

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
 Data File : BF078708.D
 Acq On : 22 Apr 2015 6:07
 Operator : TP/IZ
 Sample : G1891-12DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-69SDL

Manual Integrations
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Quant Time: Apr 22 06:54:32 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 05:03:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	31710	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	134294	20.00	ng	-0.01
38) Acenaphthene-d10	11.16	164	68750	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	133832	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	147002	20.00	ng	0.00
86) Perylene-d12	19.46	264	151024	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	36002	18.72	ng	0.00
7) Phenol-d6	5.32	99	47542	19.72	ng	0.00
23) Nitrobenzene-d5	6.75	82	27123	12.24	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	11157	19.57	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	62620	13.02	ng	-0.01
78) Terphenyl-d14	16.43	244	73910	11.36	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	11.22	154	14451	3.59	ng	97
54) Dibenzofuran	11.55	168	14229	2.32	ng	96
57) Fluorene	12.18	166	16710	3.36	ng	99
70) Phenanthrene	13.94	178	208071	26.88	ng	99
71) Anthracene	14.03	178	48192	6.32	ng	99
72) Carbazole	14.37	167	16503	2.31	ng	97
74) Fluoranthene	15.83	202	237659	29.11	ng	98
77) Pyrene	16.14	202	220206	23.86	ng	96
80) Benzo(a)anthracene	17.76	228	102972	11.77	ng	98
82) Chrysene	17.79	228	93166	11.34	ng	98
85) Indeno(1,2,3-cd)pyrene	20.63	276	53988	5.79	ng	# 83
87) Benzo(b)fluoranthene	19.04	252	123875m	13.27	ng	
88) Benzo(k)fluoranthene	19.07	252	28027m	3.38	ng	
89) Benzo(a)pyrene	19.41	252	88790	10.90	ng	96
91) Benzo(a,h,i)perylene	20.94	276	51373	6.28	ng	97

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

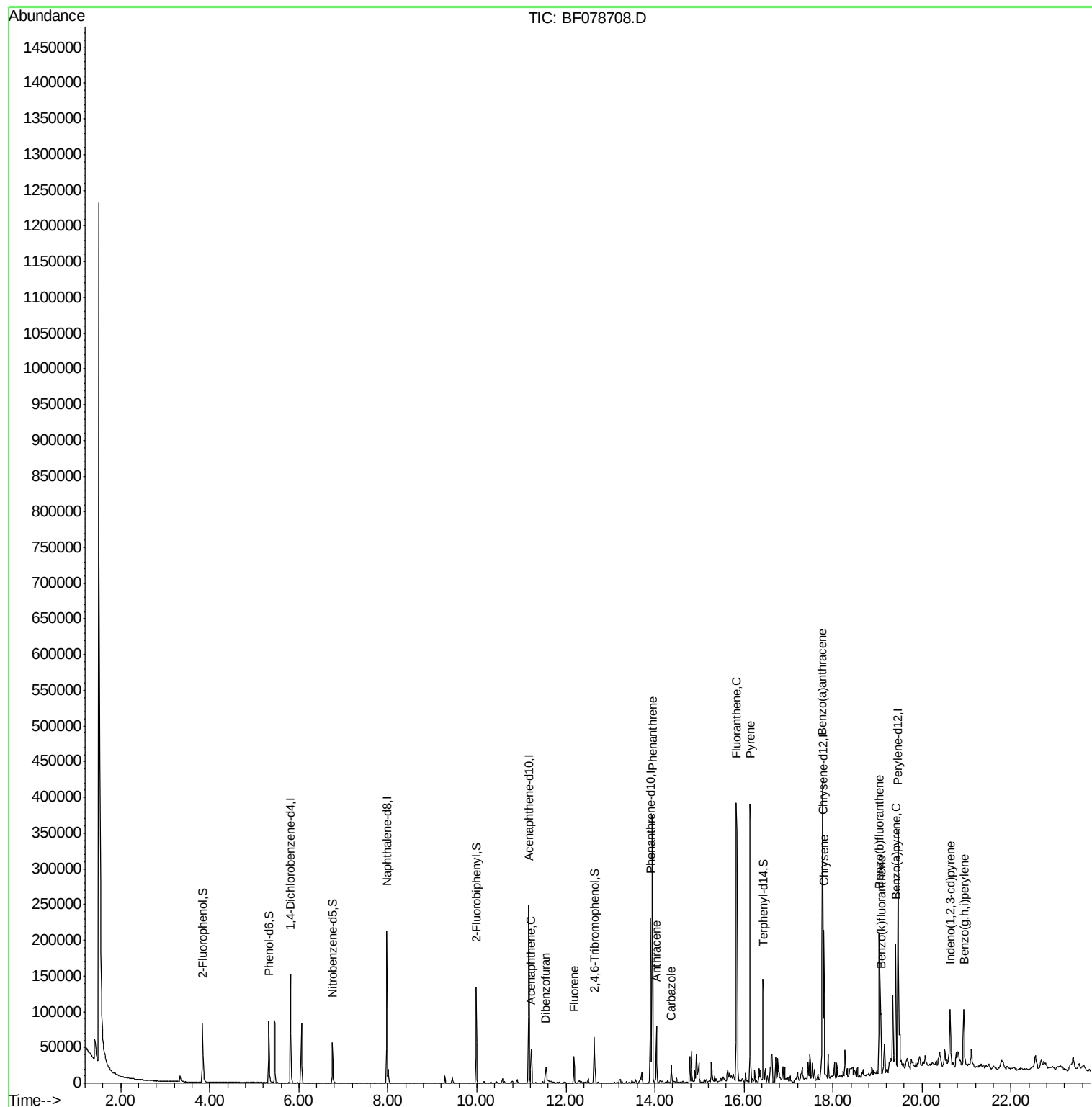
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
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ALS Vial : 23 Sample Multiplier: 1

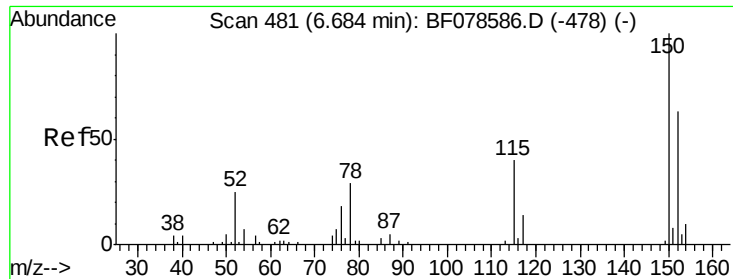
Instrument :
BNA_F
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#1

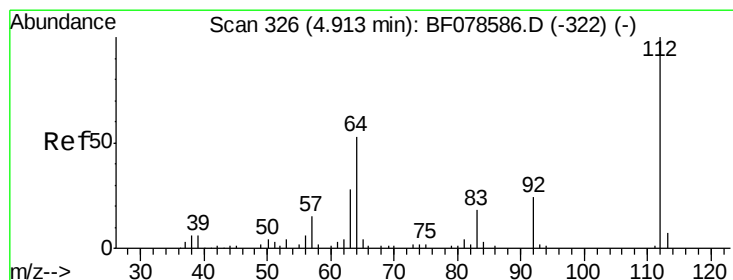
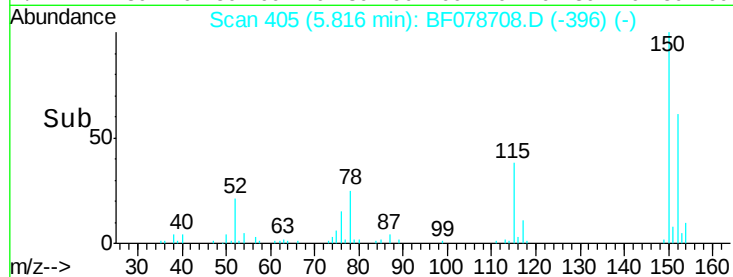
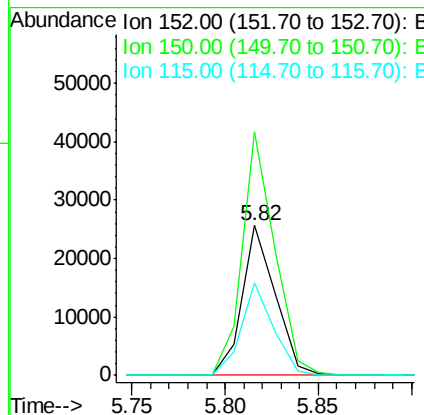
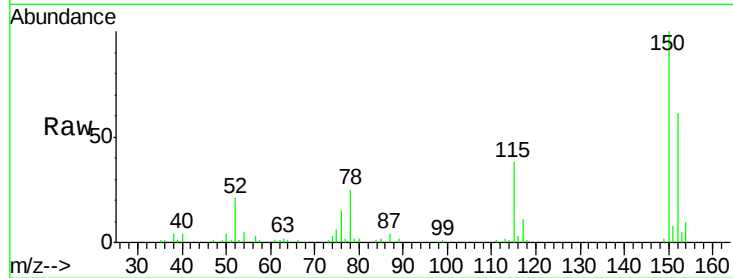
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF078708.D
Acq: 22 Apr 2015 6:07

Instrument :
BNA_F
ClientSampleId :
SB-69SDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.8	125.9	188.9
115	62.3	52.7	79.1

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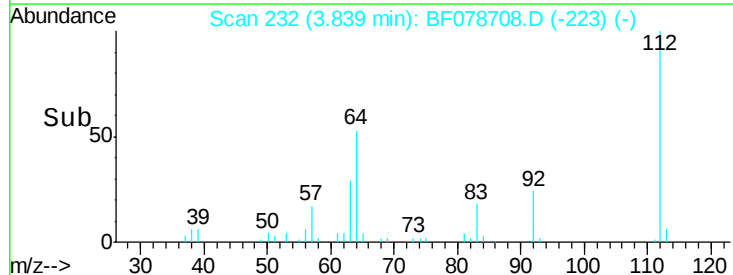
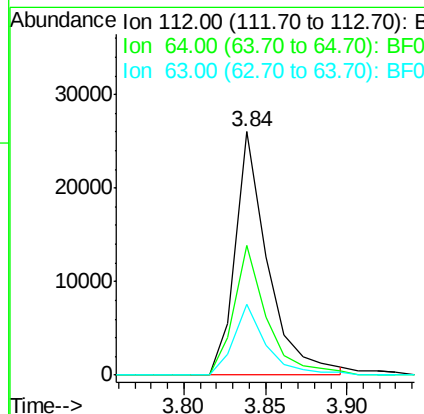
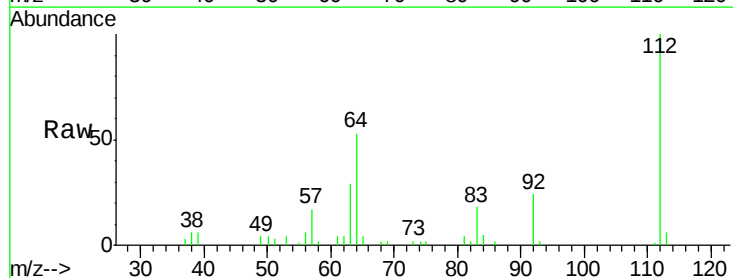
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#5

2-Fluorophenol
Concen: 18.72 ng
RT: 3.84 min Scan# 232
Delta R.T. 0.00 min
Lab File: BF078708.D
Acq: 22 Apr 2015 6:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	39.9	59.9
63	28.9	20.2	30.4





#7

Phenol-d6

Concen: 19.72 ng

RT: 5.32 min Scan# 362

Delta R.T. 0.00 min

Lab File: BF078708.D

Acq: 22 Apr 2015 6:07

Instrument :

BNA_F

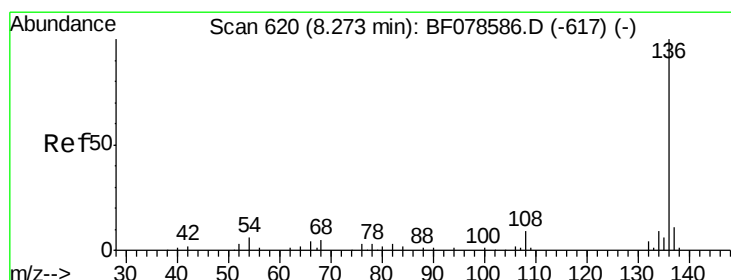
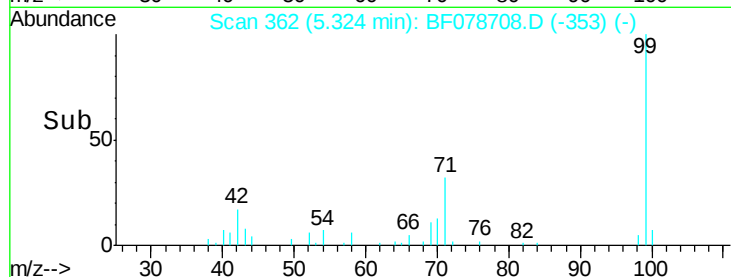
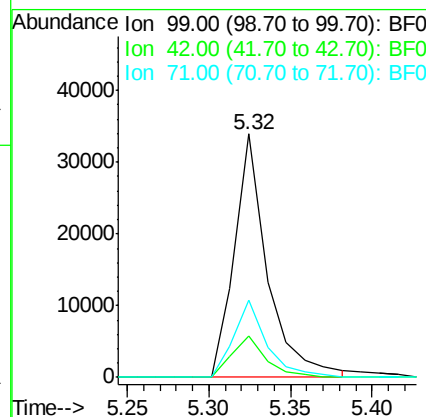
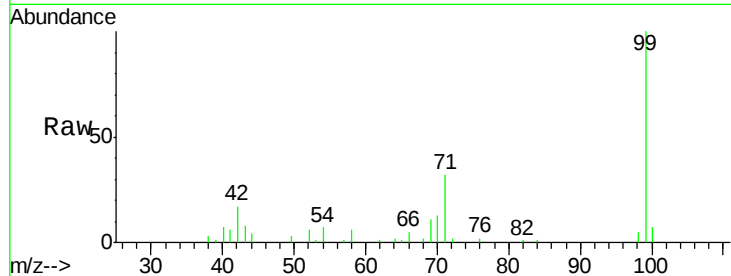
ClientSampleId :

SB-69SDL

Tot Ion:	99	Resp:	47542
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.8	22.2
71	31.5	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

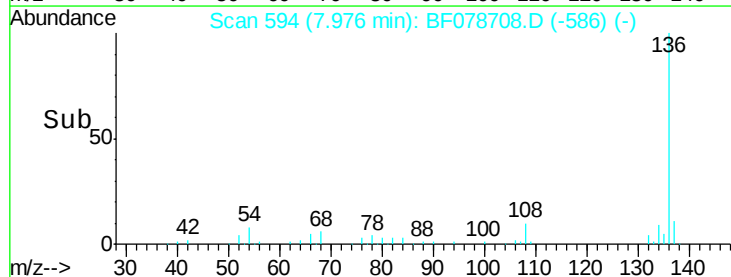
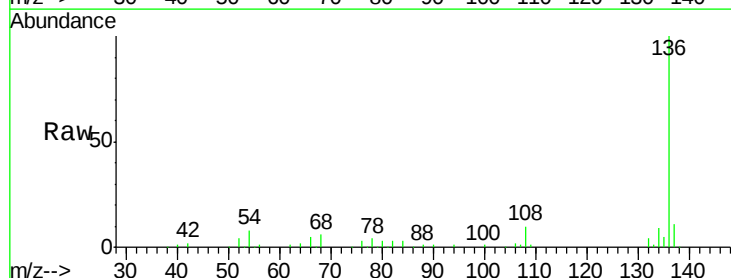
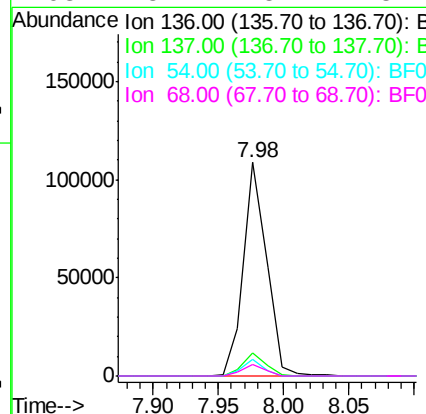
RT: 7.98 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF078708.D

Acq: 22 Apr 2015 6:07

Tgt Ion:	136	Resp:	134294
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	7.6	7.0	10.6
68	5.7	5.4	8.2





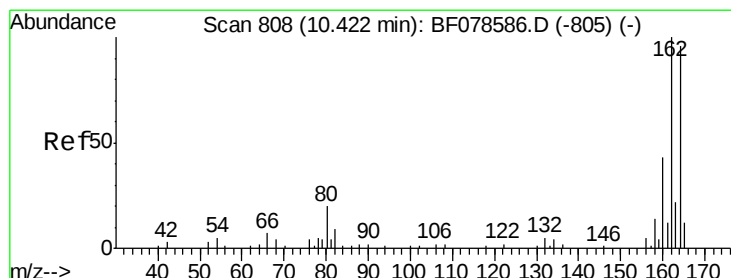
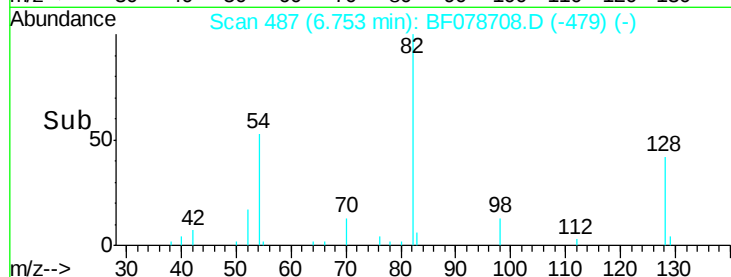
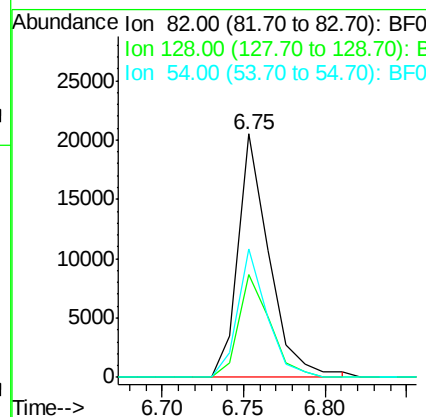
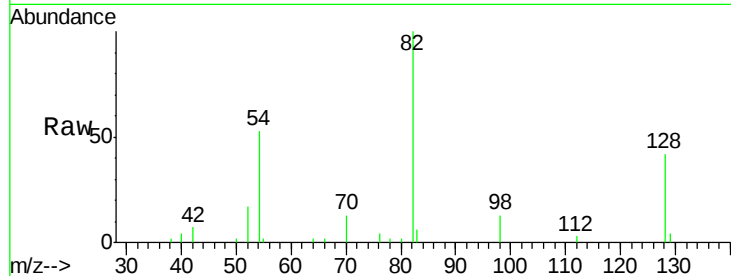
#23
 Nitrobenzene-d5
 Concen: 12.24 ng
 RT: 6.75 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BF078708.D
 Acq: 22 Apr 2015 6:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-69SDL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	27123		
128	42.2		31.8	47.8
54	52.6		41.5	62.3

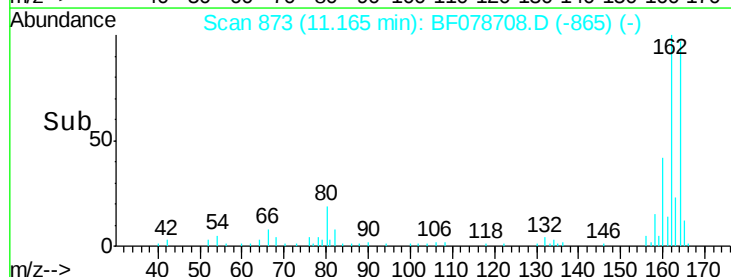
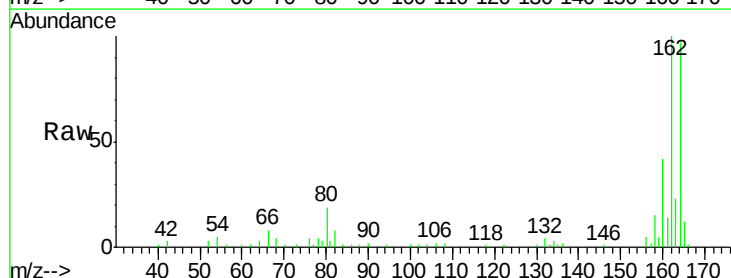
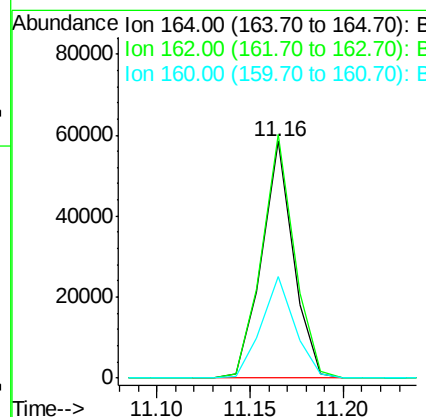
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078708.D
 Acq: 22 Apr 2015 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68750		
162	102.8		82.2	123.2
160	43.0		34.7	52.1





#41

2,4,6-Tribromophenol

Concen: 19.57 ng

RT: 12.64 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF078708.D

Acq: 22 Apr 2015 6:07

Instrument :

BNA_F

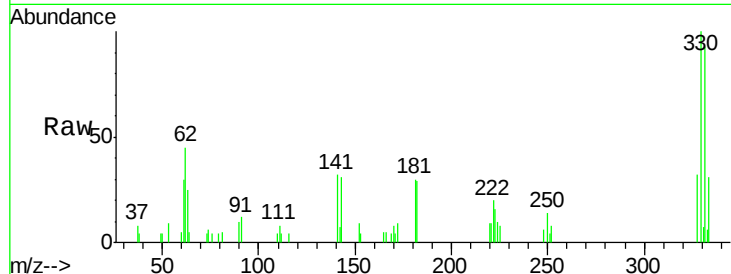
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SB-69SDL

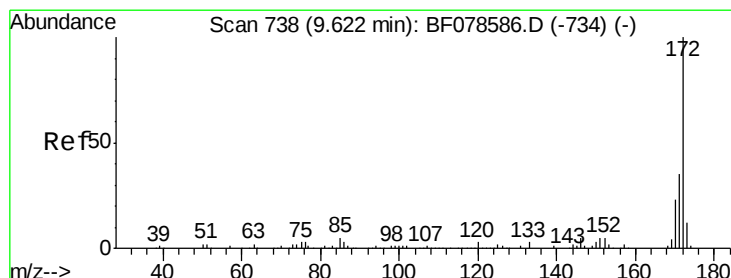
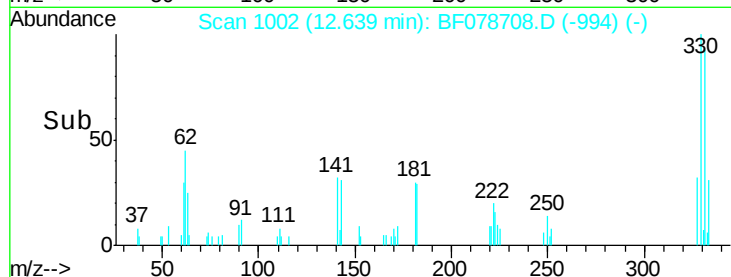
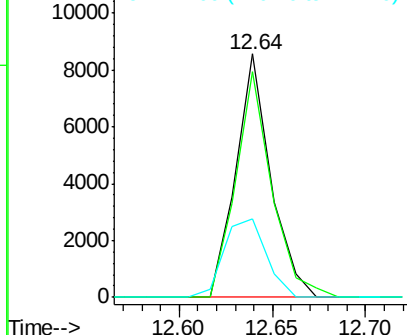
Tot Ion:	330	Resp:	11157
Ion Ratio	Lower	Upper	
330	100		
332	95.7	78.6	117.8
141	39.1	31.2	46.8

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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: 13.02 ng

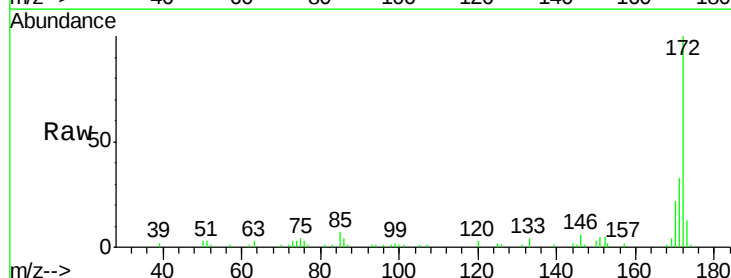
RT: 9.99 min Scan# 770

Delta R.T. -0.01 min

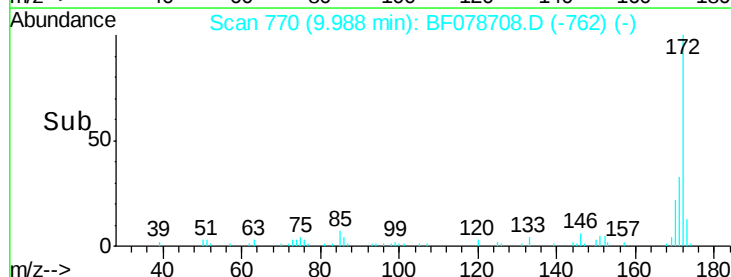
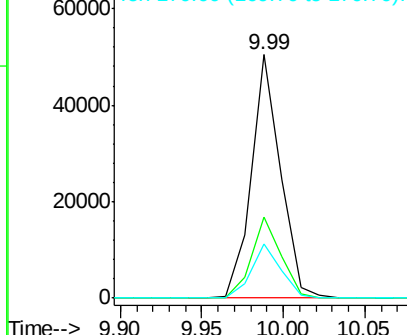
Lab File: BF078708.D

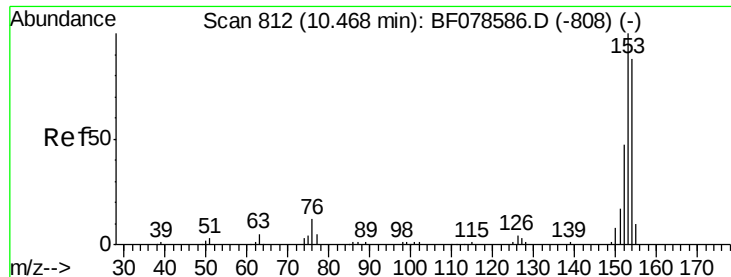
Acq: 22 Apr 2015 6:07

Tgt Ion:	172	Resp:	62620
Ion Ratio	Lower	Upper	
172	100		
171	33.3	28.6	42.8
170	22.4	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





#51

Acenaphthene

Concen: 3.59 ng

RT: 11.22 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF078708.D

Acq: 22 Apr 2015 6:07

Instrument :

BNA_F

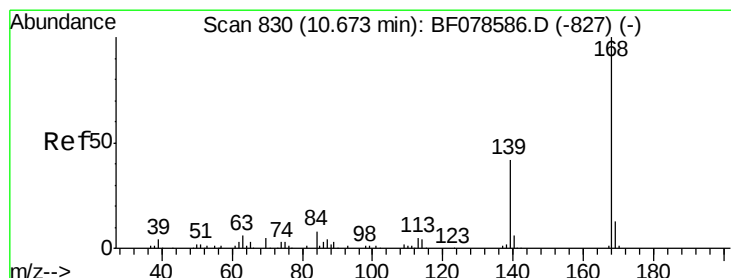
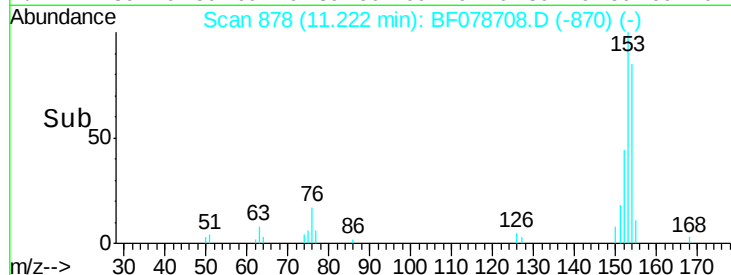
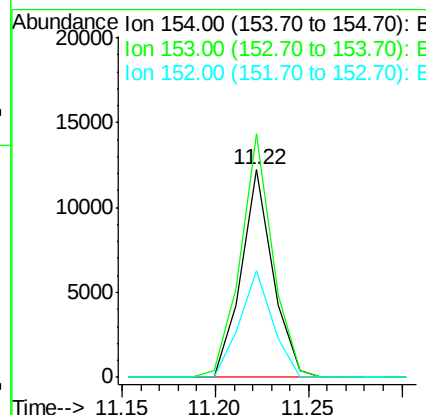
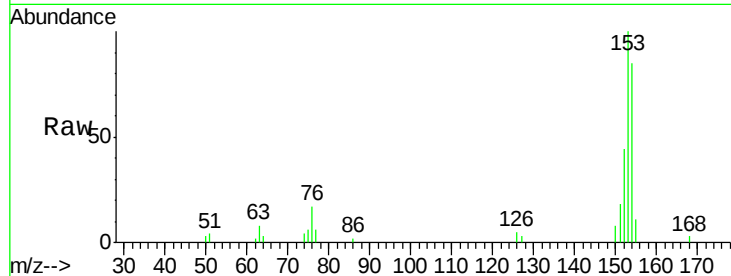
ClientSampleId :

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Tot Ion:	154	Resp:	14451
Ion Ratio	Lower	Upper	
154	100		
153	117.3	91.4	137.2
152	51.6	43.0	64.6

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#54

Dibenzofuran

Concen: 2.32 ng

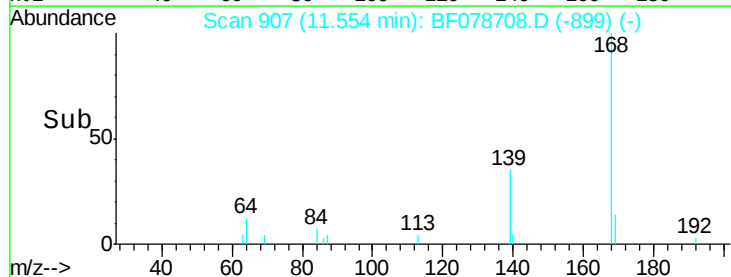
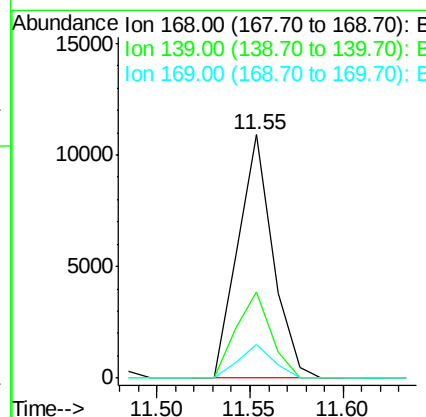
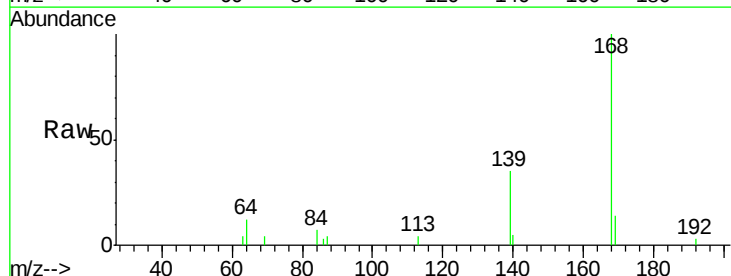
RT: 11.55 min Scan# 907

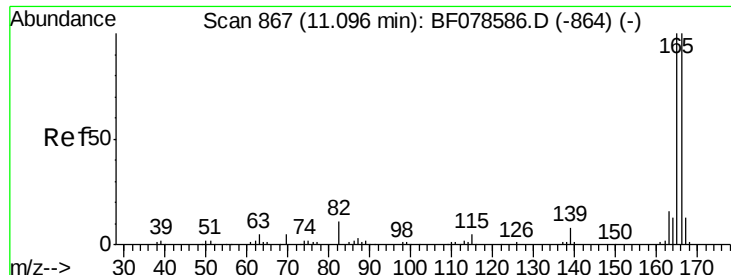
Delta R.T. -0.01 min

Lab File: BF078708.D

Acq: 22 Apr 2015 6:07

Tgt Ion:	168	Resp:	14229
Ion Ratio	Lower	Upper	
168	100		
139	35.3	31.0	46.4
169	13.8	10.7	16.1





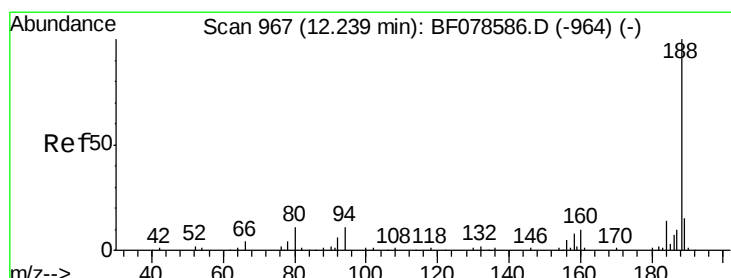
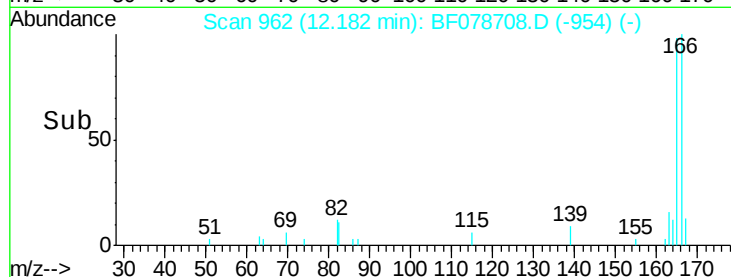
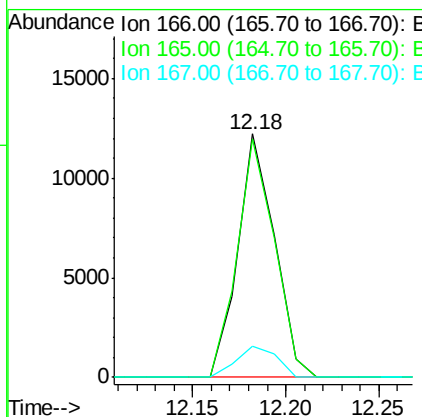
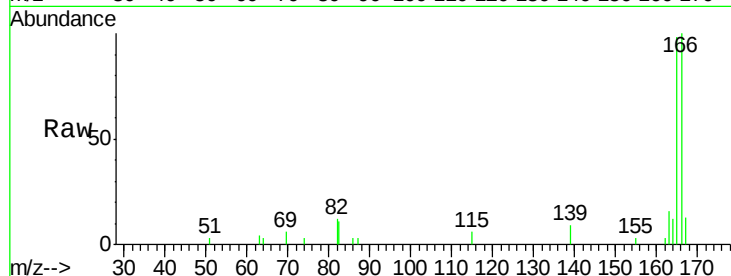
#57
Fluorene
 Concen: 3.36 ng
 RT: 12.18 min Scan# 962
 Delta R.T. -0.01 min
 Lab File: BF078708.D
 Acq: 22 Apr 2015 6:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-69SDL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	16710		
165	98.0	78.9	118.3	
167	12.9	10.7	16.1	

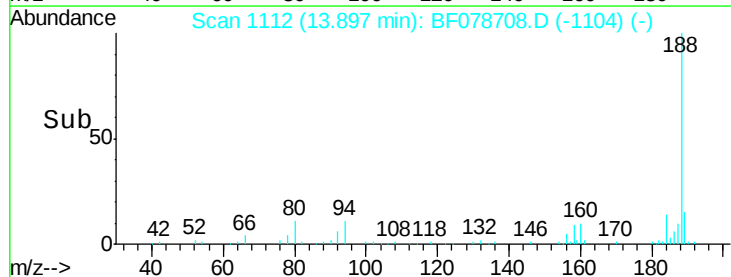
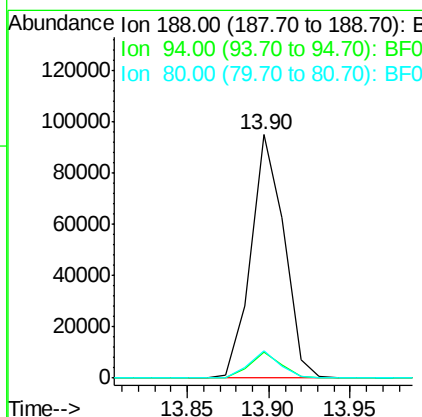
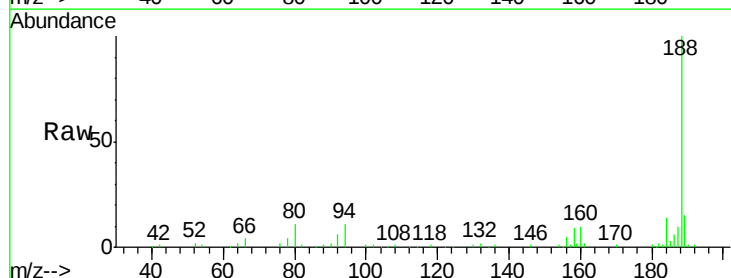
Manual Integrations
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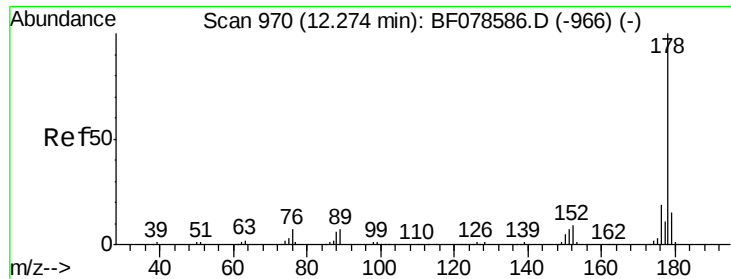
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF078708.D
 Acq: 22 Apr 2015 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	133832		
94	10.6	9.0	13.4	
80	11.1	9.5	14.3	





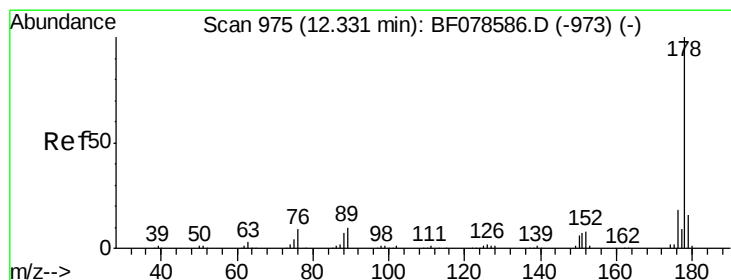
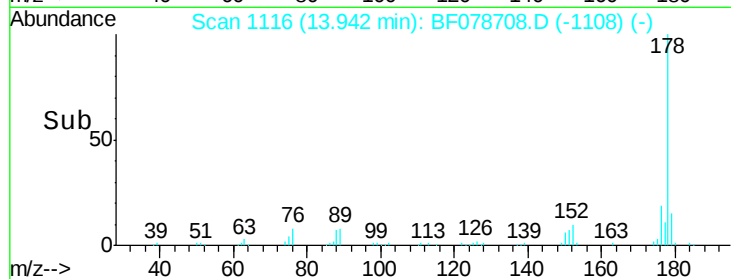
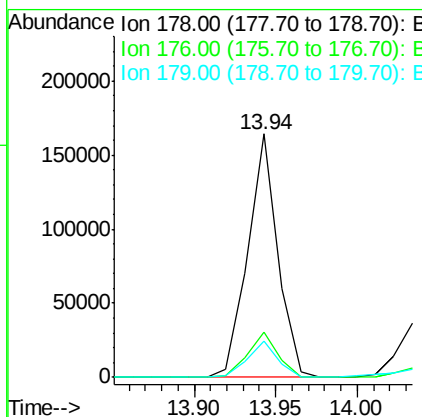
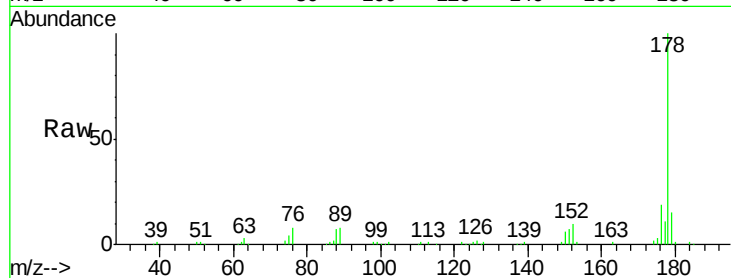
#70
 Phenanthrene
 Concen: 26.88 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BF078708.D
 Acq: 22 Apr 2015 6:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-69SDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	15.0	12.2	18.2

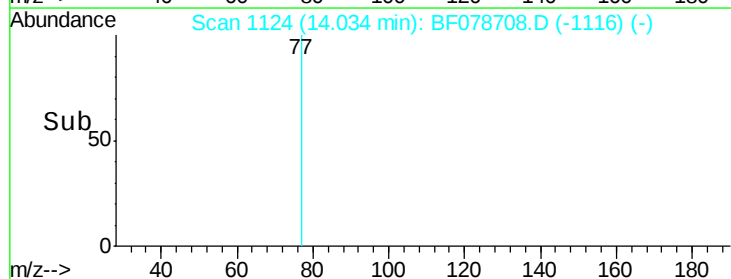
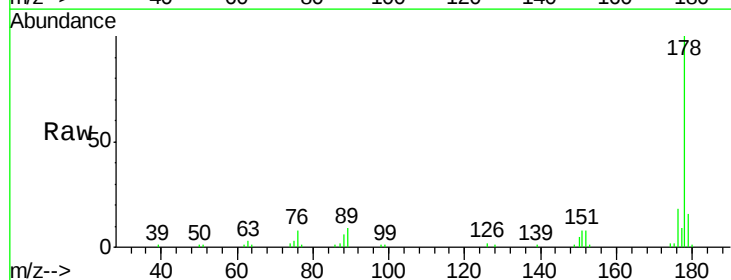
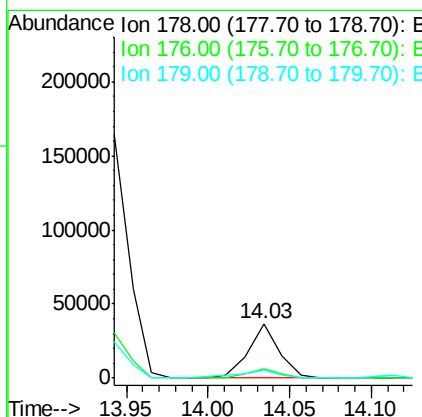
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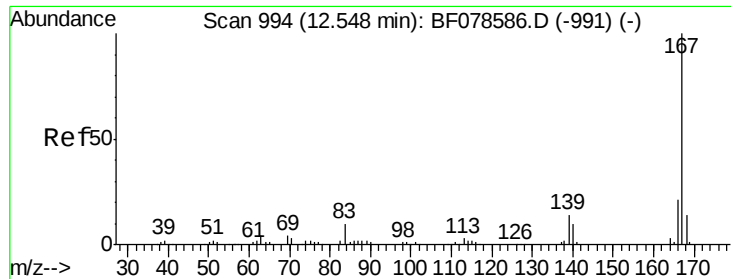
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#71
 Anthracene
 Concen: 6.32 ng
 RT: 14.03 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF078708.D
 Acq: 22 Apr 2015 6:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.8	22.2
179	15.9	12.4	18.6





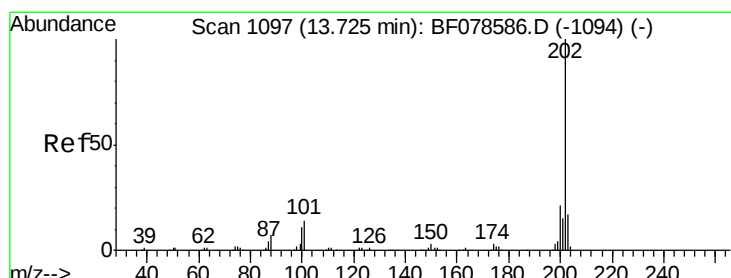
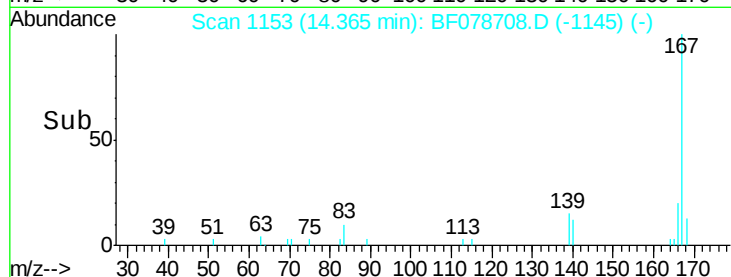
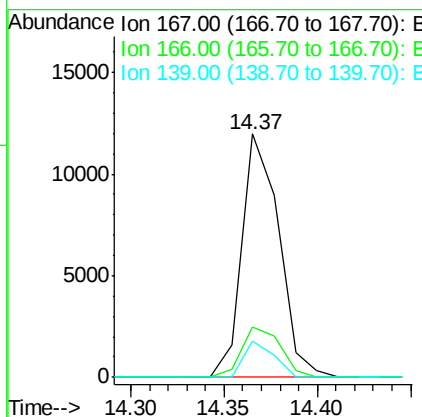
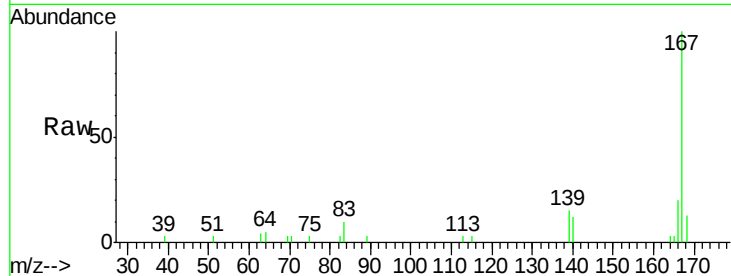
#72
 Carbazole
 Concen: 2.31 ng
 RT: 14.37 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF078708.D
 Acq: 22 Apr 2015 6:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-69SDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.4	16.8	25.2
139	14.8	10.0	15.0

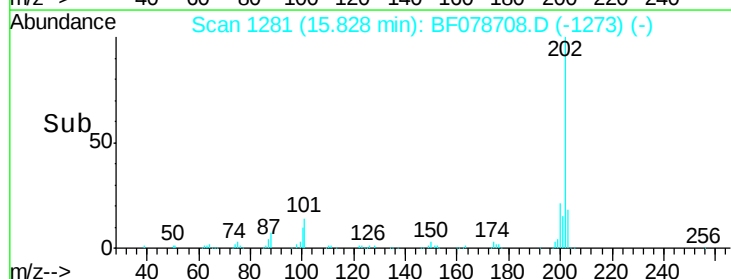
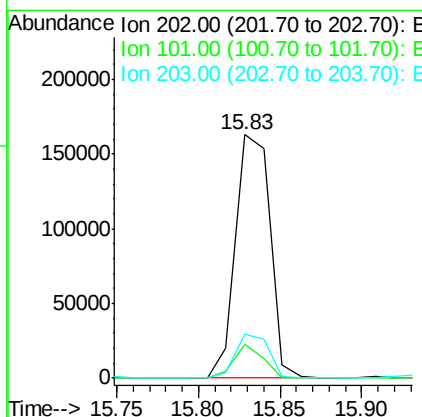
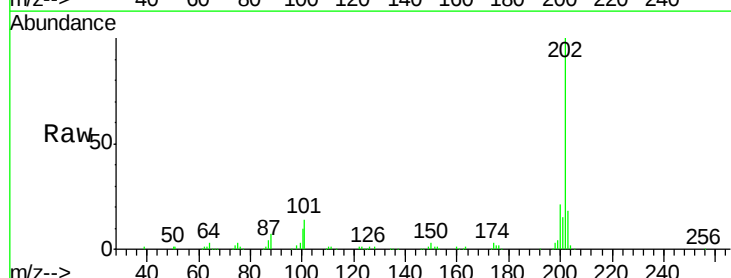
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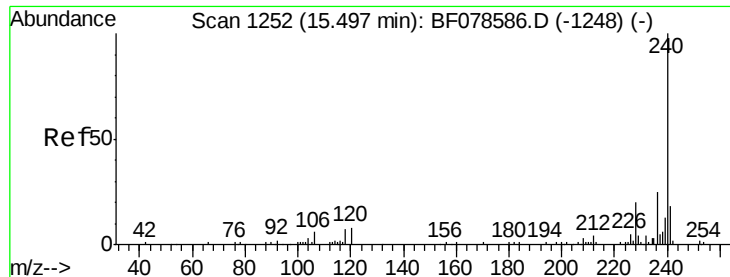
apatel
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#74
 Fluoranthene
 Concen: 29.11 ng
 RT: 15.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF078708.D
 Acq: 22 Apr 2015 6:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	35.2
203	18.0	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.77 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF078708.D

Acq: 22 Apr 2015 6:07

Instrument :

BNA_F

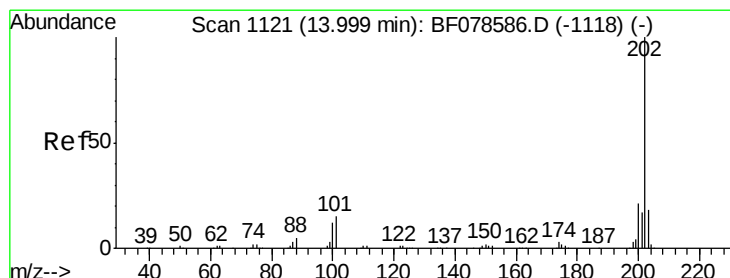
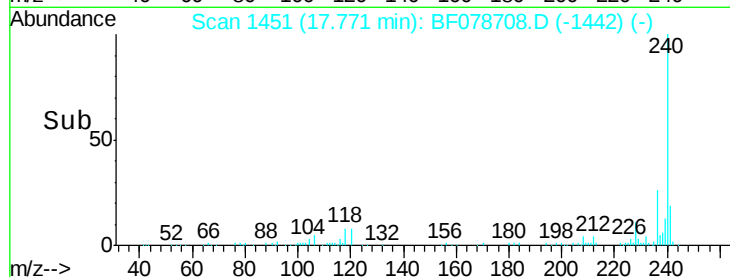
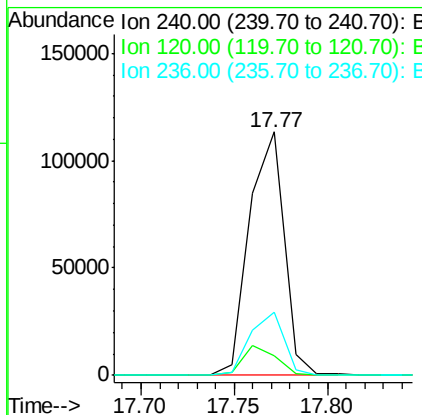
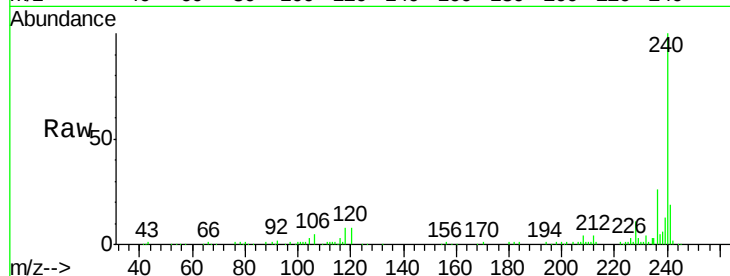
ClientSampleId :

SB-69SDL

Tot Ion:	240	Resp:	147002
Ion Ratio	Lower	Upper	
240	100		
120	8.2	7.1	10.7
236	25.9	21.4	32.2

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#77

Pyrene

Concen: 23.86 ng

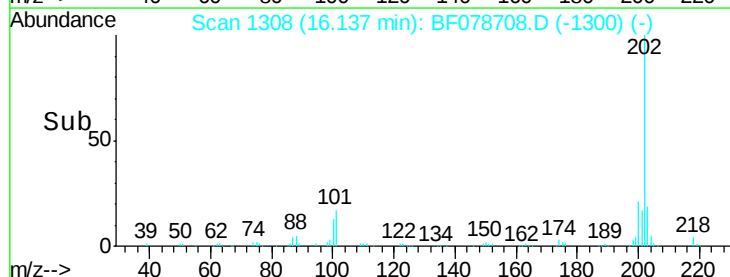
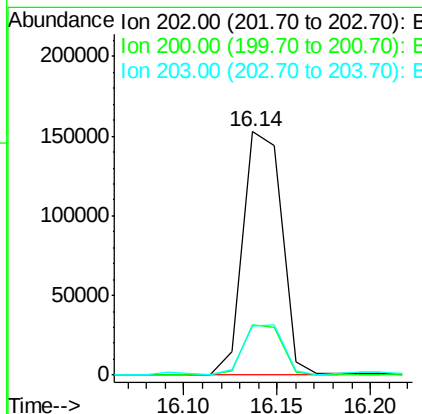
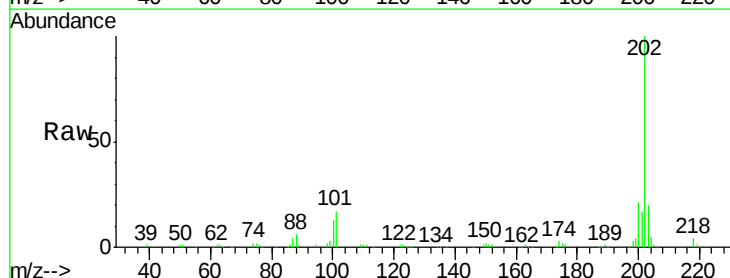
RT: 16.14 min Scan# 1308

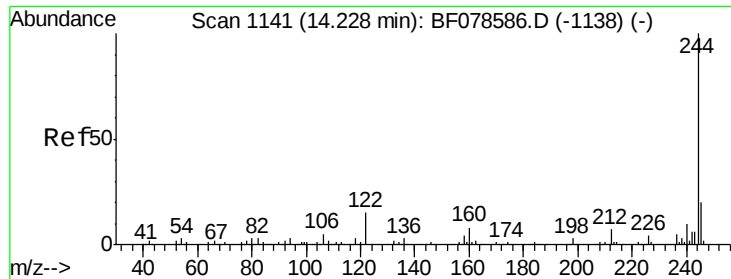
Delta R.T. -0.01 min

Lab File: BF078708.D

Acq: 22 Apr 2015 6:07

Tgt Ion:	202	Resp:	220206
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.3	24.5
203	20.3	13.8	20.6





#78

Terphenyl-d14

Concen: 11.36 ng

RT: 16.43 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF078708.D

Acq: 22 Apr 2015 6:07

Instrument :

BNA_F

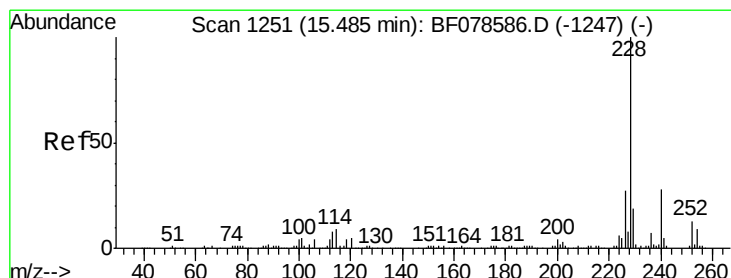
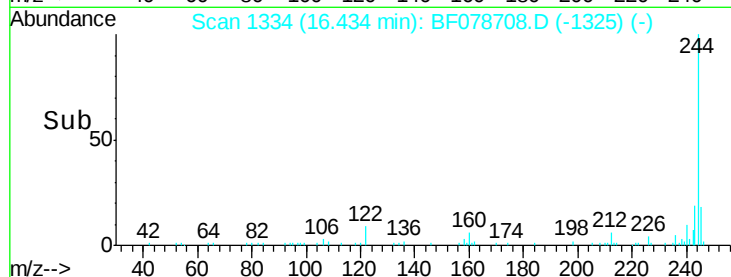
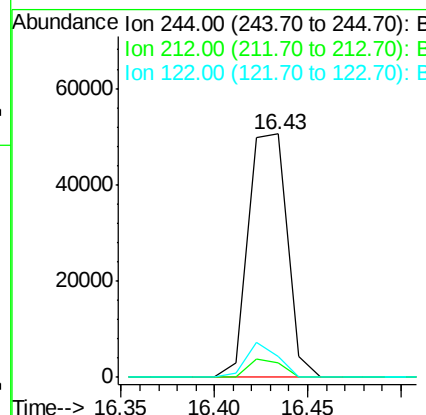
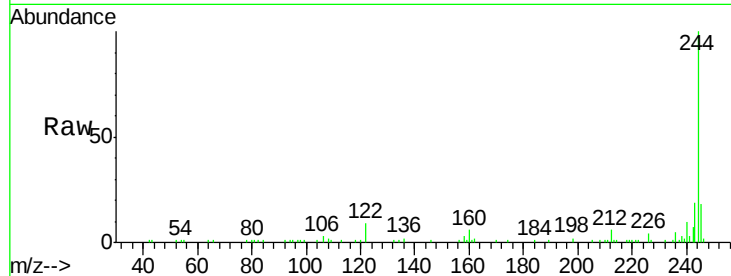
ClientSampleId :

SB-69SDL

Tot Ion:	244	Resp:	73910
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.0	7.4
122	8.6	7.1	10.7

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#80

Benzo(a)anthracene

Concen: 11.77 ng

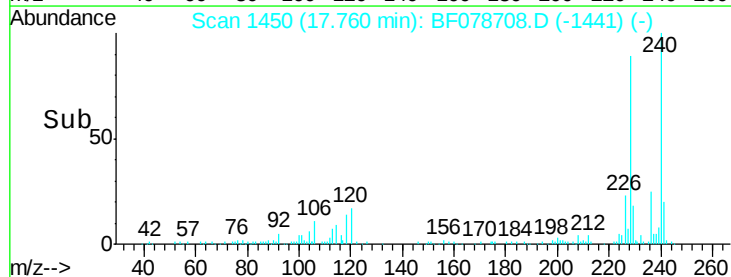
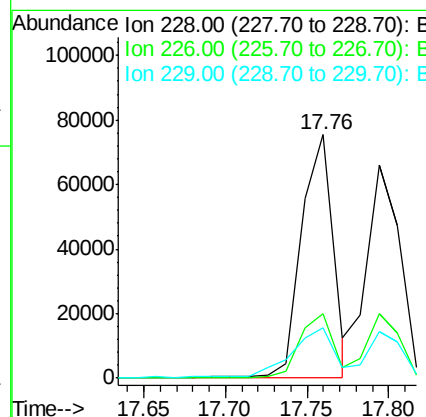
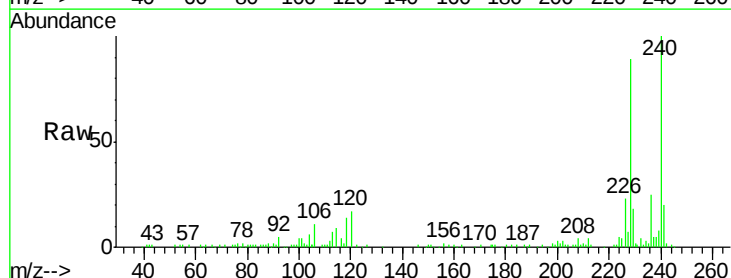
RT: 17.76 min Scan# 1450

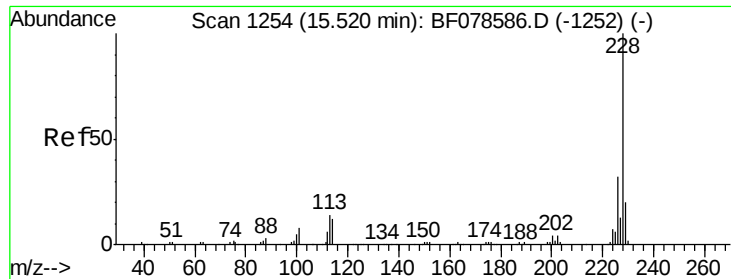
Delta R.T. 0.00 min

Lab File: BF078708.D

Acq: 22 Apr 2015 6:07

Tgt Ion:	228	Resp:	102972
Ion Ratio	Lower	Upper	
228	100		
226	26.2	21.3	31.9
229	20.6	15.4	23.2





#82

Chrysene

Concen: 11.34 ng

RT: 17.79 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF078708.D

Acq: 22 Apr 2015 6:07

Instrument :

BNA_F

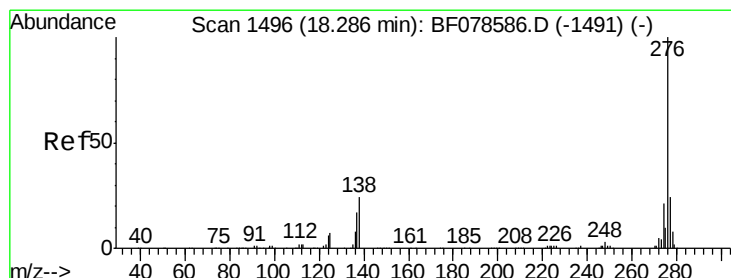
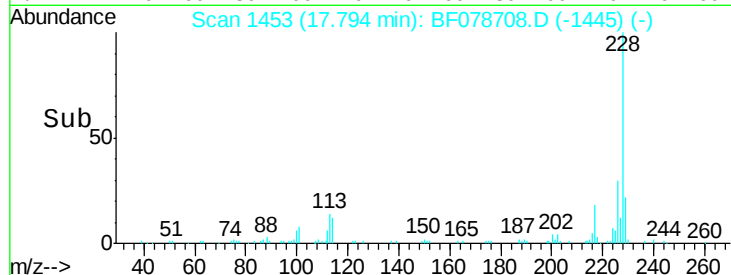
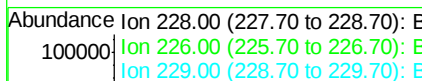
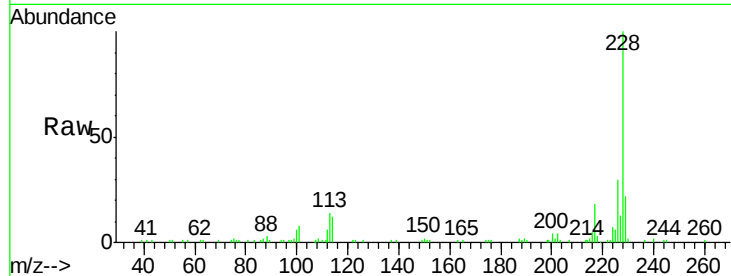
ClientSampled :

SB-69SDL

Tot Ion:	228	Resp:	93166
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.2	36.4
229	22.0	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.79 ng

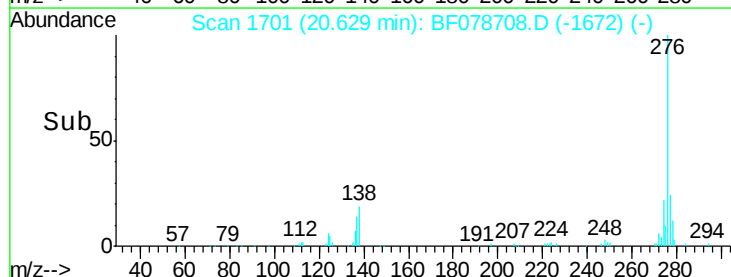
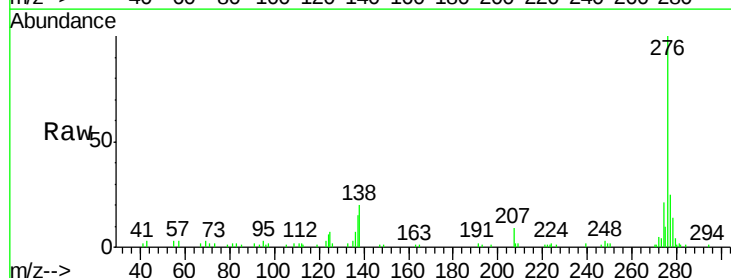
RT: 20.63 min Scan# 1701

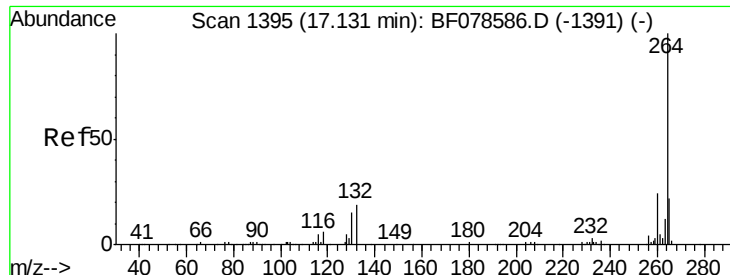
Delta R.T. 0.03 min

Lab File: BF078708.D

Acq: 22 Apr 2015 6:07

Tgt Ion:	276	Resp:	53988
Ion Ratio	Lower	Upper	
276	100		
138	28.6	16.9	25.3#
277	27.6	15.8	23.6#





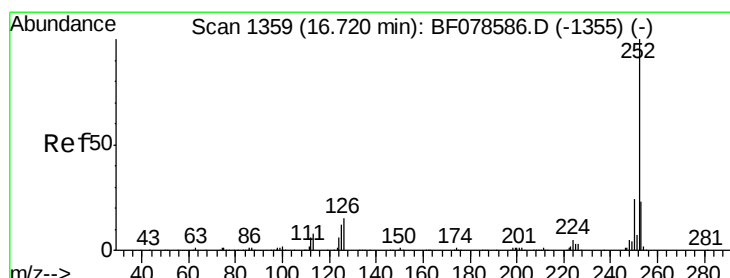
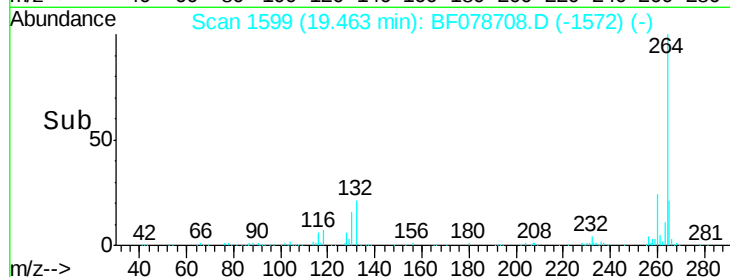
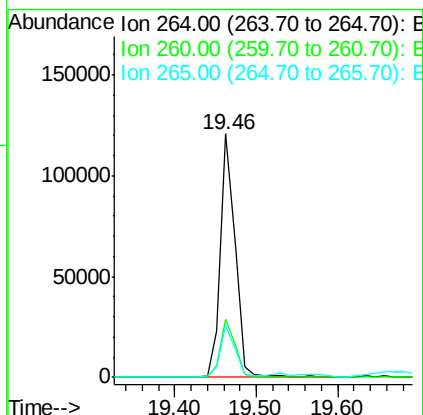
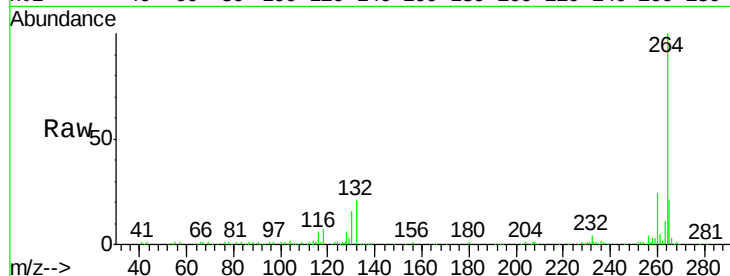
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.46 min Scan# 1599
Delta R.T. 0.01 min
Lab File: BF078708.D
Acq: 22 Apr 2015 6:07

Instrument :
BNA_F
ClientSampleId :
SB-69SDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.3	17.0	25.6

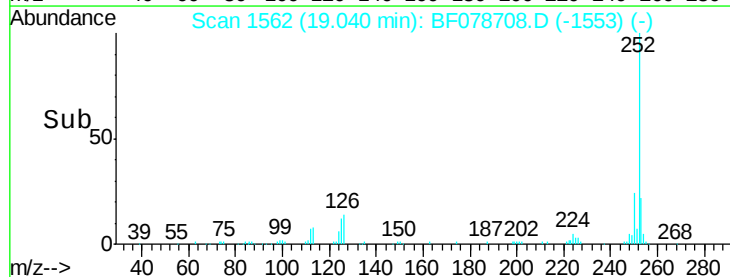
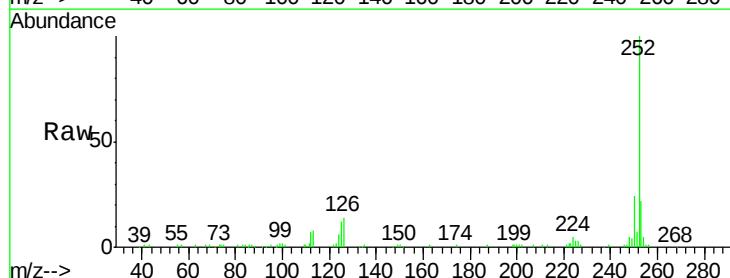
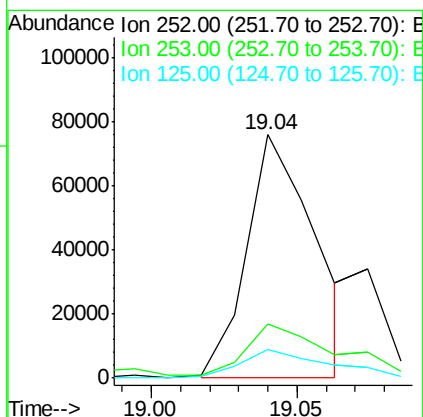
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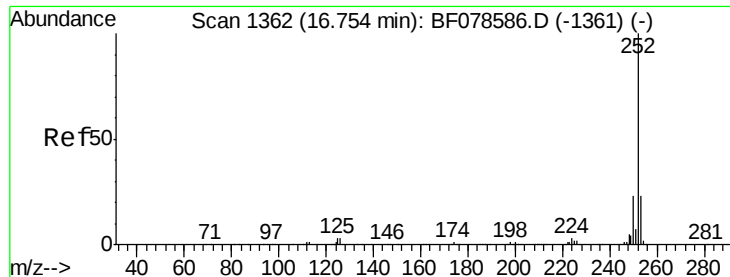
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#87
Benzo(b)fluoranthene
Concen: 13.27 ng m
RT: 19.04 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF078708.D
Acq: 22 Apr 2015 6:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	11.5	7.0	10.4





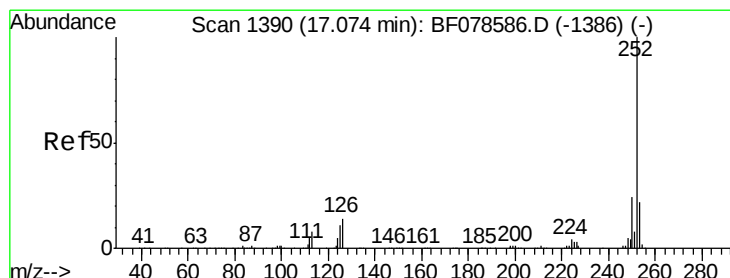
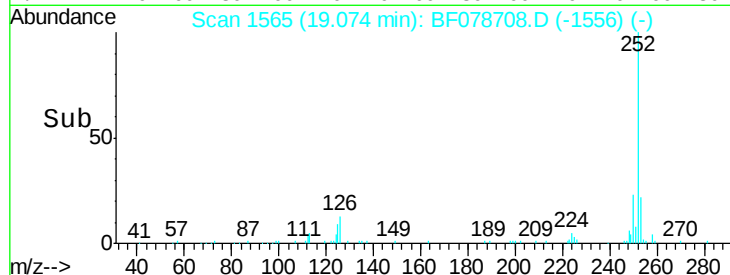
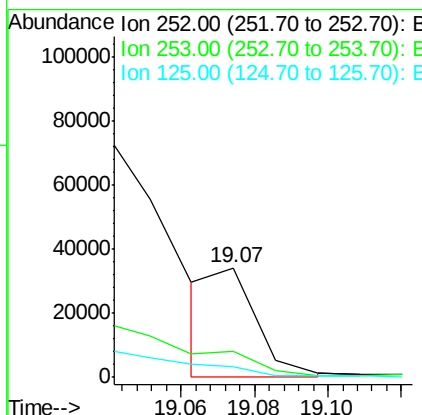
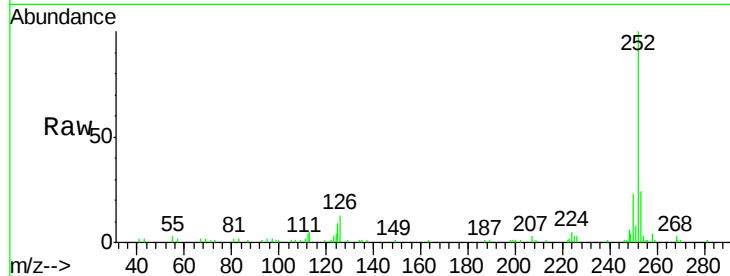
#88
Benzo(k)fluoranthene
Concen: 3.38 ng m
RT: 19.07 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BF078708.D
Acq: 22 Apr 2015 6:07

Instrument :
BNA_F
ClientSampleId :
SB-69SDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	9.2	11.6	17.4

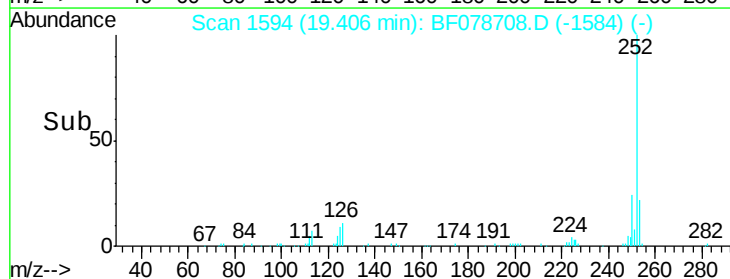
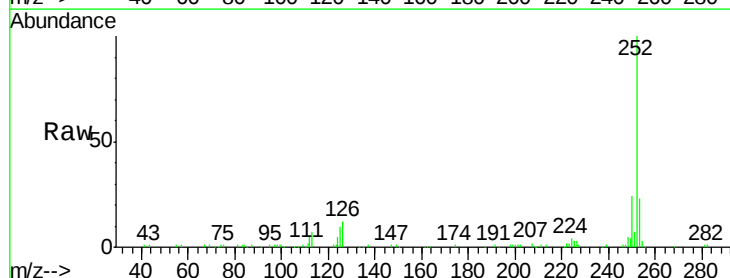
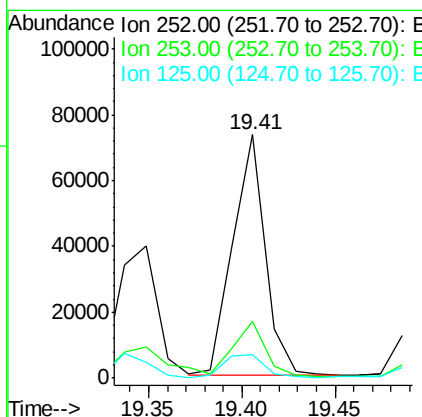
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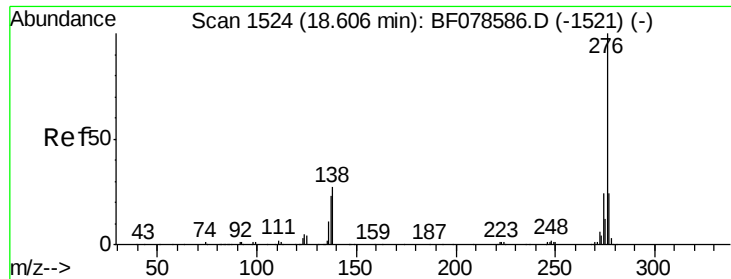
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#89
Benzo(a)pyrene
Concen: 10.90 ng
RT: 19.41 min Scan# 1594
Delta R.T. 0.01 min
Lab File: BF078708.D
Acq: 22 Apr 2015 6:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.8	25.2
125	9.6	7.4	11.0





#91
 Benzo(a,h,i)perylene
 Concen: 6.28 ng
 RT: 20.94 min Scan# 1728
 Delta R.T. 0.02 min
 Lab File: BF078708.D
 Acq: 22 Apr 2015 6:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-69SDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.5	19.0	28.4
138	23.5	19.9	29.9

Manual Integrations
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