

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
 Data File : BF078707.D
 Acq On : 22 Apr 2015 5:36
 Operator : TP/IZ
 Sample : G1880-03DL 25X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Manual Integrations
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Quant Time: Apr 22 06:49:14 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	33778	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	142365	20.00	ng	-0.01
38) Acenaphthene-d10	11.17	164	73026	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	145383	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	158807	20.00	ng	0.00
86) Perylene-d12	19.47	264	162711	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.85	112	5404	2.64	ng	0.01
7) Phenol-d6	5.34	99	6977	2.72	ng	0.01
23) Nitrobenzene-d5	6.76	82	4015	1.71	ng	0.00
41) 2,4,6-Tribromophenol	12.64	330	1298	2.14	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	11008	2.15	ng	-0.01
78) Terphenyl-d14	16.42	244	12503	1.78	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	10.90	152	21450	2.83	ng	99
57) Fluorene	12.18	166	12920	2.44	ng	92
70) Phenanthrene	13.94	178	214921	25.56	ng	99
71) Anthracene	14.03	178	59441	7.17	ng	100
72) Carbazole	14.37	167	16142	2.08	ng	97
74) Fluoranthene	15.84	202	333668	37.62	ng	90
77) Pyrene	16.15	202	290013	29.09	ng	97
80) Benzo(a)anthracene	17.76	228	185545	19.64	ng	98
82) Chrysene	17.81	228	128572	14.48	ng	97
85) Indeno(1,2,3-cd)pyrene	20.64	276	82063	8.15	ng	# 89
87) Benzo(b)fluoranthene	19.05	252	179606m	17.86	ng	
88) Benzo(k)fluoranthene	19.07	252	64467m	7.21	ng	
89) Benzo(a)pyrene	19.41	252	128730	14.67	ng	# 94
90) Dibenzo(a,h)anthracene	20.65	278	19445m	2.21	ng	
91) Benzo(a,h,i)perylene	20.95	276	73373	8.33	ng	99

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

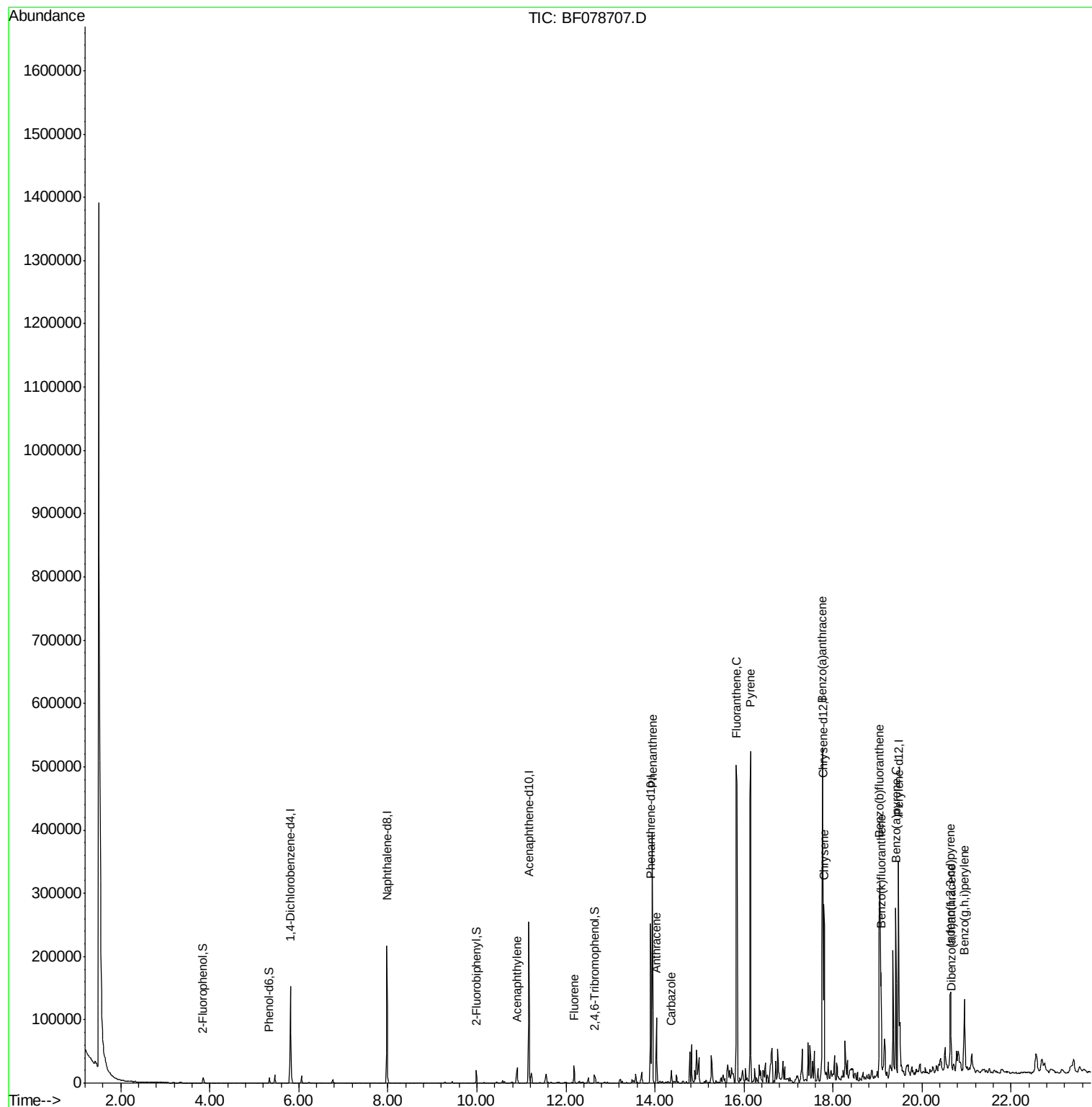
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
Data File : BF078707.D
Acq On : 22 Apr 2015 5:36
Operator : TP/IZ
Sample : G1880-03DL 25X
Misc :
ALS Vial : 22 Sample Multiplier: 1

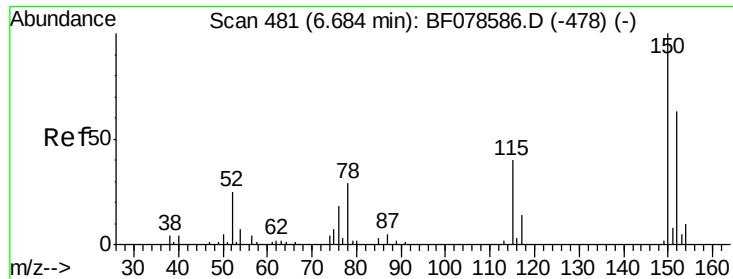
Instrument :
BNA_F
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Quant Time: Apr 22 06:49:14 2015
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#1

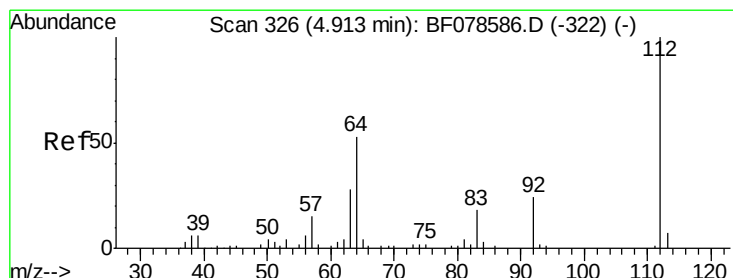
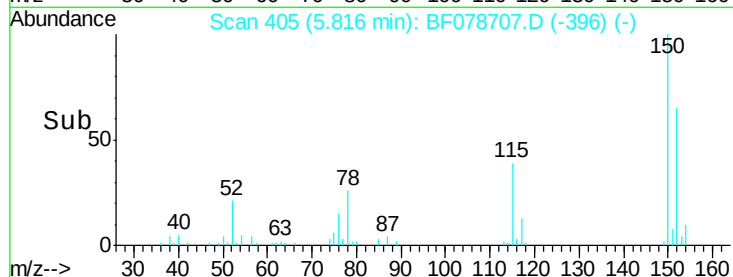
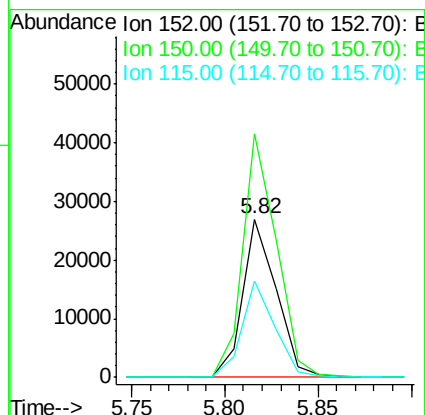
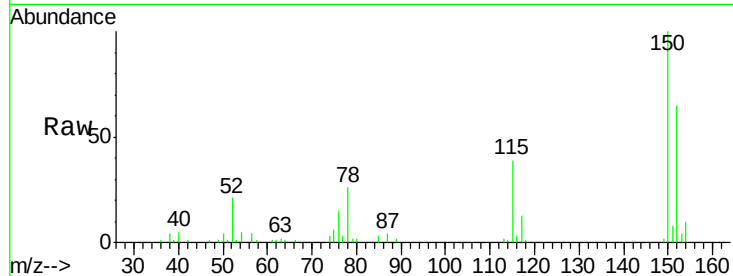
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 405
Delta R.T. 0.00 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	125.9	188.9
115	60.8	52.7	79.1

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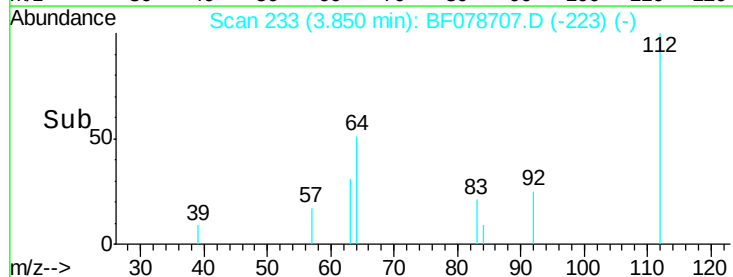
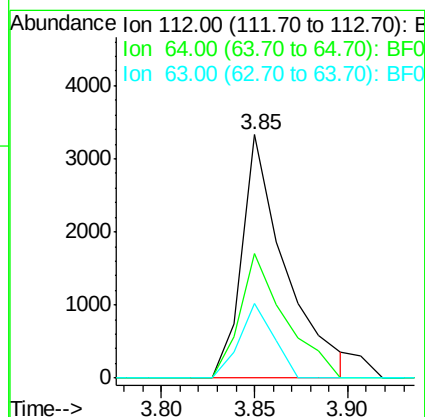
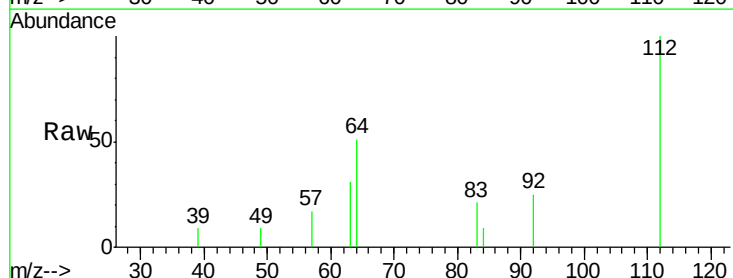
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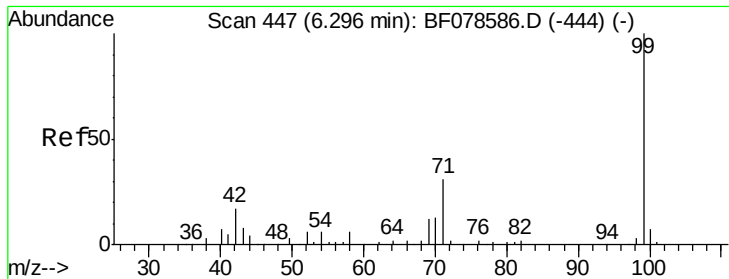


#5

2-Fluorophenol
Concen: 2.64 ng
RT: 3.85 min Scan# 233
Delta R.T. 0.01 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	39.9	59.9
63	30.9	20.2	30.4





#7

Phenol-d6

Concen: 2.72 ng

RT: 5.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Instrument :

BNA_F

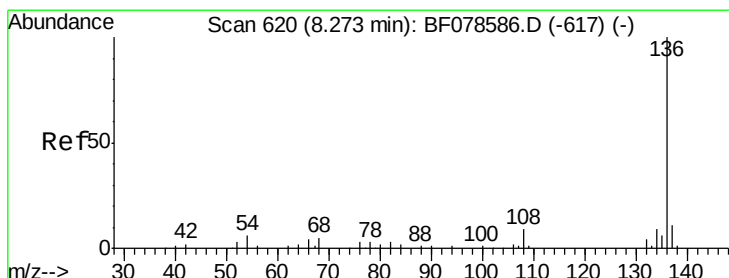
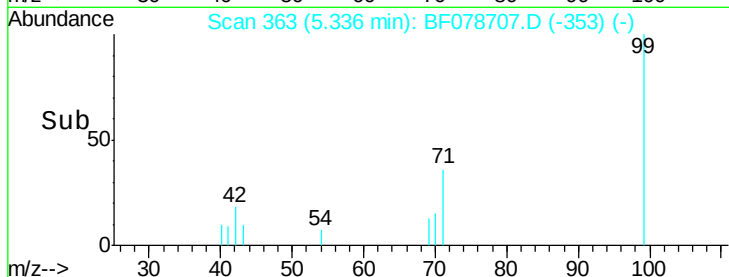
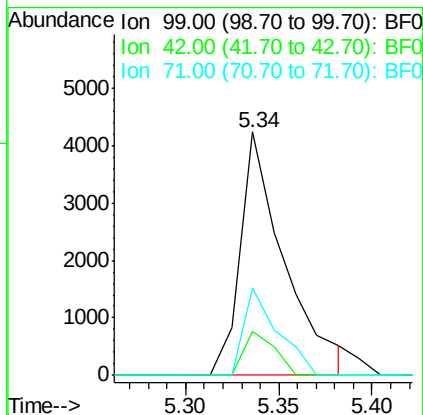
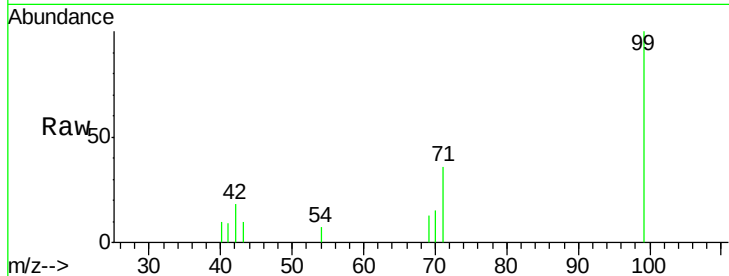
ClientSampled :

S2-1-4DL

Tot Ion:	99	Resp:	6977
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.8	22.2
71	35.9	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

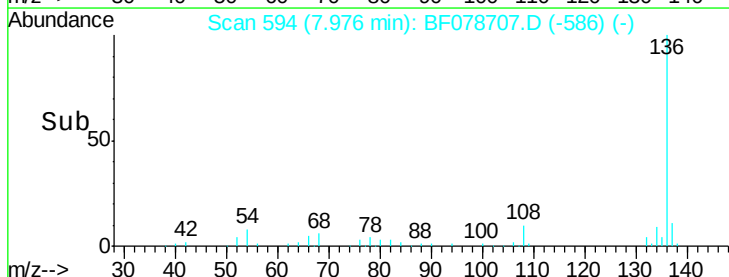
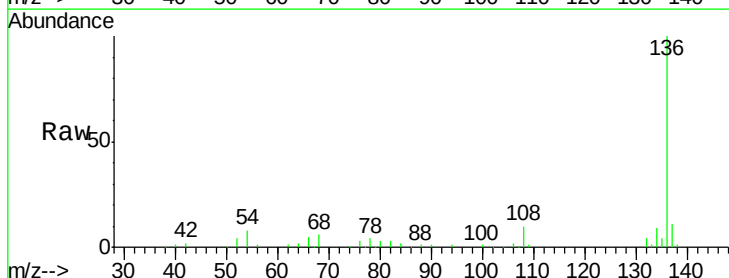
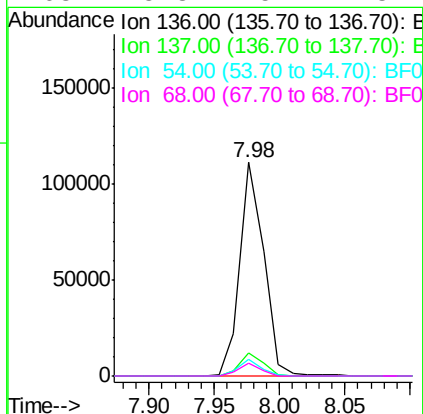
RT: 7.98 min Scan# 594

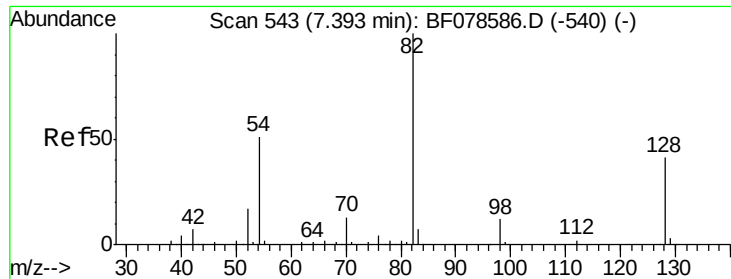
Delta R.T. -0.01 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Tgt Ion:	136	Resp:	142365
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.9	7.0	10.6
68	5.8	5.4	8.2





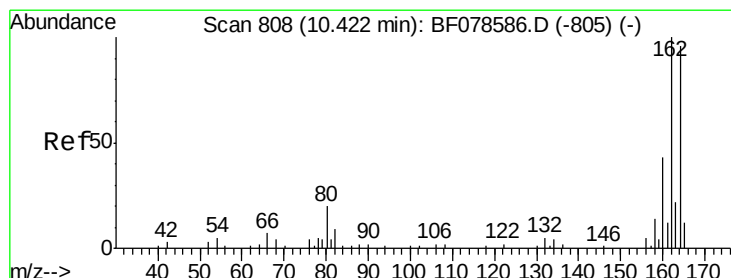
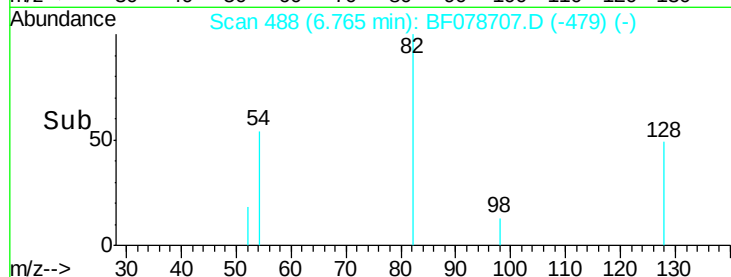
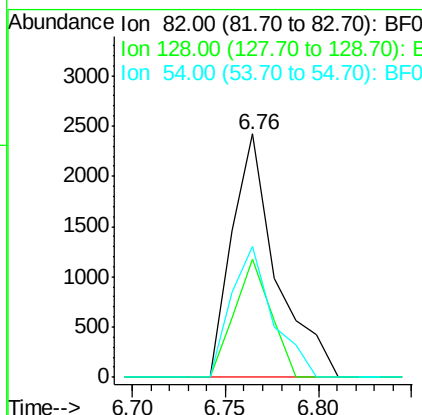
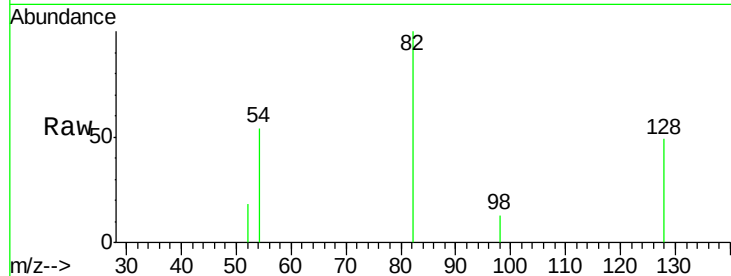
#23
 Nitrobenzene-d5
 Concen: 1.71 ng
 RT: 6.76 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Instrument :
 BNA_F
 ClientSampleID :
 S2-1-4DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.6	31.8	47.8#
54	53.6	41.5	62.3

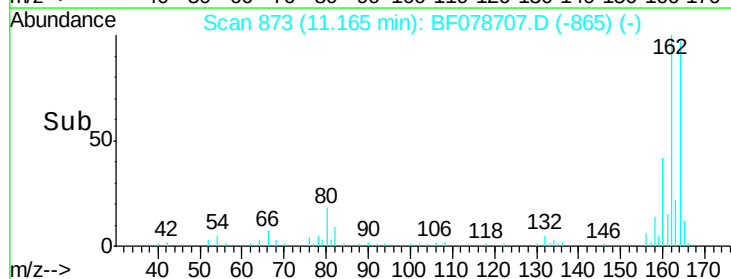
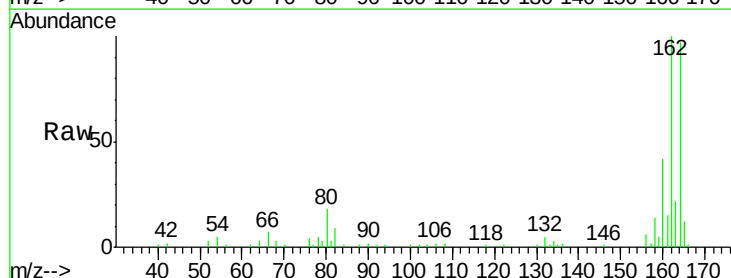
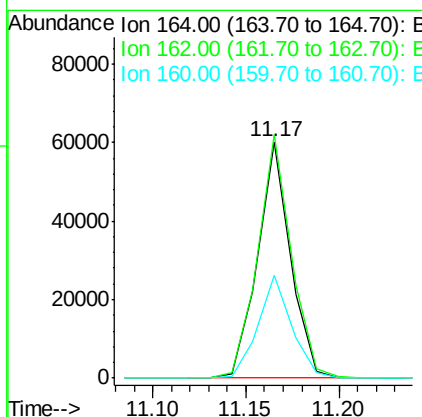
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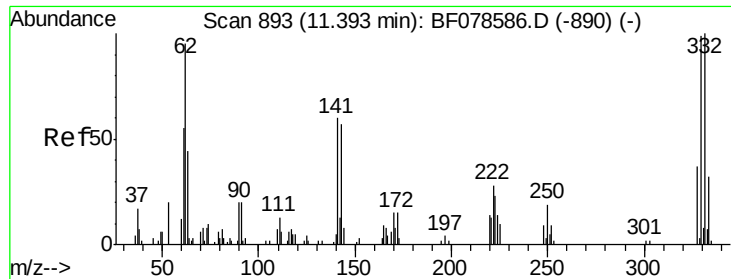
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.2	123.2
160	43.5	34.7	52.1





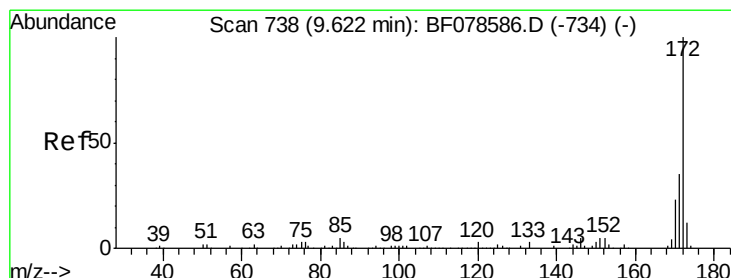
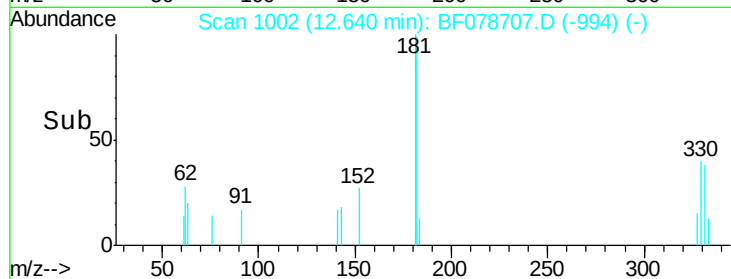
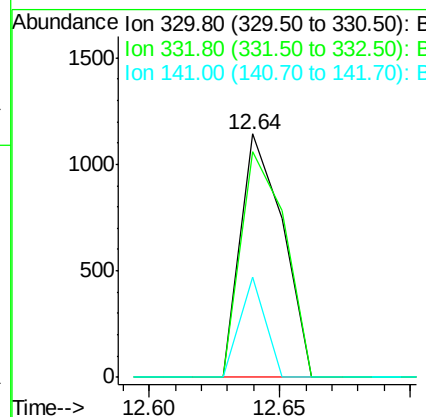
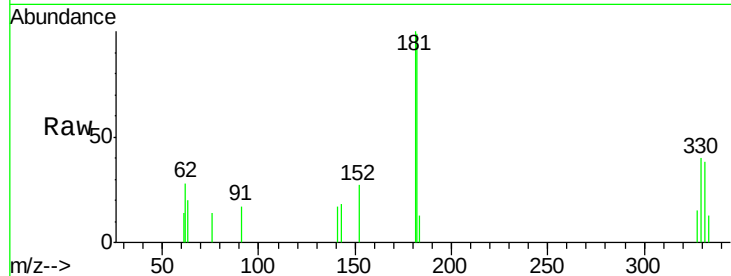
#41
 2,4,6-Tribromophenol
 Concen: 2.14 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.6	117.8
141	25.0	31.2	46.8#

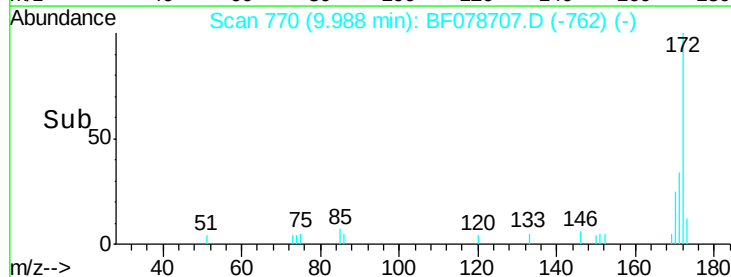
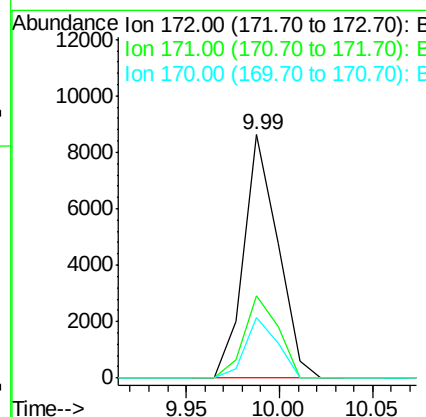
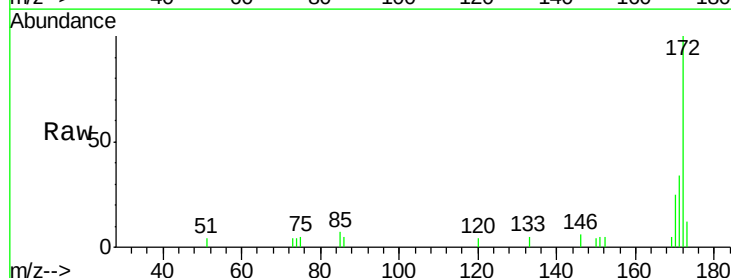
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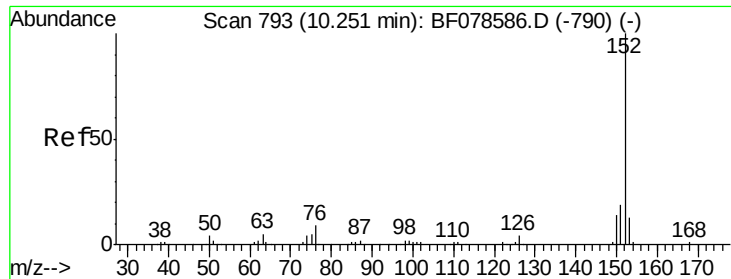
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#44
 2-Fluorobiphenyl
 Concen: 2.15 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.6	42.8
170	25.0	18.5	27.7





#48

Acenaphthylene

Concen: 2.83 ng

RT: 10.90 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Instrument :

BNA_F

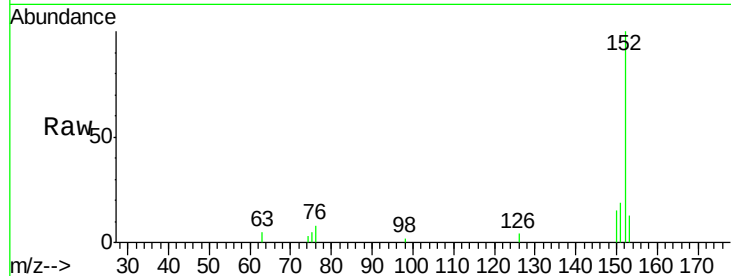
ClientSampleId :

S2-1-4DL

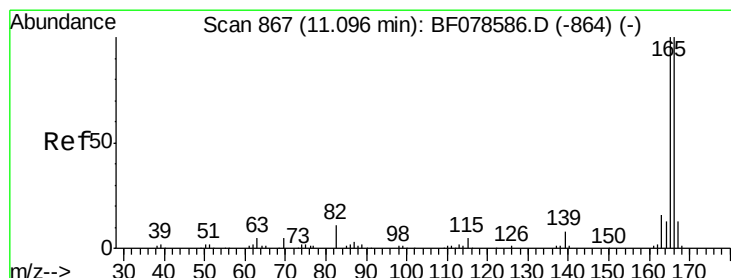
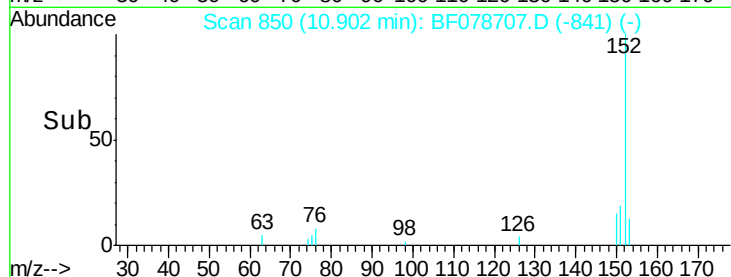
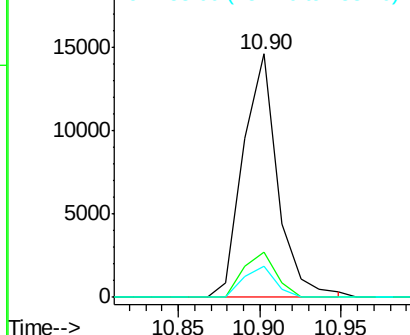
Tot Ion:	152	Resp:	21450
Ion Ratio	Lower	Upper	
152	100		
151	18.8	15.7	23.5
153	12.8	10.2	15.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#57

Fluorene

Concen: 2.44 ng

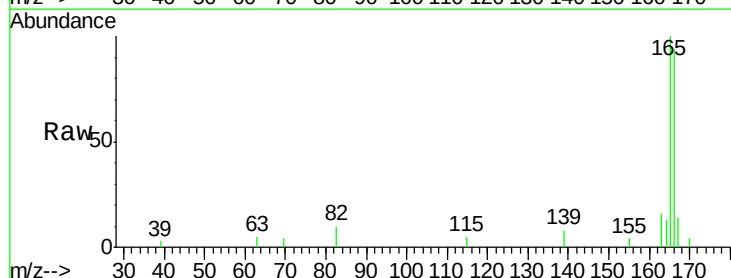
RT: 12.18 min Scan# 962

Delta R.T. -0.01 min

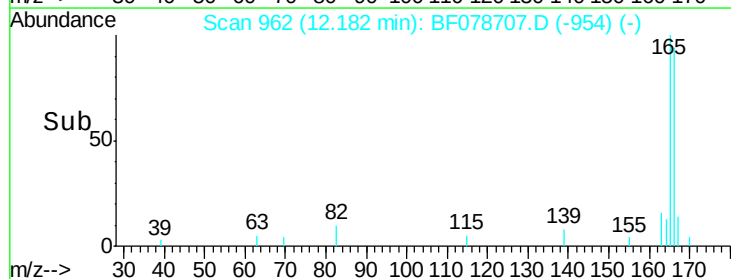
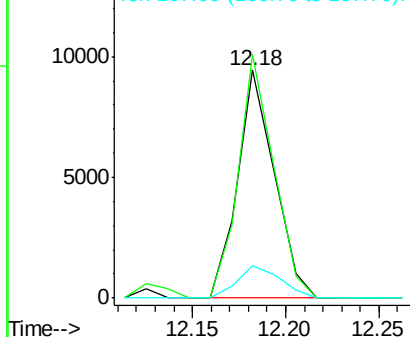
Lab File: BF078707.D

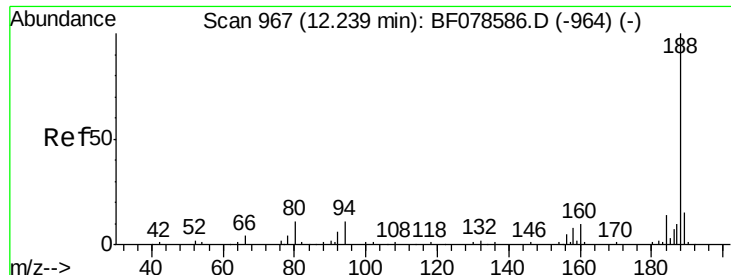
Acq: 22 Apr 2015 5:36

Tgt Ion:	166	Resp:	12920
Ion Ratio	Lower	Upper	
166	100		
165	106.8	78.9	118.3
167	14.4	10.7	16.1



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





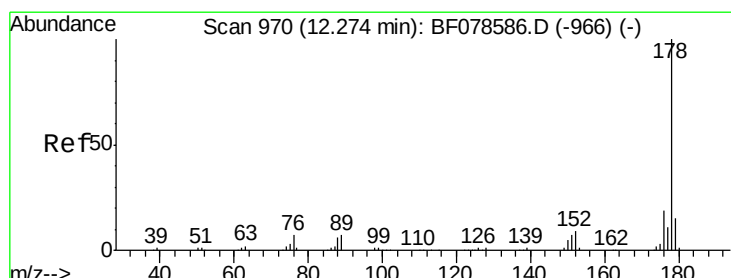
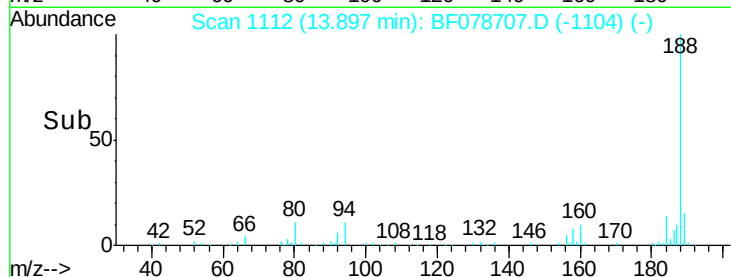
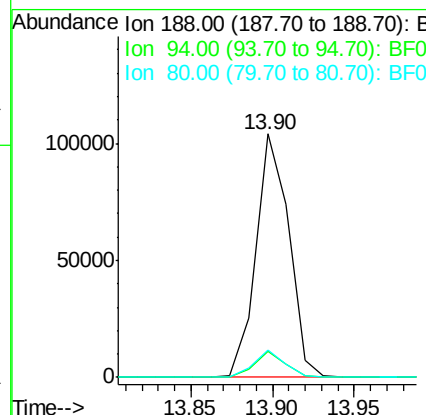
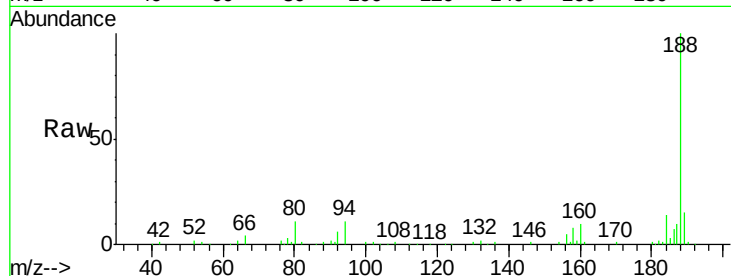
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Instrument :
 BNA_F
 ClientSampled :
 S2-1-4DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	9.0	13.4
80	11.2	9.5	14.3

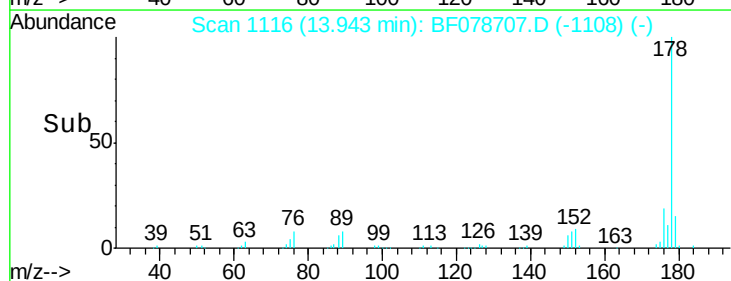
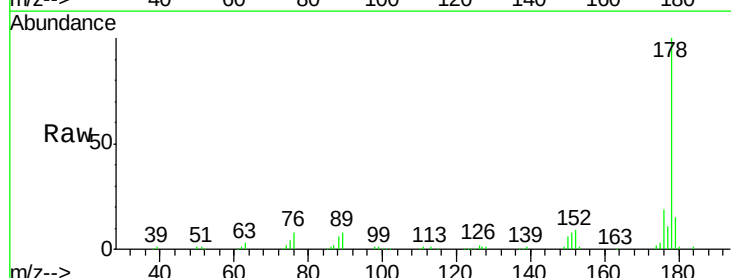
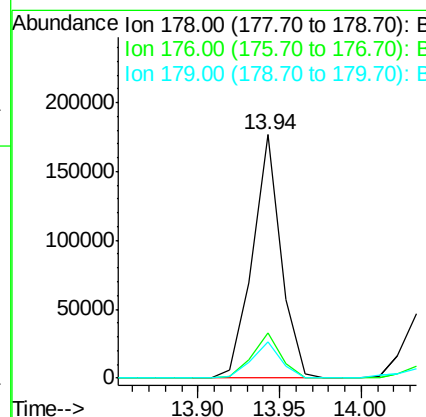
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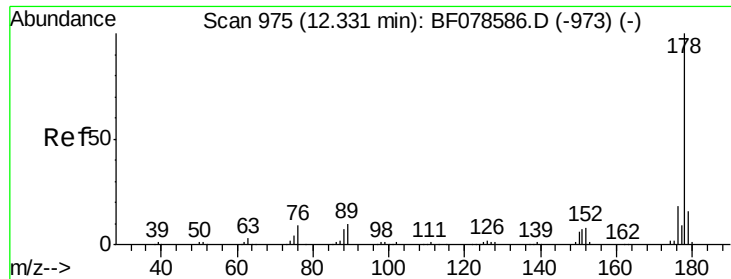
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#70
 Phenanthrene
 Concen: 25.56 ng
 RT: 13.94 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.4	23.0
179	14.8	12.2	18.2





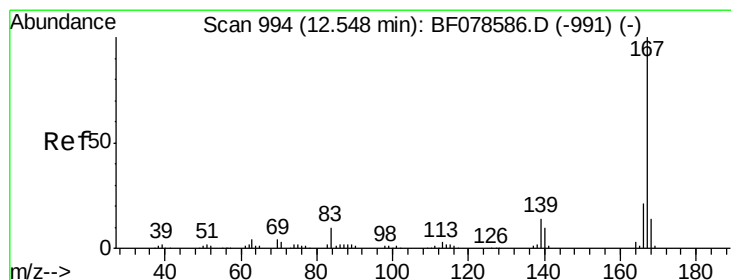
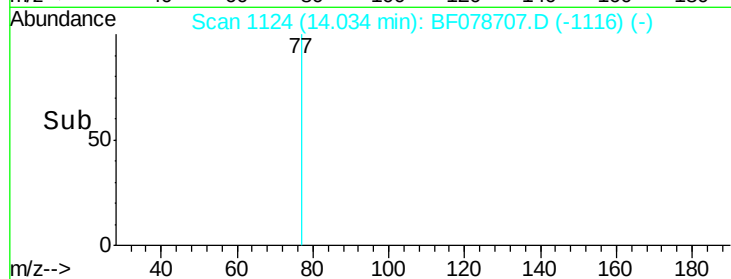
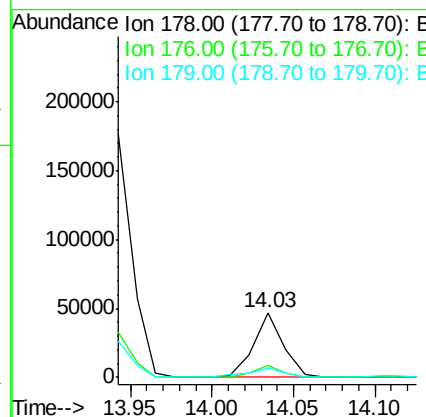
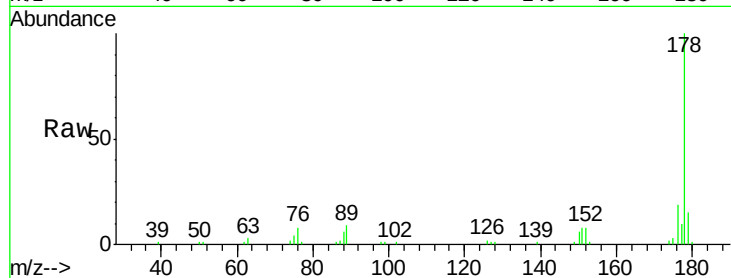
#71
 Anthracene
 Concen: 7.17 ng
 RT: 14.03 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.4	12.4	18.6

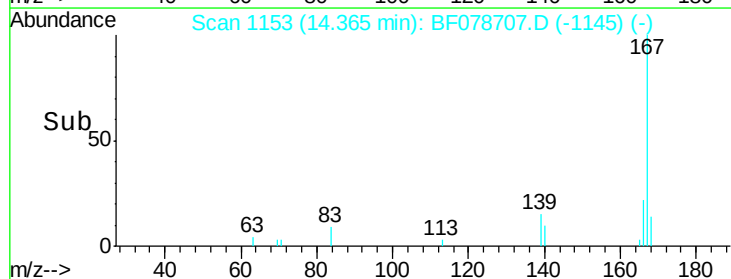
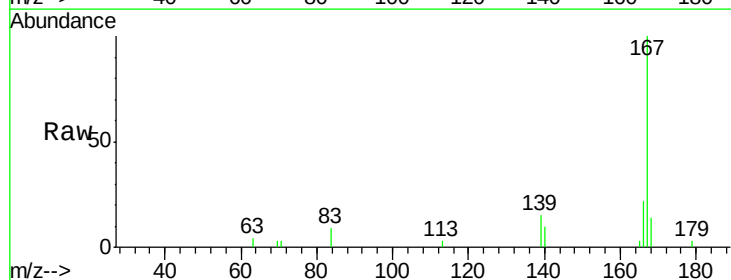
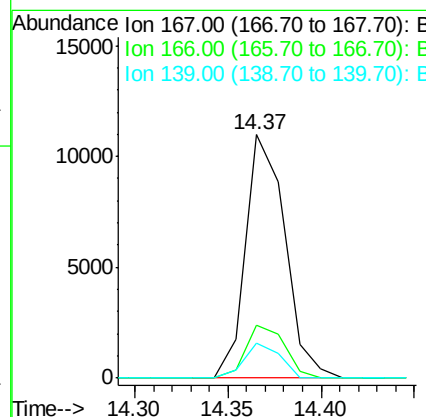
Manual Integrations
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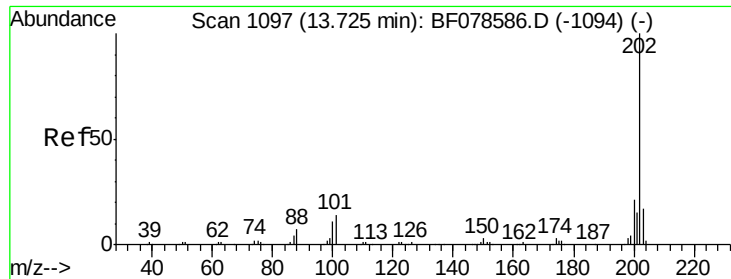
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#72
 Carbazole
 Concen: 2.08 ng
 RT: 14.37 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.8	25.2
139	14.6	10.0	15.0





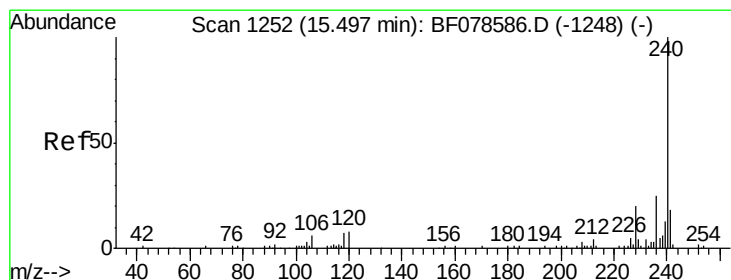
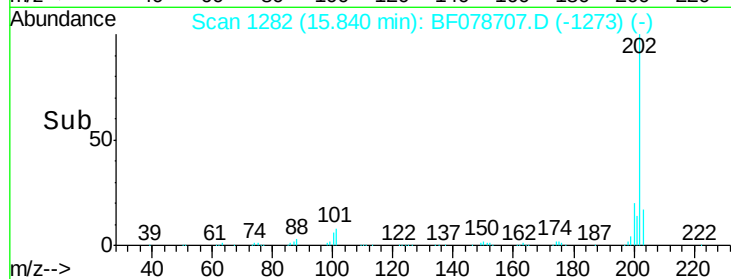
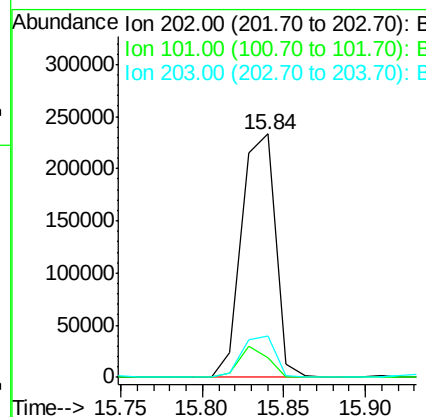
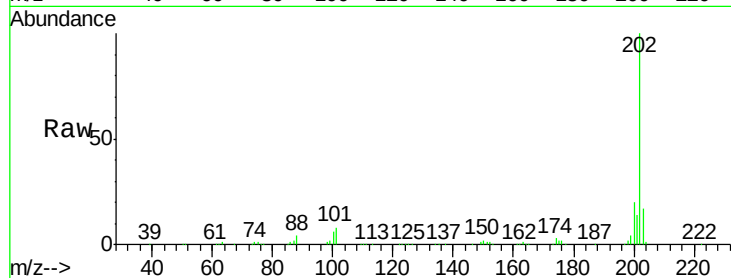
#74
 Fluoranthene
 Concen: 37.62 ng
 RT: 15.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.8	0.0	35.2
203	16.8	0.0	38.5

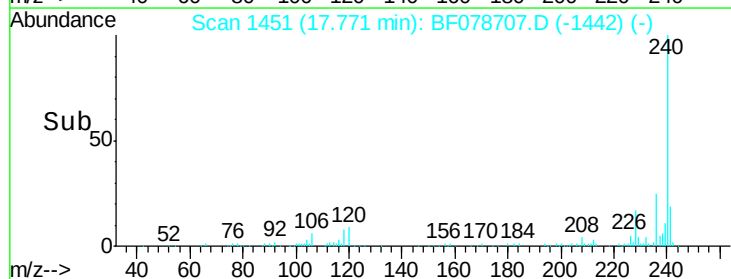
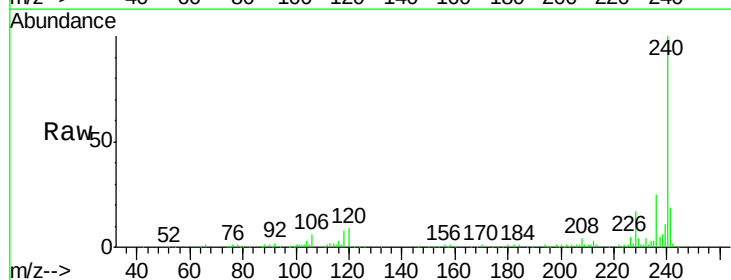
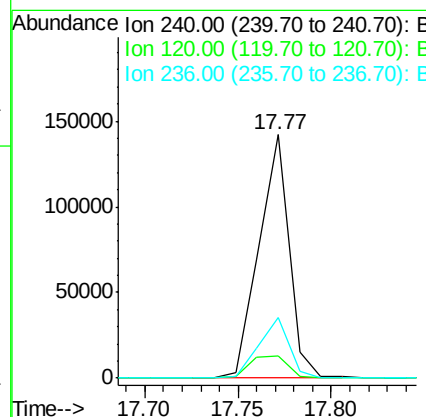
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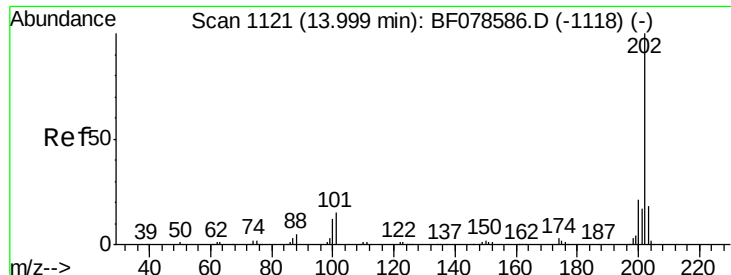
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.77 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.4	7.1	10.7
236	25.0	21.4	32.2





#77

Pvrene

Concen: 29.09 ng

RT: 16.15 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Instrument :

BNA_F

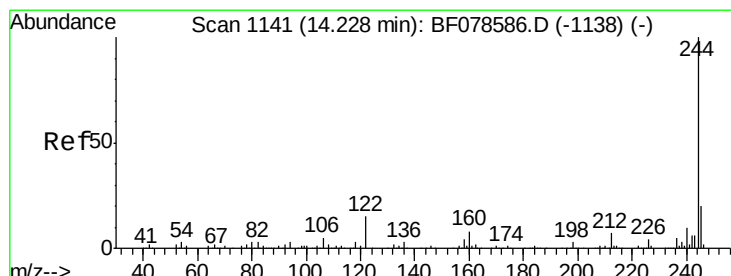
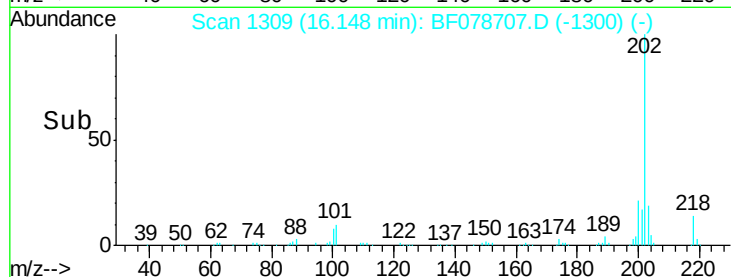
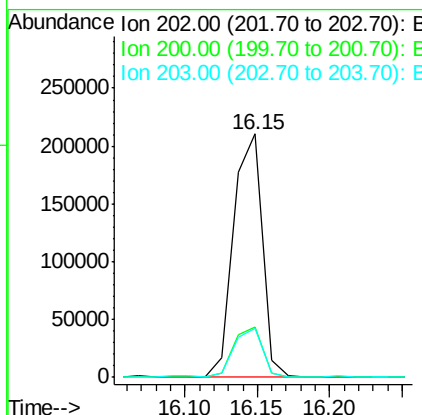
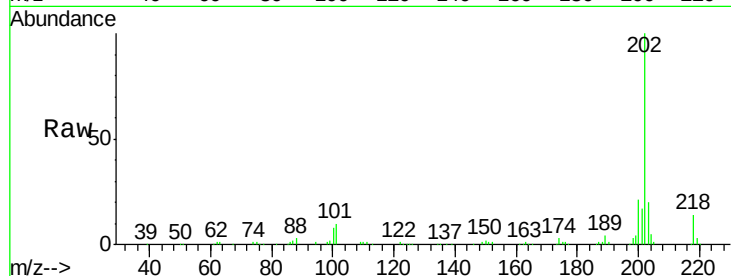
ClientSampleId :

S2-1-4DL

Tot Ion:	202	Resp:	290013
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.3	24.5
203	20.0	13.8	20.6

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#78

Terphenyl-d14

Concen: 1.78 ng

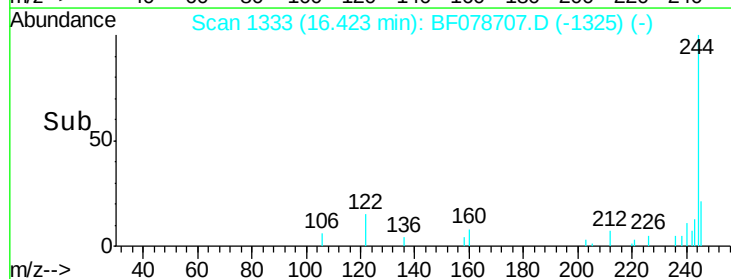
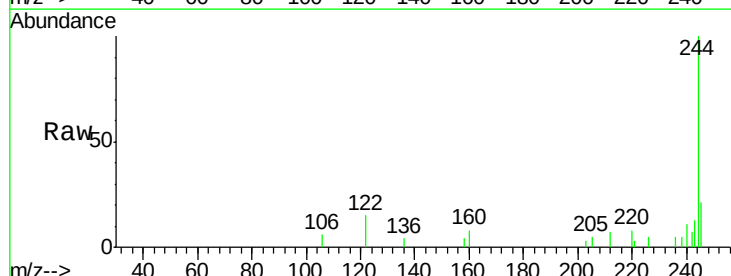
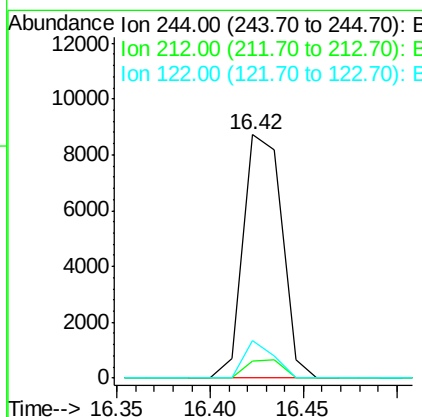
RT: 16.42 min Scan# 1333

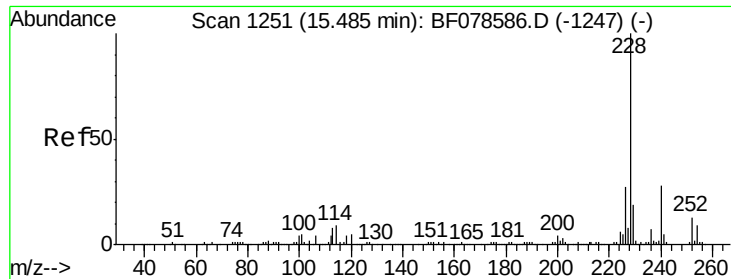
Delta R.T. -0.01 min

Lab File: BF078707.D

Acq: 22 Apr 2015 5:36

Tgt Ion:	244	Resp:	12503
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.0	7.4
122	15.4	7.1	10.7#





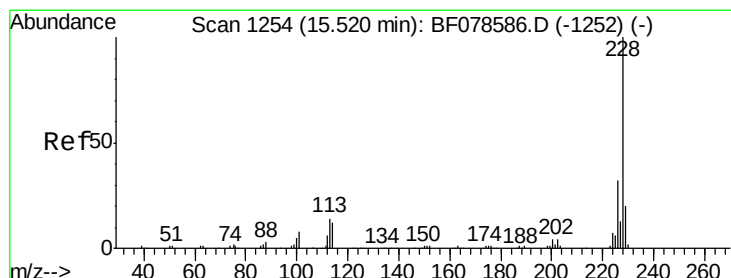
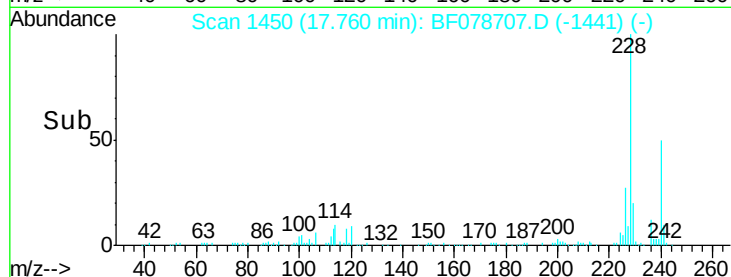
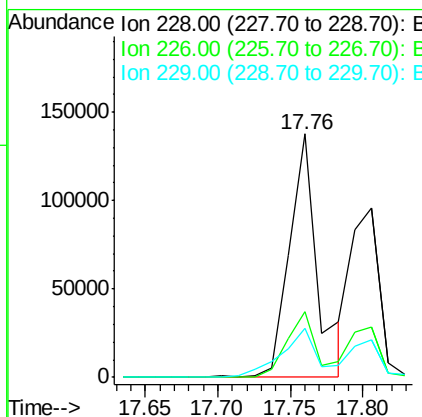
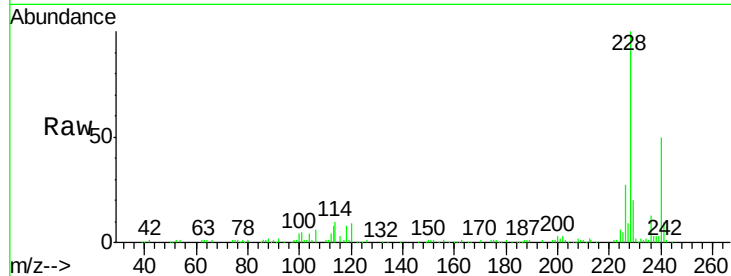
#80
Benzo(a)anthracene
Concen: 19.64 ng
RT: 17.76 min Scan# 1450
Delta R.T. 0.00 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	185545		
226	27.2	21.3	31.9	
229	20.2	15.4	23.2	

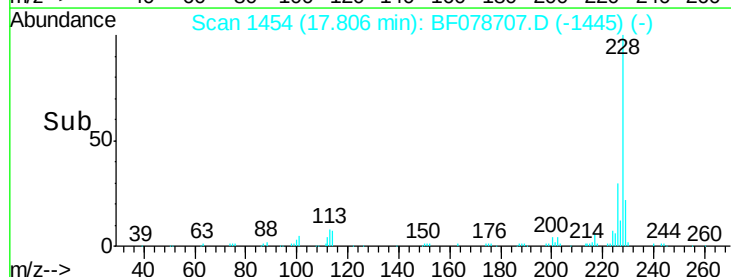
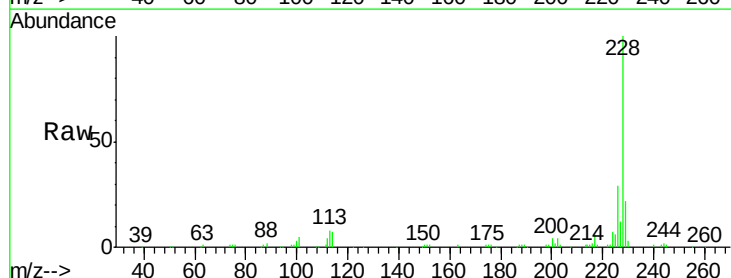
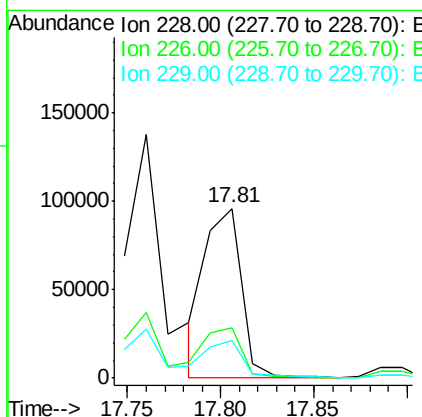
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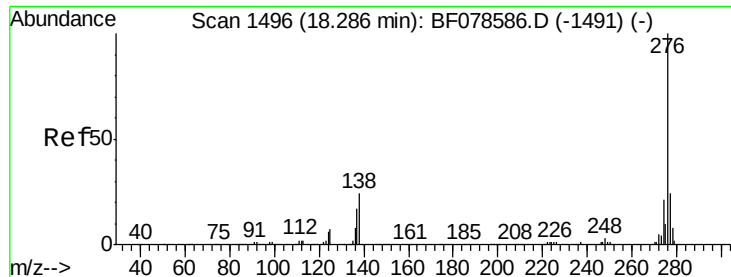
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#82
Chrysene
Concen: 14.48 ng
RT: 17.81 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	128572		
226	29.5	24.2	36.4	
229	22.3	15.8	23.8	





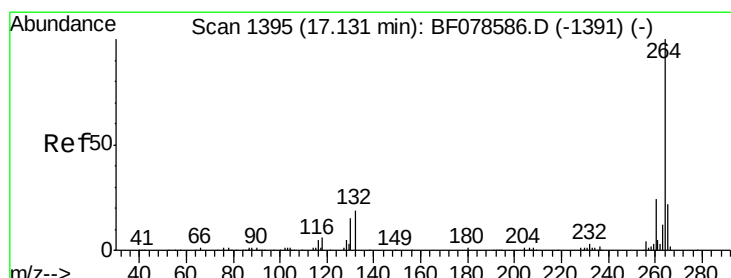
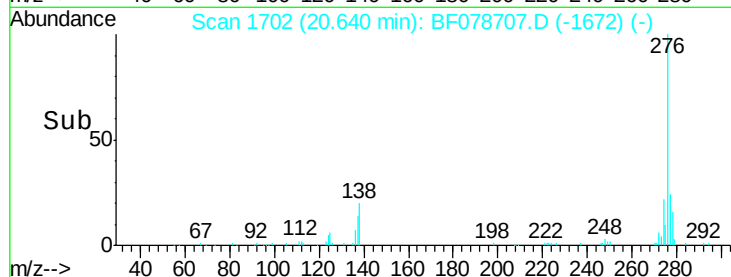
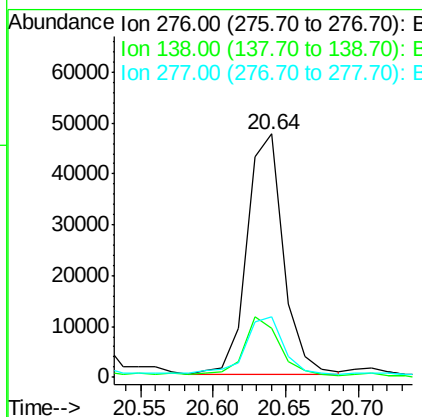
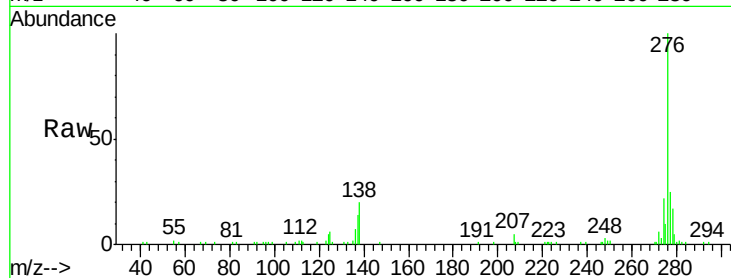
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.15 ng
 RT: 20.64 min Scan# 1702
 Delta R.T. 0.05 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.5	16.9	25.3
277	26.4	15.8	23.6

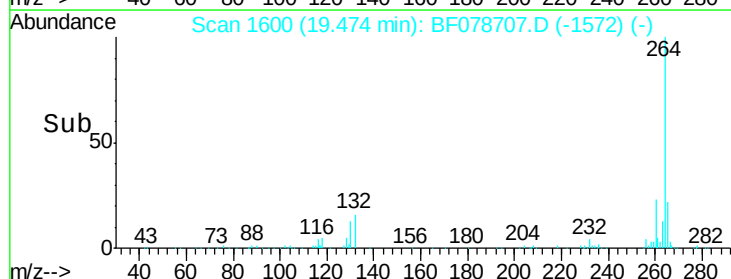
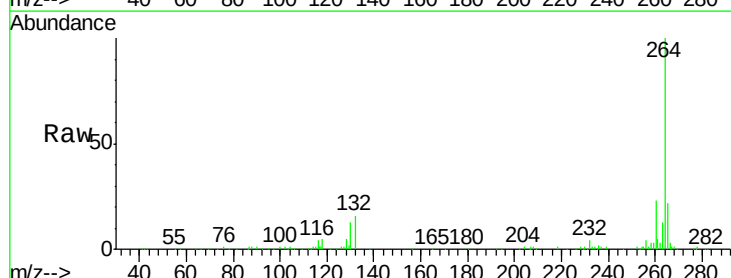
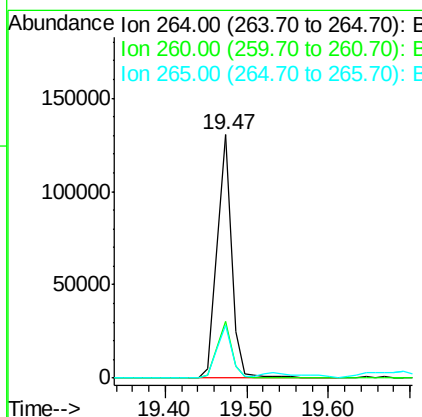
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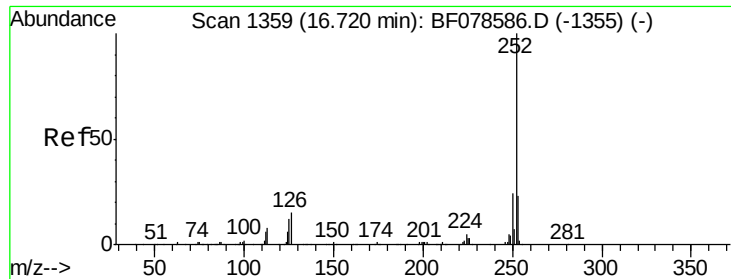
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.47 min Scan# 1600
 Delta R.T. 0.02 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.7	17.0	25.6





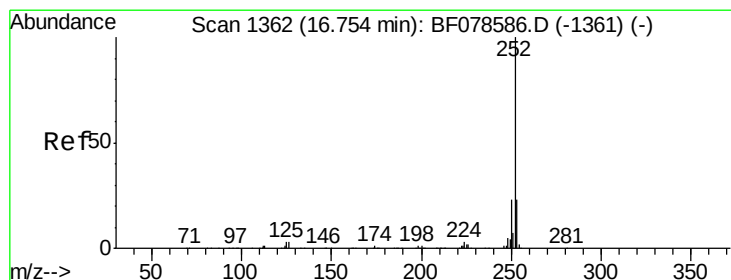
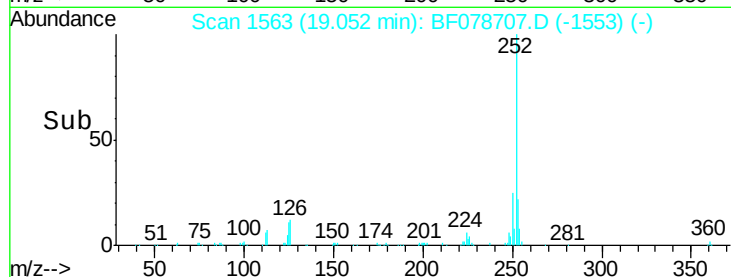
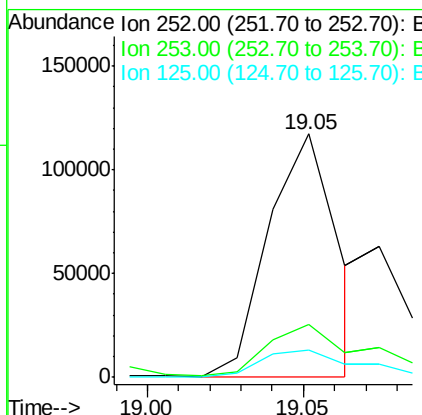
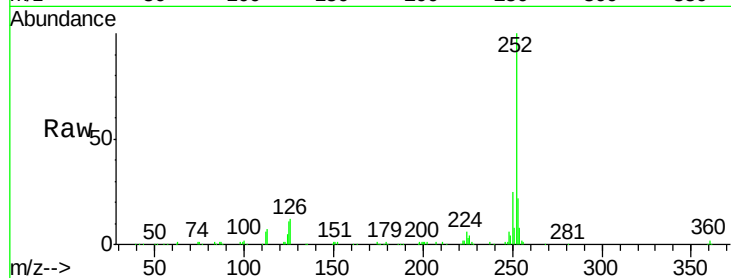
#87
Benzo(b)fluoranthene
Concen: 17.86 ng m
RT: 19.05 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	11.3	7.0	10.4

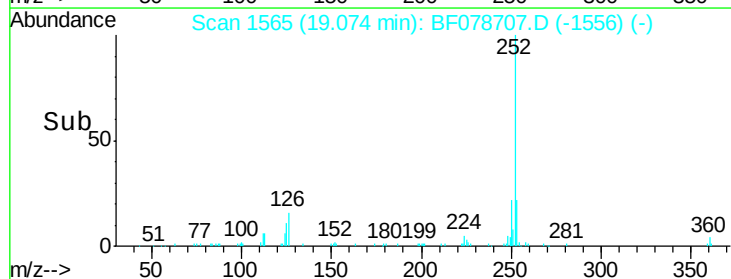
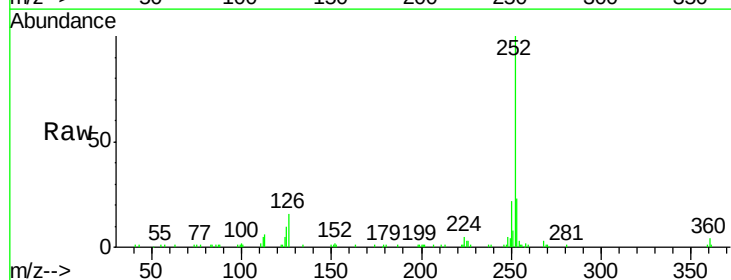
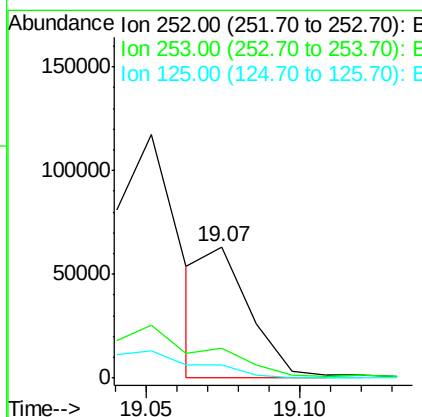
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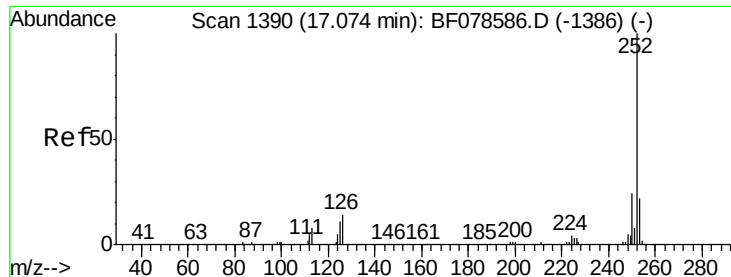
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#88
Benzo(k)fluoranthene
Concen: 7.21 ng m
RT: 19.07 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	10.5	11.6	17.4





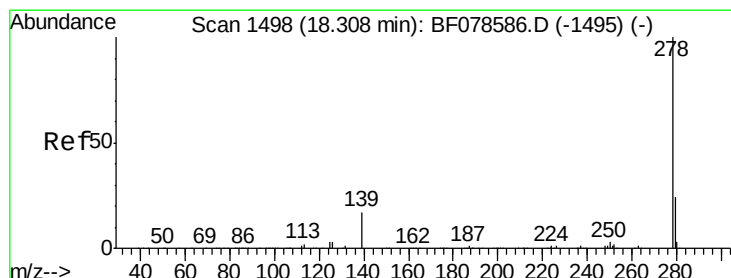
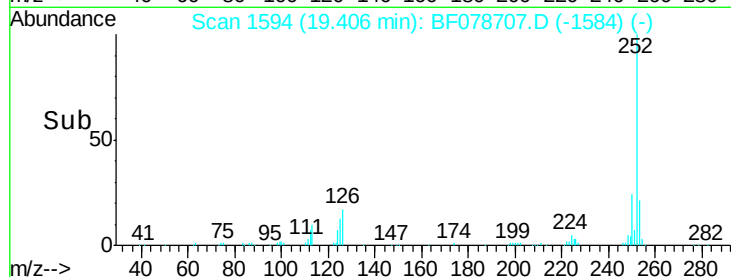
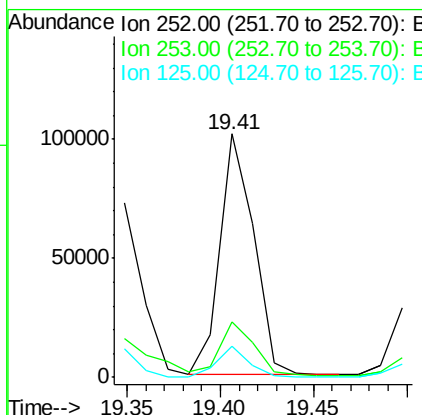
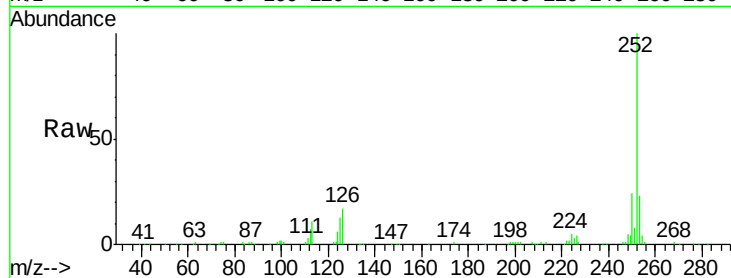
#89
Benzo(a)pyrene
Concen: 14.67 ng
RT: 19.41 min Scan# 1594
Delta R.T. 0.01 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Instrument :
BNA_F
ClientSampleId :
S2-1-4DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	16.8	25.2
125	12.9	7.4	11.0

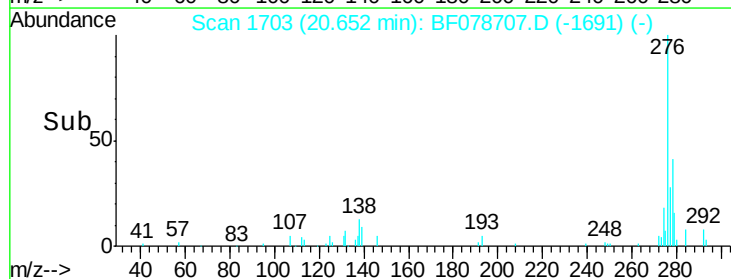
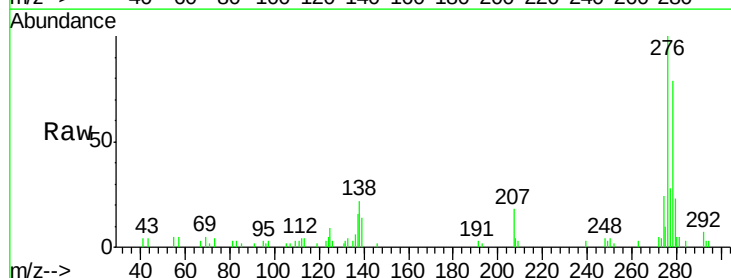
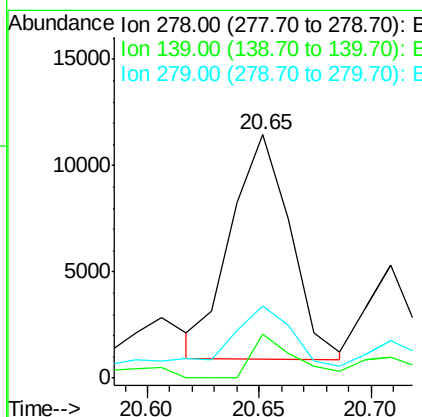
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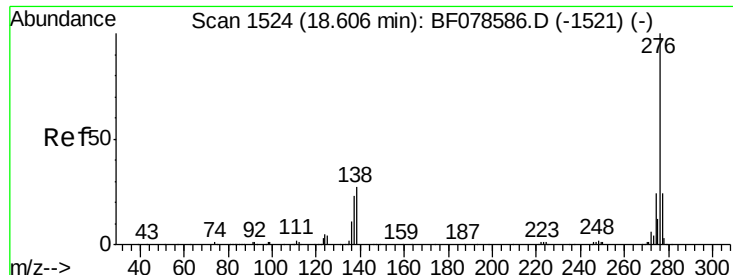
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#90
Dibenzo(a,h)anthracene
Concen: 2.21 ng m
RT: 20.65 min Scan# 1703
Delta R.T. 0.03 min
Lab File: BF078707.D
Acq: 22 Apr 2015 5:36

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	17.8	13.6	20.4
279	29.5	19.0	28.6





#91
 Benzo(a,h,i)perylene
 Concen: 8.33 ng
 RT: 20.95 min Scan# 1729
 Delta R.T. 0.03 min
 Lab File: BF078707.D
 Acq: 22 Apr 2015 5:36

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4DL

Tot Ion:	276	Resp:	73373
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.0	28.4
138	24.5	19.9	29.9

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