

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
 Data File : BF078637.D
 Acq On : 18 Apr 2015 11:25
 Operator : TP/IZ
 Sample : G1891-14
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-70S

Manual Integrations
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Quant Time: Apr 20 01:45:41 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	39646	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	158802	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	84274	20.00	ng	0.00
63) Phenanthrene-d10	12.22	188	169417	20.00	ng	0.00
75) Chrysene-d12	15.47	240	187413	20.00	ng	0.01
86) Perylene-d12	17.14	264	195248	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	288752	120.08	ng	0.00
7) Phenol-d6	6.28	99	367394	121.92	ng	0.00
23) Nitrobenzene-d5	7.38	82	219265	83.69	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	104296	149.22	ng	0.00
44) 2-Fluorobiphenyl	9.61	172	488910	82.93	ng	0.01
78) Terphenyl-d14	14.22	244	624892	75.34	ng	0.01
Target Compounds						Qvalue
48) Acenaphthylene	10.23	152	20107	2.30	ng	97
49) Dimethylphthalate	10.11	163	21045	3.32	ng	100
57) Fluorene	11.07	166	13972	2.29	ng	99
70) Phenanthrene	12.25	178	188228	19.21	ng	100
71) Anthracene	12.31	178	59252	6.14	ng	98
74) Fluoranthene	13.71	202	424959	41.12	ng	94
77) Pyrene	13.99	202	411455	34.97	ng	98
80) Benzo(a)anthracene	15.46	228	218736	19.62	ng	97
82) Chrysene	15.50	228	198342	18.93	ng	98
85) Indeno(1,2,3-cd)pyrene	18.31	276	152313	12.81	ng	# 86
87) Benzo(b)fluoranthene	16.72	252	276736m	22.93	ng	
88) Benzo(k)fluoranthene	16.73	252	108670m	10.13	ng	
89) Benzo(a)pyrene	17.07	252	228980	21.74	ng	# 92
90) Dibenzo(a,h)anthracene	18.33	278	36779m	3.49	ng	
91) Benzo(a,h,i)perylene	18.64	276	151184	14.30	ng	# 94

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

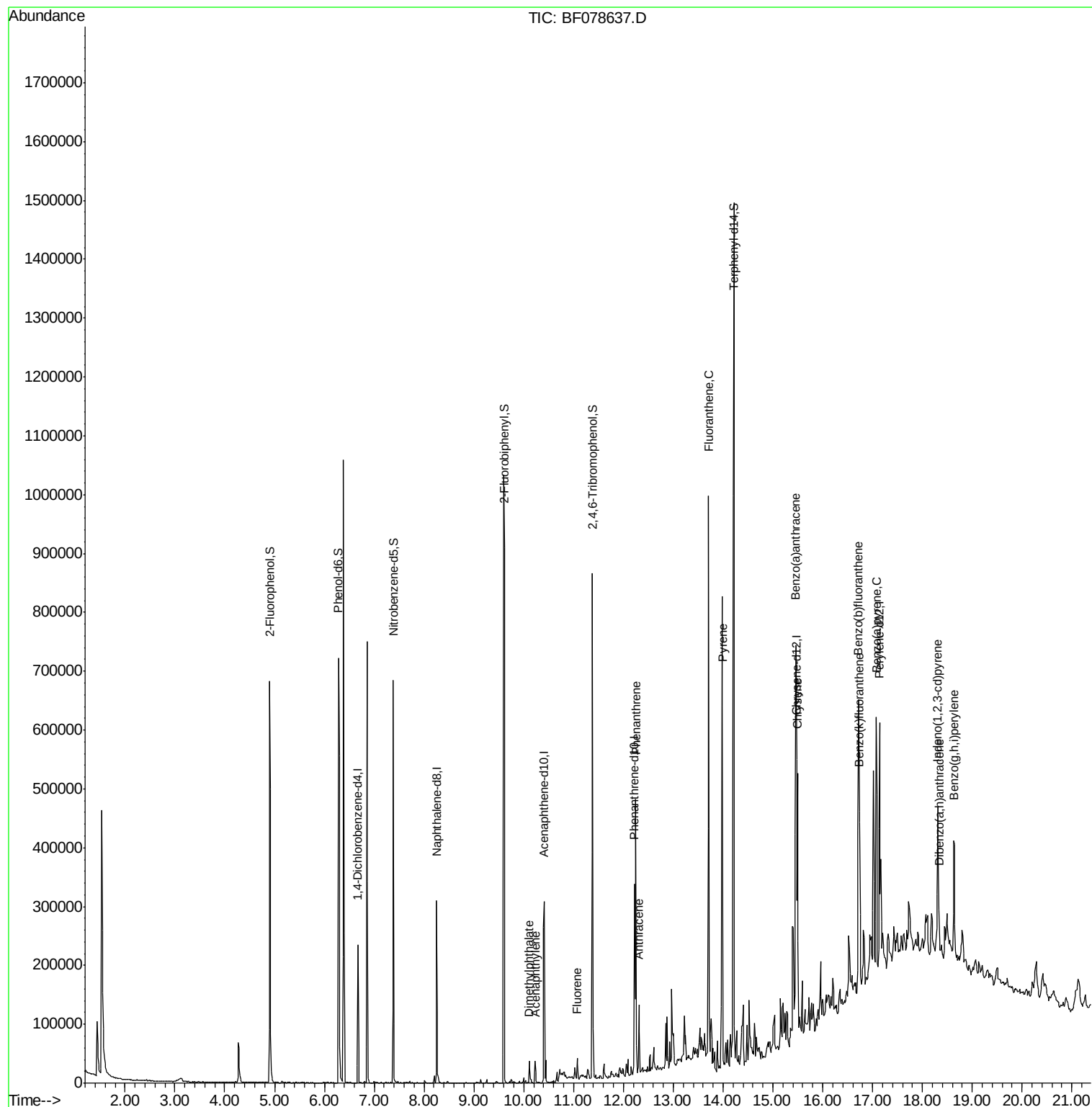
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
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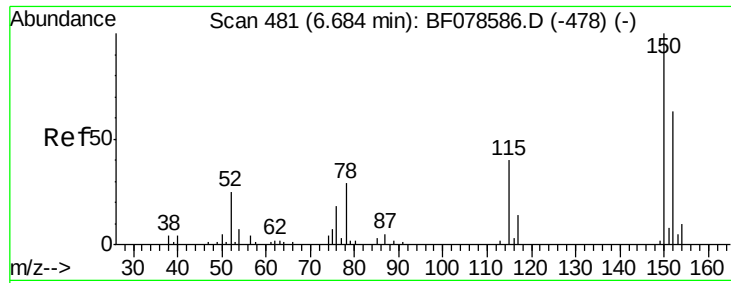
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
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#1

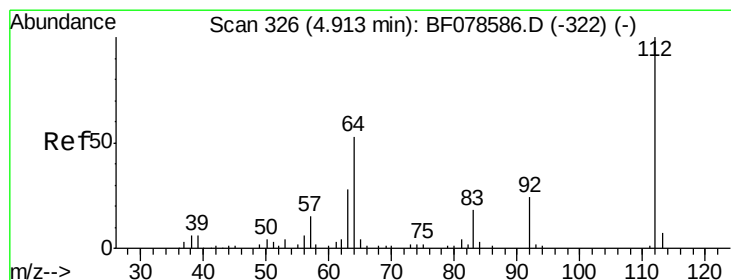
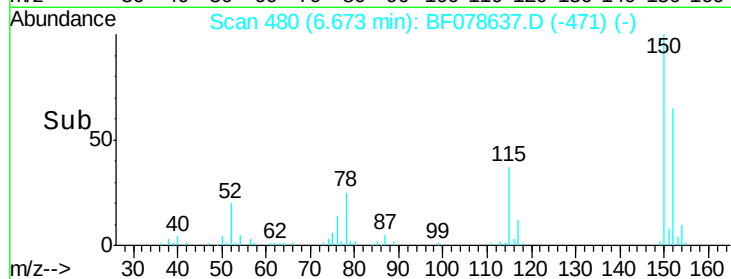
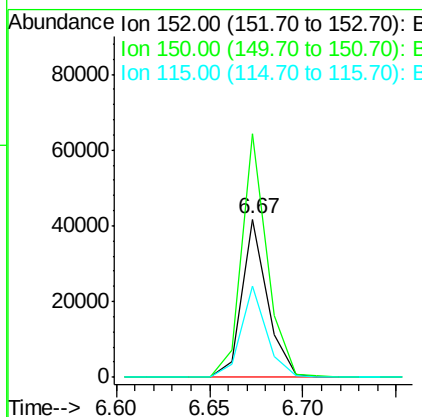
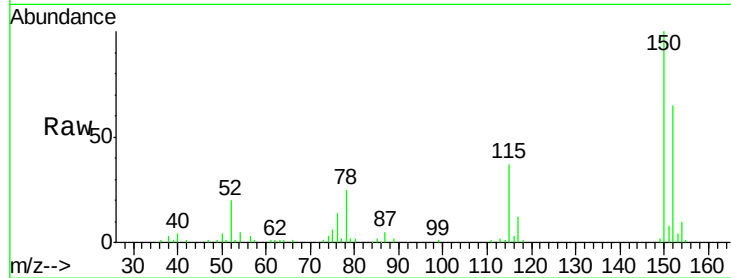
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 480
Delta R.T. 0.00 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Instrument :
BNA_F
ClientSampleId :
SB-70S

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.9	188.9
115	57.7	52.7	79.1

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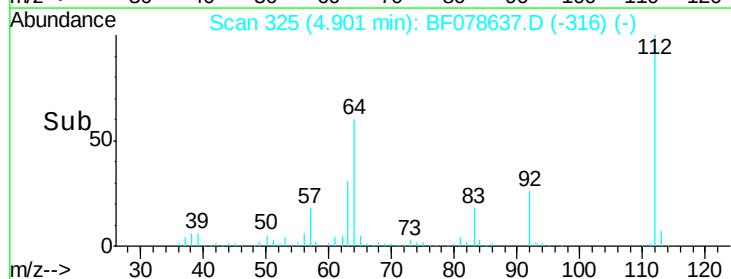
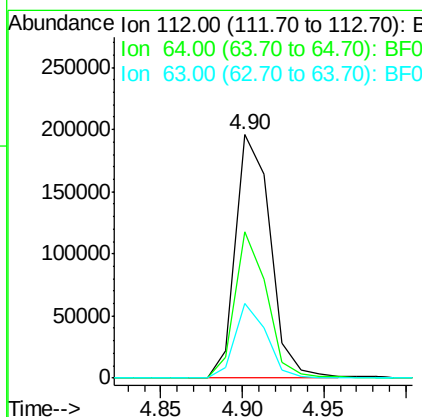
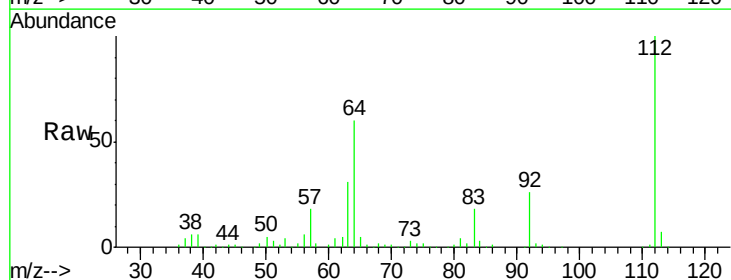
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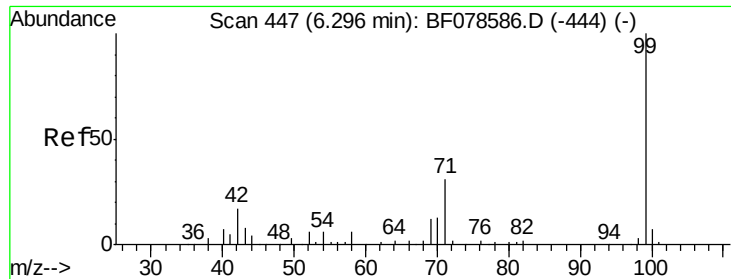


#5

2-Fluorophenol
Concen: 120.08 ng
RT: 4.90 min Scan# 325
Delta R.T. 0.00 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	39.9	59.9#
63	30.8	20.2	30.4#





#7

Phenol-d6

Concen: 121.92 ng

RT: 6.28 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

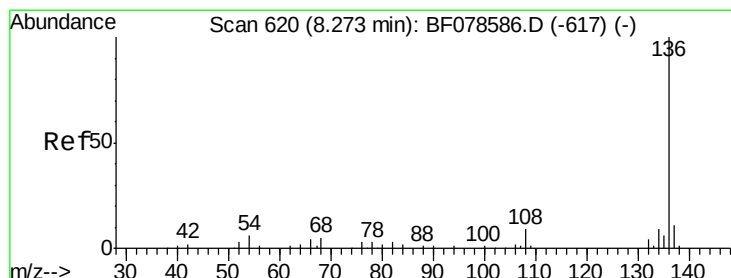
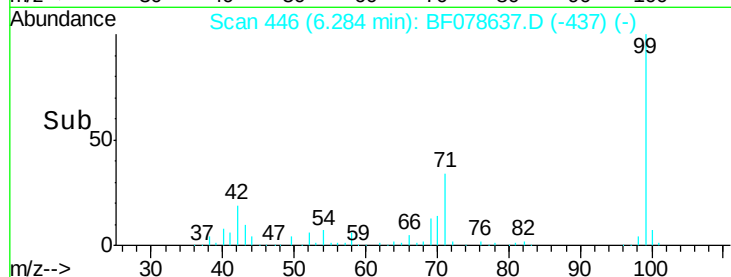
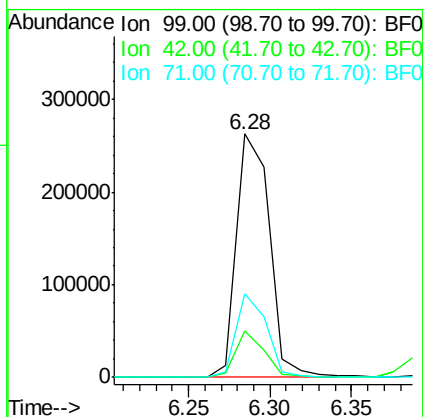
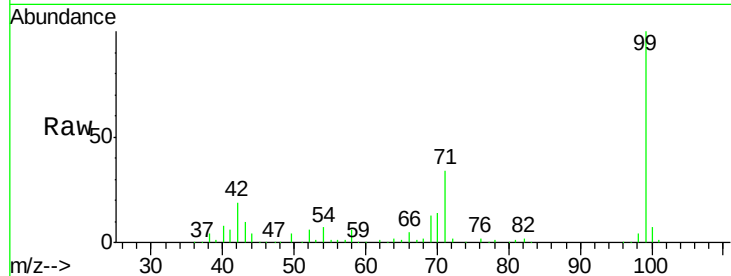
ClientSampleId :

SB-70S

Tot Ion:	99	Resp:	367394
Ion Ratio	Lower	Upper	
99	100		
42	19.2	14.8	22.2
71	34.2	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

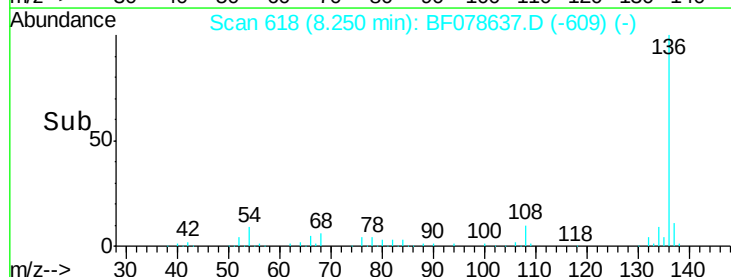
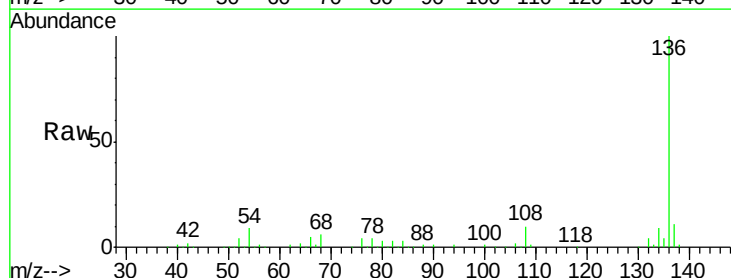
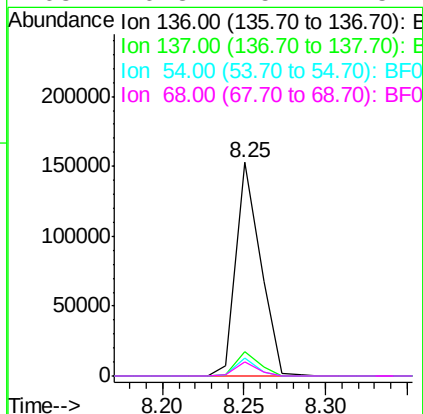
RT: 8.25 min Scan# 618

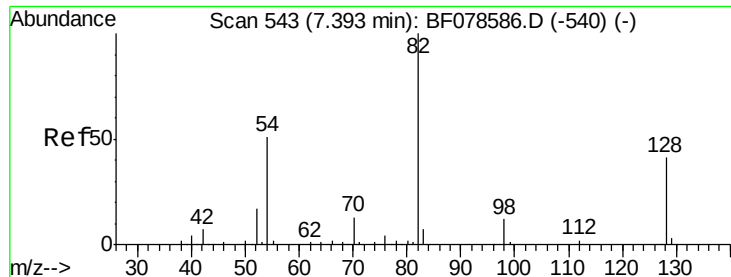
Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Tgt Ion:	136	Resp:	158802
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	8.5	7.0	10.6
68	6.3	5.4	8.2





#23

Nitrobenzene-d5

Concen: 83.69 ng

RT: 7.38 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

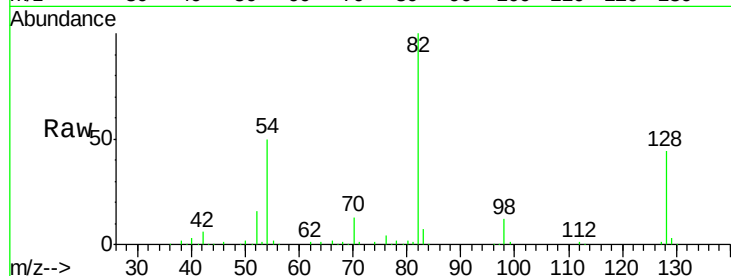
ClientSampleId :

SB-70S

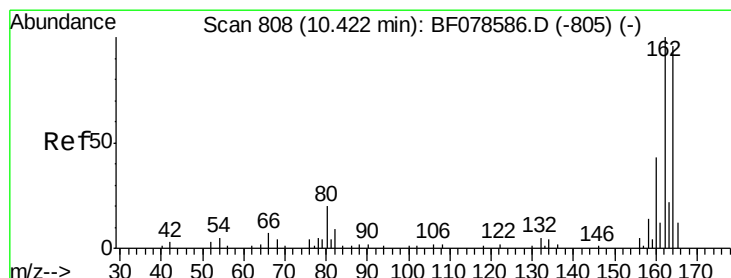
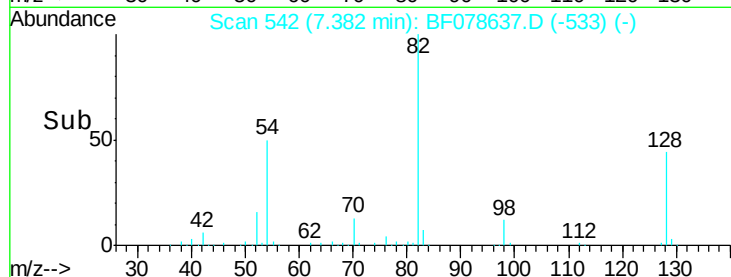
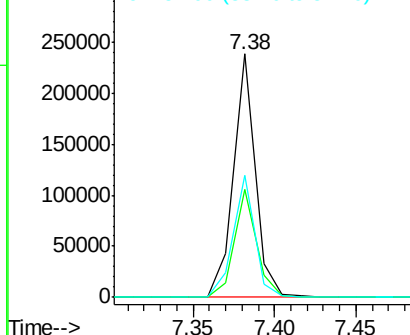
Tot Ion	82	Resp	219265
Ion Ratio	Lower	Upper	
82	100		
128	44.1	31.8	47.8
54	50.1	41.5	62.3

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



#38

Acenaphthene-d10

Concen: 20.00 ng

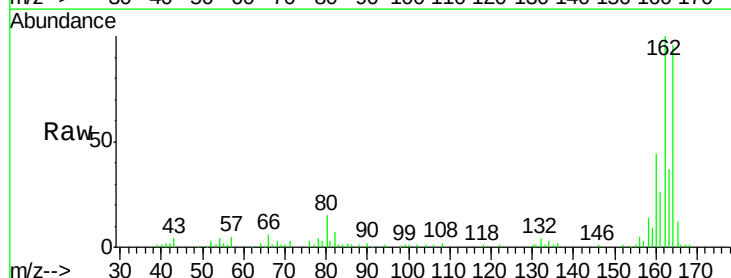
RT: 10.41 min Scan# 807

Delta R.T. 0.00 min

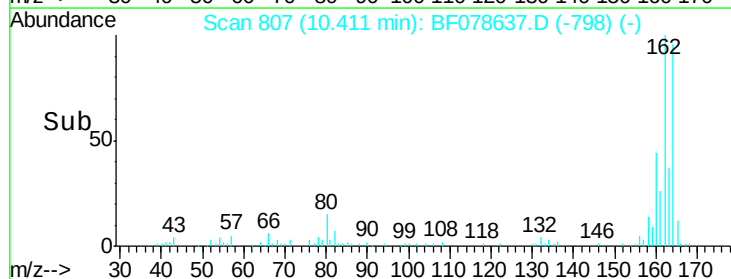
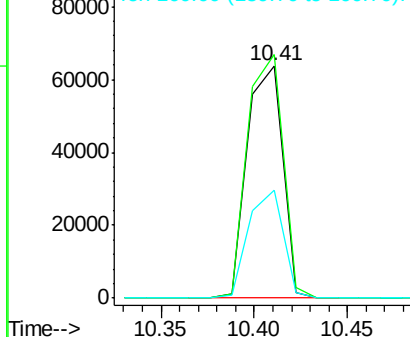
Lab File: BF078637.D

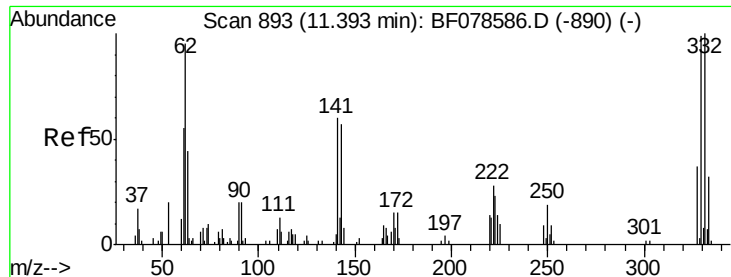
Acq: 18 Apr 2015 11:25

Tgt Ion	164	Resp	84274
Ion Ratio	Lower	Upper	
164	100		
162	104.6	82.2	123.2
160	46.1	34.7	52.1



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





#41

2,4,6-Tribromophenol

Concen: 149.22 ng

RT: 11.38 min Scan# 892

Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

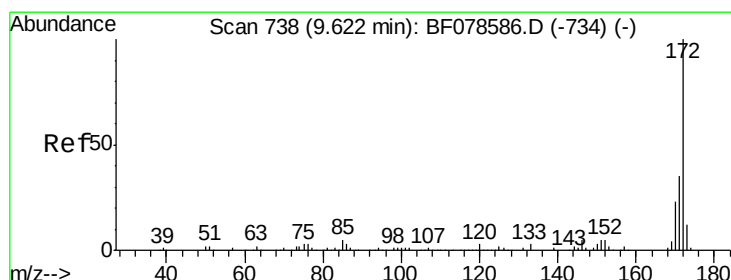
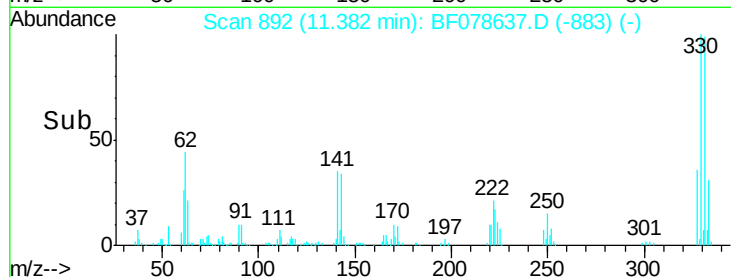
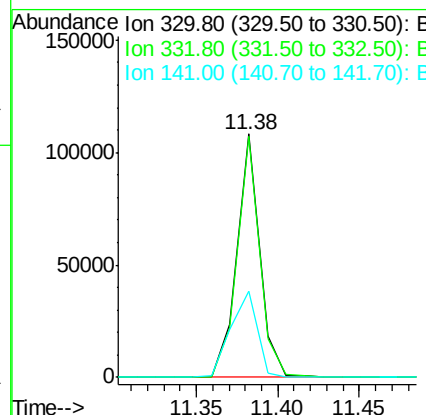
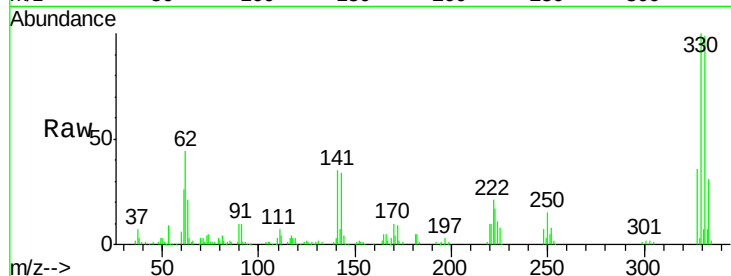
ClientSampled :

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Tot Ion:	330	Resp:	104296
Ion Ratio	Lower	Upper	
330	100		
332	97.9	78.6	117.8
141	41.3	31.2	46.8

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#44

2-Fluorobiphenyl

Concen: 82.93 ng

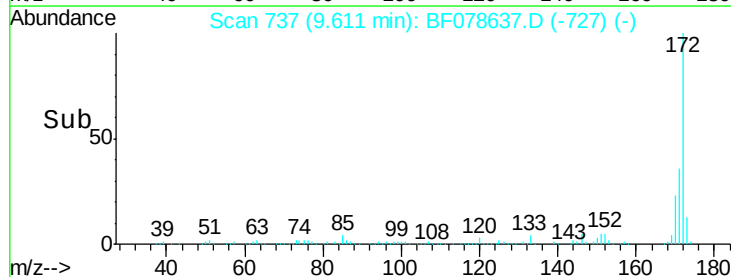
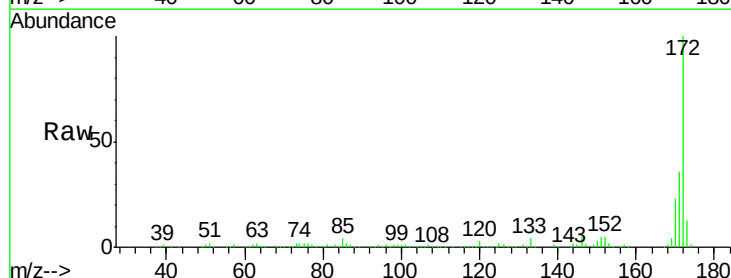
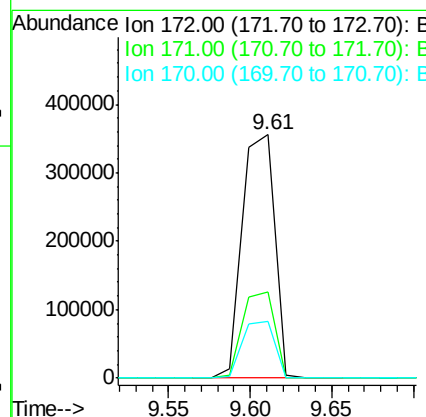
RT: 9.61 min Scan# 737

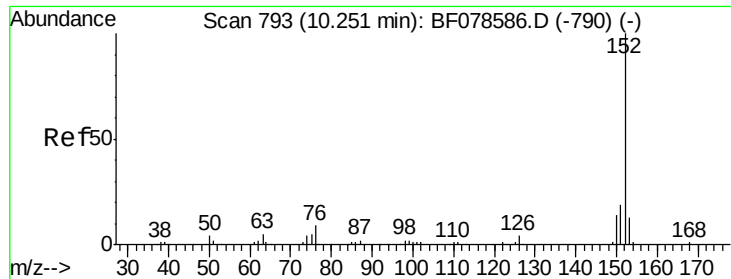
Delta R.T. 0.01 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Tgt Ion:	172	Resp:	488910
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.6	42.8
170	23.3	18.5	27.7





#48

Acenaphthylene

Concen: 2.30 ng

RT: 10.23 min Scan# 791

Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

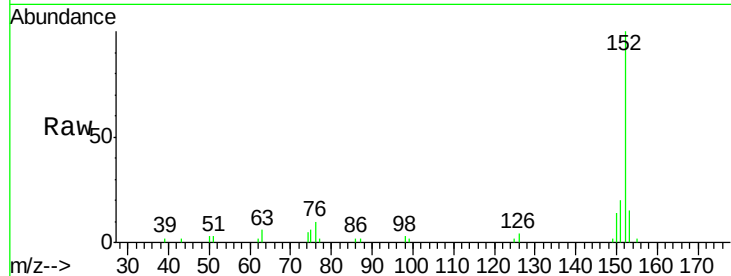
ClientSampleId :

SB-70S

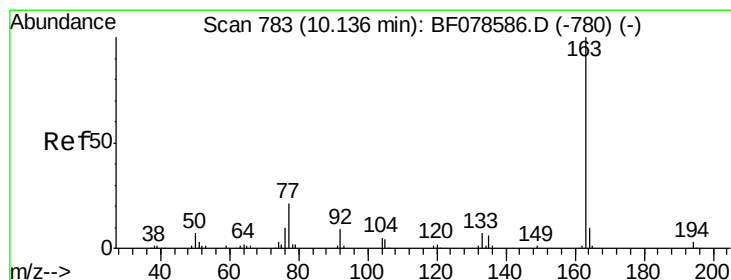
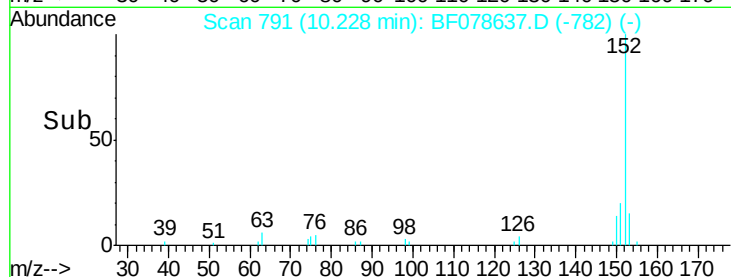
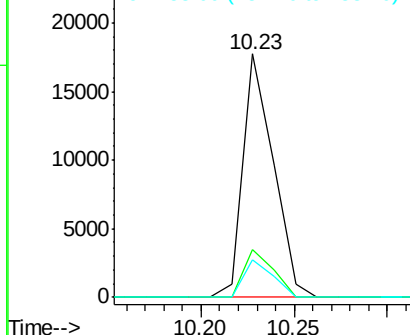
Tot Ion:	152	Resp:	20107
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.7	23.5
153	15.2	10.2	15.2

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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



#49

Dimethylphthalate

Concen: 3.32 ng

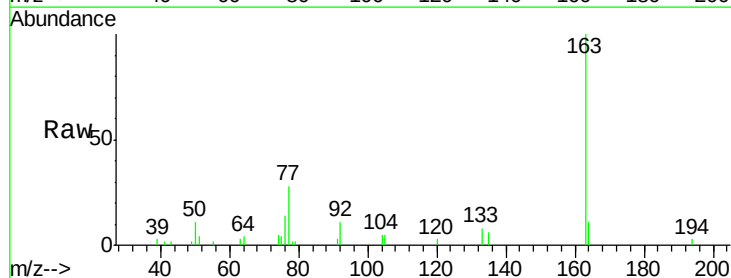
RT: 10.11 min Scan# 781

Delta R.T. -0.01 min

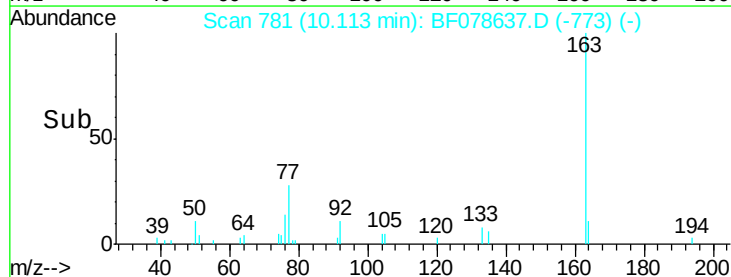
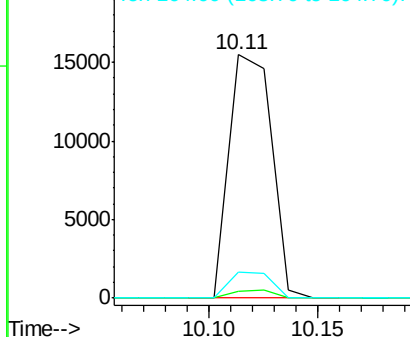
Lab File: BF078637.D

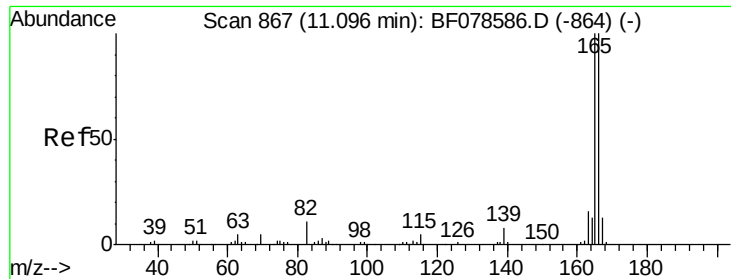
Acq: 18 Apr 2015 11:25

Tgt Ion:	163	Resp:	21045
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.3	3.5
164	10.7	8.6	13.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





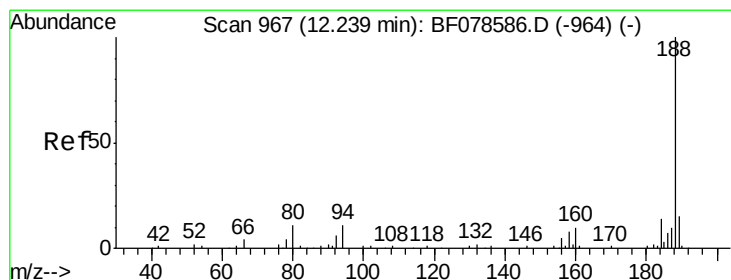
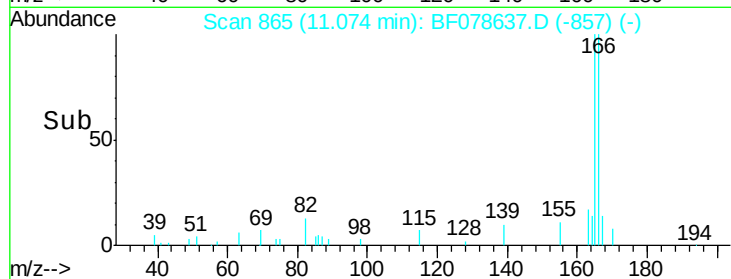
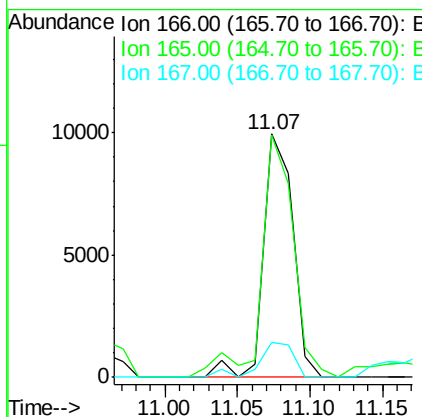
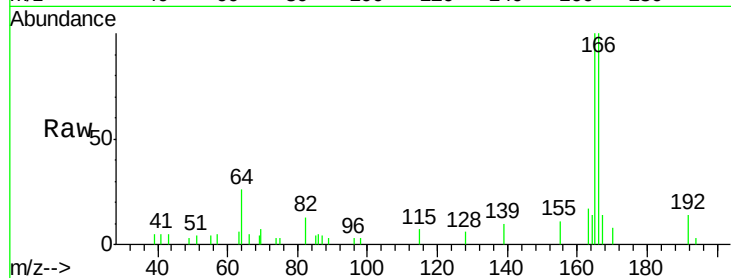
#57
Fluorene
 Concen: 2.29 ng
 RT: 11.07 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: BF078637.D
 Acq: 18 Apr 2015 11:25

Instrument :
 BNA_F
 ClientSampled :
 SB-70S

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.9	118.3
167	14.3	10.7	16.1

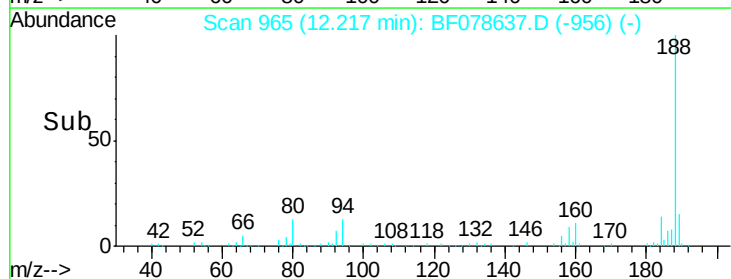
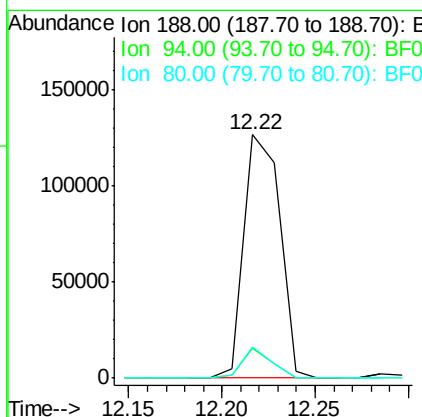
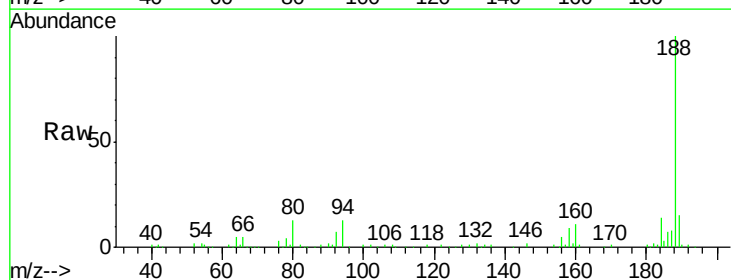
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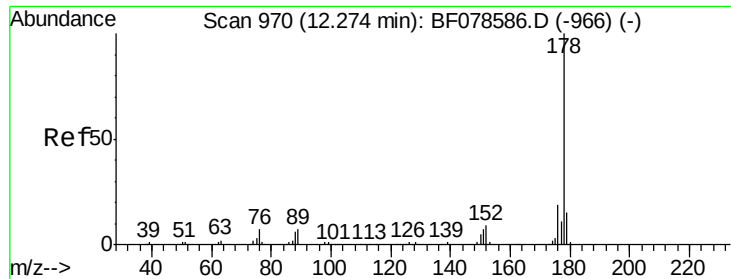
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.22 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BF078637.D
 Acq: 18 Apr 2015 11:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.5	9.0	13.4
80	13.0	9.5	14.3





#70

Phenanthrene

Concen: 19.21 ng

RT: 12.25 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

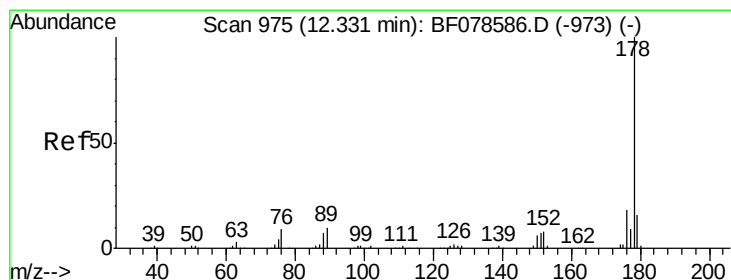
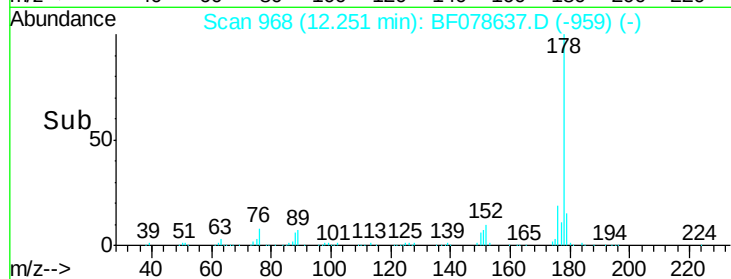
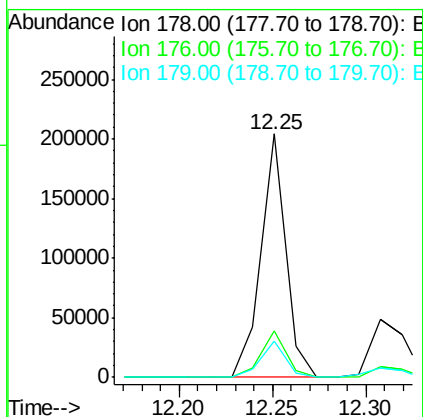
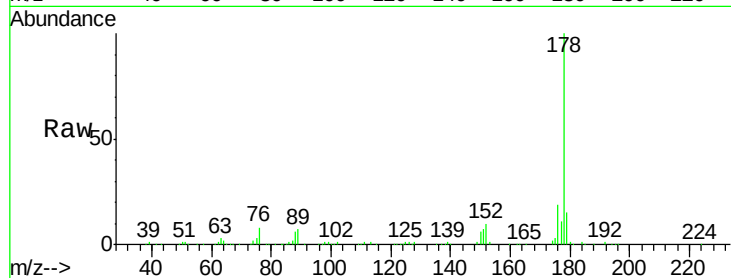
ClientSampled :

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Tot Ion:178	Resp:	188228
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.4 23.0
179	15.0	12.2 18.2

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#71

Anthracene

Concen: 6.14 ng

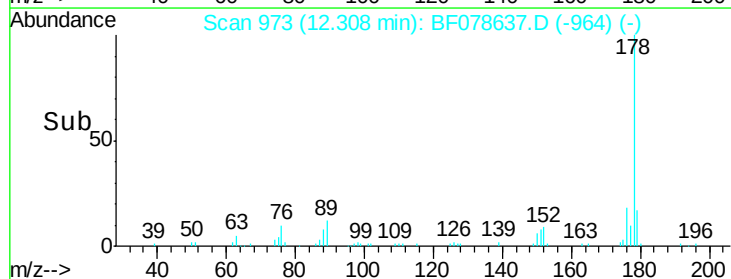
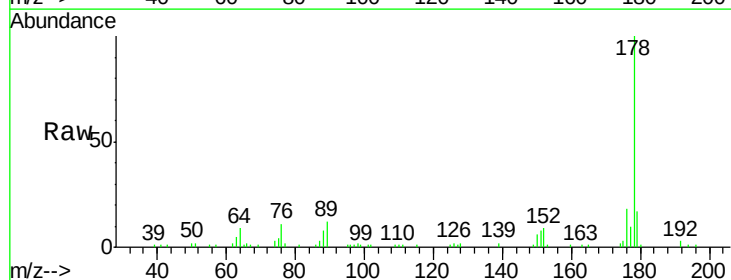
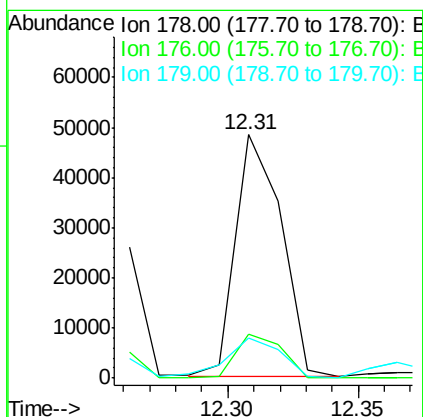
RT: 12.31 min Scan# 973

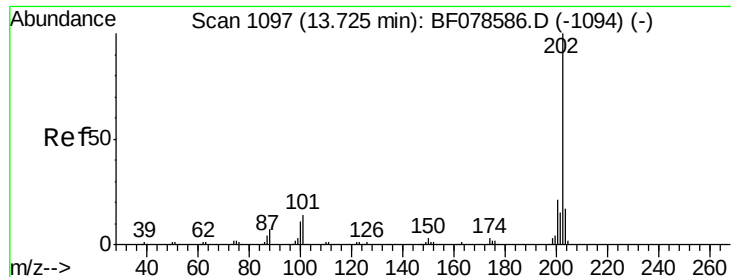
Delta R.T. 0.00 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Tgt Ion:178	Resp:	59252
Ion Ratio	Lower	Upper
178	100	
176	17.9	14.8 22.2
179	16.7	12.4 18.6





#74

Fluoranthene

Concen: 41.12 ng

RT: 13.71 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

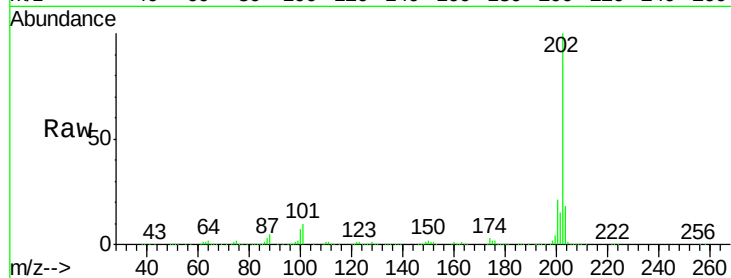
ClientSampleId :

SB-70S

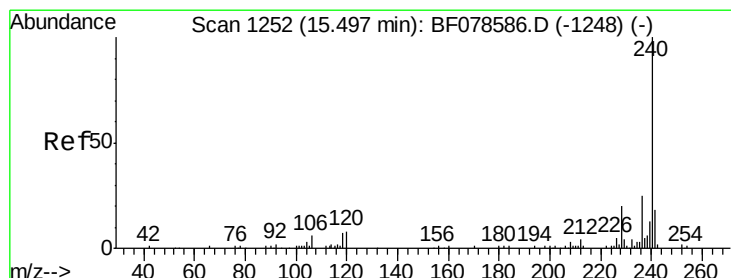
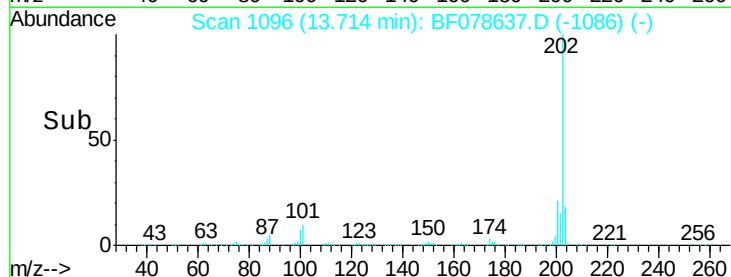
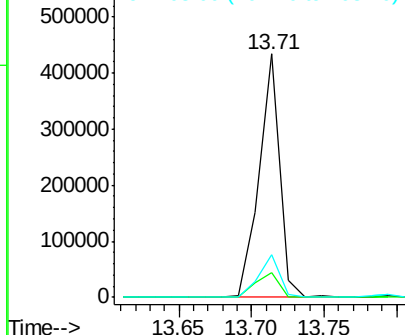
Tot Ion:	202	Resp:	424959
Ion Ratio		Lower	Upper
202	100		
101	10.3	0.0	35.2
203	17.7	0.0	38.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

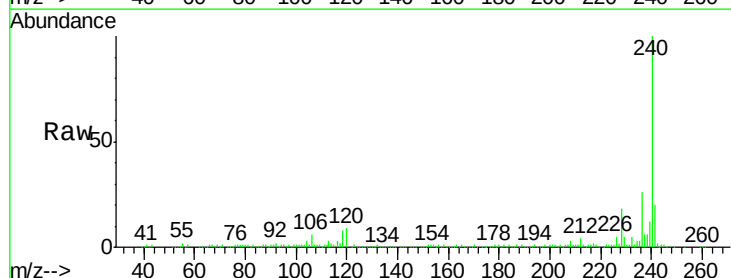
RT: 15.47 min Scan# 1250

Delta R.T. 0.01 min

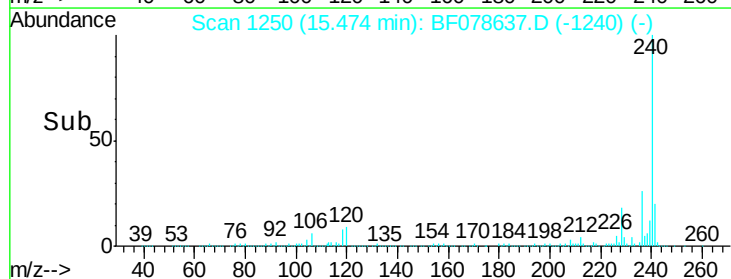
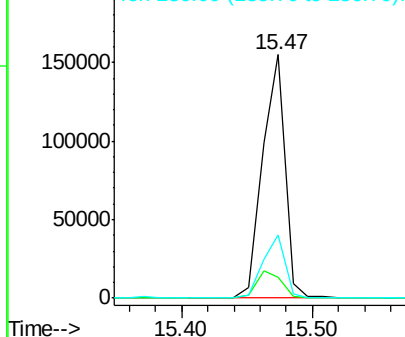
Lab File: BF078637.D

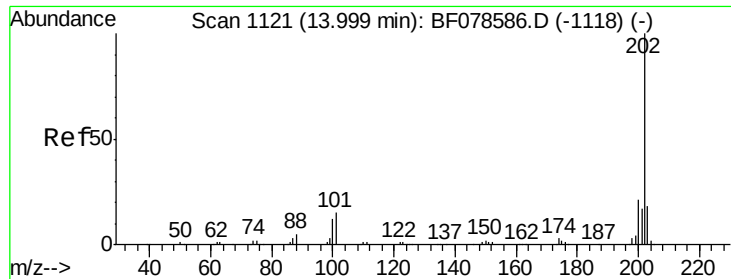
Acq: 18 Apr 2015 11:25

Tgt Ion:	240	Resp:	187413
Ion Ratio		Lower	Upper
240	100		
120	8.6	7.1	10.7
236	26.0	21.4	32.2



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

Pvrene

Concen: 34.97 ng

RT: 13.99 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

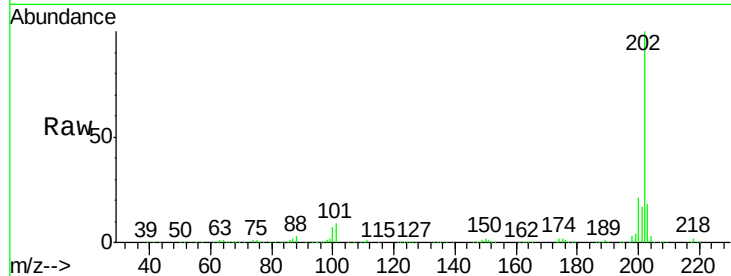
ClientSampleId :

SB-70S

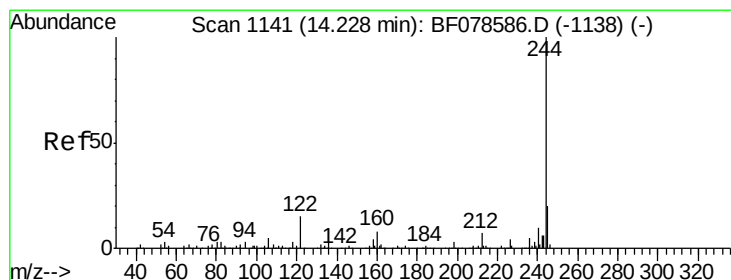
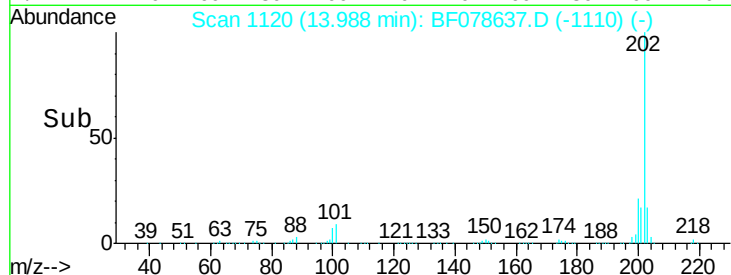
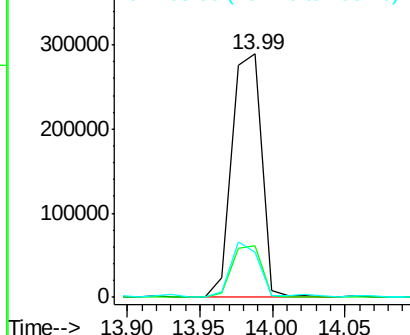
Tot Ion:	202	Resp:	411455
Ion Ratio		Lower	Upper
202	100		
200	21.0	16.3	24.5
203	18.3	13.8	20.6

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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: 75.34 ng

RT: 14.22 min Scan# 1140

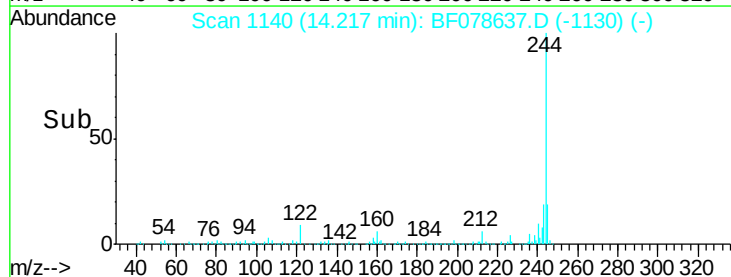
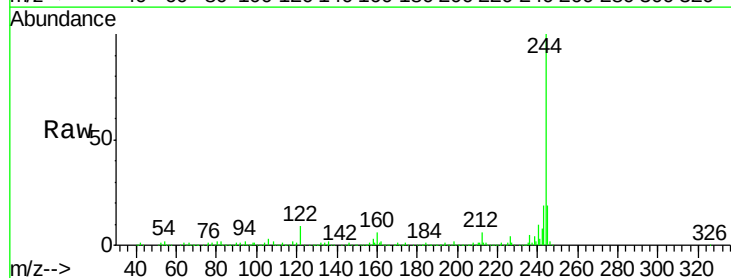
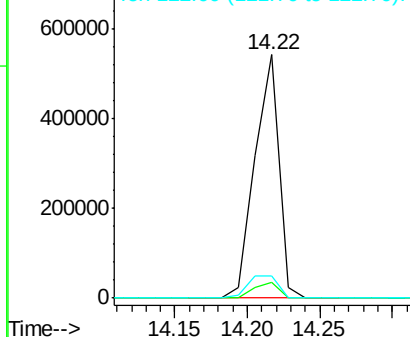
Delta R.T. 0.01 min

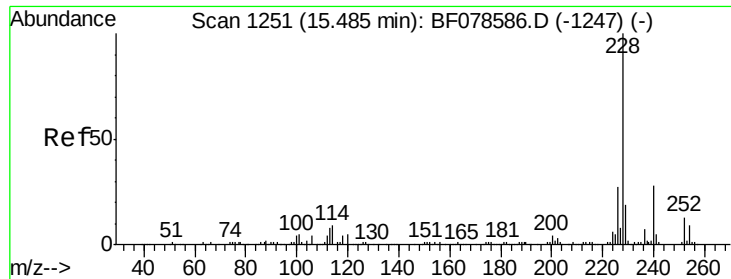
Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Tgt Ion:	244	Resp:	624892
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.0	7.4
122	9.3	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





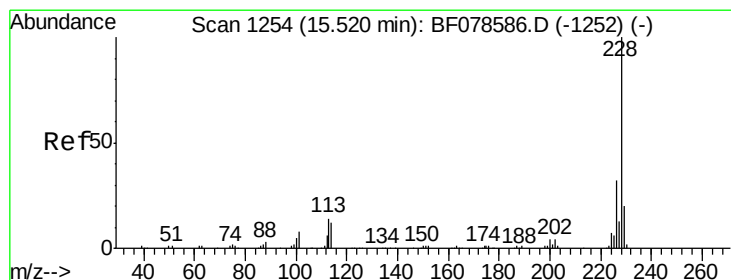
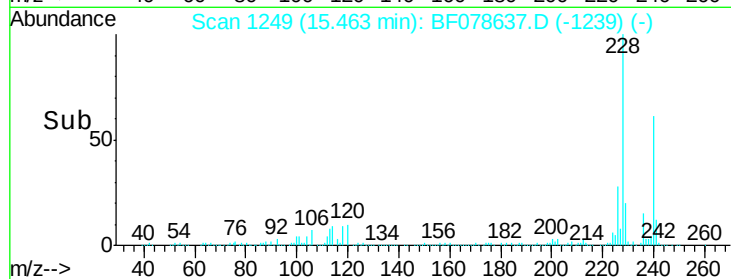
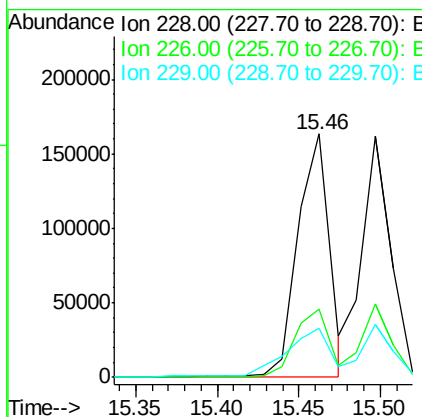
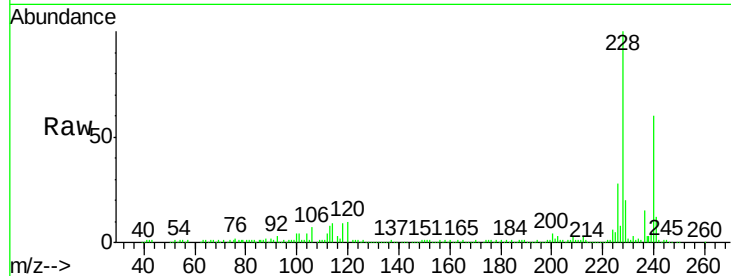
#80
Benzo(a)anthracene
Concen: 19.62 ng
RT: 15.46 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Instrument :
BNA_F
ClientSampled :
SB-70S

Tot Ion	Ratio	Resp	Lower	Upper
228	100	218736		
226	28.2	21.3	31.9	
229	20.3	15.4	23.2	

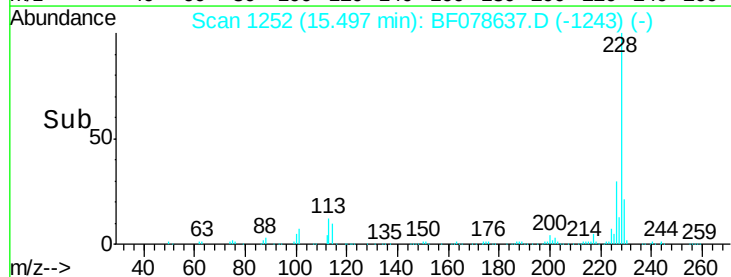
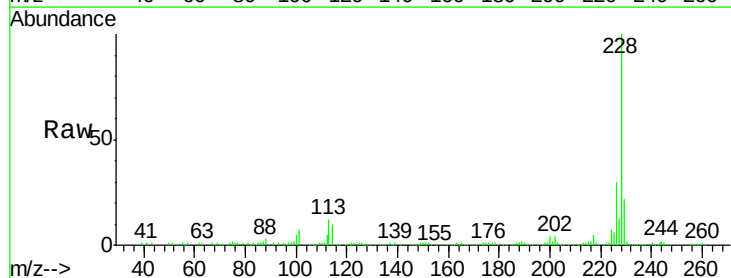
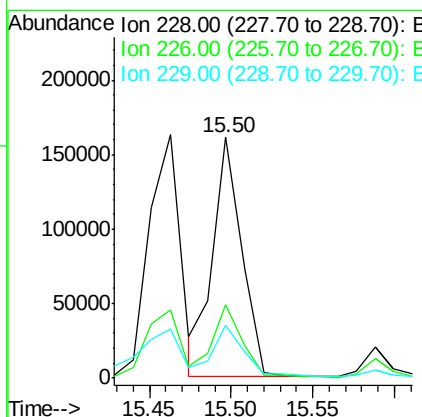
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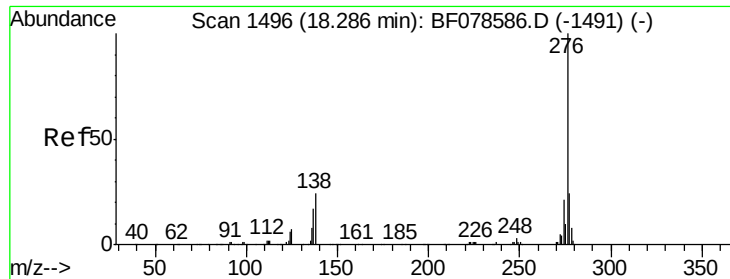
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#82
Chrysene
Concen: 18.93 ng
RT: 15.50 min Scan# 1252
Delta R.T. 0.00 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	198342		
226	30.3	24.2	36.4	
229	21.8	15.8	23.8	





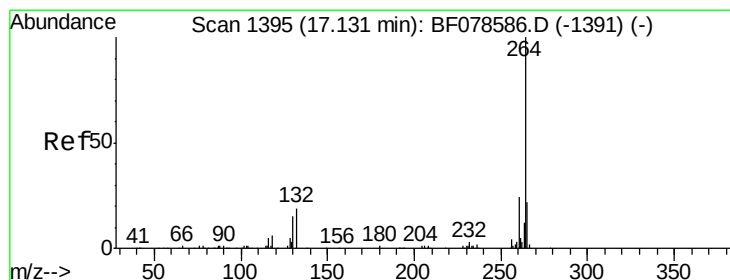
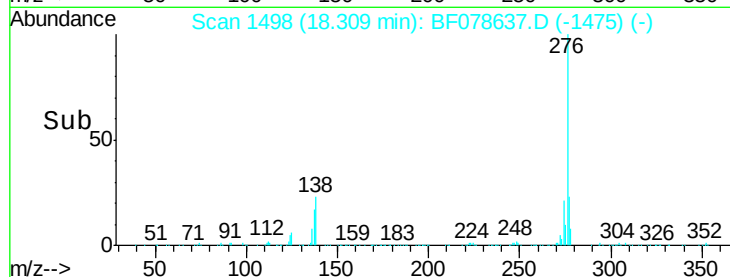
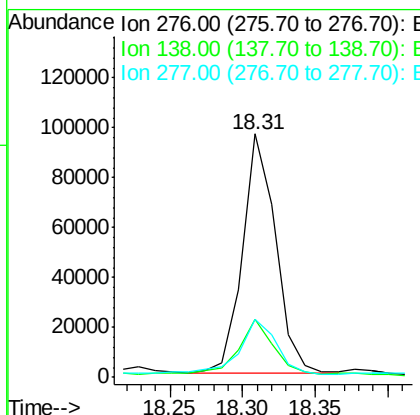
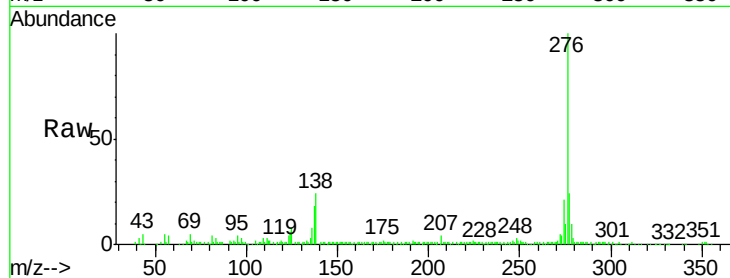
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.81 ng
 RT: 18.31 min Scan# 1498
 Delta R.T. -0.03 min
 Lab File: BF078637.D
 Acq: 18 Apr 2015 11:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-70S

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	16.9	25.3#
277	28.1	15.8	23.6#

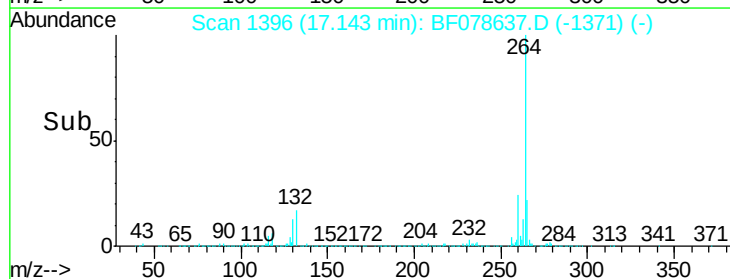
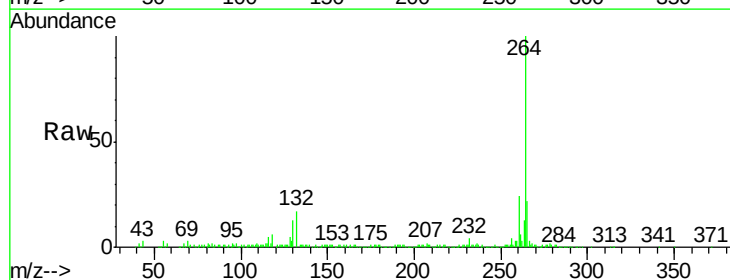
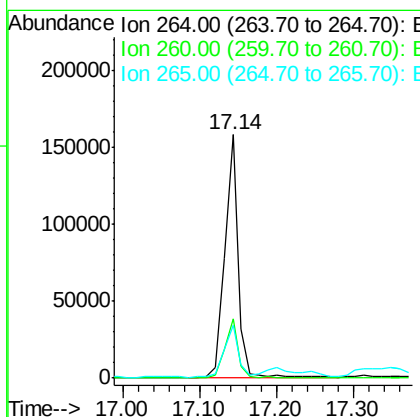
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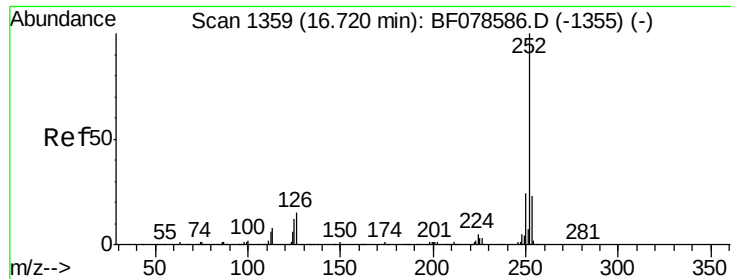
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.14 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF078637.D
 Acq: 18 Apr 2015 11:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	27.8
265	22.0	17.0	25.6





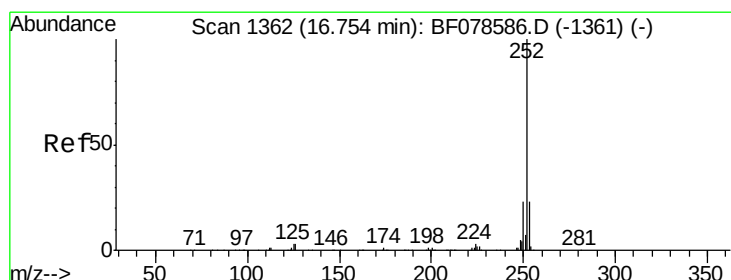
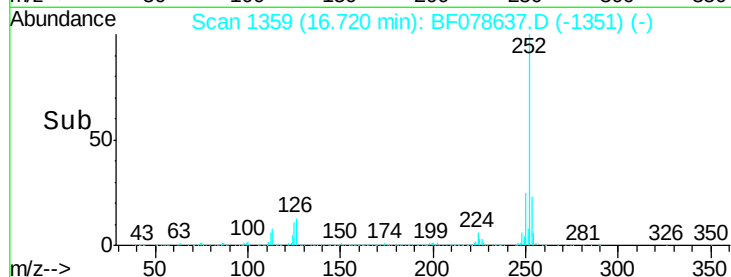
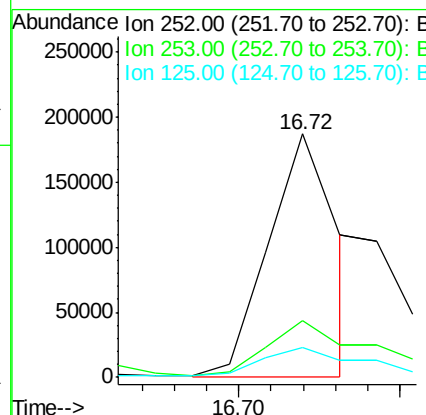
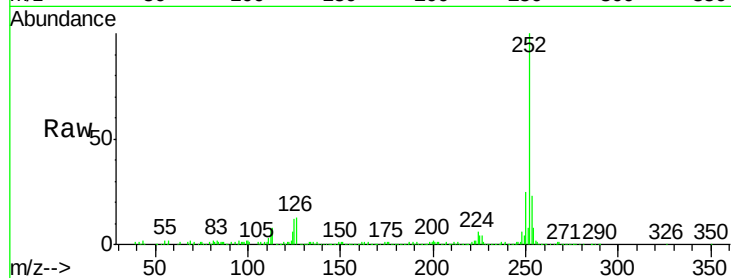
#87
Benzo(b)fluoranthene
Concen: 22.93 ng m
RT: 16.72 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Instrument :
BNA_F
ClientSampled :
SB-70S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.0	7.0	10.4

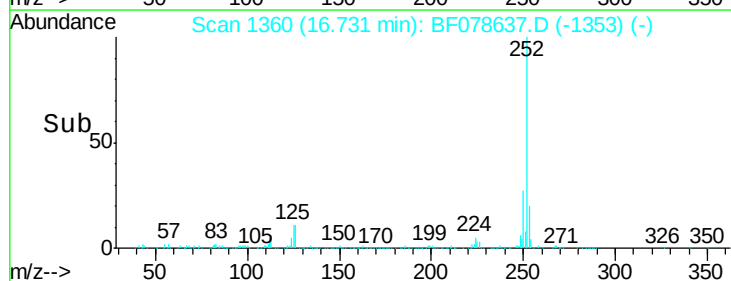
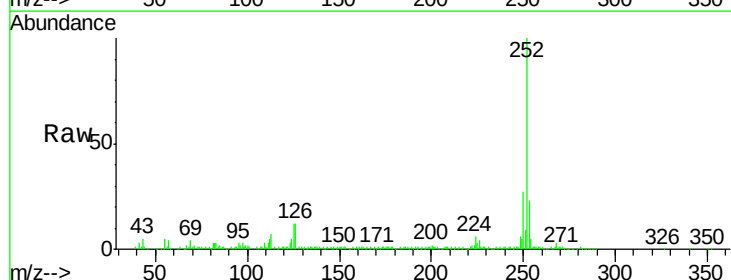
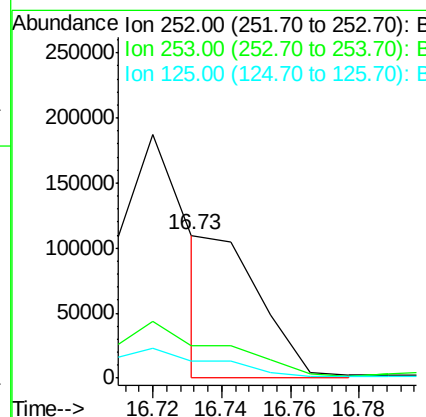
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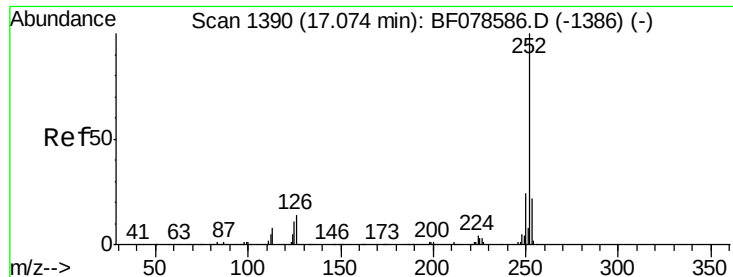
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#88
Benzo(k)fluoranthene
Concen: 10.13 ng m
RT: 16.73 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.9	11.6	17.4





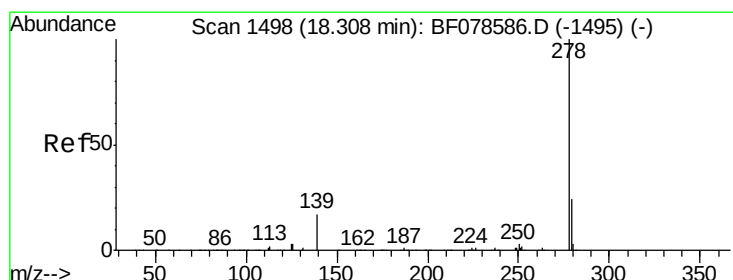
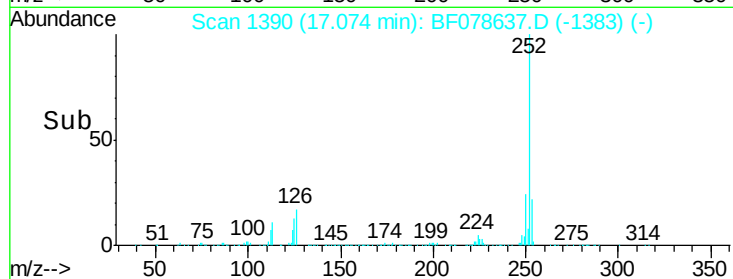
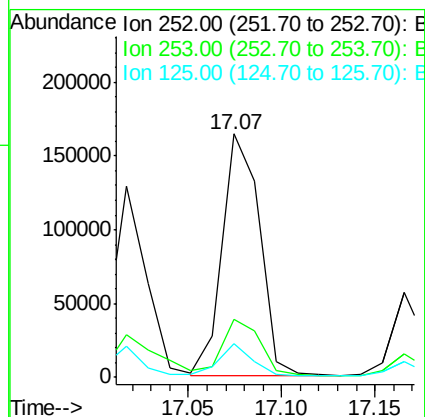
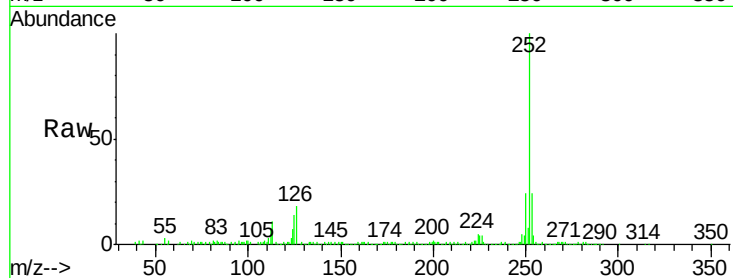
#89
Benzo(a)pyrene
Concen: 21.74 ng
RT: 17.07 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Instrument :
BNA_F
ClientSampled :
SB-70S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	16.8	25.2
125	13.8	7.4	11.0

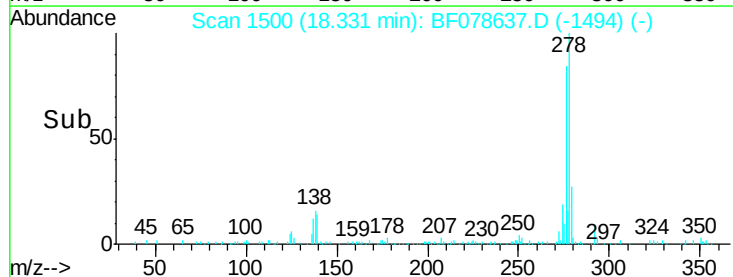
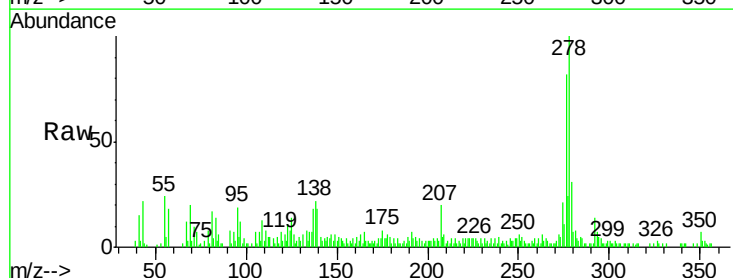
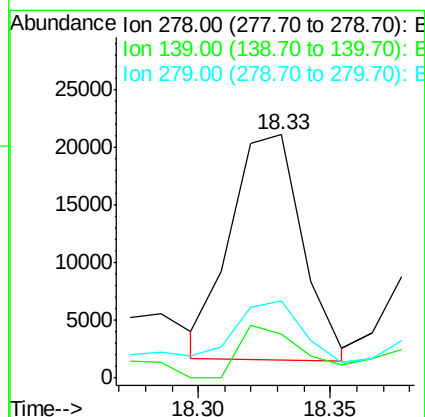
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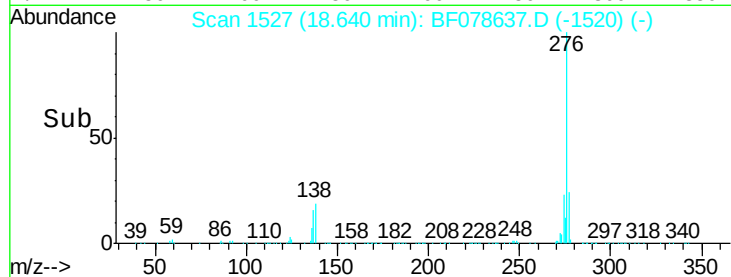
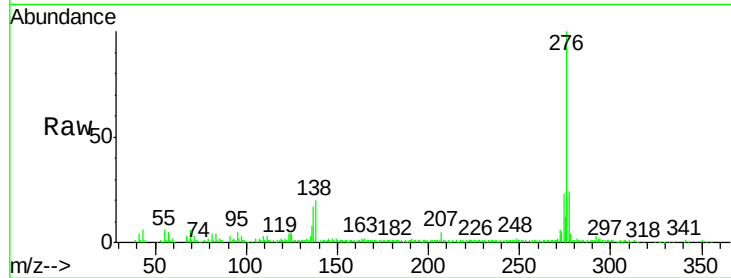
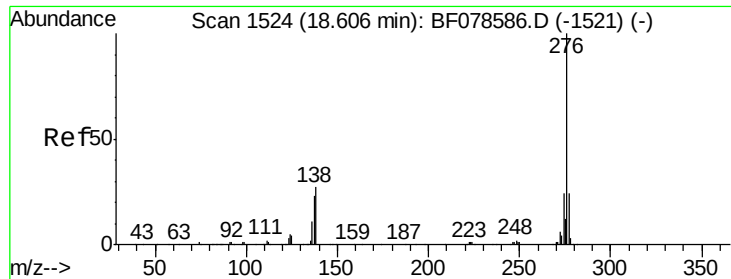
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#90
Dibenzo(a,h)anthracene
Concen: 3.49 ng m
RT: 18.33 min Scan# 1500
Delta R.T. -0.03 min
Lab File: BF078637.D
Acq: 18 Apr 2015 11:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.6	20.4
279	31.5	19.0	28.6





#91

Benzo(a,h,i)perylene

Concen: 14.30 ng

RT: 18.64 min Scan# 1527

Delta R.T. -0.02 min

Lab File: BF078637.D

Acq: 18 Apr 2015 11:25

Instrument :

BNA_F

ClientSampleId :

SB-70S

Tot Ion:	276	Resp:	151184
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.0	28.4
138	19.6	19.9	29.9#

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