

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
 Data File : BF078634.D
 Acq On : 18 Apr 2015 9:59
 Operator : TP/IZ
 Sample : G1854-13
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB102

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Quant Time: Apr 20 01:36:28 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	27095	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	114157	20.00	ng	0.00
38) Acenaphthene-d10	10.40	164	58740	20.00	ng	-0.01
63) Phenanthrene-d10	12.22	188	123346	20.00	ng	0.00
75) Chrysene-d12	15.46	240	146377	20.00	ng	0.00
86) Perylene-d12	17.13	264	149168	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.90	112	145157	88.33	ng	0.00
7) Phenol-d6	6.30	99	188027	91.30	ng	0.01
23) Nitrobenzene-d5	7.38	82	118542	62.94	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	52516	107.80	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	226040	55.01	ng	0.00
78) Terphenyl-d14	14.21	244	303343	46.83	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.27	128	29241	4.92	ng	99
37) 2-Methylnaphthalene	9.13	142	10572	2.62	ng	# 93
48) Acenaphthylene	10.23	152	37039	6.07	ng	98
49) Dimethylphthalate	10.11	163	38667	8.76	ng	99
54) Dibenzofuran	10.66	168	14858	2.83	ng	99
57) Fluorene	11.07	166	10257	2.41	ng	98
70) Phenanthrene	12.25	178	170857	23.95	ng	100
71) Anthracene	12.31	178	61769	8.79	ng	98
72) Carbazole	12.54	167	20029	3.04	ng	97
74) Fluoranthene	13.71	202	348283	46.29	ng	91
77) Pyrene	13.98	202	317823	34.59	ng	# 92
80) Benzo(a)anthracene	15.45	228	217324m	24.95	ng	
82) Chrysene	15.50	228	190330	23.26	ng	98
83) Bis(2-ethylhexyl)phthalate	15.57	149	15885	2.89	ng	# 95
85) Indeno(1,2,3-cd)pyrene	18.30	276	195271m	21.03	ng	
87) Benzo(b)fluoranthene	16.71	252	337235m	36.58	ng	
88) Benzo(k)fluoranthene	16.74	252	90365m	11.03	ng	
89) Benzo(a)pyrene	17.07	252	243675	30.29	ng	95
90) Dibenzo(a,h)anthracene	18.31	278	43290m	5.37	ng	
91) Benzo(a,h,i)perylene	18.62	276	190376	23.57	ng	98

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

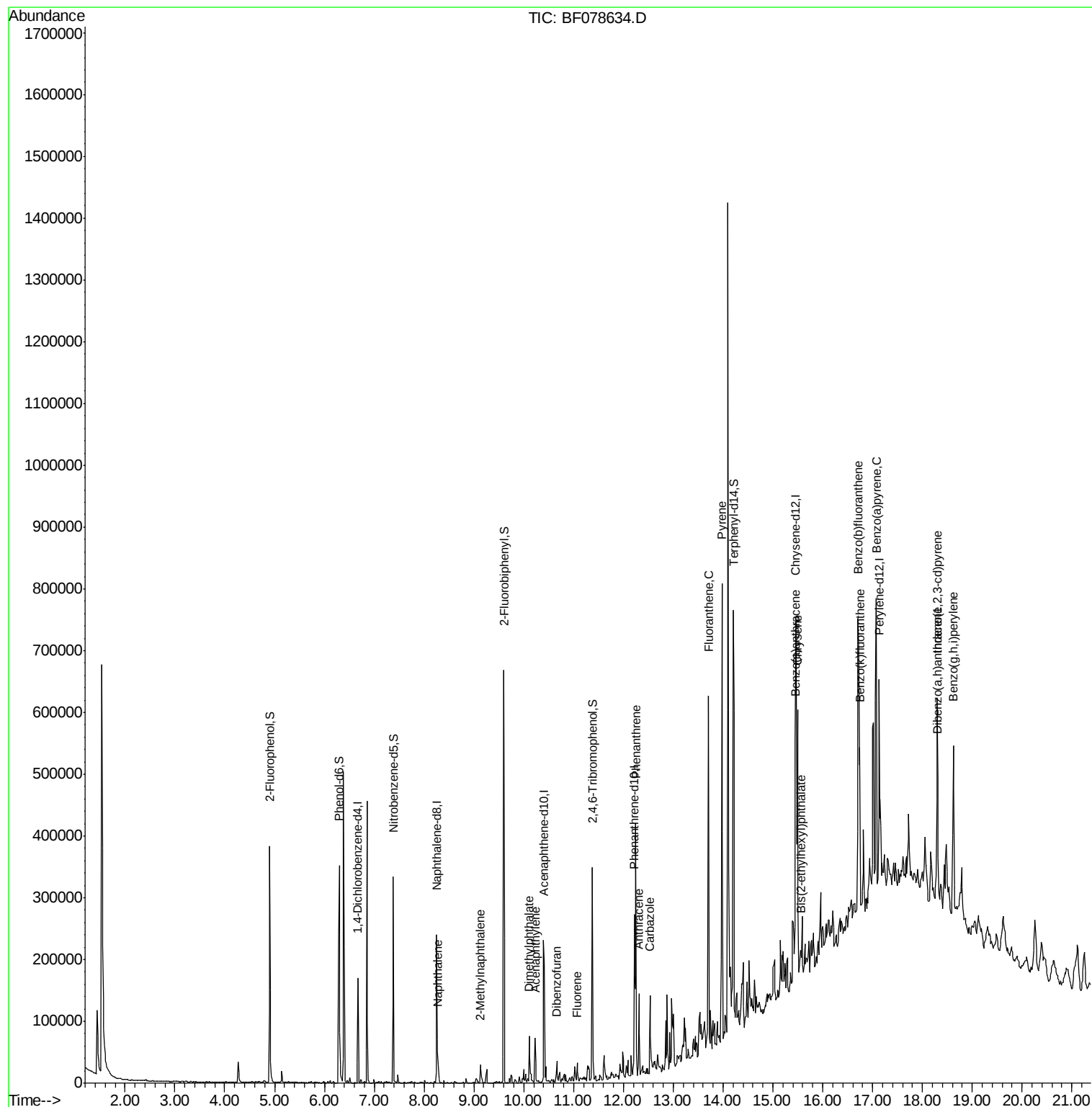
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
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ALS Vial : 31 Sample Multiplier: 1

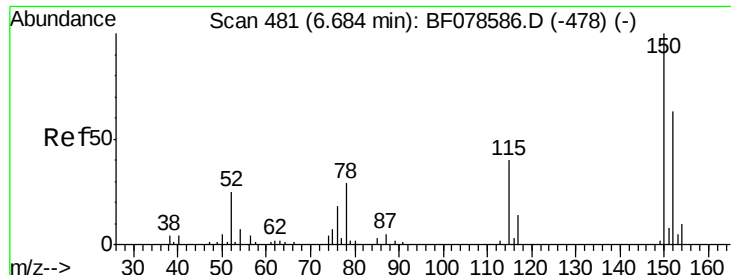
Instrument :
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Quant Time: Apr 20 01:36:28 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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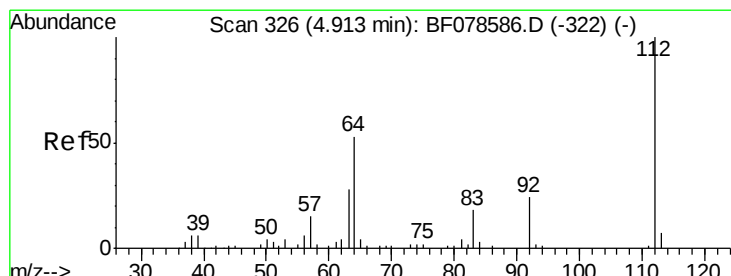
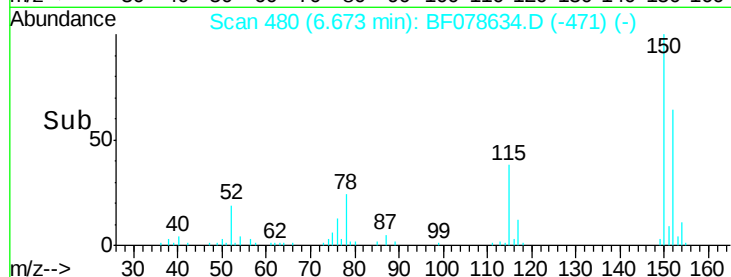
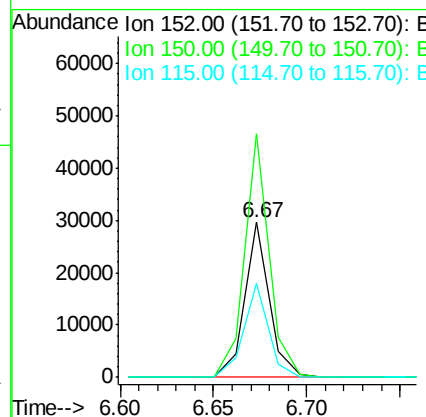
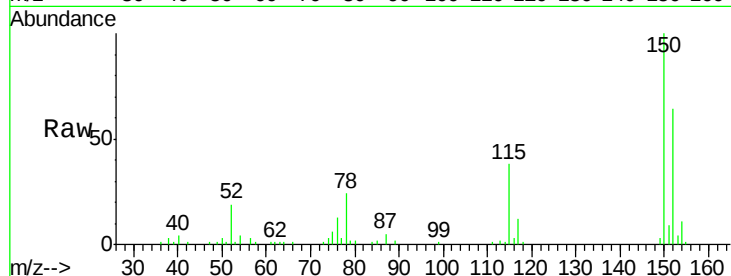
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: BF078634.D
 Acq: 18 Apr 2015 9:59

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB102

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.9	188.9
115	60.4	52.7	79.1

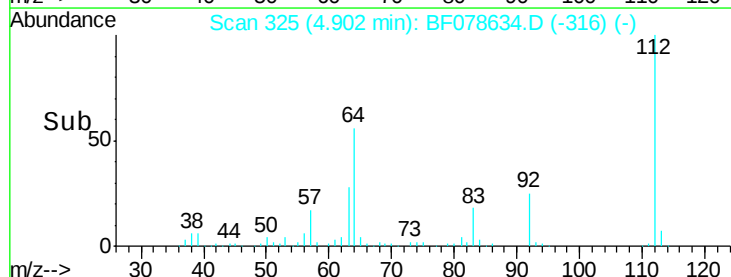
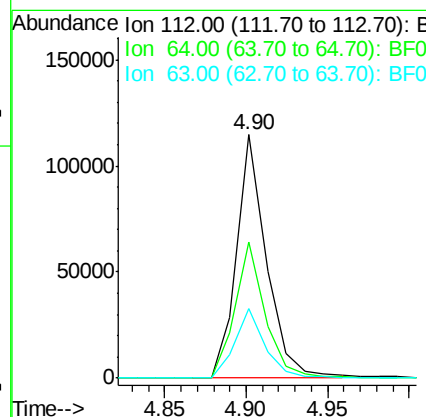
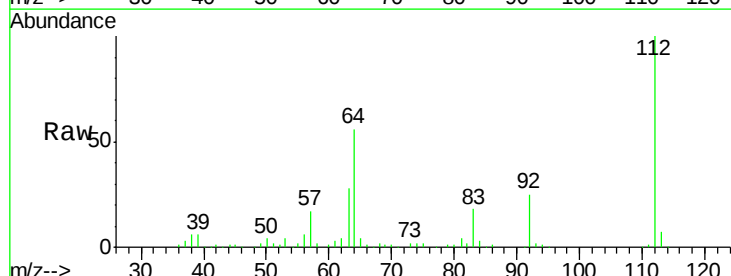
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#5
 2-Fluorophenol
 Concen: 88.33 ng
 RT: 4.90 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: BF078634.D
 Acq: 18 Apr 2015 9:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	39.9	59.9
63	28.5	20.2	30.4





#7

Phenol-d6

Concen: 91.30 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.01 min

Lab File: BF078634.D

Acq: 18 Apr 2015 9:59

Instrument :

BNA_F

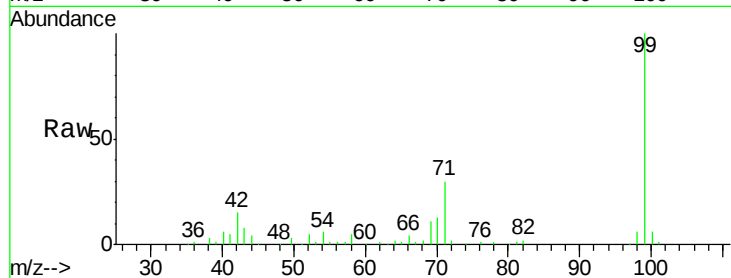
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LS-SB102

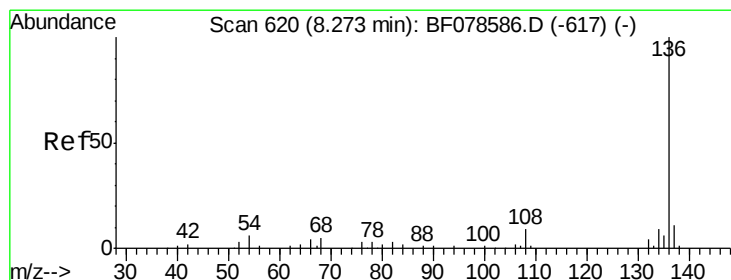
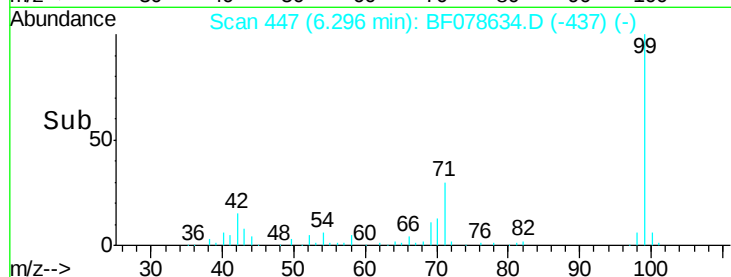
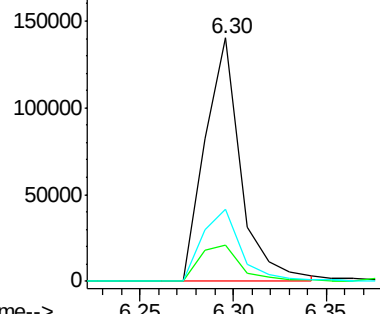
Tot Ion:	99	Resp:	188027
Ion Ratio	Lower	Upper	
99	100		
42	14.9	14.8	22.2
71	29.7	26.6	39.8

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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

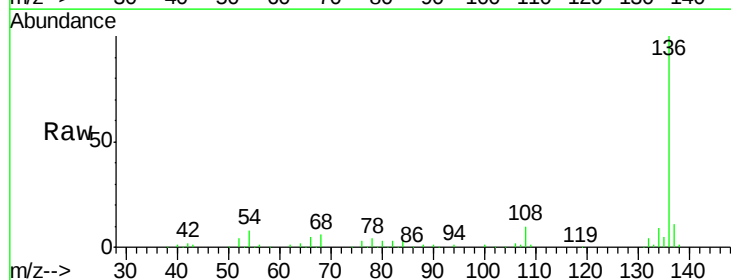
RT: 8.25 min Scan# 618

Delta R.T. 0.00 min

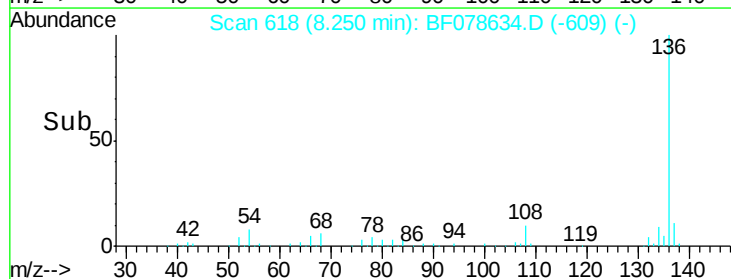
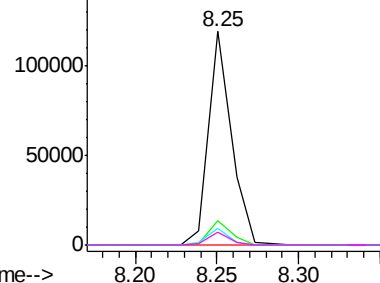
Lab File: BF078634.D

Acq: 18 Apr 2015 9:59

Tgt Ion:	136	Resp:	114157
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.4
54	7.5	7.0	10.6
68	5.9	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





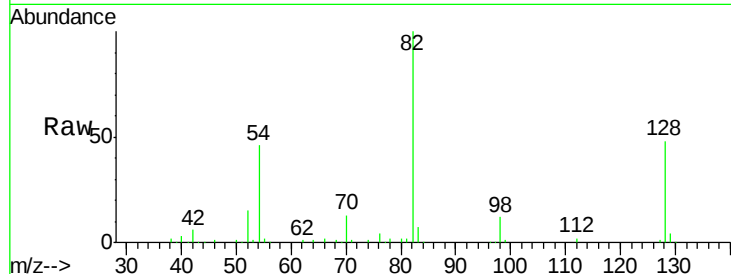
#23
Nitrobenzene-d5
Concen: 62.94 ng
RT: 7.38 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Instrument :
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ClientSampleId :
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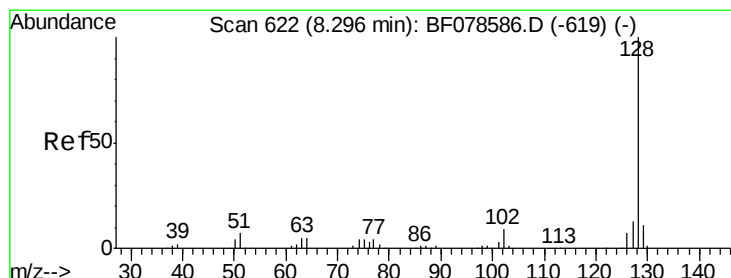
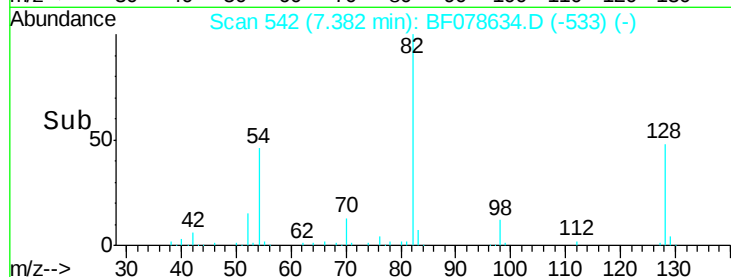
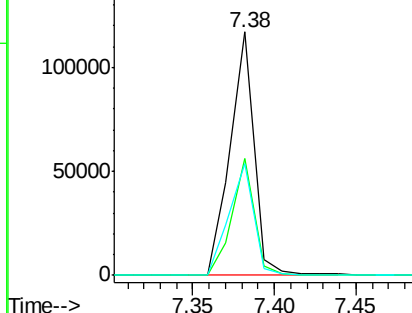
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.1	31.8	47.8	
54	46.1	41.5	62.3	

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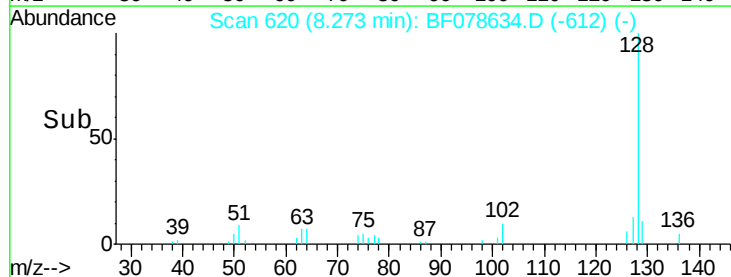
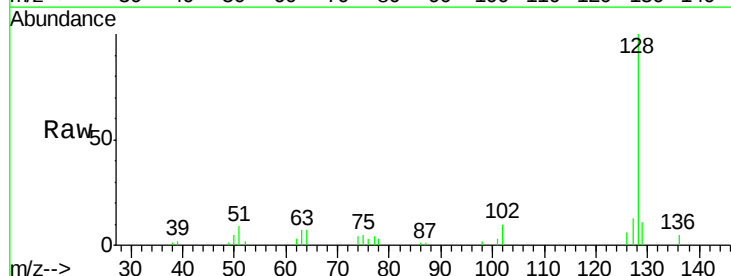
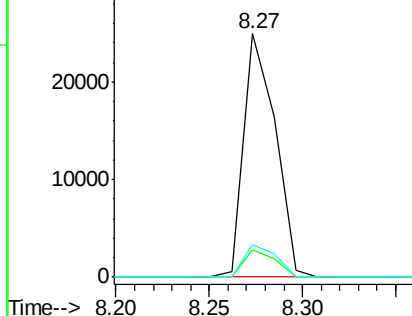
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

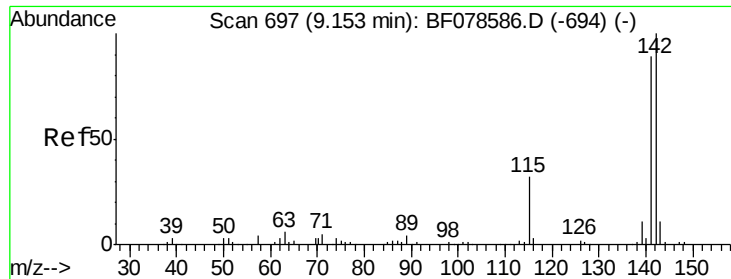


#31
Naphthalene
Concen: 4.92 ng
RT: 8.27 min Scan# 620
Delta R.T. -0.01 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.3	8.6	12.8	
127	13.3	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





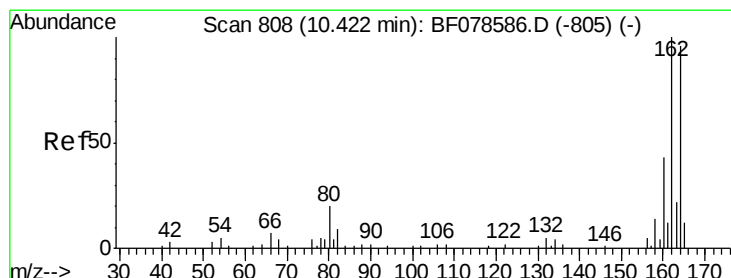
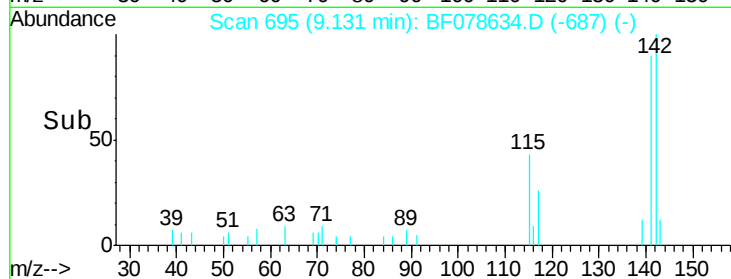
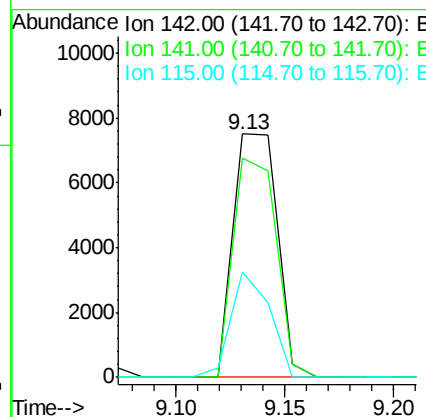
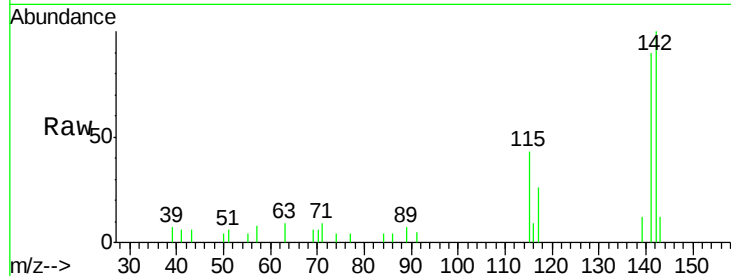
#37
2-Methylnaphthalene
Concen: 2.62 ng
RT: 9.13 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.3	105.5
115	43.3	24.6	37.0

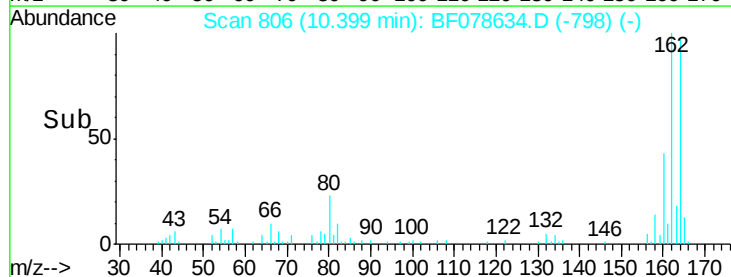
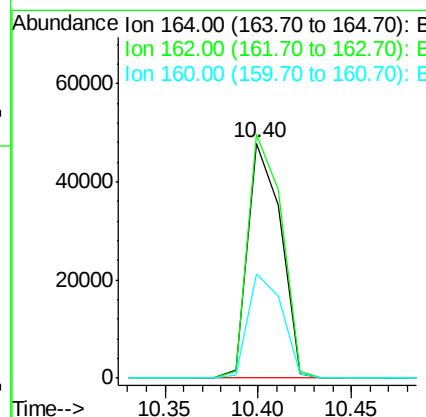
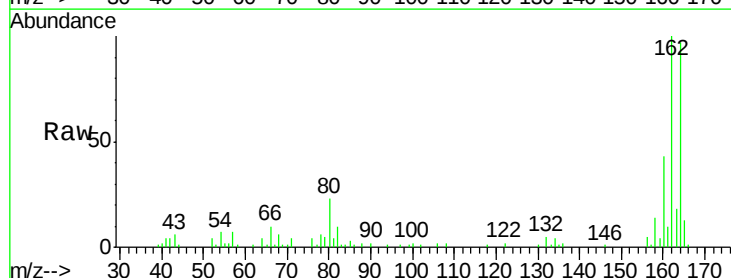
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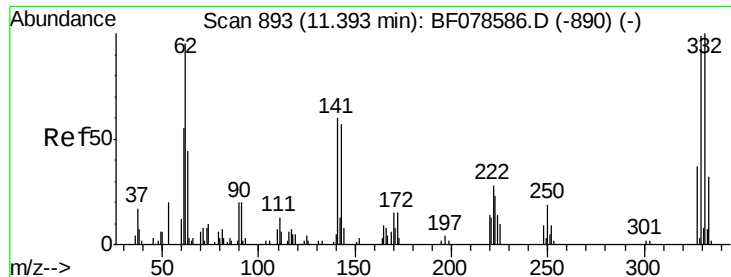
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.40 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.2	123.2
160	44.4	34.7	52.1





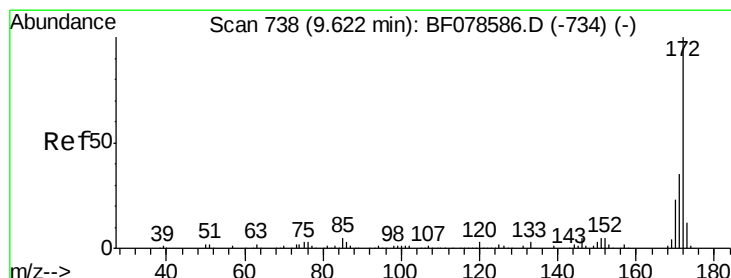
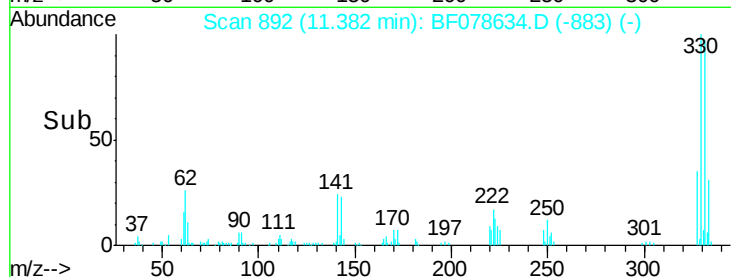
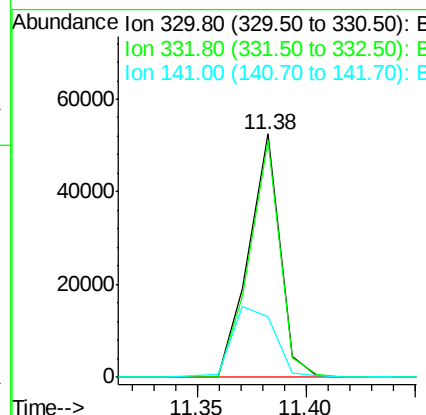
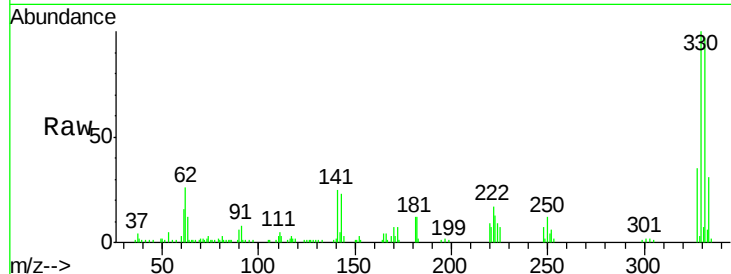
#41
 2,4,6-Tribromophenol
 Concen: 107.80 ng
 RT: 11.38 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: BF078634.D
 Acq: 18 Apr 2015 9:59

Instrument :
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 ClientSampleId :
 LS-SB102

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	78.6	117.8	
141	40.2	31.2	46.8	

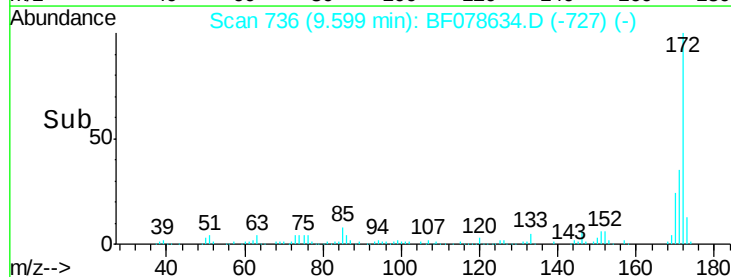
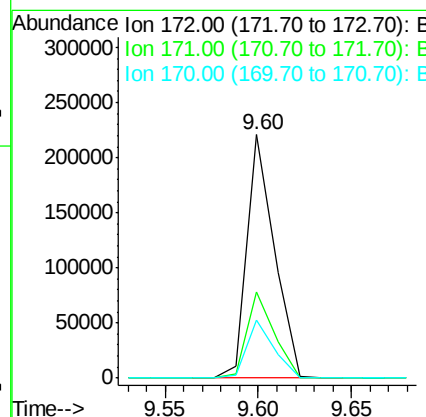
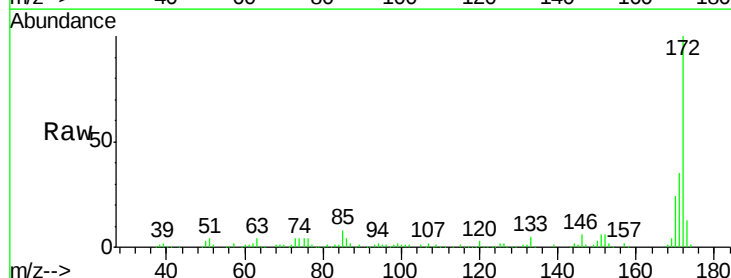
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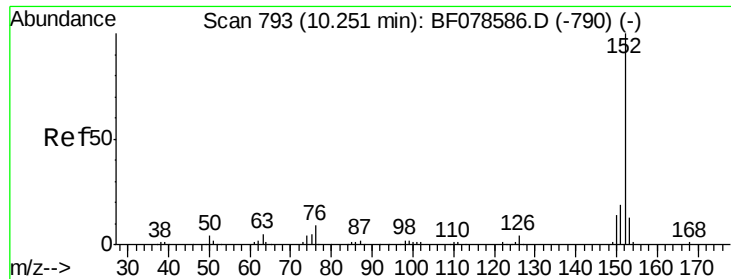
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#44
 2-Fluorobiphenyl
 Concen: 55.01 ng
 RT: 9.60 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BF078634.D
 Acq: 18 Apr 2015 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	28.6	42.8	
170	23.7	18.5	27.7	





#48

Acenaphthylene

Concen: 6.07 ng

RT: 10.23 min Scan# 791

Delta R.T. 0.00 min

Lab File: BF078634.D

Acq: 18 Apr 2015 9:59

Instrument :

BNA_F

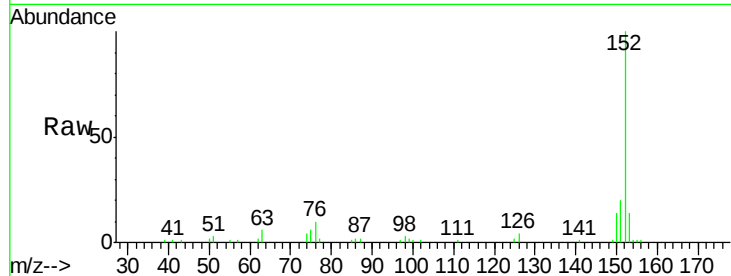
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LS-SB102

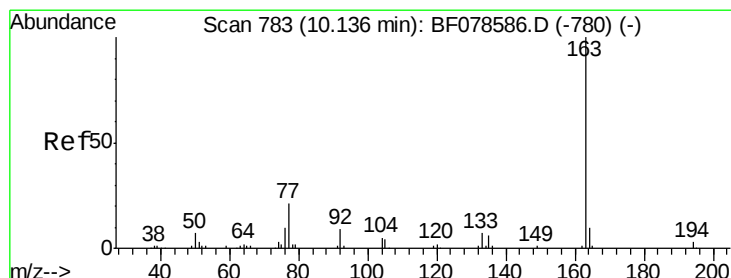
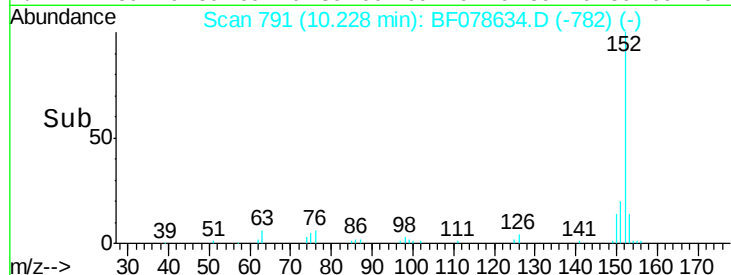
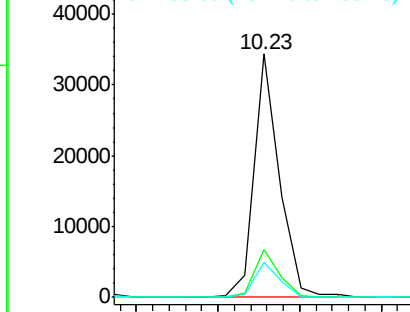
Tot Ion:	152	Resp:	37039
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.7	23.5
153	14.2	10.2	15.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 8.76 ng

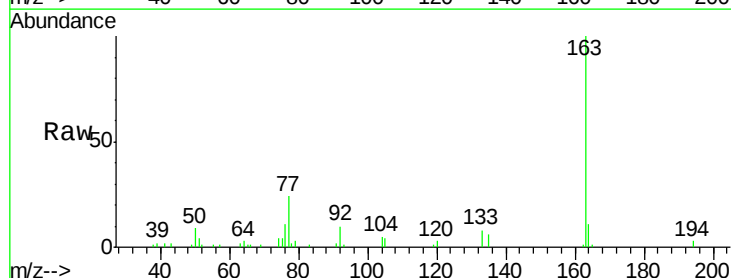
RT: 10.11 min Scan# 781

Delta R.T. -0.01 min

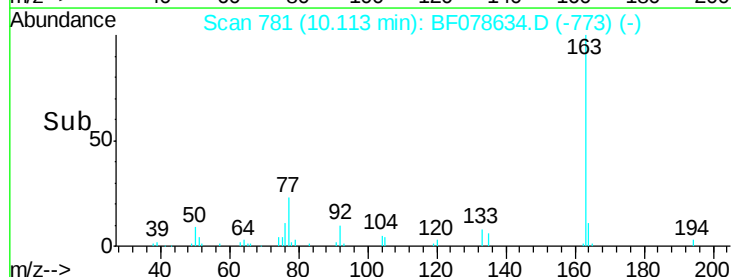
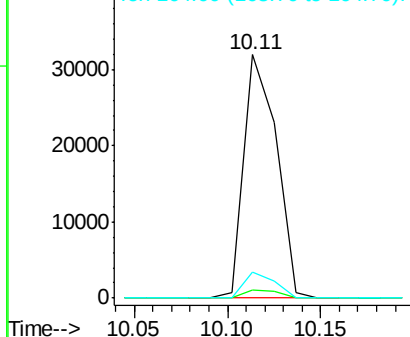
Lab File: BF078634.D

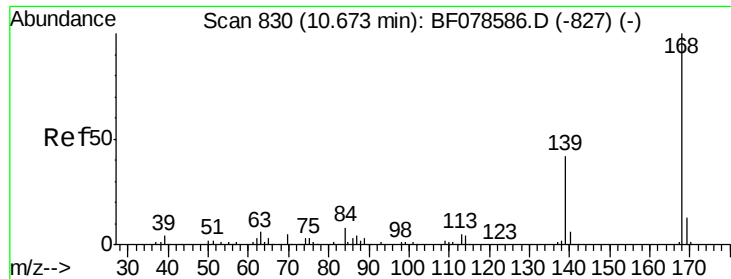
Acq: 18 Apr 2015 9:59

Tgt Ion:	163	Resp:	38667
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.3	3.5
164	10.6	8.6	13.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





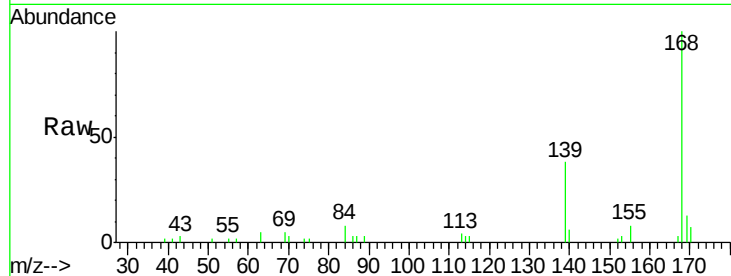
#54
Dibenzenofuran
Concen: 2.83 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

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LS-SB102

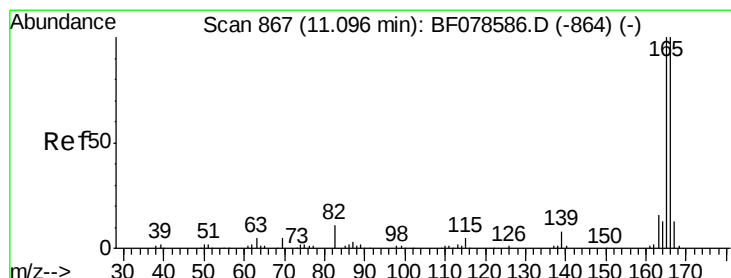
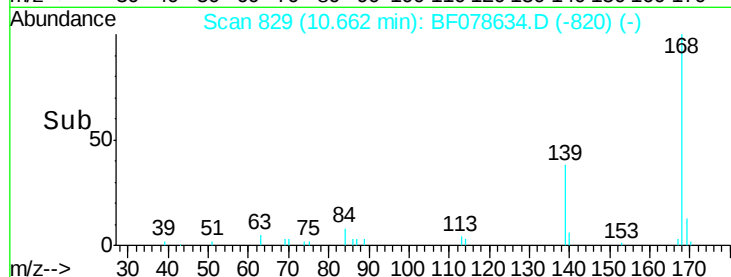
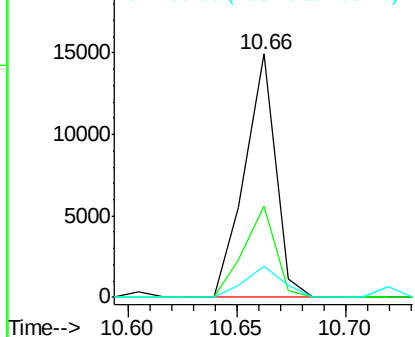
Tot Ion	Ratio	Resp	Lower	Upper
168	100	14858		
139	37.7		31.0	46.4
169	13.0		10.7	16.1

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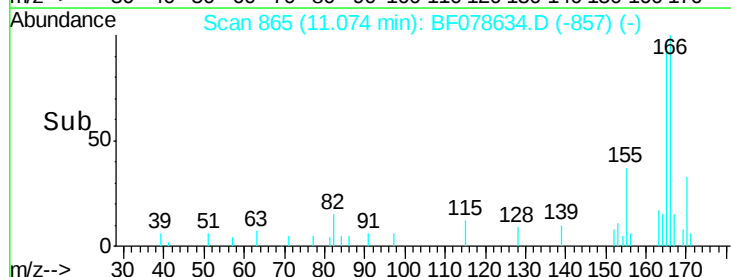
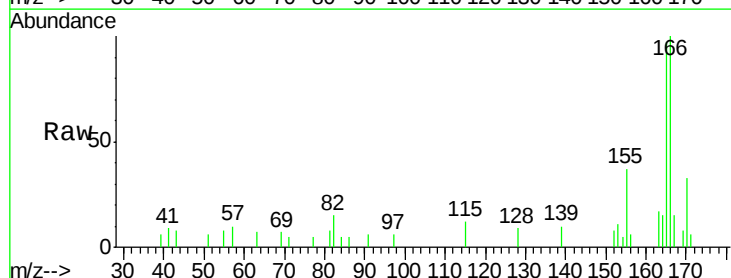
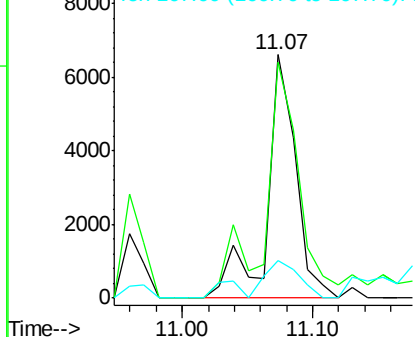
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

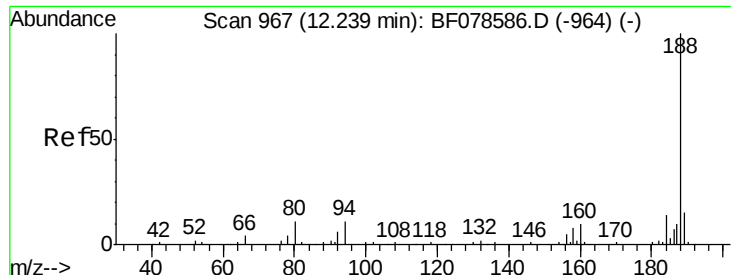


#57
Fluorene
Concen: 2.41 ng
RT: 11.07 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	10257		
165	96.7		78.9	118.3
167	15.2		10.7	16.1

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





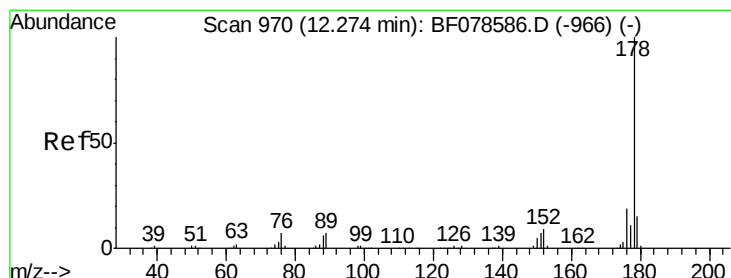
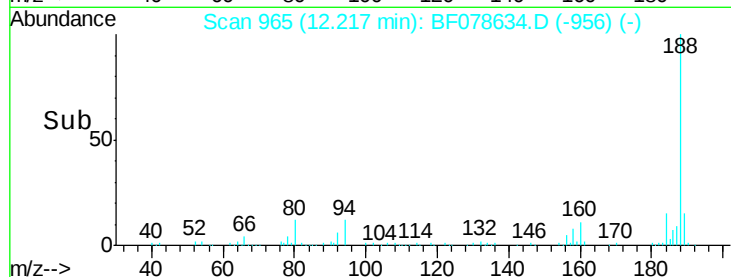
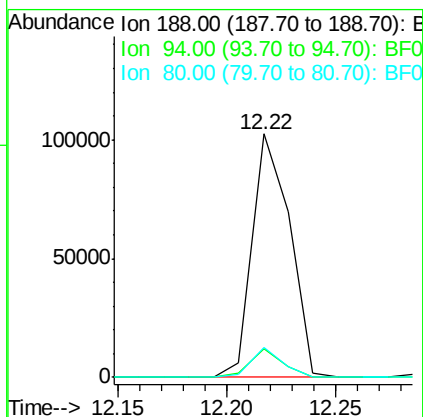
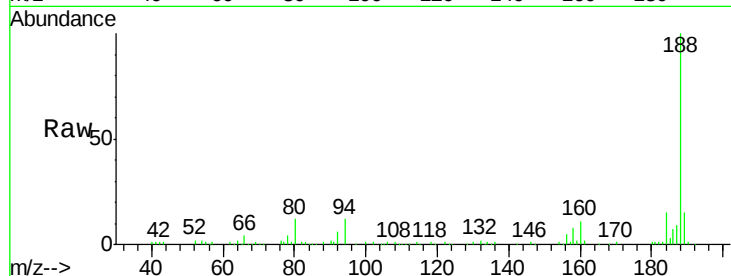
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Instrument :
BNA_F
ClientSampleId :
LS-SB102

Tot Ion	Ratio	Resp	Lower	Upper
188	100	123346		
94	11.7	9.0	13.4	
80	12.4	9.5	14.3	

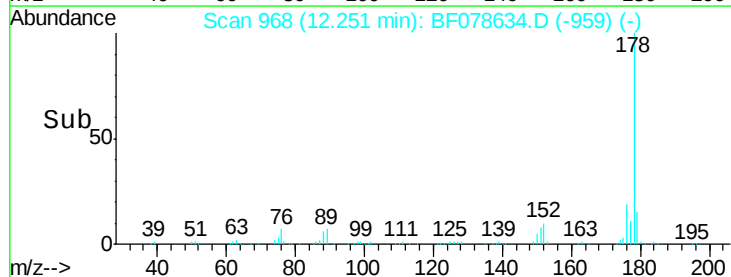
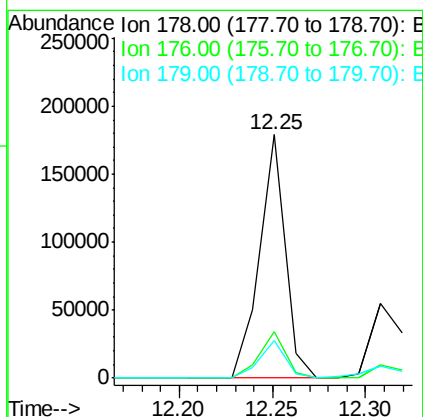
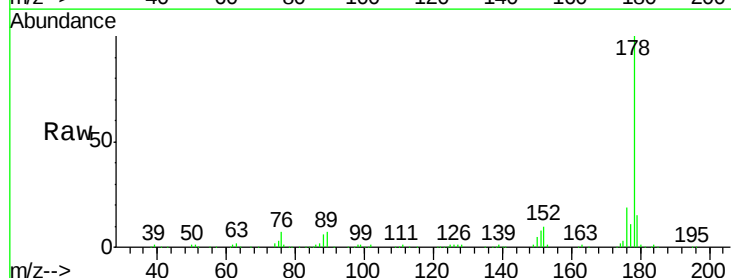
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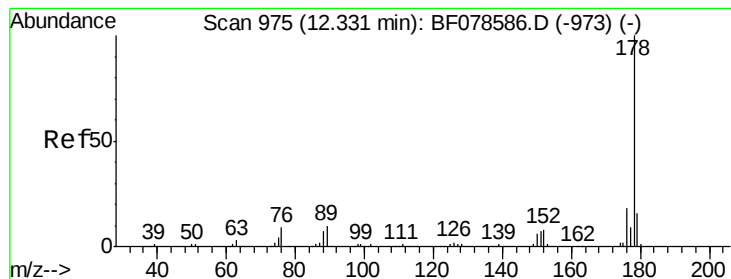
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#70
Phenanthrene
Concen: 23.95 ng
RT: 12.25 min Scan# 968
Delta R.T. 0.00 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	170857		
176	19.1	15.4	23.0	
179	15.2	12.2	18.2	





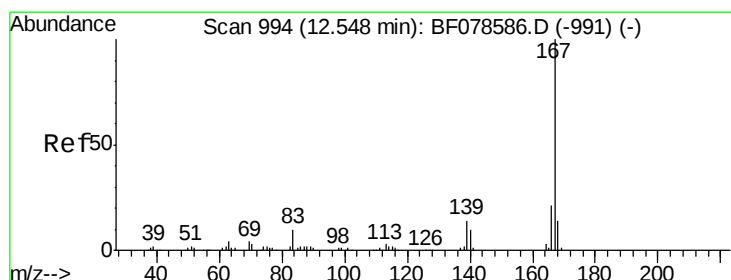
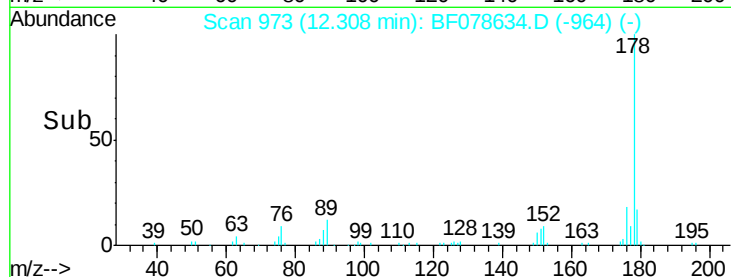
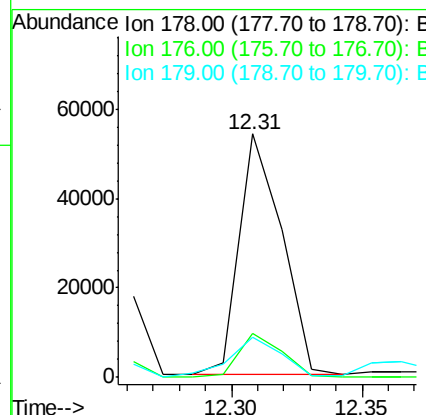
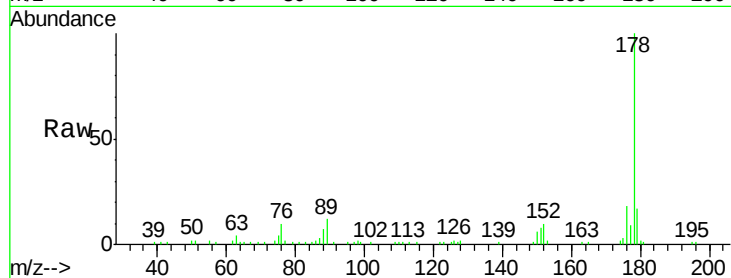
#71
 Anthracene
 Concen: 8.79 ng
 RT: 12.31 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: BF078634.D
 Acq: 18 Apr 2015 9:59

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB102

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.8	22.2
179	16.7	12.4	18.6

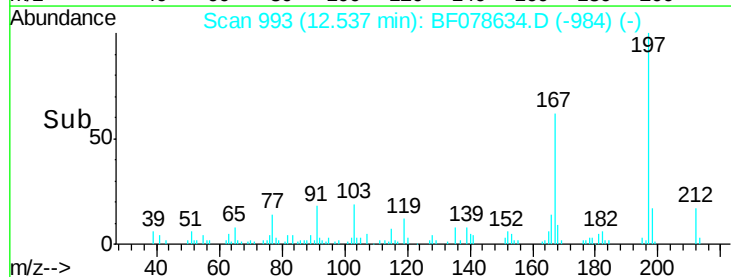
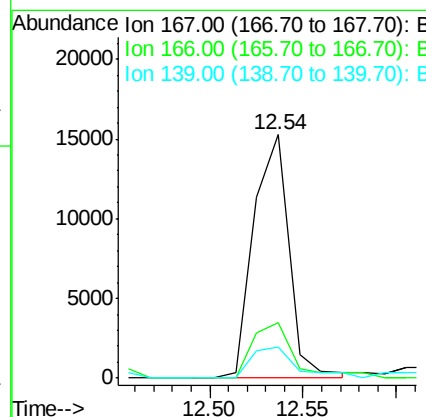
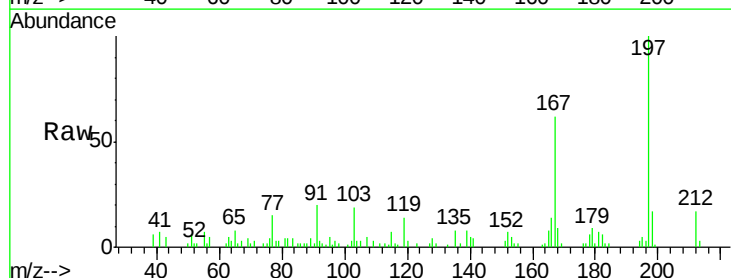
Manual Integrations
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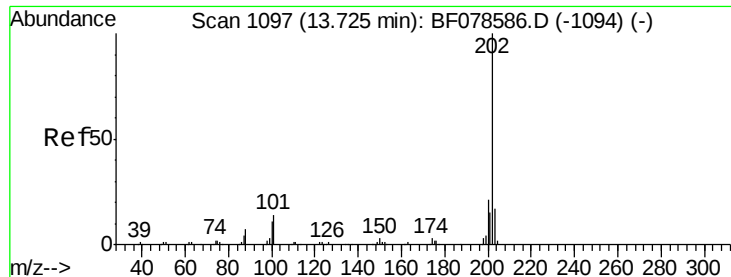
apatel
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#72
 Carbazole
 Concen: 3.04 ng
 RT: 12.54 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: BF078634.D
 Acq: 18 Apr 2015 9:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	16.8	25.2
139	12.6	10.0	15.0





#74

Fluoranthene

Concen: 46.29 ng

RT: 13.71 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BF078634.D

Acq: 18 Apr 2015 9:59

Instrument :

BNA_F

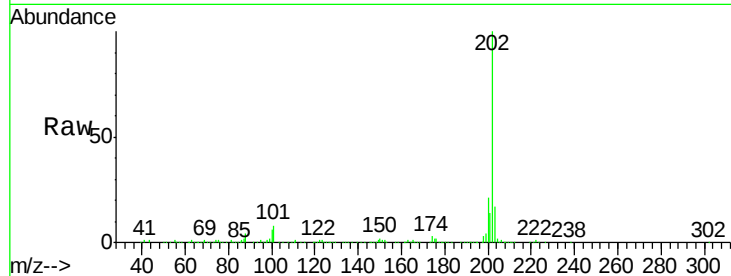
ClientSampleId :

LS-SB102

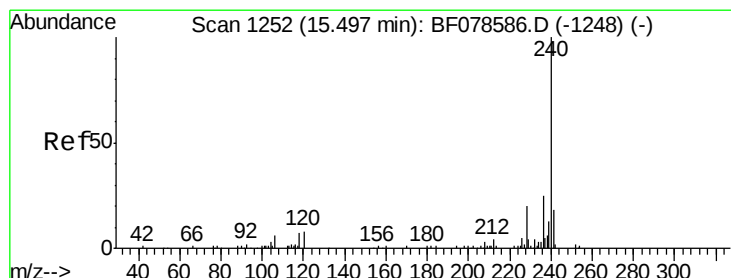
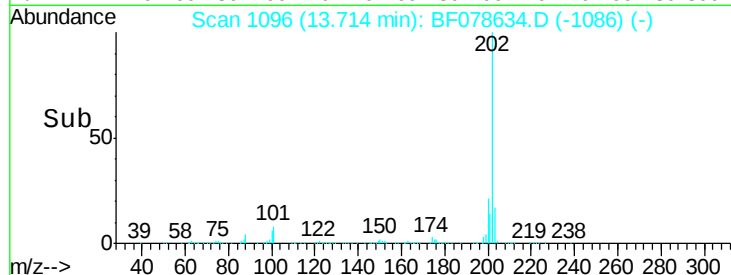
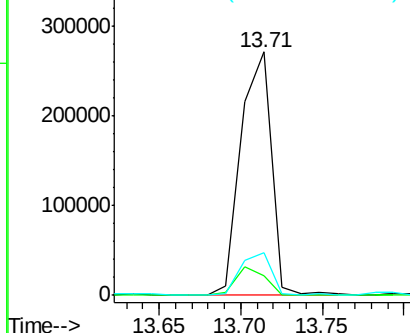
Tot Ion:	202	Resp:	348283
Ion Ratio		Lower	Upper
202	100		
101	8.0	0.0	35.2
203	17.4	0.0	38.5

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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

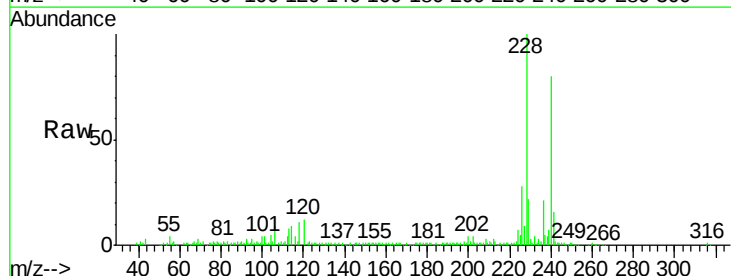
RT: 15.46 min Scan# 1249

Delta R.T. 0.00 min

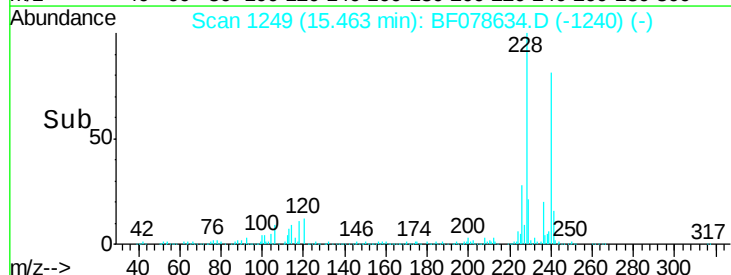
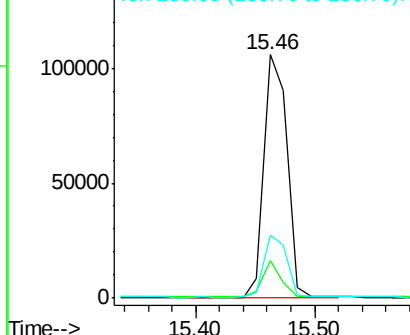
Lab File: BF078634.D

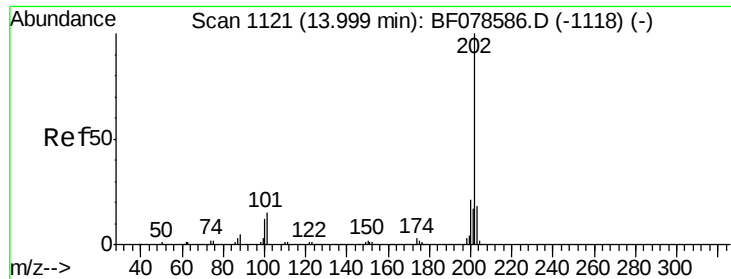
Acq: 18 Apr 2015 9:59

Tgt Ion:	240	Resp:	146377
Ion Ratio		Lower	Upper
240	100		
120	15.5	7.1	10.7#
236	25.9	21.4	32.2



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

Pvrene

Concen: 34.59 ng

RT: 13.98 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BF078634.D

Acq: 18 Apr 2015 9:59

Instrument :

BNA_F

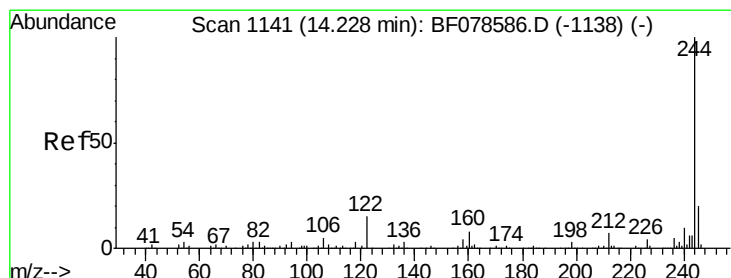
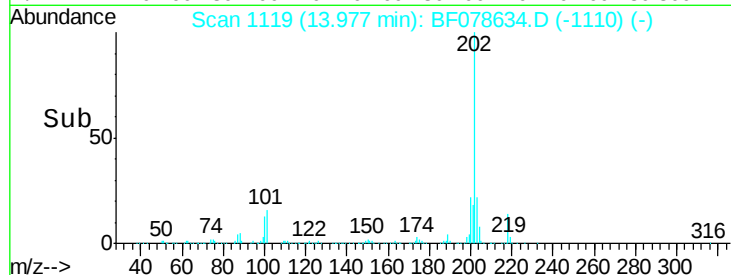
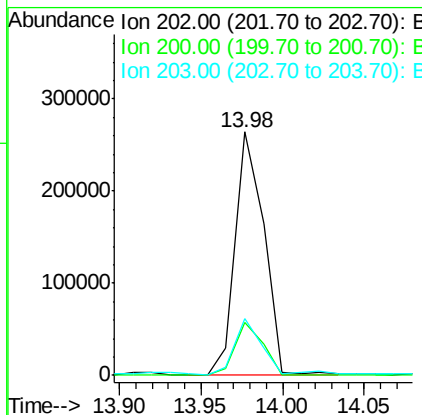
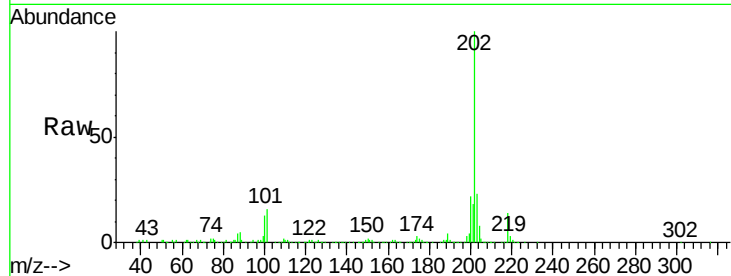
ClientSampleId :

LS-SB102

Tot Ion:	202	Resp:	317823
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.3	24.5
203	23.1	13.8	20.6

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#78

Terphenyl-d14

Concen: 46.83 ng

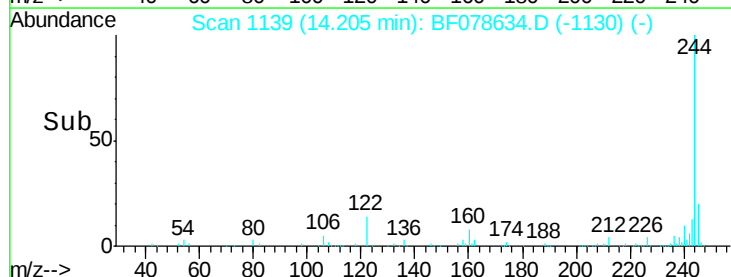
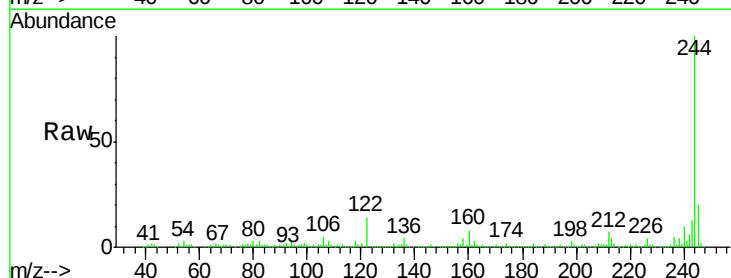
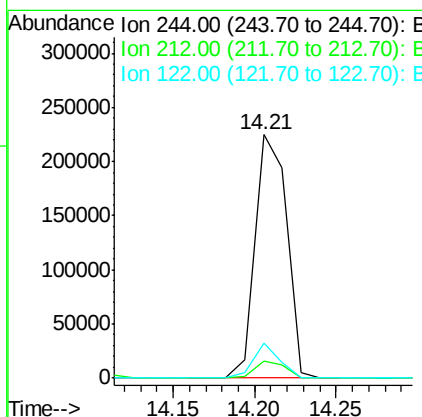
RT: 14.21 min Scan# 1139

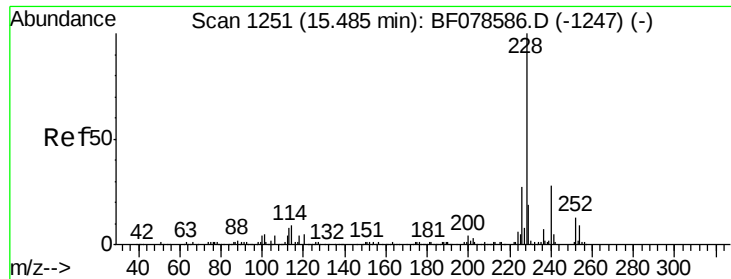
Delta R.T. 0.00 min

Lab File: BF078634.D

Acq: 18 Apr 2015 9:59

Tgt Ion:	244	Resp:	303343
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.0	7.4
122	14.2	7.1	10.7





#80

Benzo(a)anthracene

Concen: 24.95 ng

RT: 15.45 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BF078634.D

Acq: 18 Apr 2015 9:59

Instrument :

BNA_F

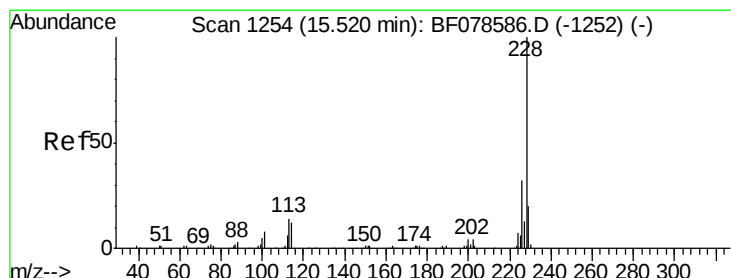
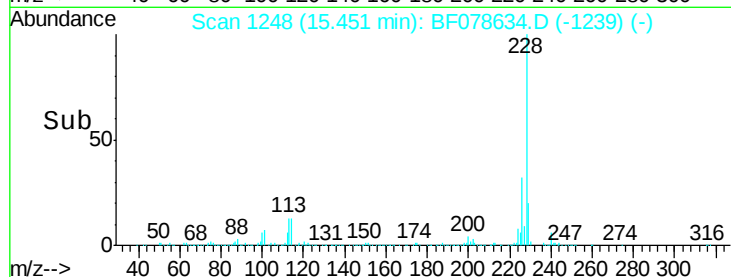
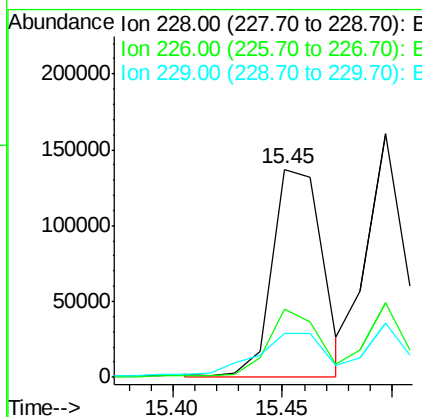
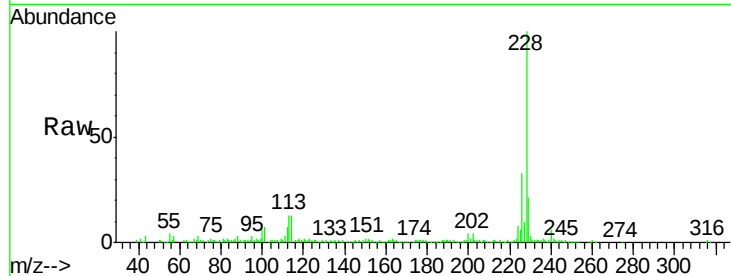
ClientSampleId :

LS-SB102

Tot Ion:	228	Resp:	217324
Ion Ratio	Lower	Upper	
228	100		
226	32.6	21.3	31.9#
229	21.1	15.4	23.2

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#82

Chrysene

Concen: 23.26 ng

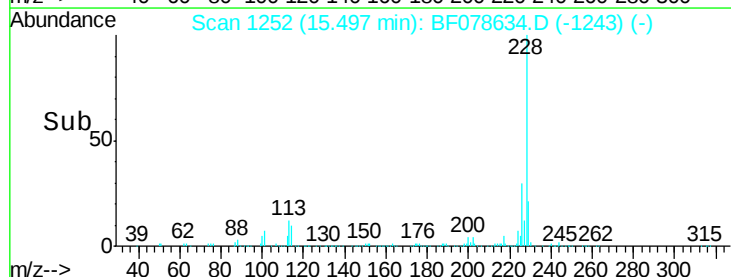
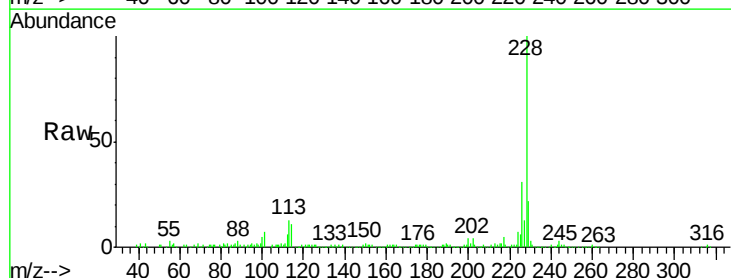
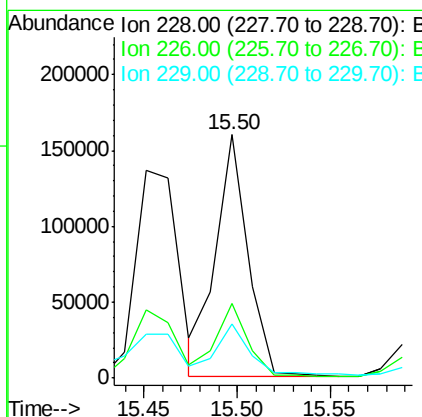
RT: 15.50 min Scan# 1252

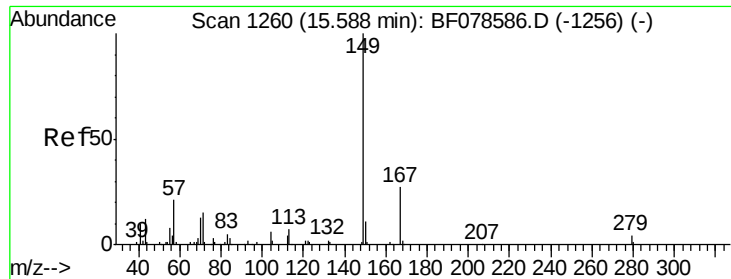
Delta R.T. 0.00 min

Lab File: BF078634.D

Acq: 18 Apr 2015 9:59

Tgt Ion:	228	Resp:	190330
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.2	36.4
229	22.3	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.89 ng

RT: 15.57 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BF078634.D

Acq: 18 Apr 2015 9:59

Instrument :

BNA_F

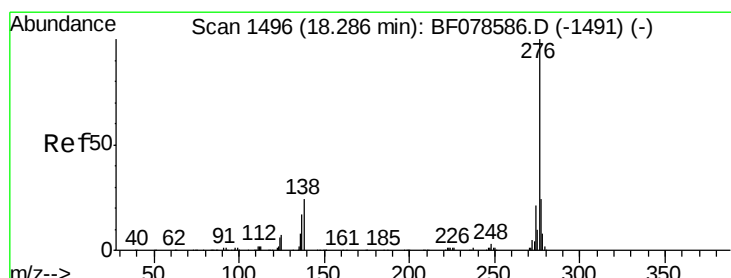
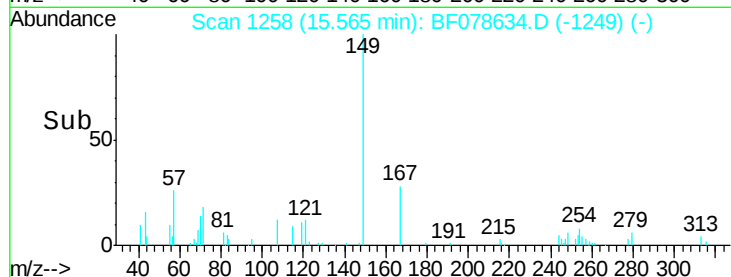
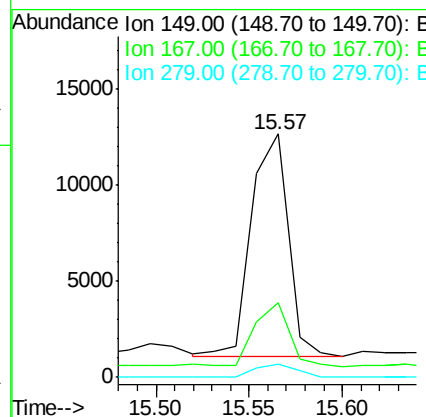
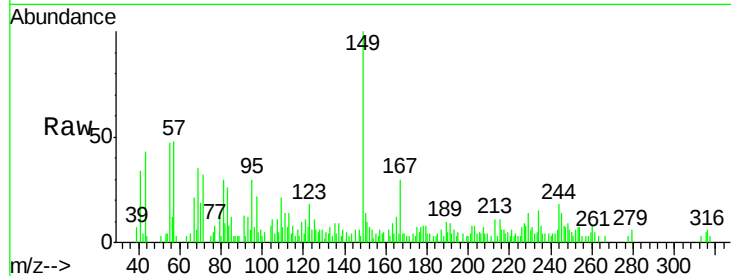
ClientSampleId :

LS-SB102

Tot Ion:	149	Resp:	15885
Ion Ratio	Lower	Upper	
149	100		
167	30.5	22.2	33.2
279	5.6	3.2	4.8#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 21.03 ng m

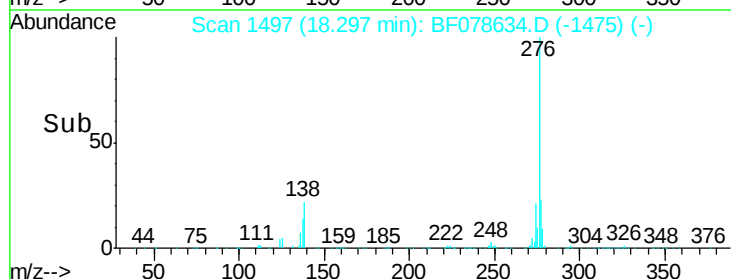
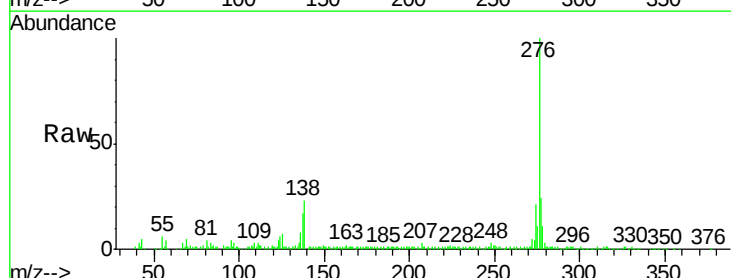
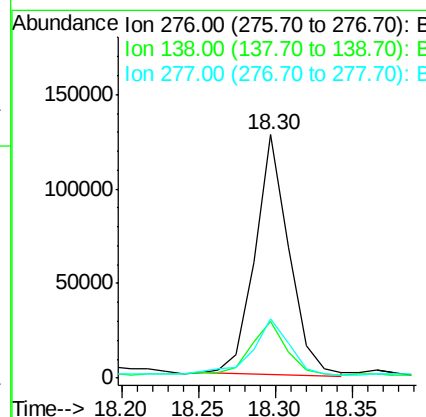
RT: 18.30 min Scan# 1497

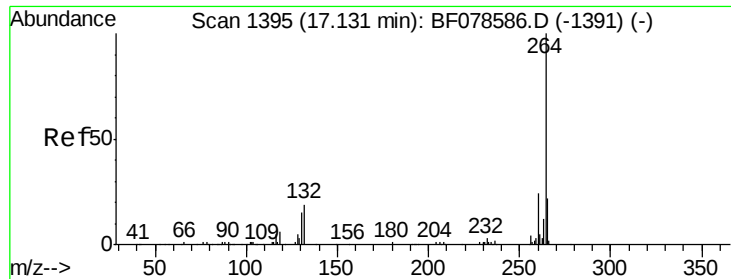
Delta R.T. -0.05 min

Lab File: BF078634.D

Acq: 18 Apr 2015 9:59

Tgt Ion:	276	Resp:	195271
Ion Ratio	Lower	Upper	
276	100		
138	4.8	16.9	25.3#
277	4.4	15.8	23.6#





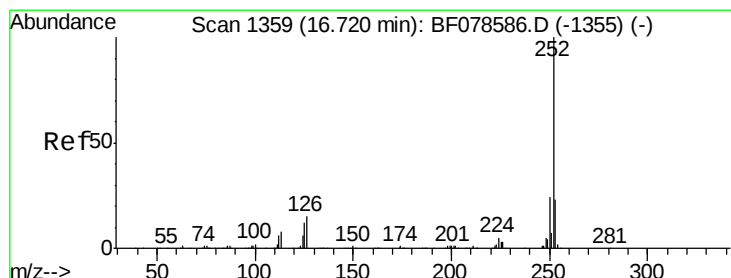
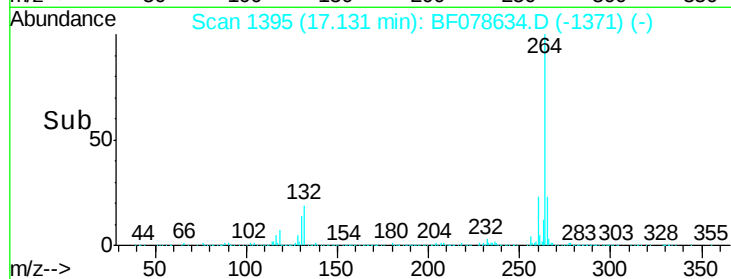
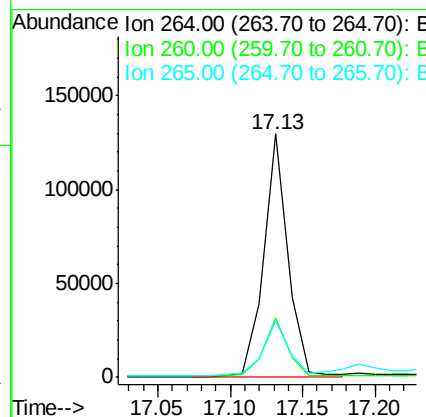
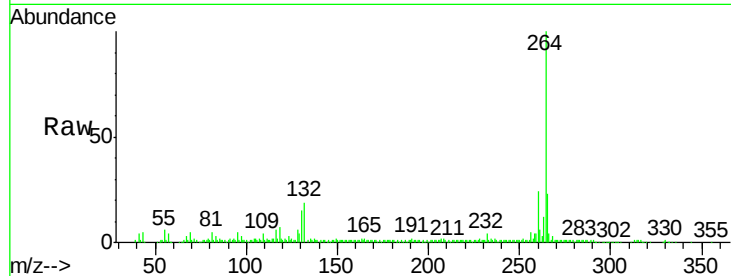
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.13 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Instrument :
BNA_F
ClientSampleId :
LS-SB102

Tot Ion	Ratio	Resp	Lower	Upper
264	100	149168		
260	24.2	18.6	27.8	
265	23.1	17.0	25.6	

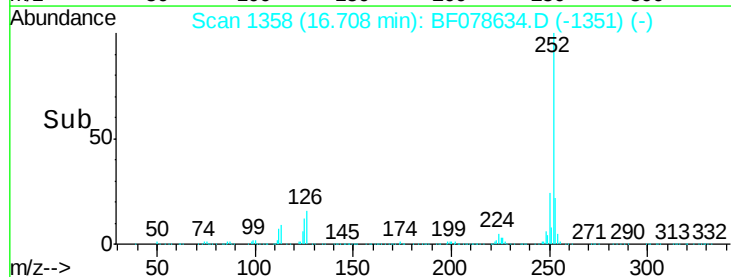
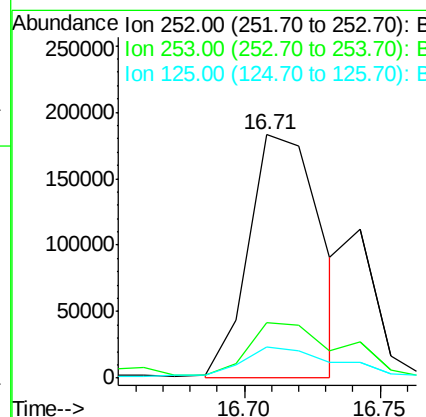
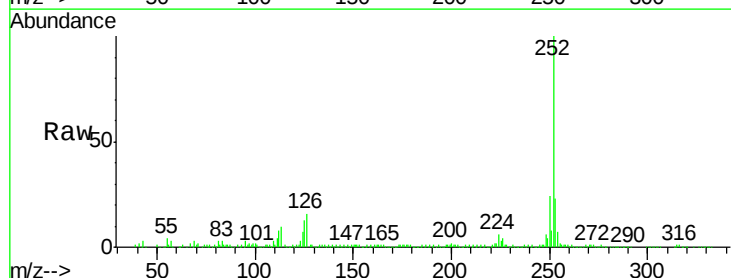
Manual Integrations
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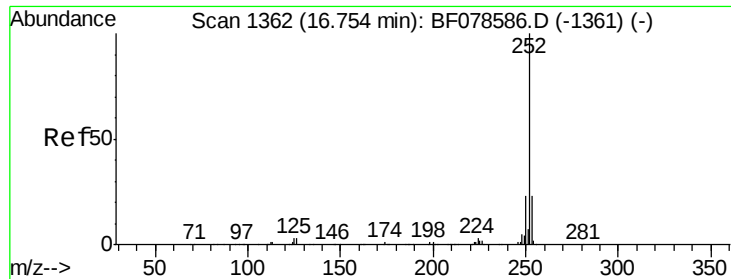
apatel
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#87
Benzo(b)fluoranthene
Concen: 36.58 ng m
RT: 16.71 min Scan# 1358
Delta R.T. -0.02 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	337235		
253	22.7	17.2	25.8	
125	12.8	7.0	10.4	





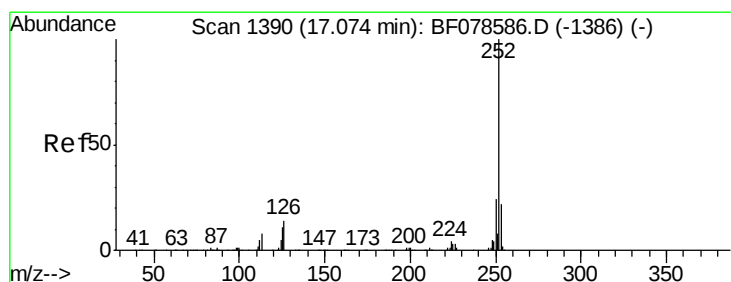
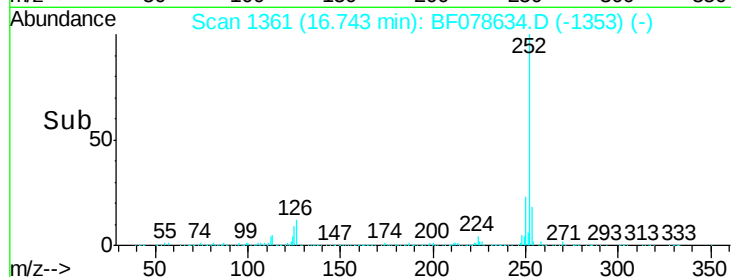
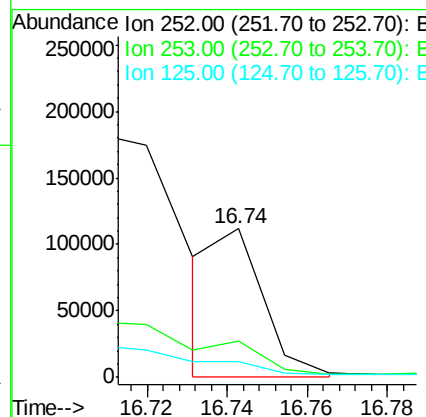
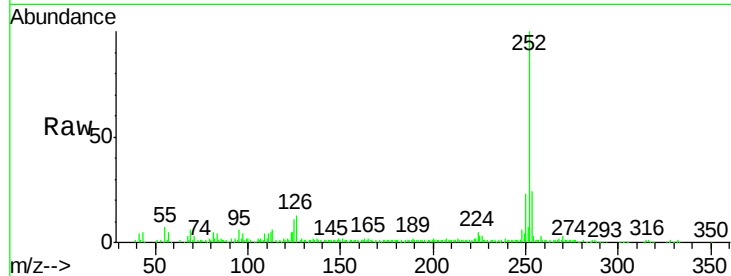
#88
Benzo(k)fluoranthene
Concen: 11.03 ng m
RT: 16.74 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Instrument :
BNA_F
ClientSampleId :
LS-SB102

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	10.5	11.6	17.4

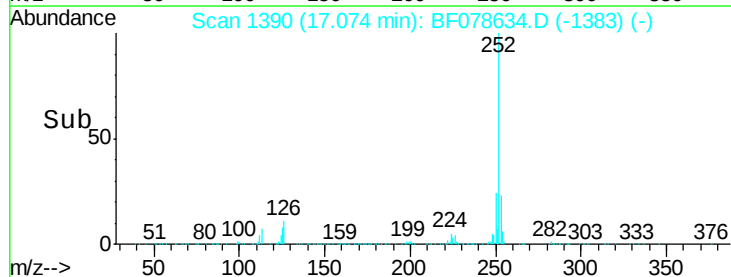
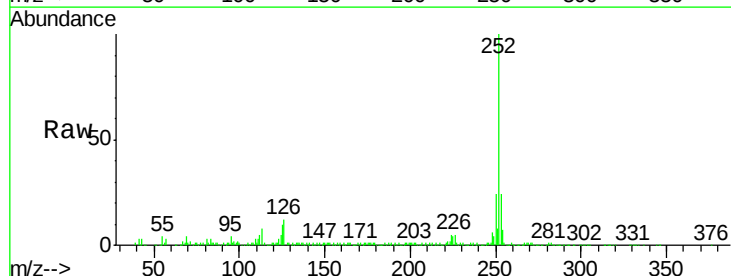
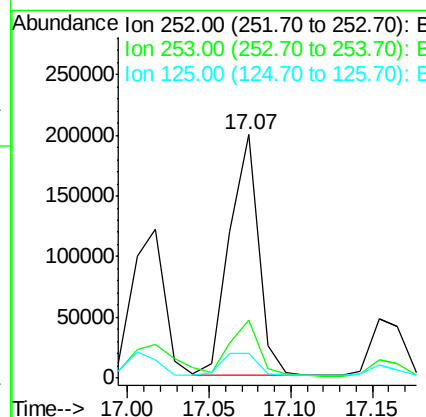
Manual Integrations
APPROVED

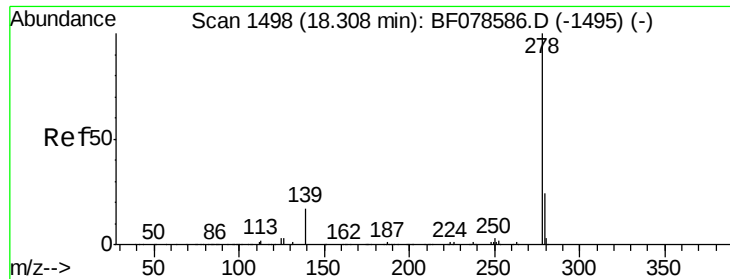
apatel
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#89
Benzo(a)pyrene
Concen: 30.29 ng
RT: 17.07 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.8	25.2
125	10.0	7.4	11.0





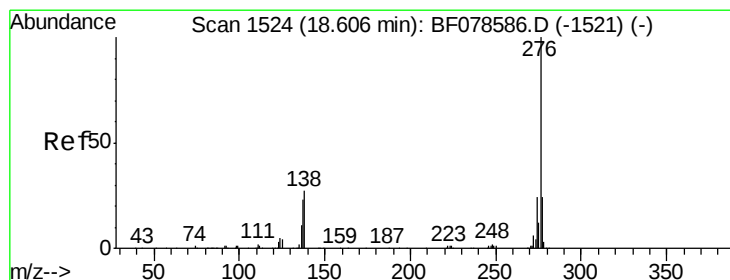
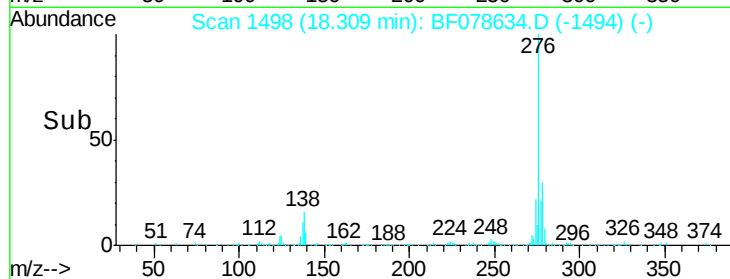
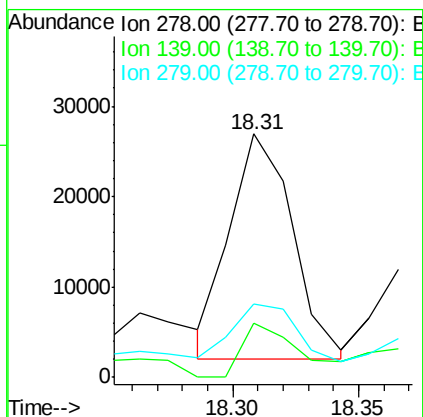
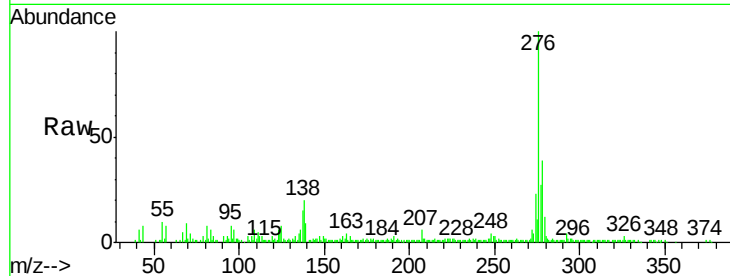
#90
Dibenzo(a,h)anthracene
Concen: 5.37 ng/mL
RT: 18.31 min Scan# 1498
Delta R.T. -0.06 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Instrument :
BNA_F
ClientSampleId :
LS-SB102

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.0	13.6	20.4
279	30.2	19.0	28.6

Manual Integrations
APPROVED

apatel
4/20/2015 3:57:33 PM



#91
Benzo(g,h,i)perylene
Concen: 23.57 ng/mL
RT: 18.62 min Scan# 1525
Delta R.T. -0.05 min
Lab File: BF078634.D
Acq: 18 Apr 2015 9:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.4
138	26.3	19.9	29.9

