

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078672.D
 Acq On : 21 Apr 2015 7:27
 Operator : TP/IZ
 Sample : G1943-06 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3

Manual Integrations
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Quant Time: Apr 21 08:30:51 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	5.85	152	30250	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	125275	20.00	ng	-0.01
38) Acenaphthene-d10	11.20	164	61414	20.00	ng	-0.01
63) Phenanthrene-d10	13.94	188	121323	20.00	ng	0.00
75) Chrysene-d12	17.79	240	122087	20.00	ng	-0.01
86) Perylene-d12	19.50	264	124645	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	15898m	8.67	ng	0.01
7) Phenol-d6	5.37	99	22293m	9.70	ng	0.01
23) Nitrobenzene-d5	6.80	82	11508	5.57	ng	0.00
41) 2,4,6-Tribromophenol	12.67	330	4689	9.21	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	29412	6.85	ng	-0.01
78) Terphenyl-d14	16.46	244	34213	6.33	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	11.26	154	12962	3.61	ng	100
54) Dibenzofuran	11.59	168	11866	2.16	ng	95
57) Fluorene	12.22	166	19526	4.39	ng	97
70) Phenanthrene	13.98	178	370029	52.73	ng	99
71) Anthracene	14.07	178	93586	13.53	ng	100
72) Carbazole	14.40	167	32179	4.97	ng	99
74) Fluoranthene	15.86	202	649770	87.79	ng	98
77) Pyrene	16.18	202	616988	80.50	ng	# 95
80) Benzo(a)anthracene	17.78	228	302214	41.60	ng	96
82) Chrysene	17.83	228	253331	37.12	ng	98
85) Indeno(1,2,3-cd)pyrene	20.66	276	163567m	21.12	ng	
87) Benzo(b)fluoranthene	19.07	252	385596m	50.05	ng	
88) Benzo(k)fluoranthene	19.10	252	72465m	10.59	ng	
89) Benzo(a)pyrene	19.44	252	232879	34.64	ng	96
90) Dibenzo(a,h)anthracene	20.67	278	35650m	5.30	ng	
91) Benzo(g,h,i)perylene	20.98	276	149661	22.18	ng	98

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

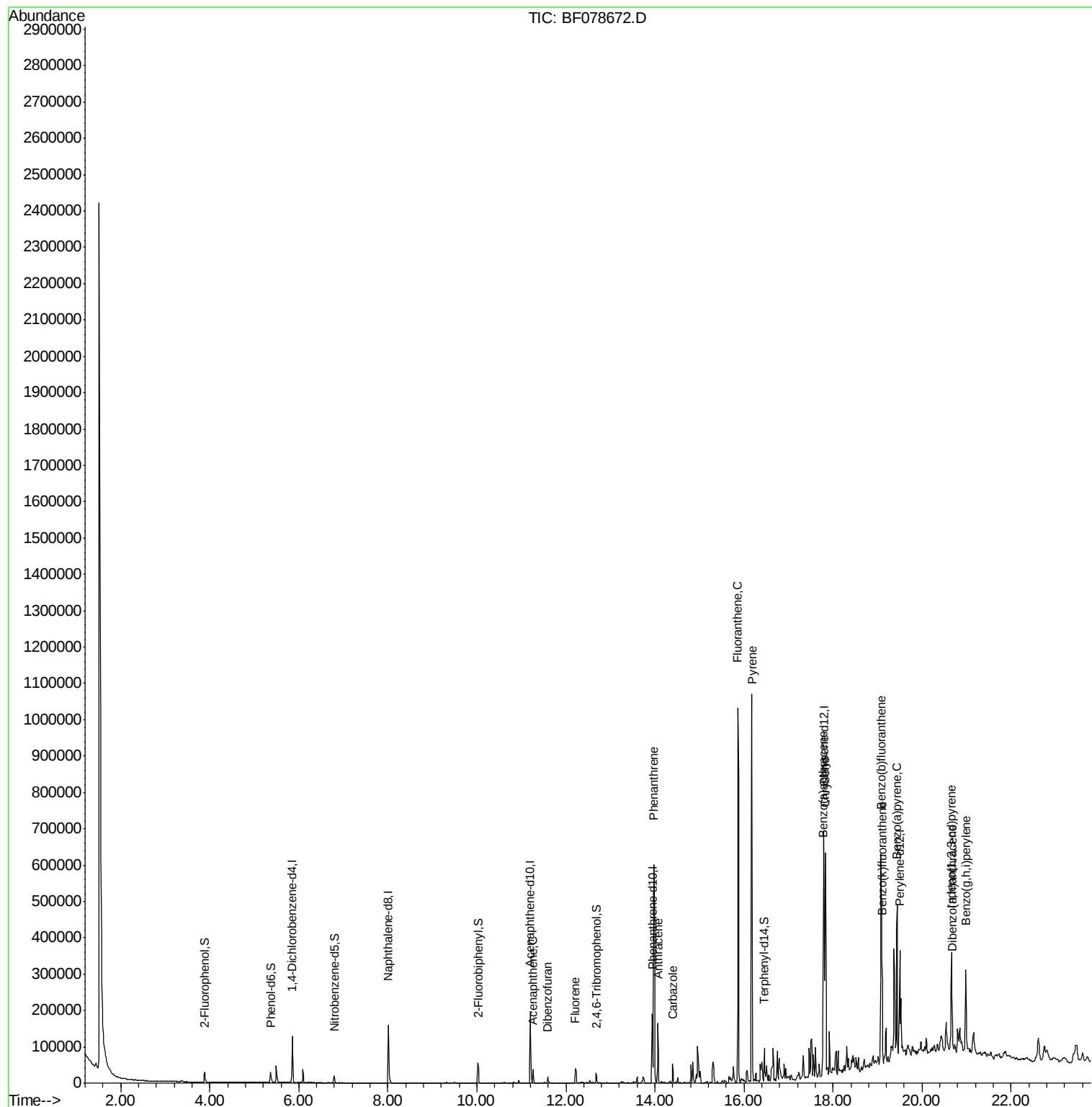
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
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#1

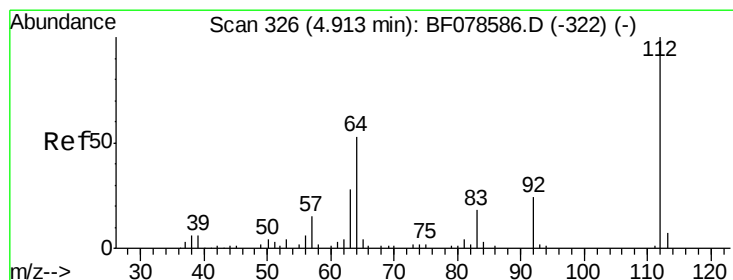
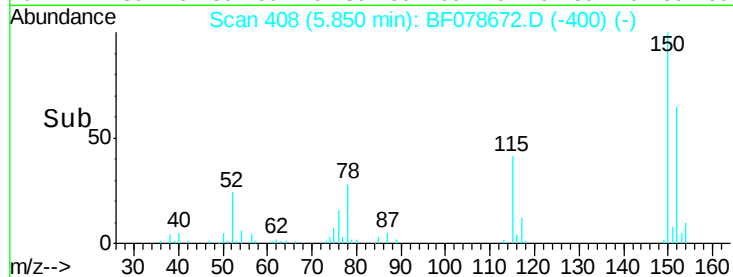
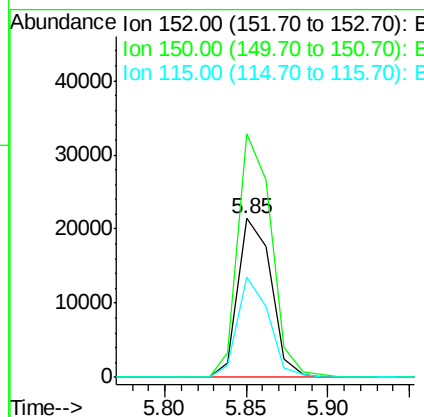
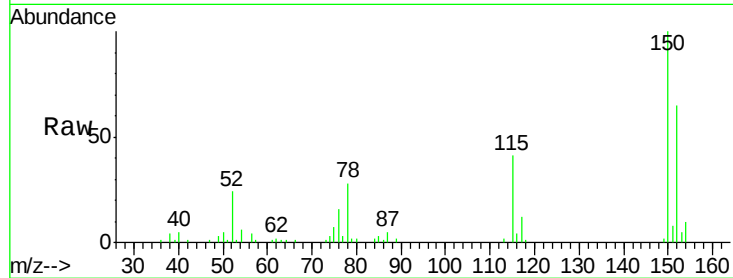
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.85 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Instrument :
 BNA_F
 ClientSampled :
 SP-B-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	125.9	188.9
115	62.7	52.7	79.1

Manual Integrations
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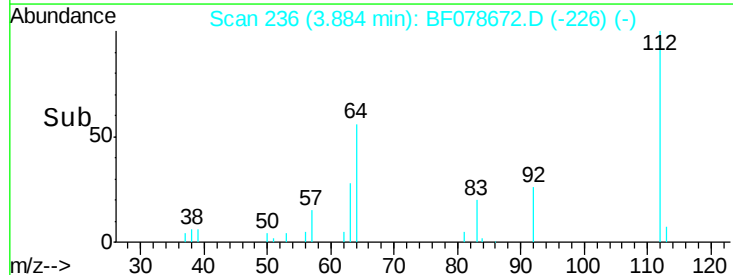
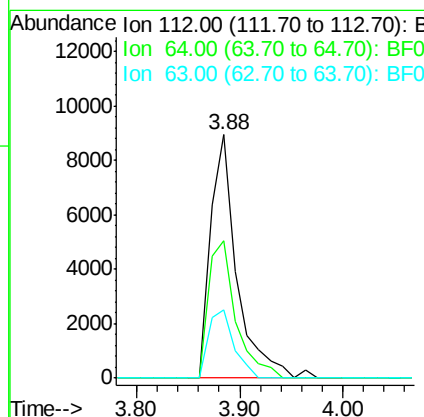
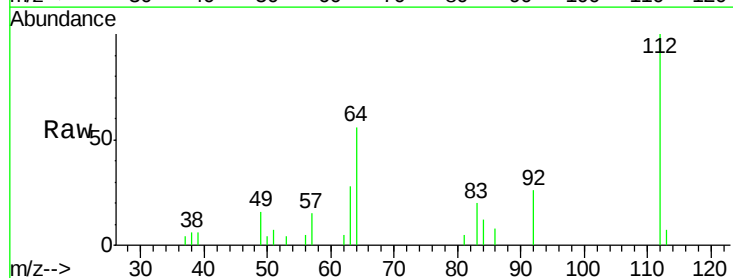
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#5

2-Fluorophenol
 Concen: 8.67 ng m
 RT: 3.88 min Scan# 236
 Delta R.T. 0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	39.9	59.9
63	28.2	20.2	30.4





#7

Phenol-d6

Concen: 9.70 ng/mL

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

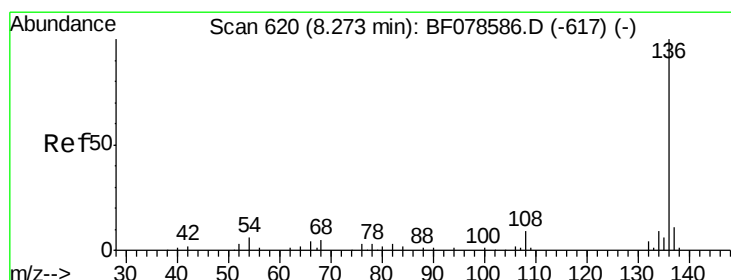
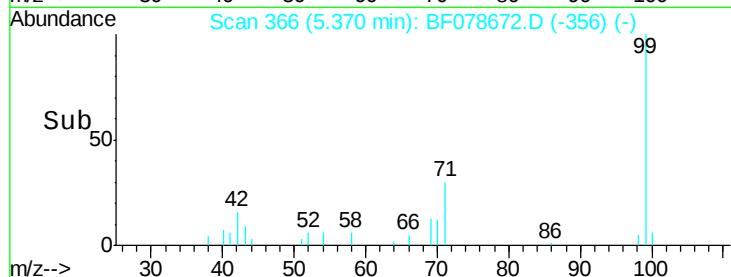
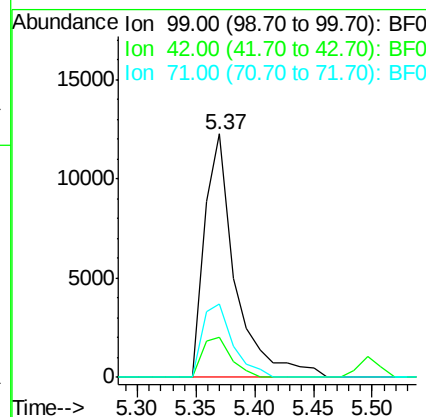
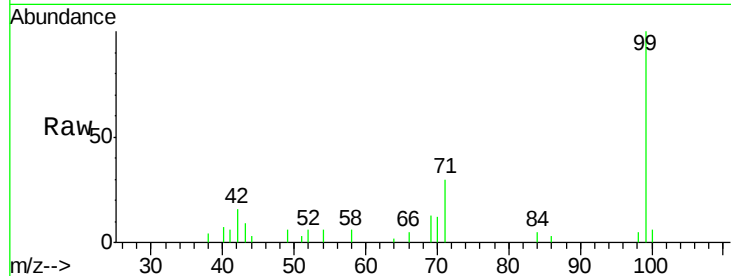
ClientSampleId :

SP-B-3

Tot Ion:	99	Resp:	22293
Ion Ratio	Lower	Upper	
99	100		
42	16.4	14.8	22.2
71	30.4	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

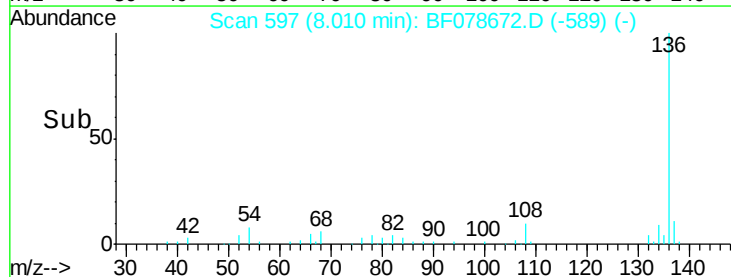
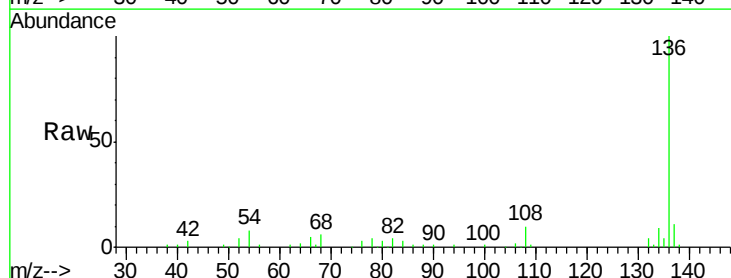
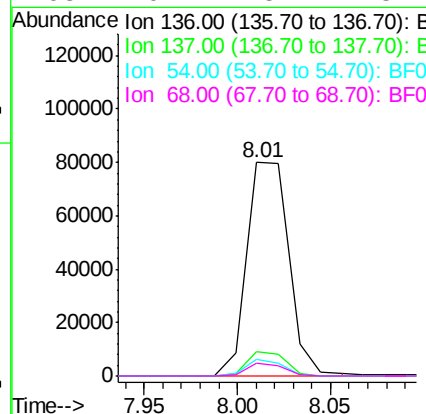
RT: 8.01 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Tgt Ion:	136	Resp:	125275
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.4
54	8.1	7.0	10.6
68	6.2	5.4	8.2





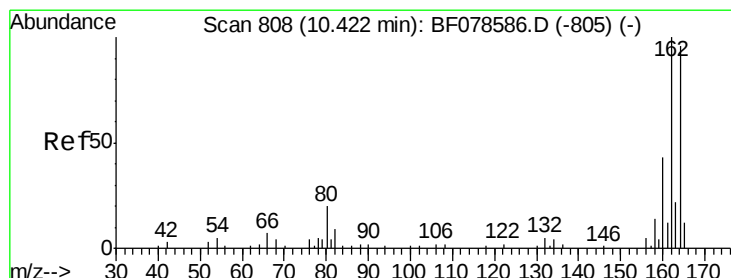
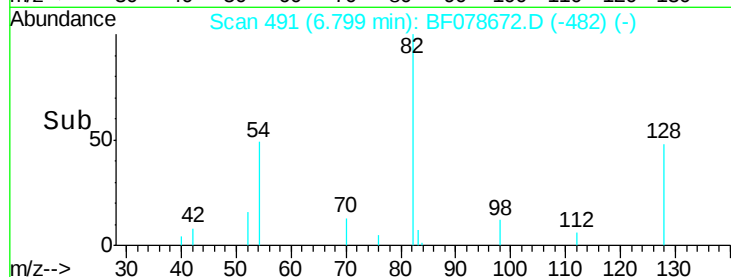
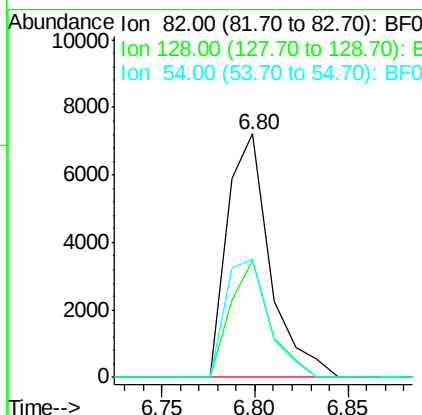
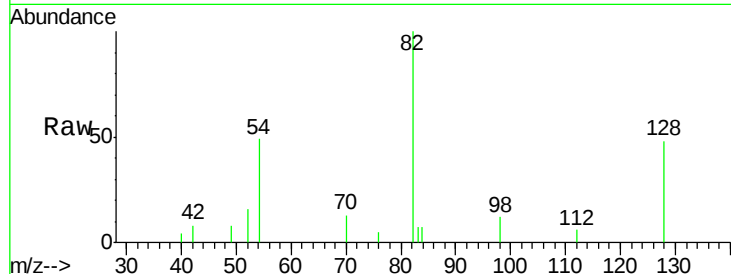
#23
 Nitrobenzene-d5
 Concen: 5.57 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	31.8	47.8#
54	48.7	41.5	62.3

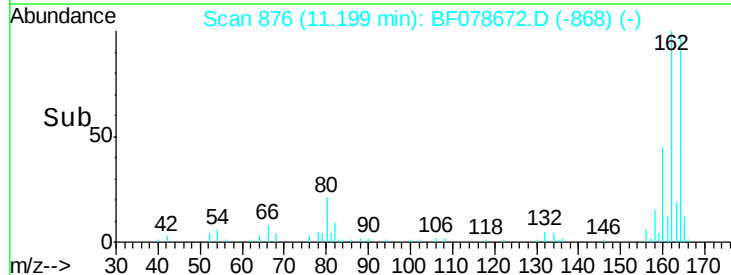
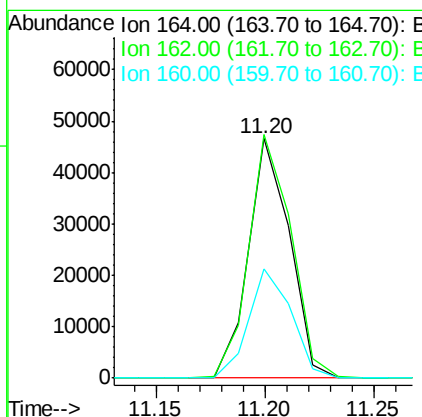
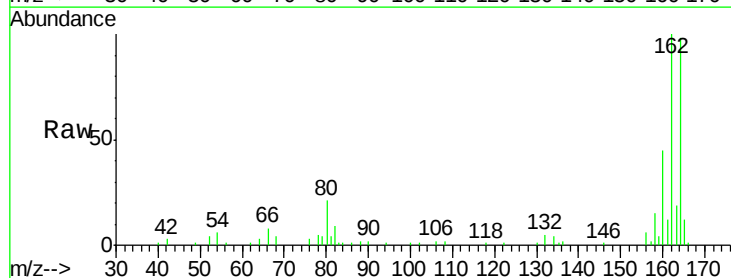
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.2	123.2
160	45.4	34.7	52.1





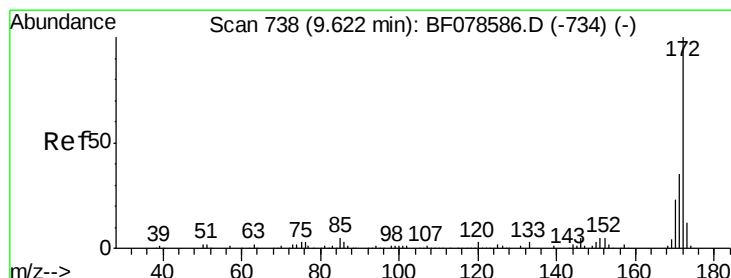
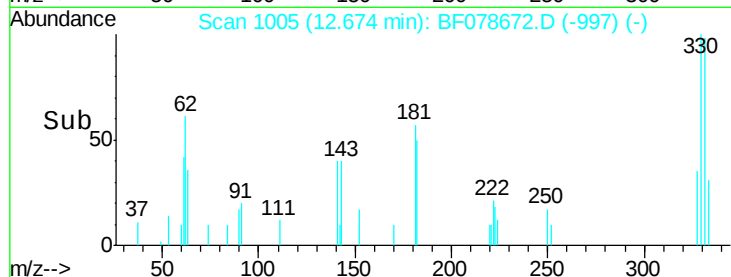
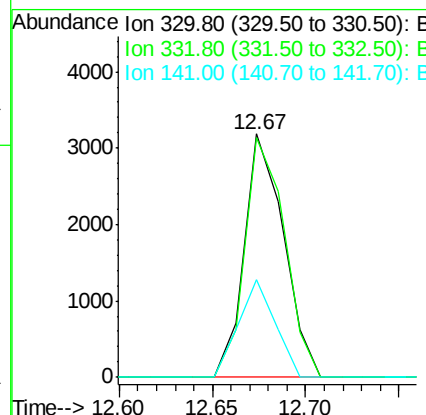
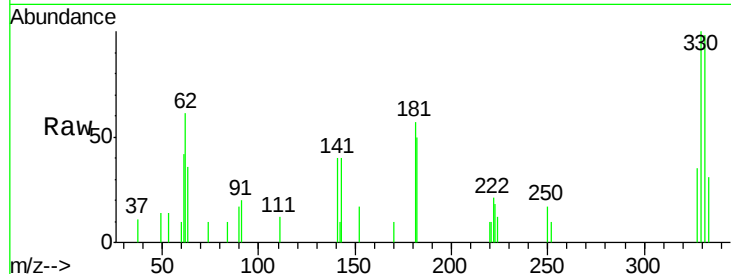
#41
 2,4,6-Tribromophenol
 Concen: 9.21 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Instrument :
 BNA_F
 ClientSampled :
 SP-B-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.5	78.6	117.8	
141	37.2	31.2	46.8	

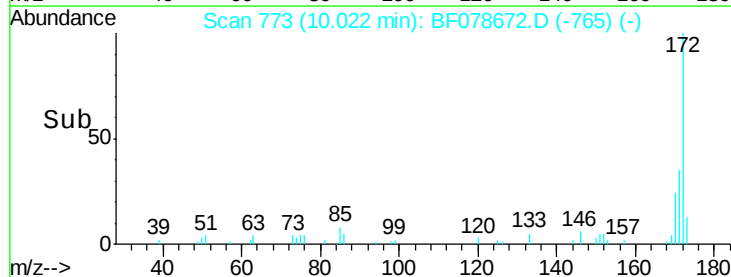
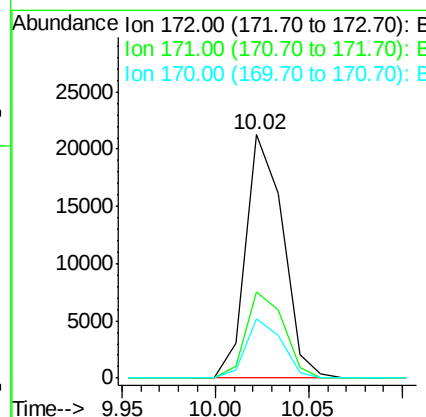
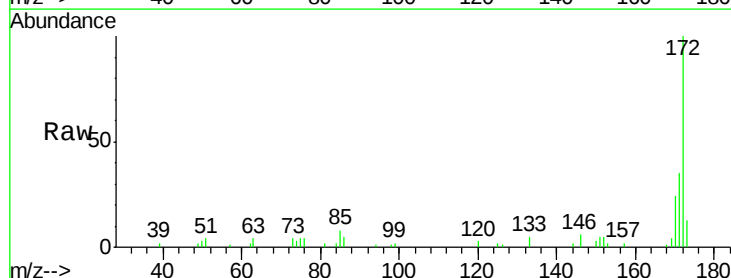
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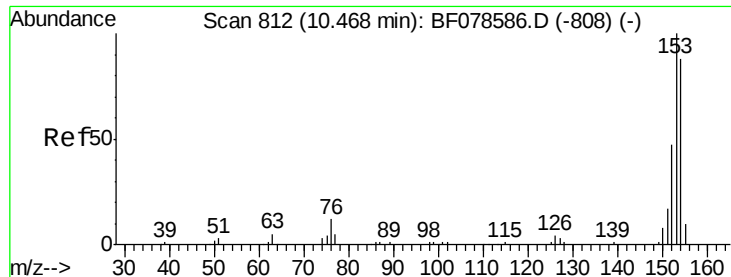
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#44
 2-Fluorobiphenyl
 Concen: 6.85 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	28.6	42.8	
170	24.3	18.5	27.7	





#51

Acenaphthene

Concen: 3.61 ng

RT: 11.26 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

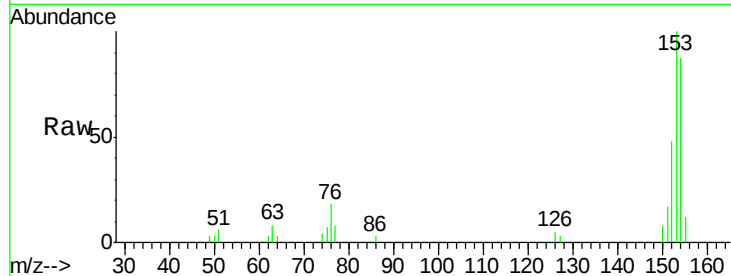
ClientSampled :

SP-B-3

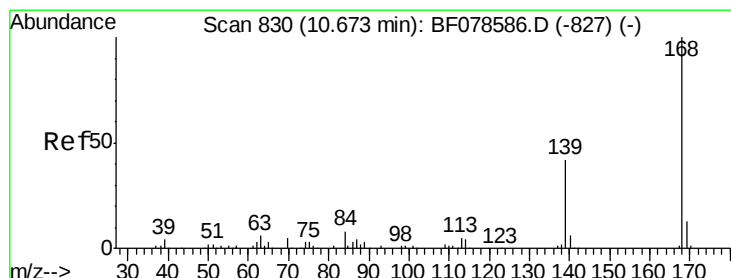
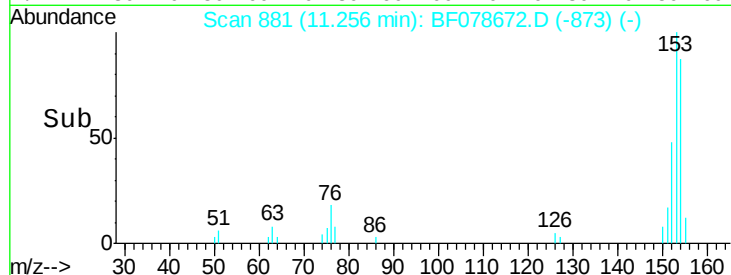
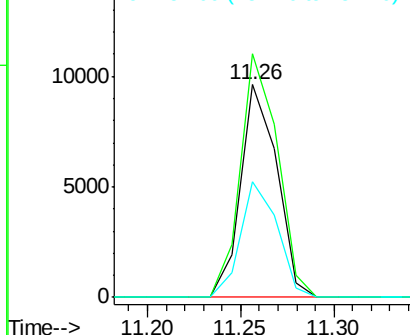
Tot Ion:	154	Resp:	12962
Ion Ratio	Lower	Upper	
154	100		
153	114.5	91.4	137.2
152	54.5	43.0	64.6

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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: 2.16 ng

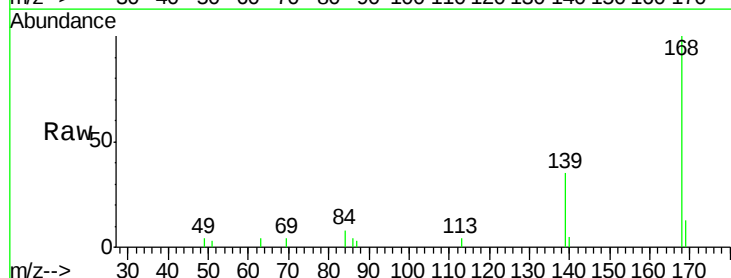
RT: 11.59 min Scan# 910

Delta R.T. -0.01 min

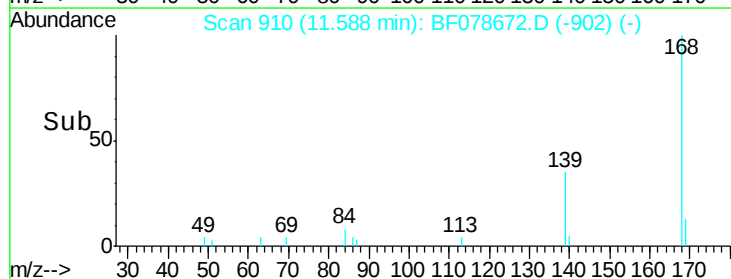
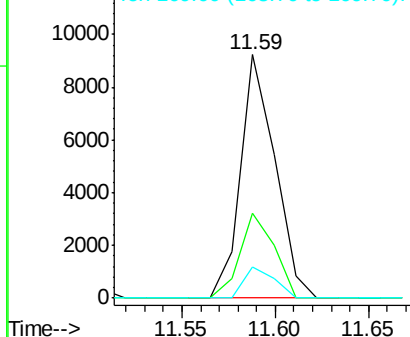
Lab File: BF078672.D

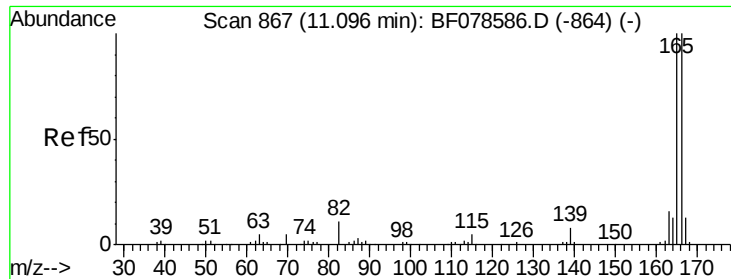
Acq: 21 Apr 2015 7:27

Tgt Ion:	168	Resp:	11866
Ion Ratio	Lower	Upper	
168	100		
139	35.0	31.0	46.4
169	12.7	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





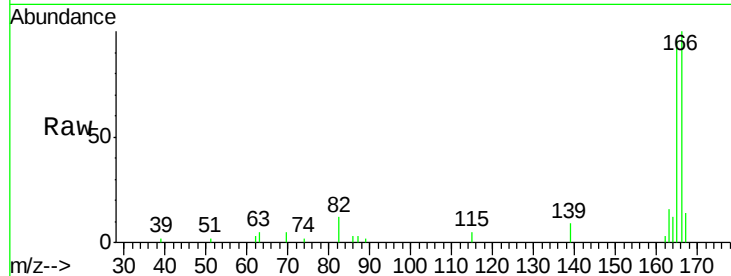
#57
Fluorene
 Concen: 4.39 ng
 RT: 12.22 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-3

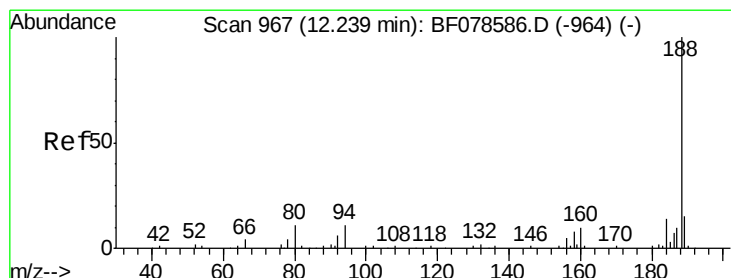
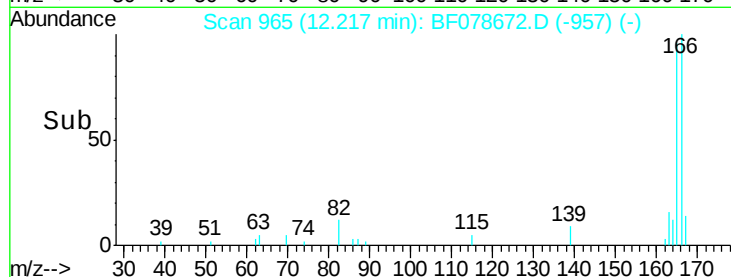
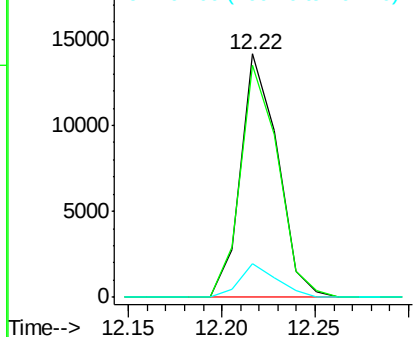
Tot Ion	Ratio	Resp	Lower	Upper
166	100	19526		
165	95.6		78.9	118.3
167	13.9		10.7	16.1

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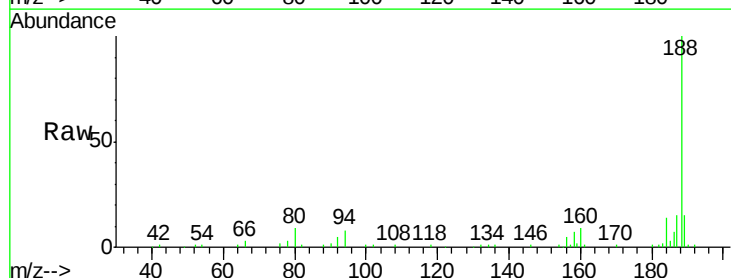


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

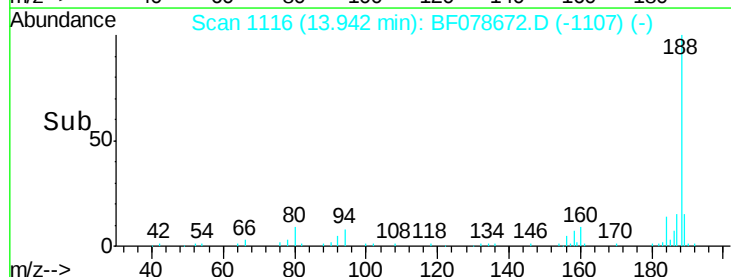
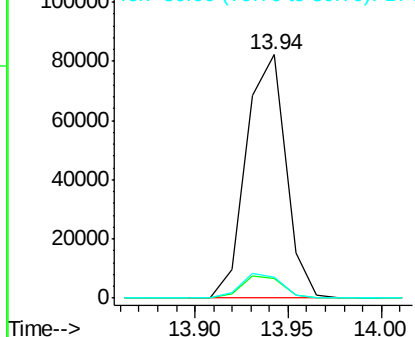


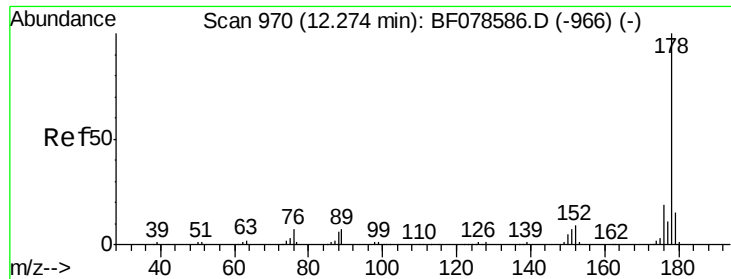
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. 0.00 min
 Lab File: BF078672.D
 Acq: 21 Apr 2015 7:27

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	121323		
94	8.3		9.0	13.4#
80	8.6		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





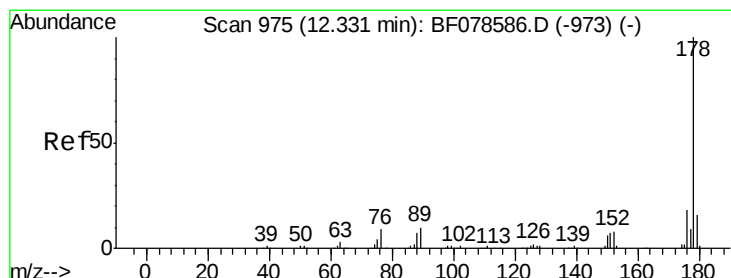
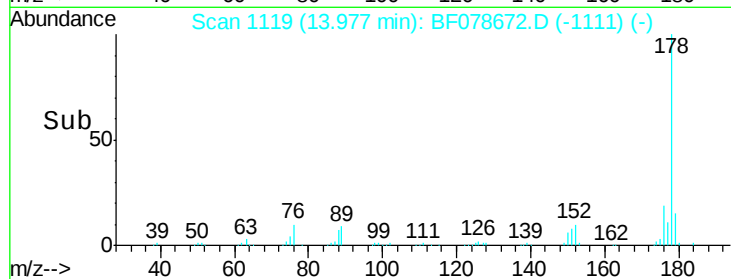
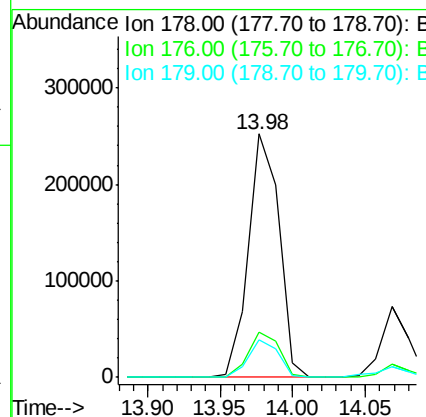
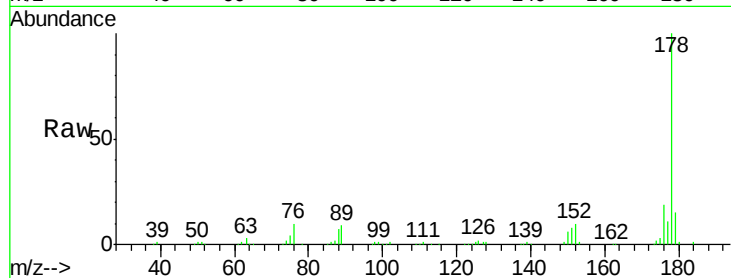
#70
Phenanthrene
Concen: 52.73 ng
RT: 13.98 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Instrument :
BNA_F
ClientSampleId :
SP-B-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.2	12.2	18.2

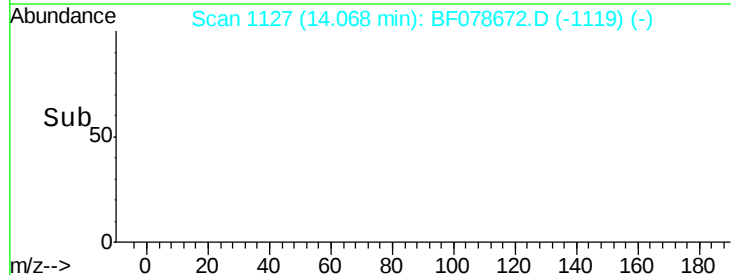
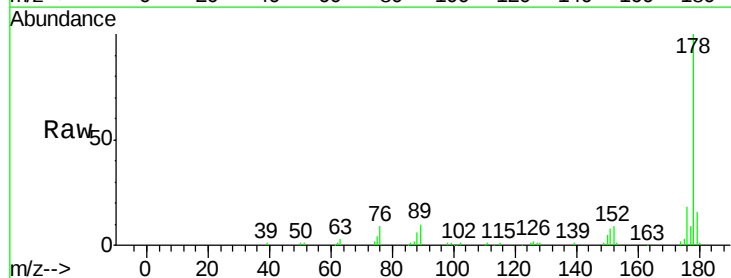
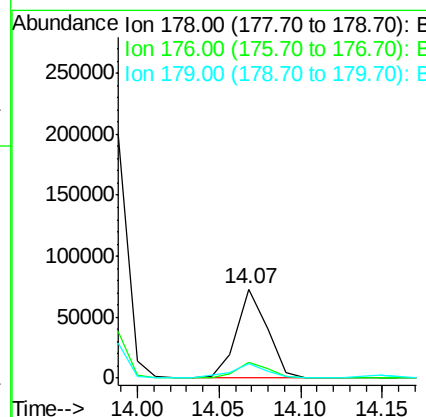
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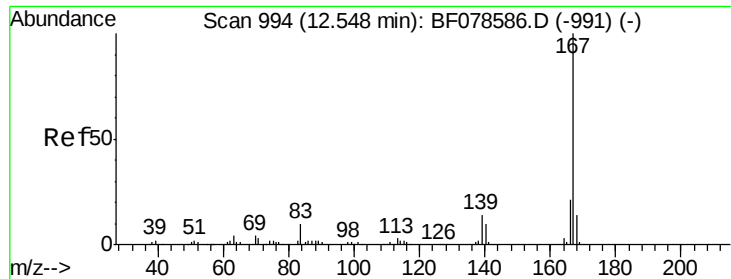
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#71
Anthracene
Concen: 13.53 ng
RT: 14.07 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.6	12.4	18.6





#72

Carbazole

Concen: 4.97 ng

RT: 14.40 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

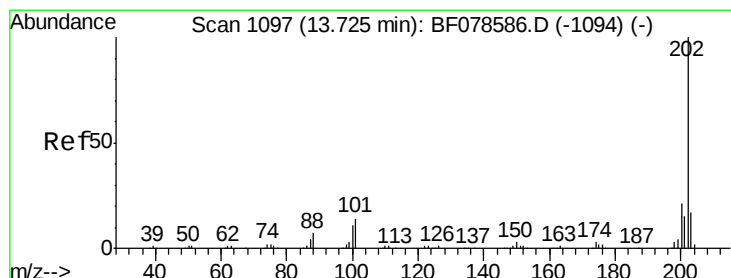
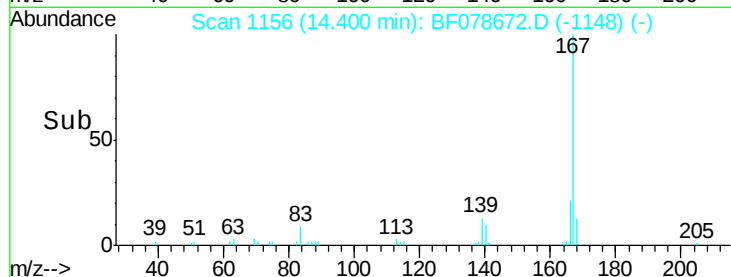
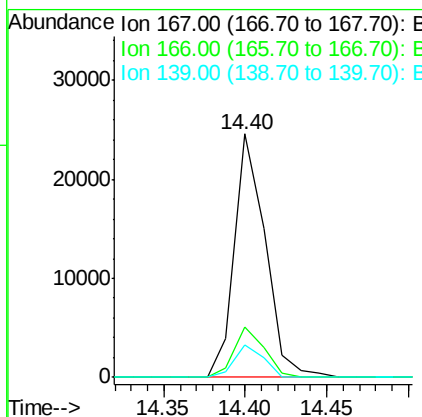
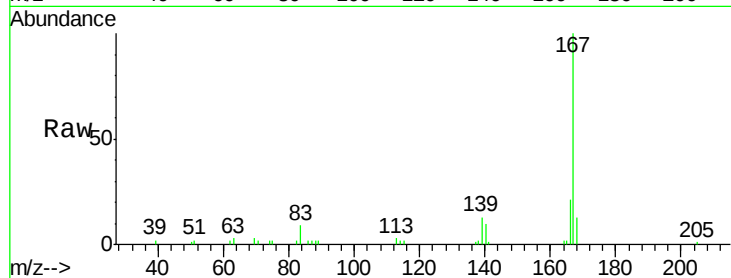
ClientSampleId :

SP-B-3

Tot Ion:	167	Resp:	32179
Ion Ratio	Lower	Upper	
167	100		
166	20.8	16.8	25.2
139	13.2	10.0	15.0

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#74

Fluoranthene

Concen: 87.79 ng

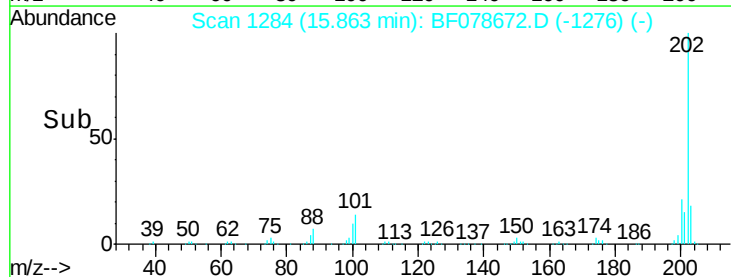
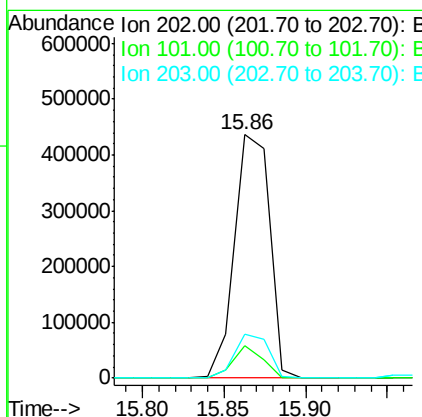
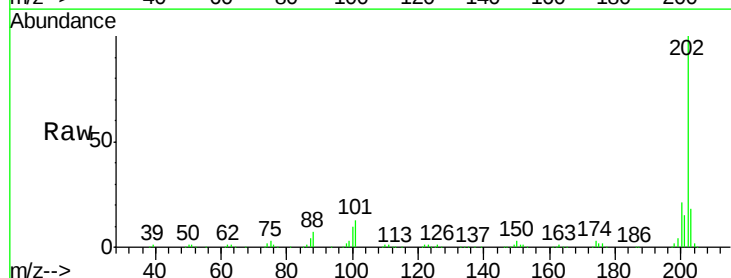
RT: 15.86 min Scan# 1284

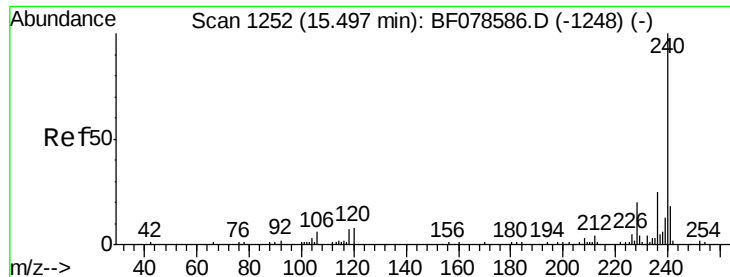
Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Tgt Ion:	202	Resp:	649770
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	35.2
203	18.1	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: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

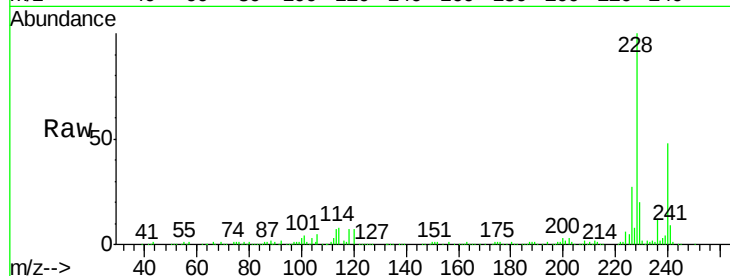
ClientSampleId :

SP-B-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.2	7.1	10.7#
236	25.5	21.4	32.2

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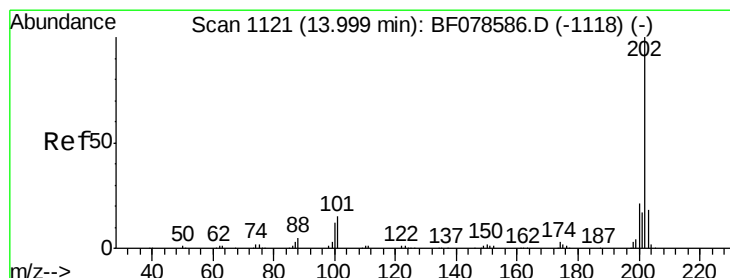
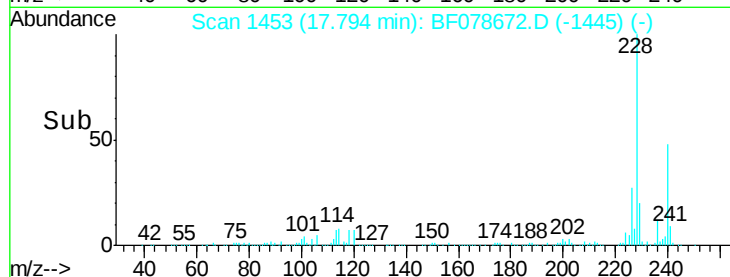
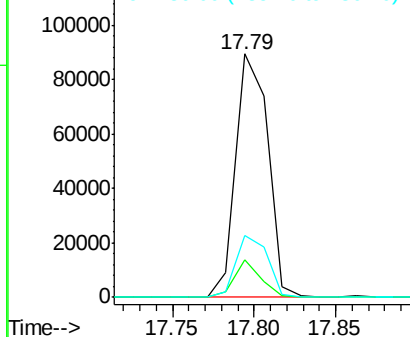
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 80.50 ng

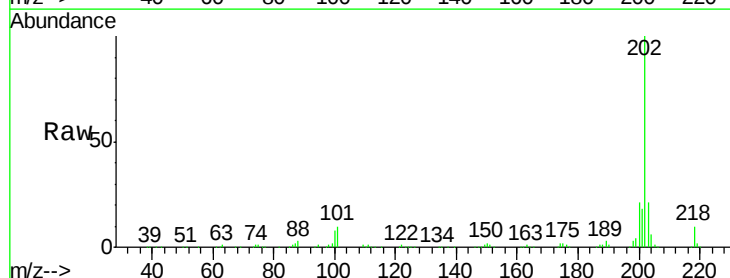
RT: 16.18 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

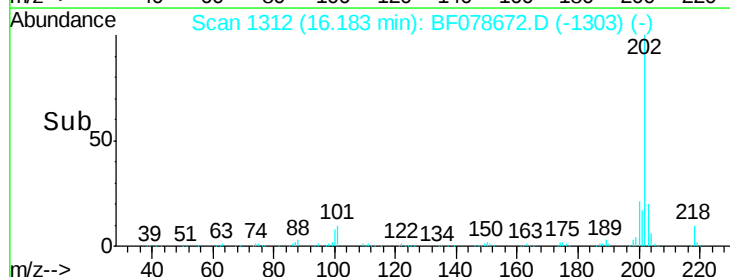
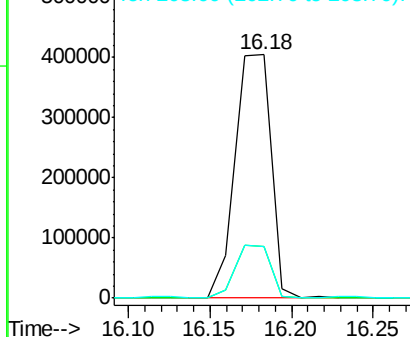
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.3	24.5
203	20.9	13.8	20.6#

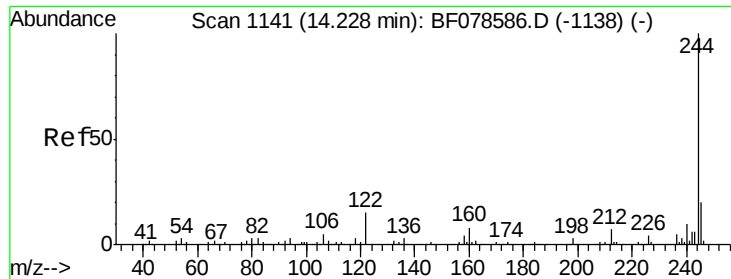


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.33 ng

RT: 16.46 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

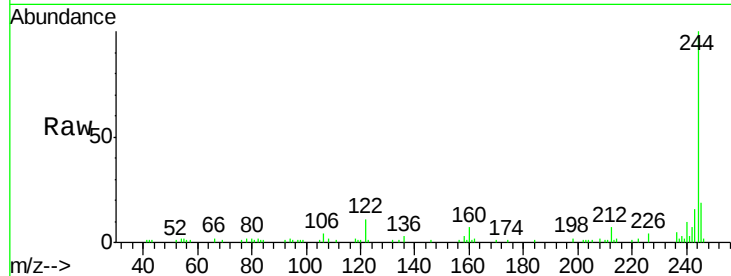
ClientSampleId :

SP-B-3

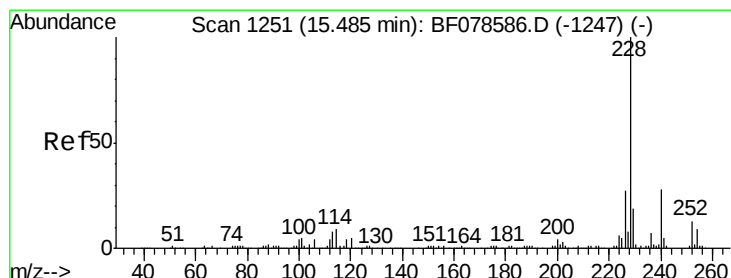
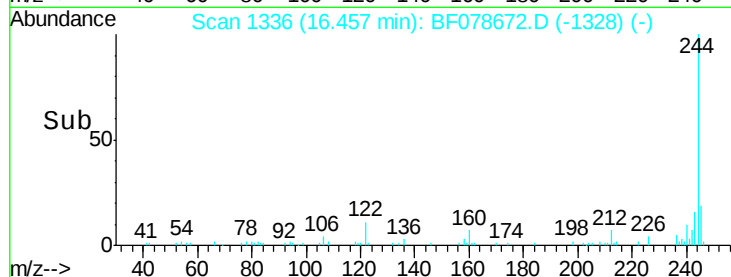
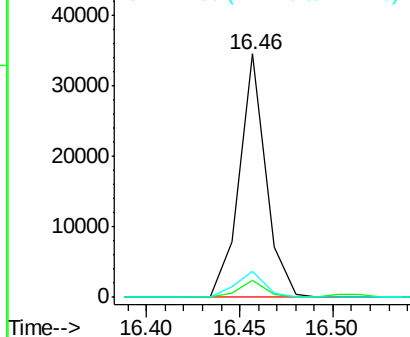
Tot Ion:	244	Resp:	34213
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.0	7.4
122	10.7	7.1	10.7

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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: 41.60 ng

RT: 17.78 min Scan# 1452

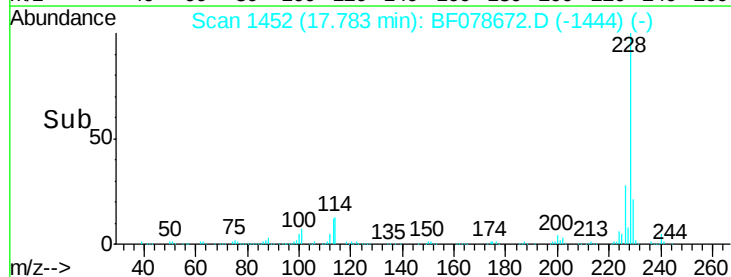
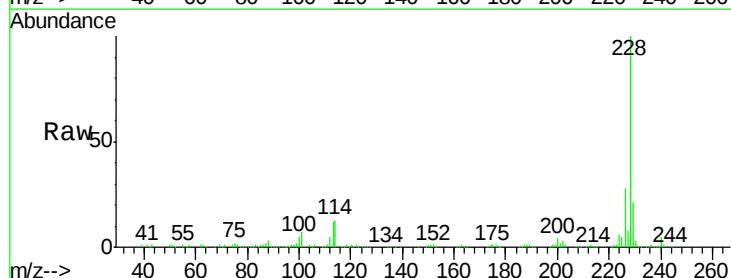
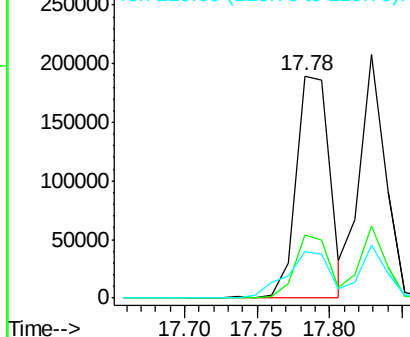
Delta R.T. -0.01 min

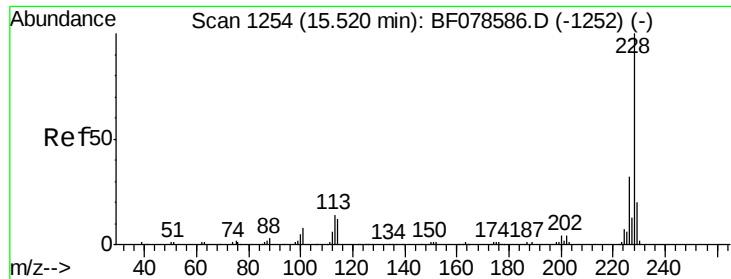
Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Tgt Ion:	228	Resp:	302214
Ion Ratio	Lower	Upper	
228	100		
226	28.3	21.3	31.9
229	21.2	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: 37.12 ng

RT: 17.83 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Instrument :

BNA_F

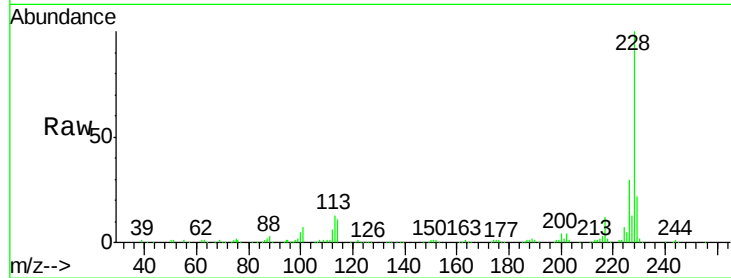
ClientSampled :

SP-B-3

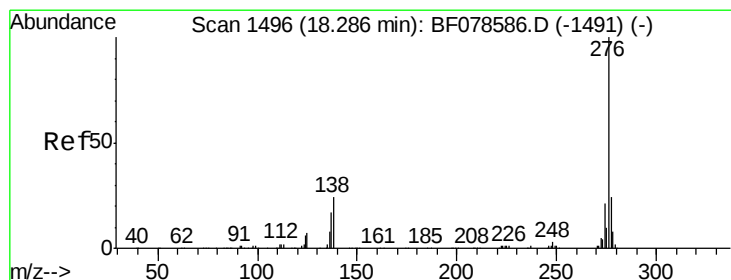
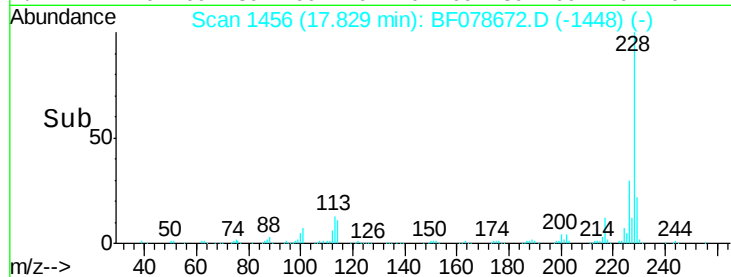
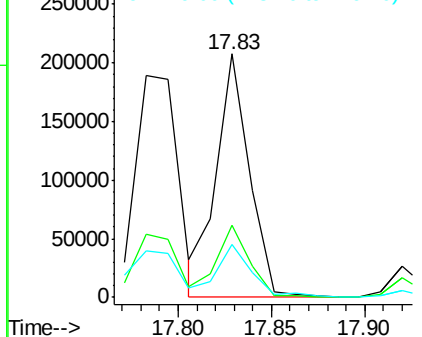
Tot Ion:	228	Resp:	253331
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.2	36.4
229	21.7	15.8	23.8

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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: 21.12 ng m

RT: 20.66 min Scan# 1704

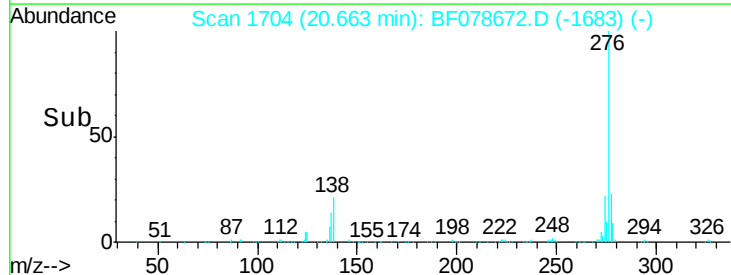
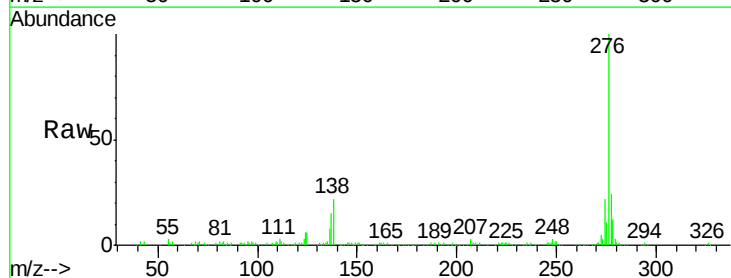
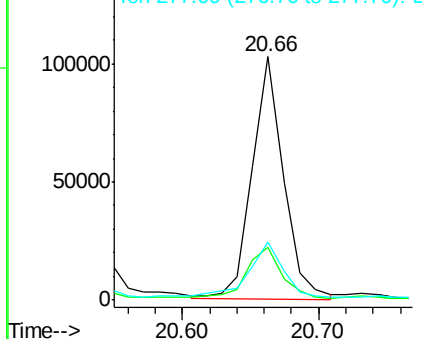
Delta R.T. -0.06 min

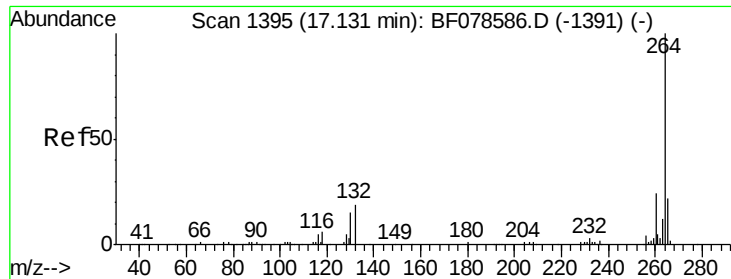
Lab File: BF078672.D

Acq: 21 Apr 2015 7:27

Tgt Ion:	276	Resp:	163567
Ion Ratio	Lower	Upper	
276	100		
138	4.7	16.9	25.3#
277	4.5	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





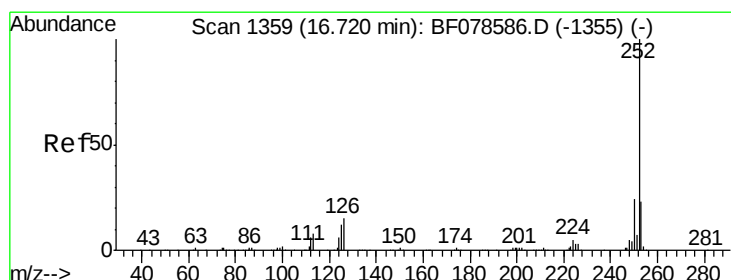
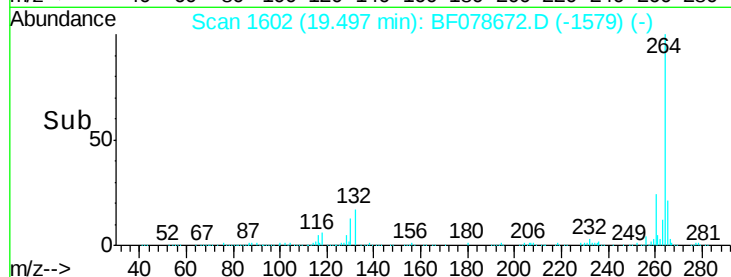
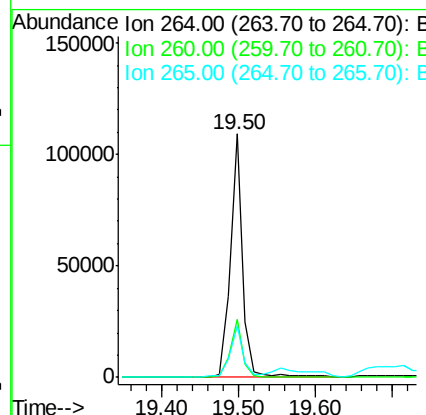
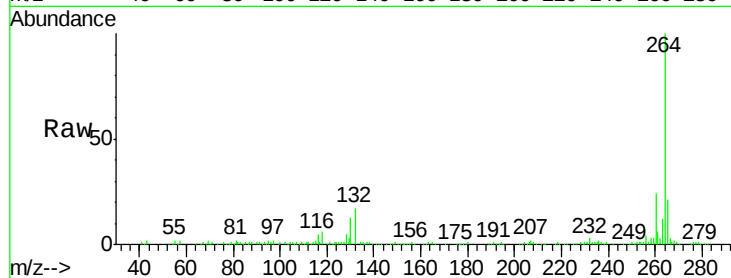
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.50 min Scan# 1602
Delta R.T. -0.03 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Instrument :
BNA_F
ClientSampled :
SP-B-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.0	18.6	27.8		
265	21.2	17.0	25.6		

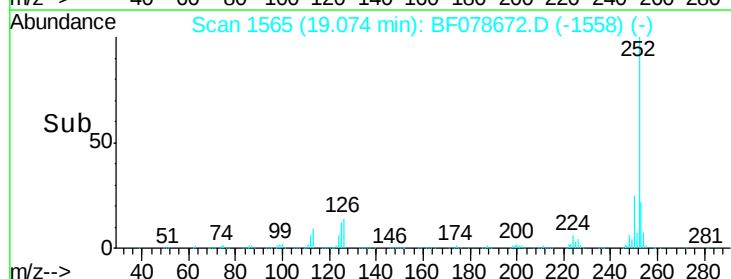
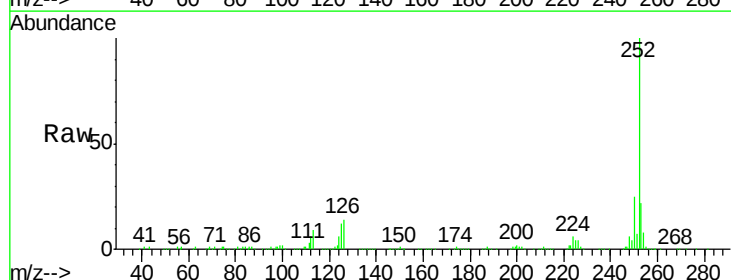
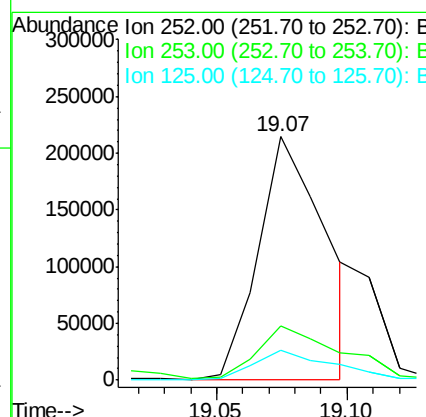
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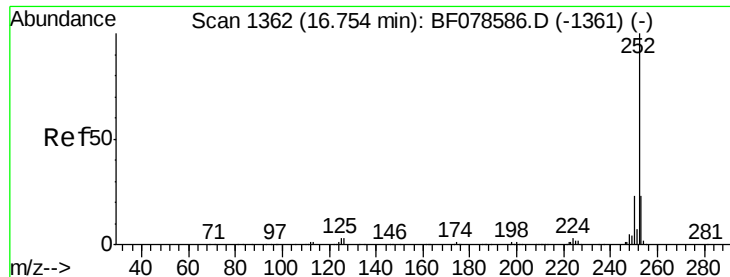
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4/21/2015 5:04:31 PM



#87
Benzo(b)fluoranthene
Concen: 50.05 ng m
RT: 19.07 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.1	17.2	25.8		
125	12.0	7.0	10.4		





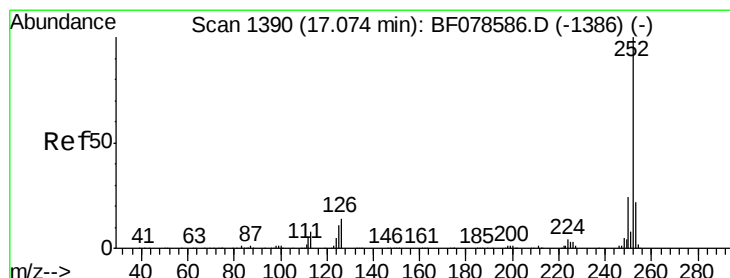
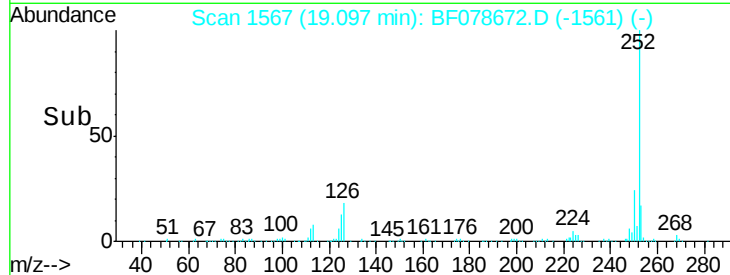
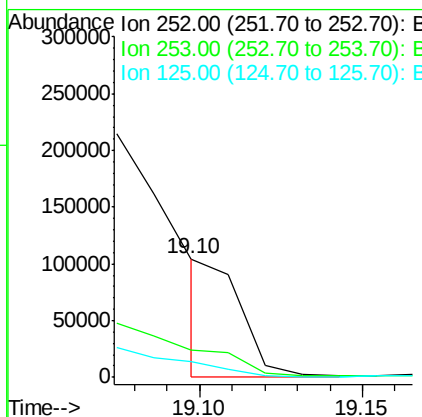
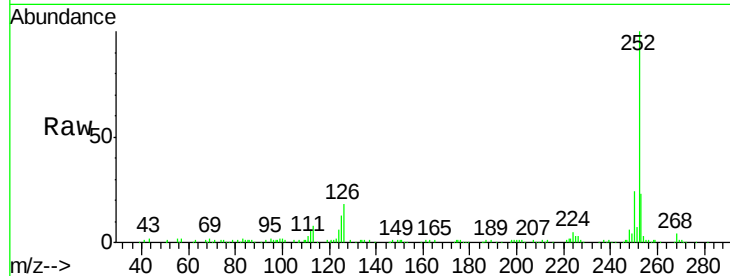
#88
Benzo(k)fluoranthene
Concen: 10.59 ng m
RT: 19.10 min Scan# 1567
Delta R.T. -0.03 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Instrument :
BNA_F
ClientSampled :
SP-B-3

Tot Ion:	252	Resp:	72465
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	12.9	11.6	17.4

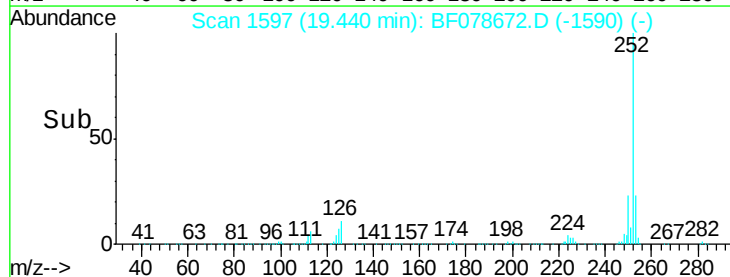
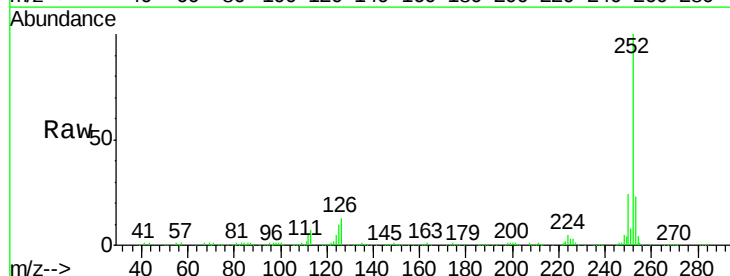
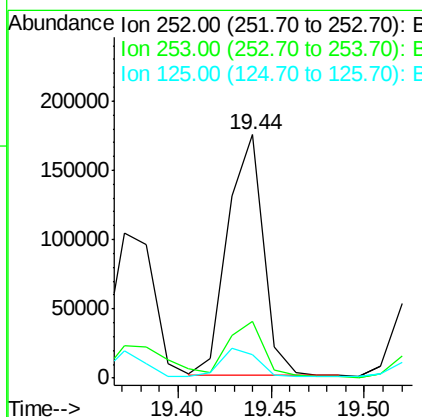
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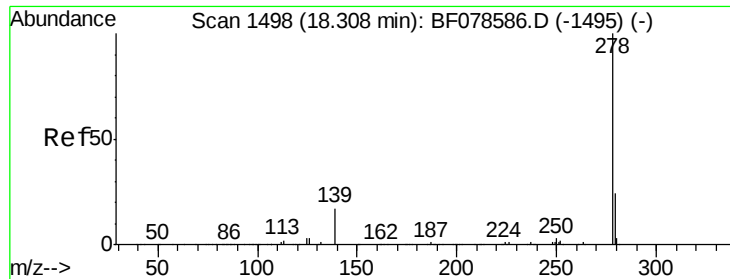
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#89
Benzo(a)pyrene
Concen: 34.64 ng
RT: 19.44 min Scan# 1597
Delta R.T. -0.02 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion:	252	Resp:	232879
Ion Ratio	Lower	Upper	
252	100		
253	23.3	16.8	25.2
125	9.7	7.4	11.0





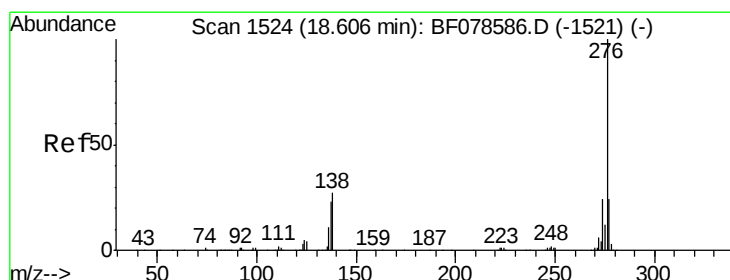
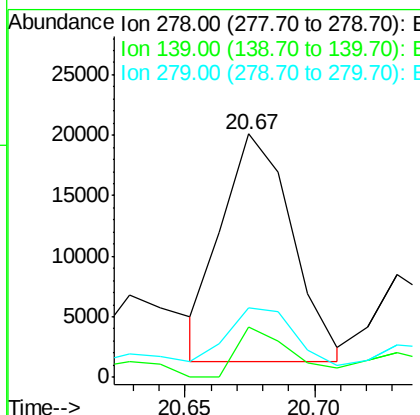
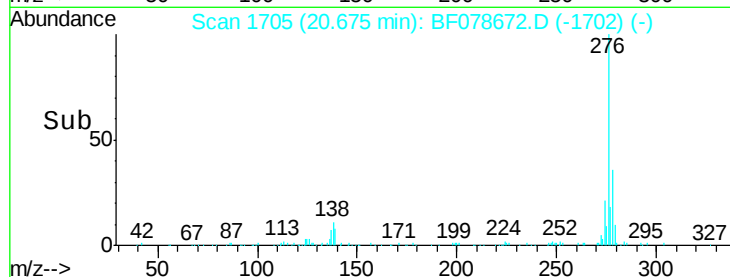
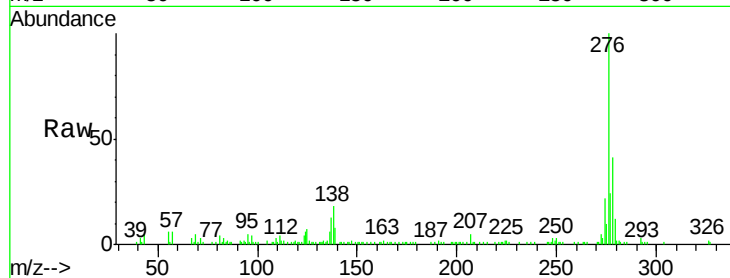
#90
Dibenzo(a,h)anthracene
Concen: 5.30 ng/mL
RT: 20.67 min Scan# 1705
Delta R.T. -0.07 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Instrument :
BNA_F
ClientSampleID :
SP-B-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.9	13.6	20.4
279	28.6	19.0	28.6

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#91
Benzo(g,h,i)perylene
Concen: 22.18 ng/mL
RT: 20.98 min Scan# 1732
Delta R.T. -0.06 min
Lab File: BF078672.D
Acq: 21 Apr 2015 7:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	22.8	19.9	29.9

