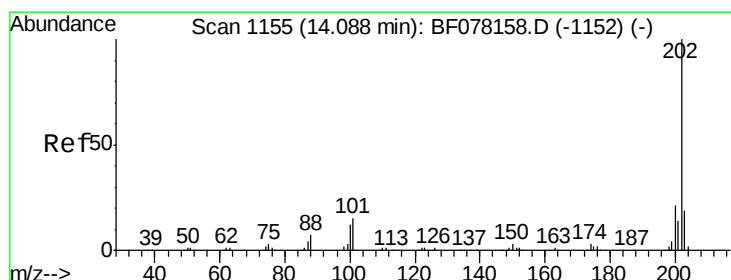
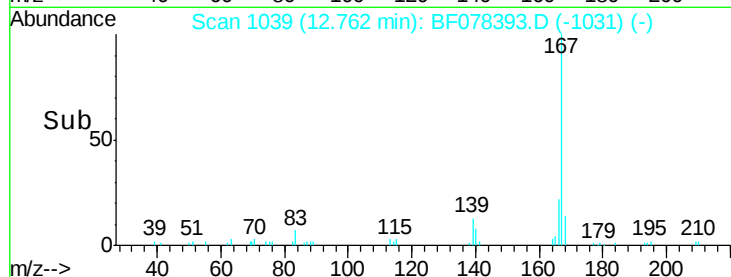
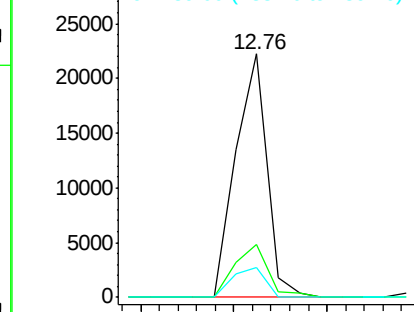
Tot Ion:	167	Resp:	25935
Ion Ratio	Lower	Upper	
167	100		
166	21.9	16.8	25.2
139	12.5	10.0	15.0

Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 45.14 ng

RT: 13.95 min Scan# 1143

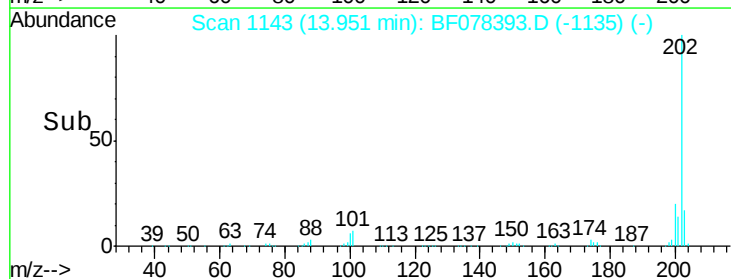
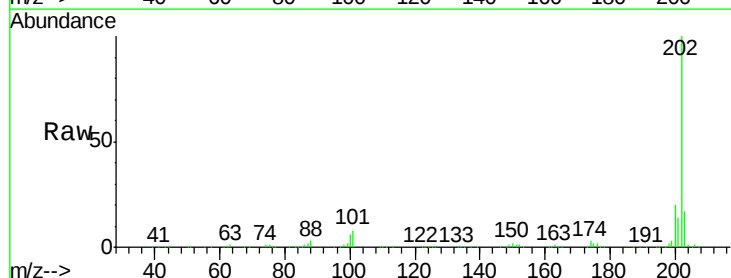
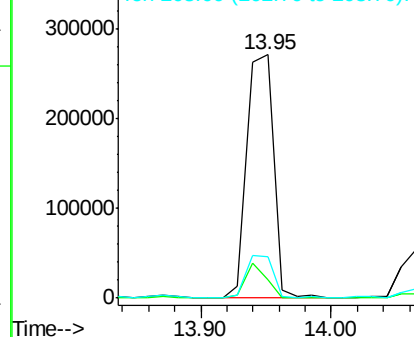
Delta R.T. -0.01 min

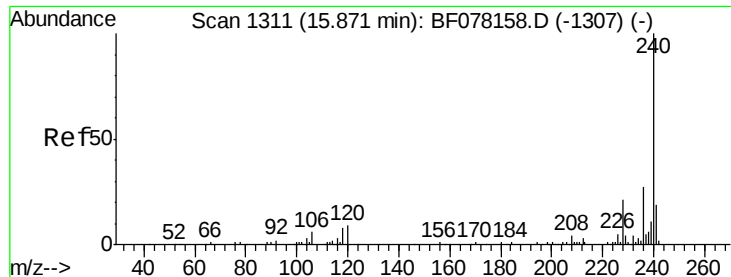
Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

Tgt Ion:	202	Resp:	384104
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	35.2
203	17.1	0.0	38.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

Instrument :

BNA_F

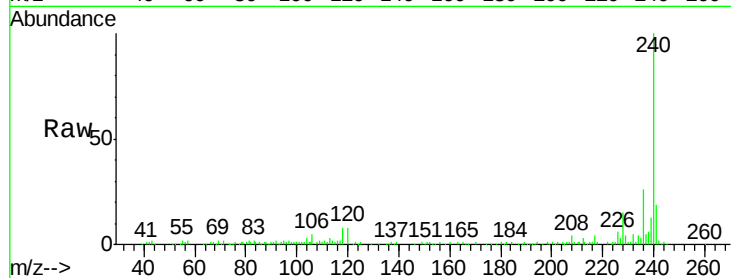
ClientSampleId :

SB-6DADL

Tot Ion:	240	Resp:	139082
Ion Ratio	Lower	Upper	
240	100		
120	8.5	7.1	10.7
236	26.3	21.4	32.2

Manual Integrations
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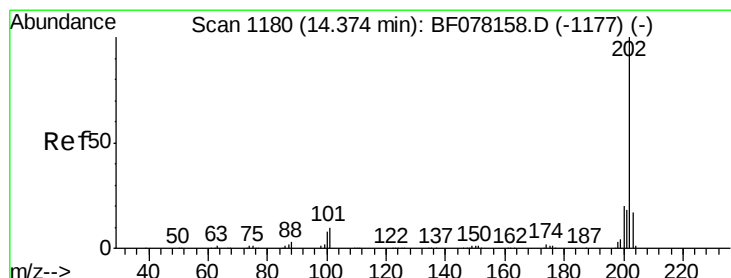
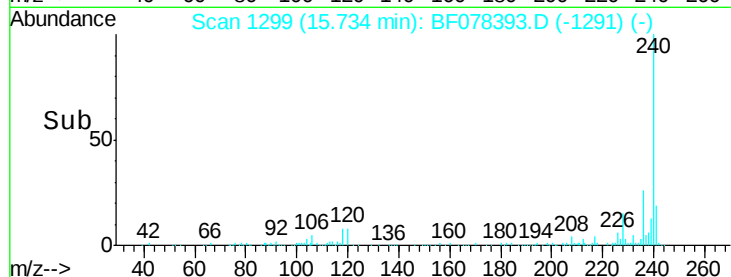
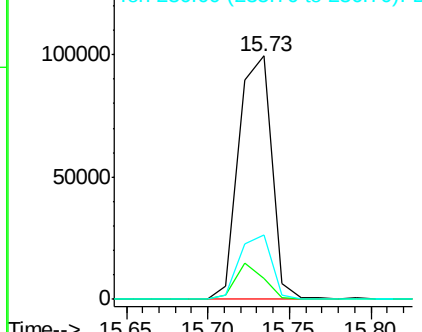
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 43.06 ng

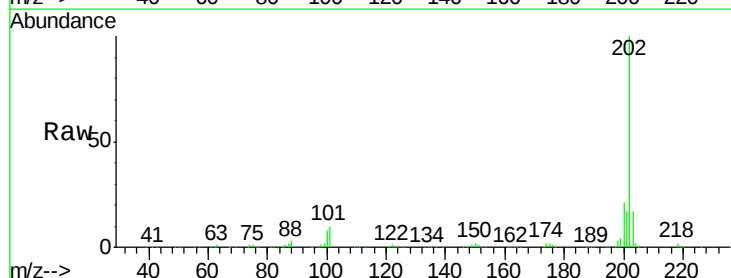
RT: 14.23 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

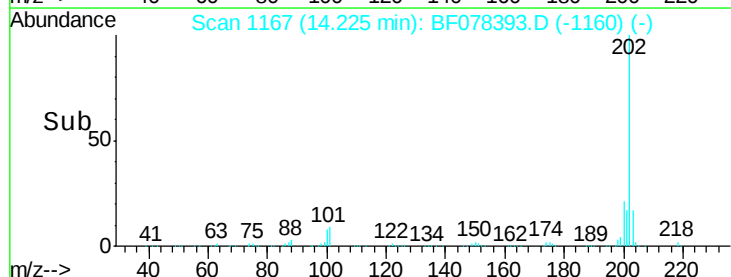
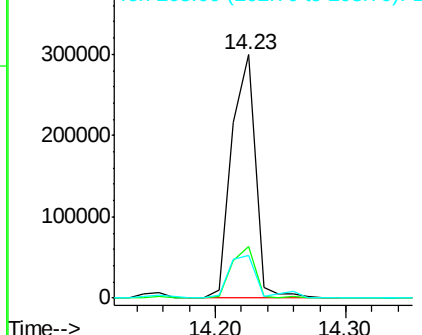
Tgt Ion:	202	Resp:	375925
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.3	24.5
203	17.5	13.8	20.6

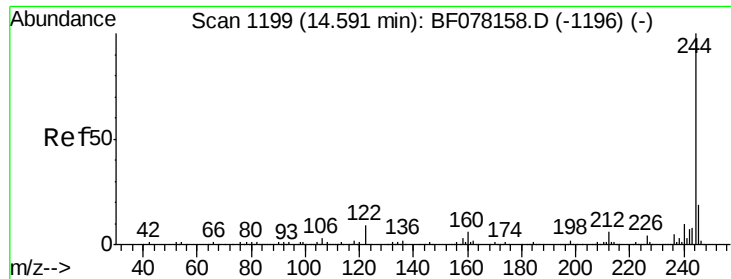


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





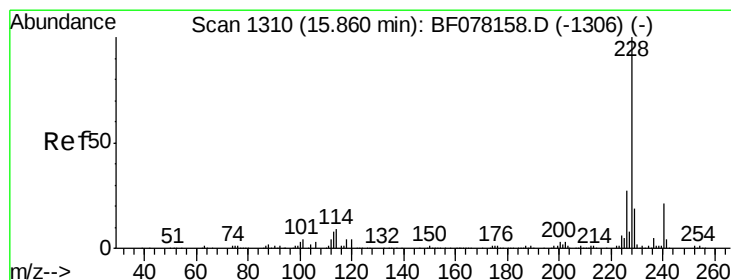
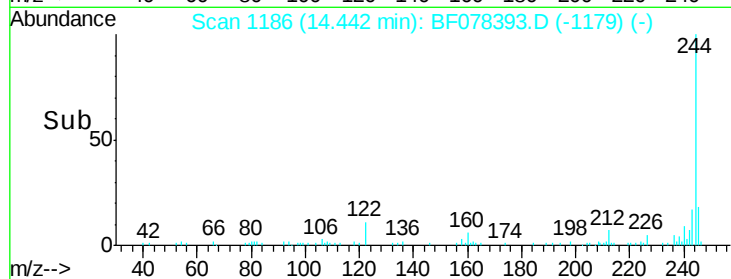
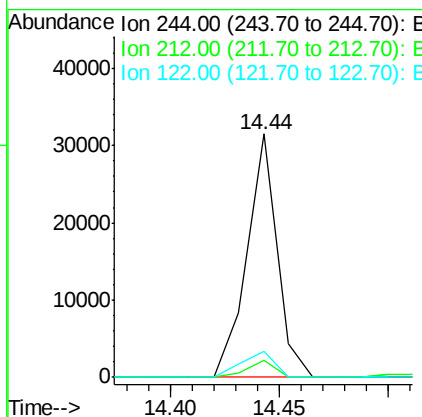
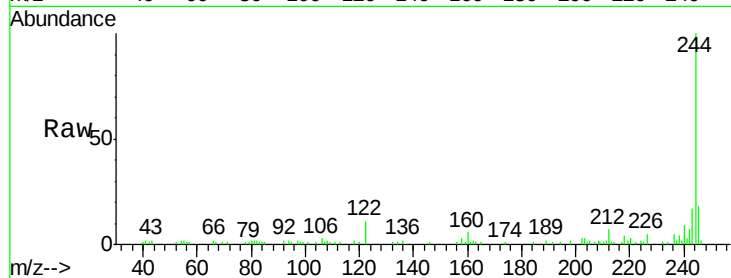
#78
 Terphenyl-d14
 Concen: 4.93 ng
 RT: 14.44 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF078393.D
 Acq: 10 Apr 2015 9:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-6DADL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.0	7.4
122	10.9	7.1	10.7

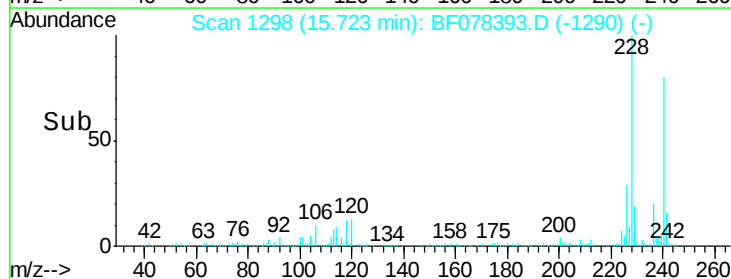
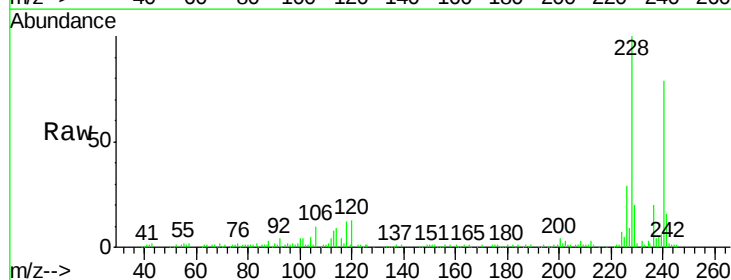
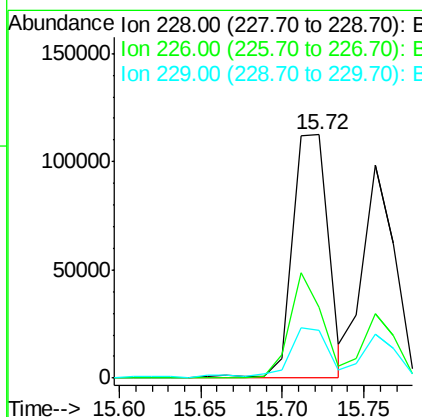
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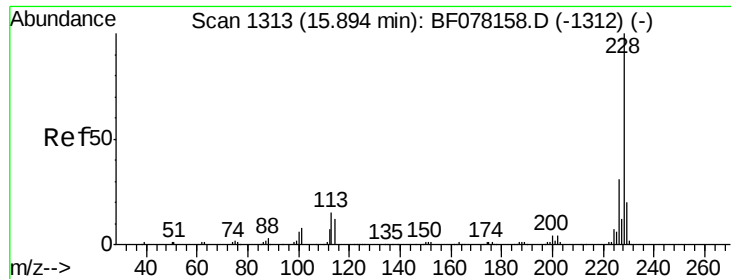
apatel
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#80
 Benzo(a)anthracene
 Concen: 20.88 ng
 RT: 15.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF078393.D
 Acq: 10 Apr 2015 9:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.3	31.9
229	19.5	15.4	23.2





#82

Chrysene

Concen: 16.93 ng

RT: 15.76 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

Instrument :

BNA_F

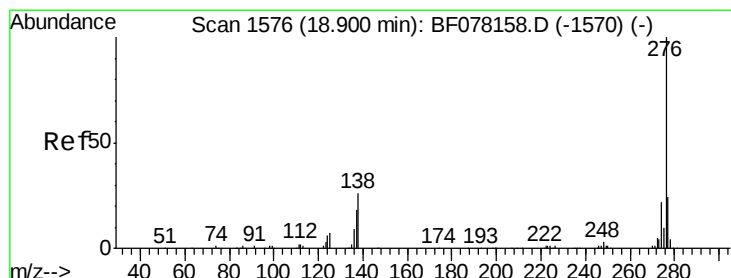
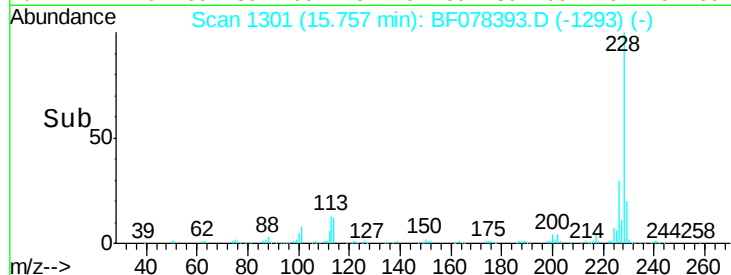
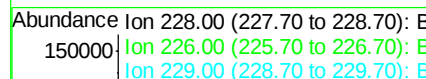
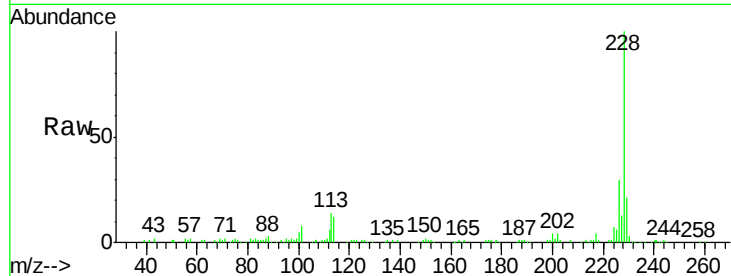
ClientSampled :

SB-6DADL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.5		24.2	36.4	
229	20.9		15.8	23.8	

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.37 ng

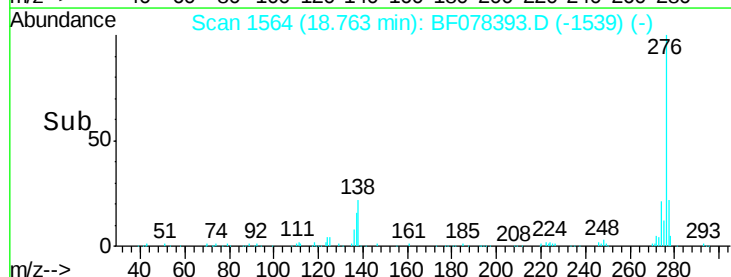
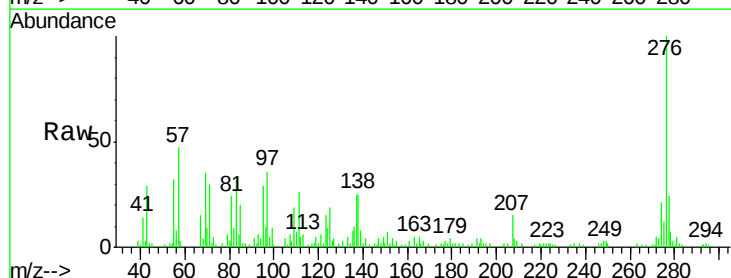
RT: 18.76 min Scan# 1564

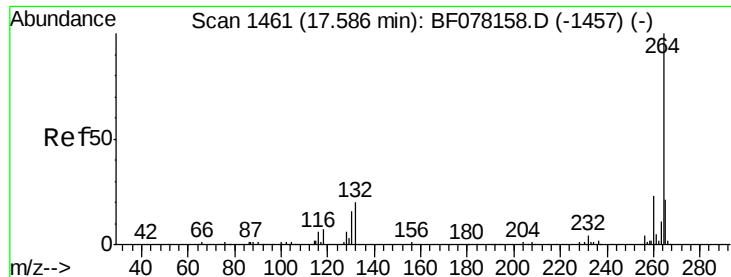
Delta R.T. -0.01 min

Lab File: BF078393.D

Acq: 10 Apr 2015 9:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	23.7		16.9	25.3	
277	28.0		15.8	23.6	





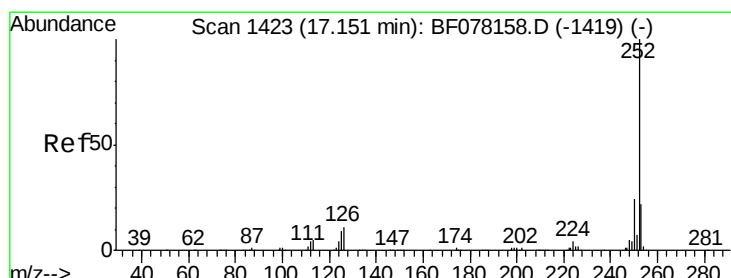
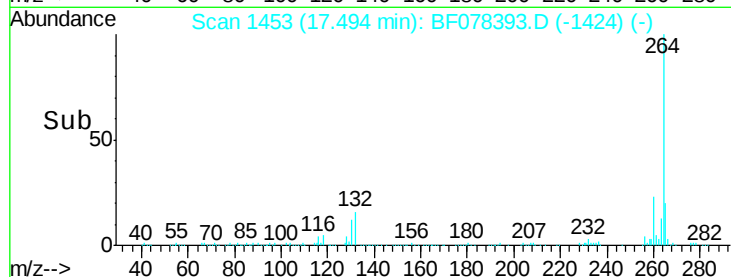
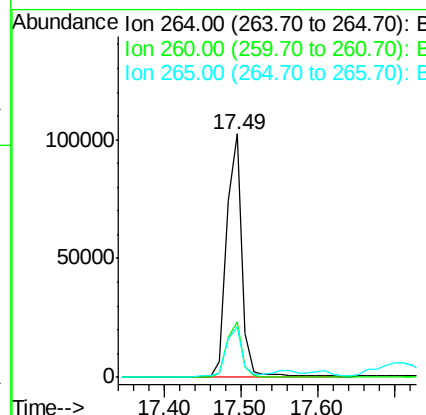
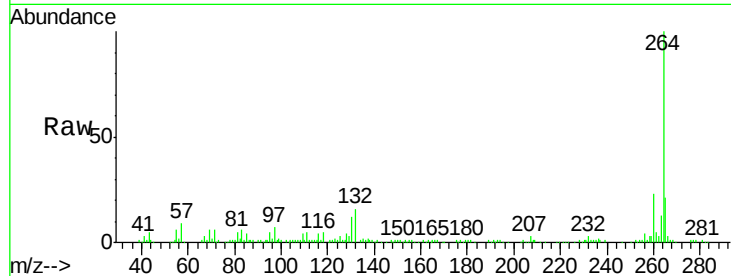
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.49 min Scan# 1453
Delta R.T. 0.03 min
Lab File: BF078393.D
Acq: 10 Apr 2015 9:42

Instrument :
BNA_F
ClientSampled :
SB-6DADL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	20.6	17.0	25.6

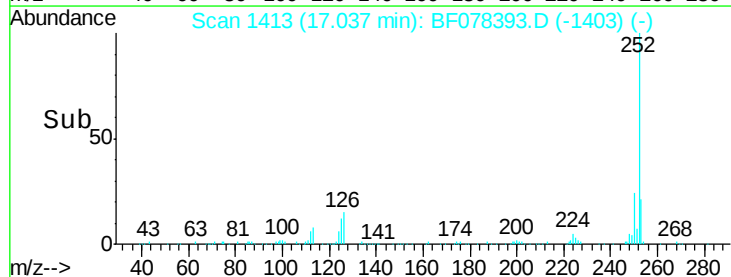
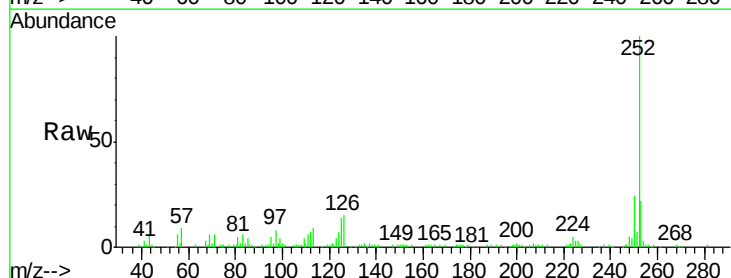
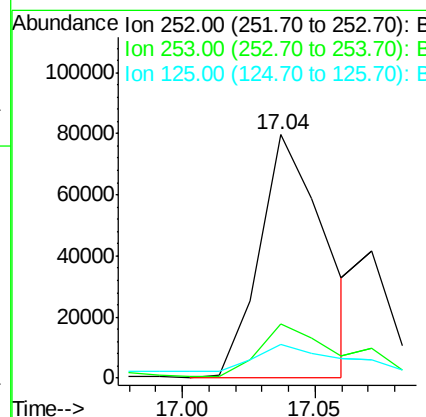
Manual Integrations
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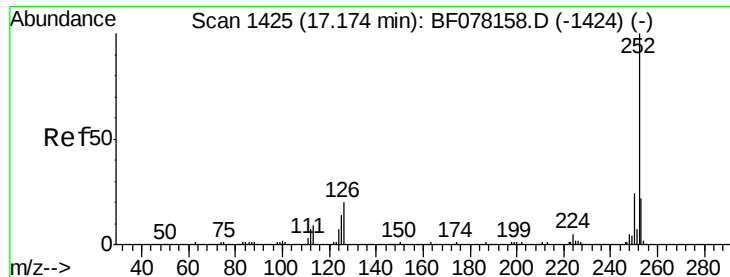
apatel
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#87
Benzo(b)fluoranthene
Concen: 15.12 ng m
RT: 17.04 min Scan# 1413
Delta R.T. 0.01 min
Lab File: BF078393.D
Acq: 10 Apr 2015 9:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	14.1	7.0	10.4#





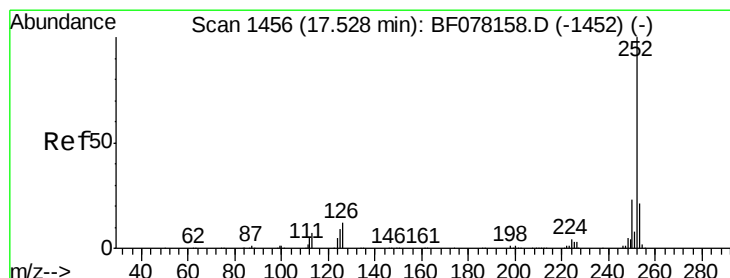
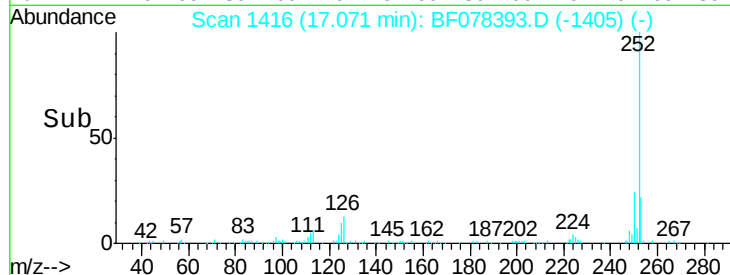
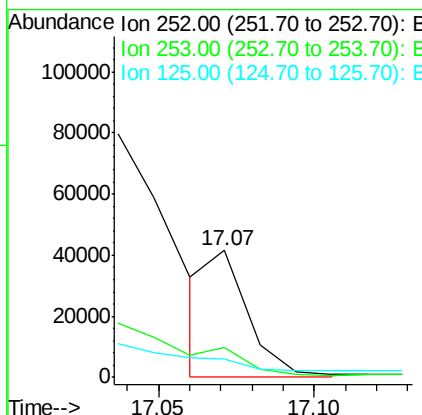
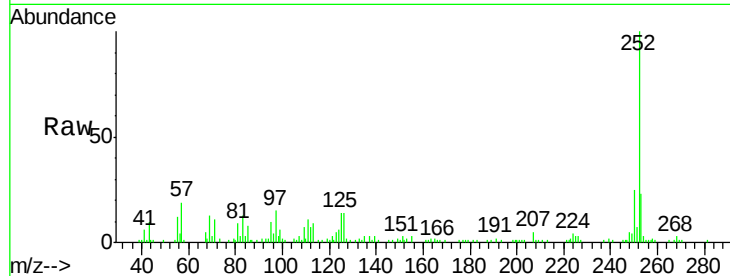
#88
Benzo(k)fluoranthene
Concen: 4.73 ng m
RT: 17.07 min Scan# 1416
Delta R.T. 0.02 min
Lab File: BF078393.D
Acq: 10 Apr 2015 9:42

Instrument :
BNA_F
ClientSampleId :
SB-6DADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	14.2	11.6	17.4

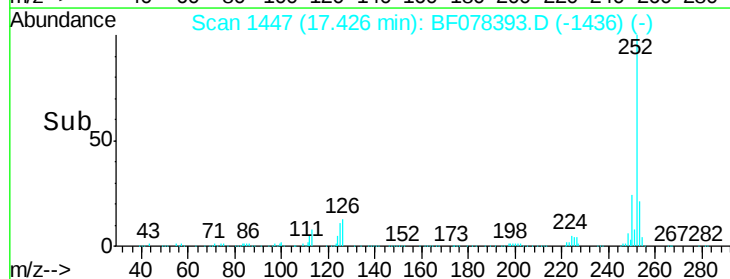
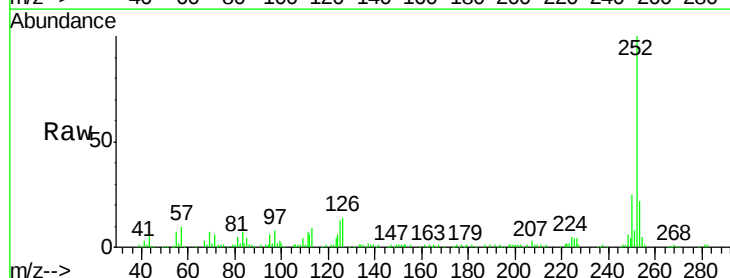
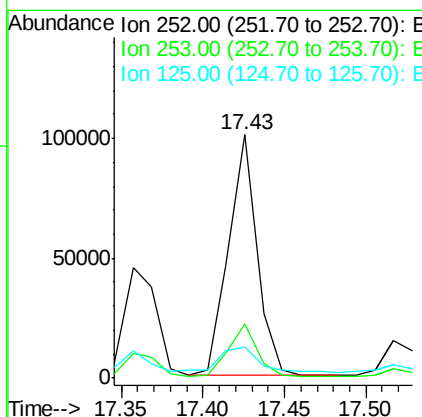
Manual Integrations
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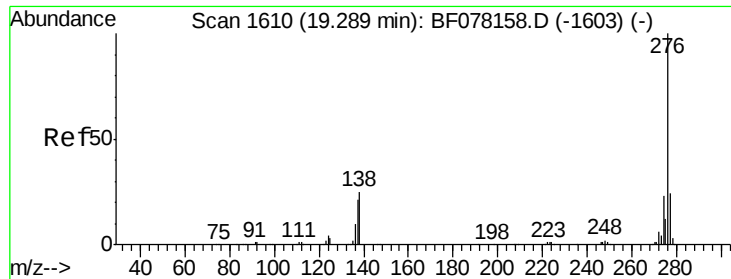
apatel
4/10/2015 5:13:50 PM



#89
Benzo(a)pyrene
Concen: 15.52 ng
RT: 17.43 min Scan# 1447
Delta R.T. 0.02 min
Lab File: BF078393.D
Acq: 10 Apr 2015 9:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.8	25.2
125	13.0	7.4	11.0





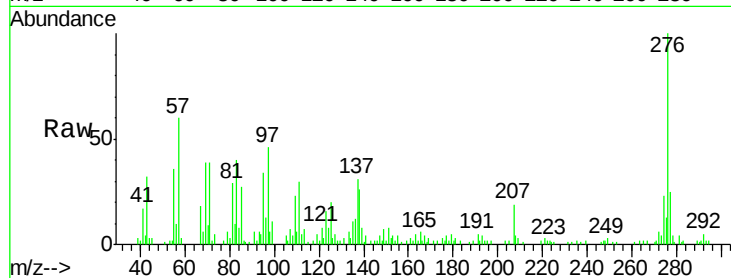
#91
 Benzo(a,h,i)perylene
 Concen: 5.67 ng/ml
 RT: 19.13 min Scan# 1596
 Delta R.T. -0.03 min
 Lab File: BF078393.D
 Acq: 10 Apr 2015 9:42

Instrument :
 BNA_F
 ClientSampleId :
 SB-6DADL

Tot Ion:	276	Resp:	44537
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.0	28.4
138	26.3	19.9	29.9

Manual Integrations
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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

