

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
 Data File : BF078638.D
 Acq On : 18 Apr 2015 11:53
 Operator : TP/IZ
 Sample : G1854-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB11B

Manual Integrations
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Quant Time: Apr 20 13:37:14 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	36999	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	161649	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	90515	20.00	ng	0.00
63) Phenanthrene-d10	12.23	188	182149	20.00	ng	0.01
75) Chrysene-d12	15.47	240	207687	20.00	ng	0.01
86) Perylene-d12	17.12	264	213357	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	240816	107.31	ng	0.00
7) Phenol-d6	6.28	99	310605	110.45	ng	0.00
23) Nitrobenzene-d5	7.38	82	188498	70.68	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	84437	112.48	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	274757	43.39	ng	0.00
78) Terphenyl-d14	14.22	244	534411	58.14	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.28	128	500448	59.48	ng	100
37) 2-Methylnaphthalene	9.14	142	183311	32.09	ng	99
45) 1,1'-Biphenyl	9.72	154	54887	7.41	ng	99
49) Dimethylphthalate	10.12	163	28163	4.14	ng	# 98
51) Acenaphthene	10.45	154	182851	34.53	ng	100
54) Dibenzofuran	10.66	168	241637	29.87	ng	98
57) Fluorene	11.09	166	268343	40.92	ng	99
70) Phenanthrene	12.26	178	1119494	106.25	ng	97
71) Anthracene	12.32	178	266343	25.65	ng	99
72) Carbazole	12.54	167	35713	3.67	ng	94
74) Fluoranthene	13.73	202	674044	60.66	ng	94
77) Pyrene	13.99	202	459401	35.24	ng	# 94
80) Benzo(a)anthracene	15.46	228	119795m	9.69	ng	
82) Chrysene	15.50	228	97874m	8.43	ng	
87) Benzo(b)fluoranthene	16.71	252	61284m	4.65	ng	
89) Benzo(a)pyrene	17.06	252	33389	2.90	ng	# 93

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

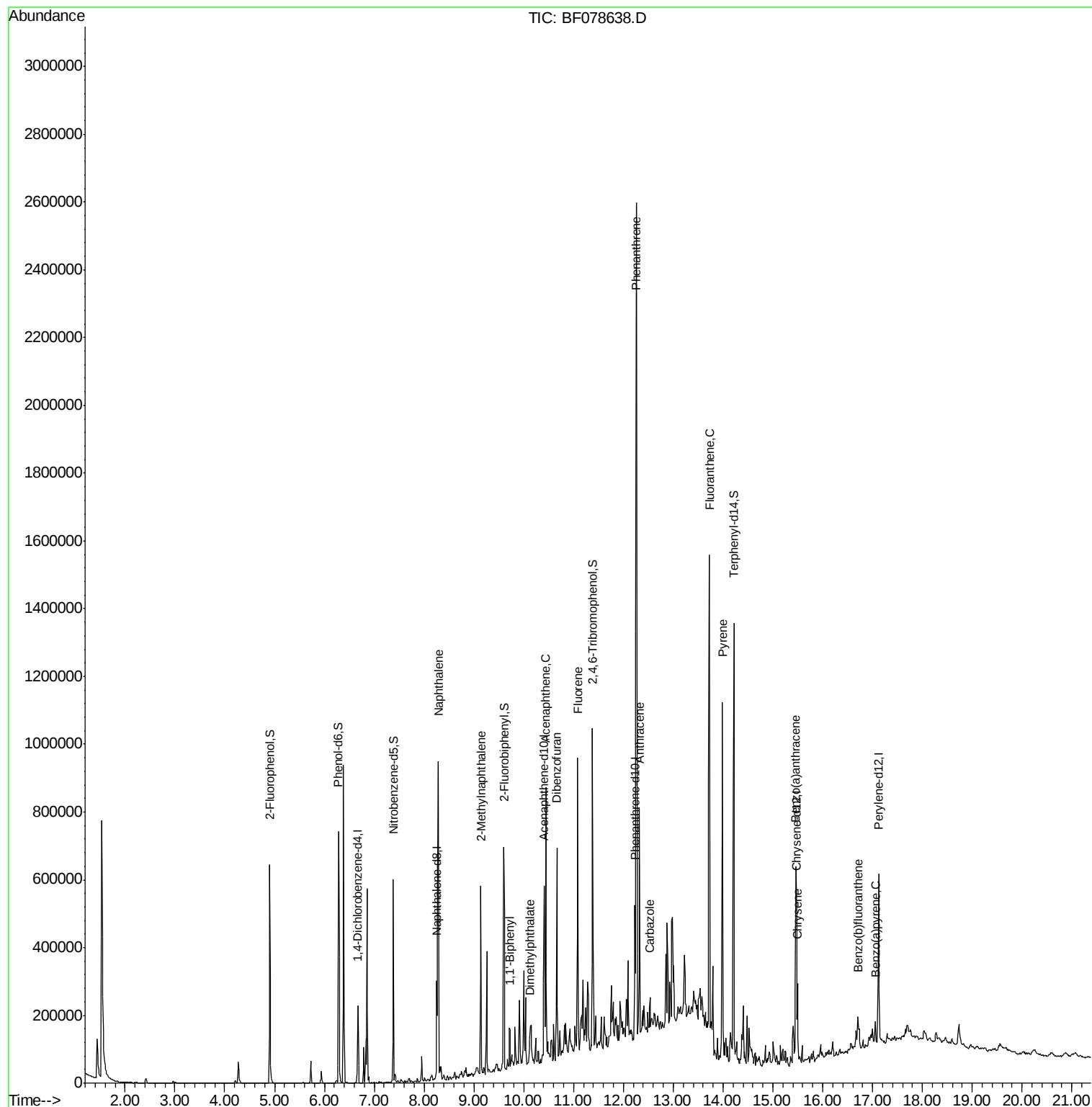
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078638.D
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ALS Vial : 35 Sample Multiplier: 1

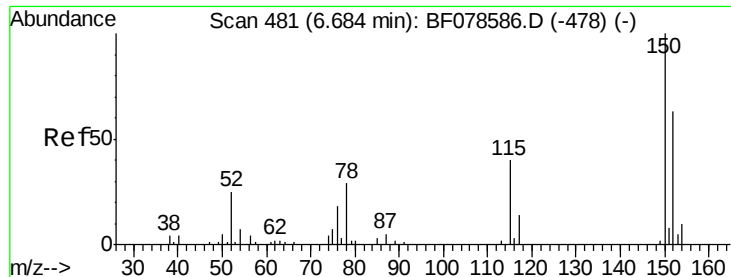
Instrument :
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Quant Time: Apr 20 13:37:14 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

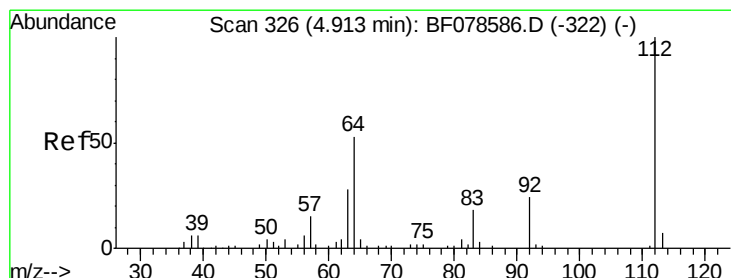
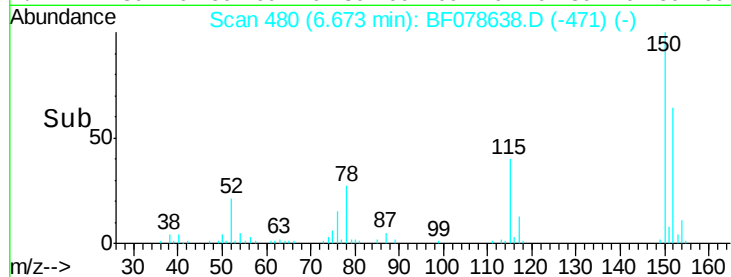
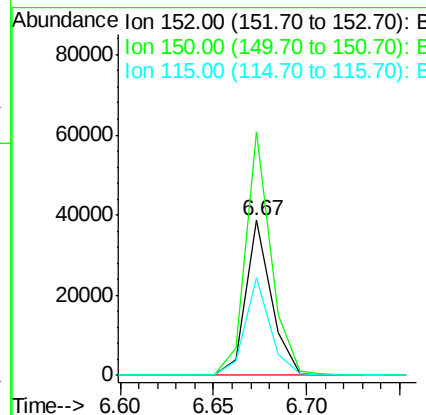
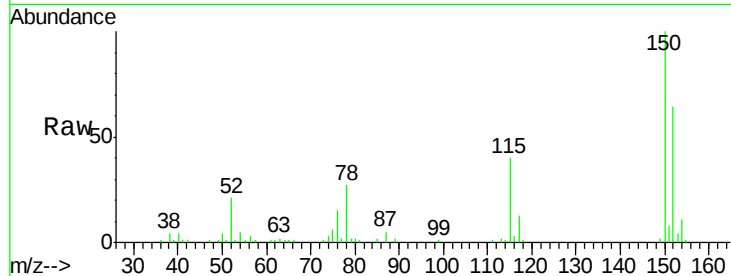
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF078638.D
Acq: 18 Apr 2015 11:53

Instrument :
BNA_F
ClientSampleId :
LS-SB11B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.9	188.9
115	63.2	52.7	79.1

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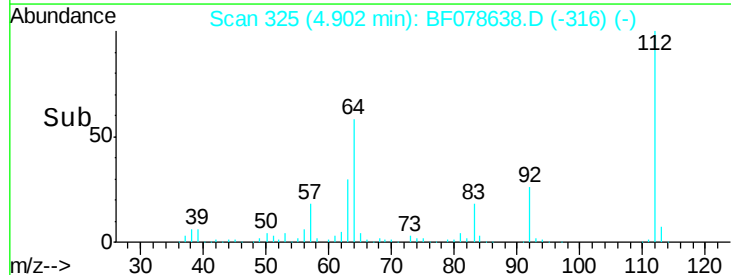
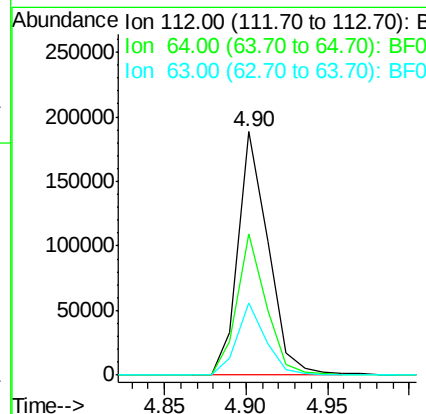
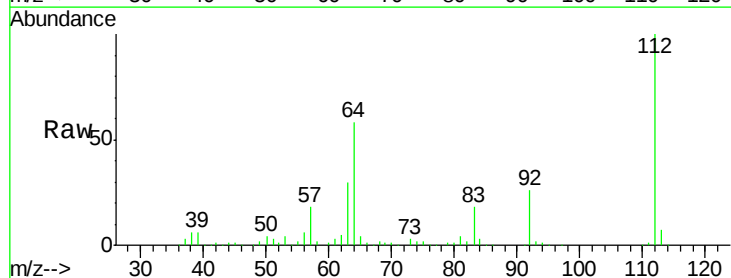
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#5

2-Fluorophenol
Concen: 107.31 ng
RT: 4.90 min Scan# 325
Delta R.T. 0.00 min
Lab File: BF078638.D
Acq: 18 Apr 2015 11:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	39.9	59.9
63	29.7	20.2	30.4





#7

Phenol-d6

Concen: 110.45 ng

RT: 6.28 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Instrument :

BNA_F

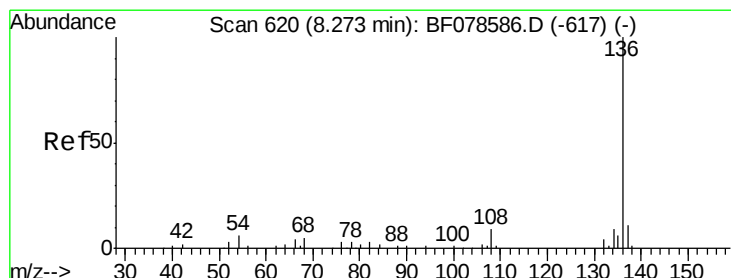
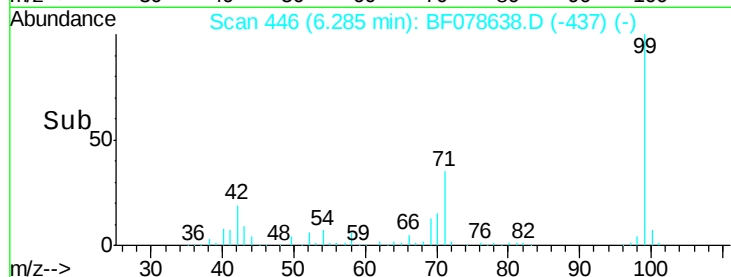
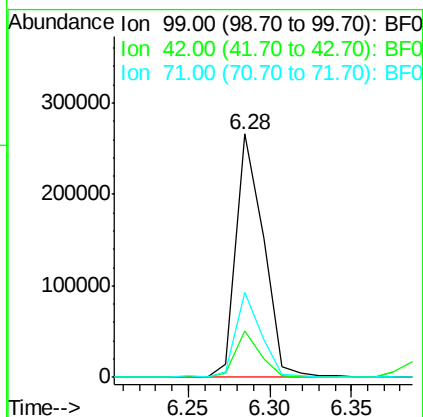
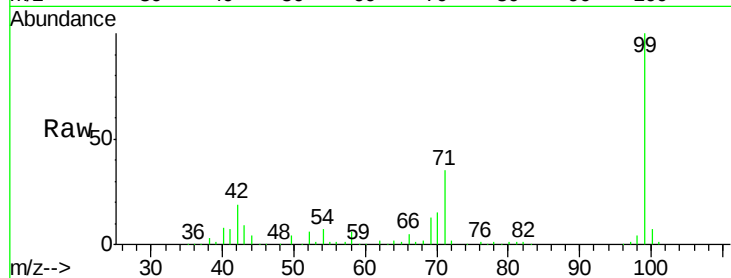
ClientSampleId :

LS-SB11B

Tot Ion:	99	Resp:	310605
Ion Ratio	Lower	Upper	
99	100		
42	18.9	14.8	22.2
71	34.8	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

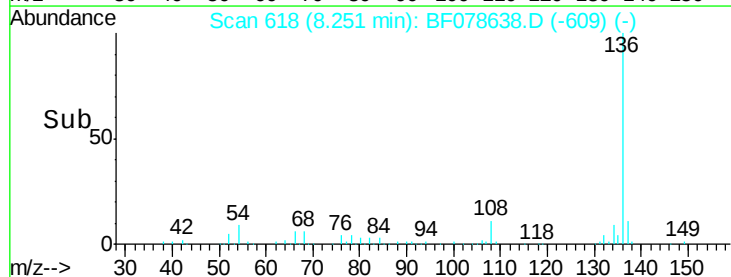
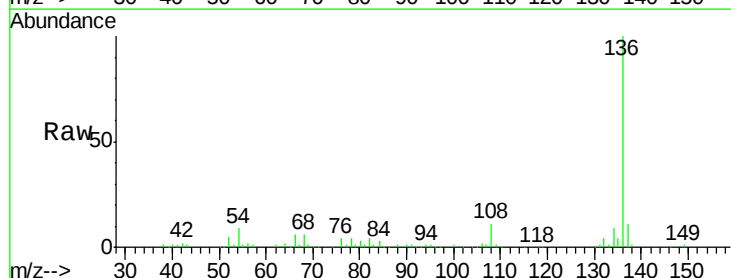
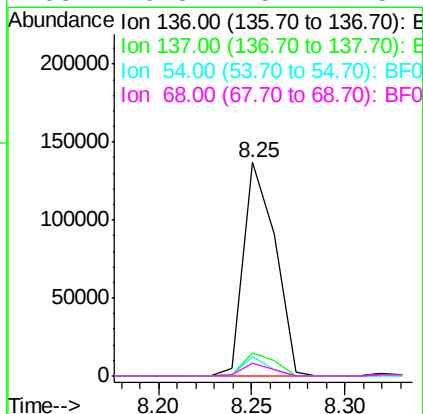
RT: 8.25 min Scan# 618

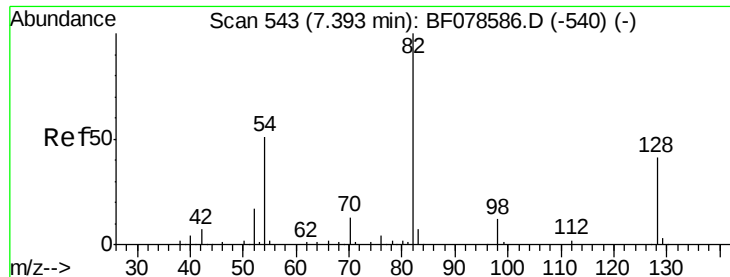
Delta R.T. 0.00 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Tgt Ion:	136	Resp:	161649
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	9.1	7.0	10.6
68	6.3	5.4	8.2





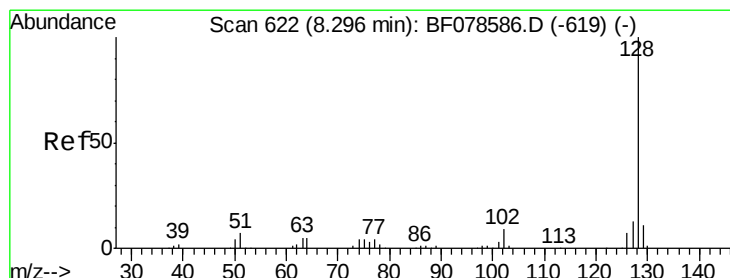
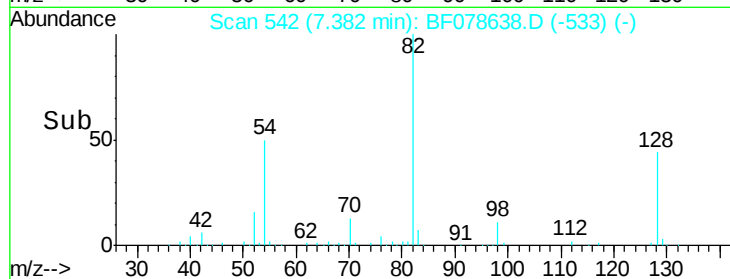
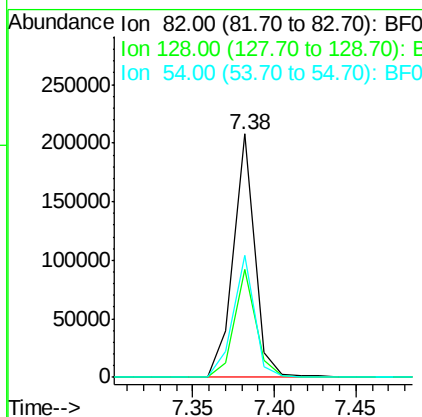
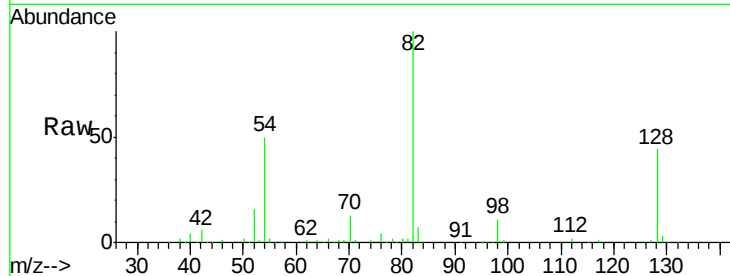
#23
Nitrobenzene-d5
Concen: 70.68 ng
RT: 7.38 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF078638.D
Acq: 18 Apr 2015 11:53

Instrument :
BNA_F
ClientSampleId :
LS-SB11B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	188498		
128	44.1	31.8	47.8	
54	50.0	41.5	62.3	

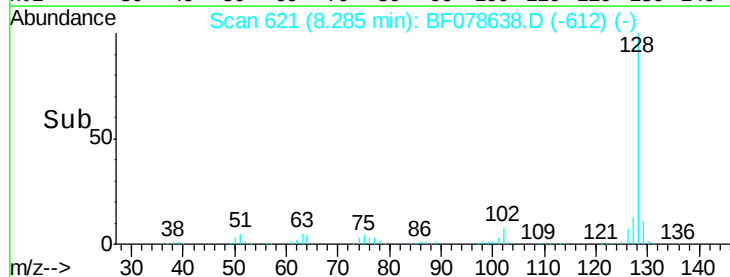
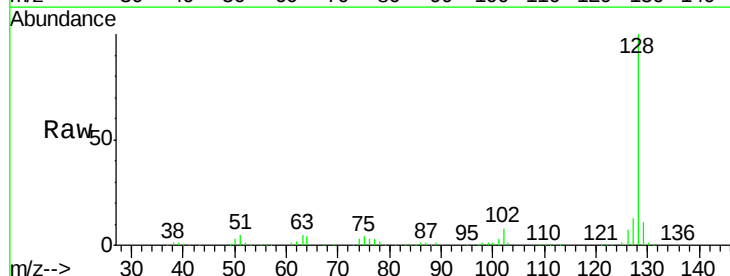
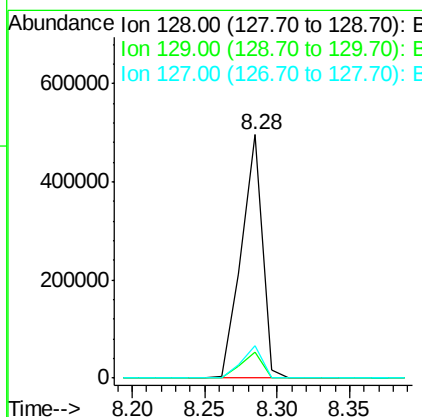
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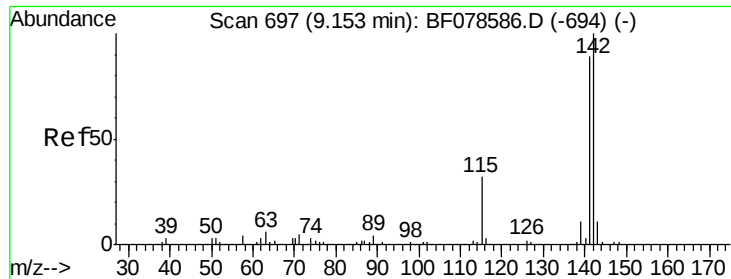
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#31
Naphthalene
Concen: 59.48 ng
RT: 8.28 min Scan# 621
Delta R.T. 0.00 min
Lab File: BF078638.D
Acq: 18 Apr 2015 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	500448		
129	10.8	8.6	12.8	
127	13.2	10.7	16.1	





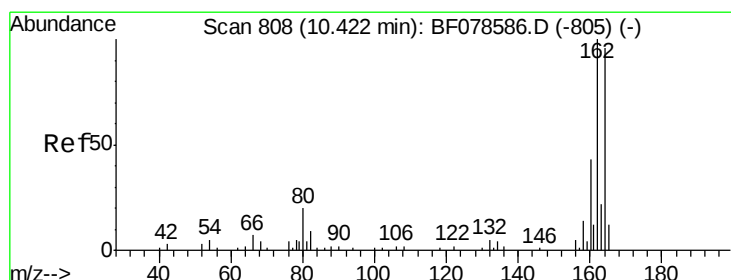
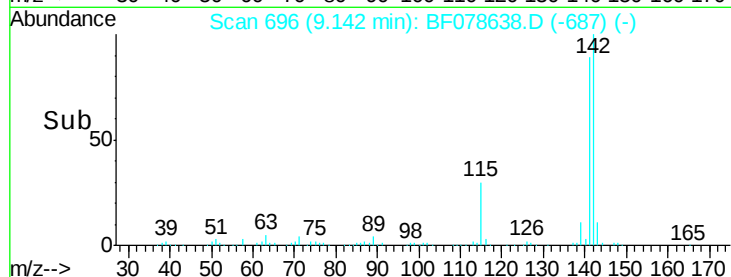
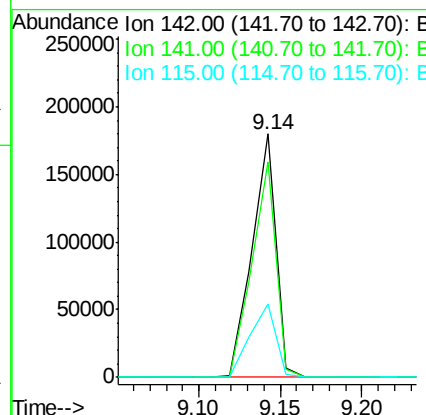
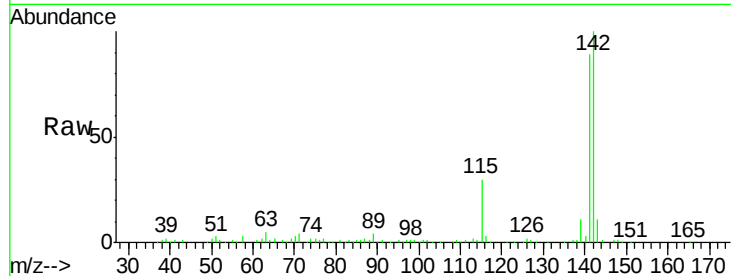
#37
2-Methylnaphthalene
Concen: 32.09 ng
RT: 9.14 min Scan# 696
Delta R.T. 0.00 min
Lab File: BF078638.D
Acq: 18 Apr 2015 11:53

Instrument :
BNA_F
ClientSampleId :
LS-SB11B

Tot Ion	Ratio	Resp	Lower	Upper
142	100	183311		
141	88.6	70.3	105.5	
115	30.3	24.6	37.0	

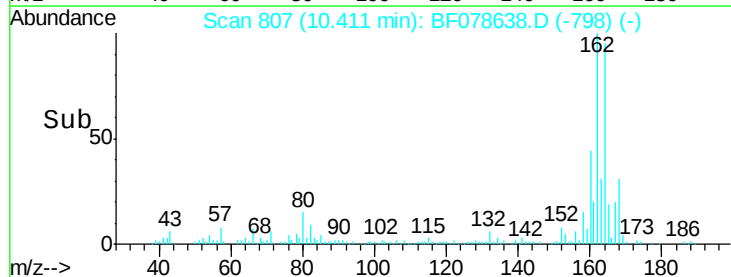
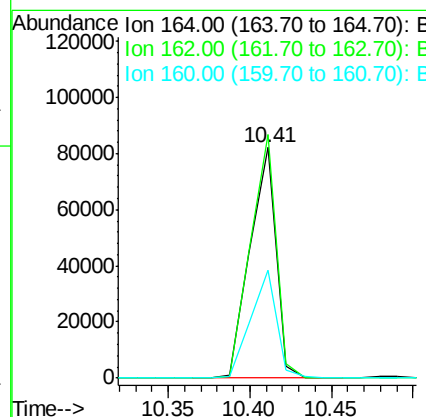
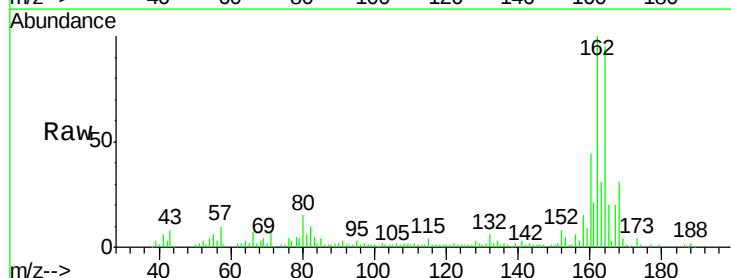
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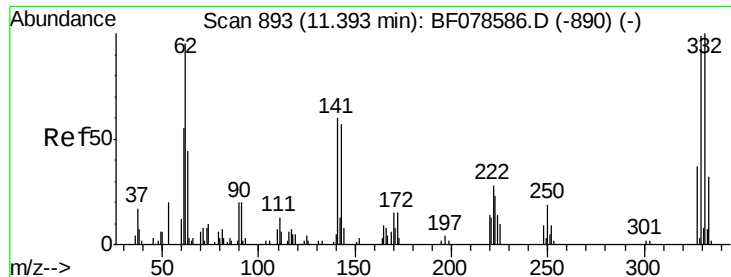
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.41 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF078638.D
Acq: 18 Apr 2015 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	90515		
162	105.7	82.2	123.2	
160	46.7	34.7	52.1	





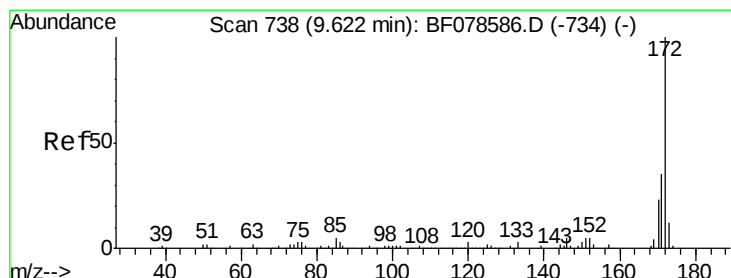
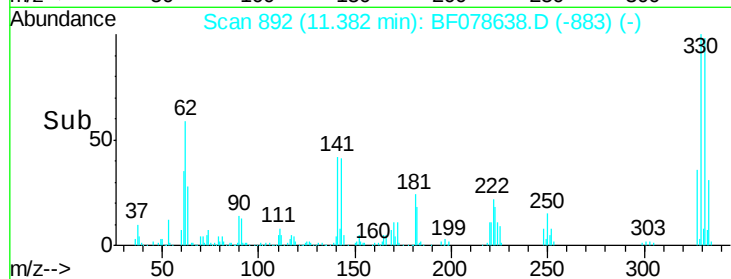
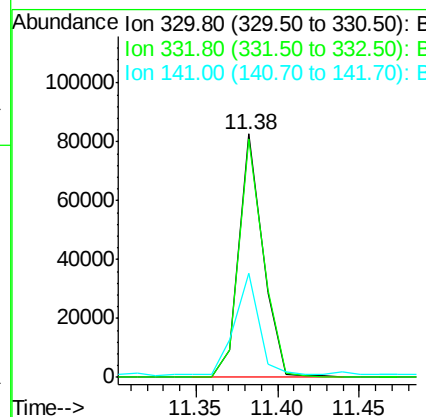
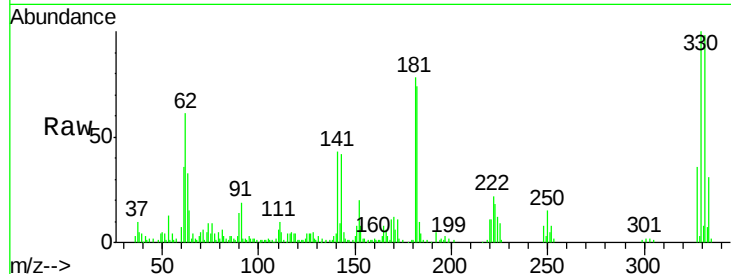
#41
 2,4,6-Tribromophenol
 Concen: 112.48 ng
 RT: 11.38 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: BF078638.D
 Acq: 18 Apr 2015 11:53

Instrument :
 BNA_F
 ClientSampled :
 LS-SB11B

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	78.6	117.8
141	44.0	31.2	46.8

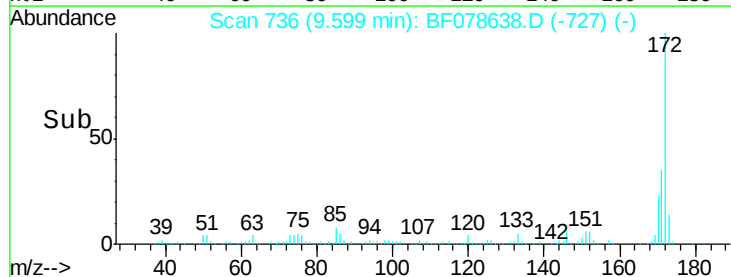
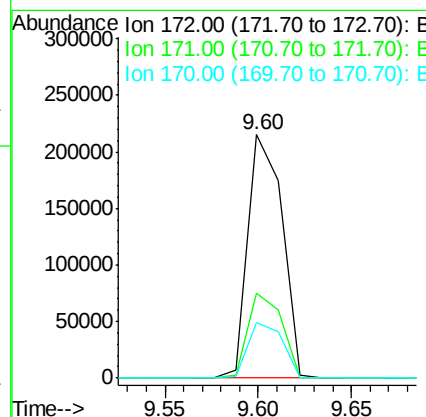
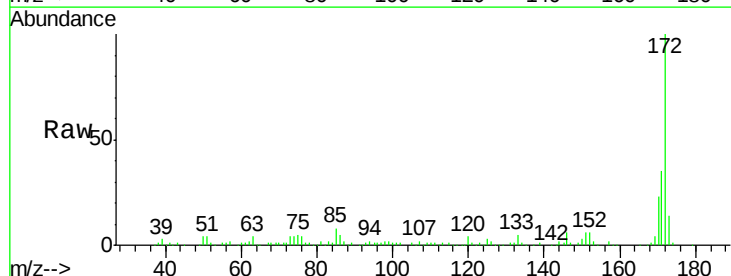
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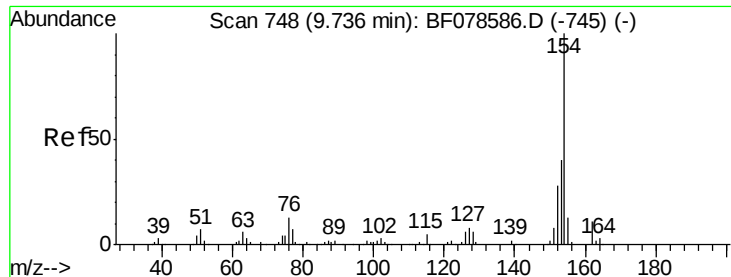
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#44
 2-Fluorobiphenyl
 Concen: 43.39 ng
 RT: 9.60 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: BF078638.D
 Acq: 18 Apr 2015 11:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	42.8
170	22.8	18.5	27.7





#45

1,1'-Biphenyl

Concen: 7.41 ng

RT: 9.72 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Instrument :

BNA_F

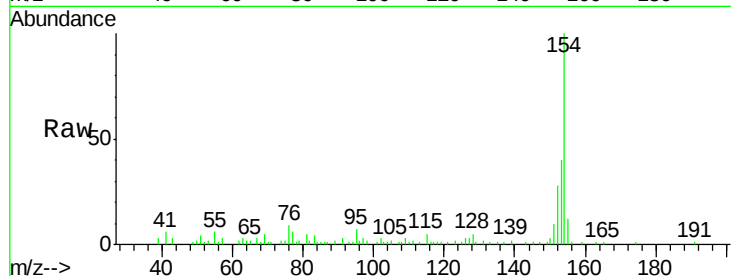
ClientSampleId :

LS-SB11B

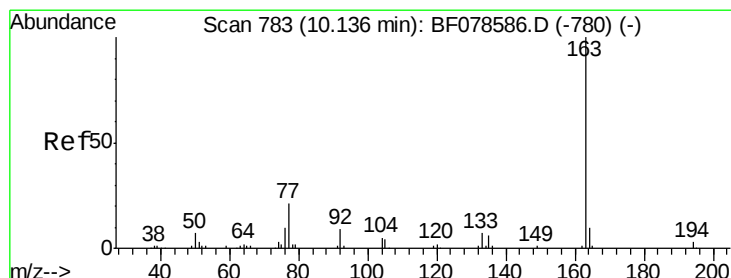
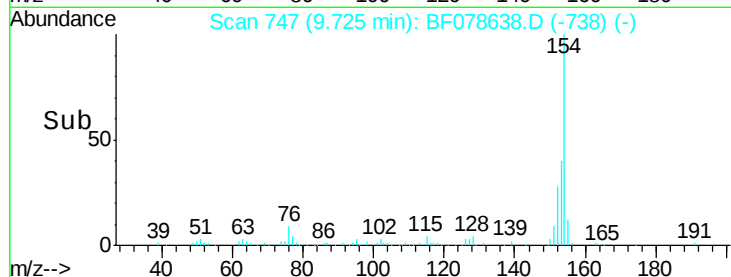
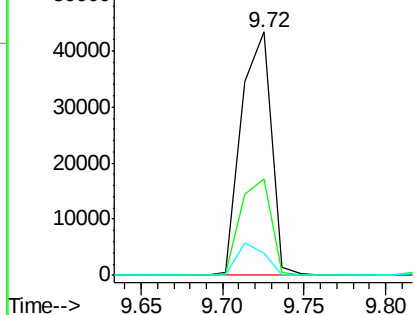
Tot Ion:	154	Resp:	54887
Ion Ratio	Lower	Upper	
154	100		
153	39.7	20.0	60.0
76	8.9	0.0	30.6

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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: 4.14 ng

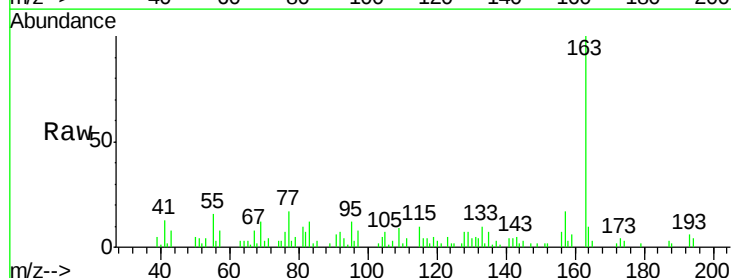
RT: 10.12 min Scan# 782

Delta R.T. 0.00 min

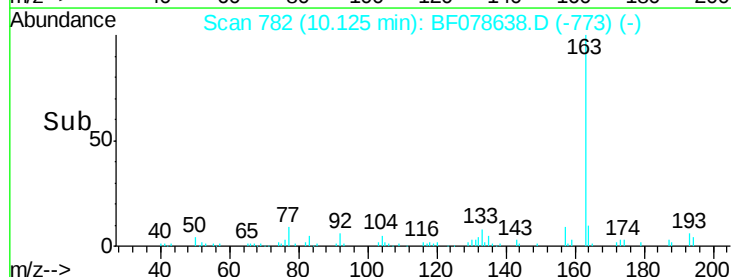
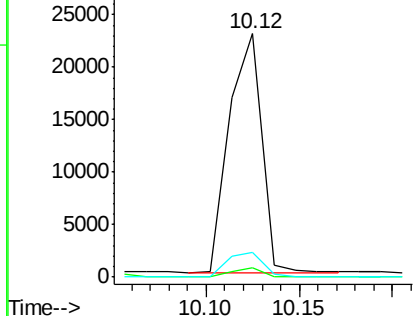
Lab File: BF078638.D

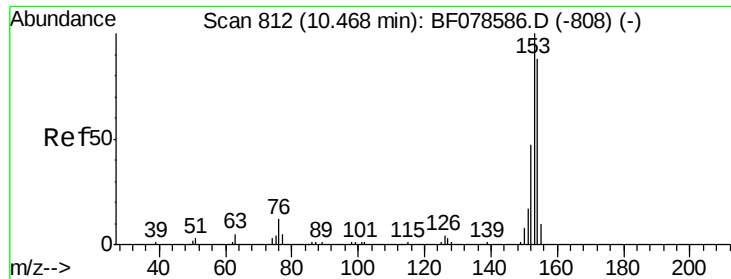
Acq: 18 Apr 2015 11:53

Tgt Ion:	163	Resp:	28163
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.3	3.5#
164	10.0	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





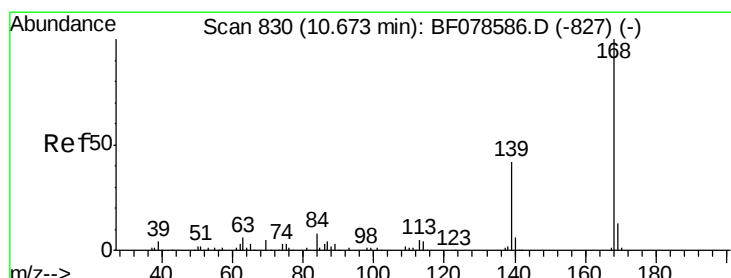
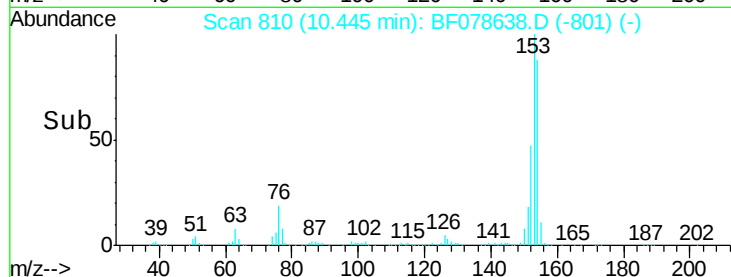
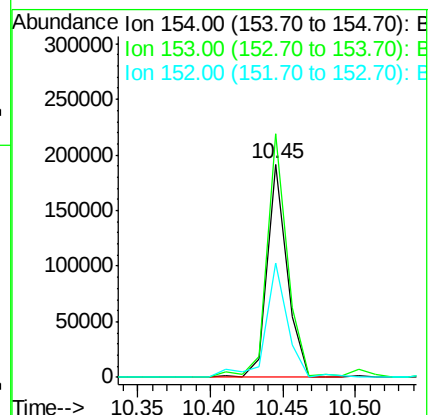
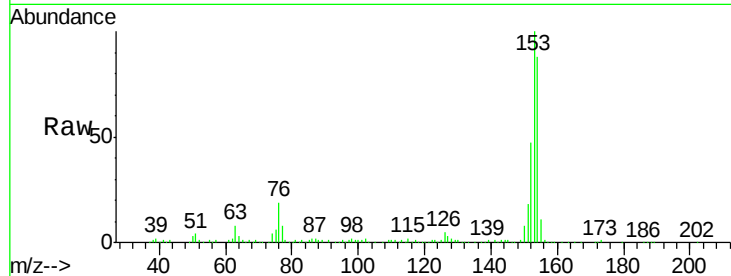
#51
Acenaphthene
Concen: 34.53 ng
RT: 10.45 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF078638.D
Acq: 18 Apr 2015 11:53

Instrument :
BNA_F
ClientSampleId :
LS-SB11B

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.1	91.4	137.2	
152	53.8	43.0	64.6	

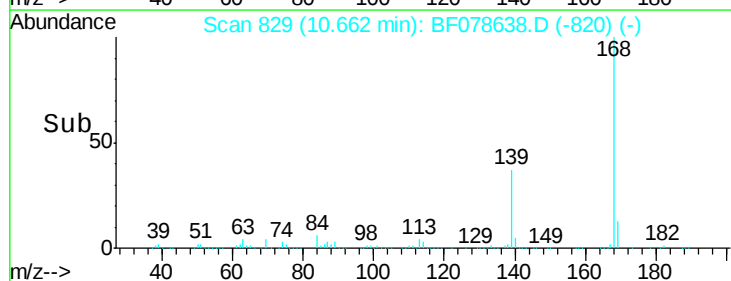
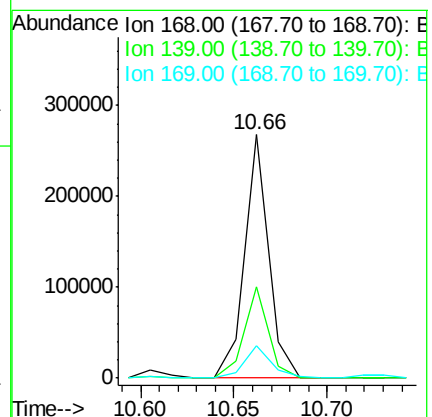
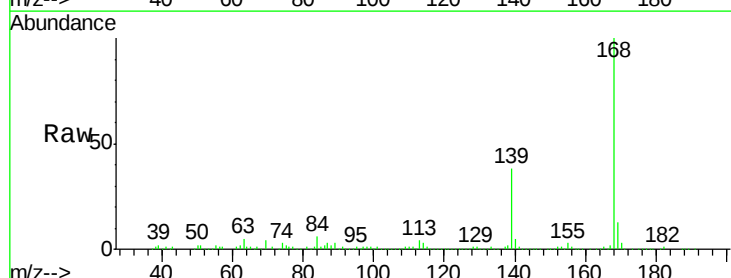
Manual Integrations
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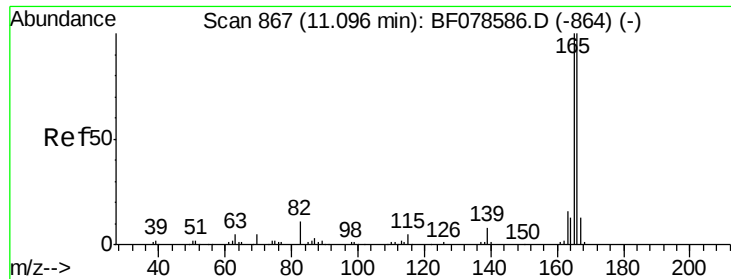
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#54
Dibenzofuran
Concen: 29.87 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF078638.D
Acq: 18 Apr 2015 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	37.6	31.0	46.4	
169	13.2	10.7	16.1	





#57

Fluorene

Concen: 40.92 ng

RT: 11.09 min Scan# 866

Delta R.T. 0.00 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Instrument :

BNA_F

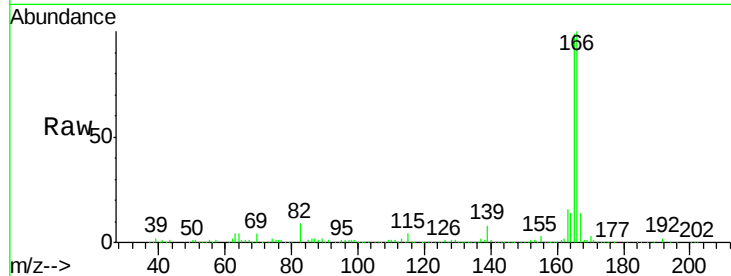
ClientSampleId :

LS-SB11B

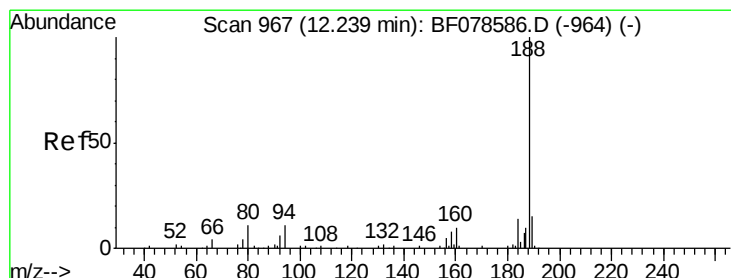
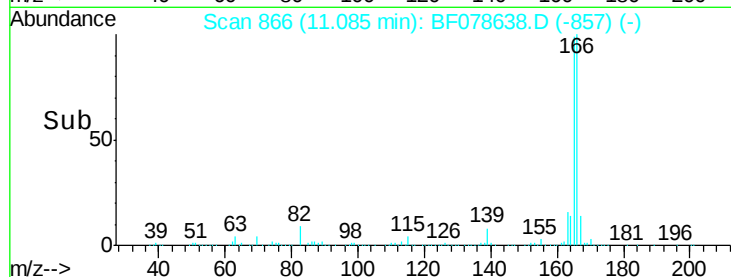
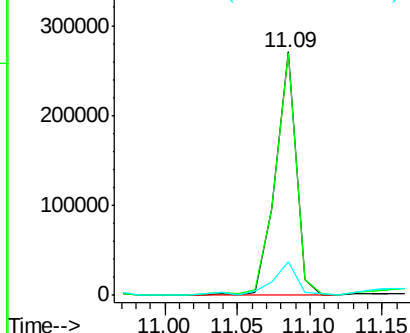
Tot Ion:	166	Resp:	268343
Ion Ratio	Lower	Upper	
166	100		
165	99.5	78.9	118.3
167	13.7	10.7	16.1

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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: 12.23 min Scan# 966

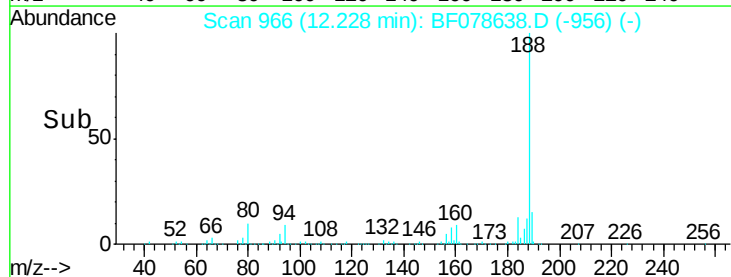
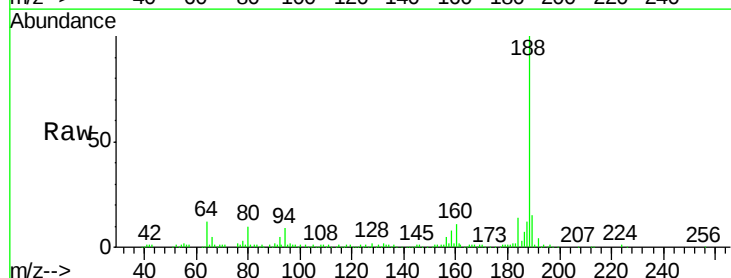
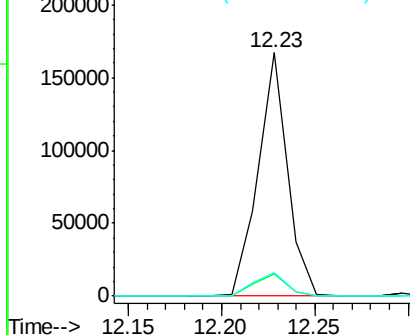
Delta R.T. 0.01 min

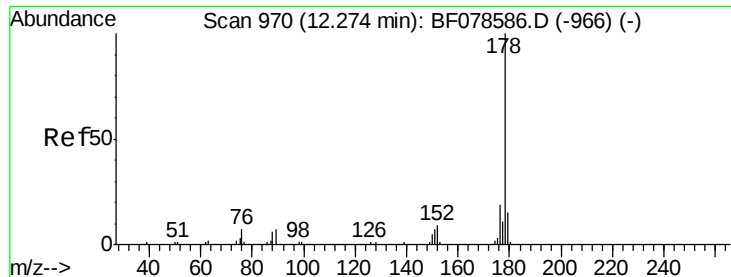
Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Tgt Ion:	188	Resp:	182149
Ion Ratio	Lower	Upper	
188	100		
94	9.3	9.0	13.4
80	9.6	9.5	14.3

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 106.25 ng

RT: 12.26 min Scan# 969

Delta R.T. 0.01 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Instrument :

BNA_F

ClientSampleId :

LS-SB11B

Tot Ion:178 Resp: 1119494

Ion Ratio Lower Upper

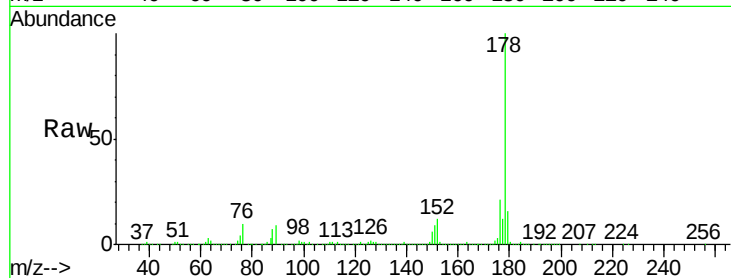
178 100

176 20.7 15.4 23.0

179 16.2 12.2 18.2

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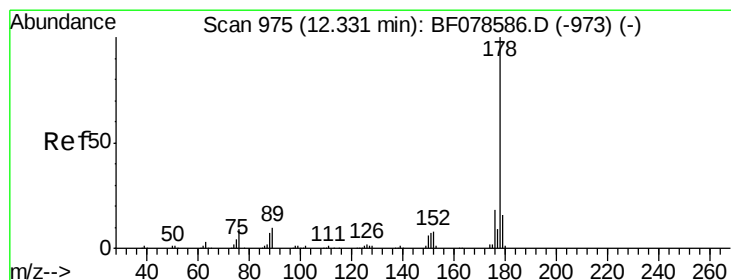
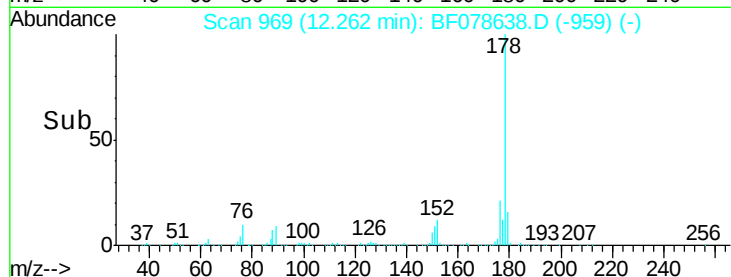
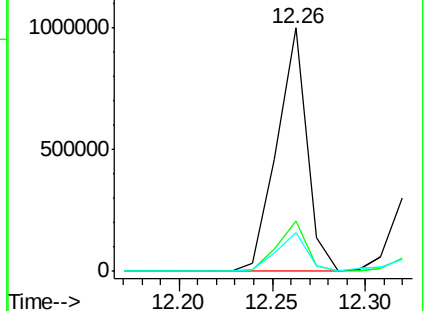
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 25.65 ng

RT: 12.32 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

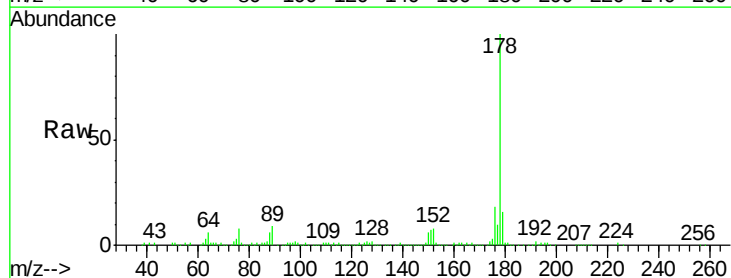
Tgt Ion:178 Resp: 266343

Ion Ratio Lower Upper

178 100

176 18.3 14.8 22.2

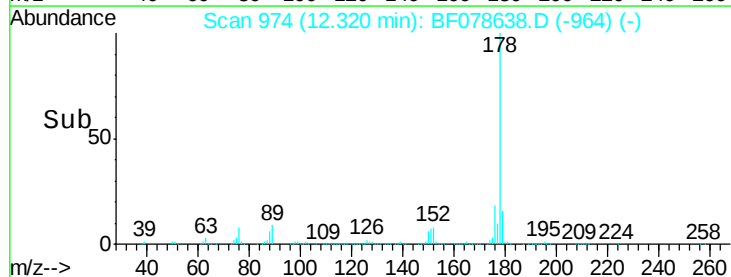
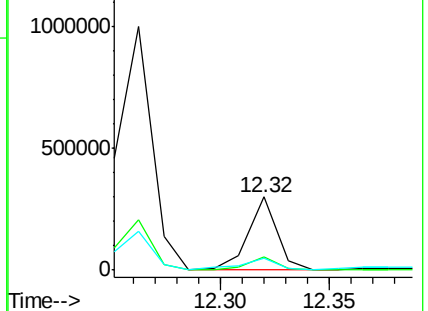
179 16.4 12.4 18.6

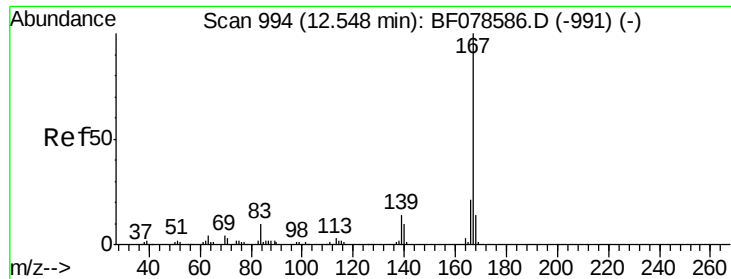


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.67 ng

RT: 12.54 min Scan# 993

Delta R.T. 0.00 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Instrument :

BNA_F

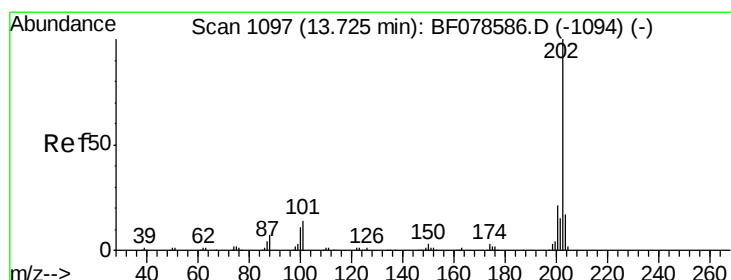
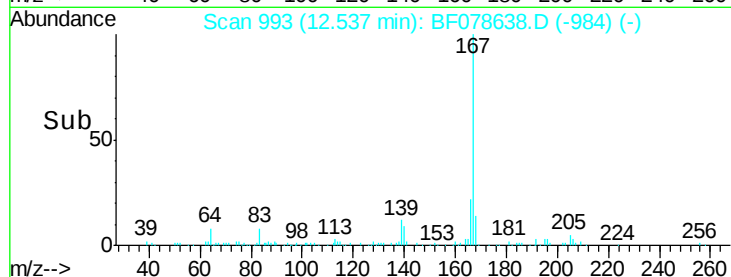
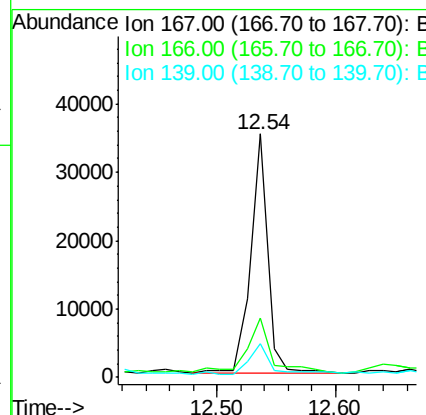
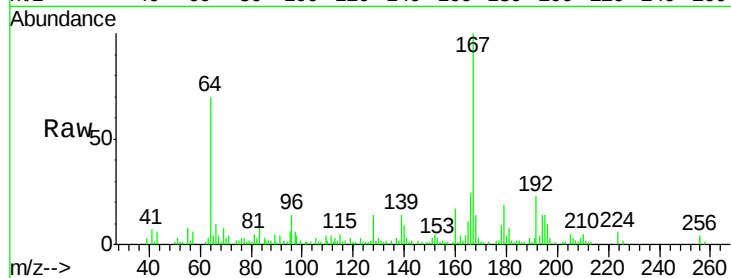
ClientSampleId :

LS-SB11B

Tot Ion:	167	Resp:	35713
Ion Ratio	Lower	Upper	
167	100		
166	24.3	16.8	25.2
139	13.7	10.0	15.0

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#74

Fluoranthene

Concen: 60.66 ng

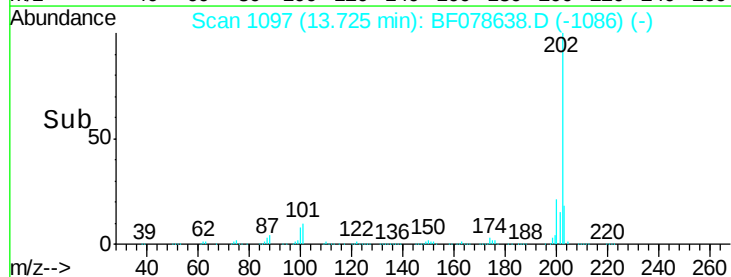
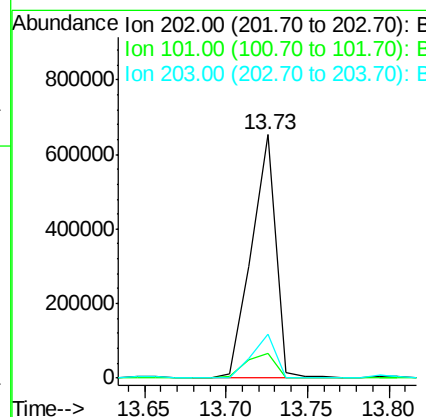
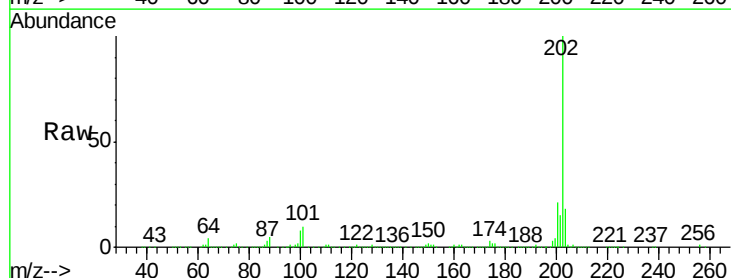
RT: 13.73 min Scan# 1097

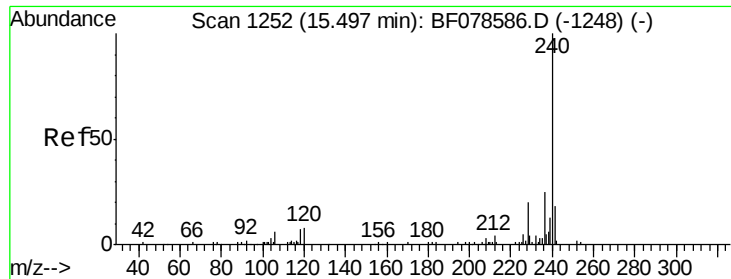
Delta R.T. 0.02 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Tgt Ion:	202	Resp:	674044
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	35.2
203	18.0	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.47 min Scan# 1250

Delta R.T. 0.01 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Instrument :

BNA_F

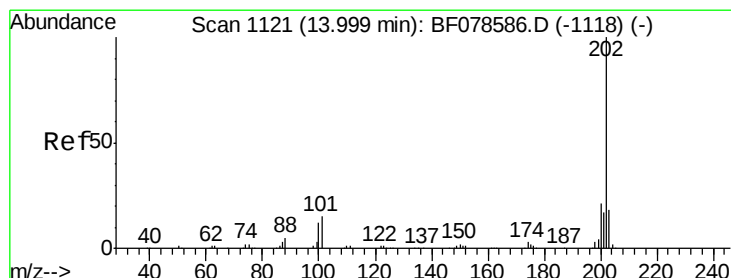
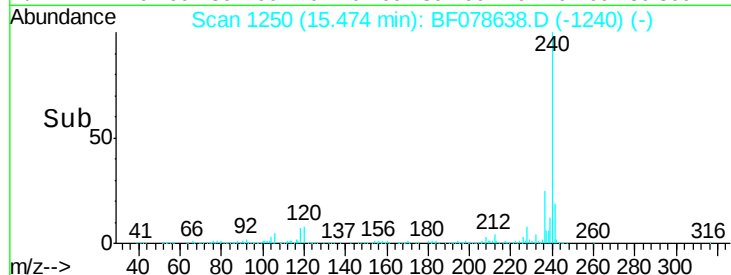
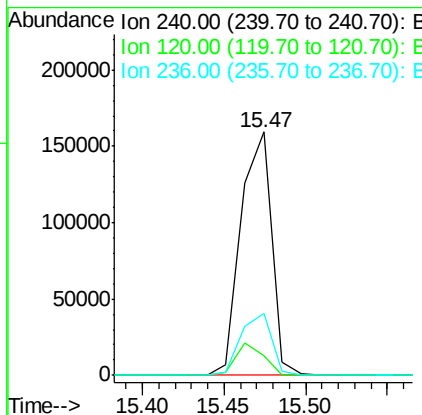
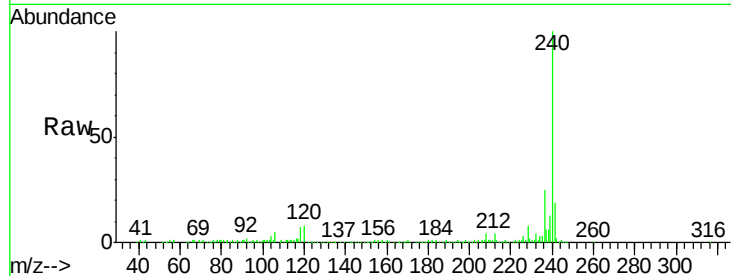
ClientSampleId :

LS-SB11B

Tot Ion:	240	Resp:	207687
Ion Ratio	Lower	Upper	
240	100		
120	8.1	7.1	10.7
236	25.2	21.4	32.2

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#77

Pyrene

Concen: 35.24 ng

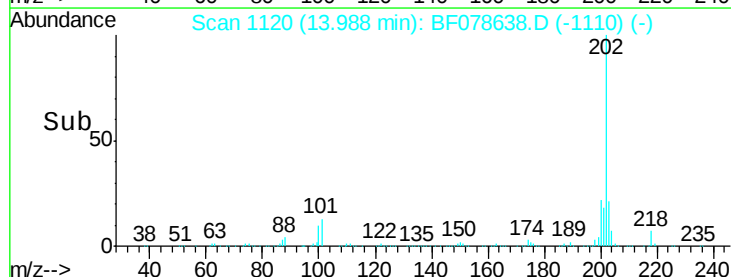
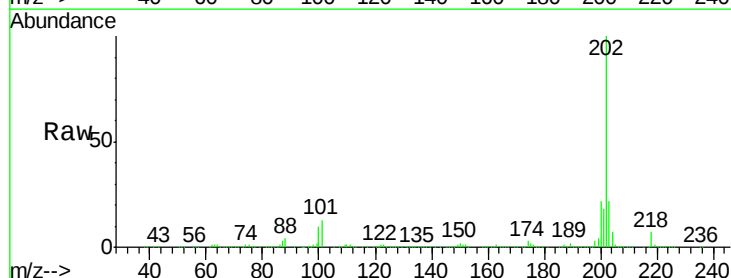
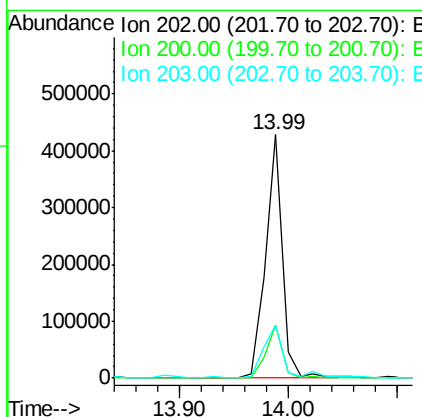
RT: 13.99 min Scan# 1120

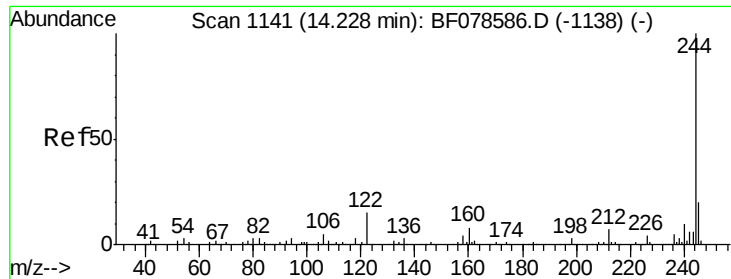
Delta R.T. 0.01 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Tgt Ion:	202	Resp:	459401
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.3	24.5
203	21.7	13.8	20.6





#78

Terphenyl-d14

Concen: 58.14 ng

RT: 14.22 min Scan# 1140

Delta R.T. 0.01 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Instrument :

BNA_F

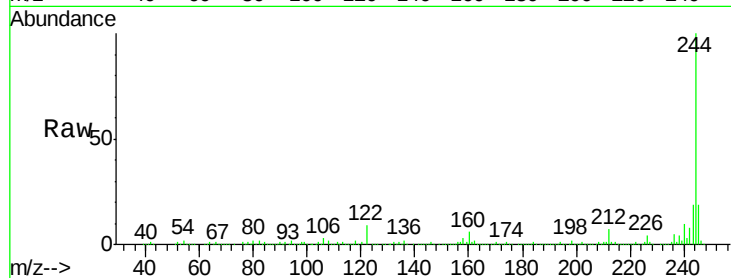
ClientSampleId :

LS-SB11B

Tot Ion	Ratio	Resp	Lower	Upper
244	100	534411		
212	6.6	5.0	7.4	
122	9.4	7.1	10.7	

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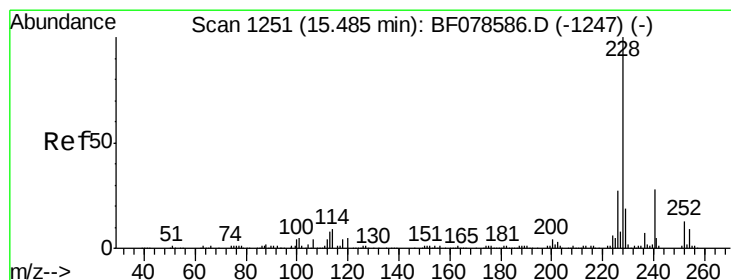
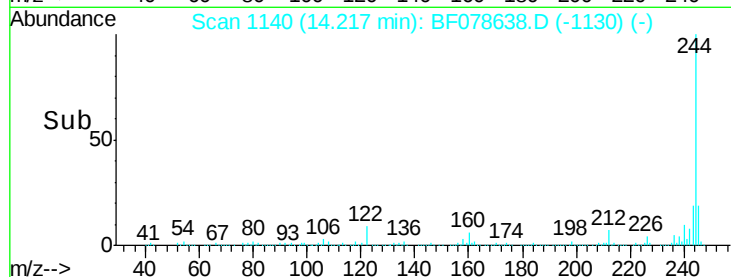
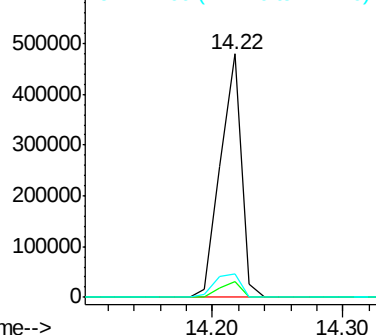
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.69 ng m

RT: 15.46 min Scan# 1249

Delta R.T. 0.01 min

Lab File: BF078638.D

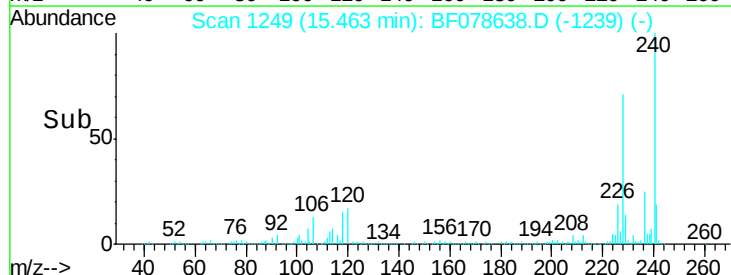
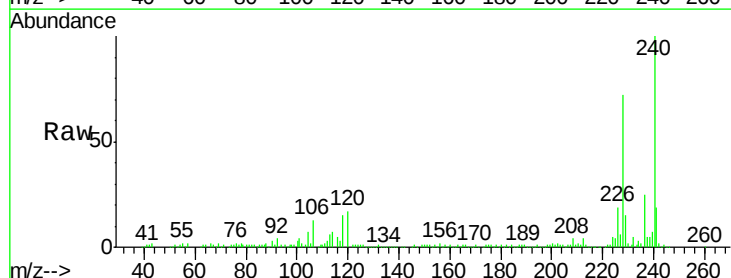
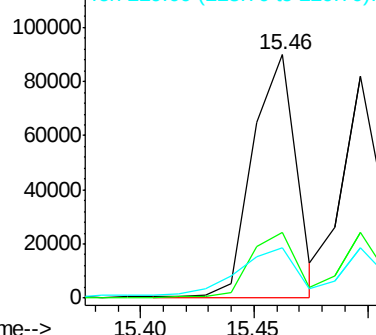
Acq: 18 Apr 2015 11:53

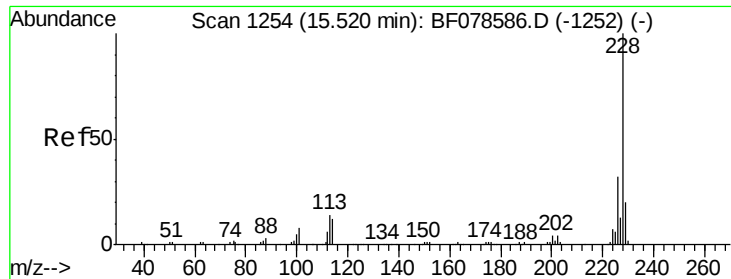
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	119795		
226	26.8	21.3	31.9	
229	20.6	15.4	23.2	

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





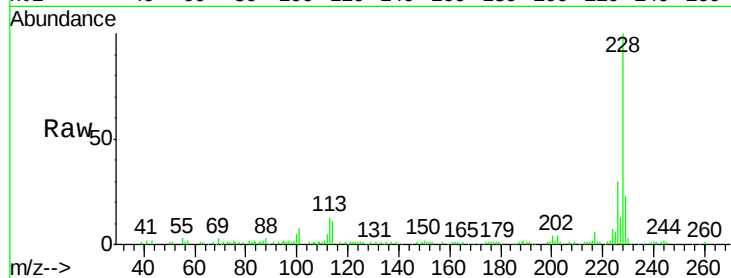
#82
Chrysene
Concen: 8.43 ng/ml
RT: 15.50 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BF078638.D
Acq: 18 Apr 2015 11:53

Instrument :
BNA_F
ClientSampleId :
LS-SB11B

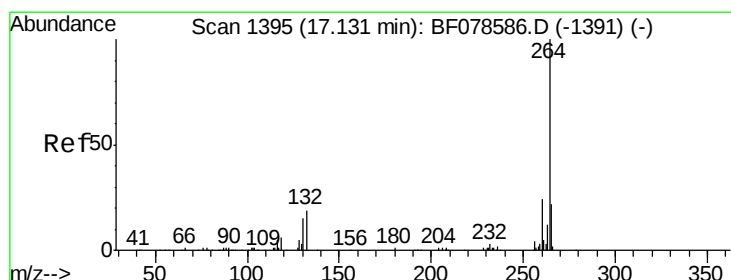
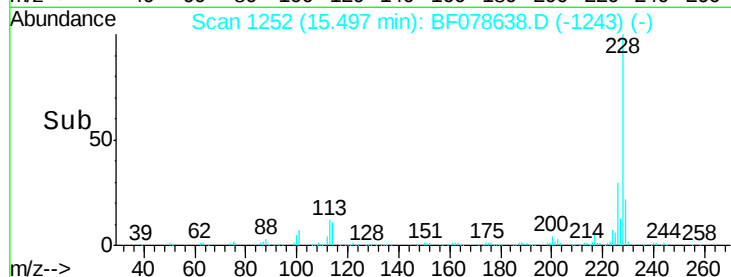
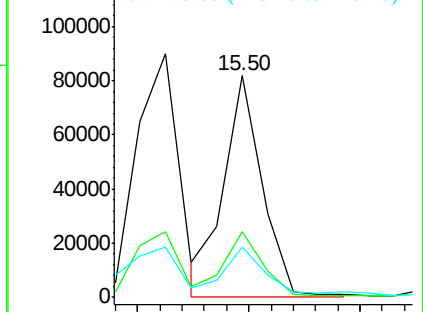
Tot Ion:	228	Resp:	97874
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.2	36.4
229	22.5	15.8	23.8

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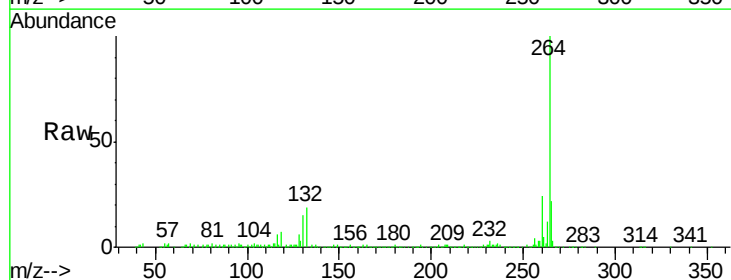


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

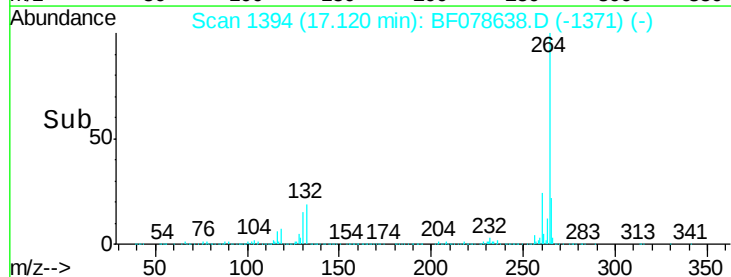
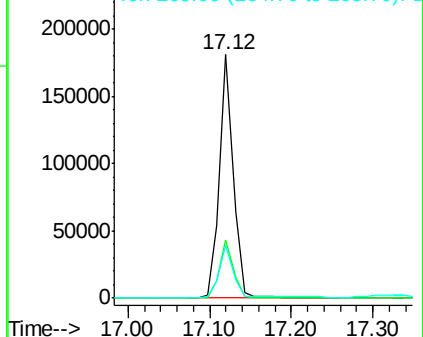


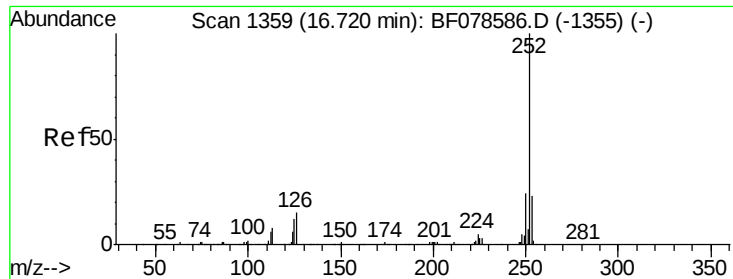
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.12 min Scan# 1394
Delta R.T. -0.03 min
Lab File: BF078638.D
Acq: 18 Apr 2015 11:53

Tgt Ion:	264	Resp:	213357
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.6	27.8
265	21.6	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: 4.65 ng

RT: 16.71 min Scan# 1358

Delta R.T. -0.02 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Instrument :

BNA_F

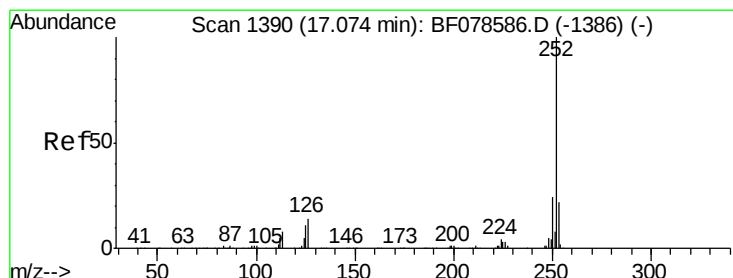
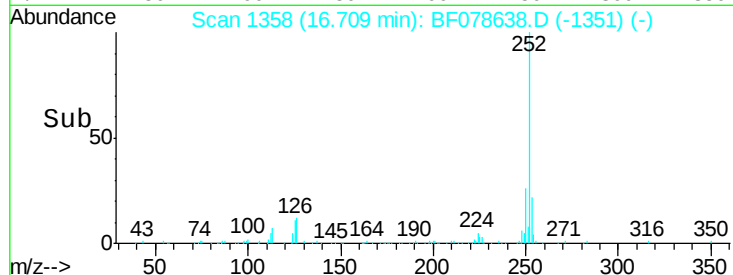
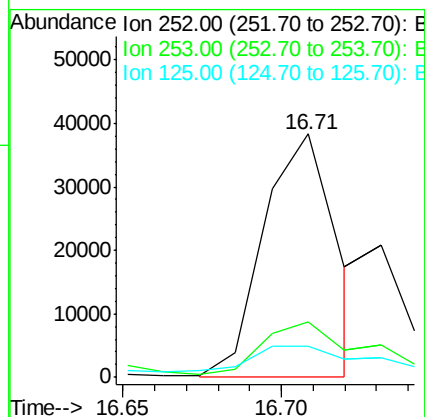
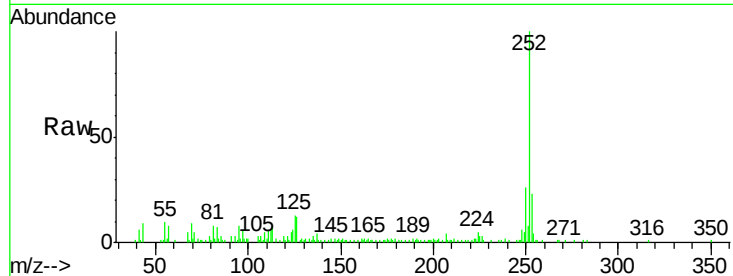
ClientSampleId :

LS-SB11B

Tot Ion:	252	Resp:	61284
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.2	25.8
125	12.8	7.0	10.4

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#89

Benzo(a)pyrene

Concen: 2.90 ng

RT: 17.06 min Scan# 1389

Delta R.T. -0.03 min

Lab File: BF078638.D

Acq: 18 Apr 2015 11:53

Tgt Ion:	252	Resp:	33389
Ion Ratio	Lower	Upper	
252	100		
253	23.7	16.8	25.2
125	12.5	7.4	11.0

