

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078678.D
 Acq On : 21 Apr 2015 10:34
 Operator : TP/IZ
 Sample : G1854-02DL 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB11BDL

Manual Integrations
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Quant Time: Apr 21 13:09:12 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 16:32:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.86	152	7846	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	33108	20.00	ng	0.00
38) Acenaphthene-d10	11.20	164	16797	20.00	ng	-0.01
63) Phenanthrene-d10	13.94	188	32880	20.00	ng	0.00
75) Chrysene-d12	17.79	240	33651	20.00	ng	-0.01
86) Perylene-d12	19.54	264	33540	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.87	112	53196	111.79	ng	0.00
7) Phenol-d6	5.36	99	69012	115.72	ng	0.00
23) Nitrobenzene-d5	6.79	82	38171	69.88	ng	-0.01
41) 2,4,6-Tribromophenol	12.67	330	14952	107.33	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	57486	48.92	ng	-0.01
78) Terphenyl-d14	16.46	244	93433	62.74	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.06	128	104204	60.47	ng	99
37) 2-Methylnaphthalene	9.31	142	35617	30.44	ng	97
45) 1,1'-Biphenyl	10.19	154	10887	7.92	ng	95
49) Dimethylphthalate	10.83	163	5261	4.17	ng	# 97
51) Acenaphthene	11.26	154	35831	36.46	ng	98
54) Dibenzofuran	11.59	168	46394	30.91	ng	100
57) Fluorene	12.22	166	49649	40.80	ng	98
70) Phenanthrene	13.98	178	257667	135.48	ng	100
71) Anthracene	14.07	178	50679	27.04	ng	98
72) Carbazole	14.41	167	5853	3.33	ng	95
74) Fluoranthene	15.86	202	123345	61.49	ng	95
77) Pyrene	16.17	202	83921	39.73	ng	# 94
80) Benzo(a)anthracene	17.78	228	19038	9.51	ng	# 93
82) Chrysene	17.83	228	15423	8.20	ng	# 93
87) Benzo(b)fluoranthene	19.11	252	10504m	5.07	ng	
89) Benzo(a)pyrene	19.49	252	5394	2.98	ng	# 92

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

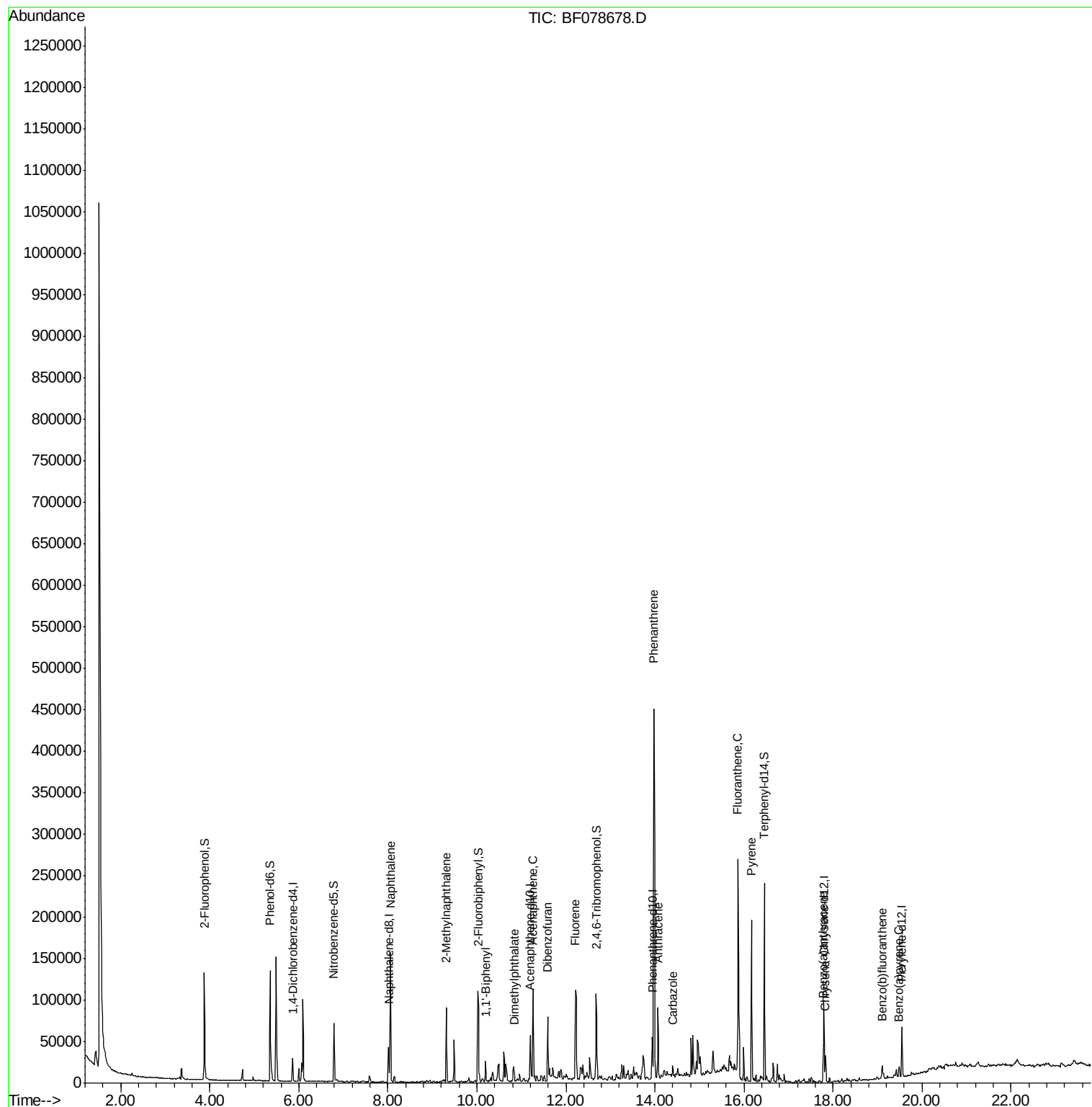
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
Data File : BF078678.D
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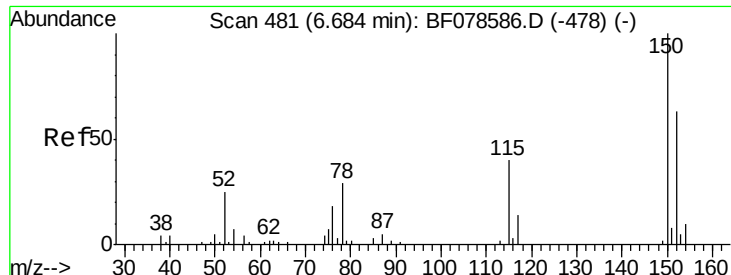
Instrument :
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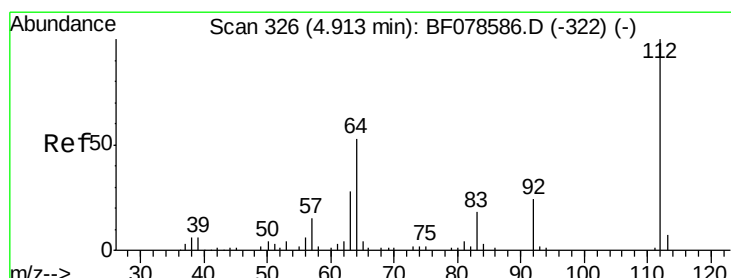
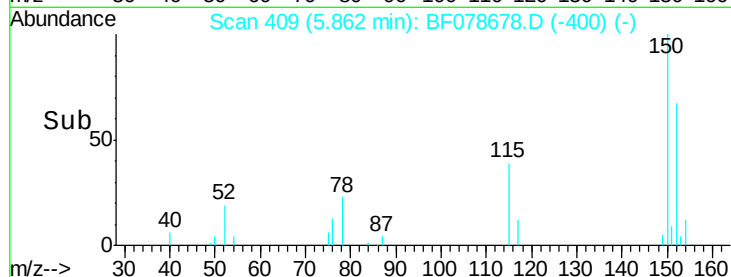
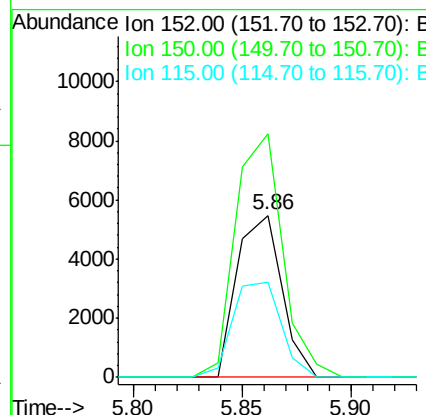
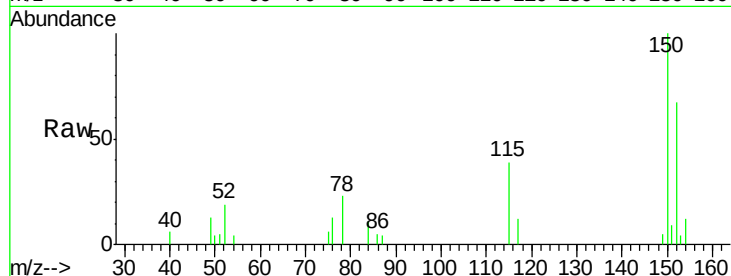
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.86 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Instrument :
 BNA_F
 ClientSampleID :
 LS-SB11BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	125.9	188.9
115	58.5	52.7	79.1

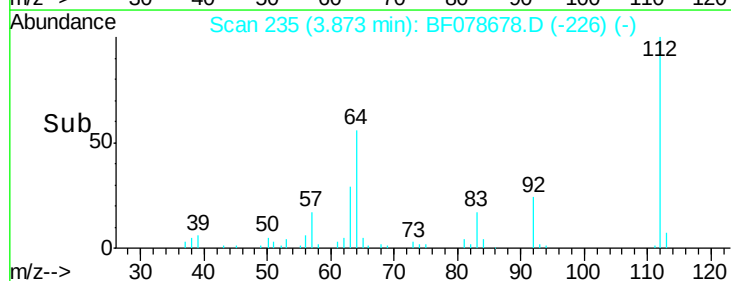
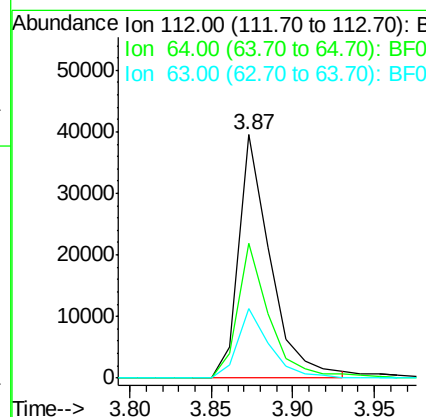
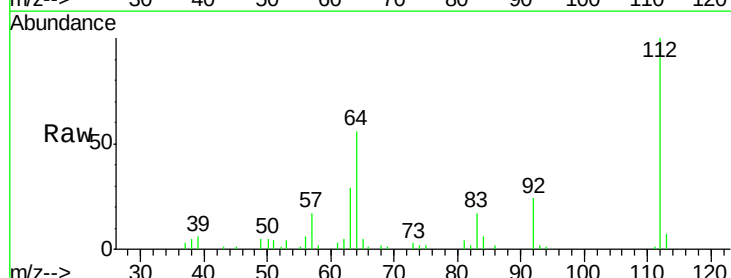
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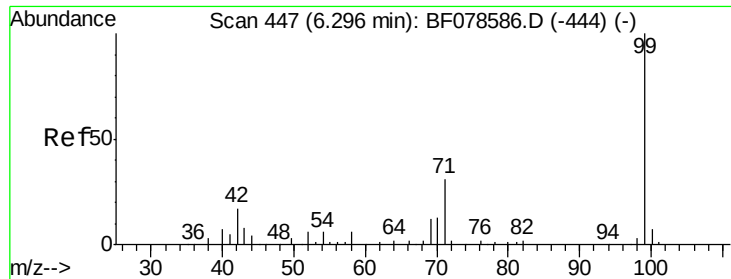
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#5
 2-Fluorophenol
 Concen: 111.79 ng
 RT: 3.87 min Scan# 235
 Delta R.T. 0.00 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	39.9	59.9
63	28.5	20.2	30.4





#7

Phenol-d6

Concen: 115.72 ng

RT: 5.36 min Scan# 365

Delta R.T. 0.00 min

Lab File: BF078678.D

Acq: 21 Apr 2015 10:34

Instrument :

BNA_F

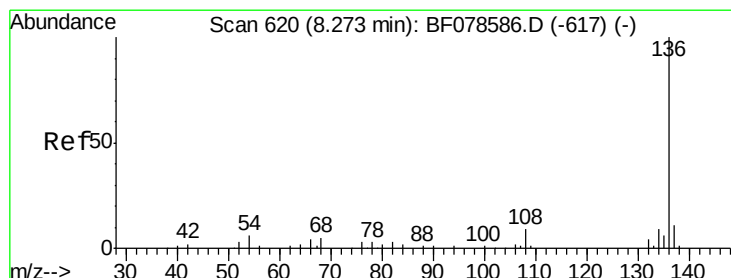
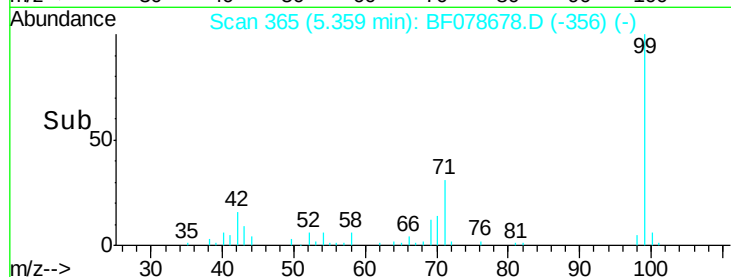
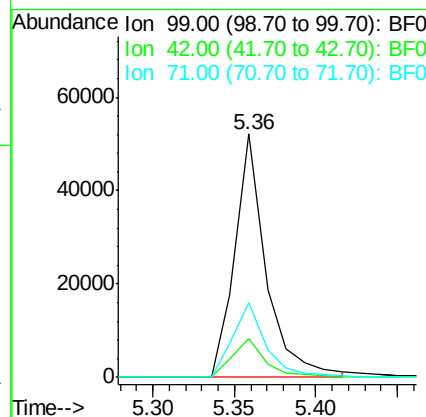
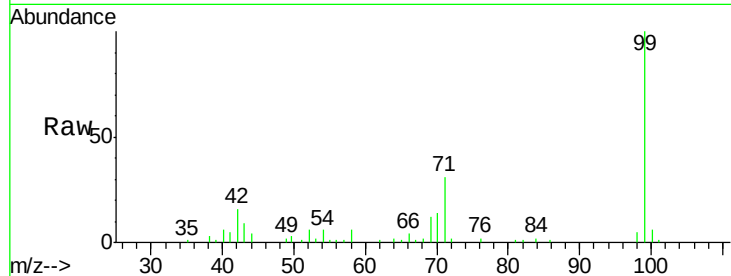
ClientSampleId :

LS-SB11BDL

Tot Ion:	99	Resp:	69012
Ion Ratio	Lower	Upper	
99	100		
42	15.7	14.8	22.2
71	30.7	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

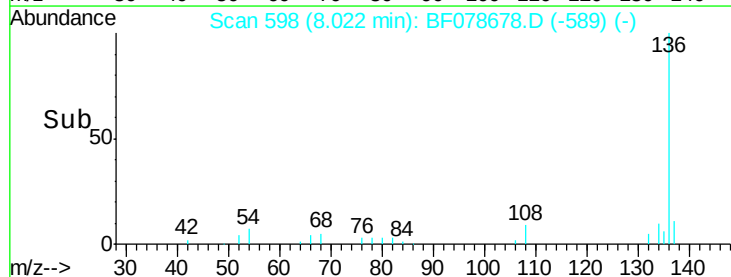
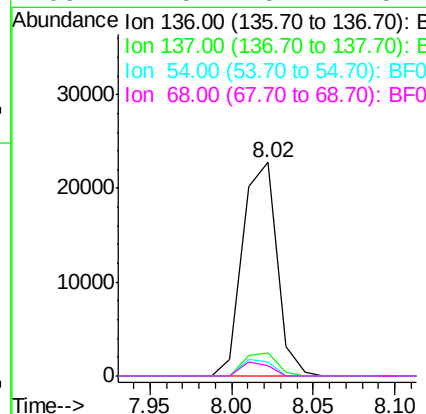
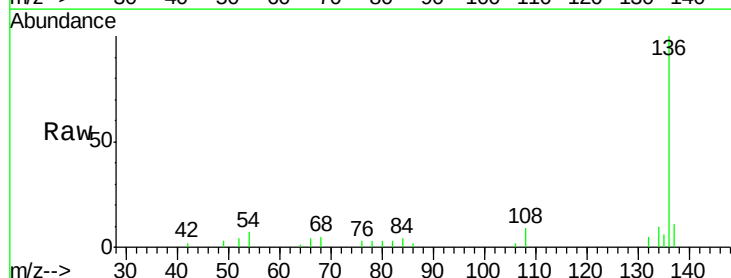
RT: 8.02 min Scan# 598

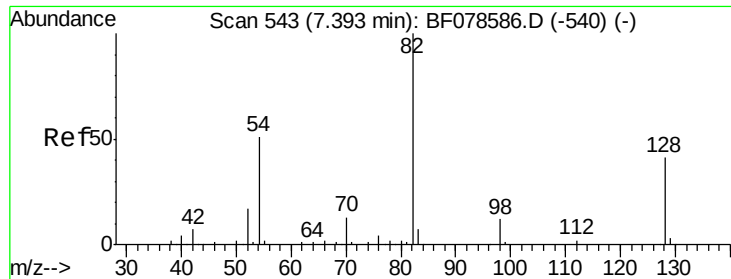
Delta R.T. 0.00 min

Lab File: BF078678.D

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Tgt Ion:	136	Resp:	33108
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	6.6	7.0	10.6#
68	4.5	5.4	8.2#





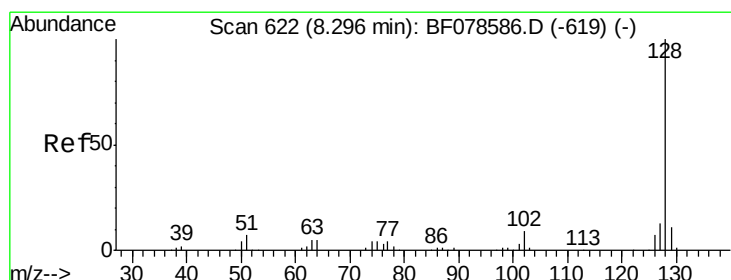
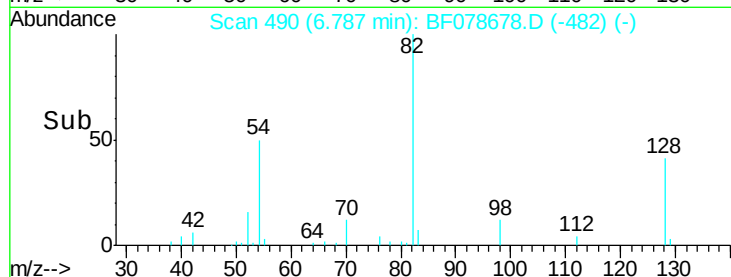
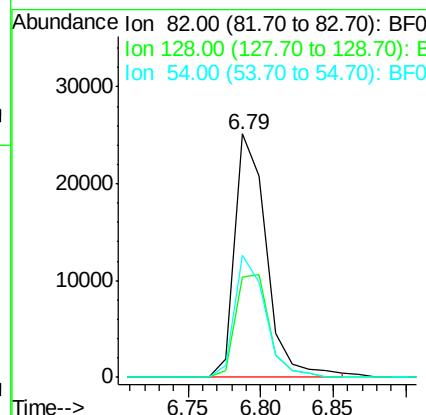
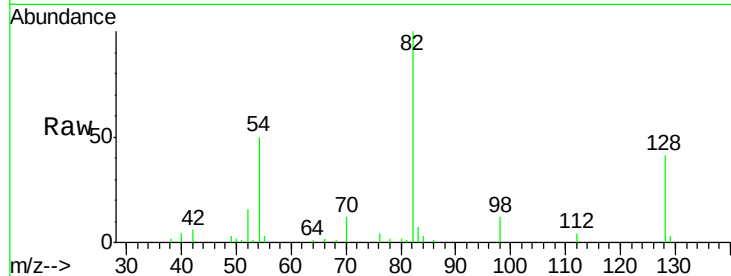
#23
 Nitrobenzene-d5
 Concen: 69.88 ng
 RT: 6.79 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Instrument :
 BNA_F
 ClientSampleID :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	41.1	31.8	47.8
54	50.2	41.5	62.3

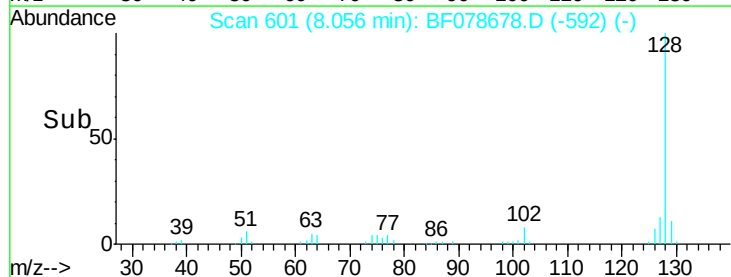
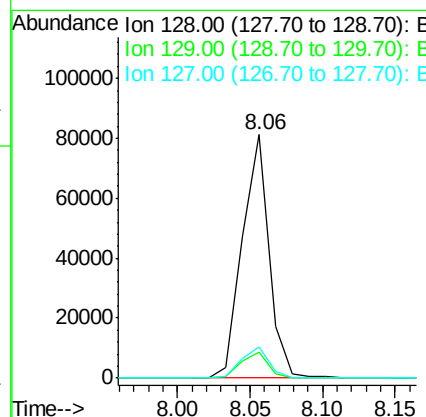
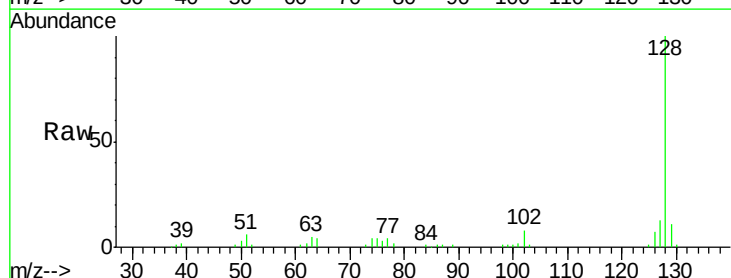
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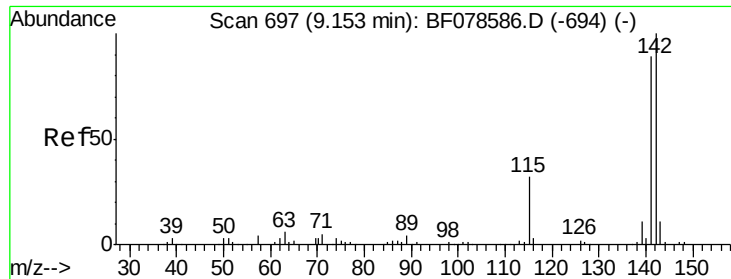
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#31
 Naphthalene
 Concen: 60.47 ng
 RT: 8.06 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	13.0	10.7	16.1





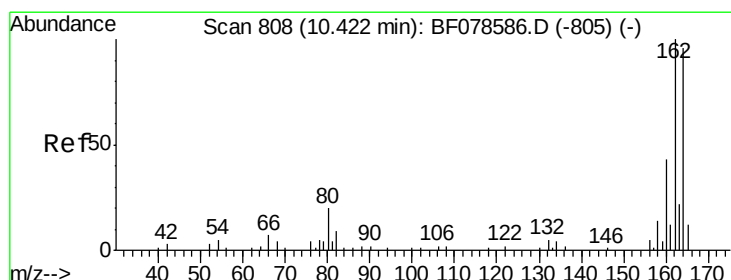
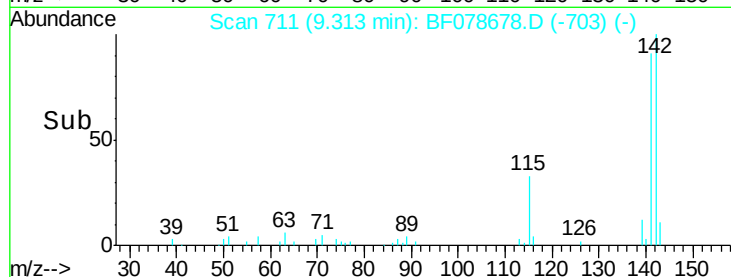
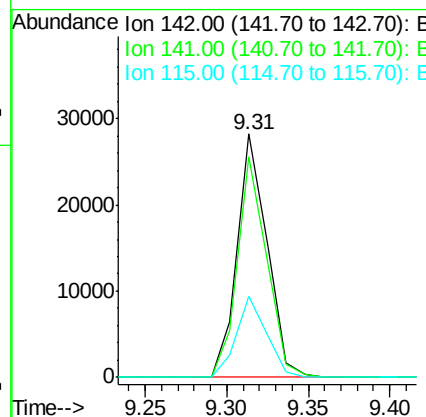
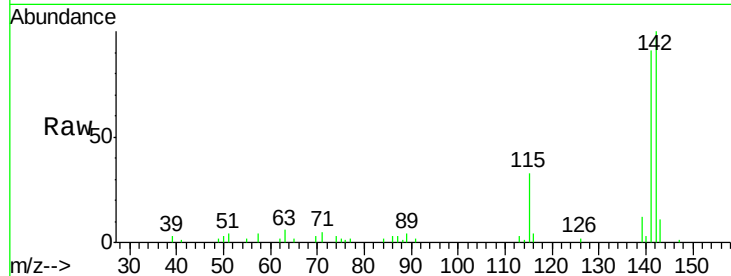
#37
2-Methylnaphthalene
Concen: 30.44 ng
RT: 9.31 min Scan# 711
Delta R.T. -0.01 min
Lab File: BF078678.D
Acq: 21 Apr 2015 10:34

Instrument :
BNA_F
ClientSampleId :
LS-SB11BDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.3	105.5
115	33.4	24.6	37.0

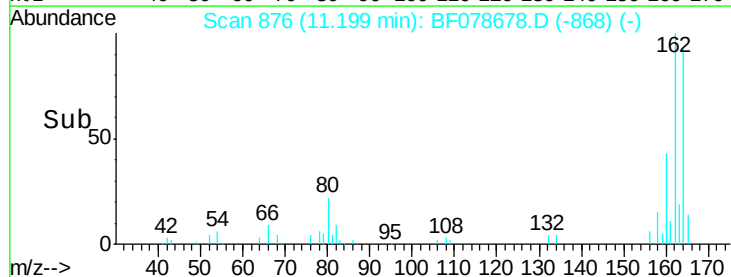
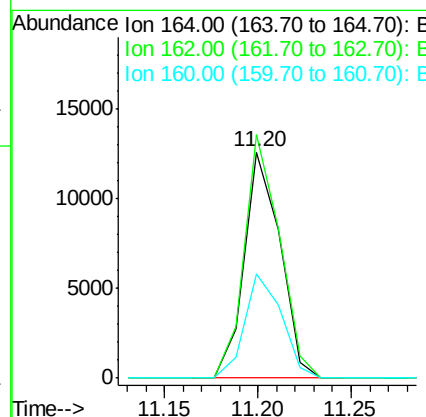
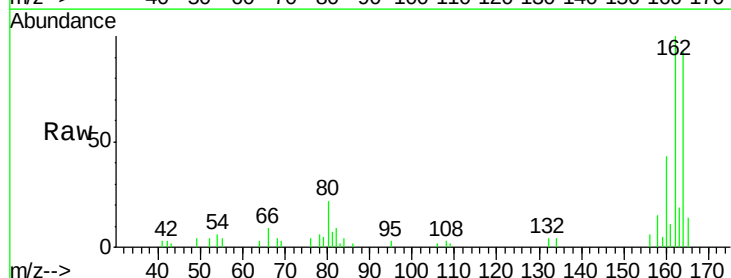
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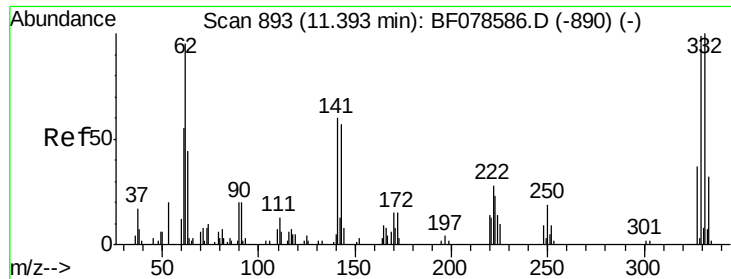
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF078678.D
Acq: 21 Apr 2015 10:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.6	82.2	123.2
160	46.0	34.7	52.1





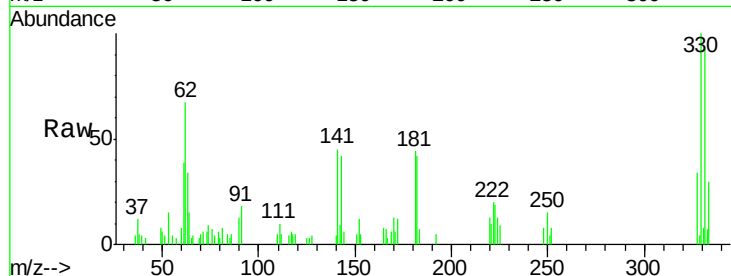
#41
 2,4,6-Tribromophenol
 Concen: 107.33 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Instrument :
 BNA_F
 ClientSampleID :
 LS-SB11BDL

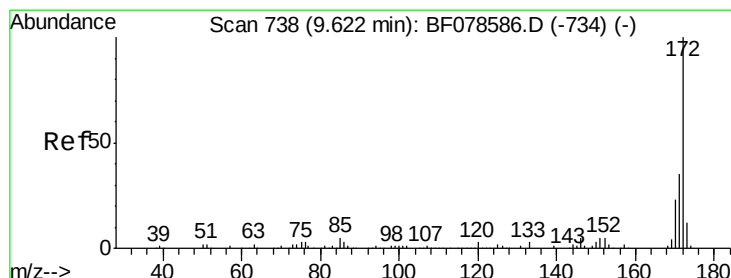
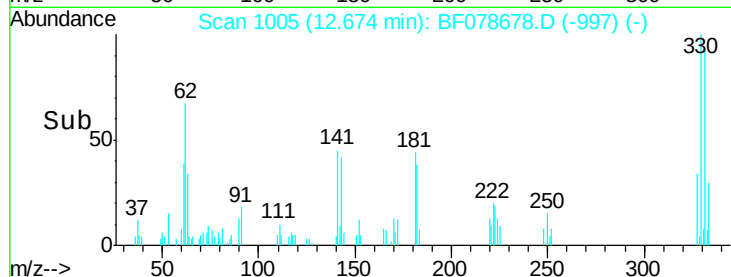
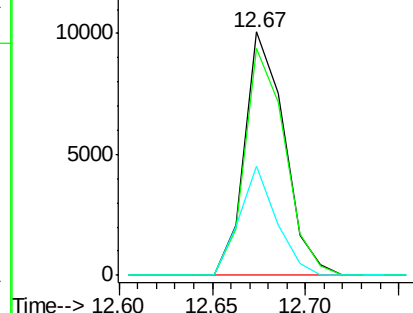
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	78.6	117.8
141	42.0	31.2	46.8

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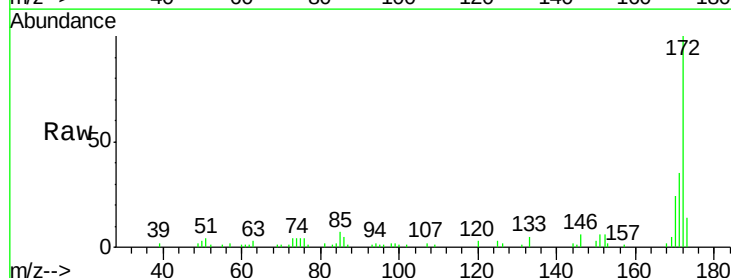


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

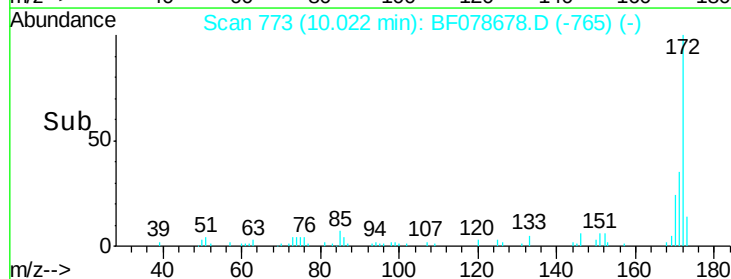
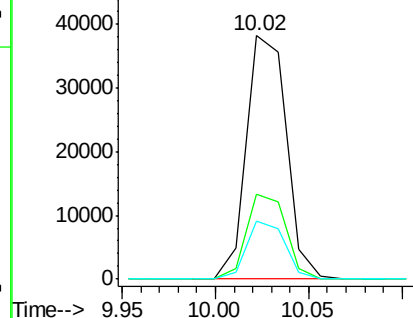


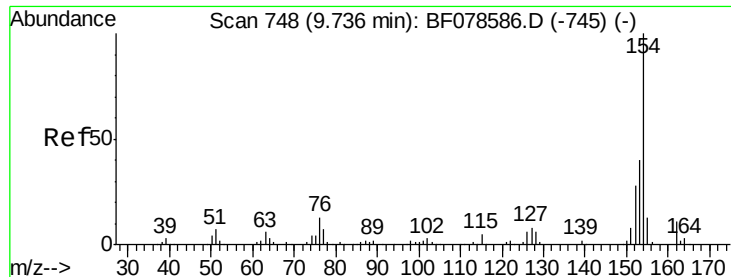
#44
 2-Fluorobiphenyl
 Concen: 48.92 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	23.9	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: 7.92 ng

RT: 10.19 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF078678.D

Acq: 21 Apr 2015 10:34

Instrument :

BNA_F

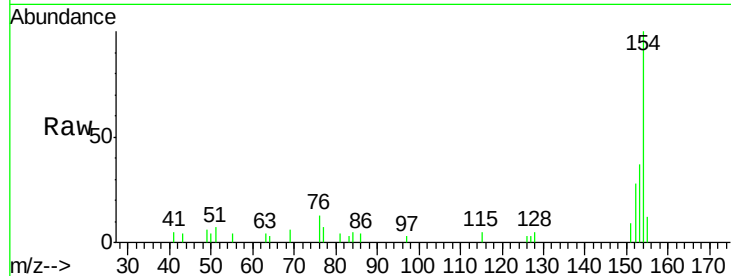
ClientSampleId :

LS-SB11BDL

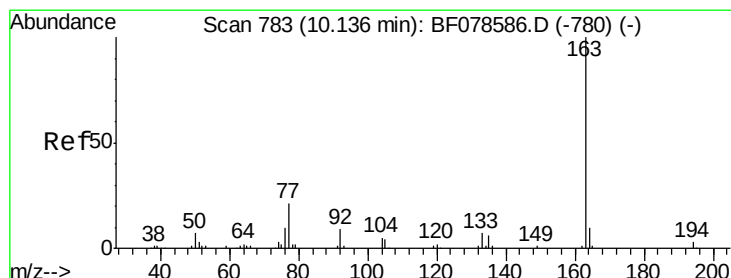
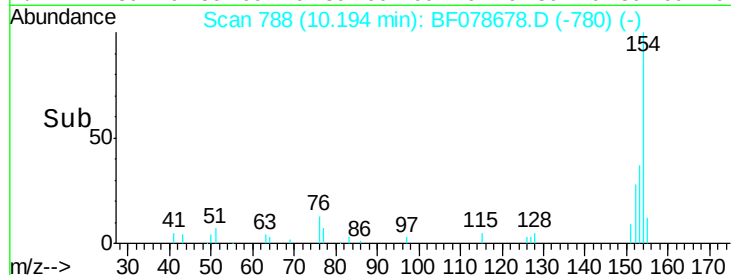
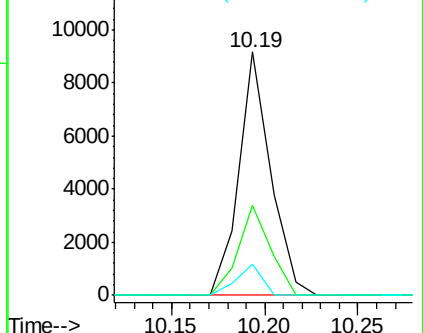
Tot Ion:	154	Resp:	10887
Ion Ratio	Lower	Upper	
154	100		
153	37.0	20.0	60.0
76	12.7	0.0	30.6

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 4.17 ng

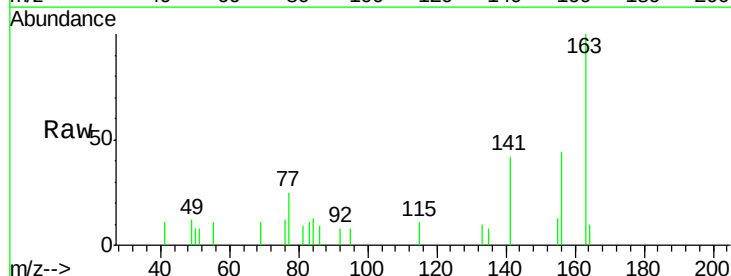
RT: 10.83 min Scan# 844

Delta R.T. -0.01 min

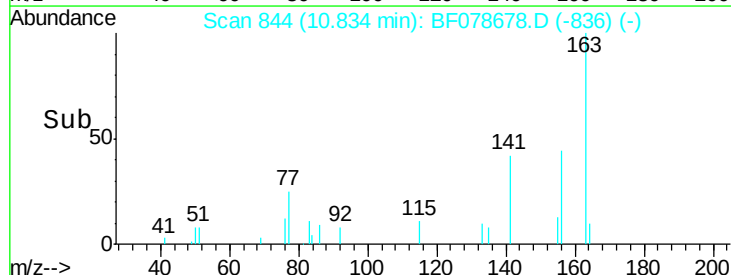
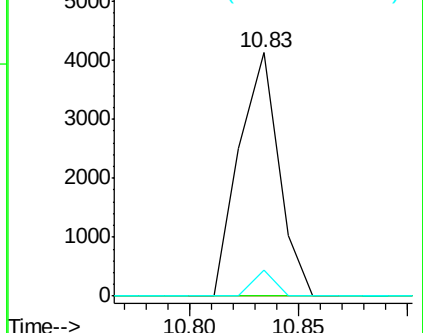
Lab File: BF078678.D

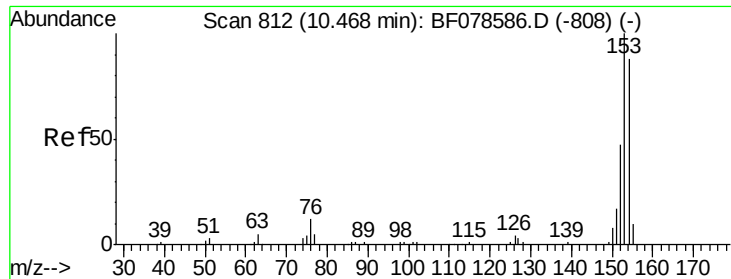
Acq: 21 Apr 2015 10:34

Tgt Ion:	163	Resp:	5261
Ion Ratio	Lower	Upper	
163	100		
194	0.0	2.3	3.5#
164	10.4	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





#51

Acenaphthene

Concen: 36.46 ng

RT: 11.26 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF078678.D

Acq: 21 Apr 2015 10:34

Instrument :

BNA_F

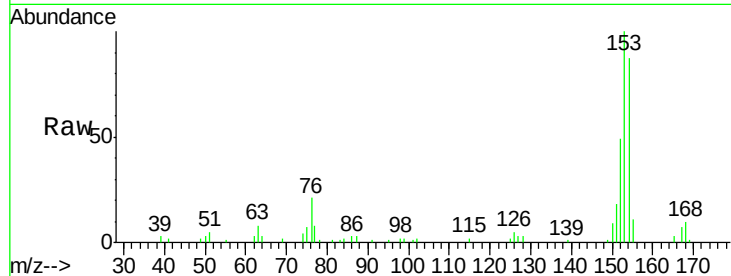
ClientSampleId :

LS-SB11BDL

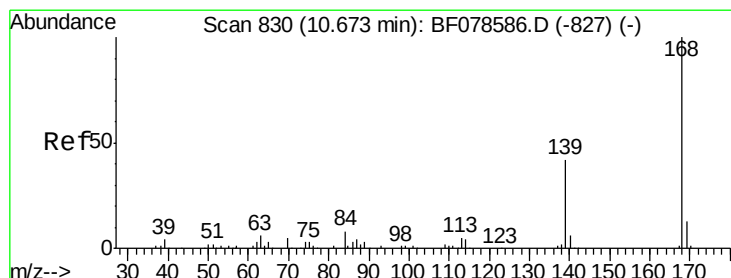
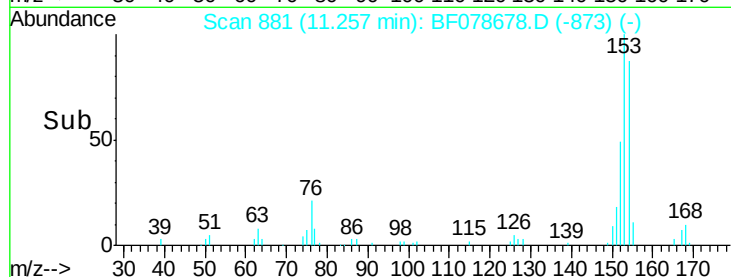
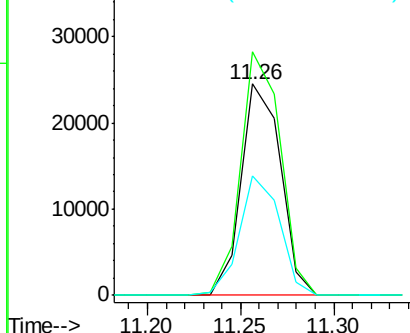
Tot Ion:	154	Resp:	35831
Ion Ratio	Lower	Upper	
154	100		
153	115.1	91.4	137.2
152	56.7	43.0	64.6

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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: 30.91 ng

RT: 11.59 min Scan# 910

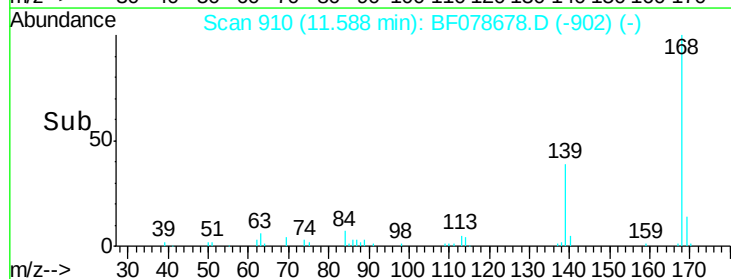
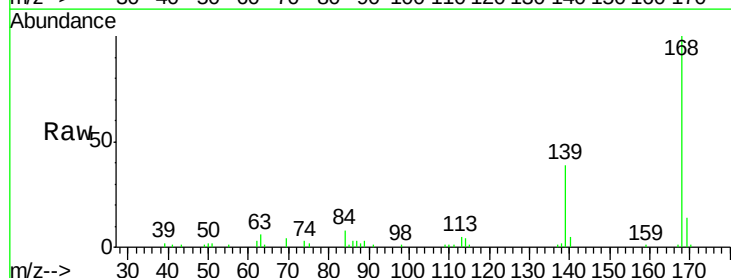
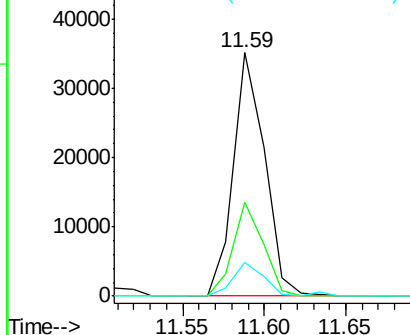
Delta R.T. -0.01 min

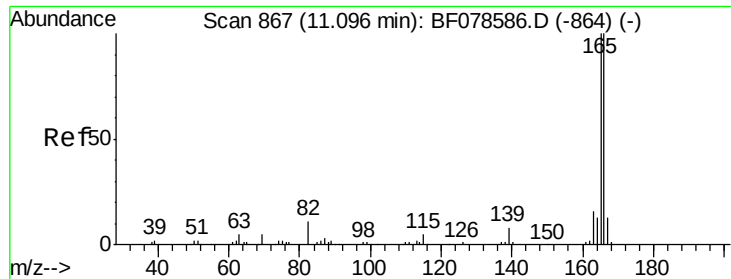
Lab File: BF078678.D

Acq: 21 Apr 2015 10:34

Tgt Ion:	168	Resp:	46394
Ion Ratio	Lower	Upper	
168	100		
139	38.7	31.0	46.4
169	14.0	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





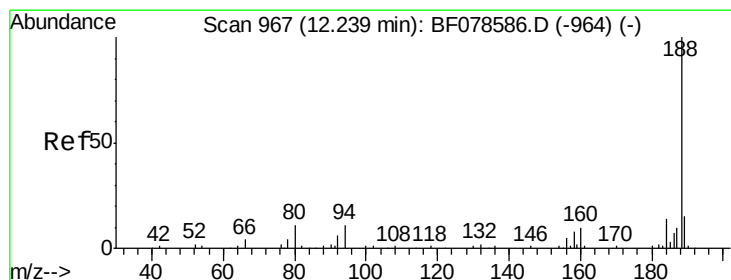
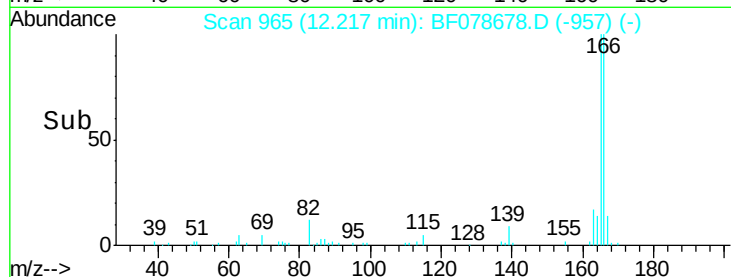
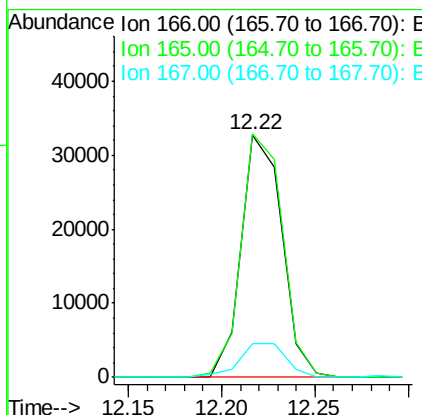
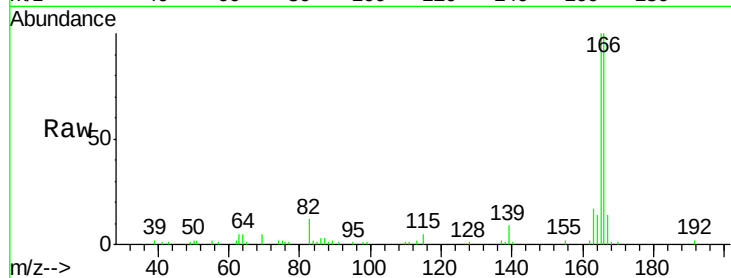
#57
 Fluorene
 Concen: 40.80 ng
 RT: 12.22 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB11BDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.4	78.9	118.3
167	13.8	10.7	16.1

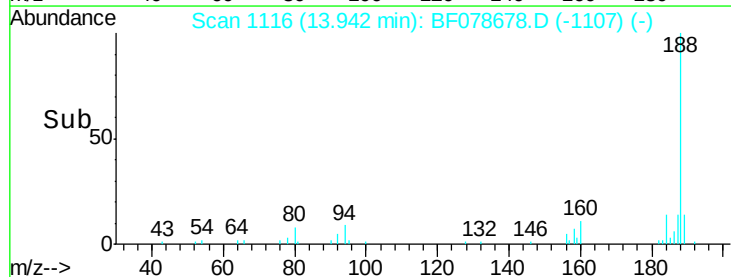
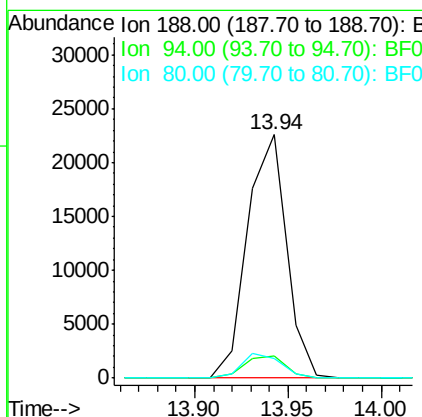
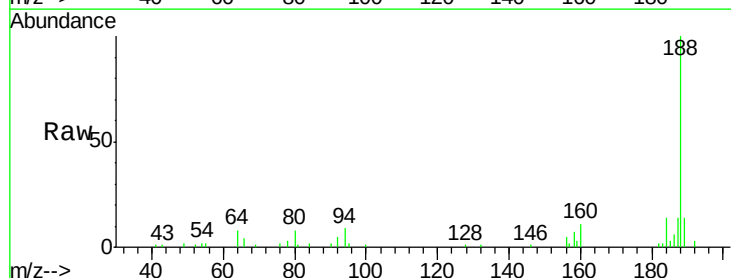
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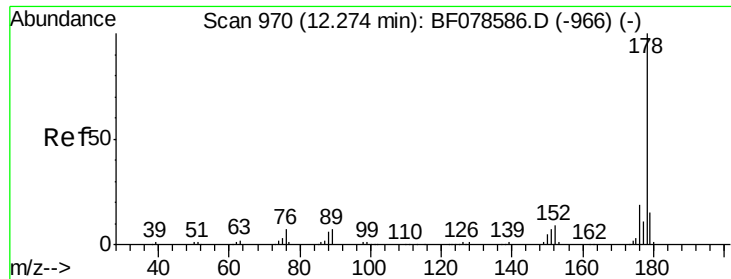
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. 0.00 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.0	13.4
80	8.1	9.5	14.3#





#70

Phenanthrene

Concen: 135.48 ng

RT: 13.98 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BF078678.D

Acq: 21 Apr 2015 10:34

Instrument :

BNA_F

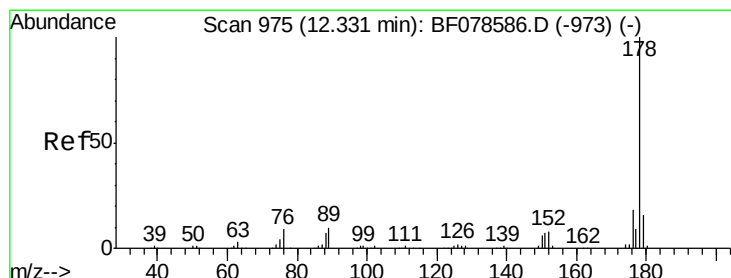
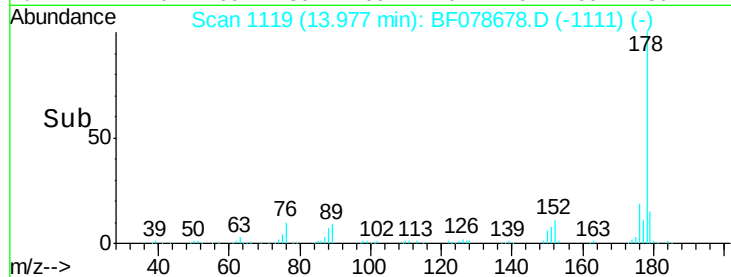
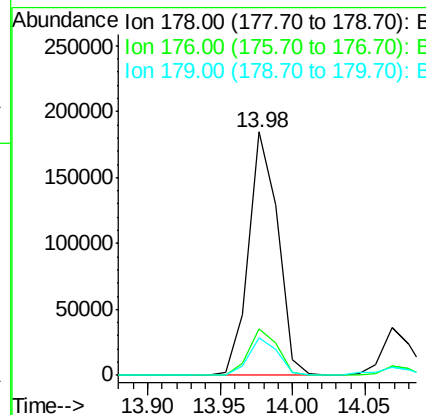
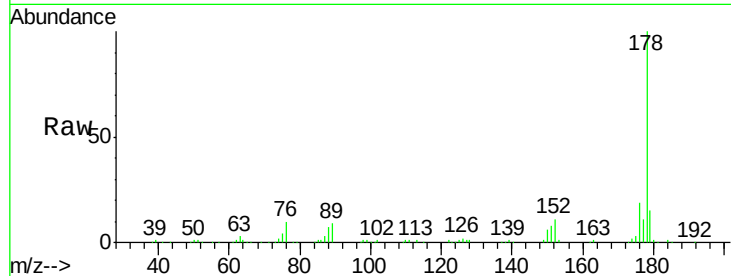
ClientSampleId :

LS-SB11BDL

Tot Ion:	178	Resp:	257667
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.0
179	15.2	12.2	18.2

Manual Integrations
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#71

Anthracene

Concen: 27.04 ng

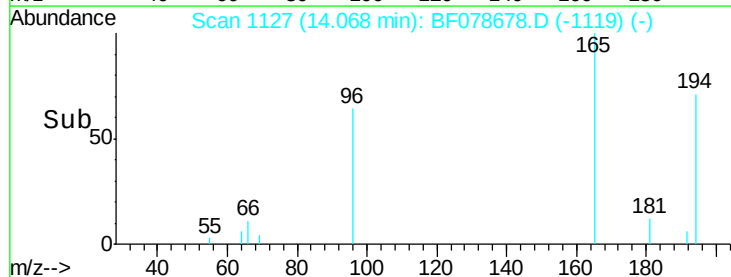
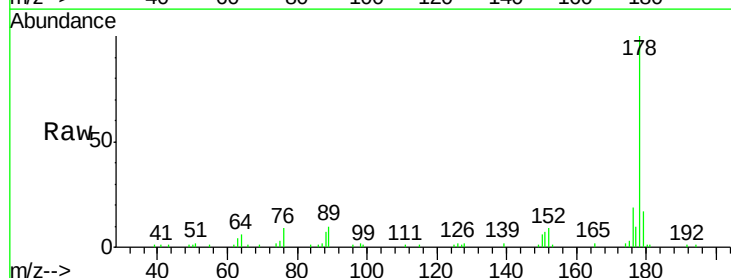
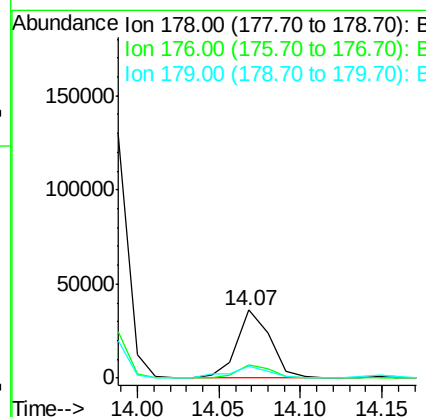
RT: 14.07 min Scan# 1127

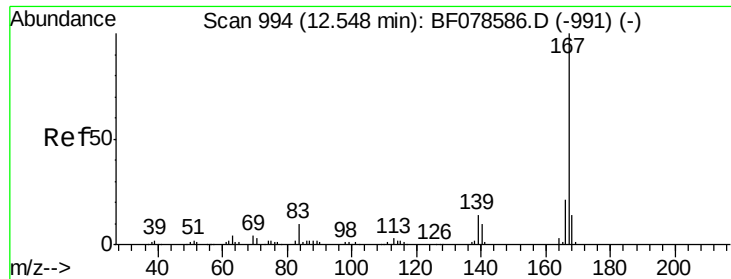
Delta R.T. -0.01 min

Lab File: BF078678.D

Acq: 21 Apr 2015 10:34

Tgt Ion:	178	Resp:	50679
Ion Ratio	Lower	Upper	
178	100		
176	19.4	14.8	22.2
179	16.7	12.4	18.6





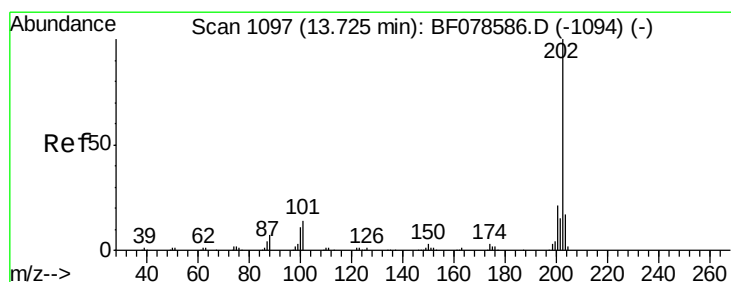
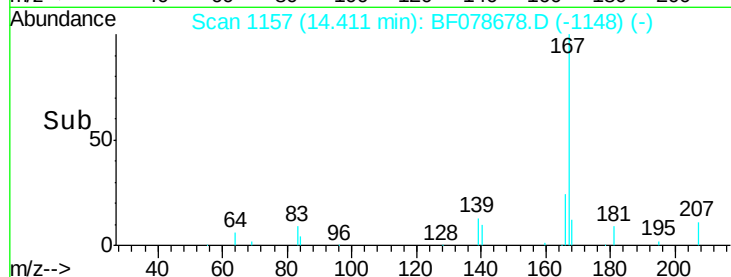
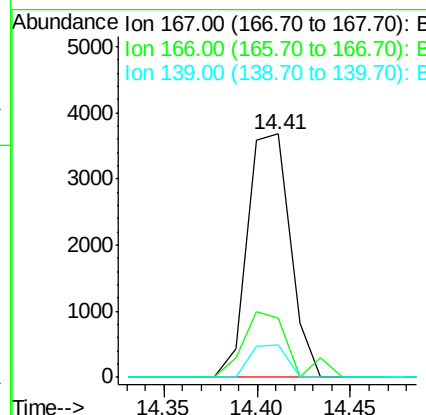
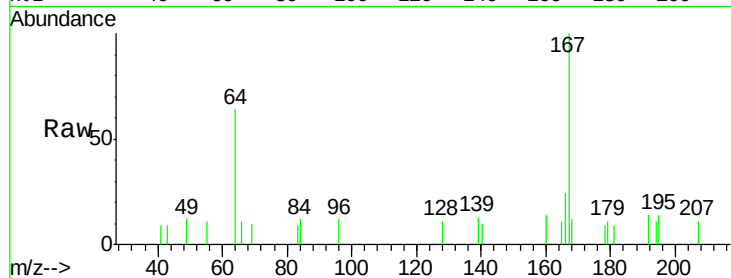
#72
 Carbazole
 Concen: 3.33 ng
 RT: 14.41 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Instrument :
 BNA_F
 ClientSampleID :
 LS-SB11BDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.2	16.8	25.2
139	13.5	10.0	15.0

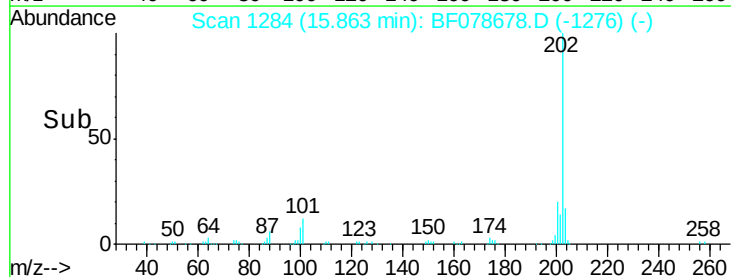
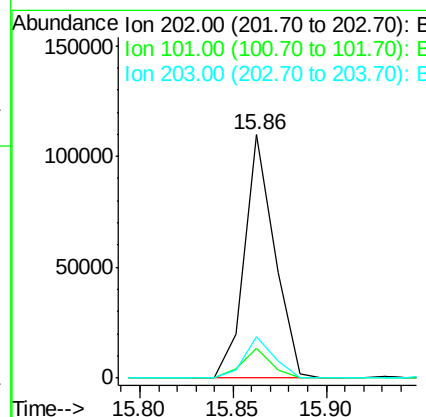
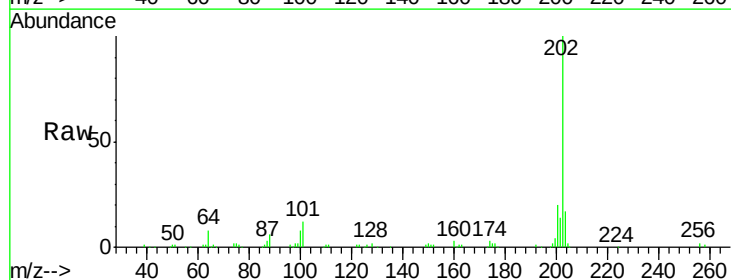
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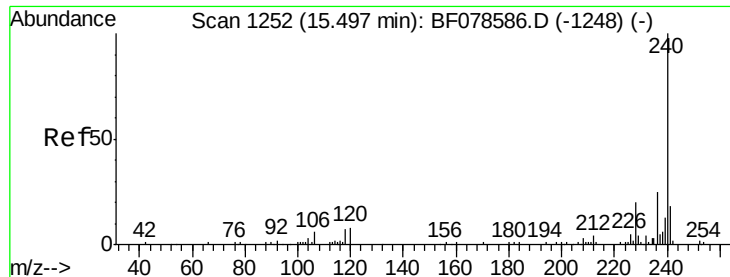
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#74
 Fluoranthene
 Concen: 61.49 ng
 RT: 15.86 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	35.2
203	17.2	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.79 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF078678.D

Acq: 21 Apr 2015 10:34

Instrument :

BNA_F

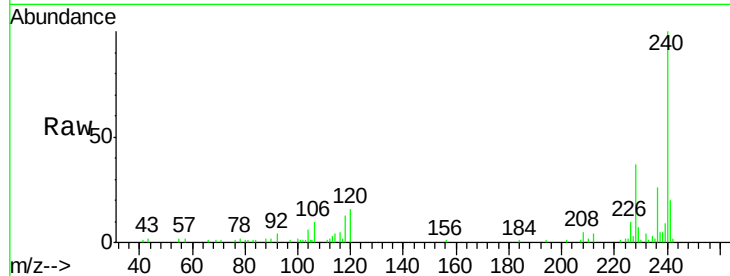
ClientSampleId :

LS-SB11BDL

Tot Ion:	240	Resp:	33651
Ion Ratio	Lower	Upper	
240	100		
120	15.6	7.1	10.7#
236	26.5	21.4	32.2

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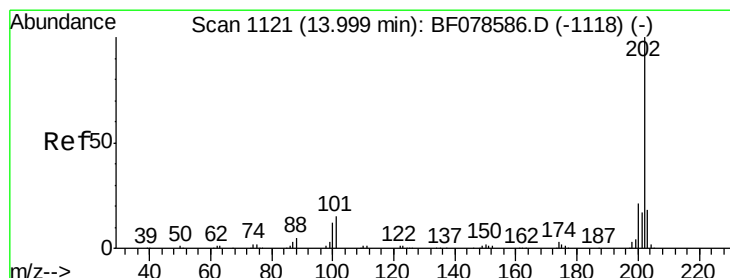
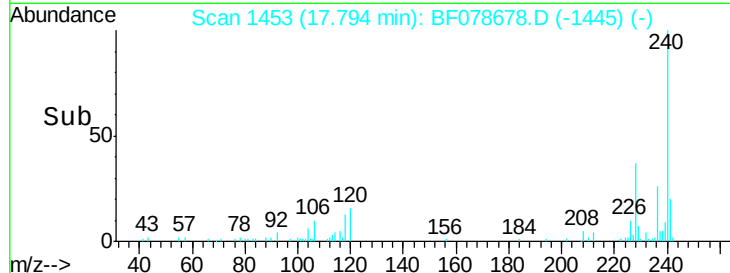
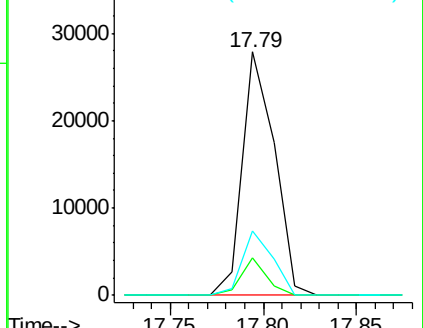
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 39.73 ng

RT: 16.17 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF078678.D

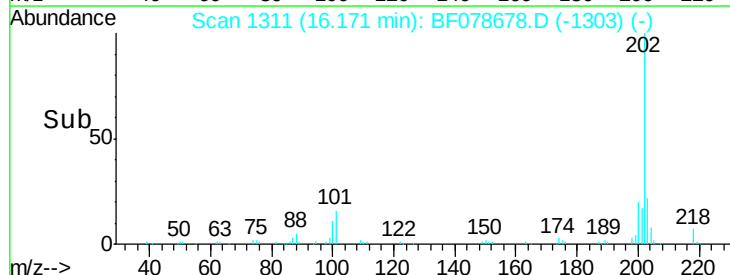
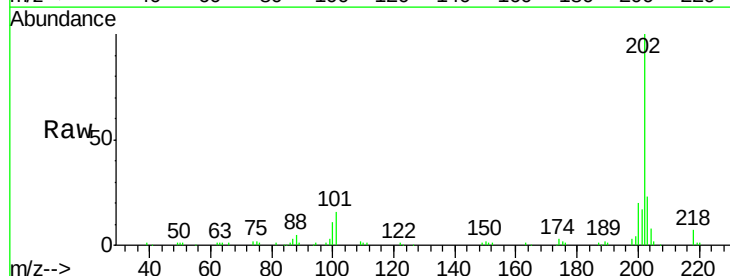
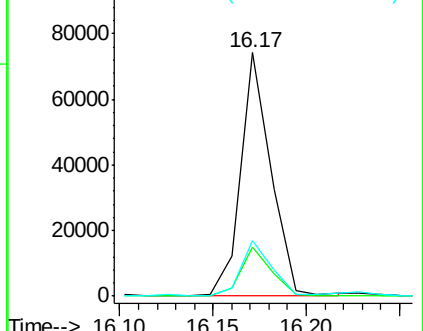
Acq: 21 Apr 2015 10:34

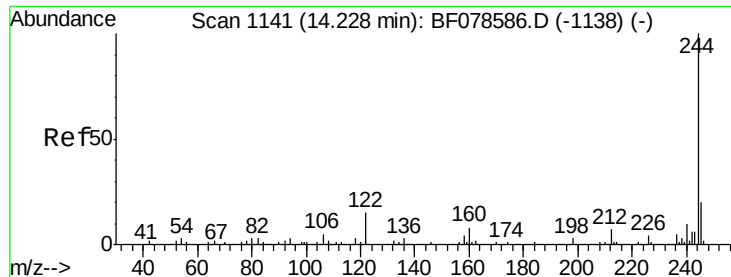
Tgt Ion:	202	Resp:	83921
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.3	24.5
203	22.8	13.8	20.6#

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





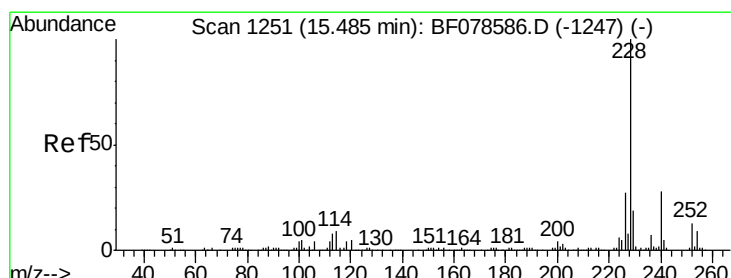
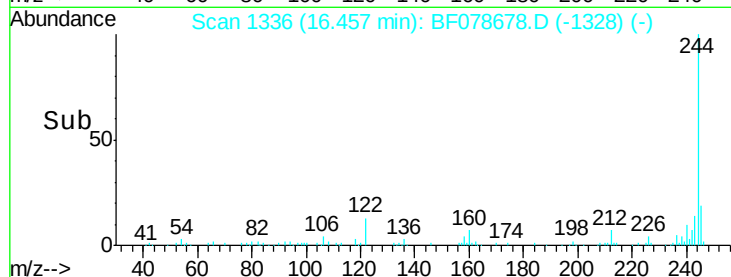
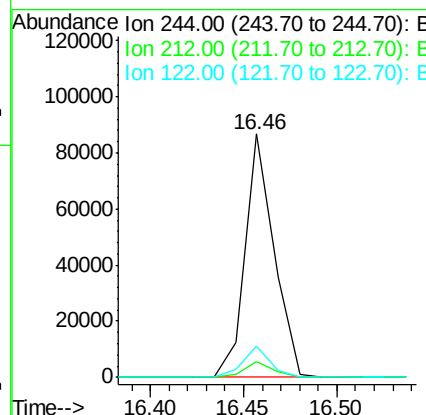
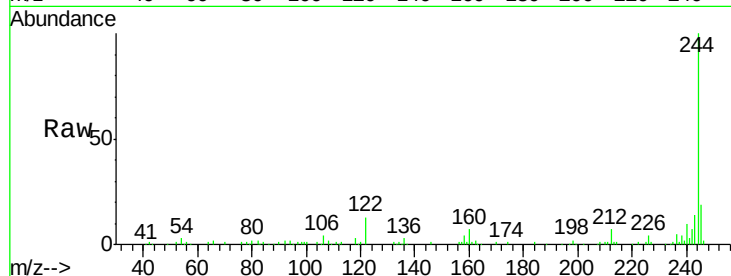
#78
 Terphenyl-d14
 Concen: 62.74 ng
 RT: 16.46 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB11BDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.0	7.4
122	12.6	7.1	10.7

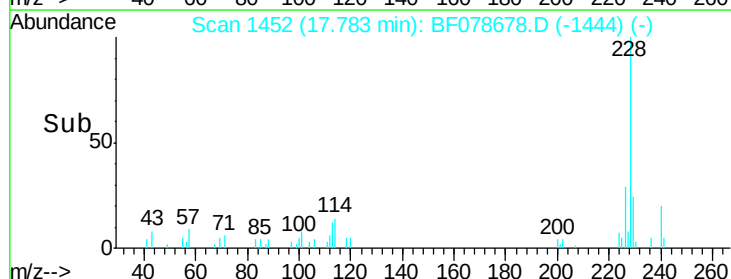
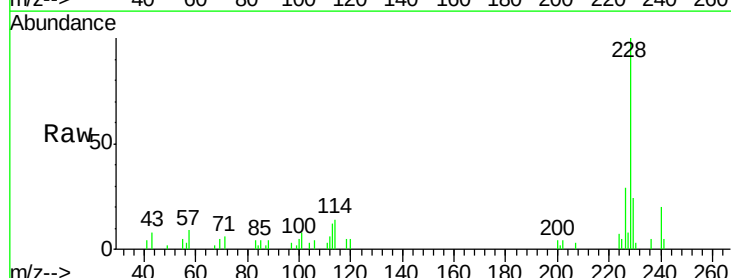
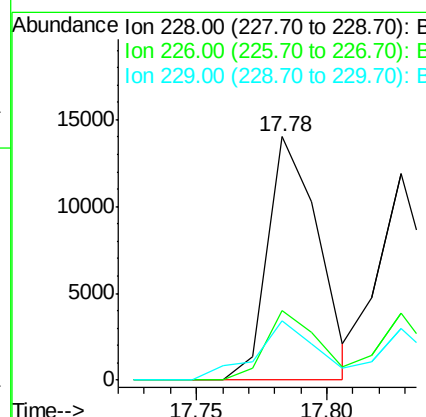
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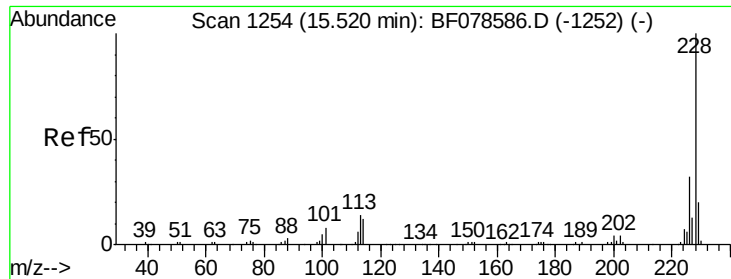
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#80
 Benzo(a)anthracene
 Concen: 9.51 ng
 RT: 17.78 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF078678.D
 Acq: 21 Apr 2015 10:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.3	31.9
229	24.3	15.4	23.2





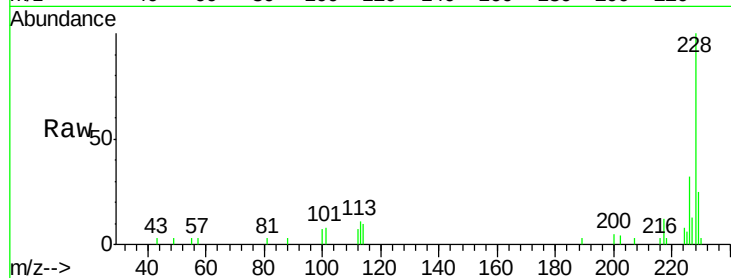
#82
Chrysene
Concen: 8.20 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF078678.D
Acq: 21 Apr 2015 10:34

Instrument :
BNA_F
ClientSampled :
LS-SB11BDL

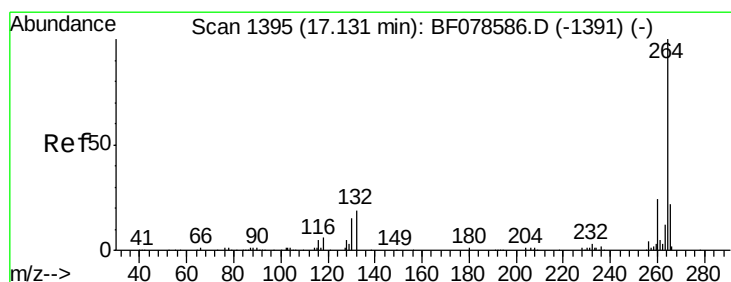
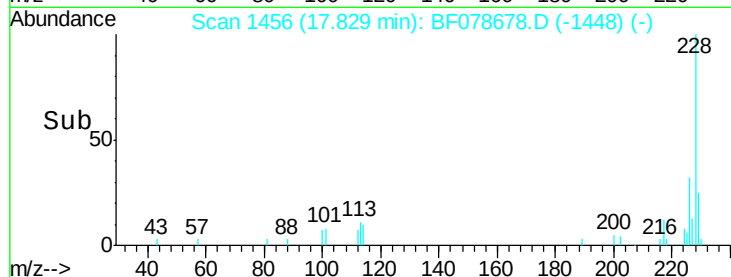
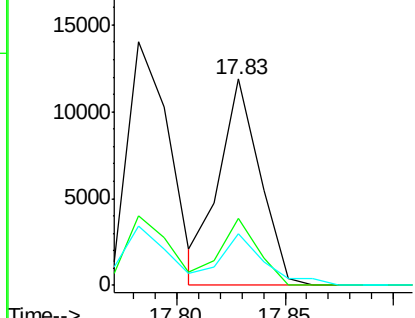
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.2	36.4
229	25.3	15.8	23.8

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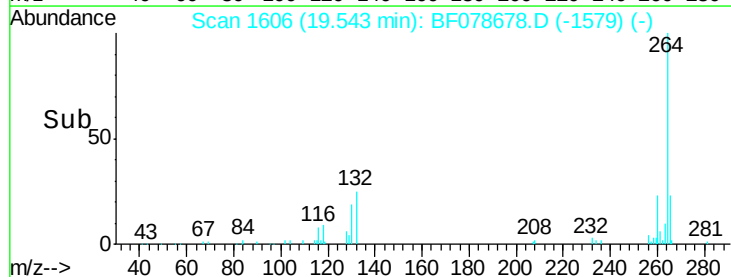
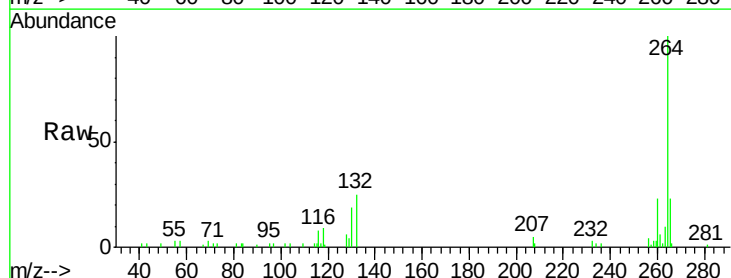
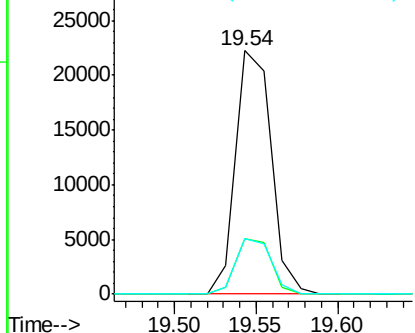
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

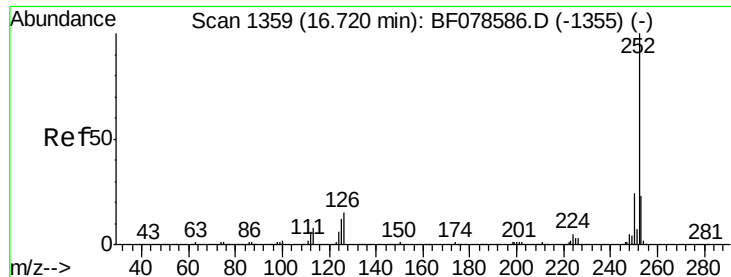


#86
Perylene-d12
Concen: 20.00 ng
RT: 19.54 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BF078678.D
Acq: 21 Apr 2015 10:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	22.6	17.0	25.6

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.07 ng

RT: 19.11 min Scan# 1568

Delta R.T. 0.01 min

Lab File: BF078678.D

Acq: 21 Apr 2015 10:34

Instrument :

BNA_F

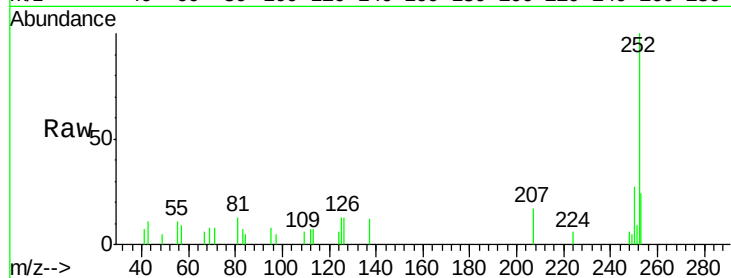
ClientSampleId :

LS-SB11BDL

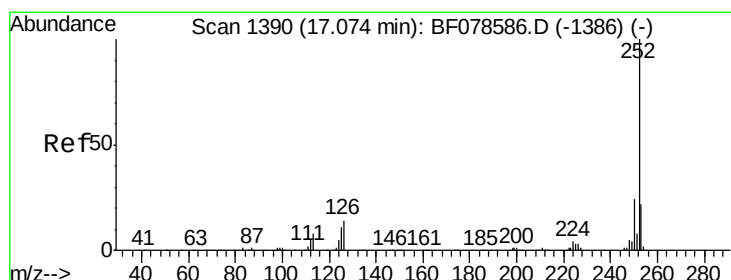
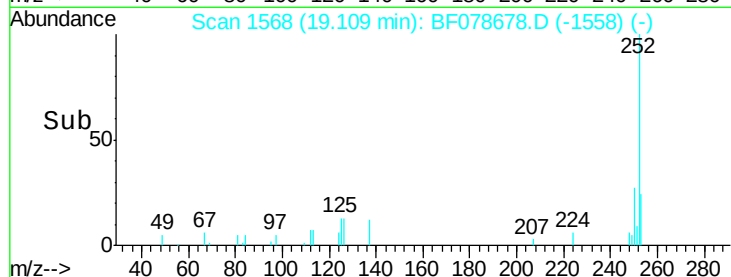
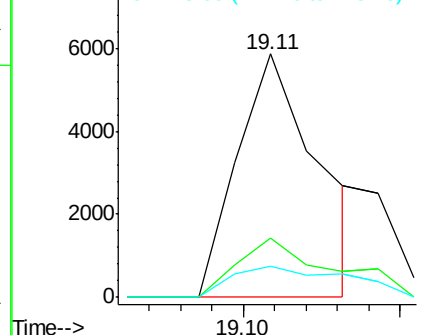
Tot Ion:	252	Resp:	10504
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.2	25.8
125	12.7	7.0	10.4#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.98 ng

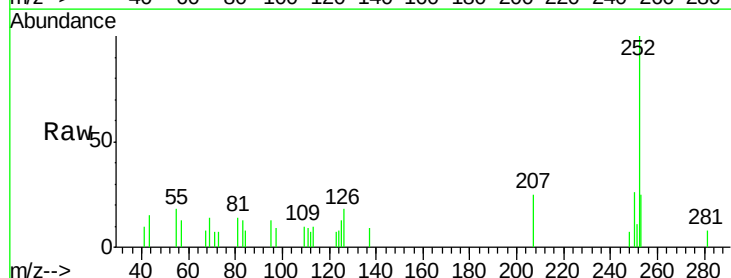
RT: 19.49 min Scan# 1601

Delta R.T. 0.02 min

Lab File: BF078678.D

Acq: 21 Apr 2015 10:34

Tgt Ion:	252	Resp:	5394
Ion Ratio	Lower	Upper	
252	100		
253	24.6	16.8	25.2
125	12.9	7.4	11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

