

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078670.D
 Acq On : 21 Apr 2015 6:25
 Operator : TP/IZ
 Sample : G1943-04 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1

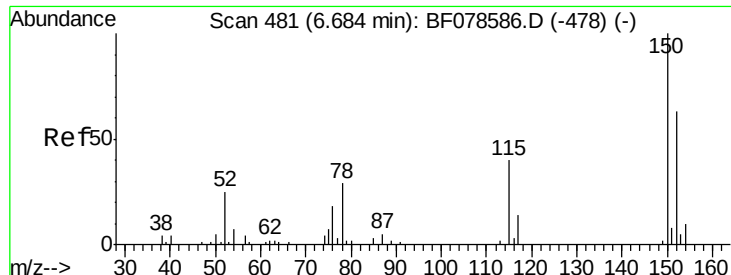
Manual Integrations
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 4/21/2015 5:04:21 PM

Quant Time: Apr 21 12:38:46 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 03:43:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	30936	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	128380	20.00	ng	-0.01
38) Acenaphthene-d10	11.20	164	63691	20.00	ng	-0.01
63) Phenanthrene-d10	13.94	188	127125	20.00	ng	0.00
75) Chrysene-d12	17.79	240	127590	20.00	ng	-0.01
86) Perylene-d12	19.51	264	128261	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	7069m	3.77	ng	0.01
7) Phenol-d6	5.37	99	9655m	4.11	ng	0.01
23) Nitrobenzene-d5	6.80	82	5320	2.51	ng	0.00
41) 2,4,6-Tribromophenol	12.69	330	1795	3.40	ng	0.00
44) 2-Fluorobiphenyl	10.02	172	14371	3.23	ng	-0.01
78) Terphenyl-d14	16.46	244	17148	3.04	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	11.26	154	8703	2.34	ng	98
57) Fluorene	12.22	166	13767	2.98	ng	100
70) Phenanthrene	13.98	178	301148	40.95	ng	99
71) Anthracene	14.07	178	81754	11.28	ng	99
72) Carbazole	14.40	167	24018	3.54	ng	98
74) Fluoranthene	15.86	202	579645	74.74	ng	98
77) Pyrene	16.17	202	535330	66.84	ng	# 94
80) Benzo(a)anthracene	17.78	228	267259	35.21	ng	97
82) Chrysene	17.83	228	216664	30.38	ng	99
85) Indeno(1,2,3-cd)pyrene	20.67	276	133614m	16.51	ng	
87) Benzo(b)fluoranthene	19.09	252	282083m	35.59	ng	
88) Benzo(k)fluoranthene	19.11	252	102125m	14.50	ng	
89) Benzo(a)pyrene	19.44	252	194350	28.09	ng	# 94
90) Dibenzo(a,h)anthracene	20.70	278	28341m	4.09	ng	
91) Benzo(a,h,i)perylene	20.99	276	121641	17.52	ng	99

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



#1

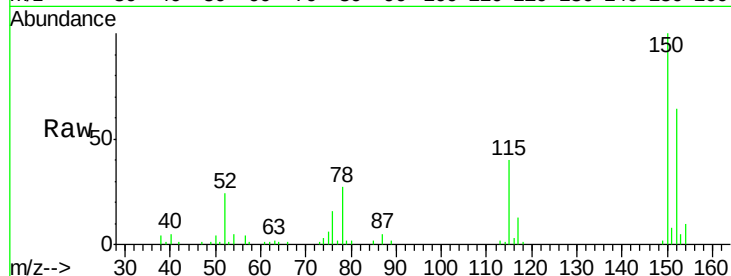
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 408
Delta R.T. -0.01 min
Lab File: BF078670.D
Acq: 21 Apr 2015 6:25

Instrument :
BNA_F
ClientSampleId :
SP-B-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.9	188.9
115	62.0	52.7	79.1

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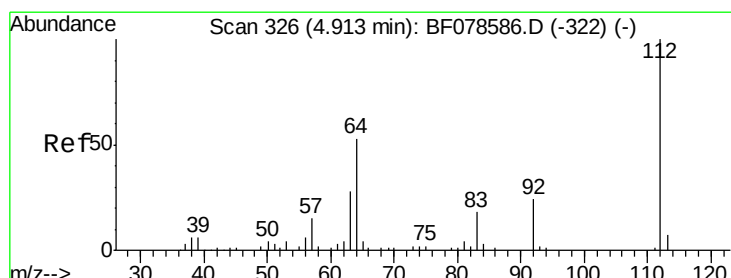
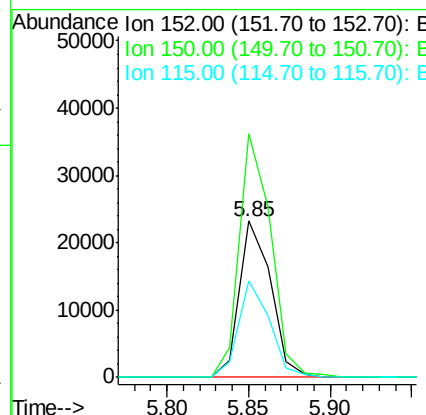
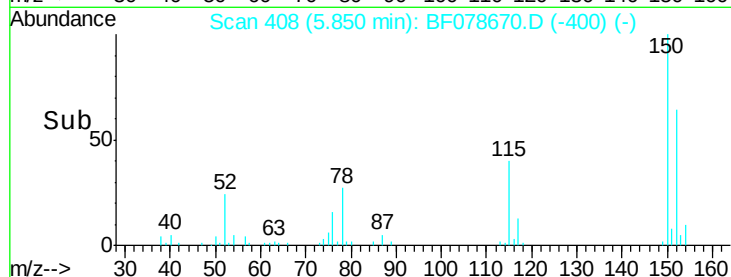


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

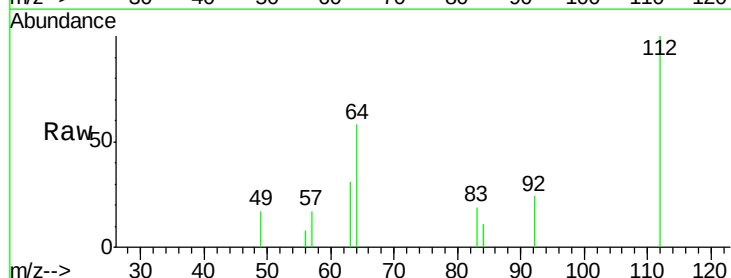
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 3.77 ng m
RT: 3.88 min Scan# 236
Delta R.T. 0.01 min
Lab File: BF078670.D
Acq: 21 Apr 2015 6:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	39.9	59.9
63	30.8	20.2	30.4

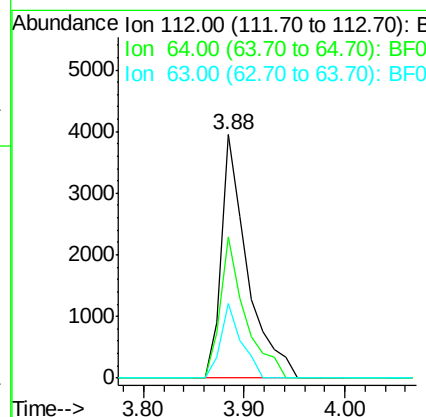
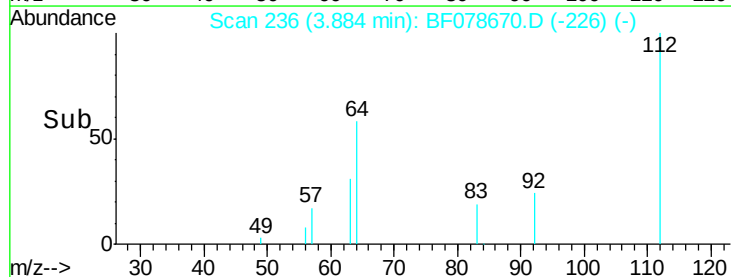


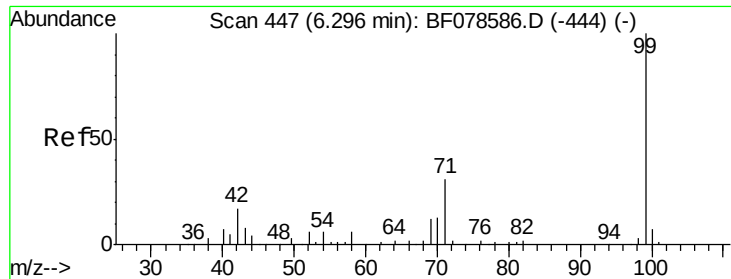
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 4.11 ng/mL

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Instrument :

BNA_F

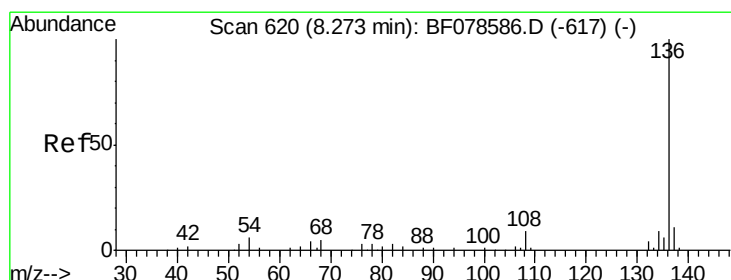
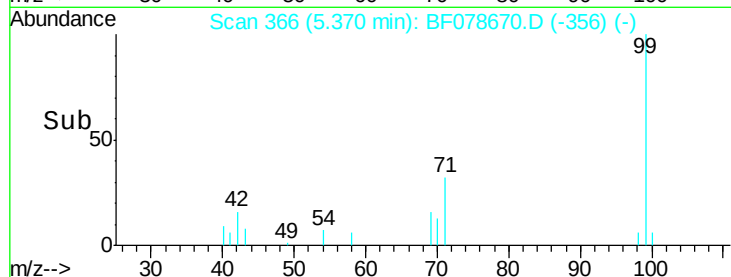
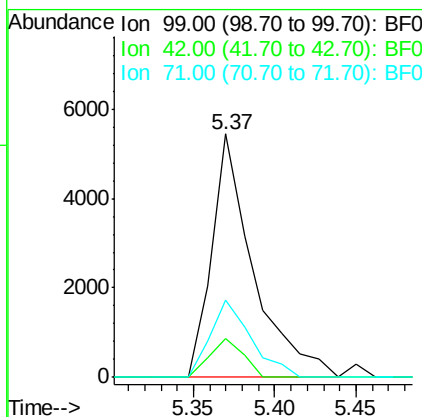
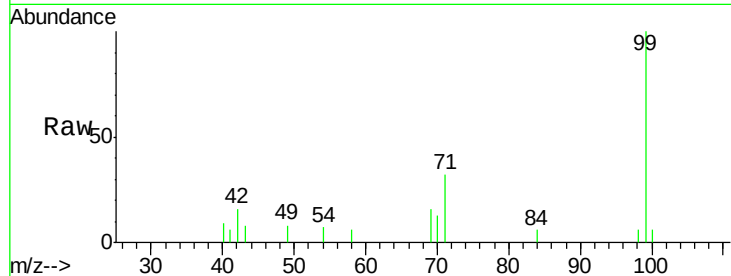
ClientSampled :

SP-B-1

Tot Ion:	99	Resp:	9655
Ion Ratio	Lower	Upper	
99	100		
42	15.7	14.8	22.2
71	31.6	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

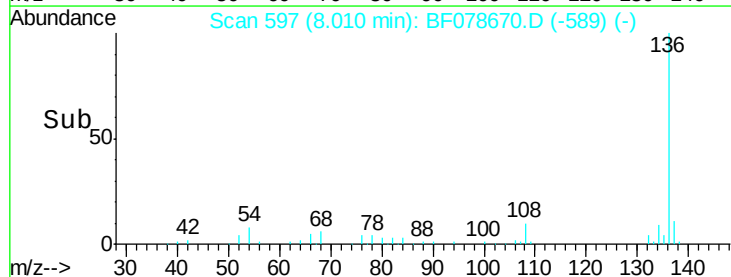
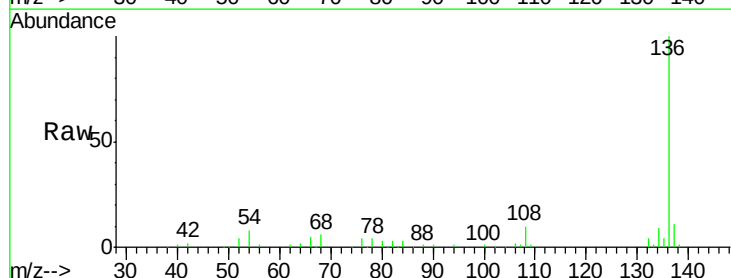
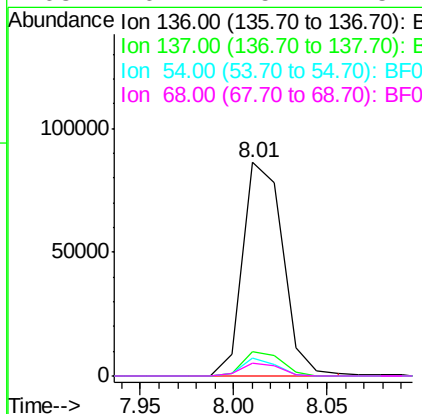
RT: 8.01 min Scan# 597

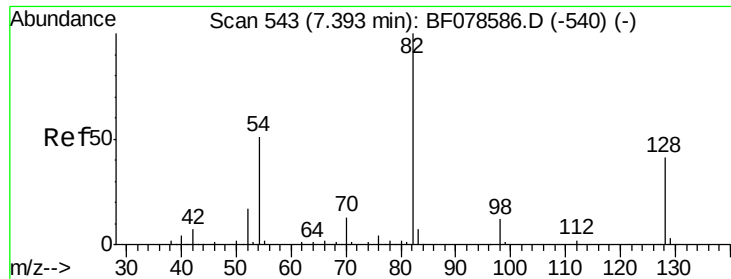
Delta R.T. -0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Tgt Ion:	136	Resp:	128380
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	8.5	7.0	10.6
68	6.1	5.4	8.2





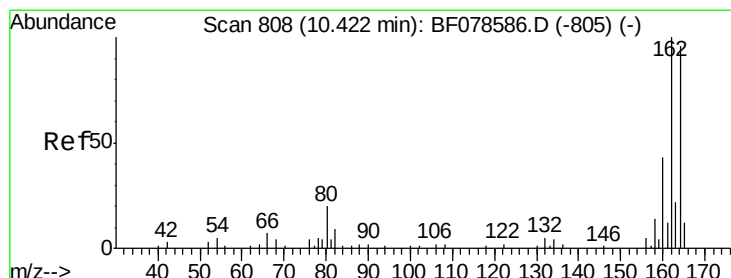
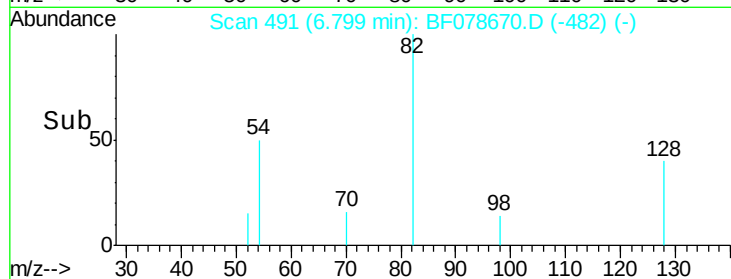
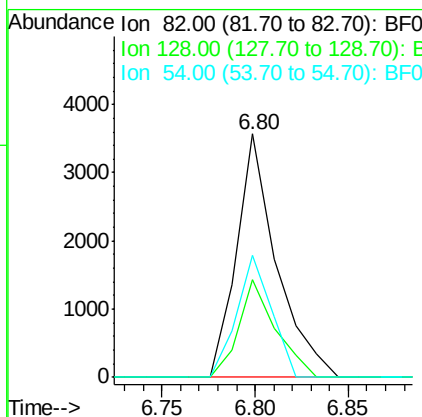
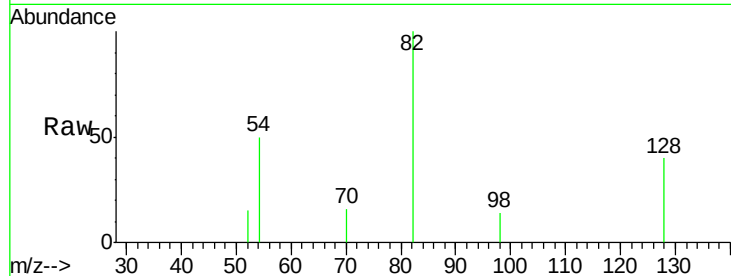
#23
 Nitrobenzene-d5
 Concen: 2.51 ng
 RT: 6.80 min Scan# 491
 Delta R.T. -0.00 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.1	31.8	47.8
54	50.1	41.5	62.3

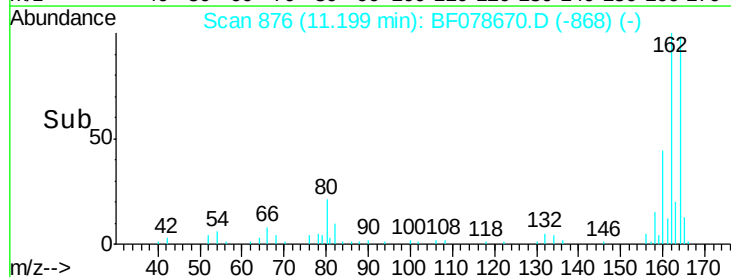
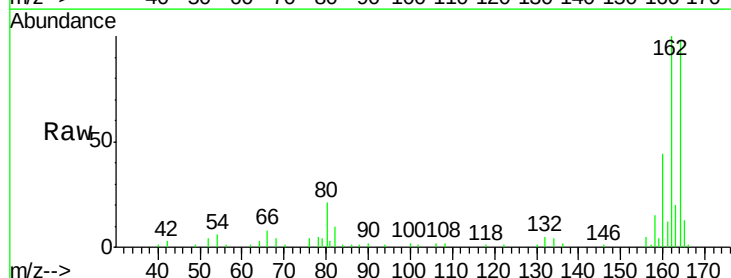
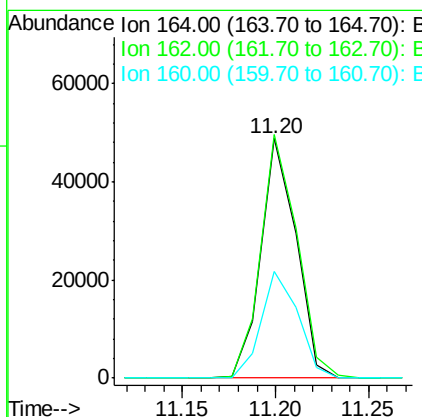
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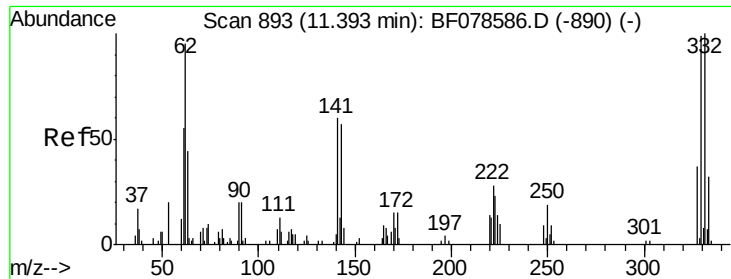
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.2	123.2
160	44.8	34.7	52.1





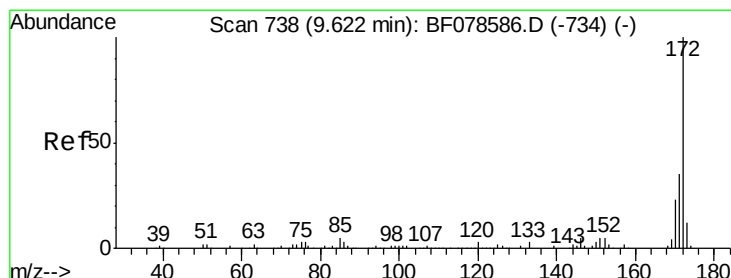
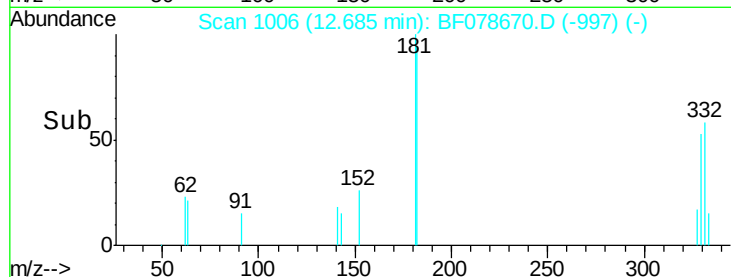
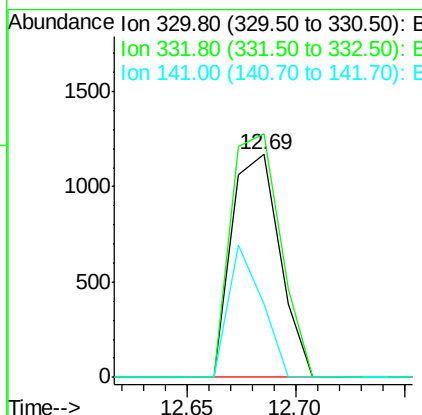
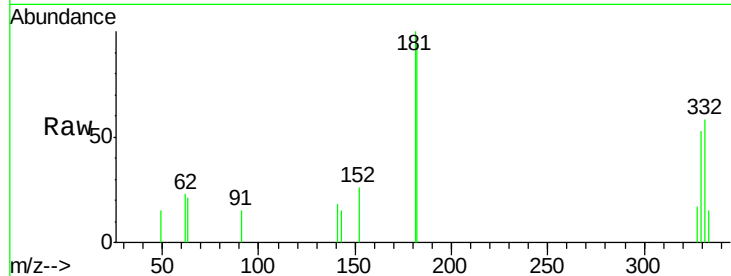
#41
 2,4,6-Tribromophenol
 Concen: 3.40 ng
 RT: 12.69 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	112.9	78.6	117.8
141	41.2	31.2	46.8

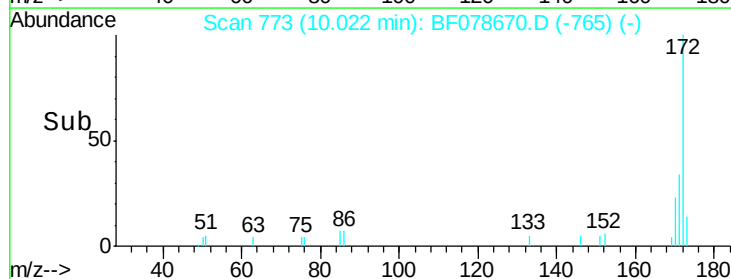
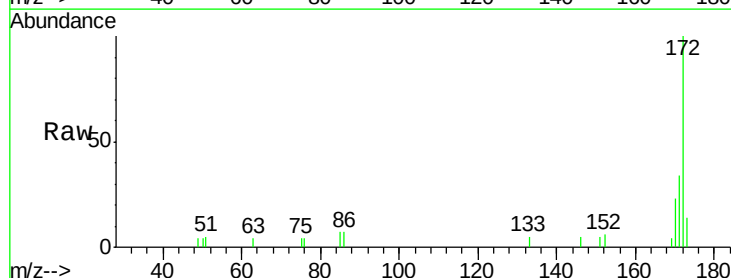
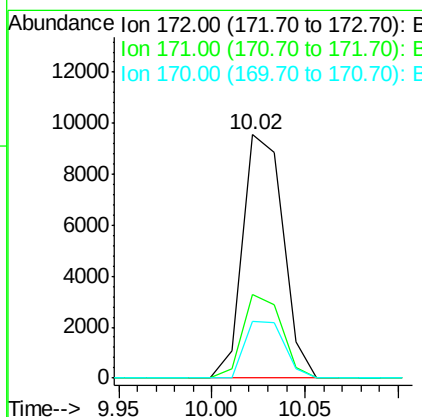
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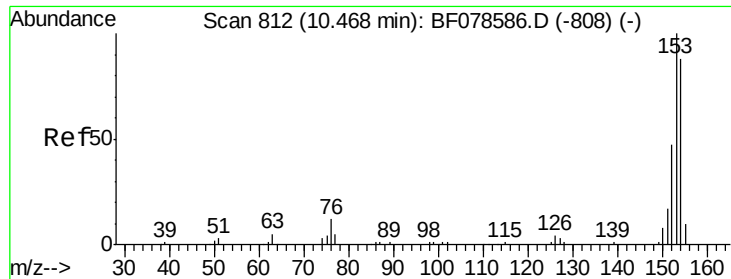
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#44
 2-Fluorobiphenyl
 Concen: 3.23 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.6	42.8
170	23.2	18.5	27.7





#51

Acenaphthene

Concen: 2.34 ng

RT: 11.26 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Instrument :

BNA_F

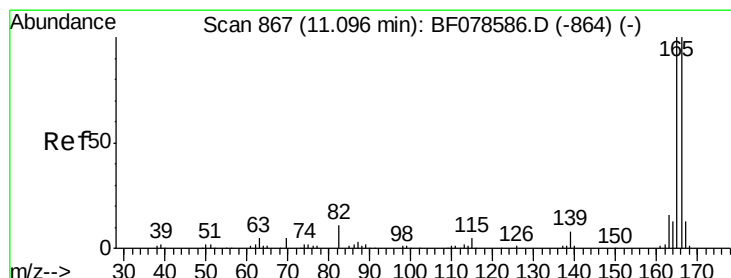
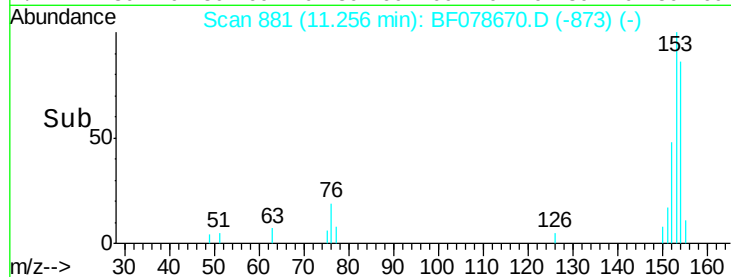
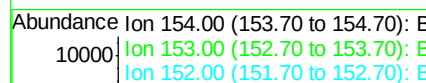
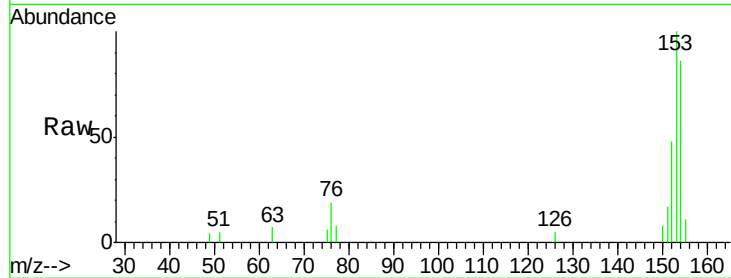
ClientSampled :

SP-B-1

Tot Ion:	154	Resp:	8703
Ion Ratio	Lower	Upper	
154	100		
153	116.8	91.4	137.2
152	55.6	43.0	64.6

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#57

Fluorene

Concen: 2.98 ng

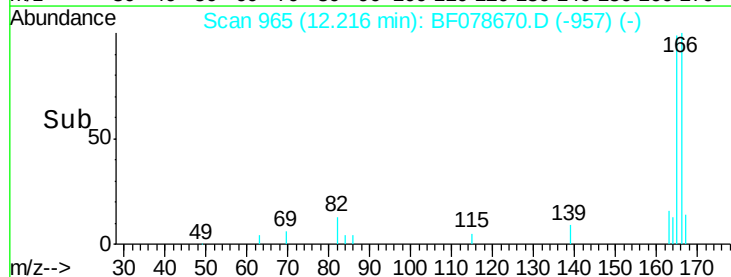
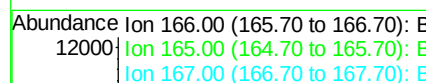
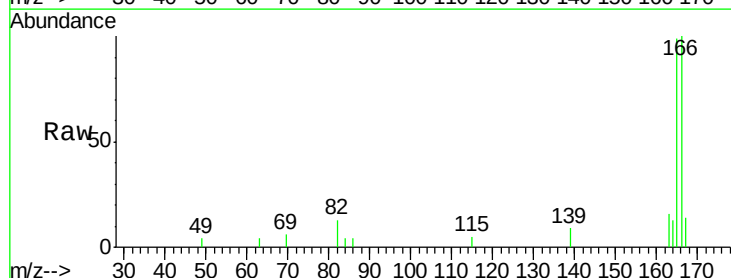
RT: 12.22 min Scan# 965

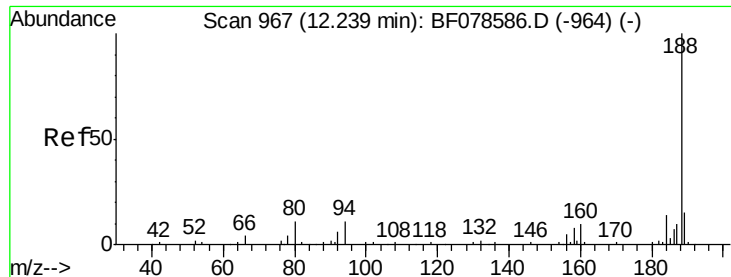
Delta R.T. -0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Tgt Ion:	166	Resp:	13767
Ion Ratio	Lower	Upper	
166	100		
165	99.0	78.9	118.3
167	13.7	10.7	16.1





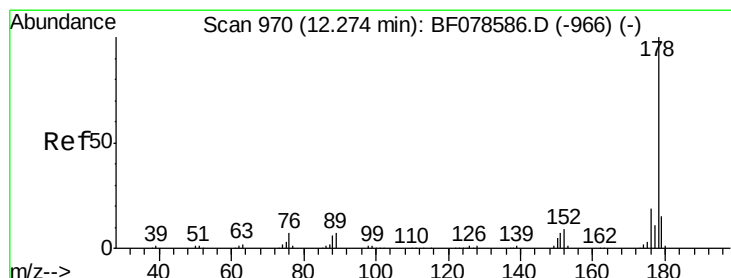
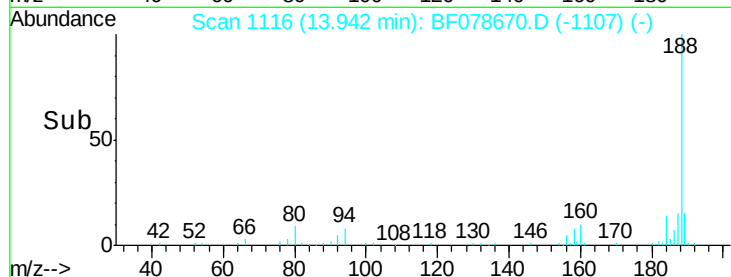
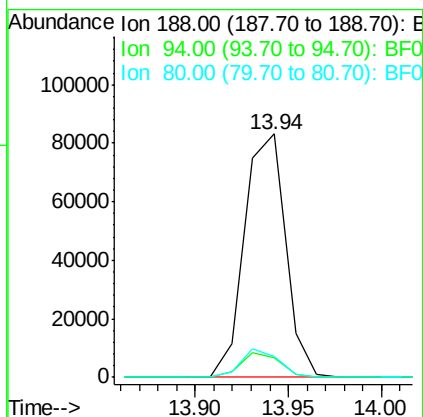
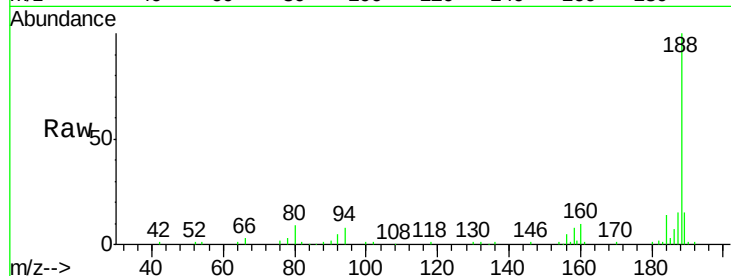
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. -0.00 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Instrument :
 BNA_F
 ClientSampleID :
 SP-B-1

Tot Ion	188	Resp	127125
Ion Ratio	Lower	Upper	
188	100		
94	8.3	9.0	13.4#
80	8.6	9.5	14.3#

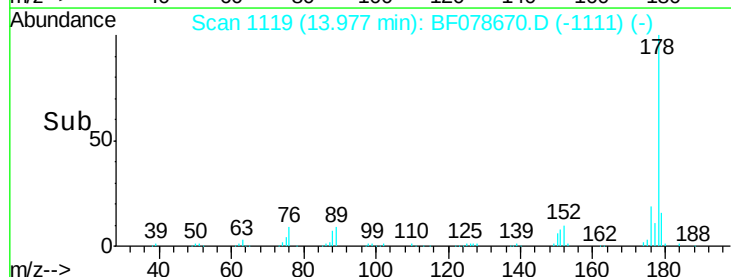
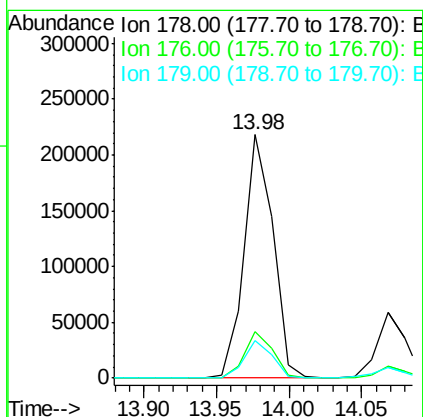
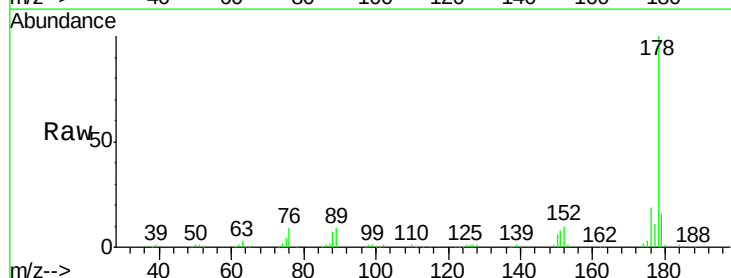
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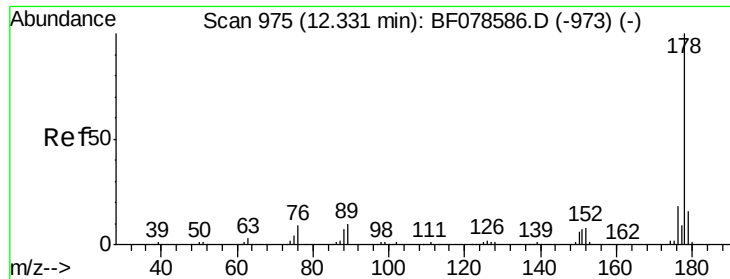
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#70
 Phenanthrene
 Concen: 40.95 ng
 RT: 13.98 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Tgt Ion	178	Resp	301148
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.0
179	15.5	12.2	18.2





#71

Anthracene

Concen: 11.28 ng

RT: 14.07 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Instrument :

BNA_F

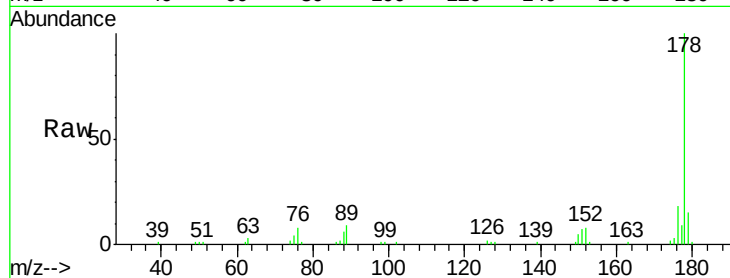
ClientSampled :

SP-B-1

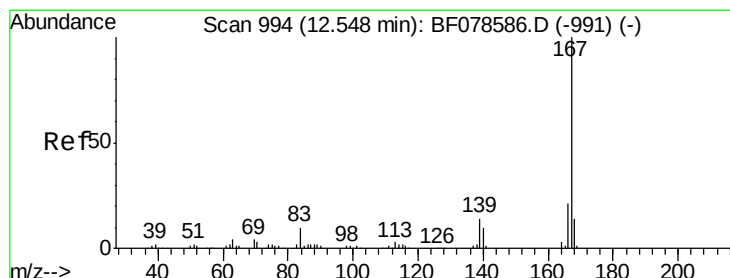
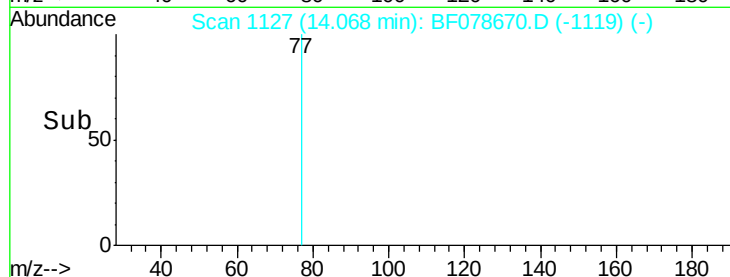
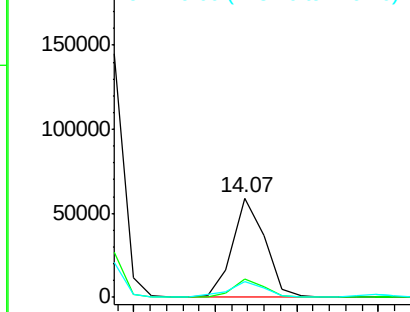
Tot Ion:	178	Resp:	81754
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.8	22.2
179	15.5	12.4	18.6

Manual Integrations
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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



#72

Carbazole

Concen: 3.54 ng

RT: 14.40 min Scan# 1156

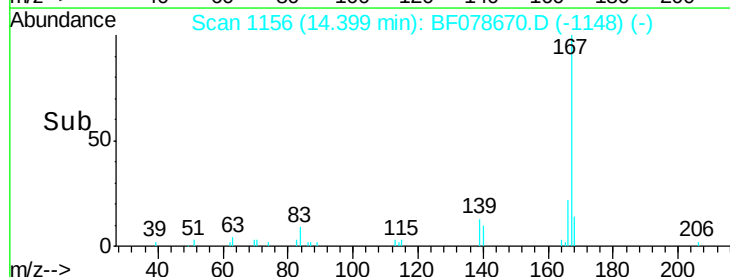
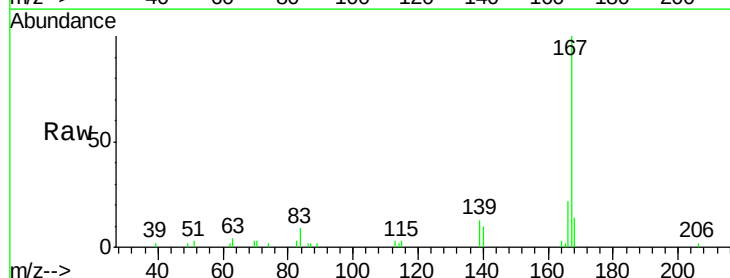
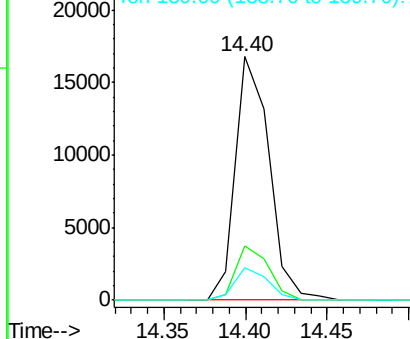
Delta R.T. -0.01 min

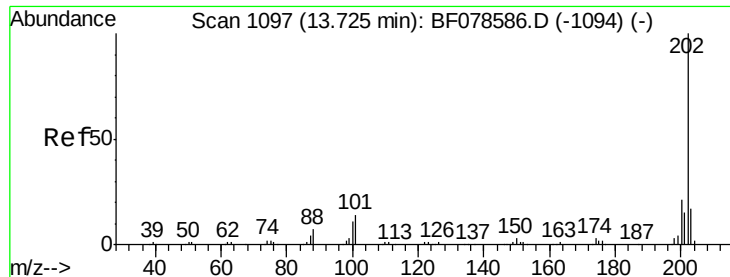
Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Tgt Ion:	167	Resp:	24018
Ion Ratio	Lower	Upper	
167	100		
166	22.3	16.8	25.2
139	13.3	10.0	15.0

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 74.74 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Instrument :

BNA_F

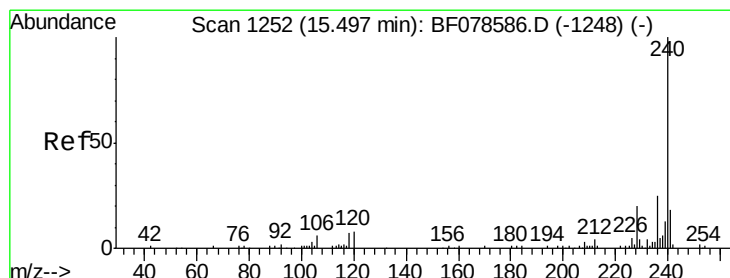
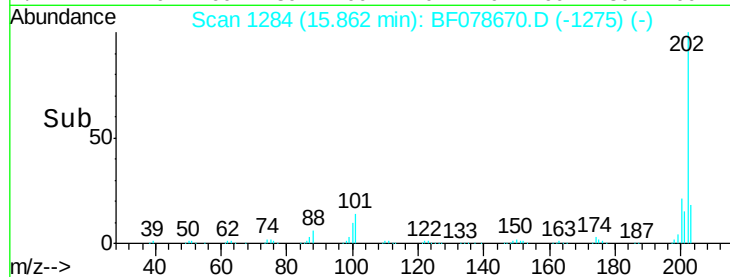
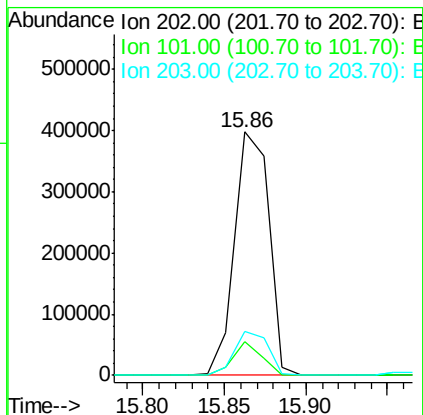
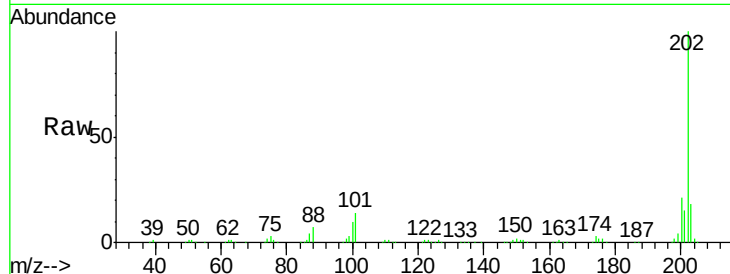
ClientSampled :

SP-B-1

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

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#75

Chrysene-d12

Concen: 20.00 ng

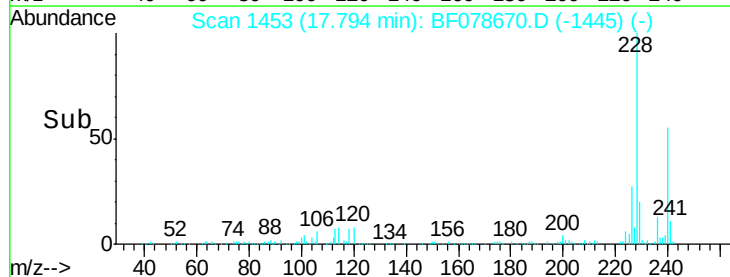
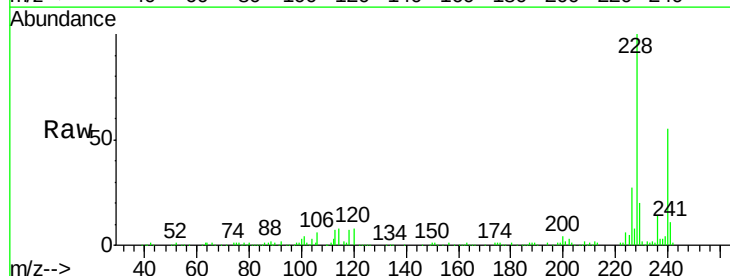
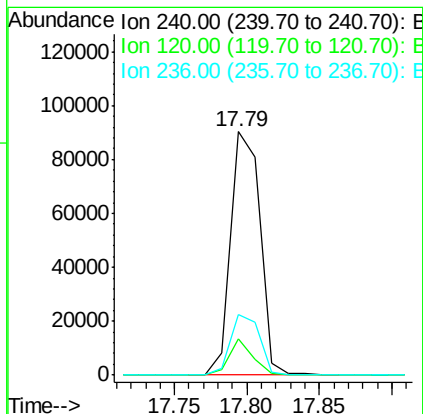
RT: 17.79 min Scan# 1453

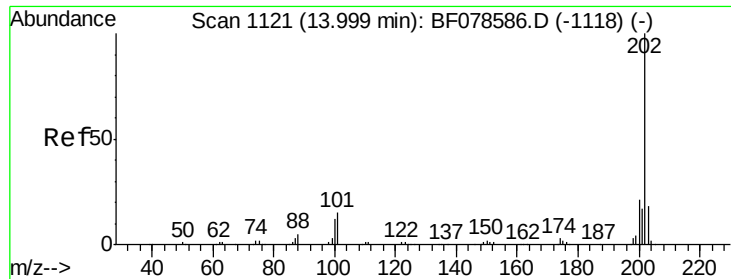
Delta R.T. -0.01 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.9	7.1	10.7#
236	25.0	21.4	32.2





#77

Pvrene

Concen: 66.84 ng

RT: 16.17 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Instrument :

BNA_F

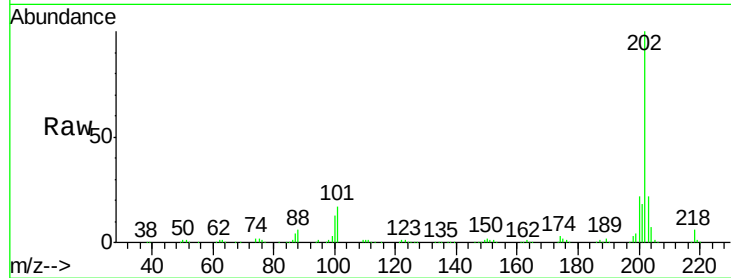
ClientSampleId :

SP-B-1

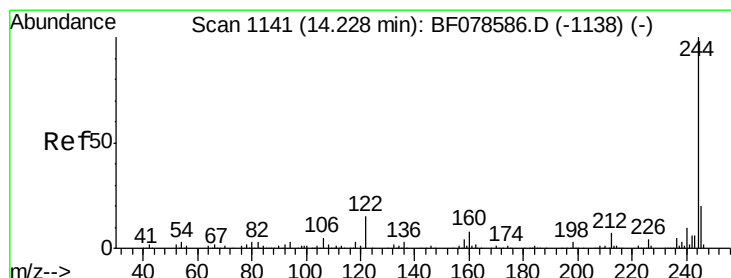
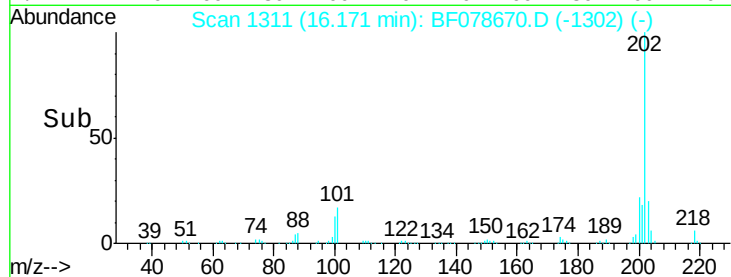
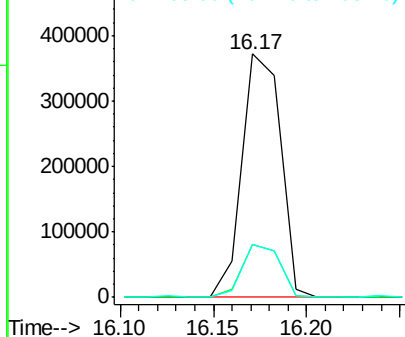
Tot Ion	Ion	Ratio	Resp Lower	Upper
202	100			
200	21.5	16.3	24.5	
203	21.8	13.8	20.6	

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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: 3.04 ng

RT: 16.46 min Scan# 1336

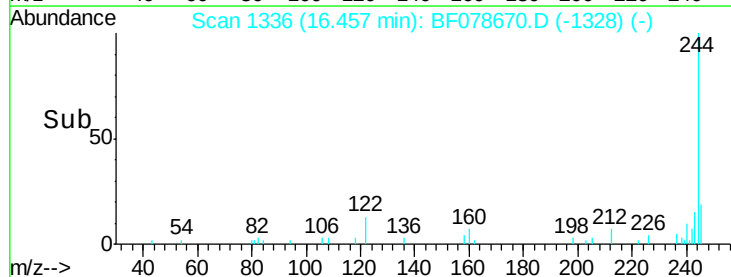
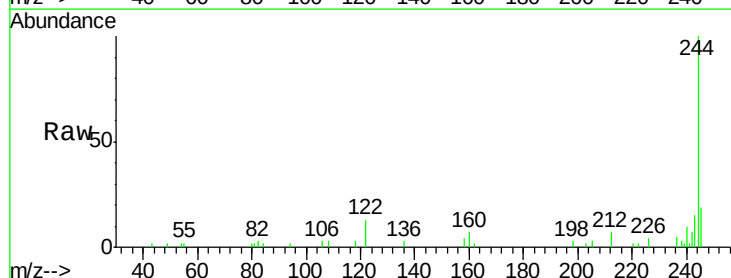
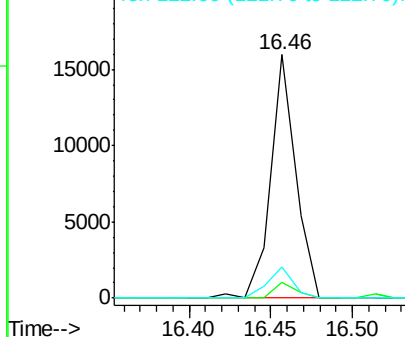
Delta R.T. -0.01 min

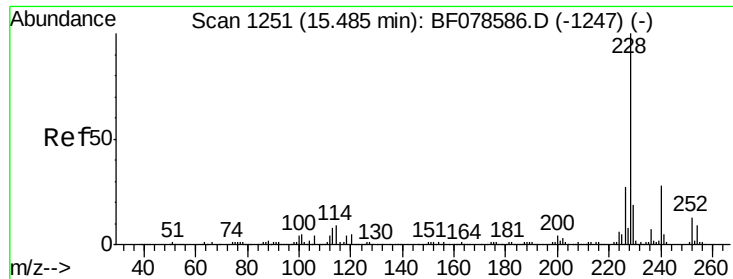
Lab File: BF078670.D

Acq: 21 Apr 2015 6:25

Tgt Ion	Ion	Ratio	Resp Lower	Upper
244	100			
212	6.6	5.0	7.4	
122	12.8	7.1	10.7	

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





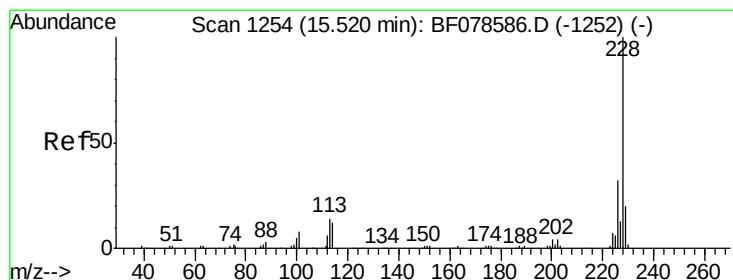
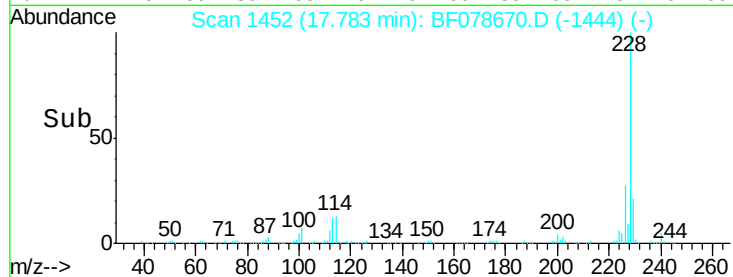
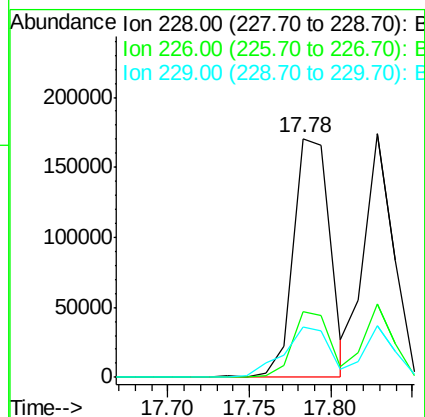
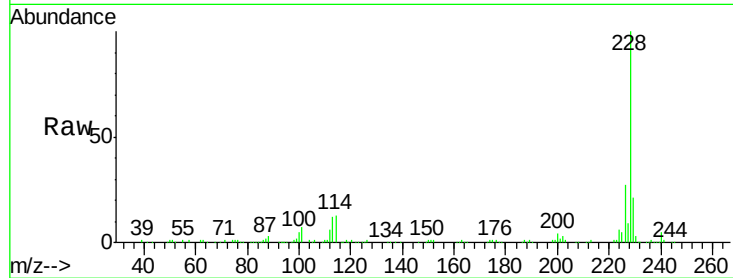
#80
Benzo(a)anthracene
Concen: 35.21 ng
RT: 17.78 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF078670.D
Acq: 21 Apr 2015 6:25

Instrument :
BNA_F
ClientSampleId :
SP-B-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.3	31.9
229	21.3	15.4	23.2

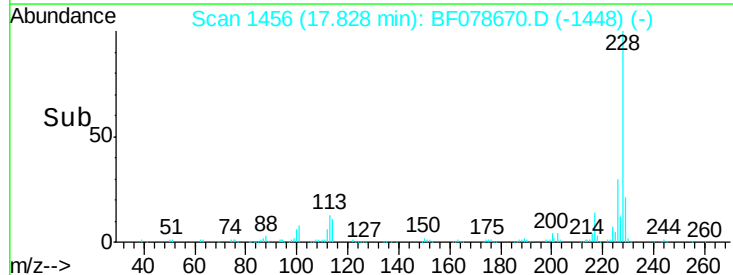
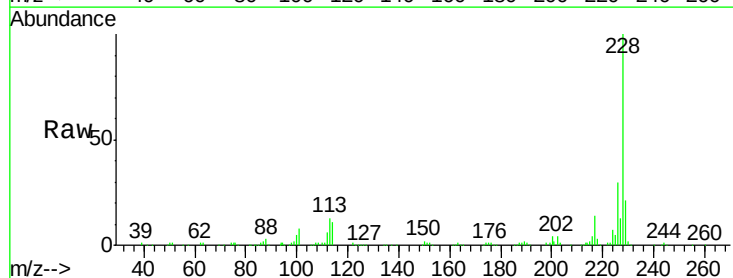
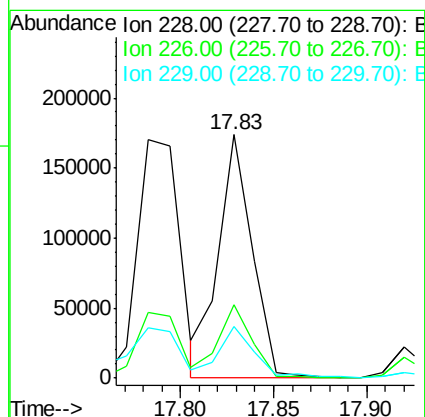
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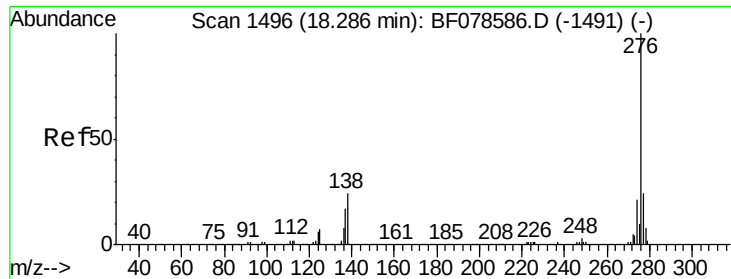
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#82
Chrysene
Concen: 30.38 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BF078670.D
Acq: 21 Apr 2015 6:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.4
229	21.1	15.8	23.8





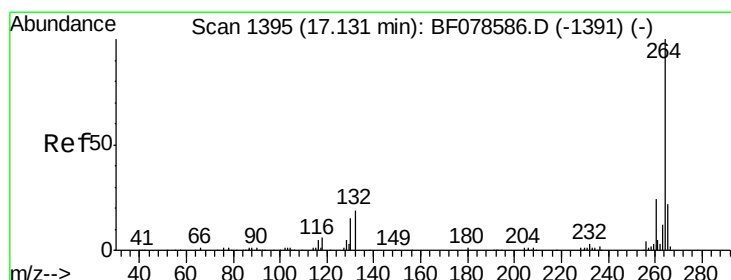
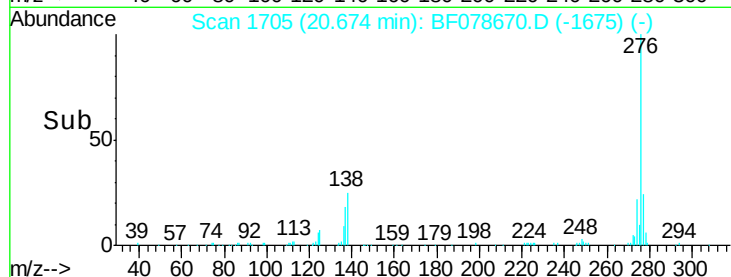
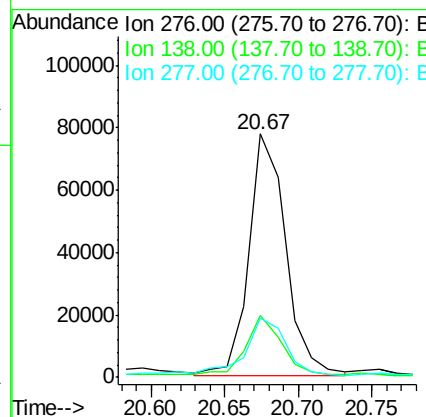
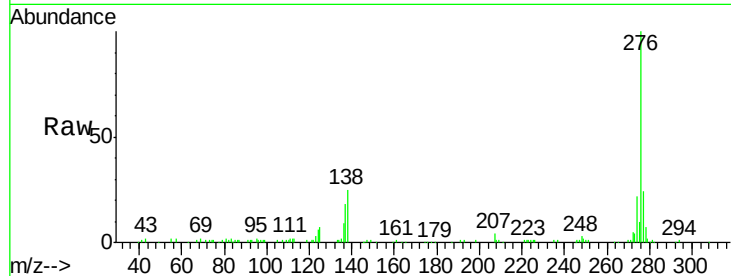
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 16.51 ng/mL
 RT: 20.67 min Scan# 1705
 Delta R.T. 0.05 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Instrument :
 BNA_F
 ClientSampled :
 SP-B-1

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	4.8	16.9	25.3#
277	4.6	15.8	23.6#

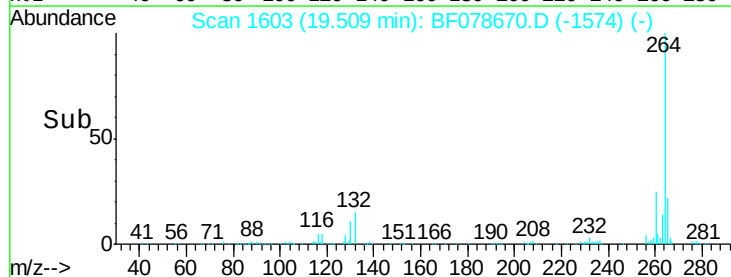
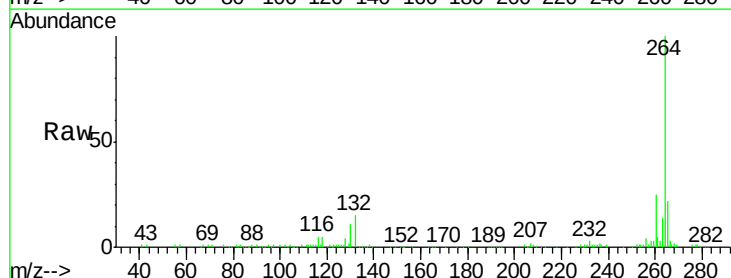
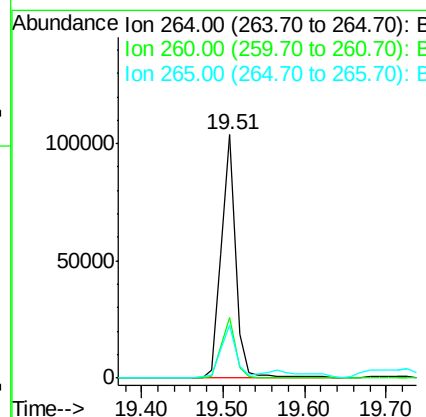
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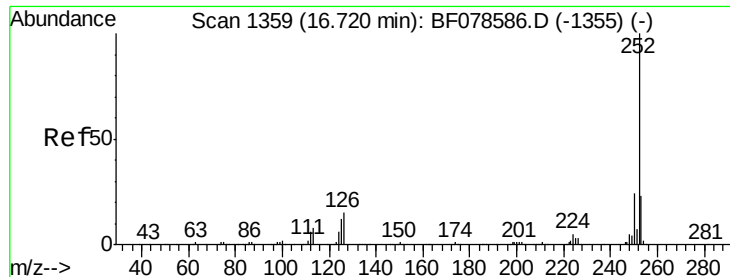
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.51 min Scan# 1603
 Delta R.T. 0.03 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.7	18.6	27.8
265	21.7	17.0	25.6





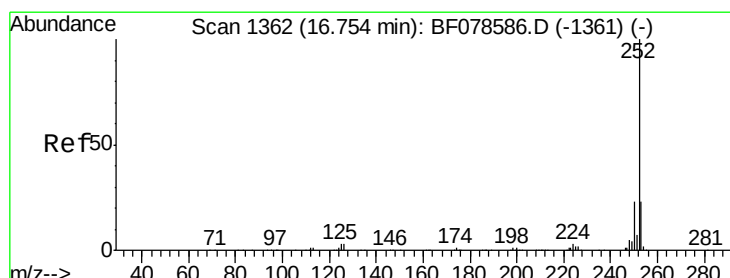
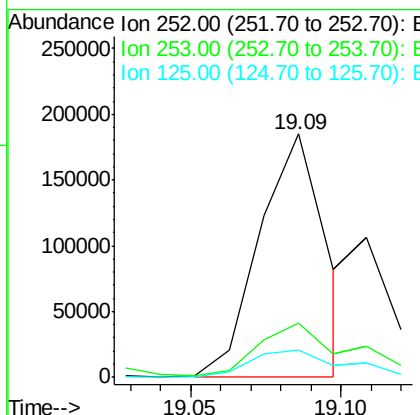
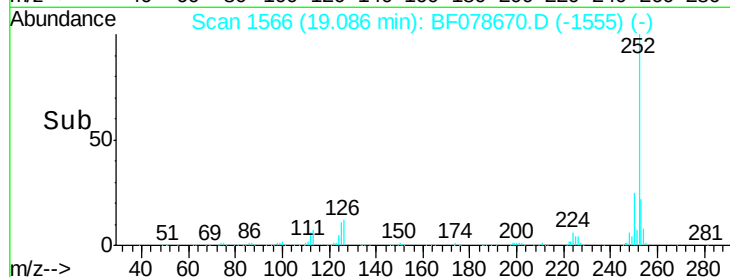
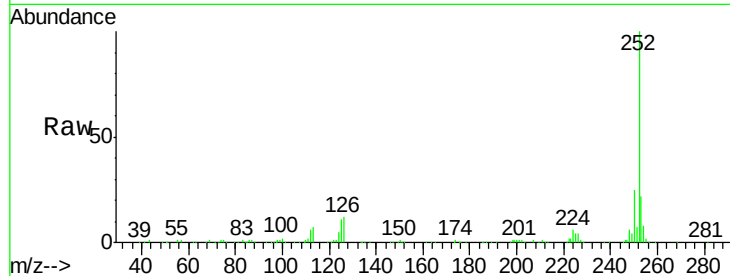
#87
Benzo(b)fluoranthene
Concen: 35.59 ng m
RT: 19.09 min Scan# 1566
Delta R.T. 0.02 min
Lab File: BF078670.D
Acq: 21 Apr 2015 6:25

Instrument :
BNA_F
ClientSampled :
SP-B-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.2	7.0	10.4

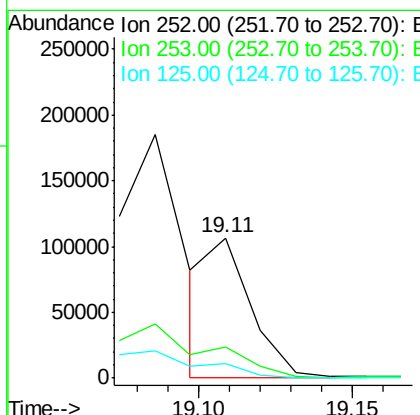
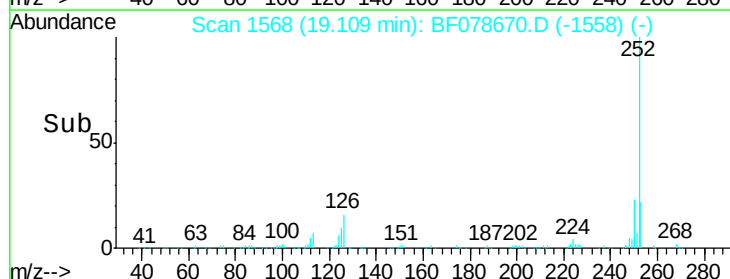
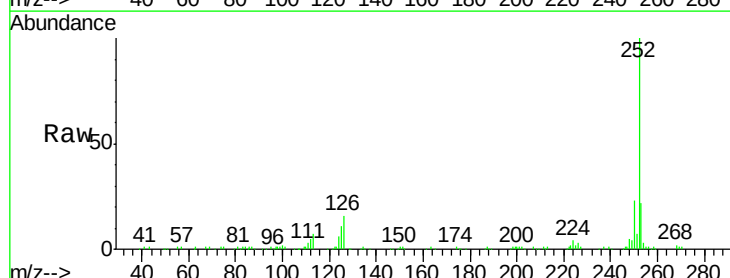
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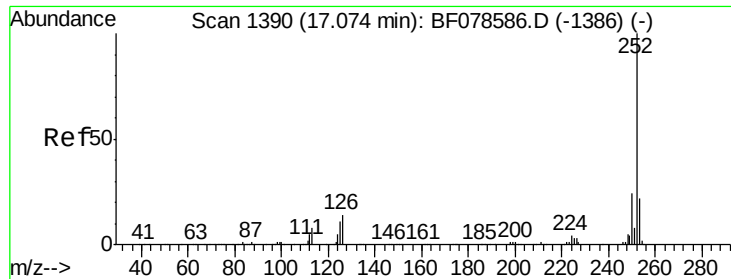
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#88
Benzo(k)fluoranthene
Concen: 14.50 ng m
RT: 19.11 min Scan# 1568
Delta R.T. 0.01 min
Lab File: BF078670.D
Acq: 21 Apr 2015 6:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.7	11.6	17.4





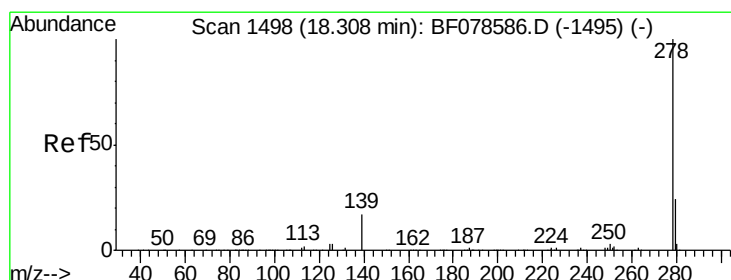
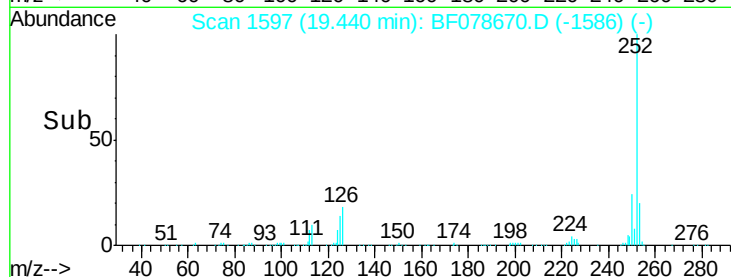
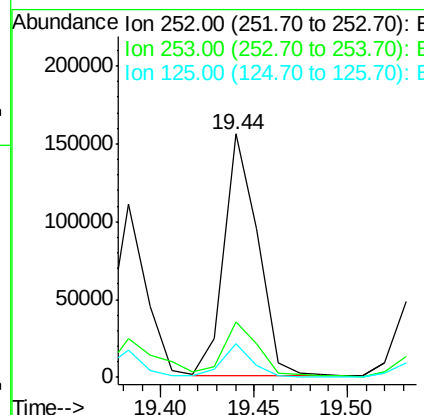
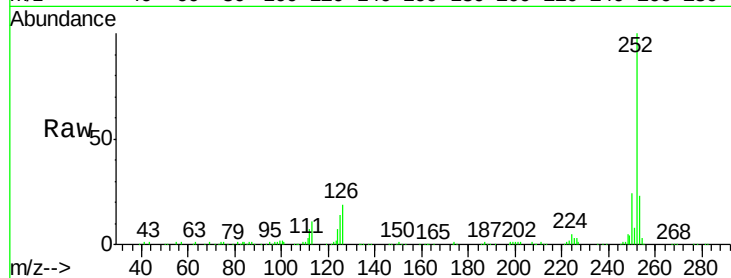
#89
Benzo(a)pyrene
Concen: 28.09 ng
RT: 19.44 min Scan# 1597
Delta R.T. 0.02 min
Lab File: BF078670.D
Acq: 21 Apr 2015 6:25

Instrument :
BNA_F
ClientSampled :
SP-B-1

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.7	16.8	25.2
125	13.8	7.4	11.0

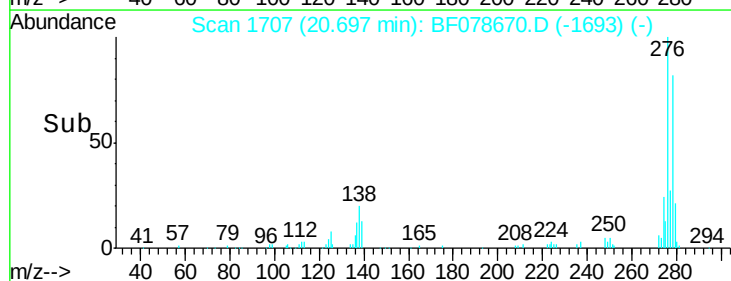
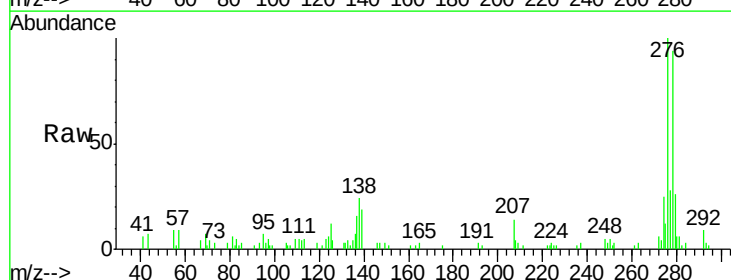
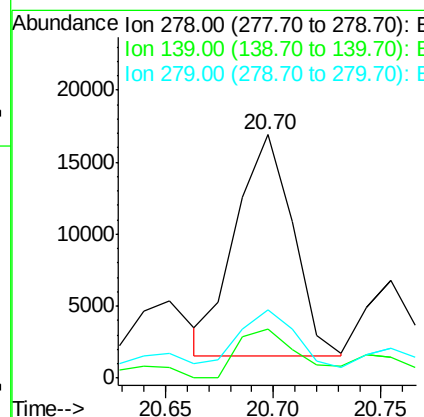
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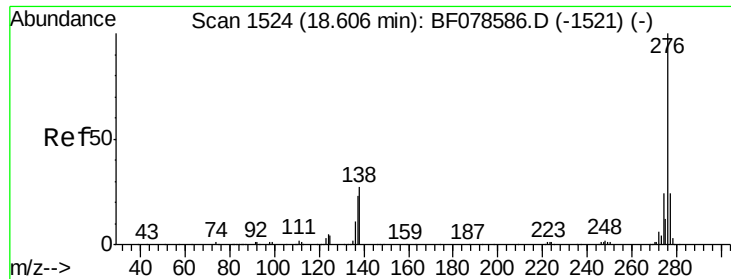
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#90
Dibenzo(a,h)anthracene
Concen: 4.09 ng m
RT: 20.70 min Scan# 1707
Delta R.T. 0.06 min
Lab File: BF078670.D
Acq: 21 Apr 2015 6:25

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	20.4	13.6	20.4
279	28.3	19.0	28.6





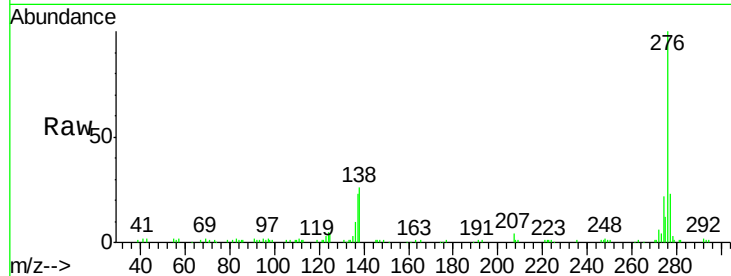
#91
 Benzo(a,h,i)perylene
 Concen: 17.52 ng
 RT: 20.99 min Scan# 1733
 Delta R.T. 0.05 min
 Lab File: BF078670.D
 Acq: 21 Apr 2015 6:25

Instrument :
 BNA_F
 ClientSampleId :
 SP-B-1

Tot Ion:	276	Resp:	121641
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.0	28.4
138	26.1	19.9	29.9

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

