

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
 Data File : BF078390.D
 Acq On : 10 Apr 2015 8:17
 Operator : TP/IZ
 Sample : G1793-07DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5DDL

Manual Integrations
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Quant Time: Apr 10 12:38:51 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	39473	20.00	ng	0.00
21) Naphthalene-d8	8.48	136	160404	20.00	ng	0.01
38) Acenaphthene-d10	10.63	164	83614	20.00	ng	-0.01
63) Phenanthrene-d10	12.45	188	150854	20.00	ng	-0.01
75) Chrysene-d12	15.72	240	146739	20.00	ng	-0.02
86) Perylene-d12	17.45	264	149496	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	39869	16.65	ng	-0.01
7) Phenol-d6	6.49	99	51715	17.24	ng	0.01
23) Nitrobenzene-d5	7.58	82	25285	9.55	ng	0.00
41) 2,4,6-Tribromophenol	11.61	330	10111	14.58	ng	-0.01
44) 2-Fluorobiphenyl	9.81	172	60363	10.32	ng	0.00
78) Terphenyl-d14	14.44	244	62579	9.64	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.51	128	3358895	402.32	ng	95
37) 2-Methylnaphthalene	9.36	142	812992	143.43	ng	96
45) 1,1'-Biphenyl	9.94	154	356831	52.17	ng	99
48) Acenaphthylene	10.45	152	311743	35.88	ng	# 97
51) Acenaphthene	10.67	154	516606	105.59	ng	99
54) Dibenzofuran	10.89	168	125191	16.75	ng	93
57) Fluorene	11.31	166	546248	90.18	ng	98
70) Phenanthrene	12.50	178	2024120	231.96	ng	97
71) Anthracene	12.56	178	743679	86.49	ng	100
72) Carbazole	12.76	167	36797	4.57	ng	96
74) Fluoranthene	13.95	202	916074	99.55	ng	98
77) Pyrene	14.24	202	1263086	137.12	ng	97
80) Benzo(a)anthracene	15.71	228	438715m	50.25	ng	
82) Chrysene	15.76	228	319845	38.99	ng	98
85) Indeno(1,2,3-cd)pyrene	18.71	276	117676	12.64	ng	# 88
87) Benzo(b)fluoranthene	17.01	252	288643m	31.24	ng	
88) Benzo(k)fluoranthene	17.04	252	79921m	9.73	ng	
89) Benzo(a)pyrene	17.38	252	326071	40.44	ng	# 88
90) Dibenzo(a,h)anthracene	18.73	278	27955m	3.46	ng	
91) Benzo(a,h,i)perylene	19.07	276	141675m	17.50	ng	

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

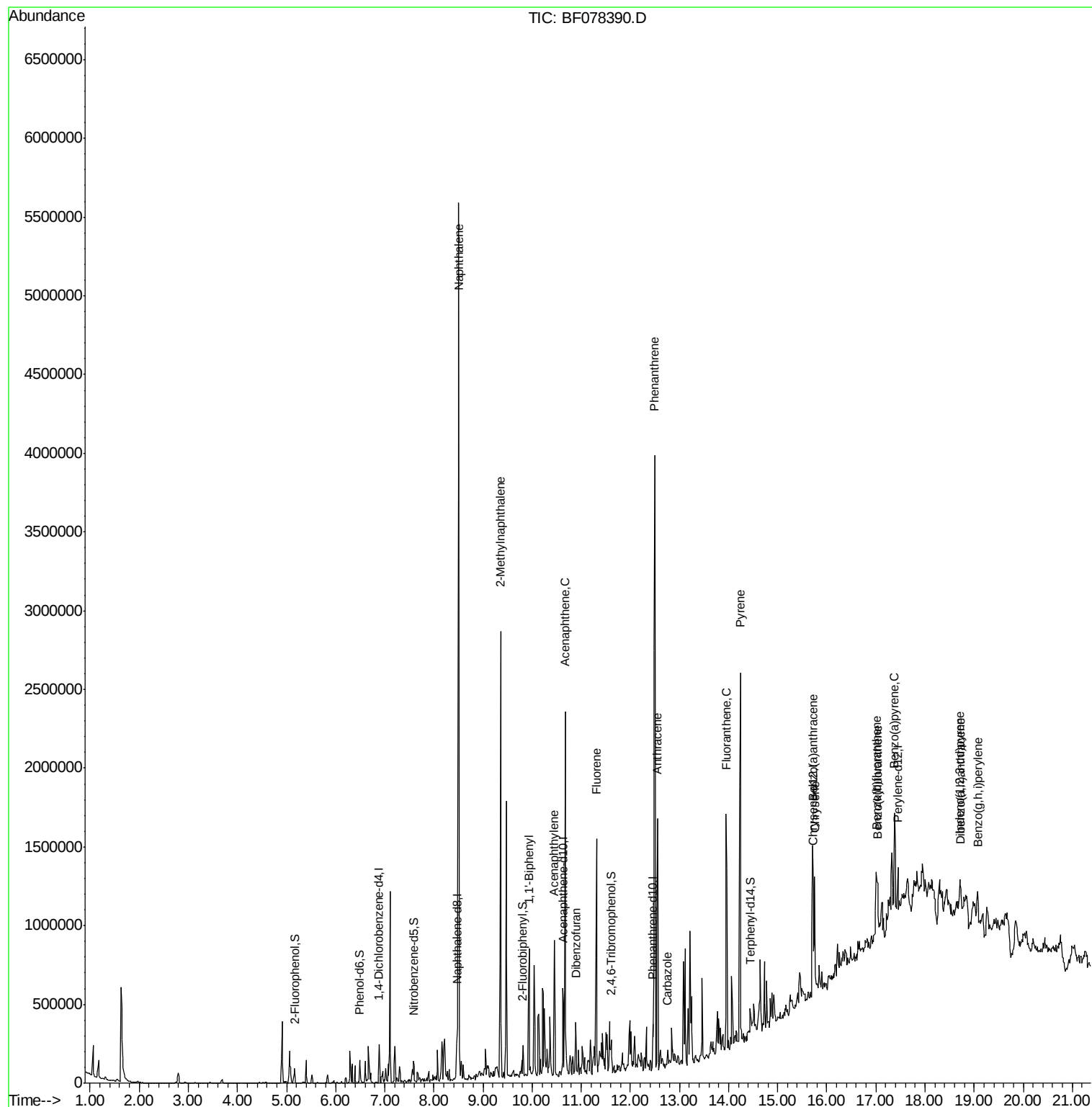
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
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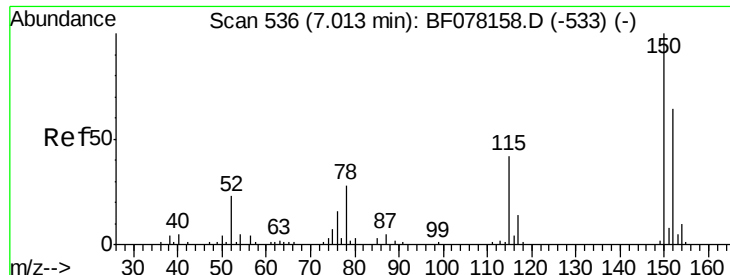
Instrument :
BNA_F
ClientSampleId :
SB-5DDL

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Quant Time: Apr 10 12:38:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

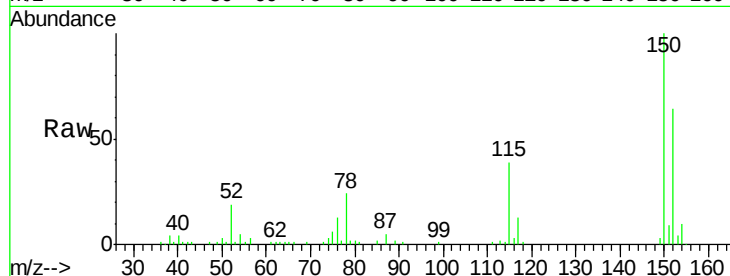
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Instrument :
BNA_F
ClientSampleId :
SB-5DDL

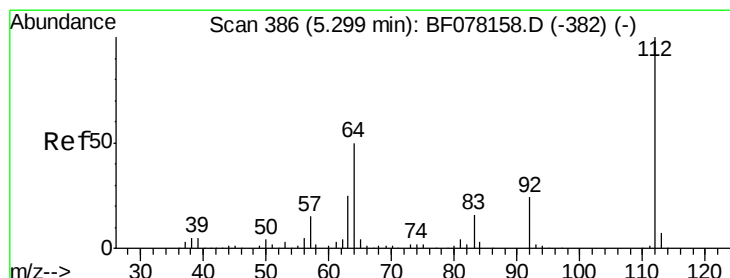
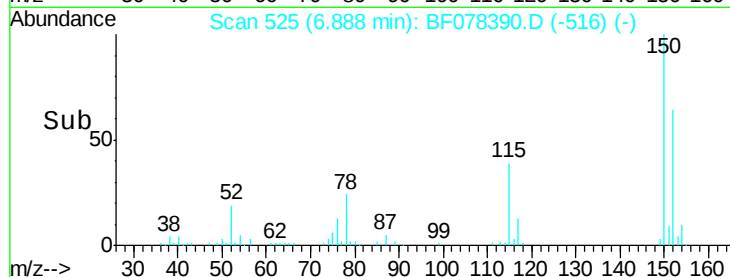
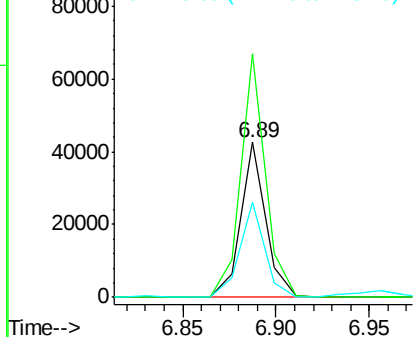
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.9	188.9
115	61.5	52.7	79.1

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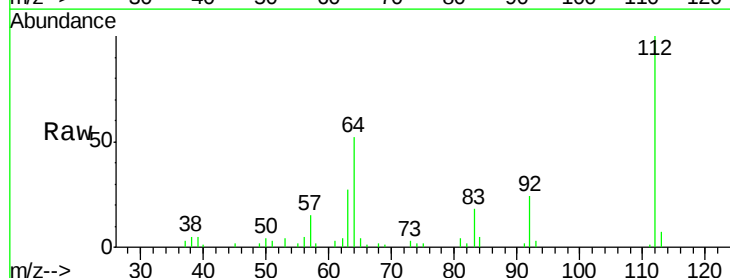
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



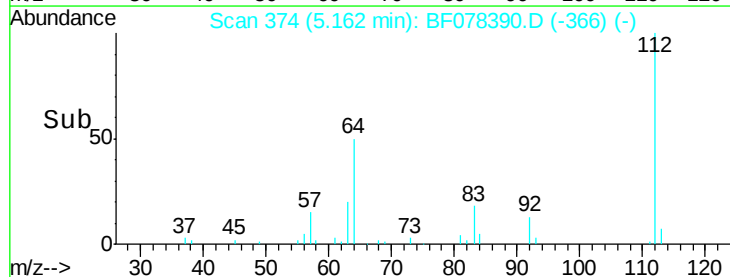
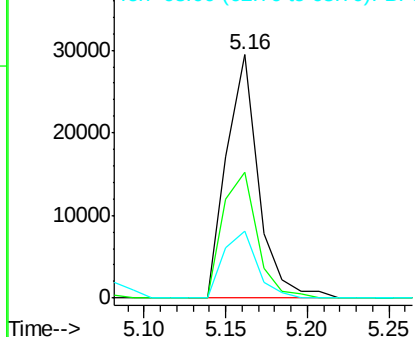
#5

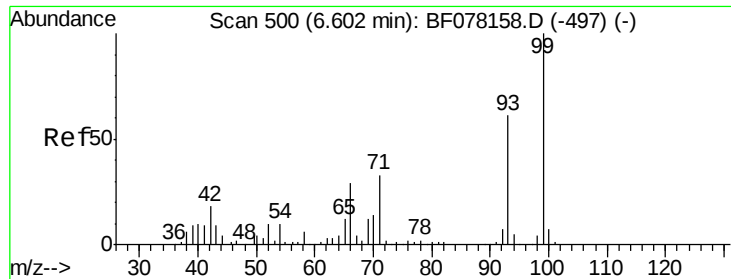
2-Fluorophenol
Concen: 16.65 ng
RT: 5.16 min Scan# 374
Delta R.T. -0.01 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	39.9	59.9
63	27.3	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: 17.24 ng

RT: 6.49 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Instrument :

BNA_F

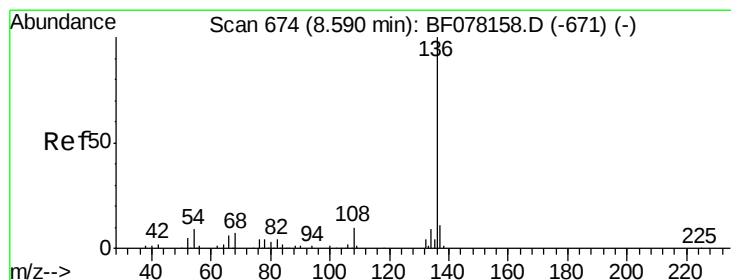
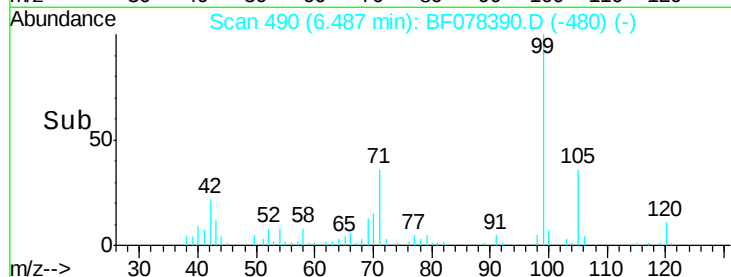
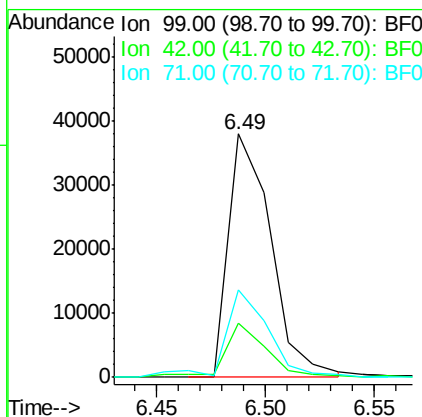
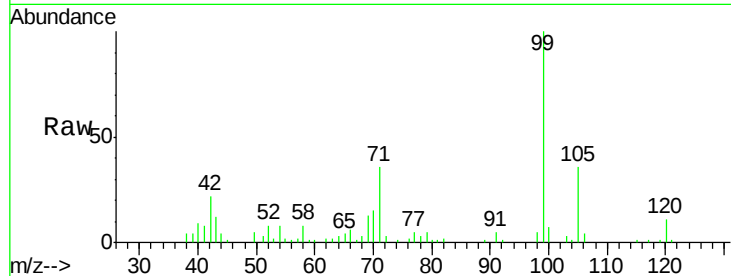
ClientSampled :

SB-5DDL

Tot Ion:	99	Resp:	51715
Ion Ratio	Lower	Upper	
99	100		
42	22.0	14.8	22.2
71	35.9	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

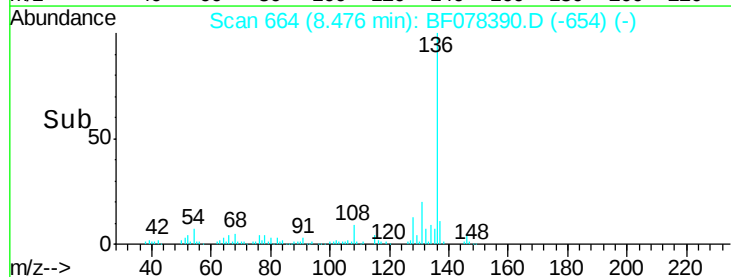
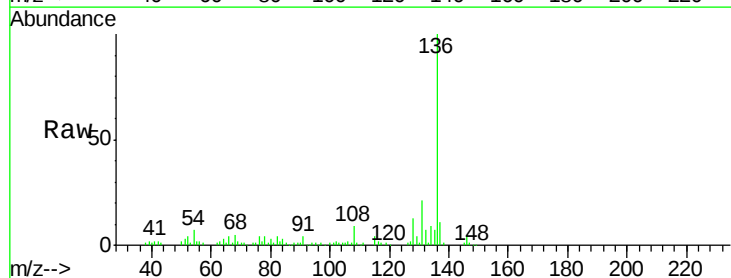
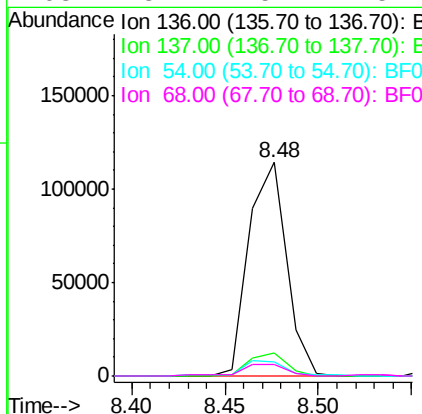
RT: 8.48 min Scan# 664

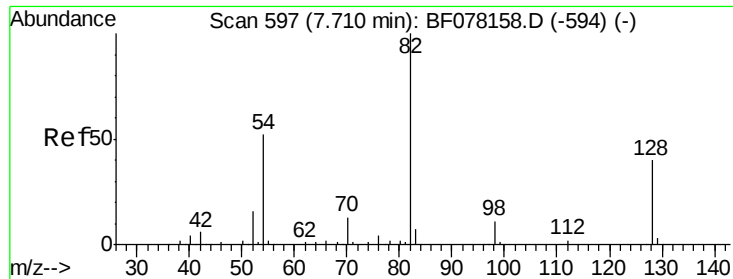
Delta R.T. 0.01 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Tgt Ion:	136	Resp:	160404
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	6.7	7.0	10.6#
68	5.4	5.4	8.2#





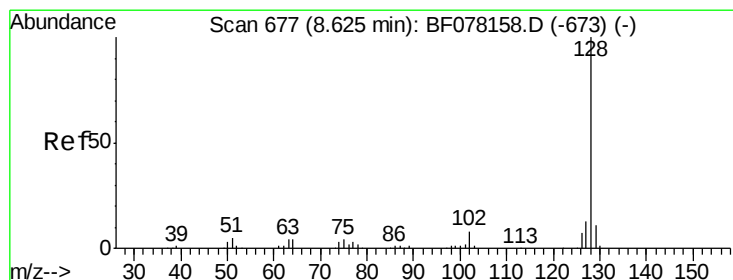
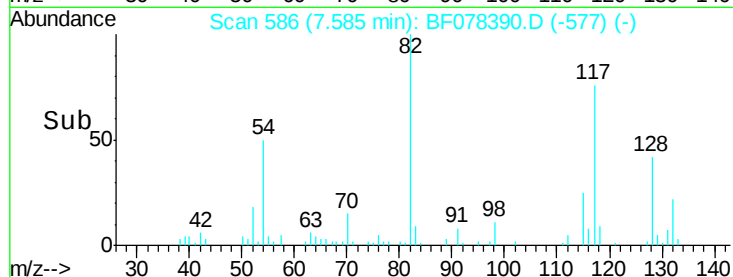
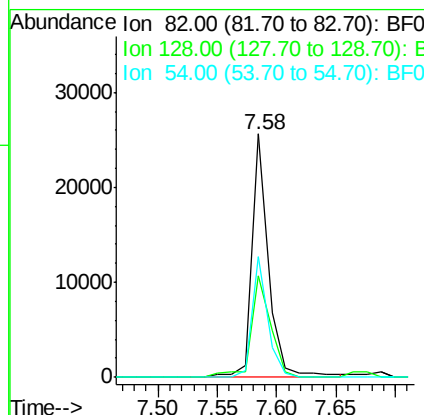
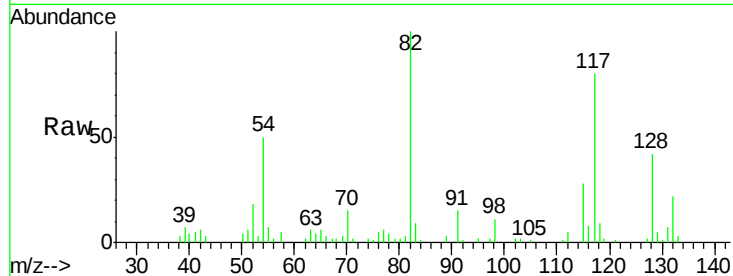
#23
Nitrobenzene-d5
Concen: 9.55 ng
RT: 7.58 min Scan# 586
Delta R.T. 0.00 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Instrument :
BNA_F
ClientSampleId :
SB-5DDL

Tot Ion	82	Resp	25285
Ion Ratio	100	Lower	Upper
82	100		
128	41.5	31.8	47.8
54	49.7	41.5	62.3

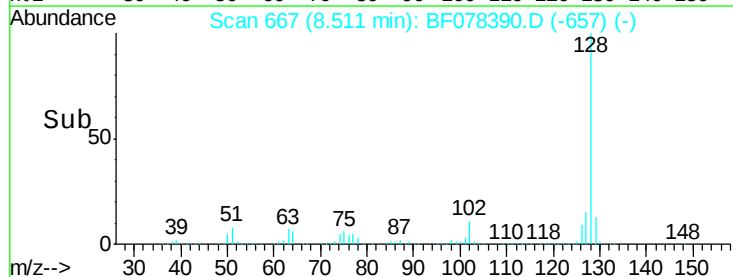
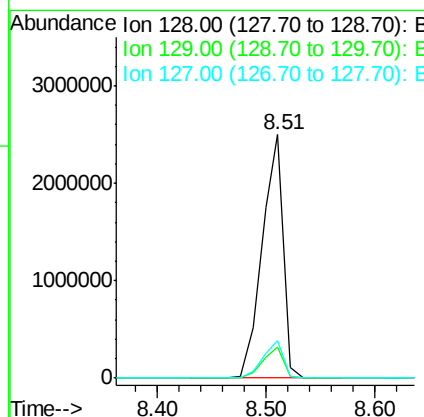
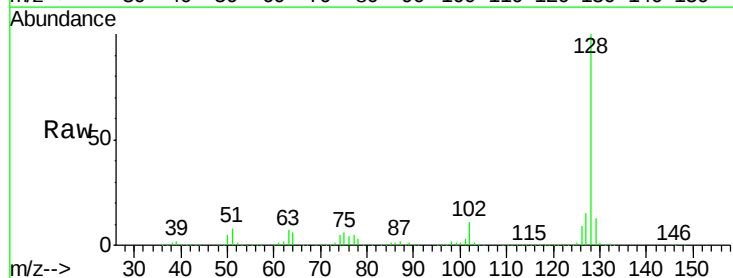
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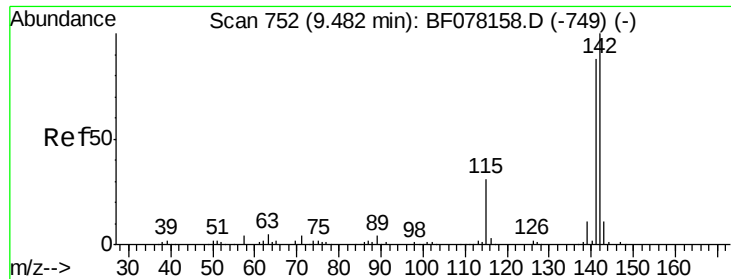
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#31
Naphthalene
Concen: 402.32 ng
RT: 8.51 min Scan# 667
Delta R.T. 0.01 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Tgt Ion	128	Resp	3358895
Ion Ratio	100	Lower	Upper
128	100		
129	12.8	8.6	12.8
127	15.5	10.7	16.1





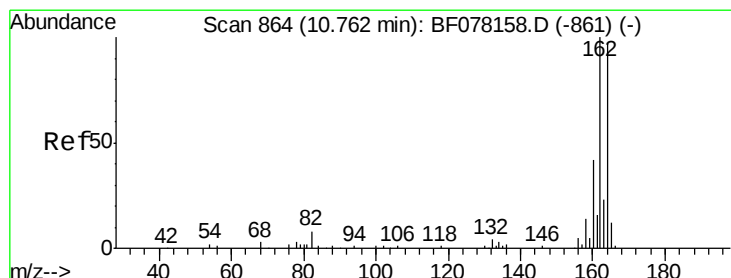
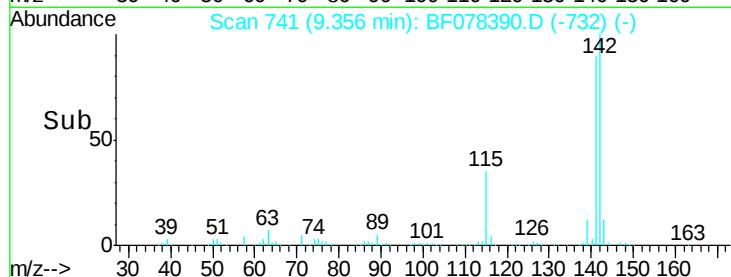
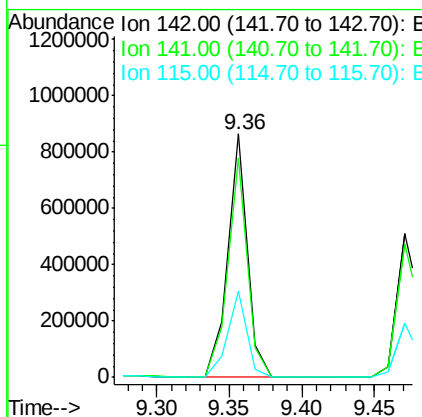
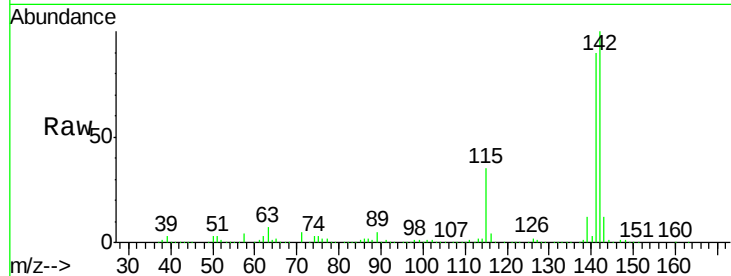
#37
2-Methylnaphthalene
Concen: 143.43 ng
RT: 9.36 min Scan# 741
Delta R.T. 0.00 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Instrument :
BNA_F
ClientSampled :
SB-5DDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.3	105.5
115	35.4	24.6	37.0

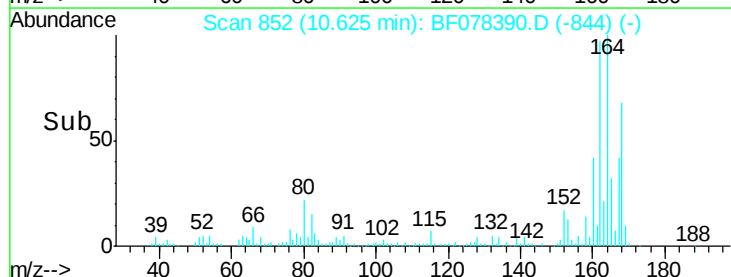
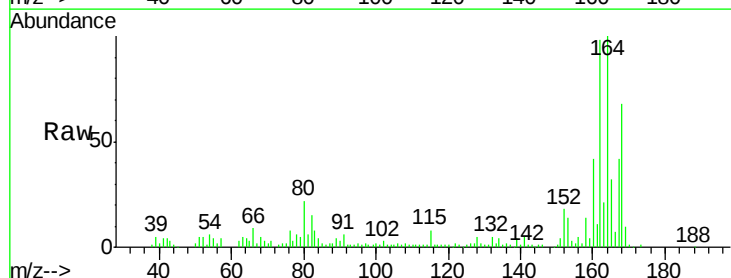
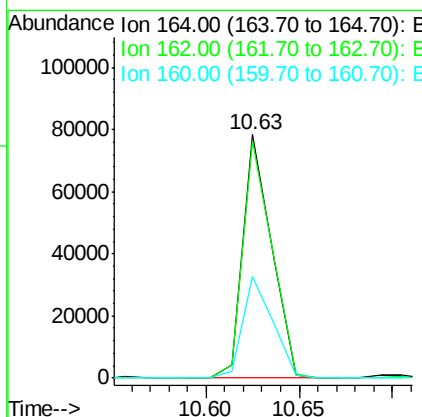
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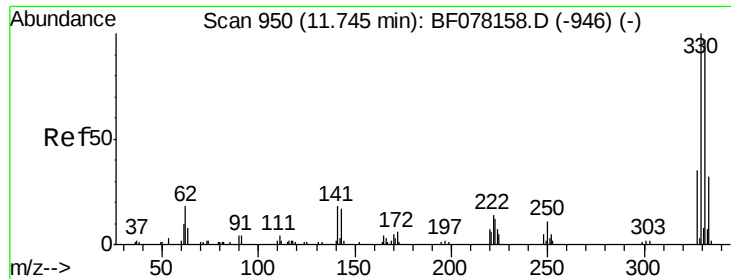
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.63 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.7	82.2	123.2
160	41.9	34.7	52.1





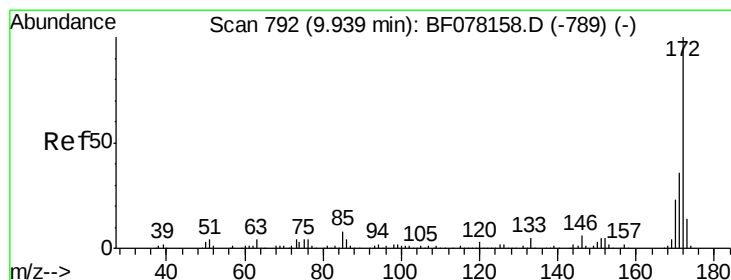
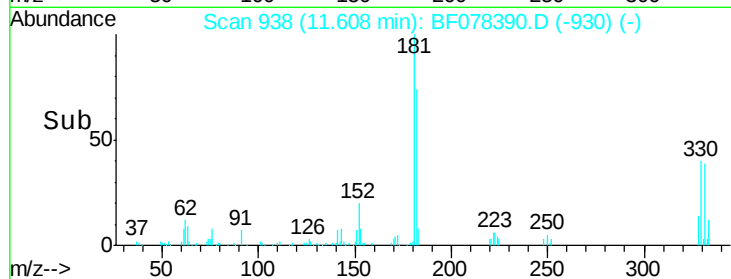
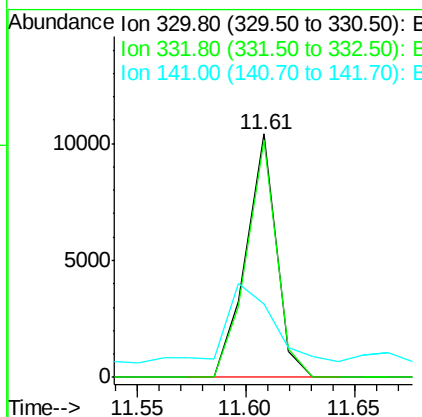
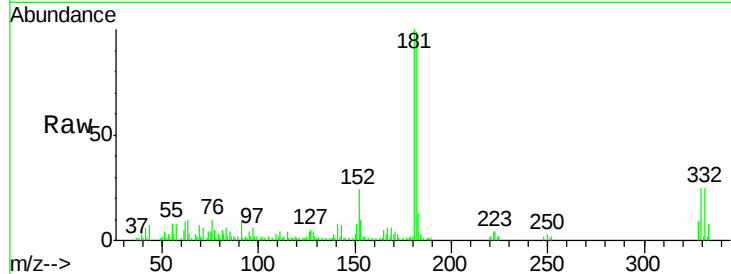
#41
 2,4,6-Tribromophenol
 Concen: 14.58 ng
 RT: 11.61 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF078390.D
 Acq: 10 Apr 2015 8:17

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	10111		
332	97.4	78.6	117.8	
141	52.0	31.2	46.8	

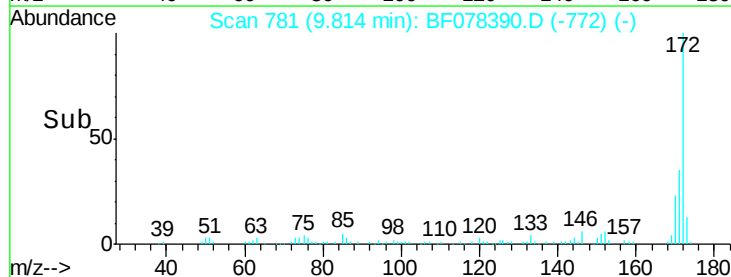
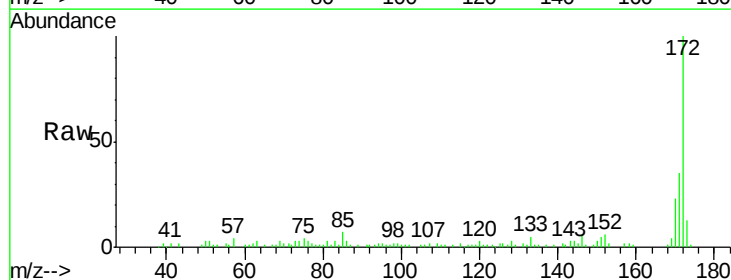
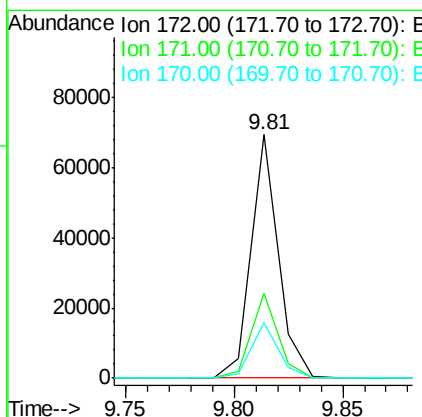
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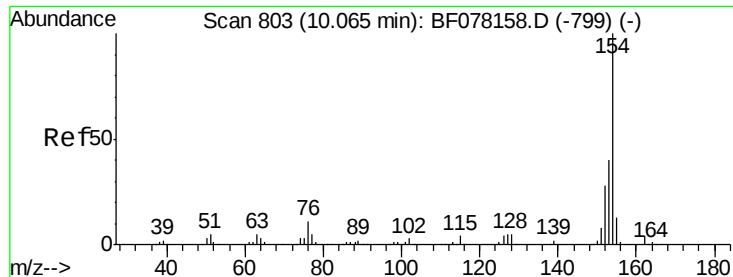
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#44
 2-Fluorobiphenyl
 Concen: 10.32 ng
 RT: 9.81 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: BF078390.D
 Acq: 10 Apr 2015 8:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	60363		
171	34.7	28.6	42.8	
170	22.6	18.5	27.7	





#45

1,1'-Biphenyl

Concen: 52.17 ng

RT: 9.94 min Scan# 792

Delta R.T. 0.00 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Instrument :

BNA_F

ClientSampleId :

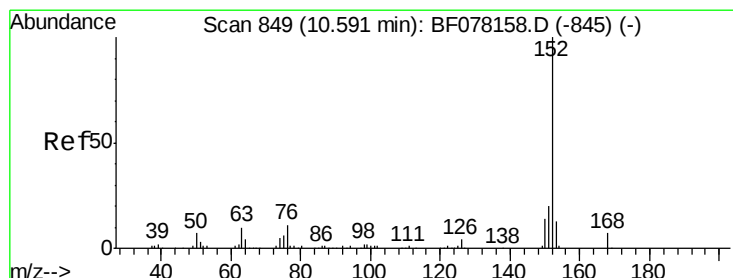
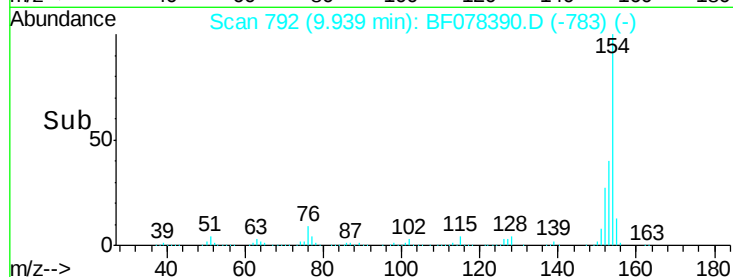
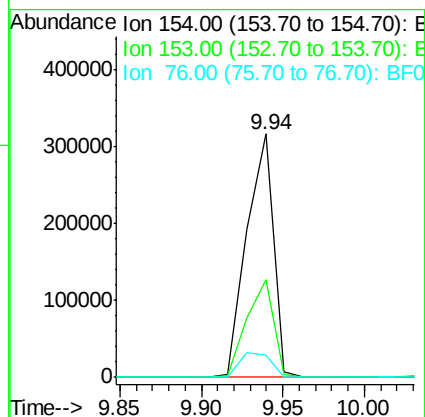
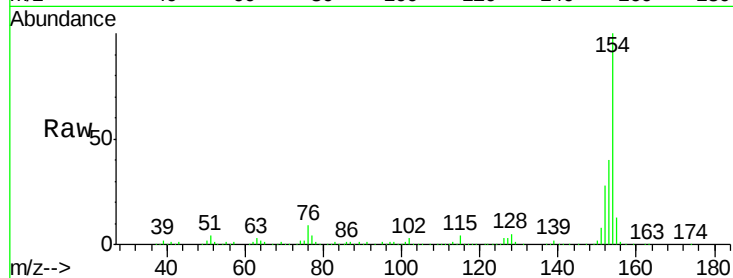
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Tot Ion:	154	Resp:	356831
Ion Ratio	Lower	Upper	
154	100		
153	40.0	20.0	60.0
76	9.2	0.0	30.6



#48

Acenaphthylene

Concen: 35.88 ng

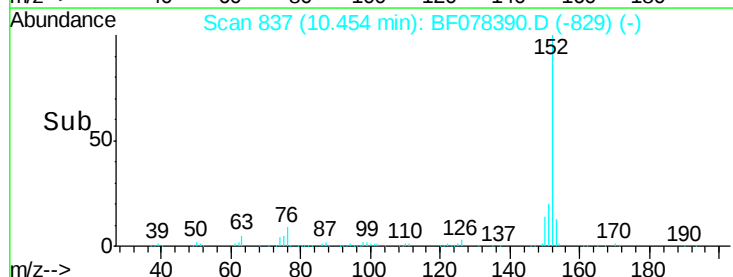
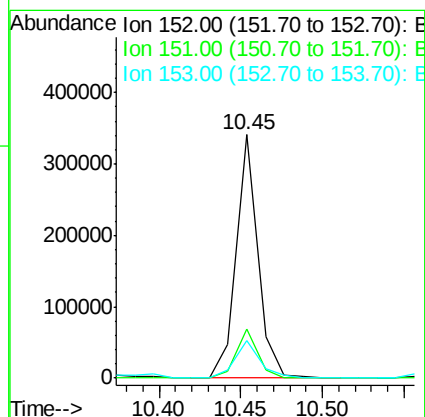
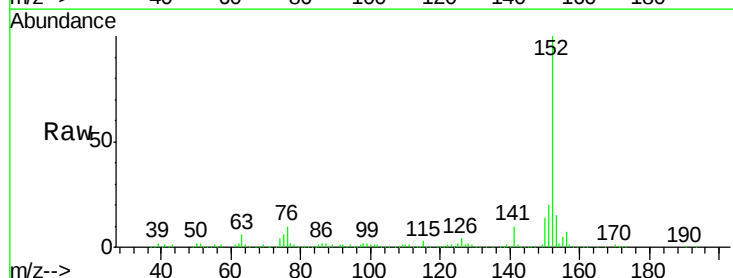
RT: 10.45 min Scan# 837

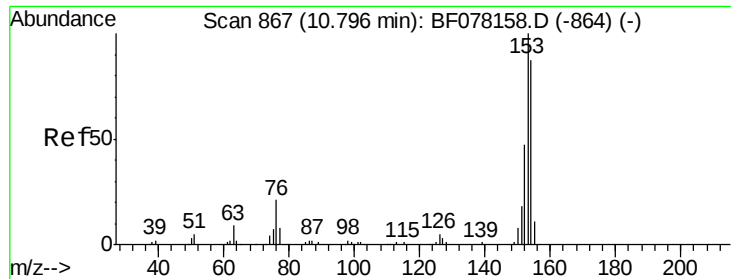
Delta R.T. -0.01 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Tgt Ion:	152	Resp:	311743
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.7	23.5
153	15.3	10.2	15.2#





#51

Acenaphthene

Concen: 105.59 ng

RT: 10.67 min Scan# 856

Delta R.T. 0.00 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Instrument :

BNA_F

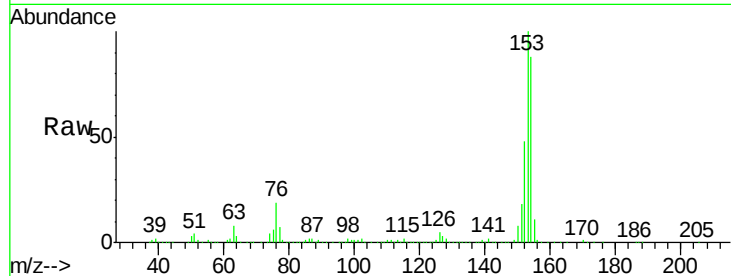
ClientSampleId :

SB-5DDL

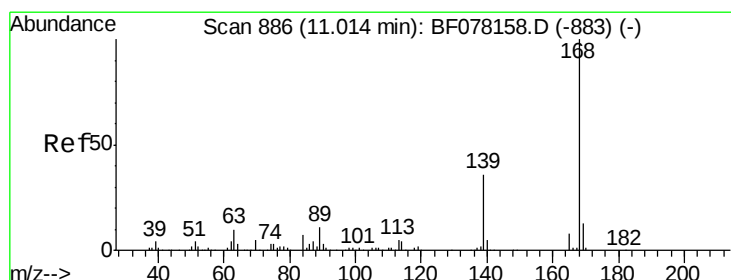
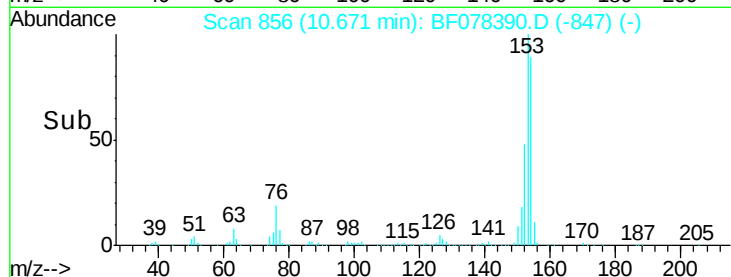
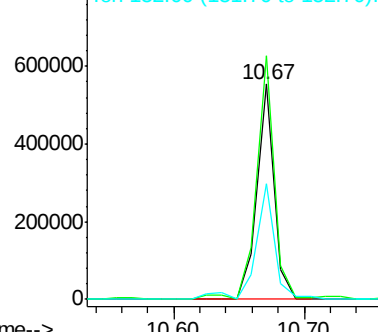
Tot Ion:	154	Resp:	516606
Ion Ratio	Lower	Upper	
154	100		
153	113.2	91.4	137.2
152	53.9	43.0	64.6

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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: 16.75 ng

RT: 10.89 min Scan# 875

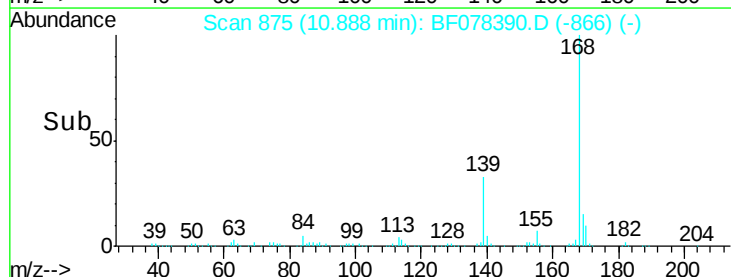
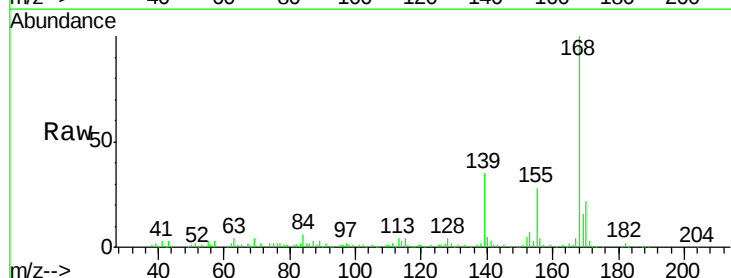
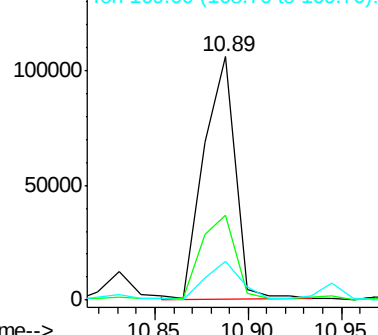
Delta R.T. 0.00 min

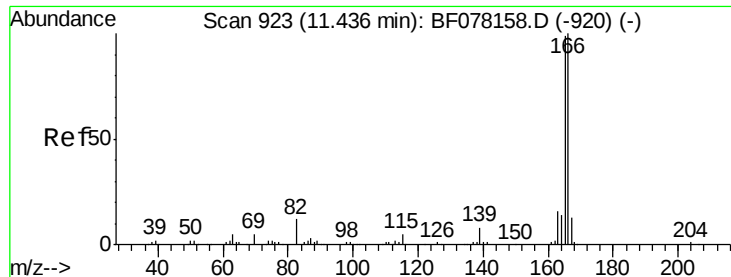
Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Tgt Ion:	168	Resp:	125191
Ion Ratio	Lower	Upper	
168	100		
139	34.7	31.0	46.4
169	16.0	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: 90.18 ng

RT: 11.31 min Scan# 912

Delta R.T. 0.00 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Instrument :

BNA_F

ClientSampleId :

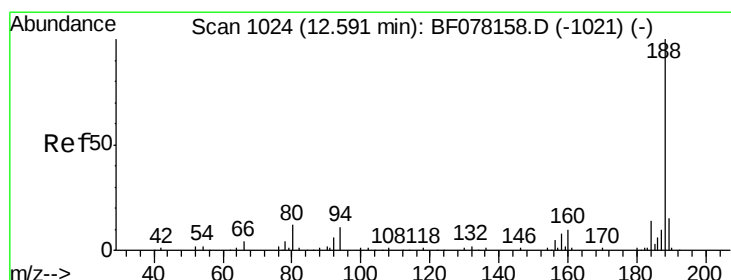
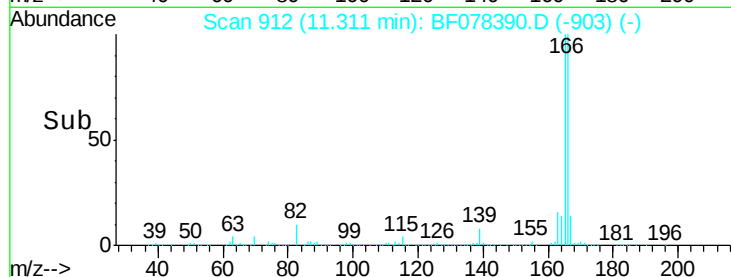
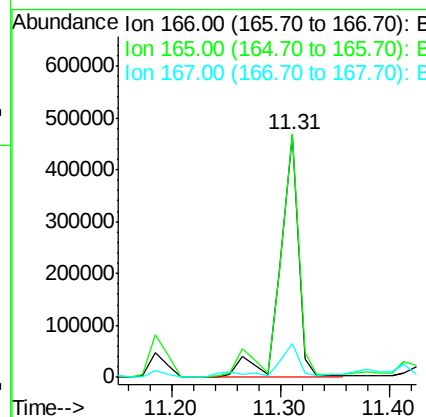
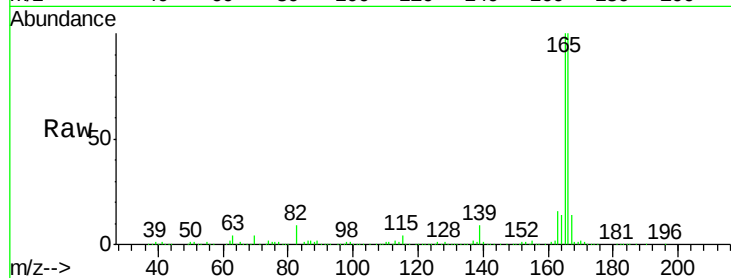
SB-5DDL

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Tot Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.9	118.3
167	14.0	10.7	16.1



#63

Phenanthrene-d10

Concen: 20.00 ng

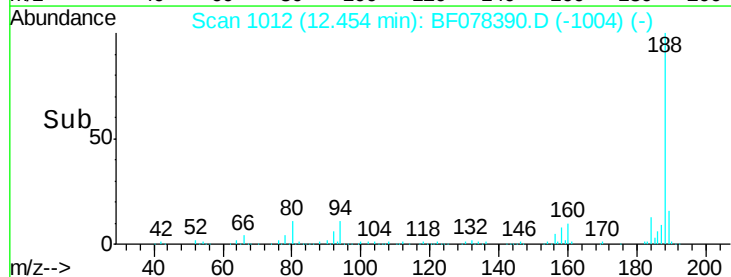
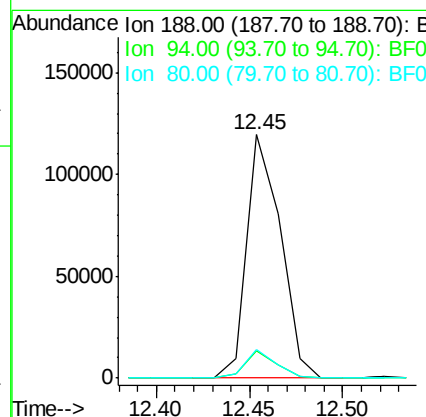
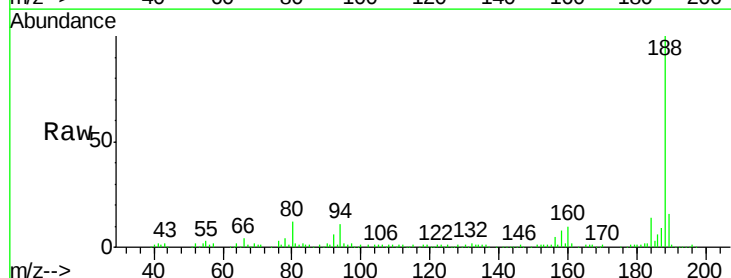
RT: 12.45 min Scan# 1012

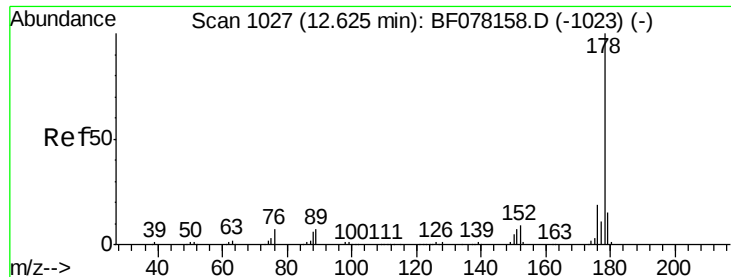
Delta R.T. -0.01 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.4
80	11.7	9.5	14.3





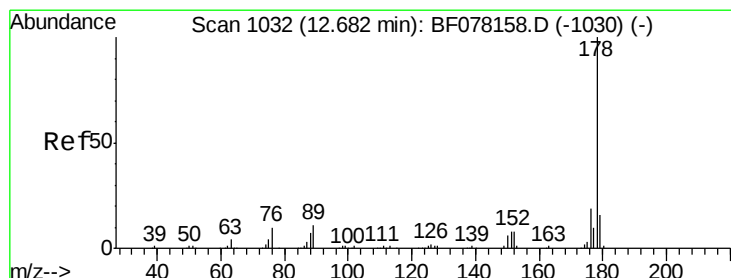
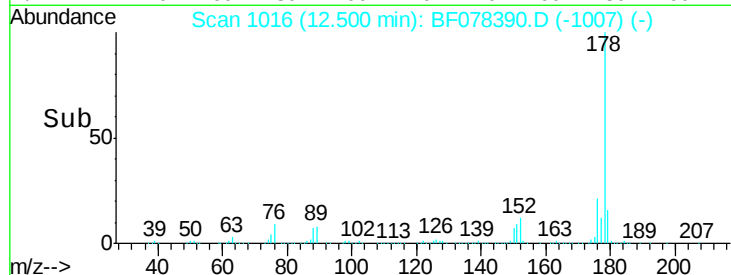
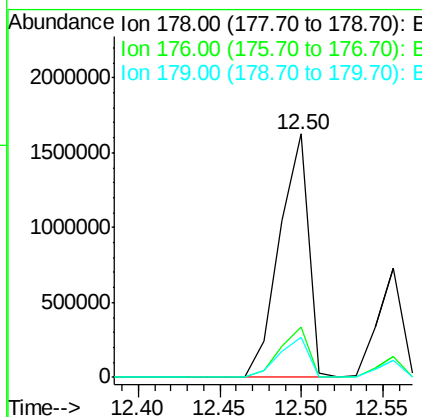
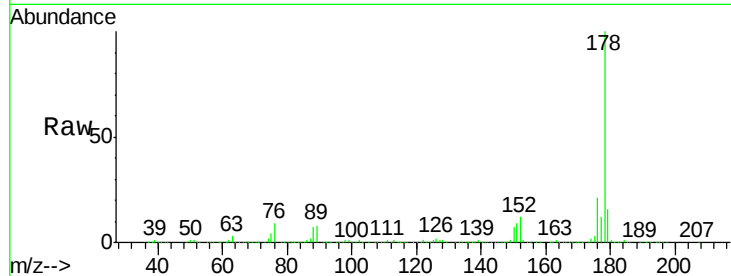
#70
Phenanthrene
Concen: 231.96 ng
RT: 12.50 min Scan# 1016
Delta R.T. 0.00 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Instrument :
BNA_F
ClientSampleId :
SB-5DDL

Tot Ion:178 Resp: 2024120
Ion Ratio Lower Upper
178 100
176 20.7 15.4 23.0
179 16.3 12.2 18.2

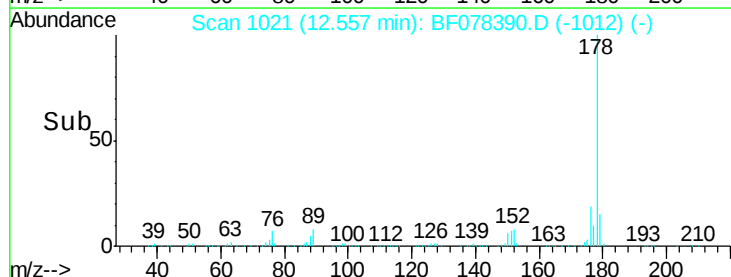
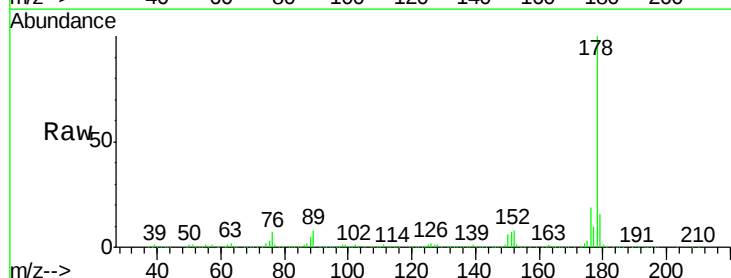
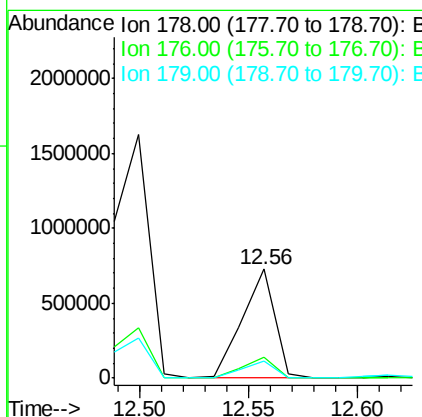
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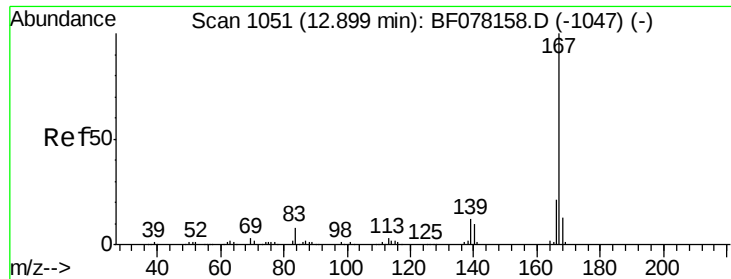
apatel
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#71
Anthracene
Concen: 86.49 ng
RT: 12.56 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Tgt Ion:178 Resp: 743679
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.6 12.4 18.6





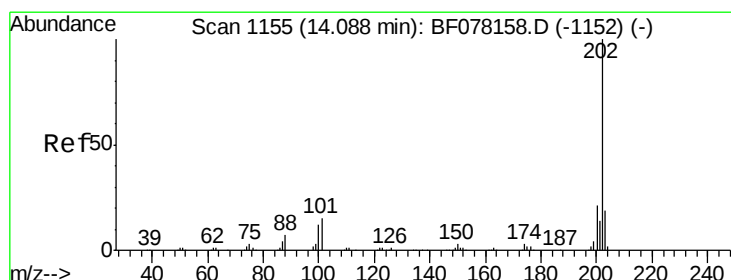
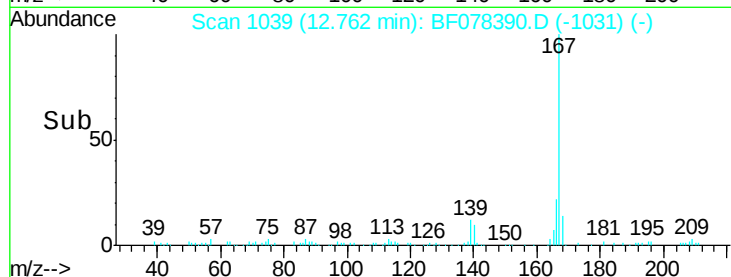
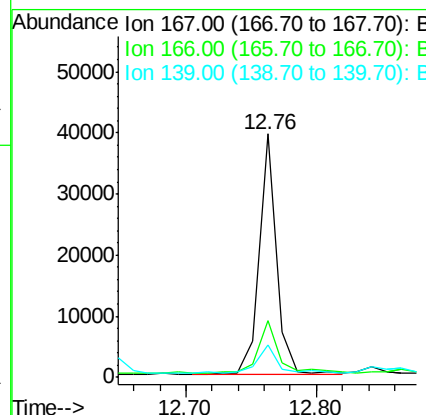
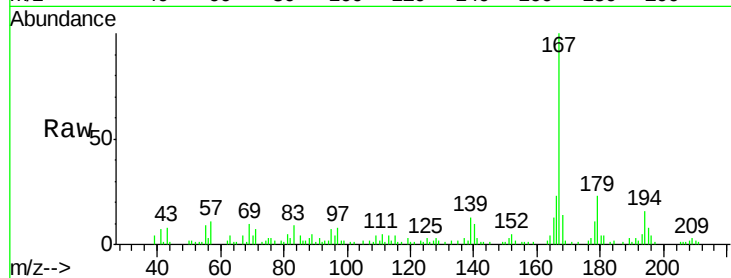
#72
 Carbazole
 Concen: 4.57 ng
 RT: 12.76 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF078390.D
 Acq: 10 Apr 2015 8:17

Instrument :
 BNA_F
 ClientSampled :
 SB-5DDL

Tot Ion	Ratio	Resp	Lower	Upper
167	100	36797		
166	23.1	16.8	25.2	
139	13.5	10.0	15.0	

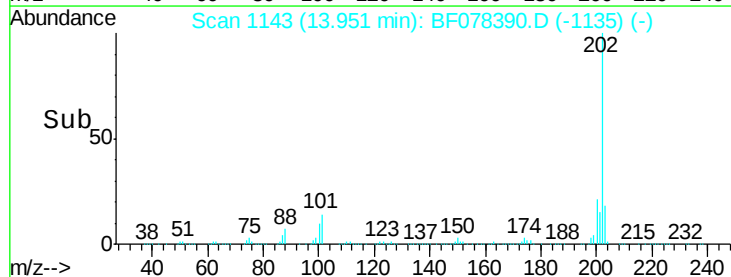
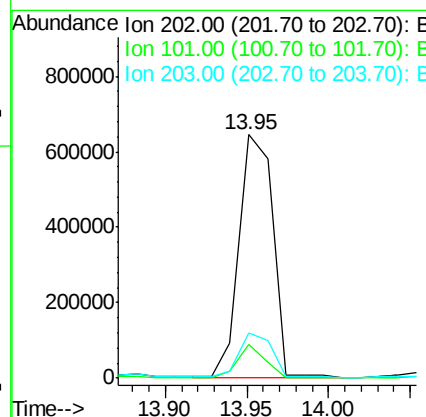
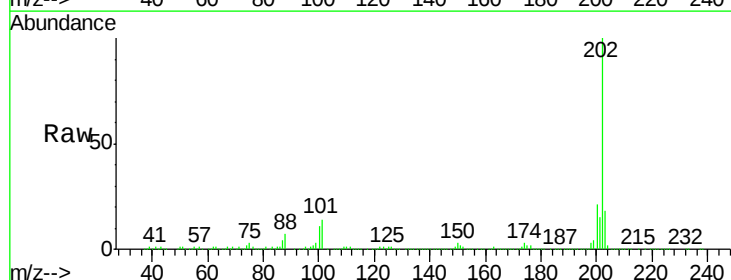
Manual Integrations
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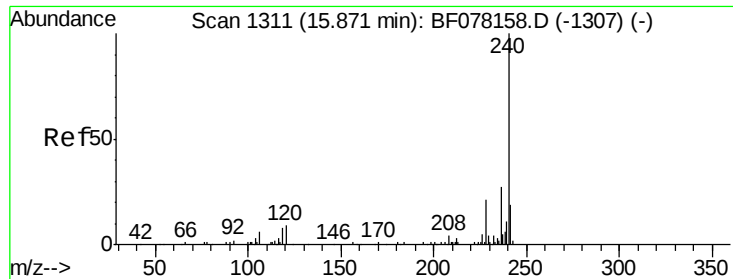
apatel
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#74
 Fluoranthene
 Concen: 99.55 ng
 RT: 13.95 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF078390.D
 Acq: 10 Apr 2015 8:17

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	916074		
101	14.0	0.0	35.2	
203	18.3	0.0	38.5	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.72 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Instrument :

BNA_F

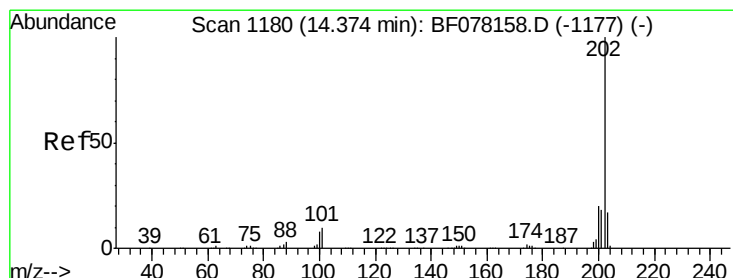
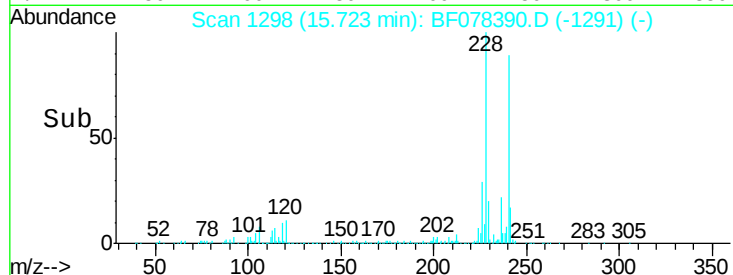
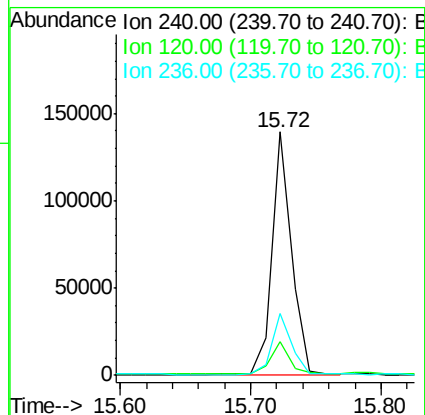
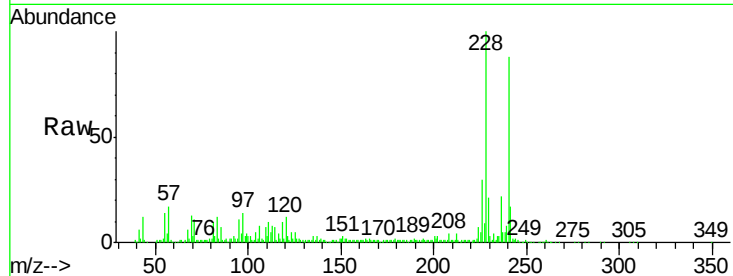
ClientSampleId :

SB-5DDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	7.1	10.7#
236	25.5	21.4	32.2

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#77

Pyrene

Concen: 137.12 ng

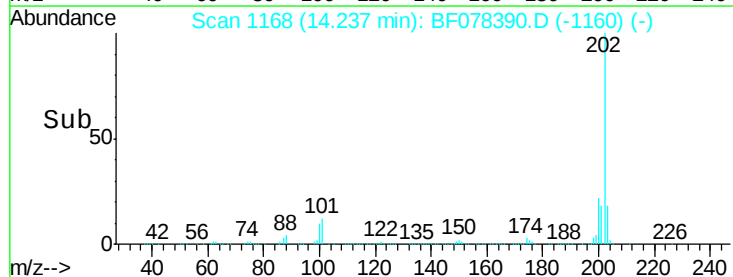
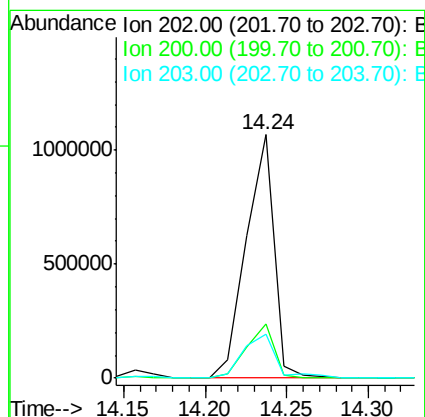
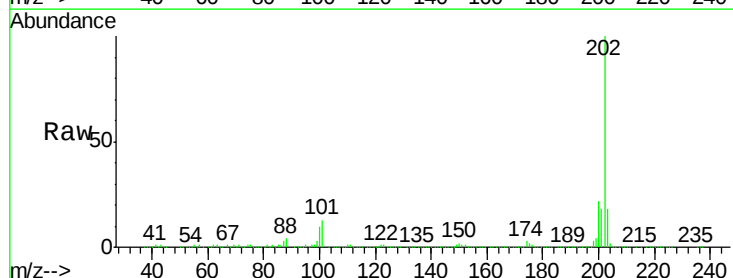
RT: 14.24 min Scan# 1168

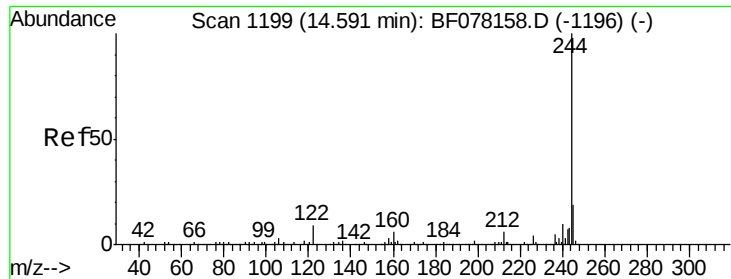
Delta R.T. -0.01 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	16.3	24.5
203	18.3	13.8	20.6





#78

Terphenyl-d14

Concen: 9.64 ng

RT: 14.44 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Instrument :

BNA_F

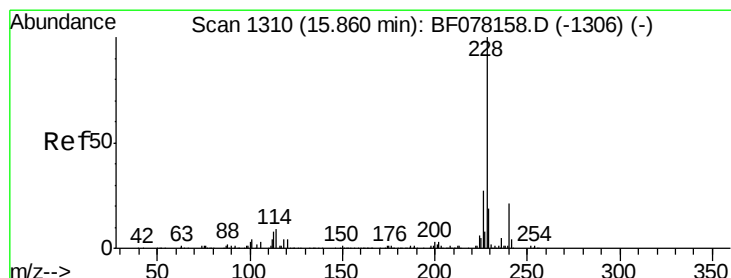
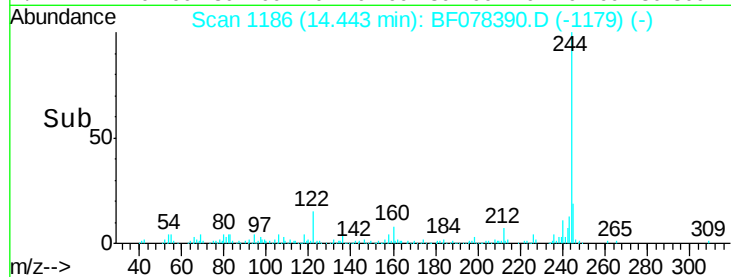
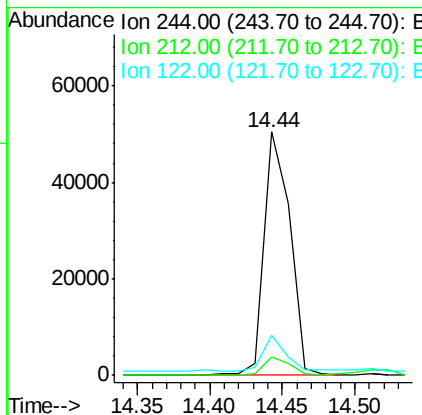
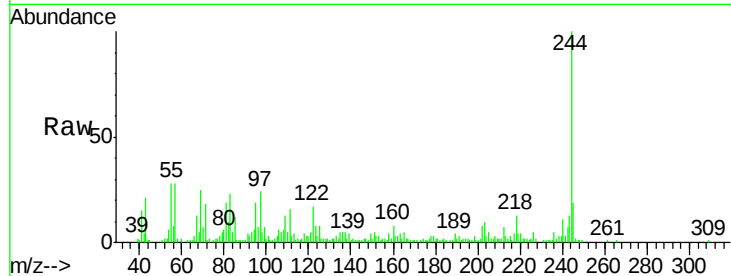
ClientSampleId :

SB-5DDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.0	7.4
122	16.5	7.1	10.7

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 50.25 ng m

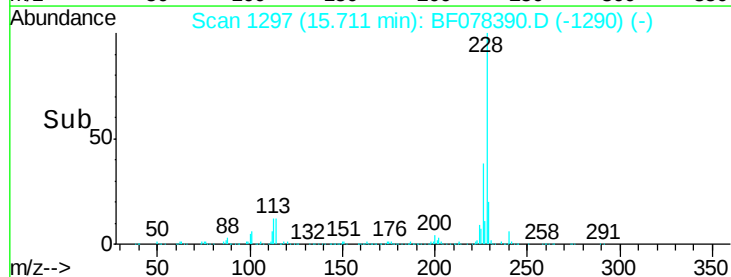
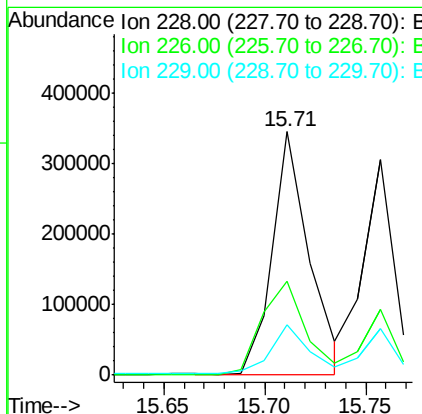
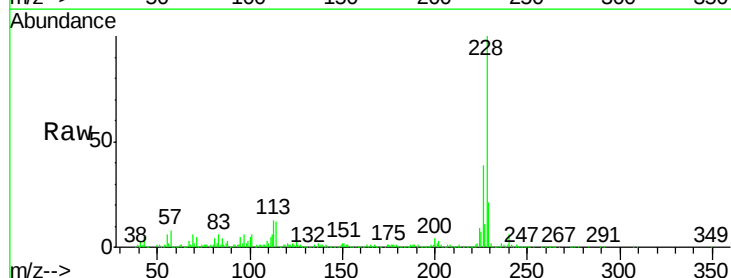
RT: 15.71 min Scan# 1297

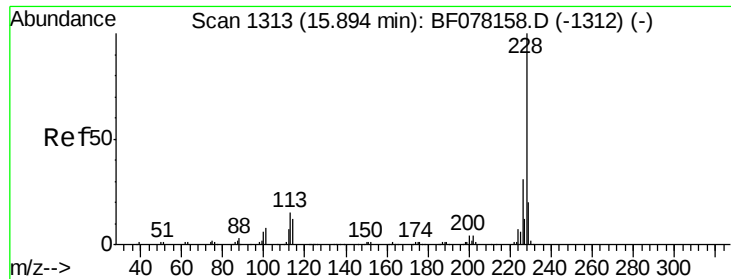
Delta R.T. -0.02 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.6	21.3	31.9
229	20.9	15.4	23.2





#82

Chrysene

Concen: 38.99 ng

RT: 15.76 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF078390.D

Acq: 10 Apr 2015 8:17

Instrument :

BNA_F

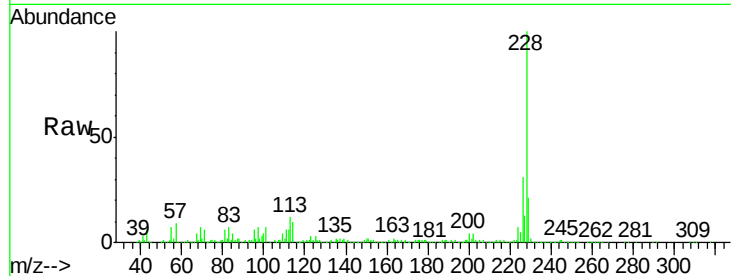
ClientSampleId :

SB-5DDL

Tot Ion:	228	Resp:	319845
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.2	36.4
229	21.3	15.8	23.8

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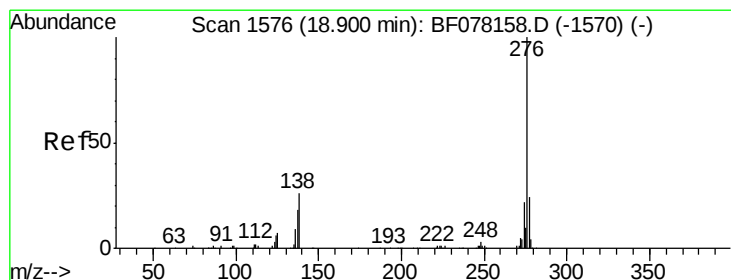
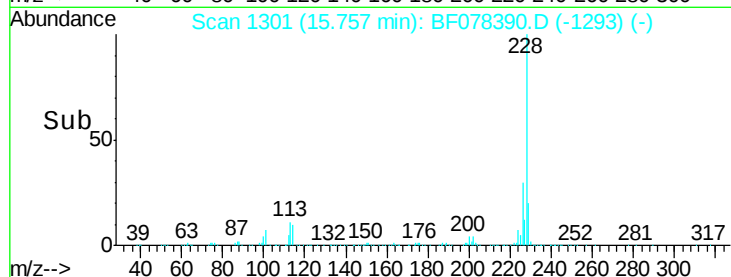
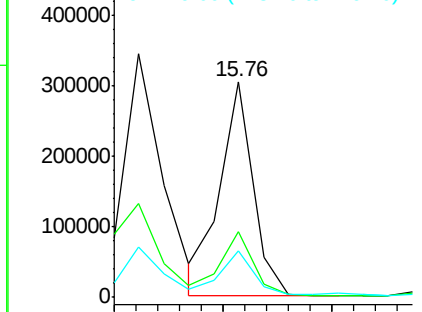
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 12.64 ng

RT: 18.71 min Scan# 1559

Delta R.T. -0.07 min

Lab File: BF078390.D

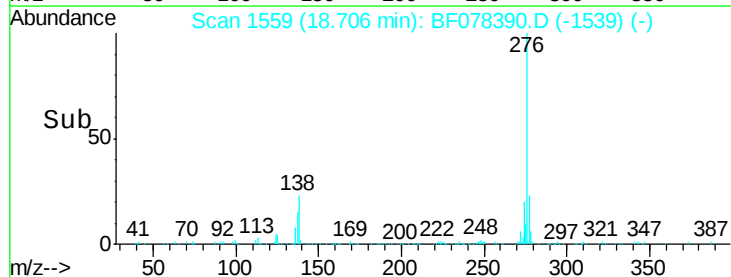
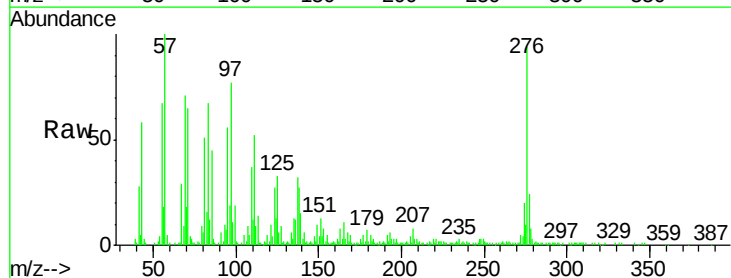
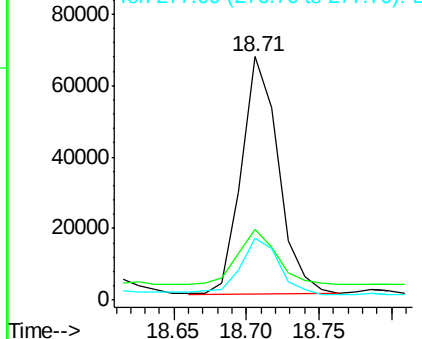
Acq: 10 Apr 2015 8:17

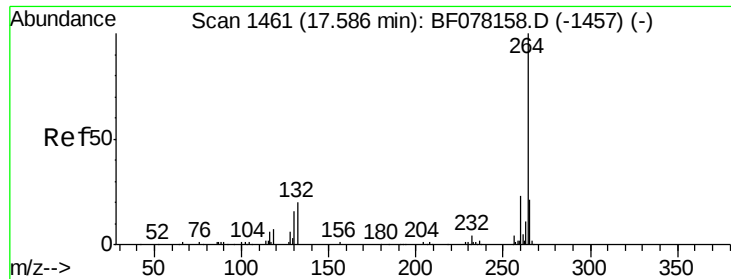
Tgt Ion:	276	Resp:	117676
Ion Ratio	Lower	Upper	
276	100		
138	25.8	16.9	25.3#
277	26.1	15.8	23.6#

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





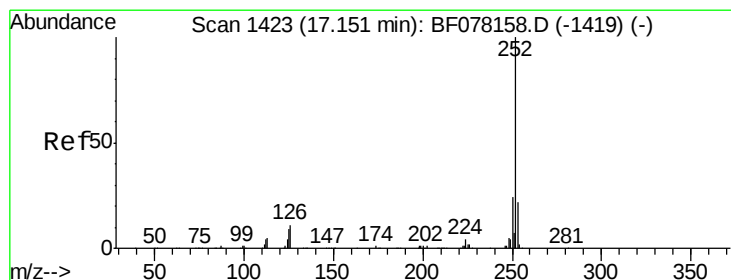
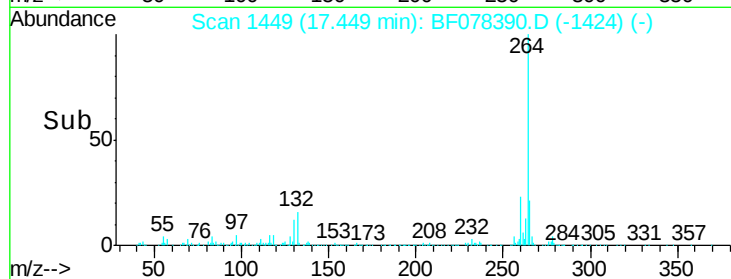
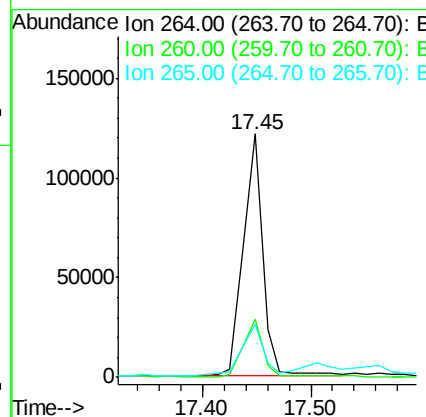
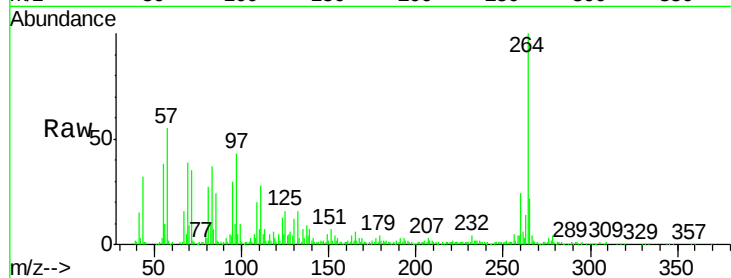
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.45 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Instrument :
BNA_F
ClientSampleId :
SB-5DDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	22.0	17.0	25.6

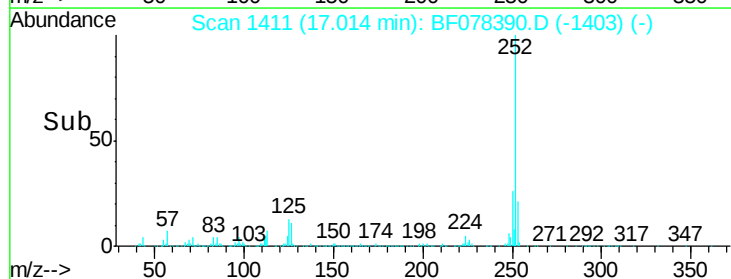
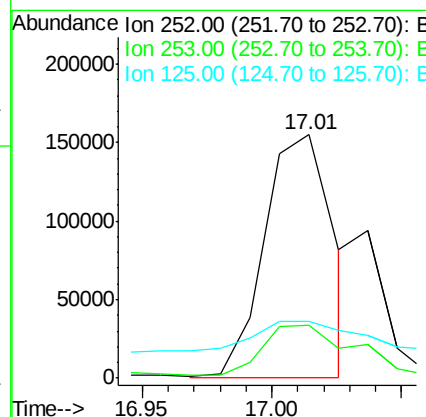
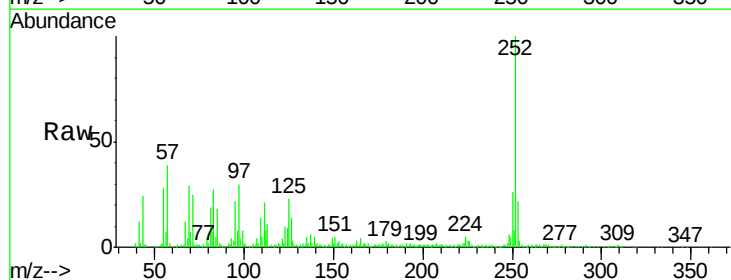
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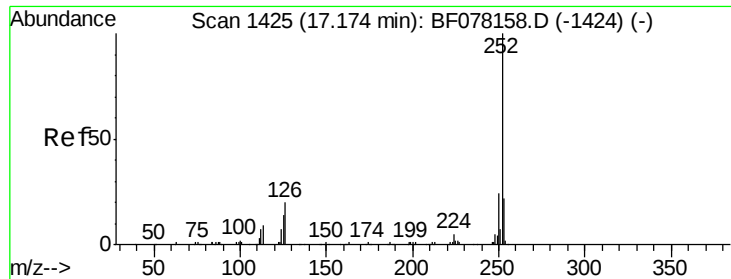
apatel
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#87
Benzo(b)fluoranthene
Concen: 31.24 ng m
RT: 17.01 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	23.1	7.0	10.4#





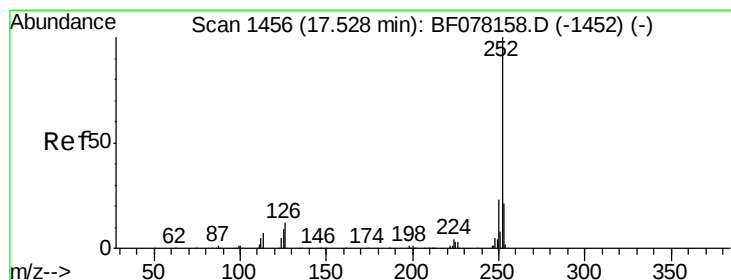
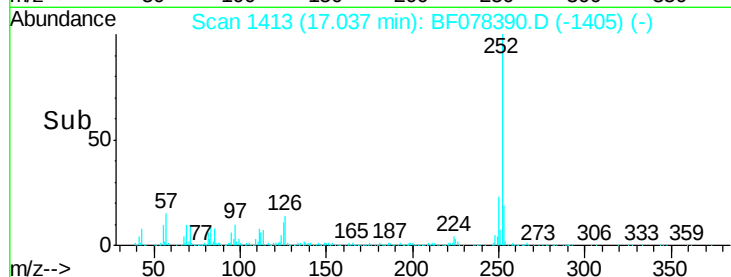
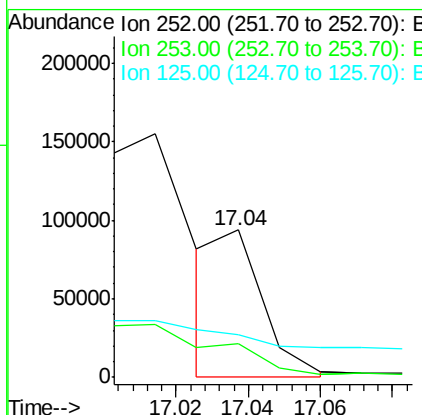
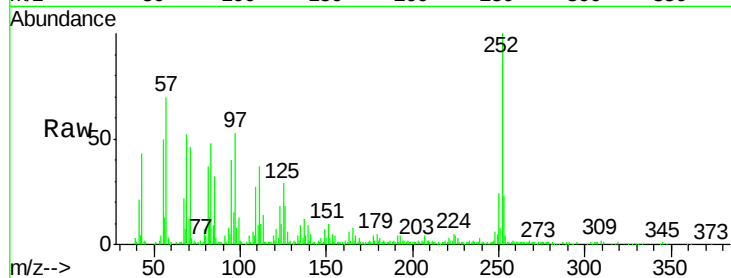
#88
Benzo(k)fluoranthene
Concen: 9.73 ng m
RT: 17.04 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Instrument :
BNA_F
ClientSampleId :
SB-5DDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	28.9	11.6	17.4

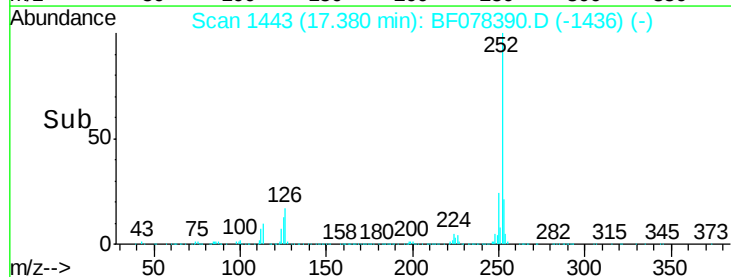
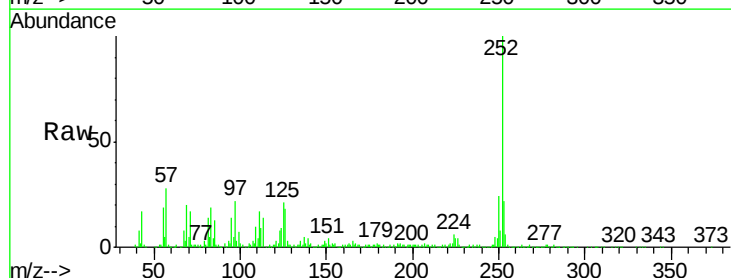
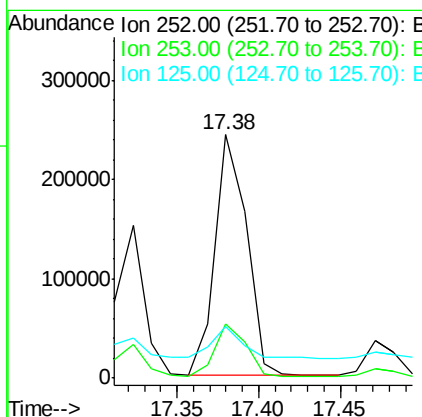
Manual Integrations
APPROVED

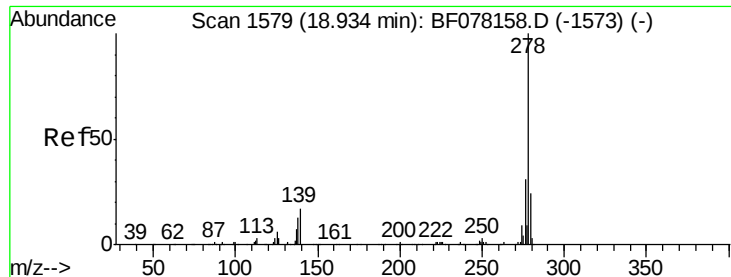
apatel
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#89
Benzo(a)pyrene
Concen: 40.44 ng
RT: 17.38 min Scan# 1443
Delta R.T. -0.02 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.8	25.2
125	21.3	7.4	11.0





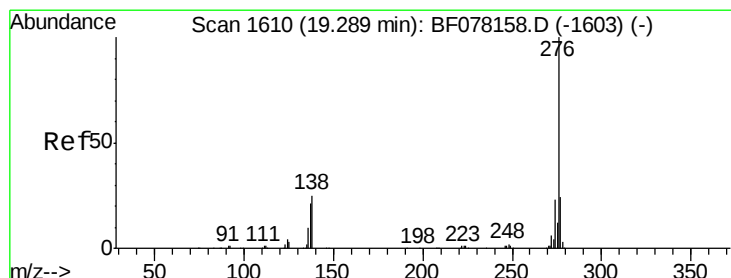
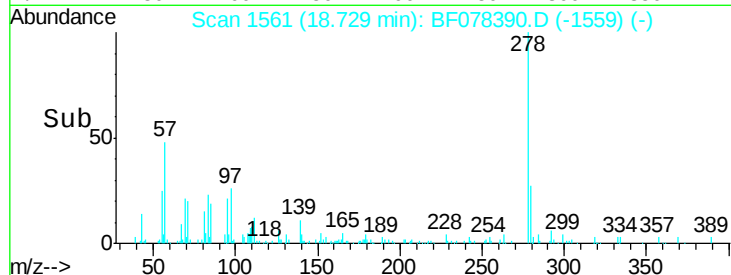
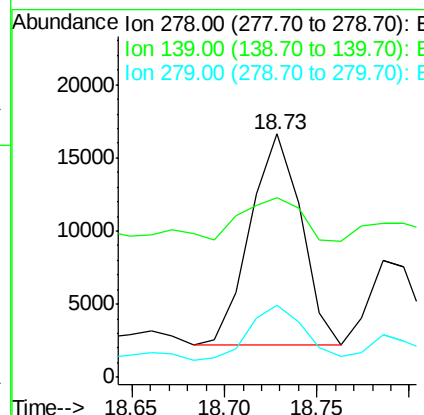
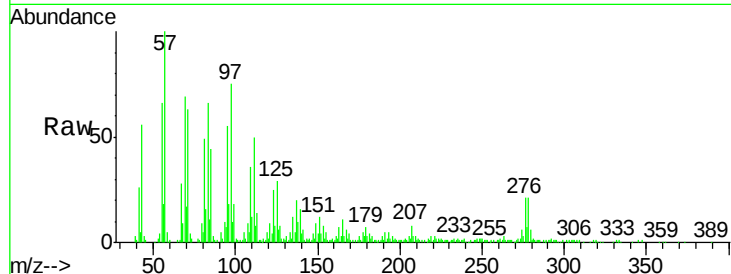
#90
Dibenzo(a,h)anthracene
Concen: 3.46 ng m
RT: 18.73 min Scan# 1561
Delta R.T. -0.08 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Instrument :
BNA_F
ClientSampleId :
SB-5DDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	73.7	13.6	20.4#
279	29.7	19.0	28.6#

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#91
Benzo(g,h,i)perylene
Concen: 17.50 ng m
RT: 19.07 min Scan# 1591
Delta R.T. -0.09 min
Lab File: BF078390.D
Acq: 10 Apr 2015 8:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	26.5	19.9	29.9

