

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
 Data File : BF078694.D
 Acq On : 21 Apr 2015 20:36
 Operator : TP/IZ
 Sample : G1938-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-65S

Manual Integrations
 APPROVED

apatel
 4/22/2015 5:22:29 PM

Quant Time: Apr 22 03:35:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 00:52:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	32520	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	134571	20.00	ng	-0.01
38) Acenaphthene-d10	11.17	164	68920	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	134136	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	145715	20.00	ng	-0.01
86) Perylene-d12	19.50	264	156670	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	176144	89.31	ng	0.01
7) Phenol-d6	5.32	99	230630	93.30	ng	0.00
23) Nitrobenzene-d5	6.75	82	133182	59.99	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	57729	101.00	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	282179	58.52	ng	-0.01
78) Terphenyl-d14	16.43	244	327876	50.84	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.90	152	27670	3.86	ng	97
49) Dimethylphthalate	10.80	163	11941	2.31	ng	# 95
51) Acenaphthene	11.22	154	15565	3.86	ng	98
54) Dibenzofuran	11.55	168	14652	2.38	ng	99
57) Fluorene	12.18	166	23426	4.69	ng	98
70) Phenanthrene	13.94	178	362241	46.69	ng	100
71) Anthracene	14.03	178	92686	12.12	ng	99
72) Carbazole	14.37	167	27174	3.79	ng	95
74) Fluoranthene	15.84	202	645373	78.87	ng	94
77) Pyrene	16.15	202	566827	61.97	ng	# 92
80) Benzo(a)anthracene	17.76	228	360787	41.61	ng	98
82) Chrysene	17.81	228	272553	33.46	ng	97
85) Indeno(1,2,3-cd)pyrene	20.69	276	196032m	21.21	ng	
87) Benzo(b)fluoranthene	19.07	252	416013m	42.96	ng	
88) Benzo(k)fluoranthene	19.10	252	133025m	15.46	ng	
89) Benzo(a)pyrene	19.44	252	303221	35.88	ng	96
90) Dibenzo(a,h)anthracene	20.71	278	46926m	5.55	ng	
91) Benzo(g,h,i)perylene	21.01	276	179248	21.13	ng	100

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

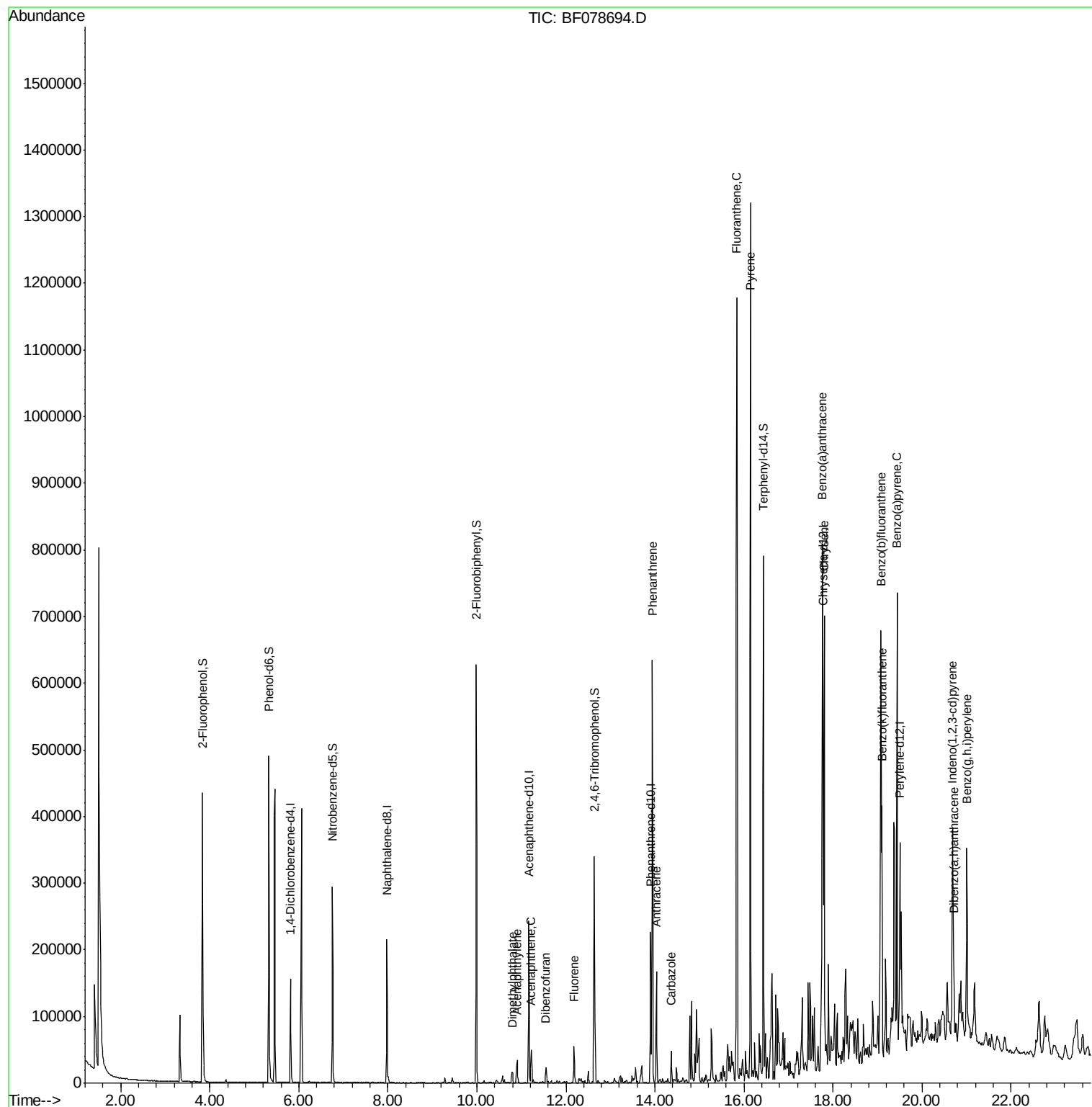
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
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ALS Vial : 12 Sample Multiplier: 1

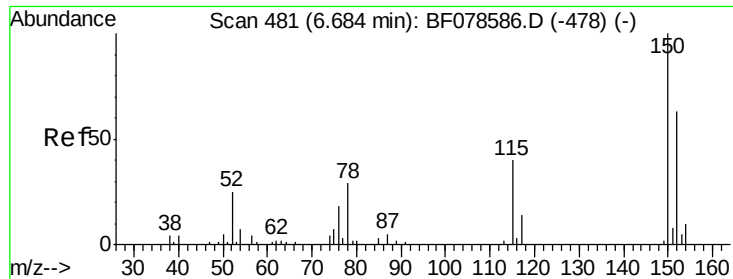
Instrument :
BNA_F
ClientSampleId :
SB-65S

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Quant Time: Apr 22 03:35:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

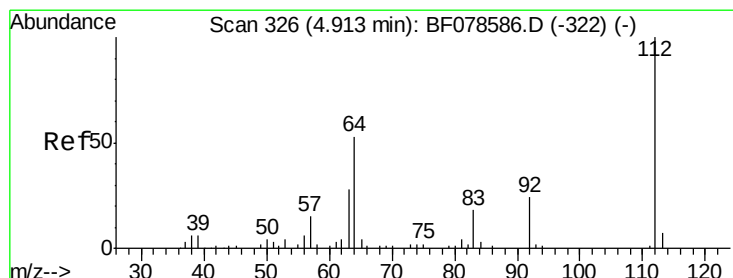
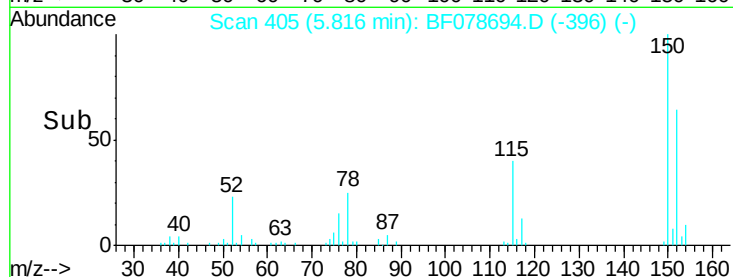
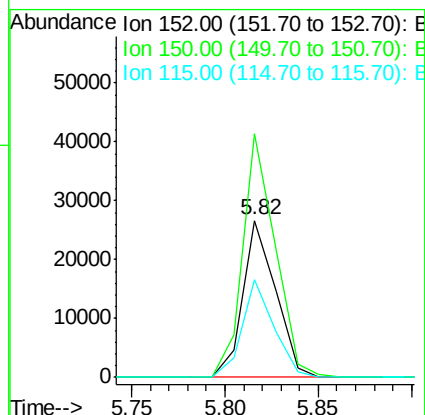
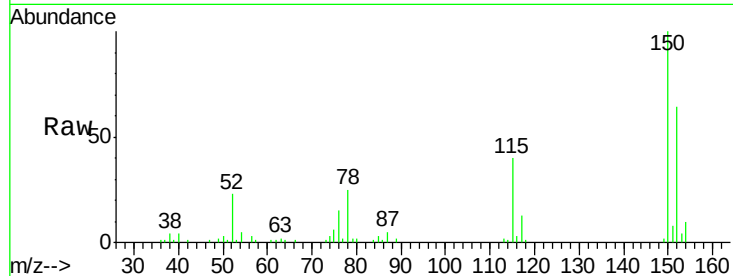
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Instrument :
BNA_F
ClientSampleId :
SB-65S

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.9	188.9
115	62.3	52.7	79.1

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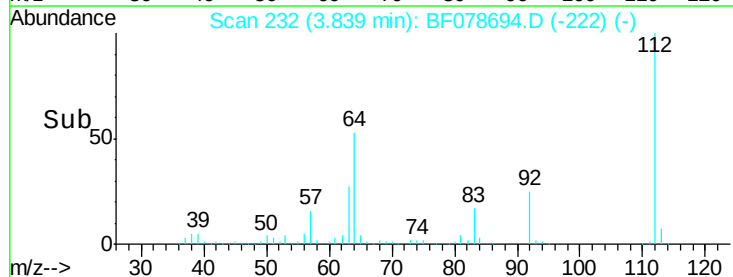
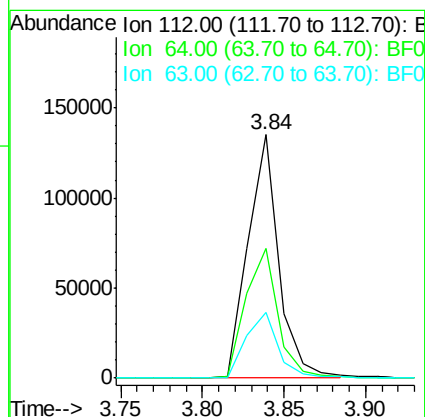
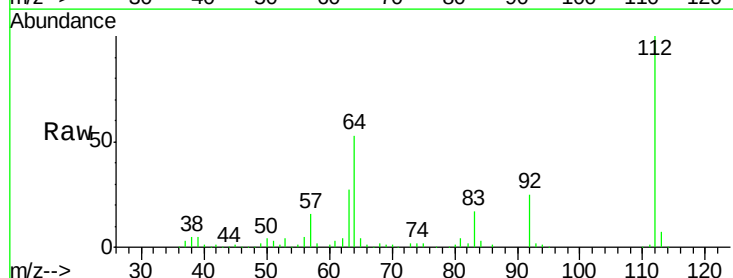
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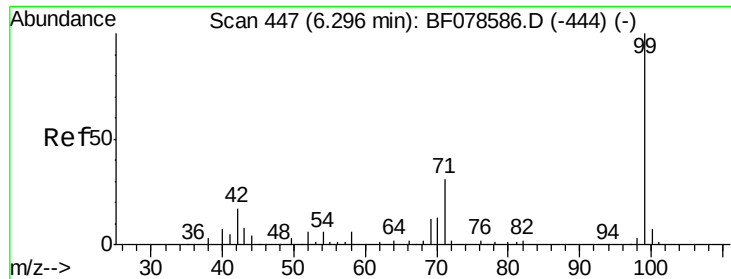


#5

2-Fluorophenol
Concen: 89.31 ng
RT: 3.84 min Scan# 232
Delta R.T. 0.01 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	39.9	59.9
63	27.2	20.2	30.4





#7

Phenol-d6

Concen: 93.30 ng

RT: 5.32 min Scan# 362

Delta R.T. 0.00 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Instrument :

BNA_F

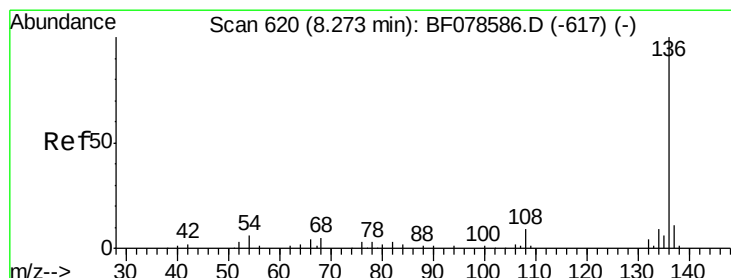
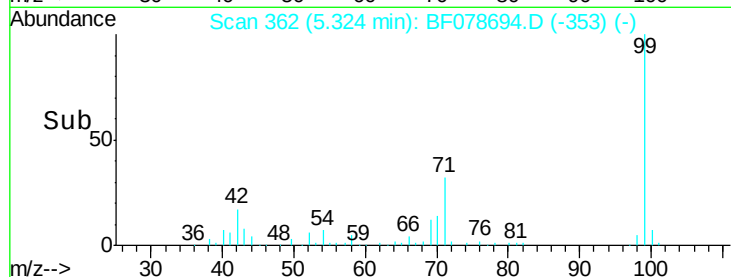
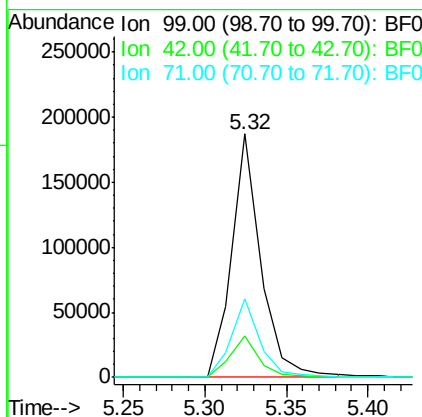
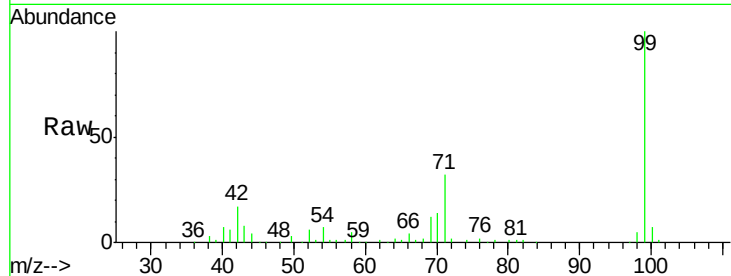
ClientSampleId :

SB-65S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		230630		
42	16.9	14.8	22.2		
71	32.2	26.6	39.8		

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#21

Naphthalene-d8

Concen: 20.00 ng

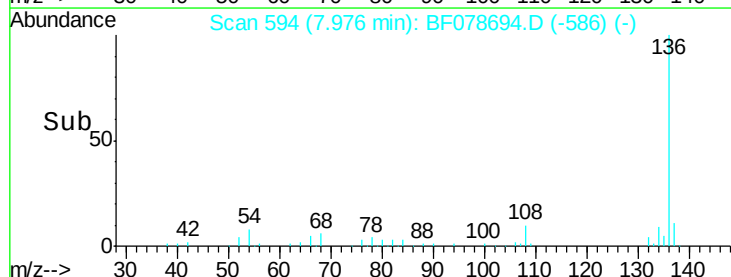
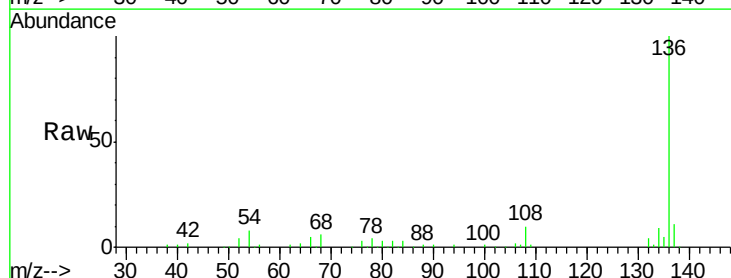
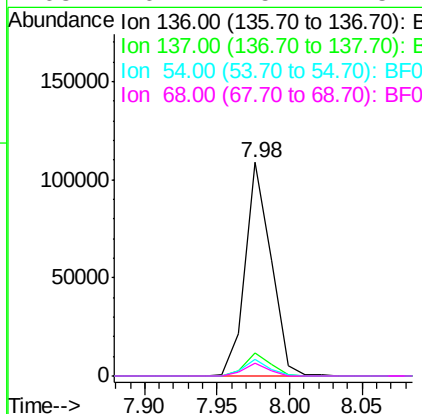
RT: 7.98 min Scan# 594

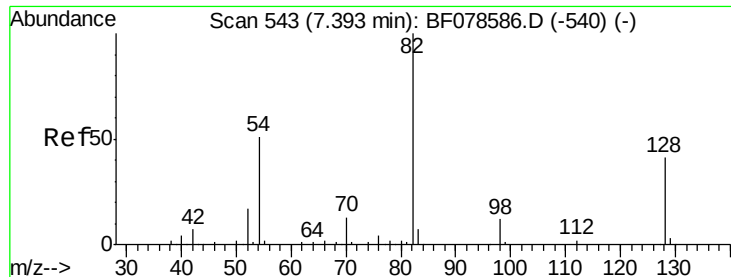
Delta R.T. -0.01 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		134571		
137	10.8	9.0	13.4		
54	7.8	7.0	10.6		
68	6.1	5.4	8.2		





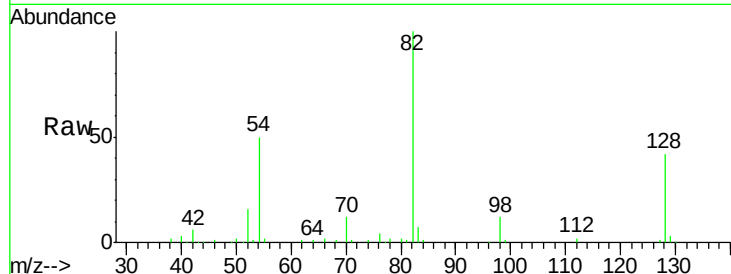
#23
 Nitrobenzene-d5
 Concen: 59.99 ng
 RT: 6.75 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BF078694.D
 Acq: 21 Apr 2015 20:36

Instrument :
 BNA_F
 ClientSampleID :
 SB-65S

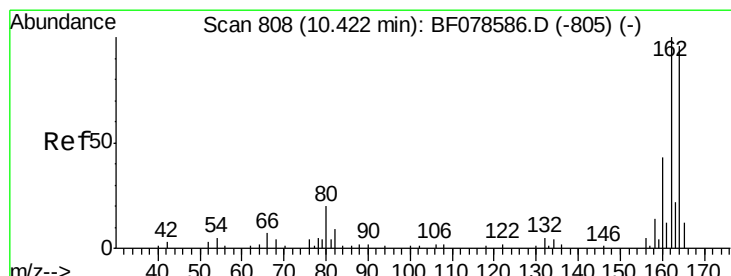
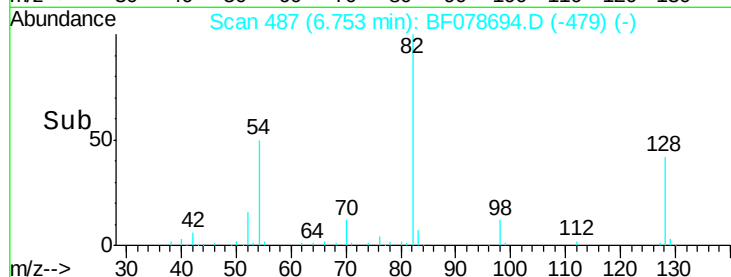
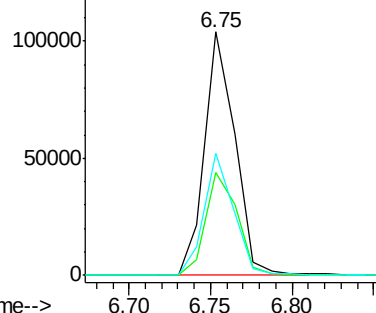
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.5	31.8	47.8	
54	50.1	41.5	62.3	

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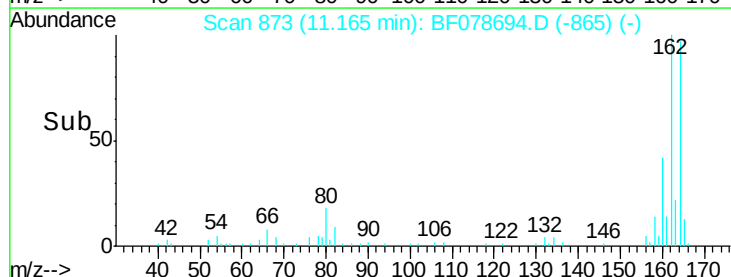
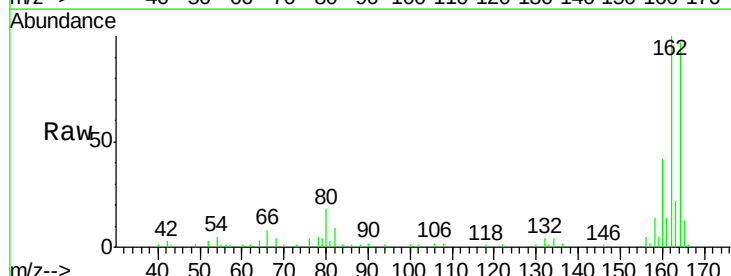
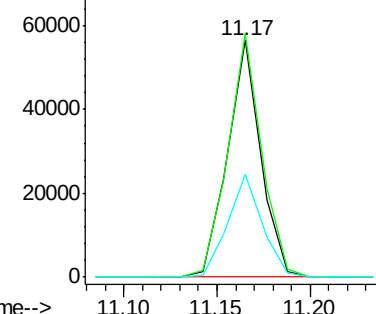
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

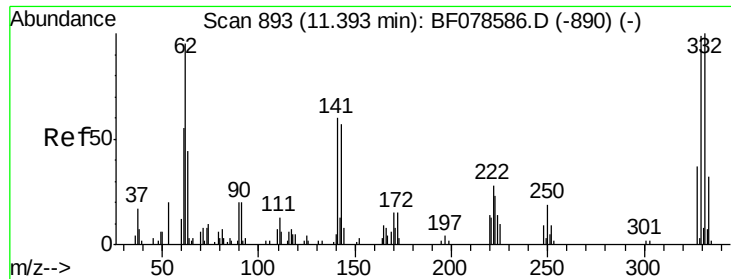


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078694.D
 Acq: 21 Apr 2015 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	82.2	123.2	
160	43.6	34.7	52.1	

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





#41

2,4,6-Tribromophenol

Concen: 101.00 ng

RT: 12.64 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Instrument :

BNA_F

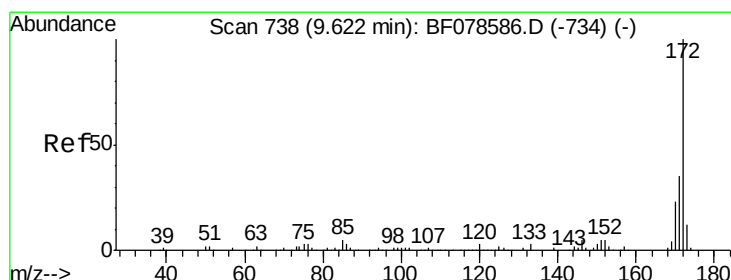
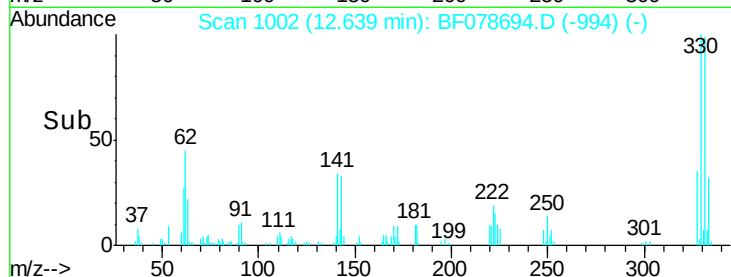
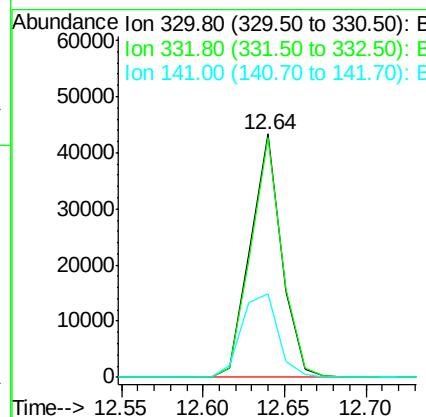
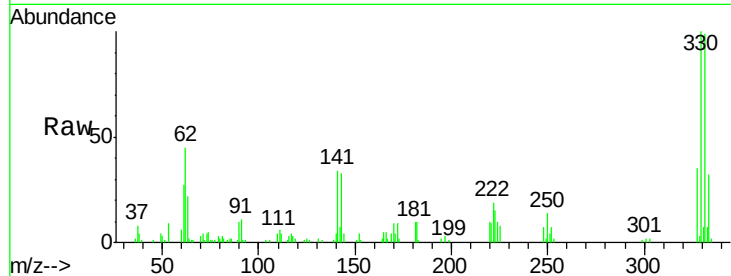
ClientSampled :

SB-65S

Tot Ion:	330	Resp:	57729
Ion Ratio	Lower	Upper	
330	100		
332	98.8	78.6	117.8
141	39.6	31.2	46.8

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#44

2-Fluorobiphenyl

Concen: 58.52 ng

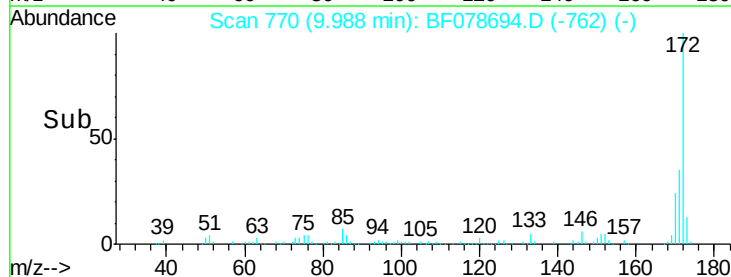
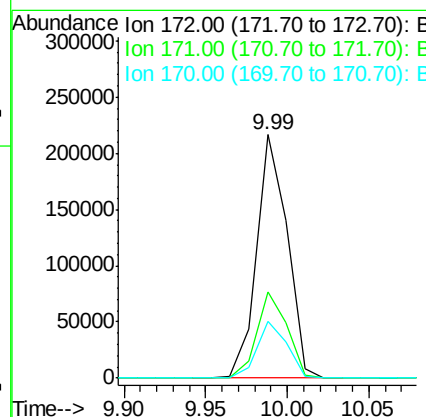
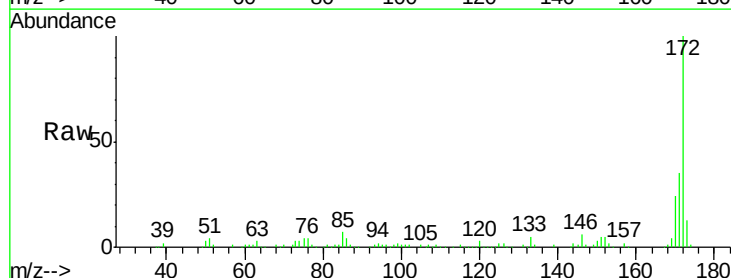
RT: 9.99 min Scan# 770

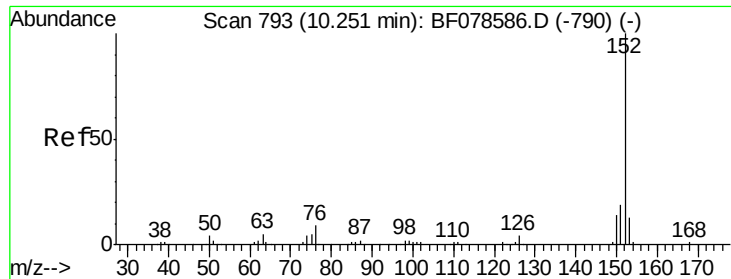
Delta R.T. -0.01 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Tgt Ion:	172	Resp:	282179
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.6	42.8
170	23.5	18.5	27.7





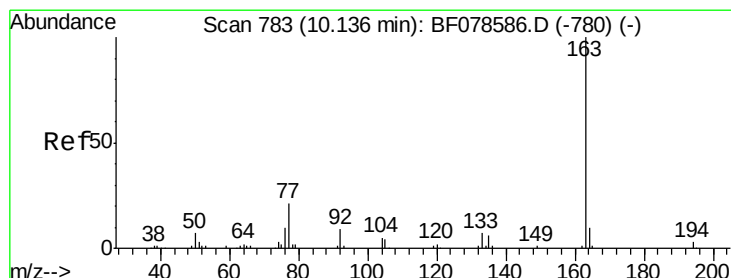
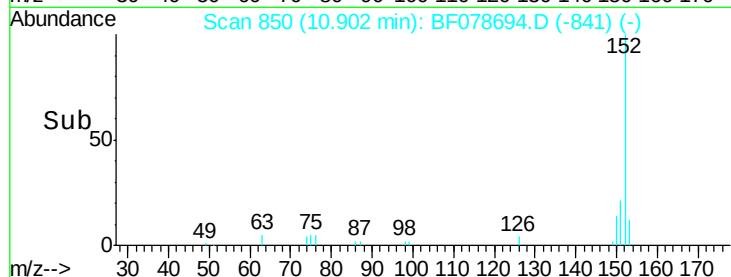
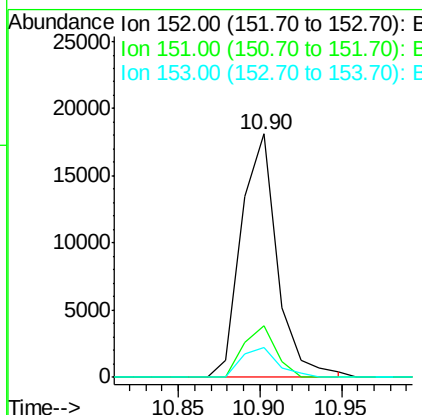
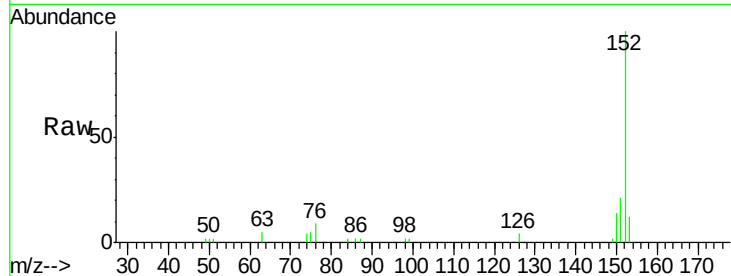
#48
Acenaphthylene
Concen: 3.86 ng
RT: 10.90 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Instrument :
BNA_F
ClientSampleId :
SB-65S

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.4	15.7	23.5
153	12.2	10.2	15.2

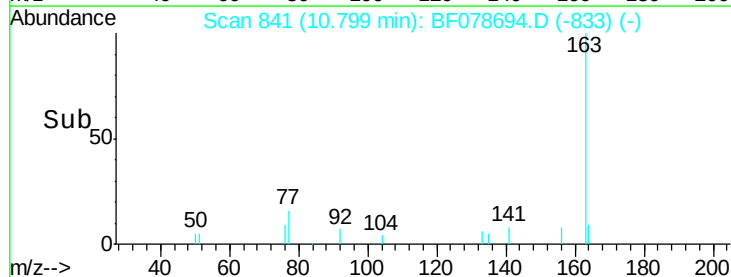
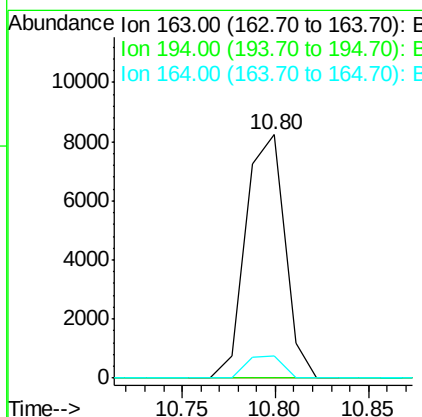
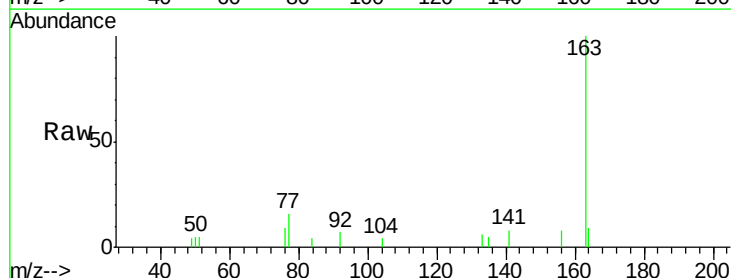
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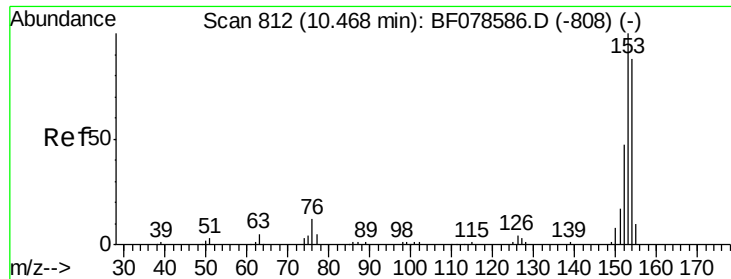
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#49
Dimethylphthalate
Concen: 2.31 ng
RT: 10.80 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.3	3.5#
164	9.2	8.6	13.0





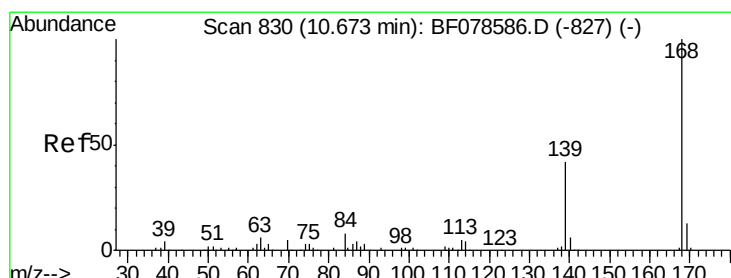
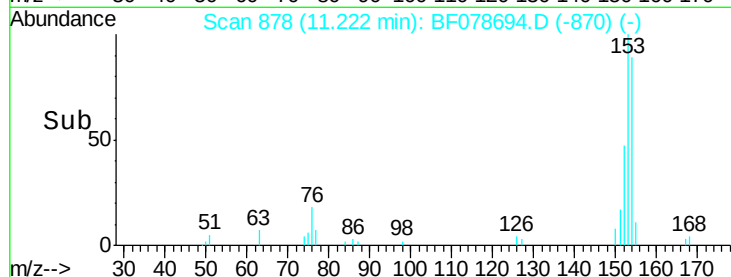
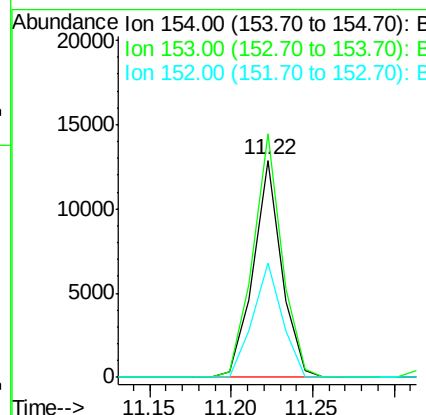
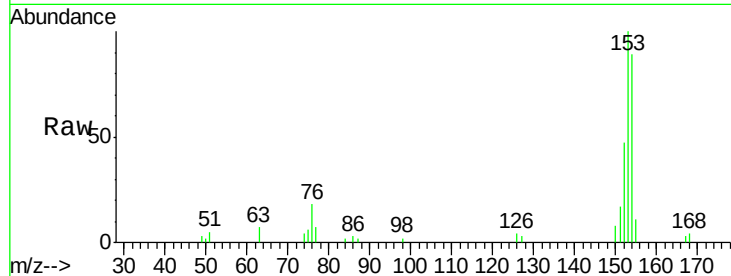
#51
Acenaphthene
Concen: 3.86 ng
RT: 11.22 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Instrument :
BNA_F
ClientSampleId :
SB-65S

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.1	91.4	137.2
152	52.9	43.0	64.6

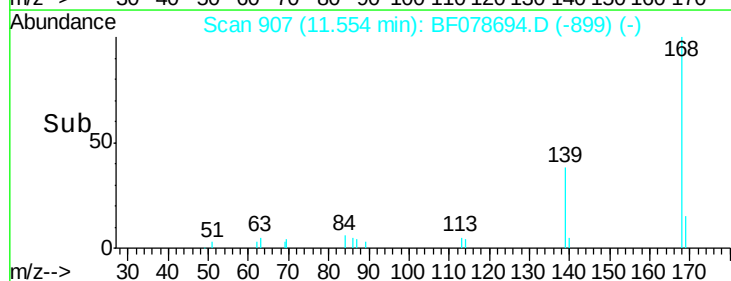
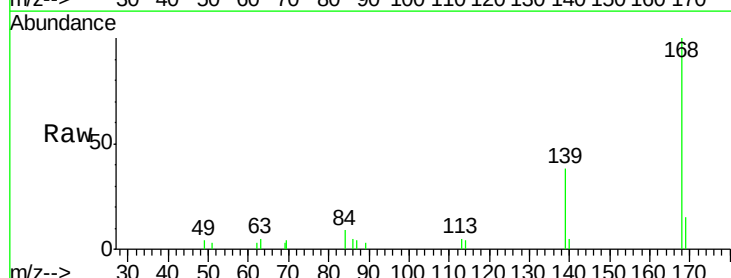
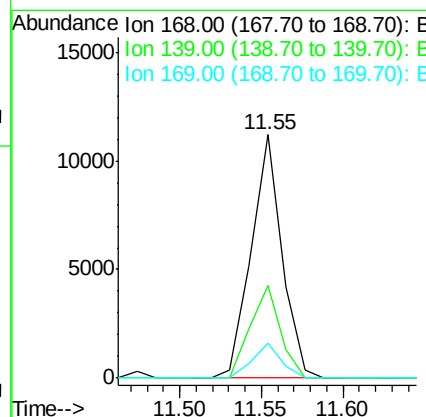
Manual Integrations
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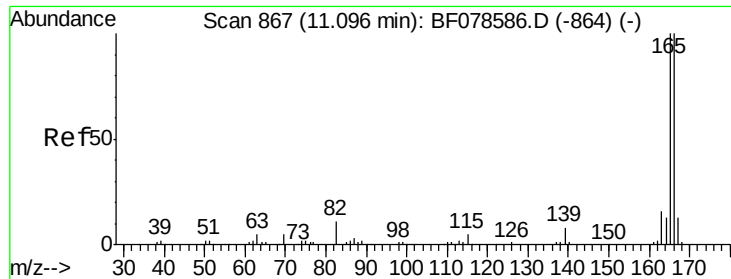
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#54
Dibenzofuran
Concen: 2.38 ng
RT: 11.55 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.1	31.0	46.4
169	14.6	10.7	16.1





#57

Fluorene

Concen: 4.69 ng

RT: 12.18 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Instrument :

BNA_F

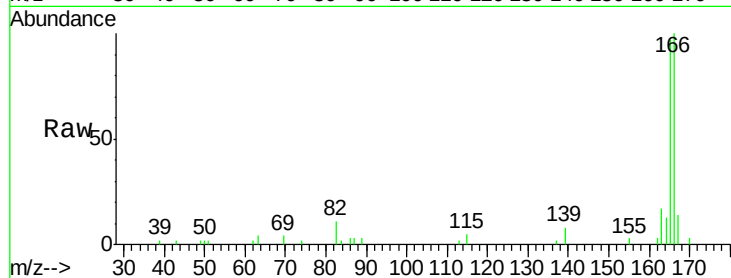
ClientSampleId :

SB-65S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		23426		
165	96.8	78.9	118.3		
167	13.5	10.7	16.1		

Manual Integrations
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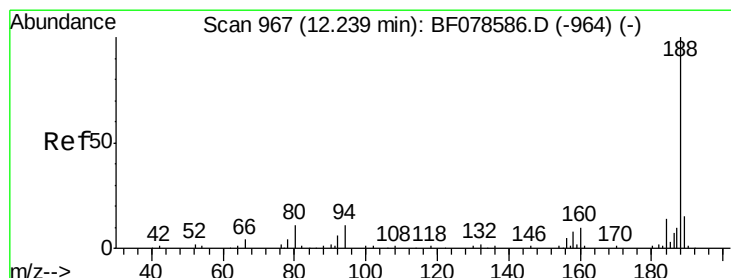
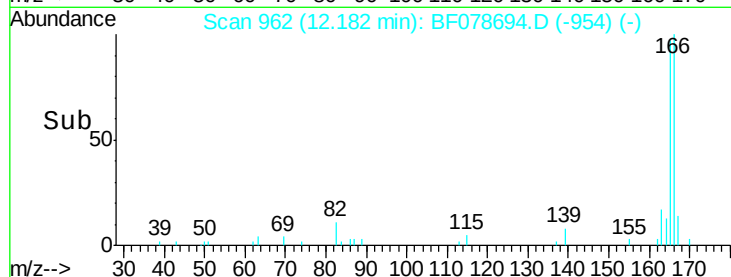
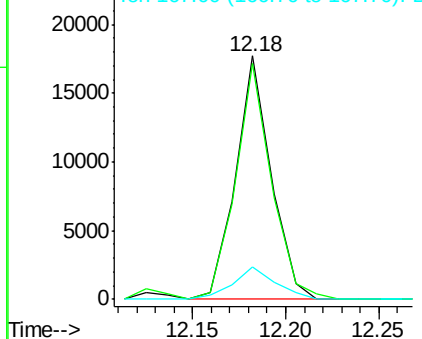
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Abundance Ion 166.00 (165.70 to 166.70): E

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: 13.90 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BF078694.D

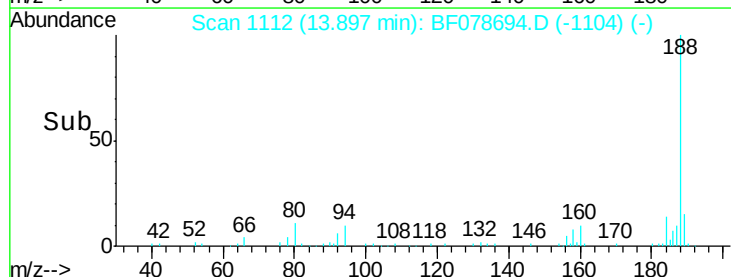
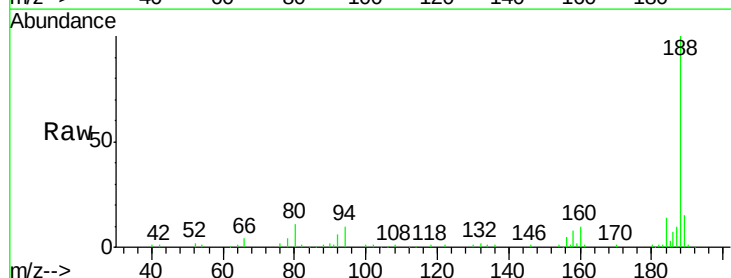
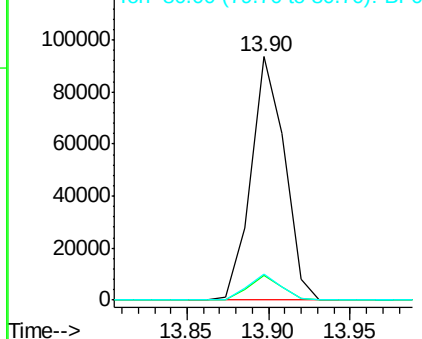
Acq: 21 Apr 2015 20:36

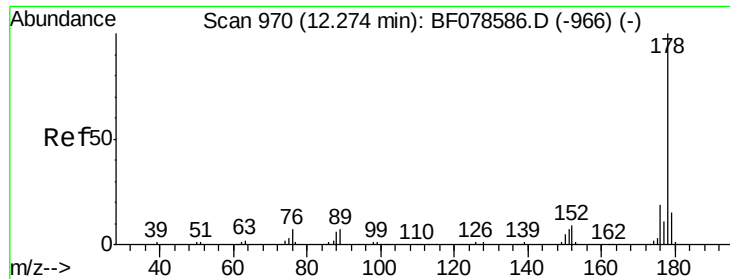
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		134136		
94	10.3	9.0	13.4		
80	10.8	9.5	14.3		

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





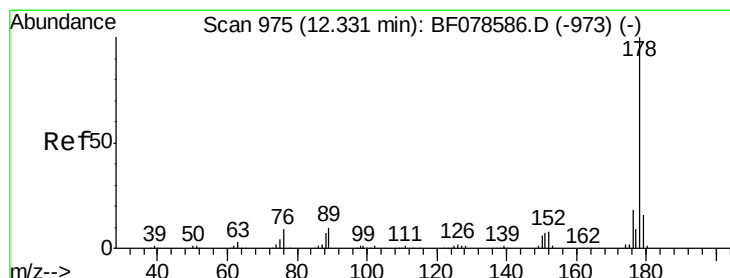
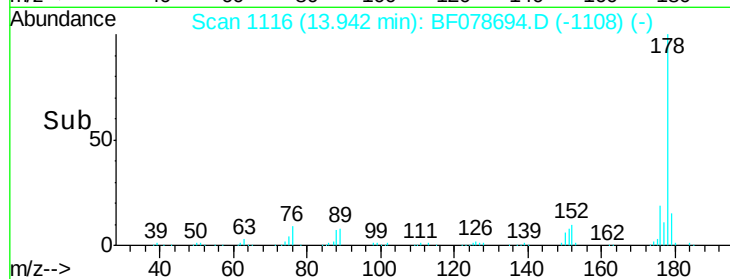
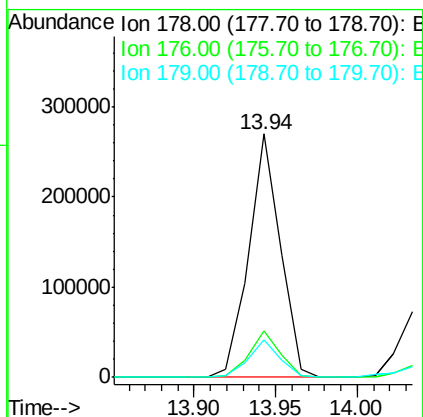
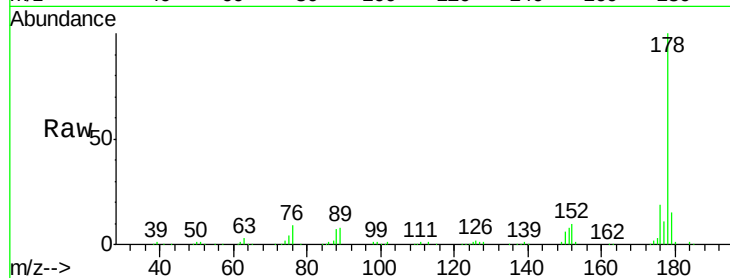
#70
Phenanthrene
Concen: 46.69 ng
RT: 13.94 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Instrument :
BNA_F
ClientSampleId :
SB-65S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.3	12.2	18.2

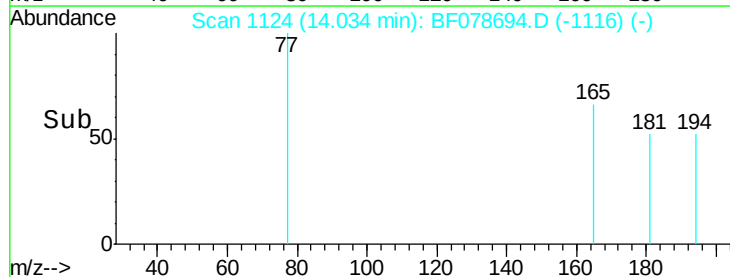
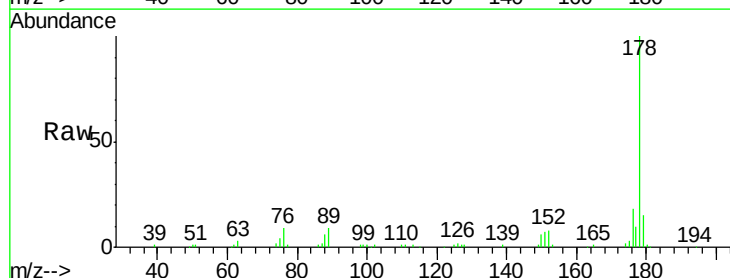
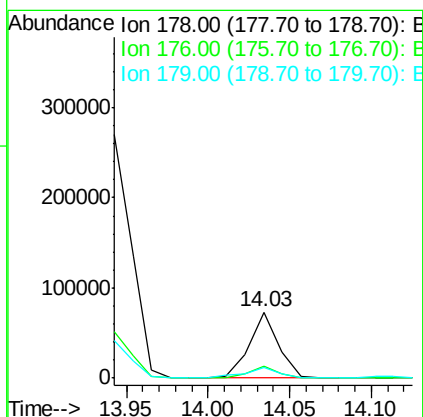
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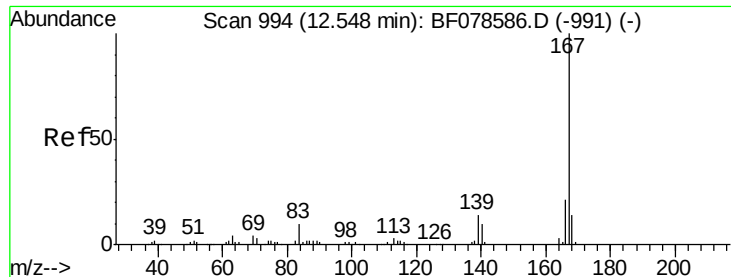
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#71
Anthracene
Concen: 12.12 ng
RT: 14.03 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	15.2	12.4	18.6





#72

Carbazole

Concen: 3.79 ng

RT: 14.37 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Instrument :

BNA_F

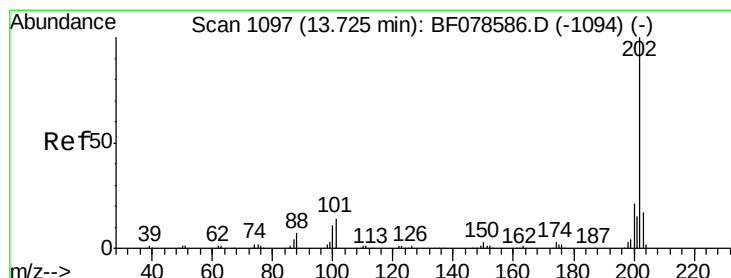
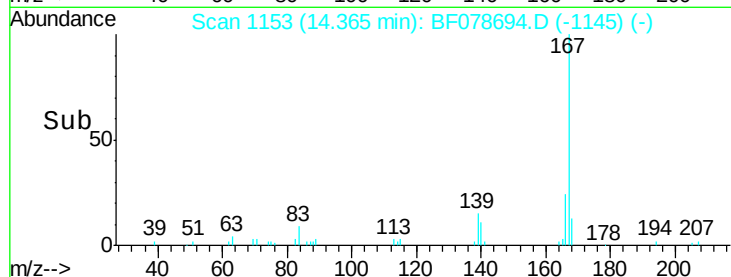
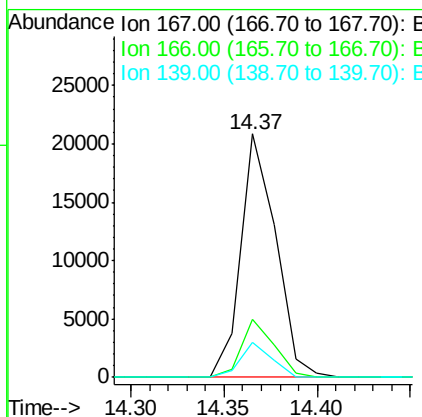
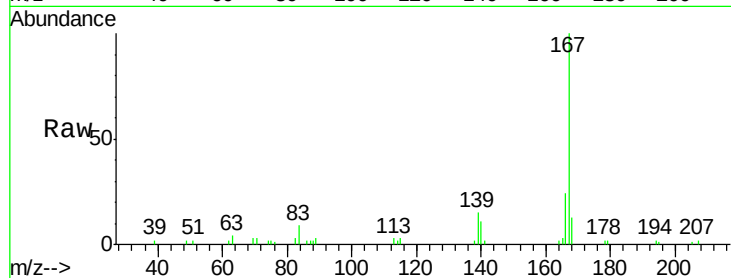
ClientSampleId :

SB-65S

Tot Ion:	167	Resp:	27174
Ion Ratio	Lower	Upper	
167	100		
166	23.6	16.8	25.2
139	14.6	10.0	15.0

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#74

Fluoranthene

Concen: 78.87 ng

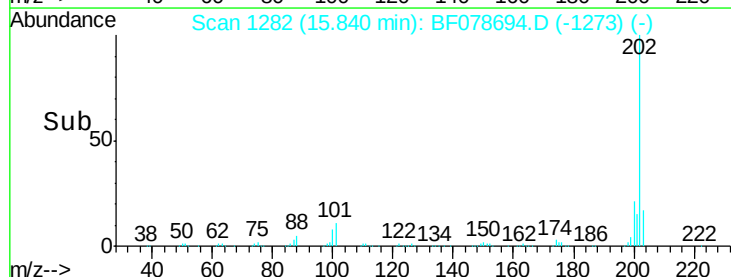
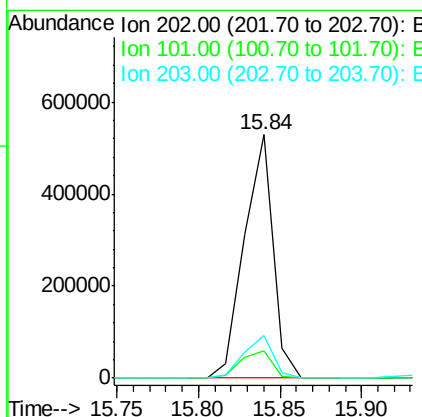
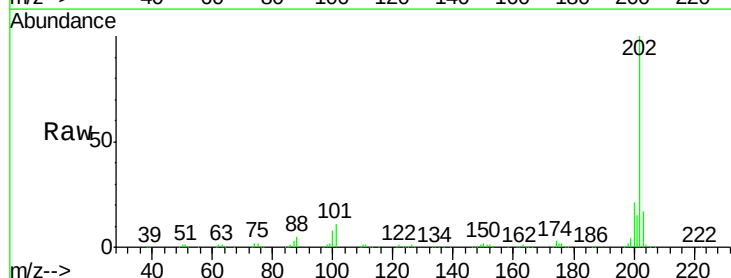
RT: 15.84 min Scan# 1282

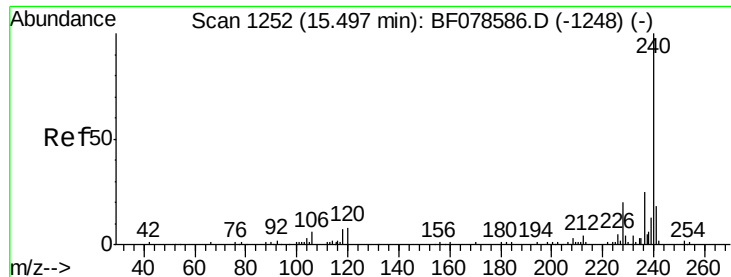
Delta R.T. 0.00 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Tgt Ion:	202	Resp:	645373
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	35.2
203	17.5	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.77 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Instrument :

BNA_F

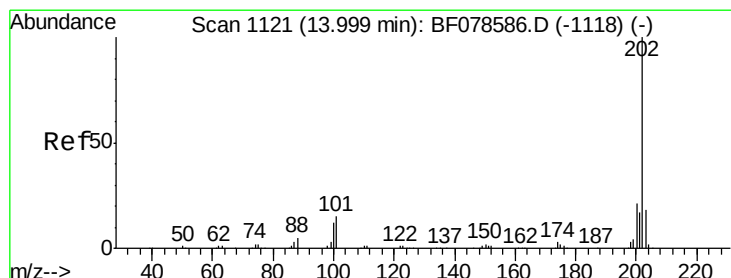
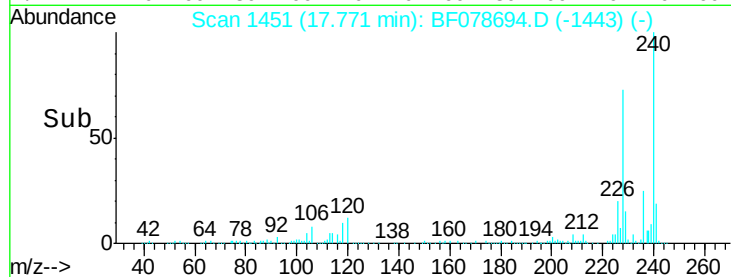
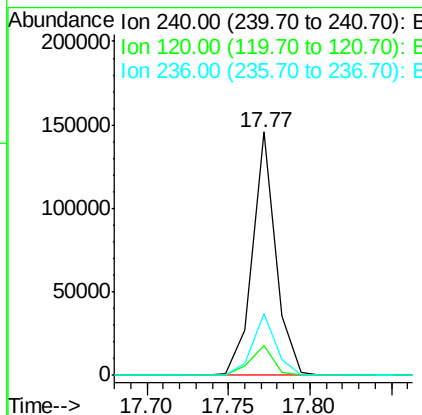
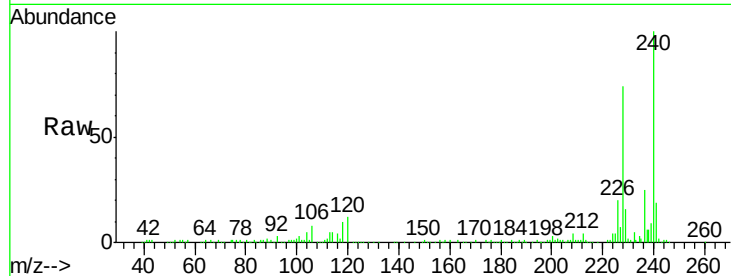
ClientSampleId :

SB-65S

Tot Ion:	240	Resp:	145715
Ion Ratio	Lower	Upper	
240	100		
120	12.1	7.1	10.7#
236	25.3	21.4	32.2

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#77

Pyrene

Concen: 61.97 ng

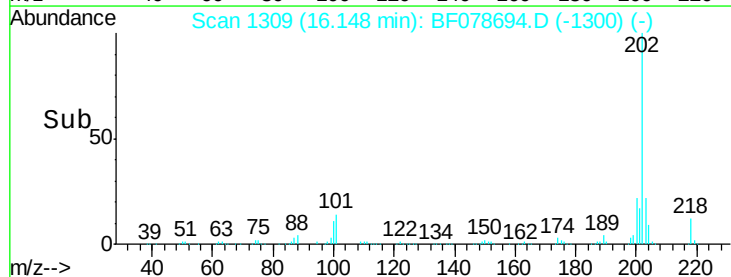
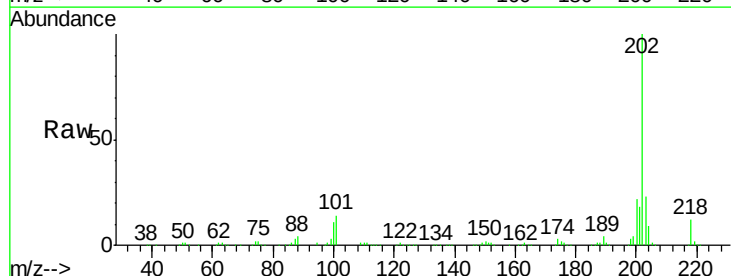
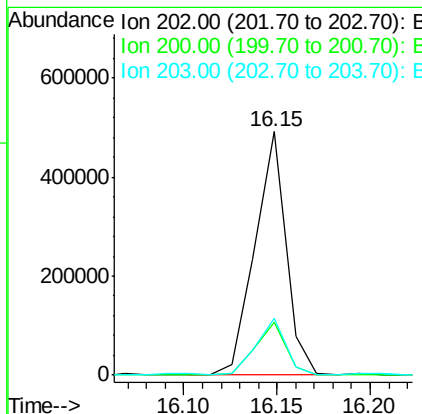
RT: 16.15 min Scan# 1309

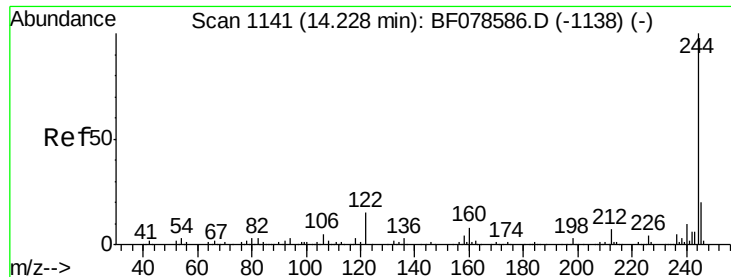
Delta R.T. 0.00 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Tgt Ion:	202	Resp:	566827
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.3	24.5
203	23.3	13.8	20.6#





#78

Terphenyl-d14

Concen: 50.84 ng

RT: 16.43 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Instrument :

BNA_F

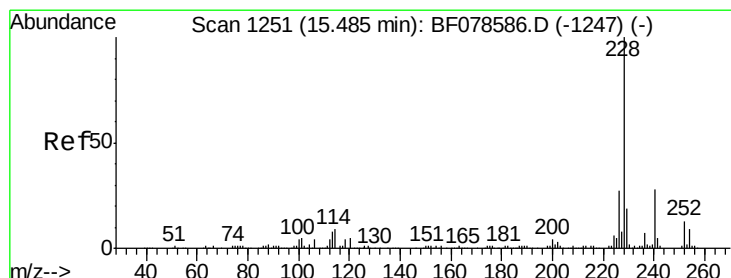
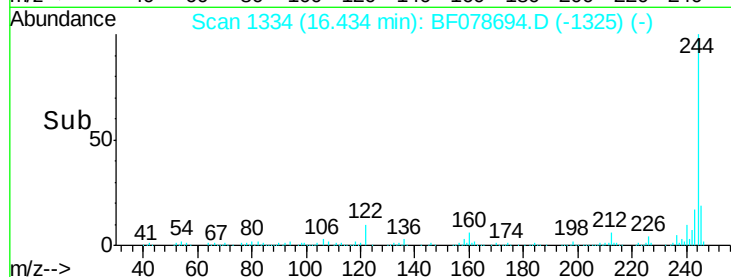
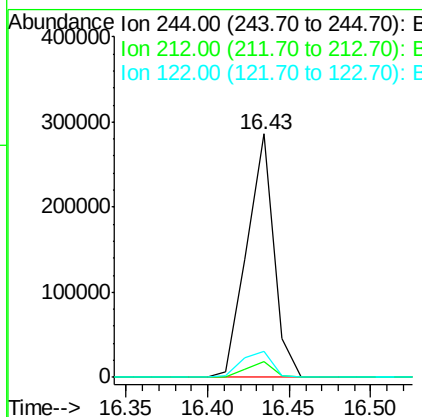
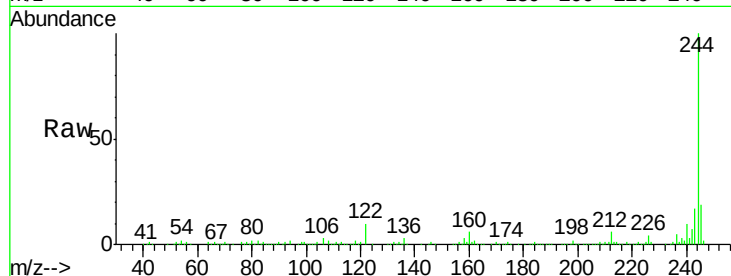
ClientSampleId :

SB-65S

Tot Ion:	244	Resp:	327876
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.0	7.4
122	10.5	7.1	10.7

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#80

Benzo(a)anthracene

Concen: 41.61 ng

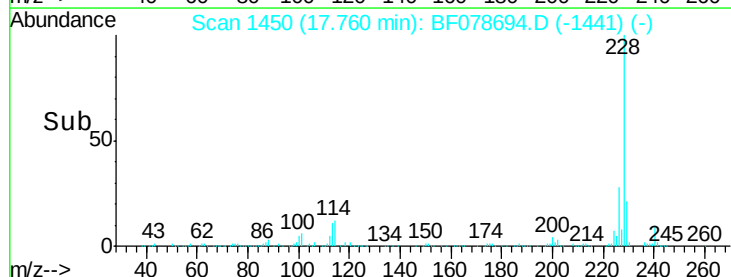
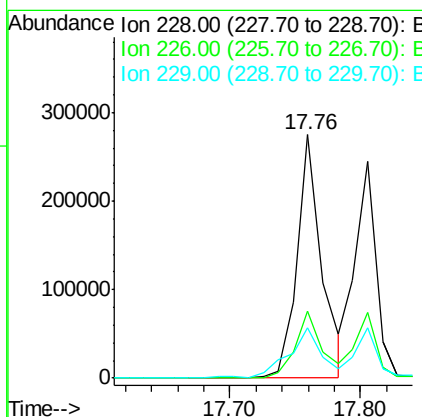
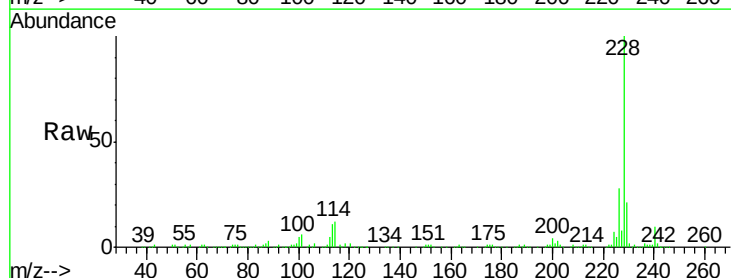
RT: 17.76 min Scan# 1450

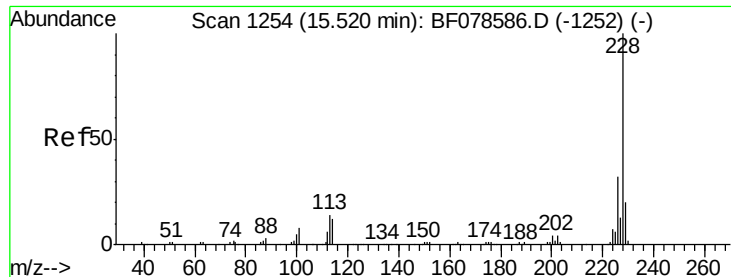
Delta R.T. 0.00 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Tgt Ion:	228	Resp:	360787
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.3	31.9
229	20.8	15.4	23.2





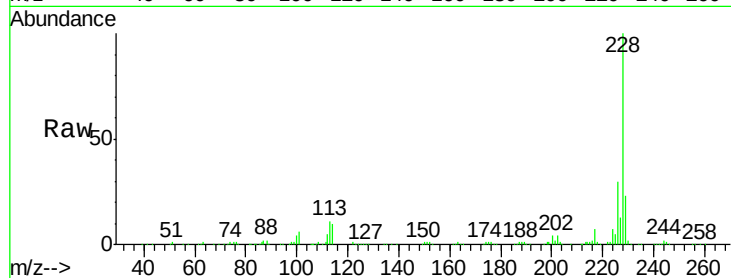
#82
Chrysene
Concen: 33.46 ng
RT: 17.81 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Instrument :
BNA_F
ClientSampleId :
SB-65S

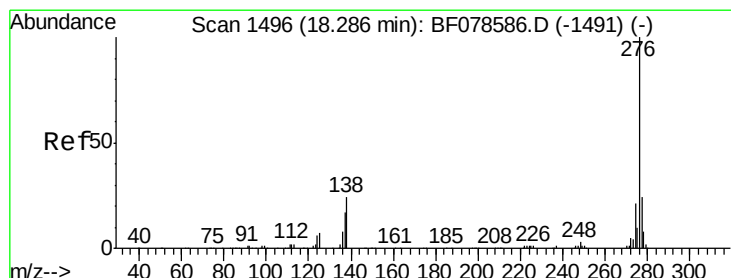
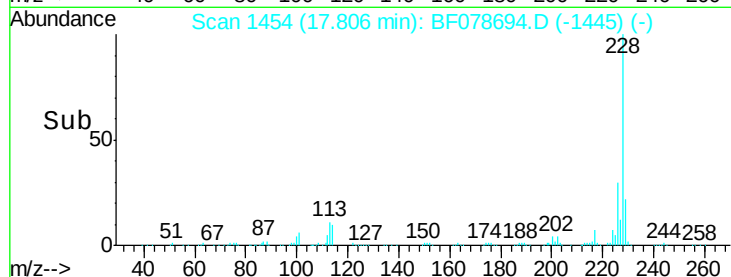
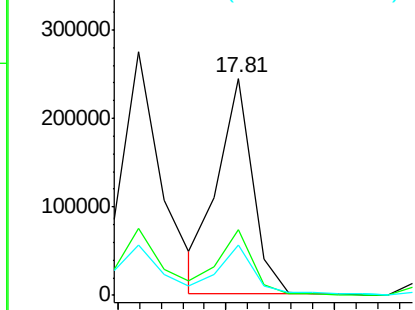
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.4
229	22.9	15.8	23.8

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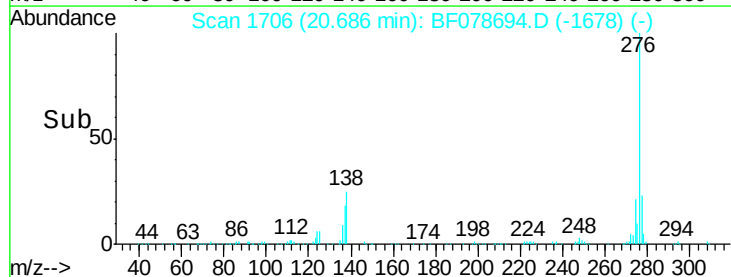
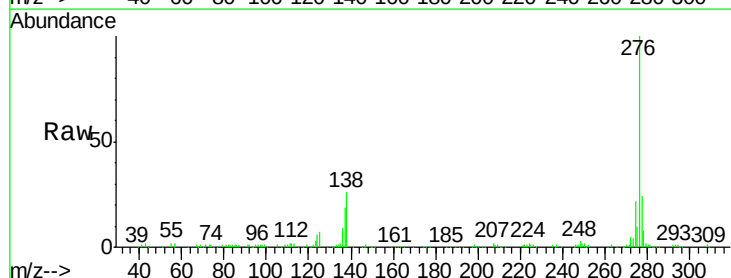
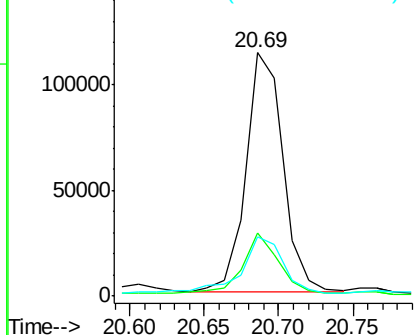
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

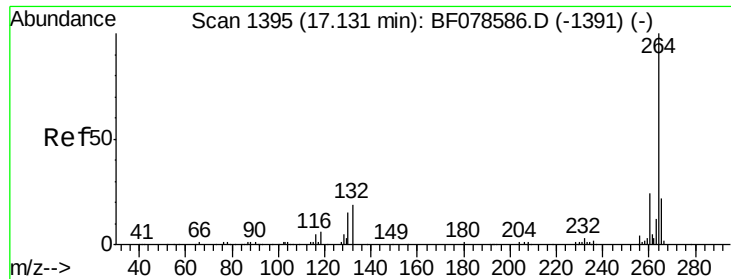


#85
Indeno(1,2,3-cd)pyrene
Concen: 21.21 ng m
RT: 20.69 min Scan# 1706
Delta R.T. 0.02 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.2	16.9	25.3#
277	5.2	15.8	23.6#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 19.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Instrument :

BNA_F

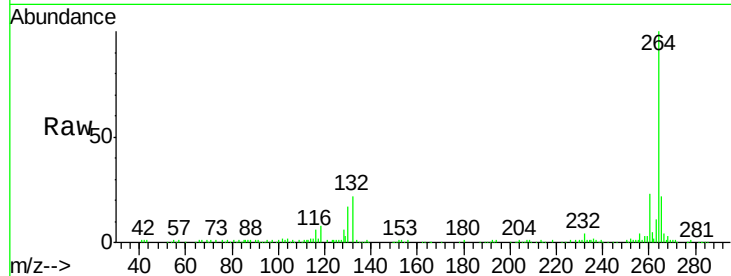
ClientSampled :

SB-65S

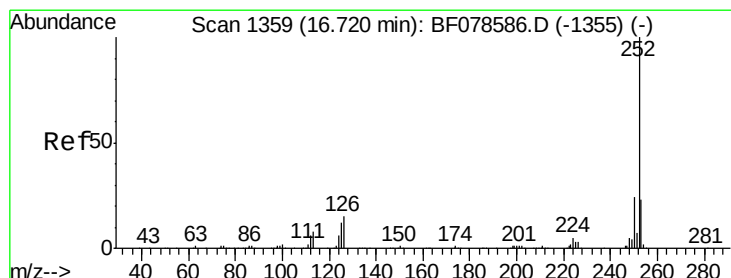
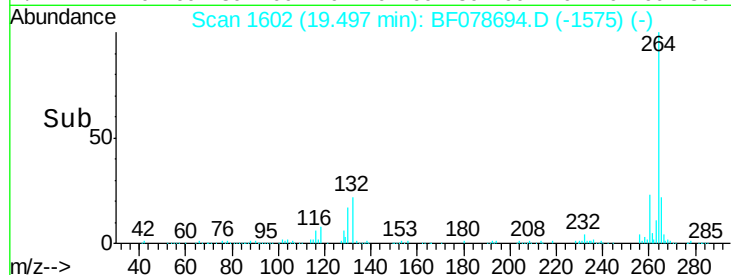
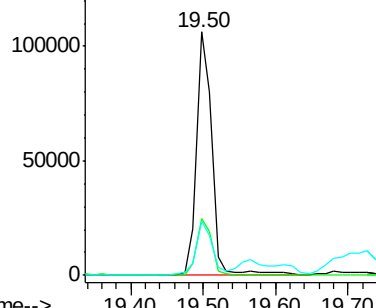
Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.4	18.6	27.8		
265	22.2	17.0	25.6		

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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: 42.96 ng m

RT: 19.07 min Scan# 1565

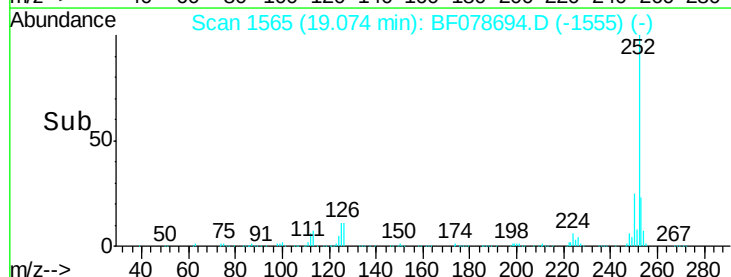
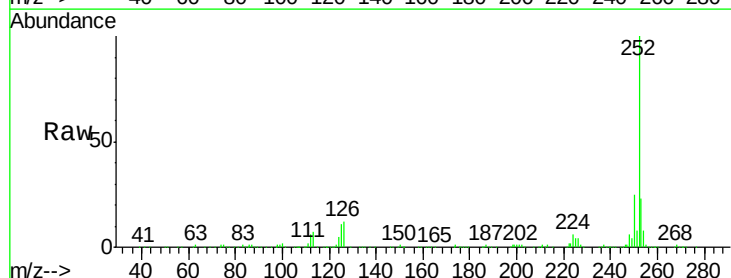
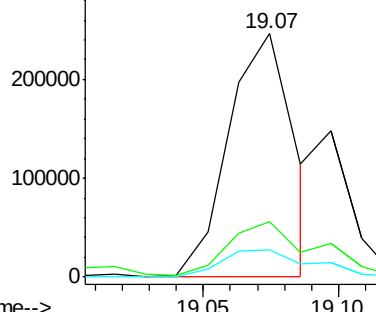
Delta R.T. 0.01 min

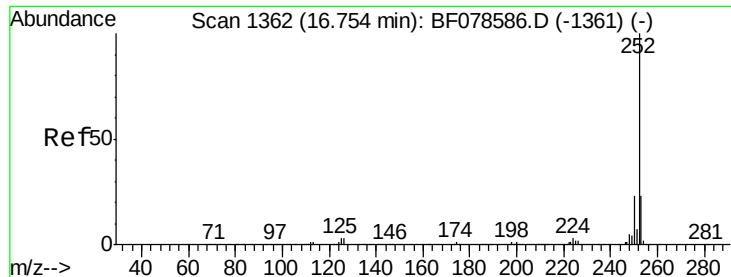
Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.8	17.2	25.8		
125	11.1	7.0	10.4#		

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





#88

Benzo(k)fluoranthene

Concen: 15.46 ng m

RT: 19.10 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Instrument :

BNA_F

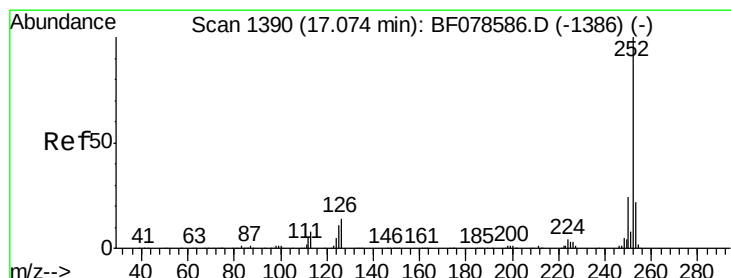
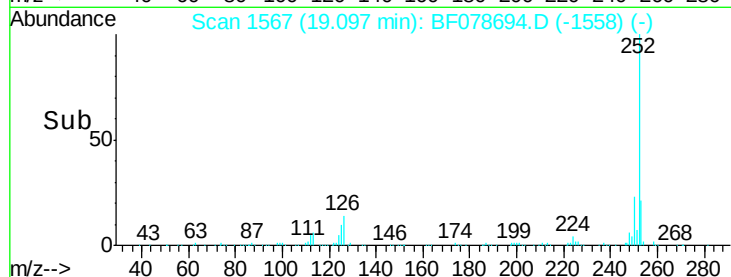
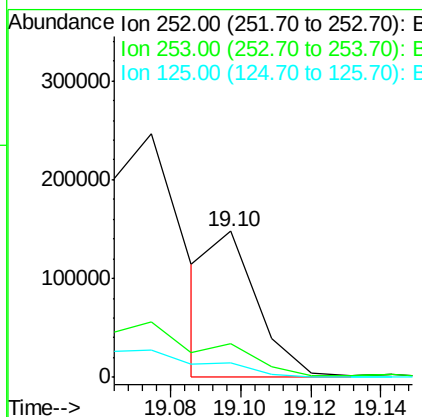
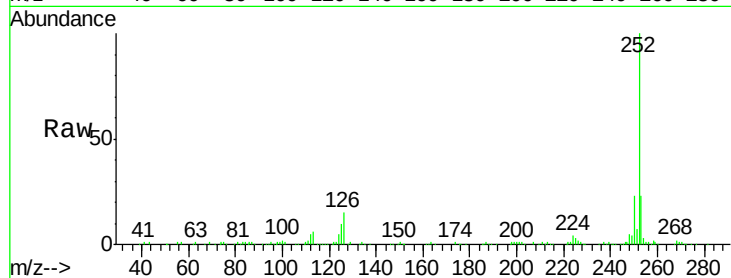
ClientSampleId :

SB-65S

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	10.1	11.6	17.4

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#89

Benzo(a)pyrene

Concen: 35.88 ng

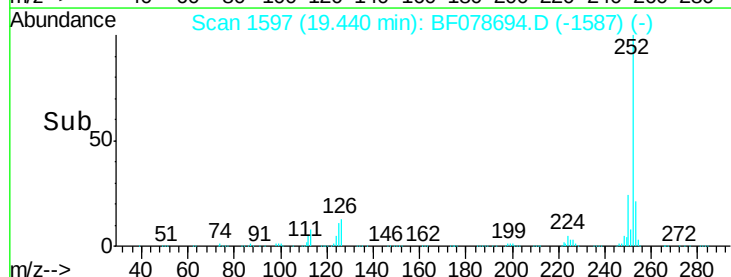
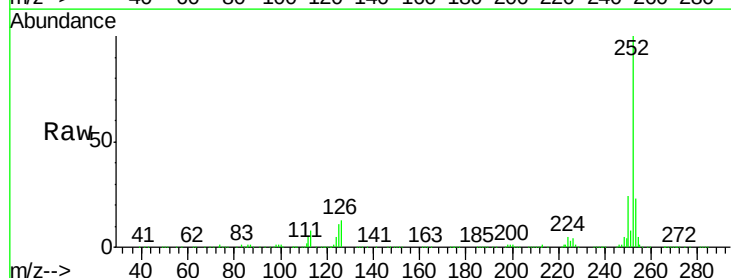
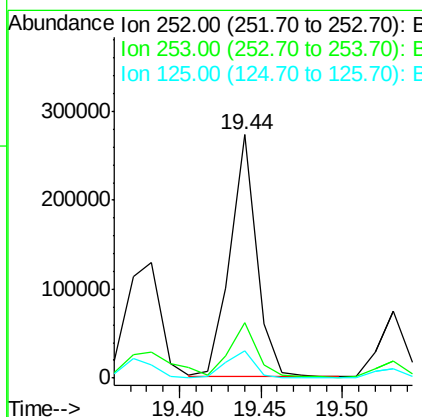
RT: 19.44 min Scan# 1597

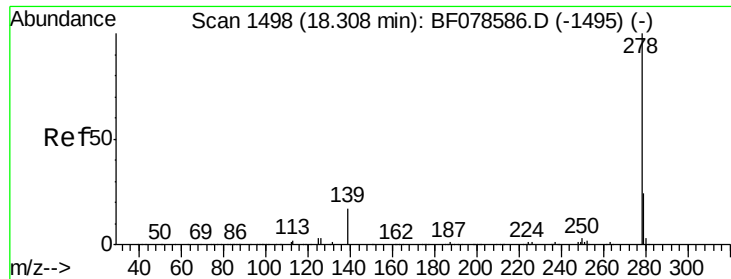
Delta R.T. 0.01 min

Lab File: BF078694.D

Acq: 21 Apr 2015 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.8	25.2
125	11.0	7.4	11.0





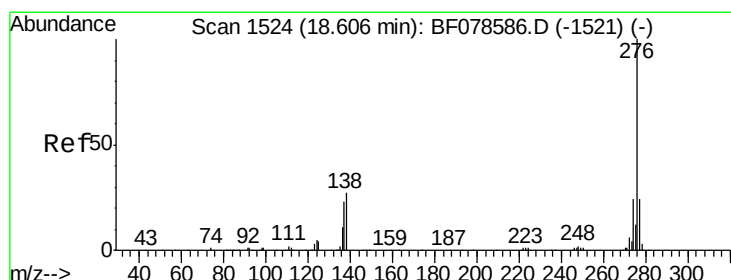
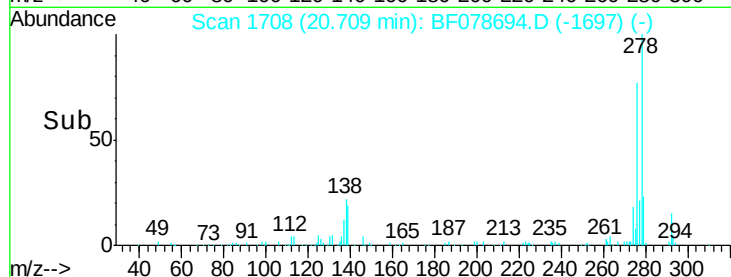
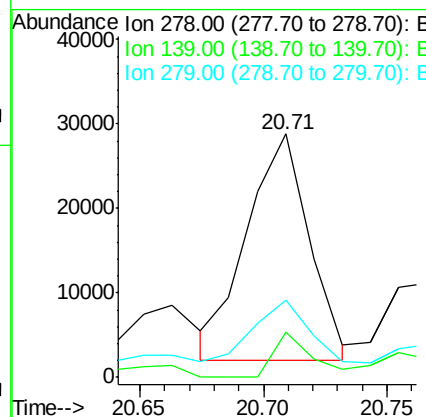
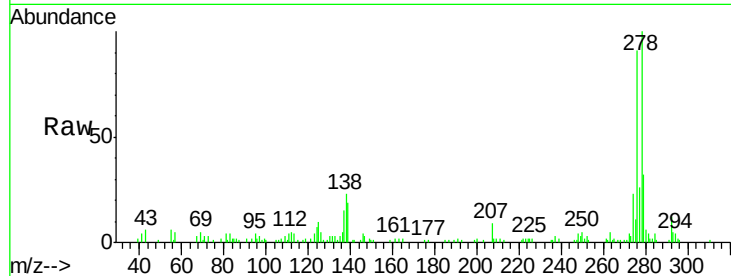
#90
Dibenzo(a,h)anthracene
Concen: 5.55 ng m
RT: 20.71 min Scan# 1708
Delta R.T. 0.02 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Instrument :
BNA_F
ClientSampleId :
SB-65S

Tot Ion:	278	Resp:	46926
Ion Ratio	Lower	Upper	
278	100		
139	18.5	13.6	20.4
279	31.8	19.0	28.6#

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#91
Benzo(g,h,i)perylene
Concen: 21.13 ng
RT: 21.01 min Scan# 1734
Delta R.T. 0.02 min
Lab File: BF078694.D
Acq: 21 Apr 2015 20:36

Tgt Ion:	276	Resp:	179248
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.0	28.4
138	25.0	19.9	29.9

