

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
 Data File : BF078396.D
 Acq On : 10 Apr 2015 11:08
 Operator : TP/IZ
 Sample : G1794-02DL 20X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DBOXDL

Manual Integrations
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Quant Time: Apr 10 13:16:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 11:29:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	41350	20.00	ng	0.00
21) Naphthalene-d8	8.46	136	179187	20.00	ng	0.00
38) Acenaphthene-d10	10.62	164	86999	20.00	ng	-0.01
63) Phenanthrene-d10	12.45	188	162919	20.00	ng	-0.01
75) Chrysene-d12	15.72	240	166279	20.00	ng	-0.02
86) Perylene-d12	17.47	264	170153	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	8020	3.20	ng	-0.01
7) Phenol-d6	6.50	99	12127	3.86	ng	0.02
23) Nitrobenzene-d5	7.58	82	6453	2.18	ng	0.00
41) 2,4,6-Tribromophenol	11.60	330	2599	3.60	ng	-0.02
44) 2-Fluorobiphenyl	9.81	172	16801	2.76	ng	0.00
78) Terphenyl-d14	14.44	244	18051	2.45	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	12.48	178	183035	19.42	ng	100
71) Anthracene	12.54	178	29928	3.22	ng	97
72) Carbazole	12.76	167	23593	2.71	ng	100
74) Fluoranthene	13.95	202	470517	47.34	ng	90
77) Pyrene	14.23	202	389576	37.32	ng	98
80) Benzo(a)anthracene	15.71	228	203692	20.59	ng	98
82) Chrysene	15.76	228	241829	26.02	ng	98
85) Indeno(1,2,3-cd)pyrene	18.75	276	167328m	15.86	ng	
87) Benzo(b)fluoranthene	17.03	252	327887m	31.18	ng	
88) Benzo(k)fluoranthene	17.04	252	131805m	14.10	ng	
89) Benzo(a)pyrene	17.40	252	206933	22.55	ng	# 91
90) Dibenzo(a,h)anthracene	18.77	278	33820m	3.68	ng	
91) Benzo(a,h,i)perylene	19.11	276	160067m	17.37	ng	

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

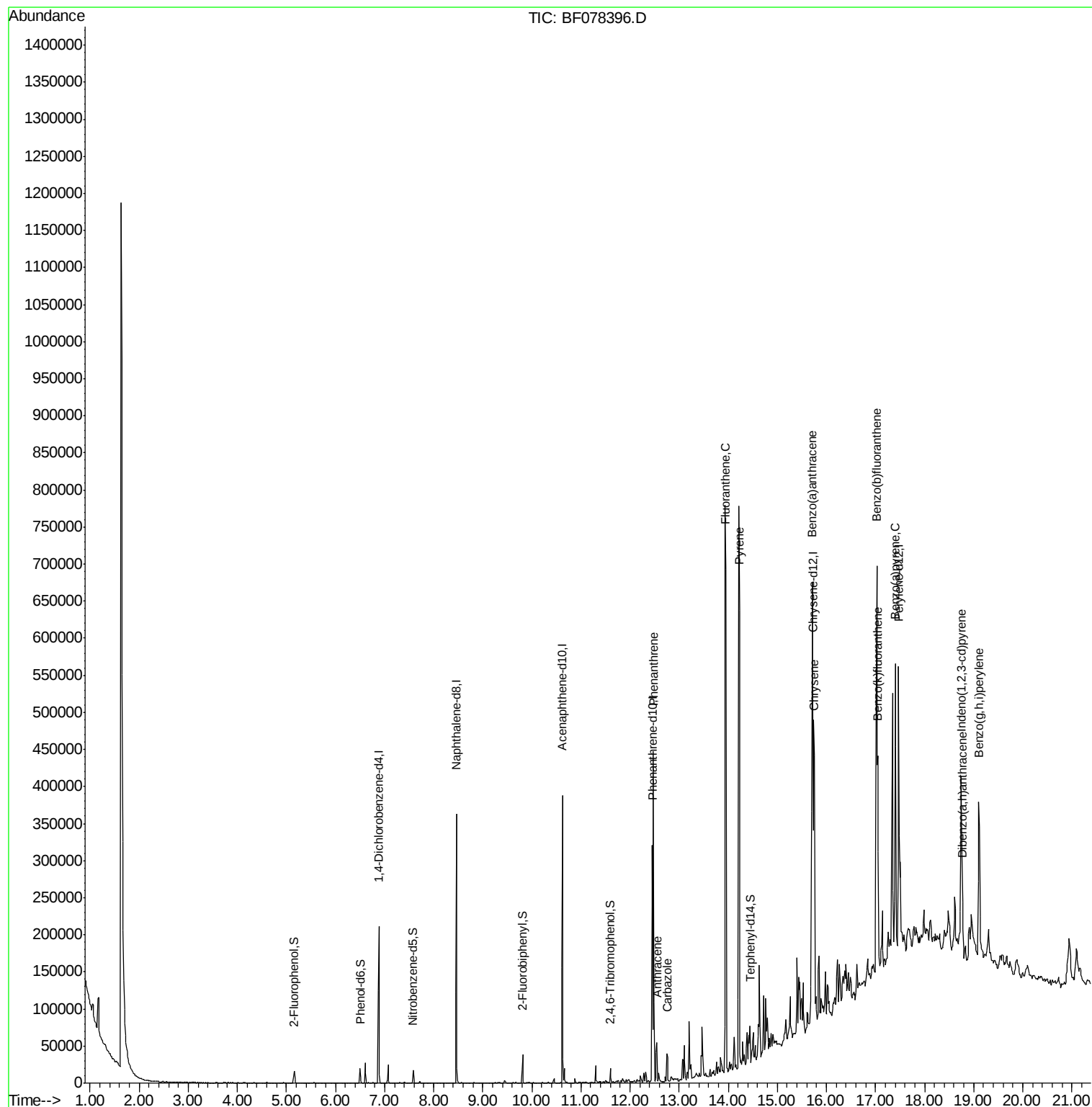
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
Data File : BF078396.D
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Operator : TP/IZ
Sample : G1794-02DL 20X
Misc :
ALS Vial : 37 Sample Multiplier: 1

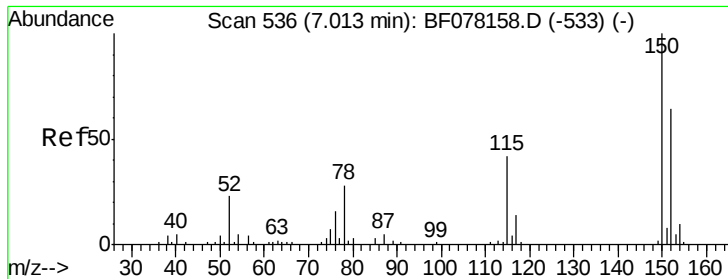
Instrument :
BNA_F
ClientSampleId :
DBOXDL

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Quant Time: Apr 10 13:16:36 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

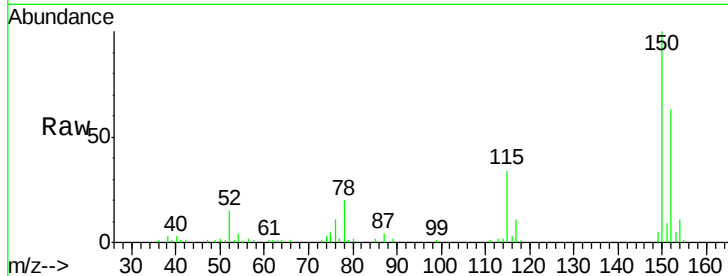
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF078396.D
Acq: 10 Apr 2015 11:08

Instrument :
BNA_F
ClientSampleId :
DBOXDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.9	188.9
115	53.6	52.7	79.1

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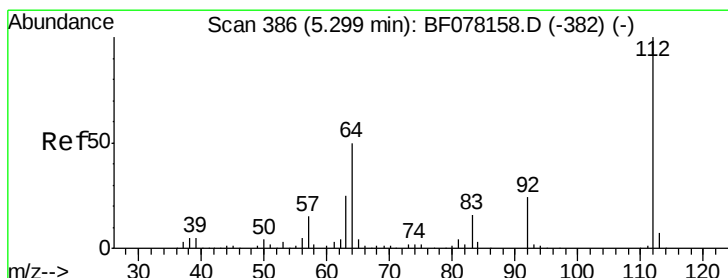
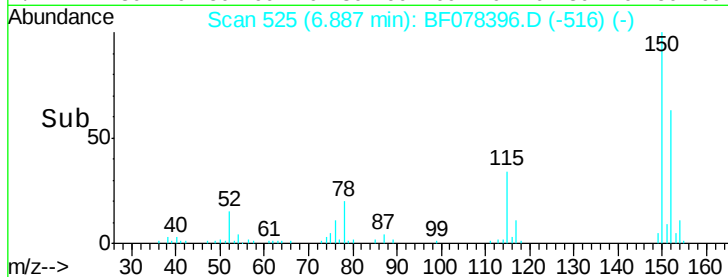
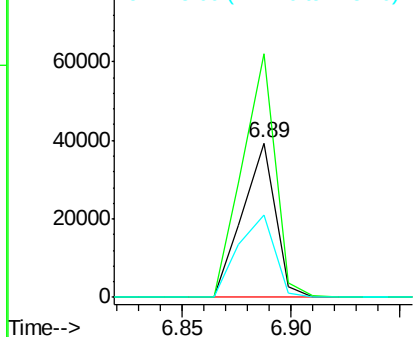


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

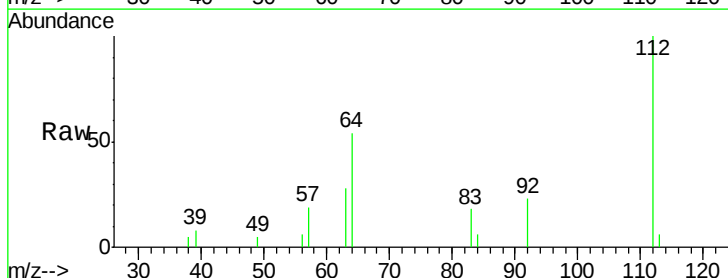
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 3.20 ng
RT: 5.16 min Scan# 374
Delta R.T. -0.01 min
Lab File: BF078396.D
Acq: 10 Apr 2015 11:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	39.9	59.9
63	28.0	20.2	30.4

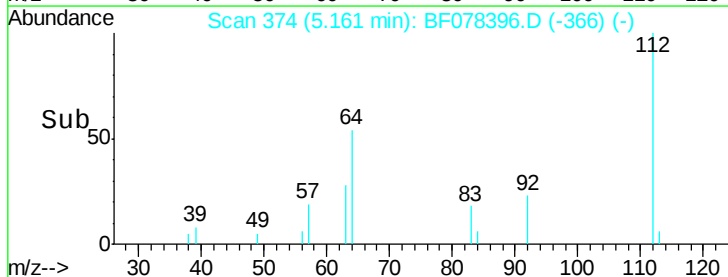
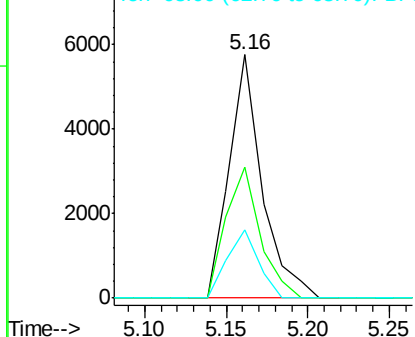


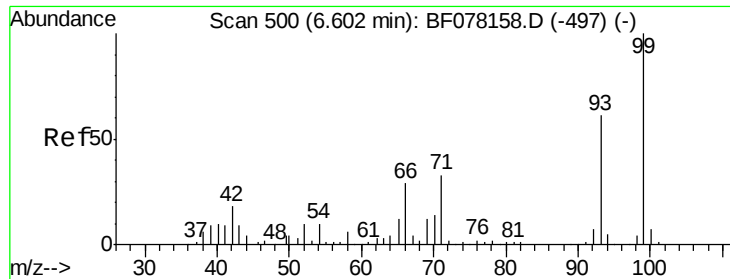
Abundance

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: 3.86 ng

RT: 6.50 min Scan# 491

Delta R.T. 0.02 min

Lab File: BF078396.D

Acq: 10 Apr 2015 11:08

Instrument :

BNA_F

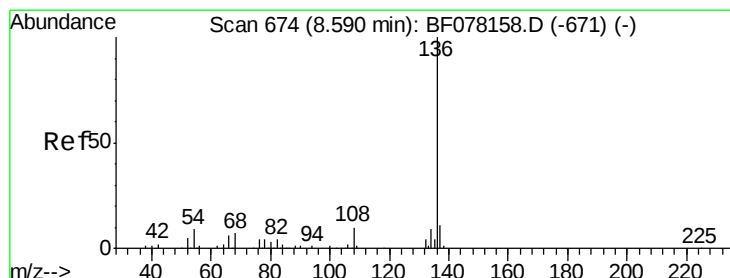
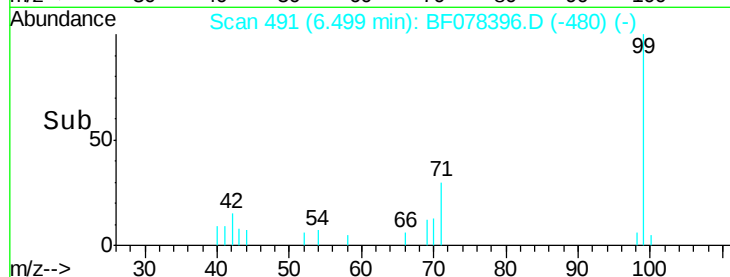
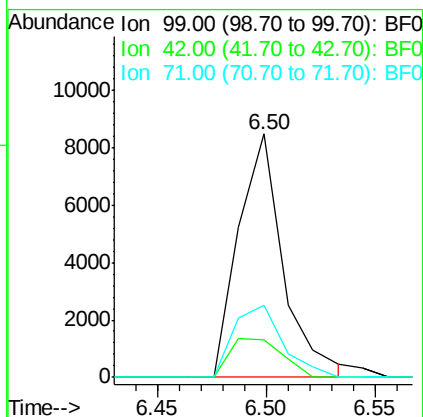
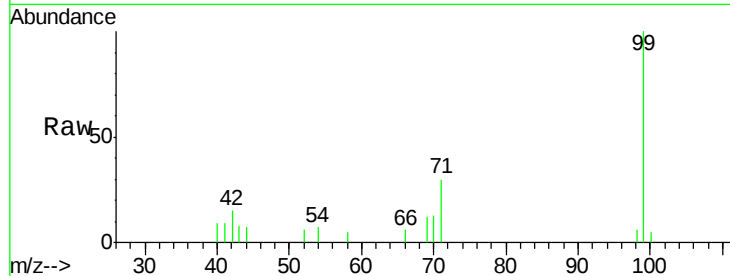
ClientSampleId :

DBOXDL

Tot Ion:	99	Resp:	12127
Ion Ratio	Lower	Upper	
99	100		
42	15.2	14.8	22.2
71	29.7	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

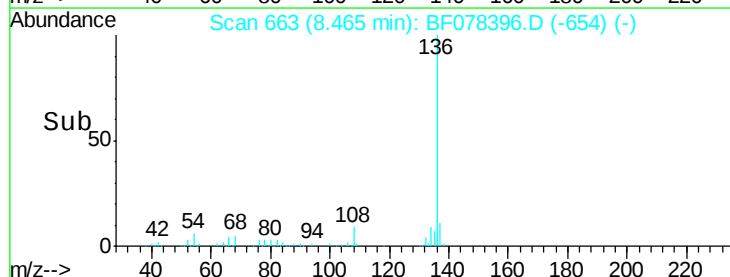
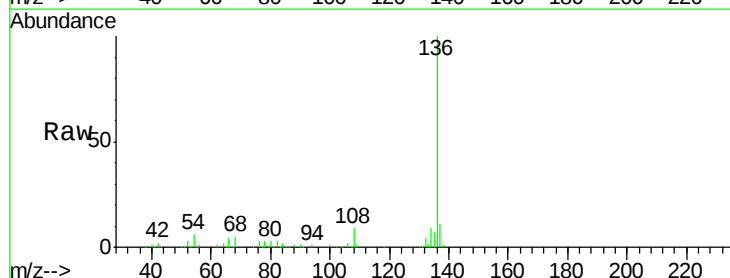
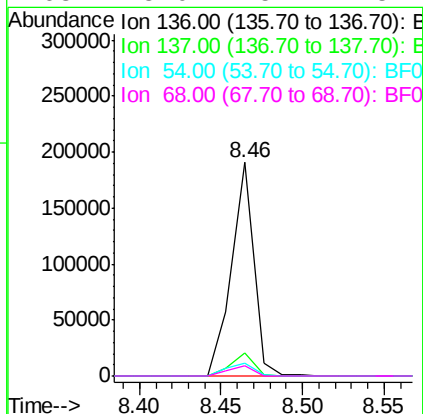
RT: 8.46 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF078396.D

Acq: 10 Apr 2015 11:08

Tgt Ion:	136	Resp:	179187
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	6.3	7.0	10.6#
68	5.0	5.4	8.2#





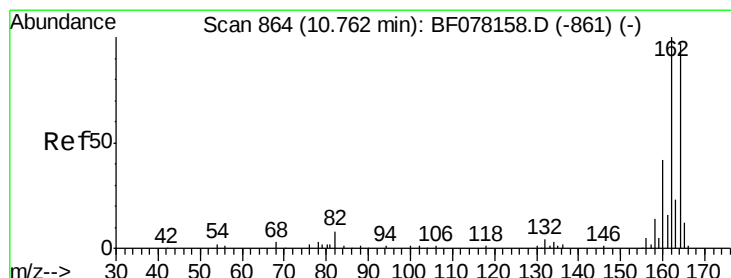
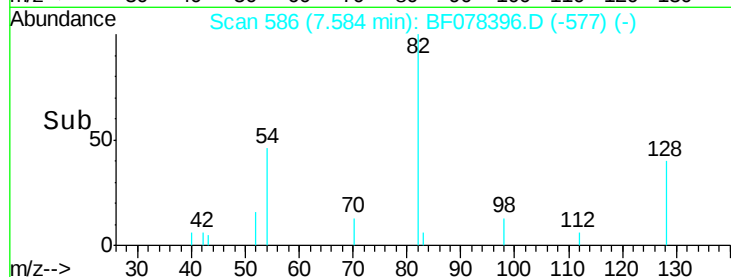
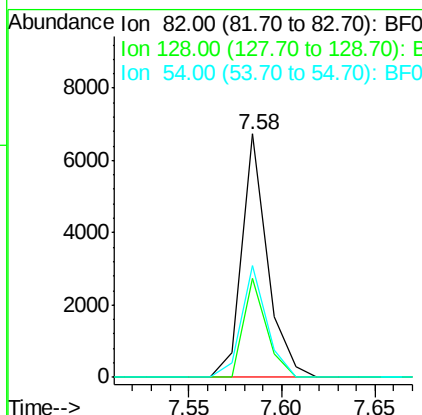
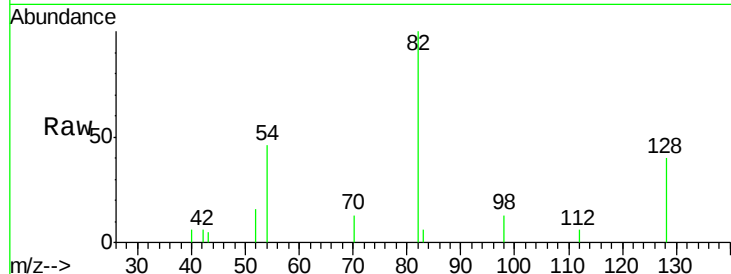
#23
 Nitrobenzene-d5
 Concen: 2.18 ng
 RT: 7.58 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: BF078396.D
 Acq: 10 Apr 2015 11:08

Instrument :
 BNA_F
 ClientSampleID :
 DBOXDL

Tot Ion	82	Resp	6453
Ion Ratio	Lower	Upper	
82	100		
128	40.5	31.8	47.8
54	46.1	41.5	62.3

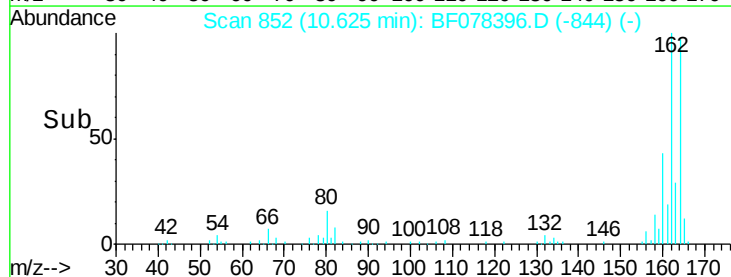
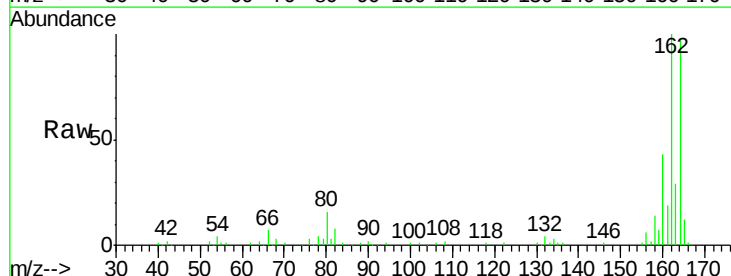
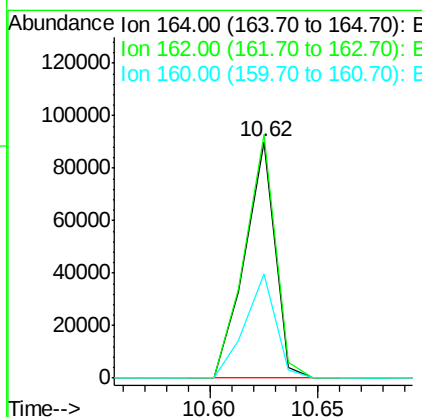
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.62 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF078396.D
 Acq: 10 Apr 2015 11:08

Tgt Ion	164	Resp	86999
Ion Ratio	Lower	Upper	
164	100		
162	103.2	82.2	123.2
160	43.9	34.7	52.1





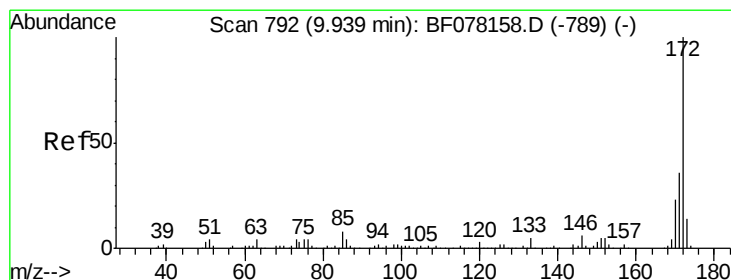
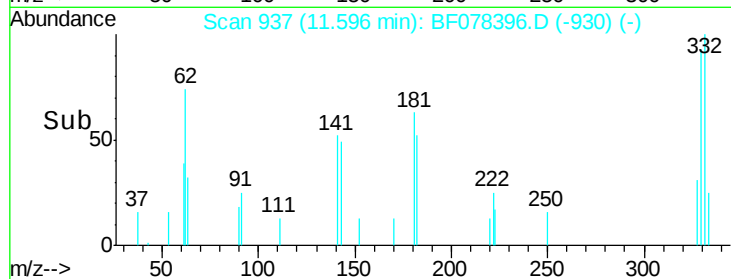
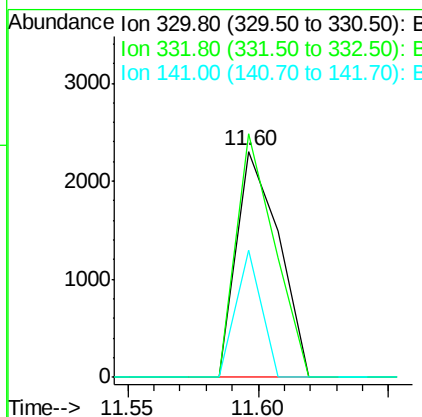
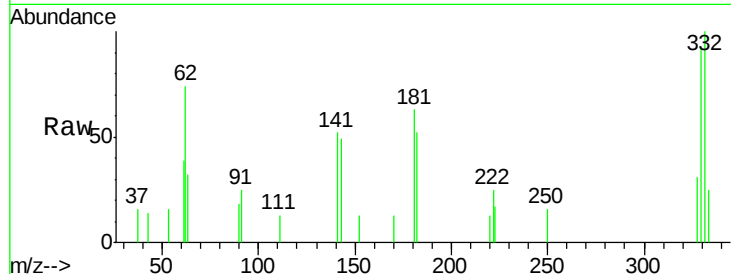
#41
 2,4,6-Tribromophenol
 Concen: 3.60 ng
 RT: 11.60 min Scan# 937
 Delta R.T. -0.02 min
 Lab File: BF078396.D
 Acq: 10 Apr 2015 11:08

Instrument :
 BNA_F
 ClientSampled :
 DBOXDL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	2599		
332	97.5		78.6	117.8
141	34.2		31.2	46.8

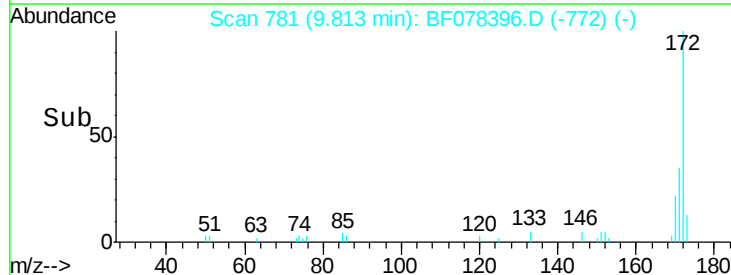
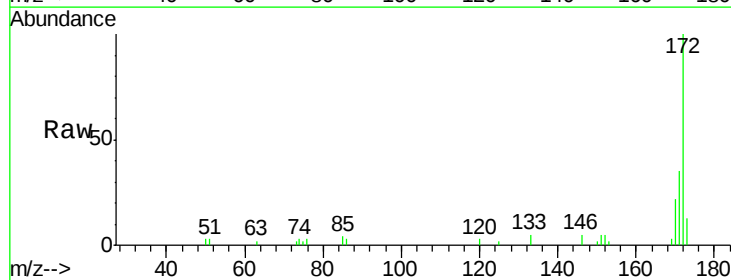
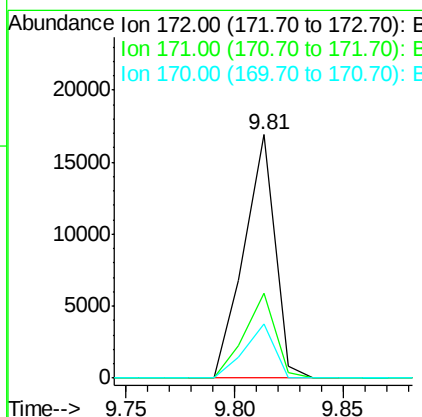
Manual Integrations
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#44
 2-Fluorobiphenyl
 Concen: 2.76 ng
 RT: 9.81 min Scan# 781
 Delta R.T. 0.00 min
 Lab File: BF078396.D
 Acq: 10 Apr 2015 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	16801		
171	35.1		28.6	42.8
170	22.4		18.5	27.7





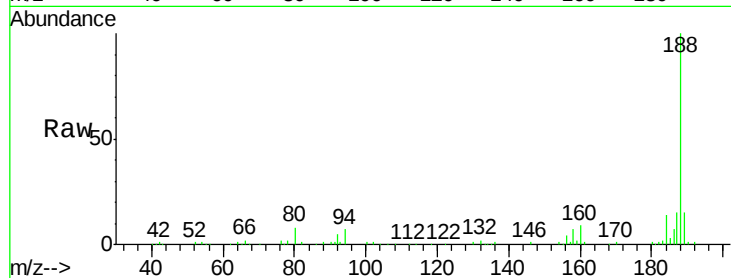
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.45 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BF078396.D
 Acq: 10 Apr 2015 11:08

Instrument :
 BNA_F
 ClientSampleID :
 DBOXDL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.5	9.0	13.4#
80	7.9	9.5	14.3#

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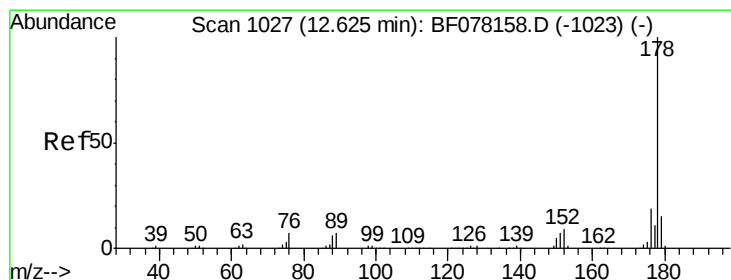
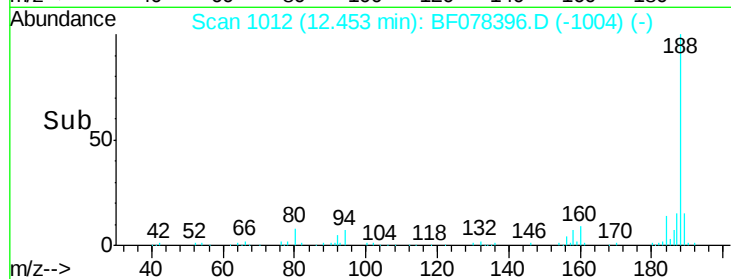
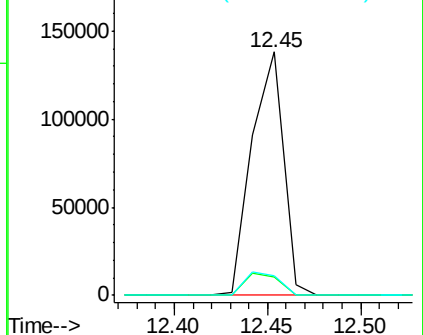
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



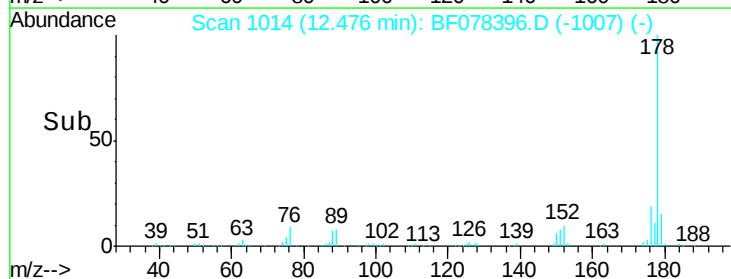
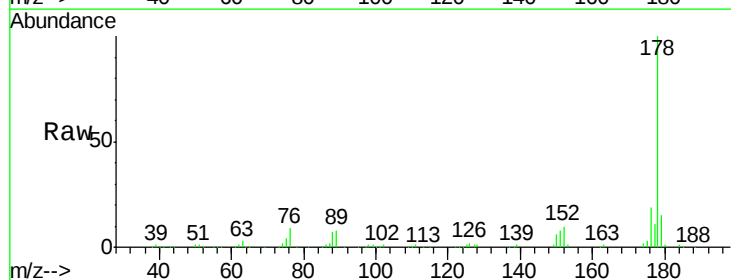
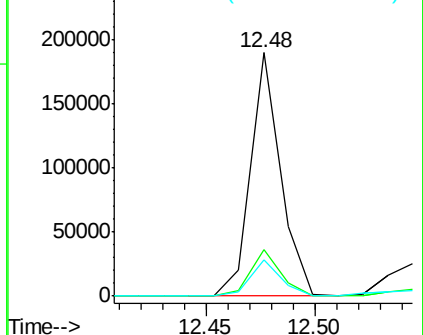
#70
 Phenanthrene
 Concen: 19.42 ng
 RT: 12.48 min Scan# 1014
 Delta R.T. -0.02 min
 Lab File: BF078396.D
 Acq: 10 Apr 2015 11:08

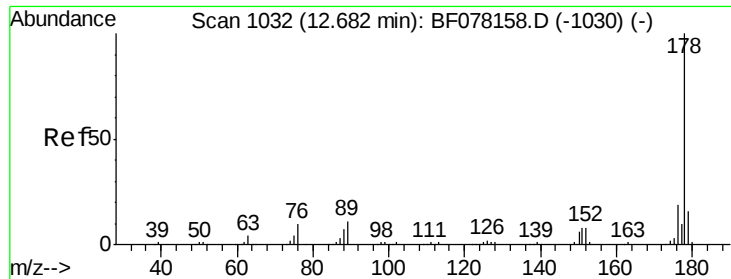
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.1	12.2	18.2

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





#71

Anthracene

Concen: 3.22 ng

RT: 12.54 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF078396.D

Acq: 10 Apr 2015 11:08

Instrument :

BNA_F

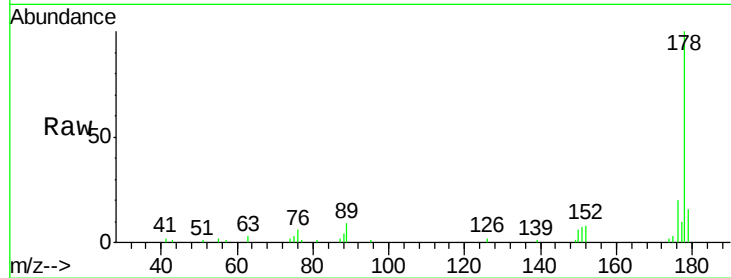
ClientSampled :

DBOXDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.8	22.2
179	15.9	12.4	18.6

Manual Integrations
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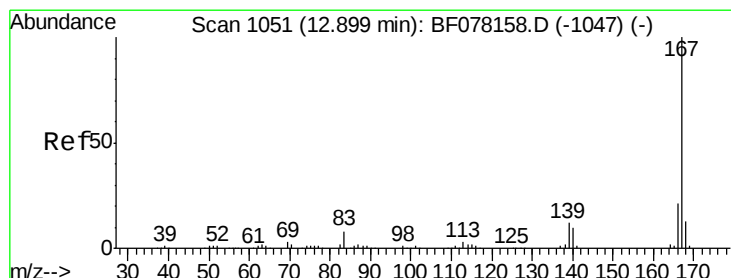
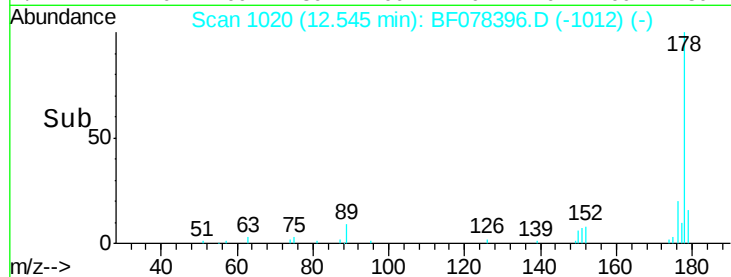
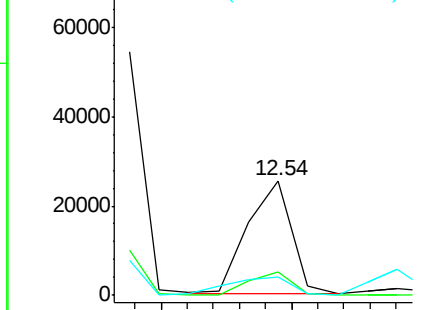
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.71 ng

RT: 12.76 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF078396.D

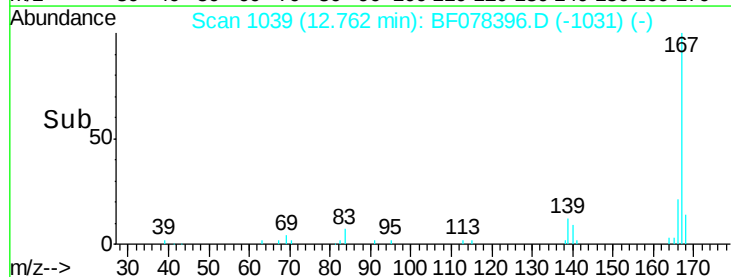
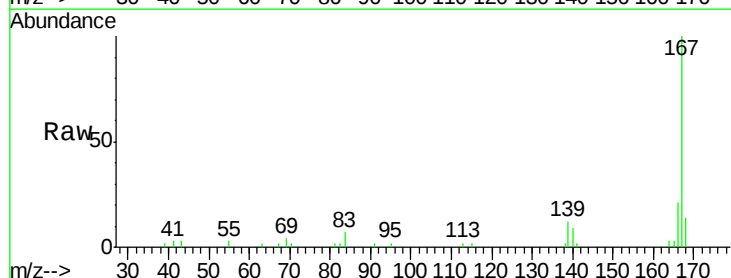
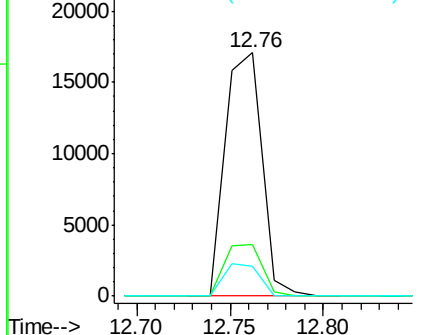
Acq: 10 Apr 2015 11:08

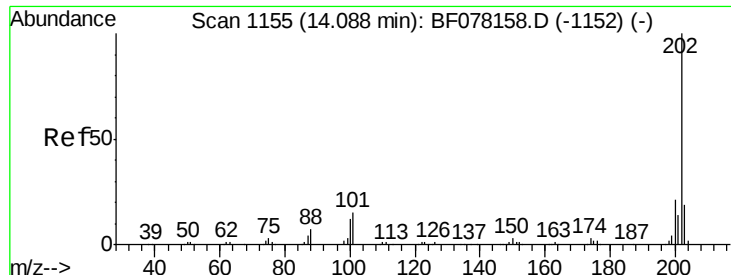
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.8	25.2
139	12.4	10.0	15.0

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





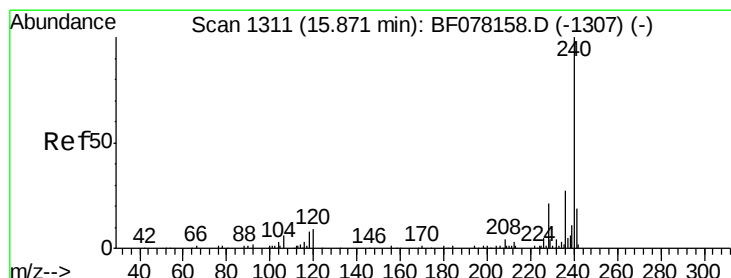
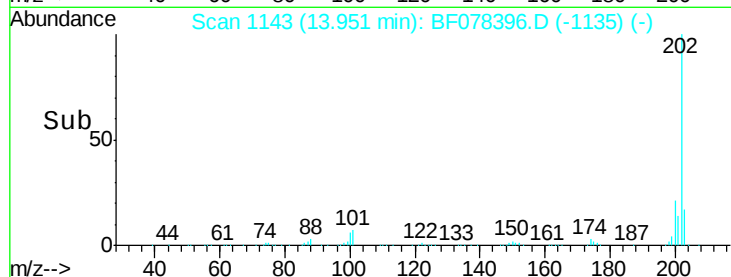
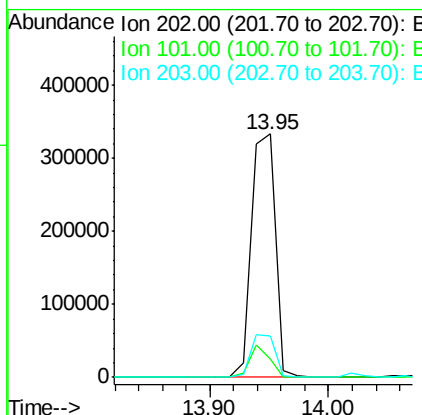
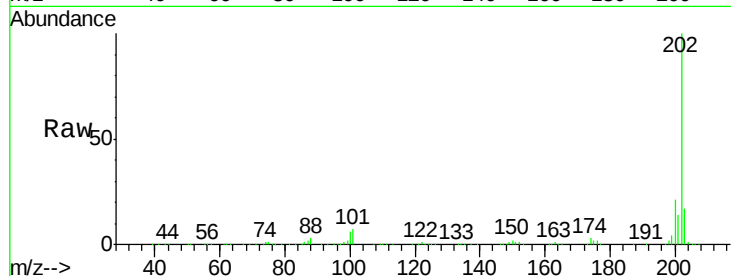
#74
 Fluoranthene
 Concen: 47.34 ng
 RT: 13.95 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF078396.D
 Acq: 10 Apr 2015 11:08

Instrument :
 BNA_F
 ClientSampleId :
 DBOXDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.5	0.0	35.2
203	17.1	0.0	38.5

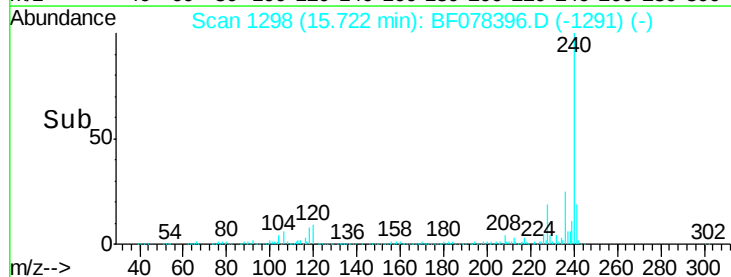
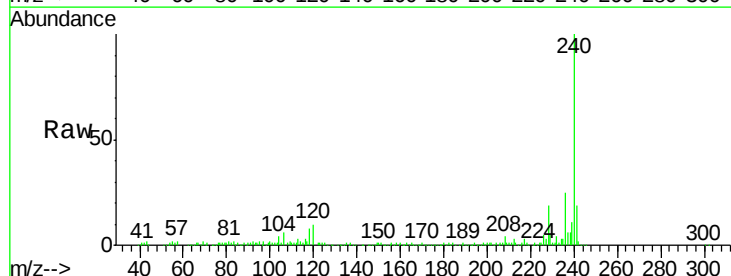
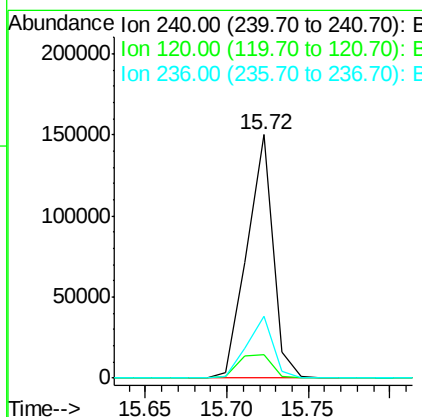
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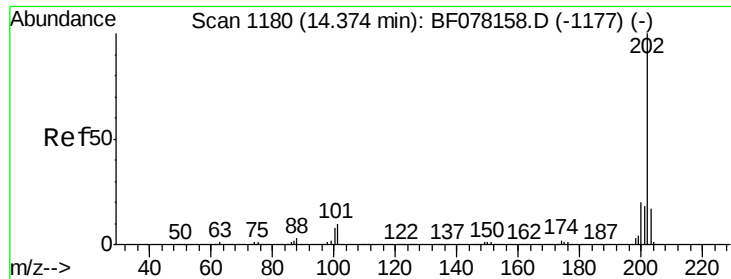
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.72 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF078396.D
 Acq: 10 Apr 2015 11:08

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.5	7.1	10.7
236	25.4	21.4	32.2





#77

Pvrene

Concen: 37.32 ng

RT: 14.23 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF078396.D

Acq: 10 Apr 2015 11:08

Instrument :

BNA_F

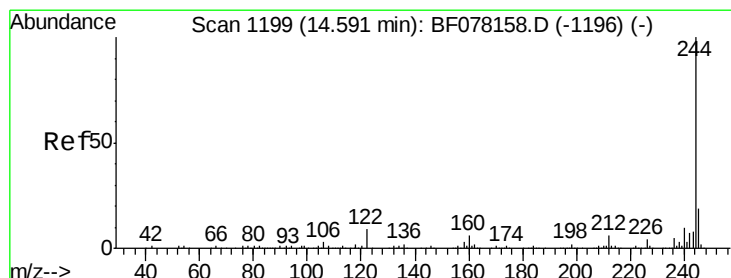
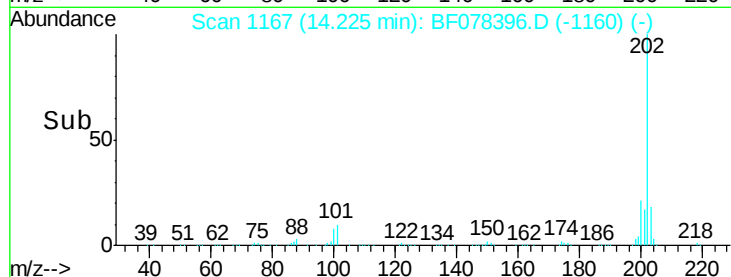
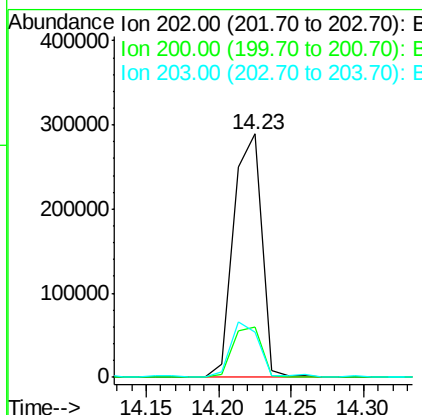
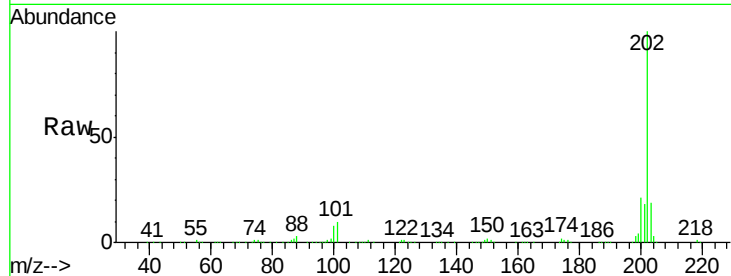
ClientSampleId :

DBOXDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.3	24.5
203	18.6	13.8	20.6

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#78

Terphenyl-d14

Concen: 2.45 ng

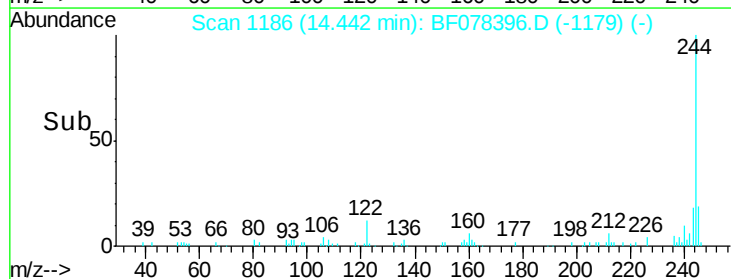
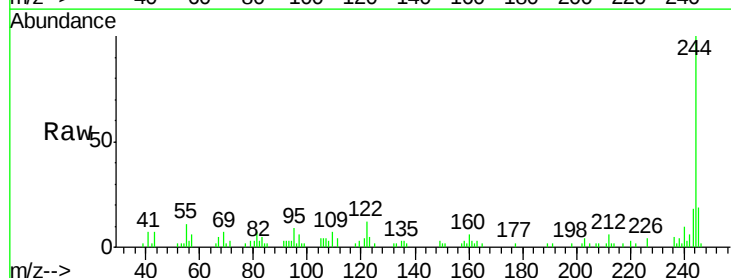
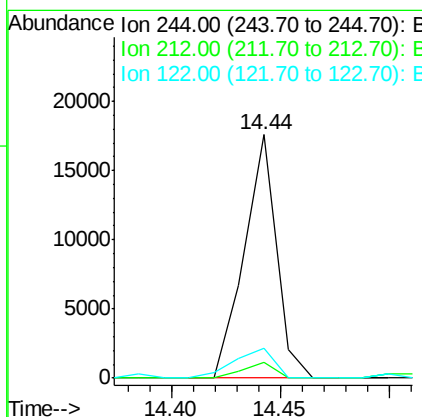
RT: 14.44 min Scan# 1186

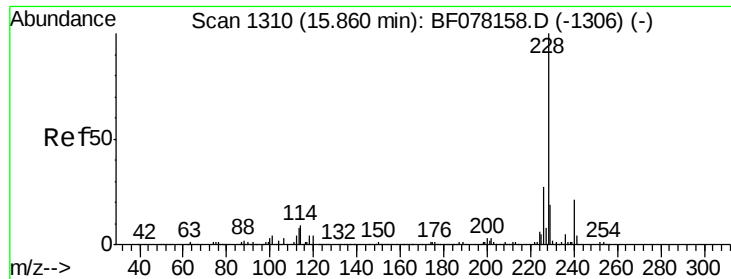
Delta R.T. -0.02 min

Lab File: BF078396.D

Acq: 10 Apr 2015 11:08

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.0	7.4
122	12.2	7.1	10.7#





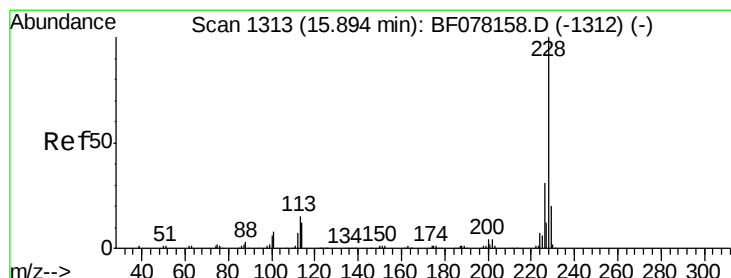
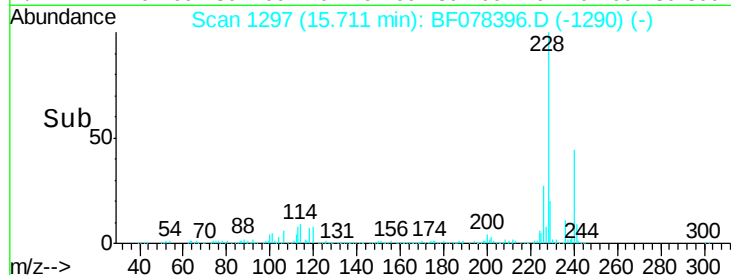
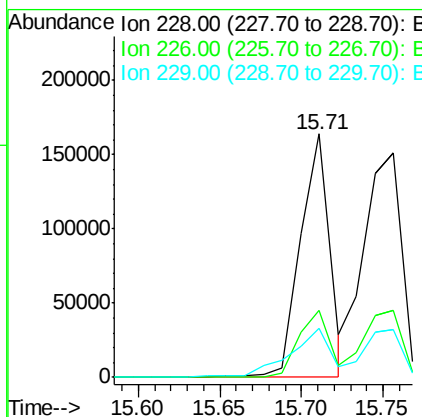
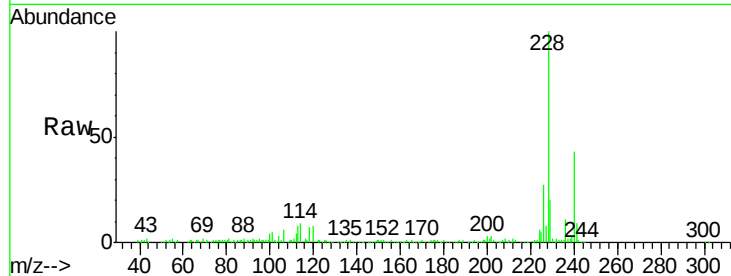
#80
Benzo(a)anthracene
Concen: 20.59 ng
RT: 15.71 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF078396.D
Acq: 10 Apr 2015 11:08

Instrument :
BNA_F
ClientSampleId :
DBOXDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.3	31.9
229	20.1	15.4	23.2

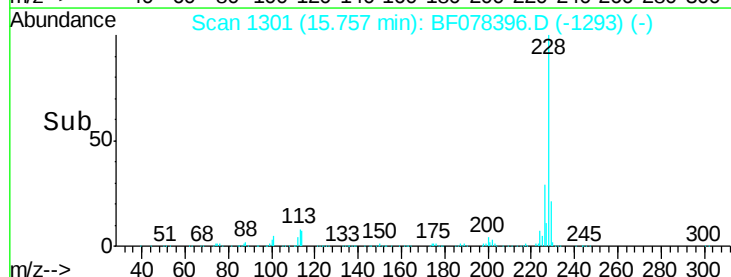
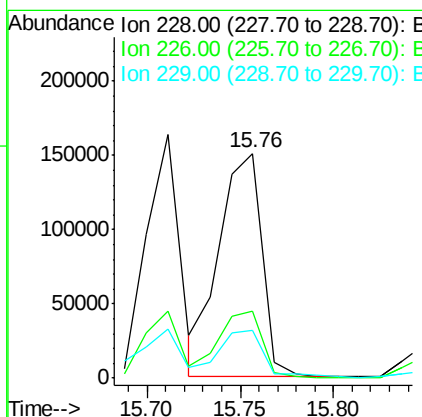
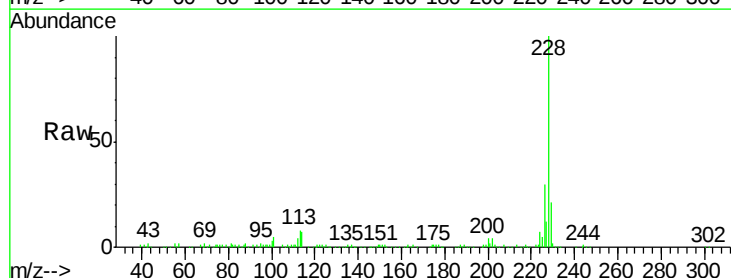
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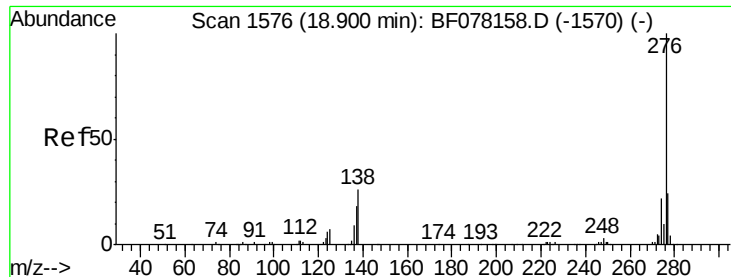
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4/10/2015 5:14:02 PM



#82
Chrysene
Concen: 26.02 ng
RT: 15.76 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF078396.D
Acq: 10 Apr 2015 11:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.2	36.4
229	21.5	15.8	23.8





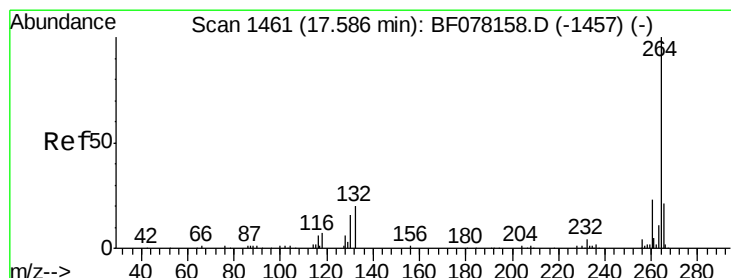
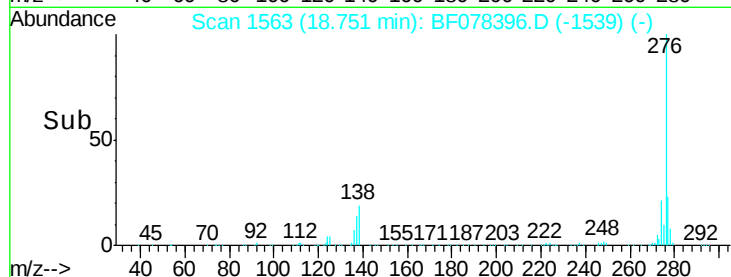
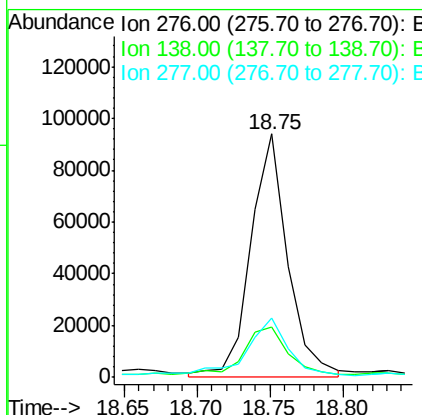
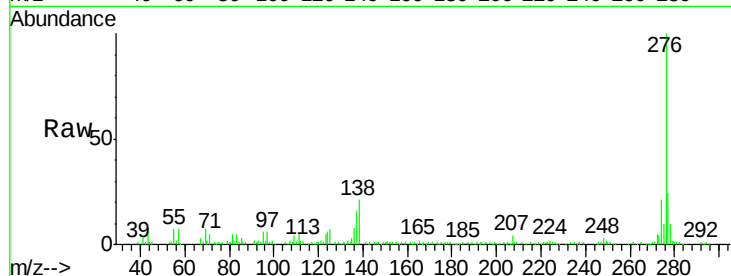
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.86 ng/mL
RT: 18.75 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF078396.D
Acq: 10 Apr 2015 11:08

Instrument :
BNA_F
ClientSampleId :
DBOXDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.4	16.9	25.3
277	4.1	15.8	23.6

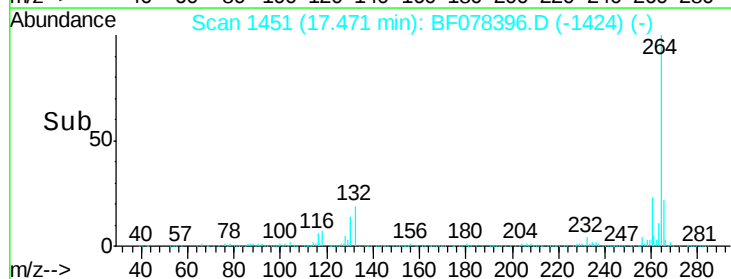
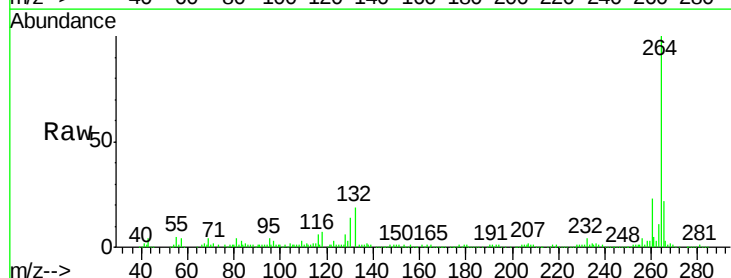
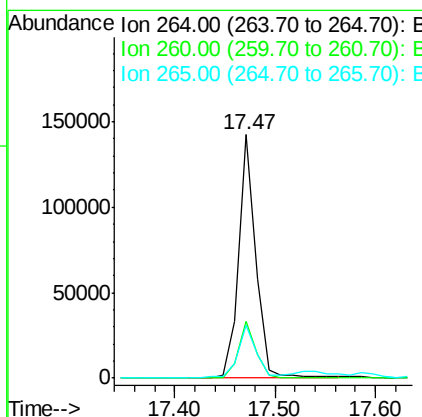
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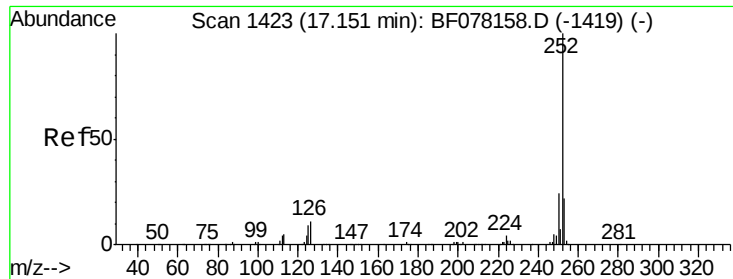
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4/10/2015 5:14:02 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.47 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BF078396.D
Acq: 10 Apr 2015 11:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.6	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 31.18 ng m

RT: 17.03 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BF078396.D

Acq: 10 Apr 2015 11:08

Instrument :

BNA_F

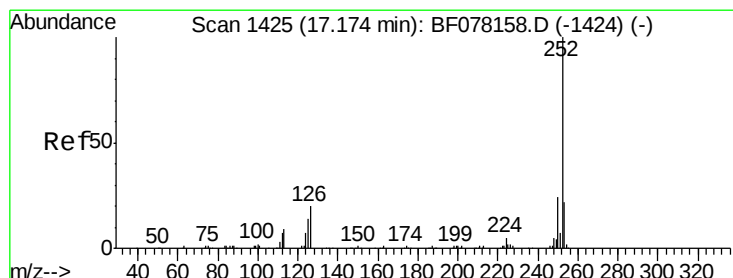
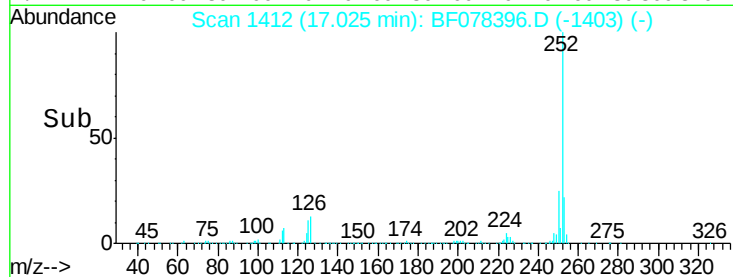
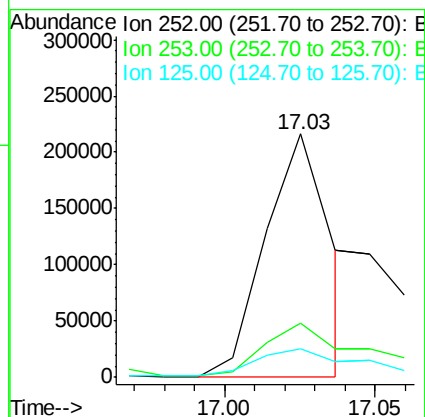
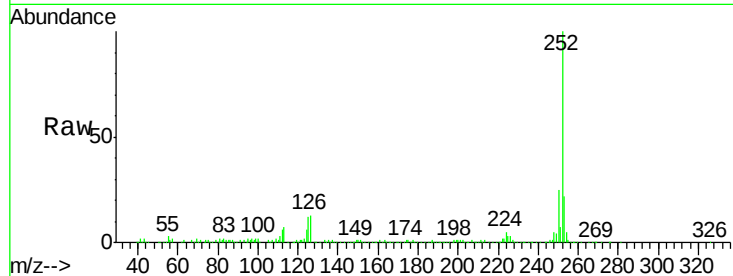
ClientSampled :

DBOXDL

Tot Ion:	252	Resp:	327887
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	12.0	7.0	10.4

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#88

Benzo(k)fluoranthene

Concen: 14.10 ng m

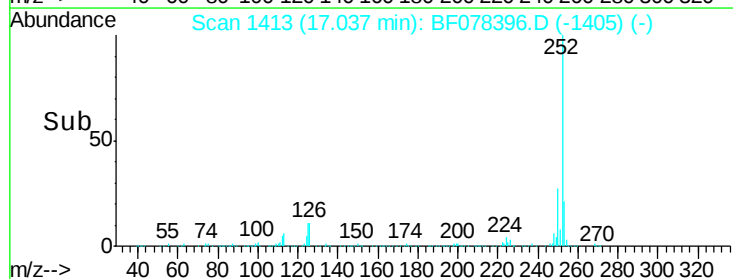
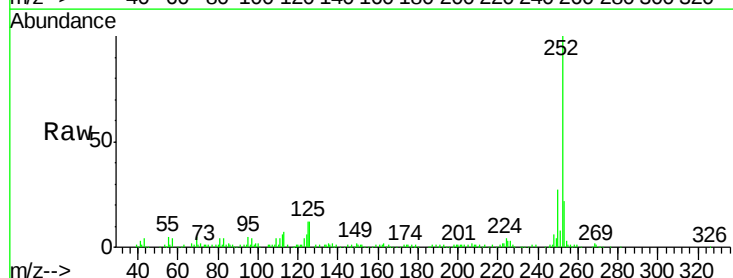
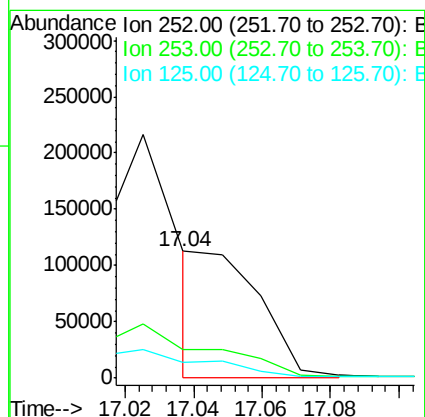
RT: 17.04 min Scan# 1413

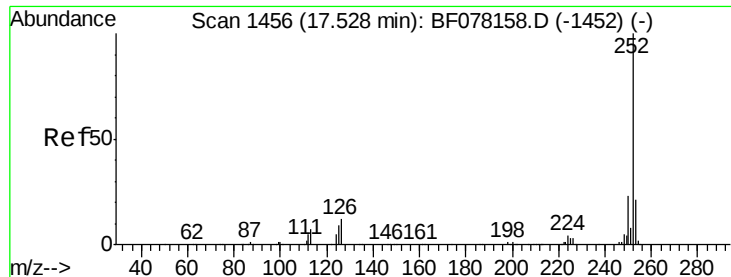
Delta R.T. -0.01 min

Lab File: BF078396.D

Acq: 10 Apr 2015 11:08

Tgt Ion:	252	Resp:	131805
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.5	26.3
125	12.1	11.6	17.4





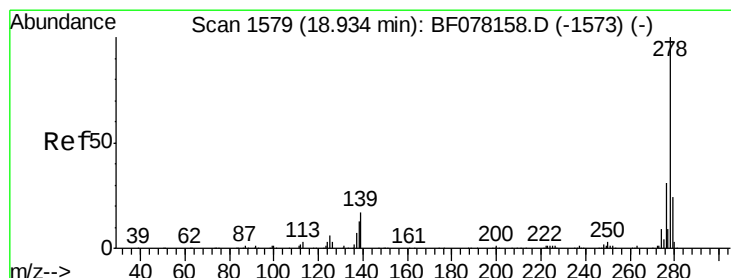
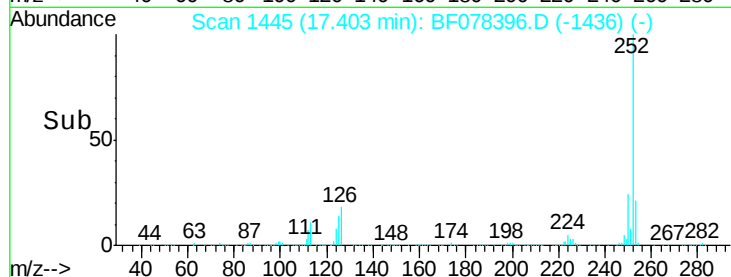
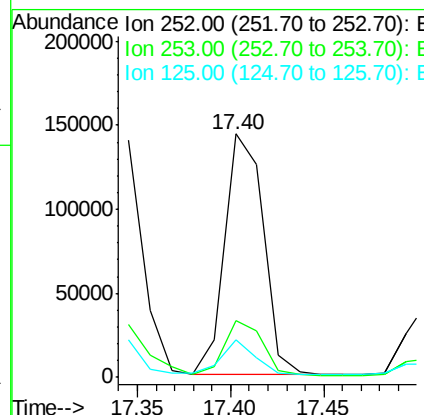
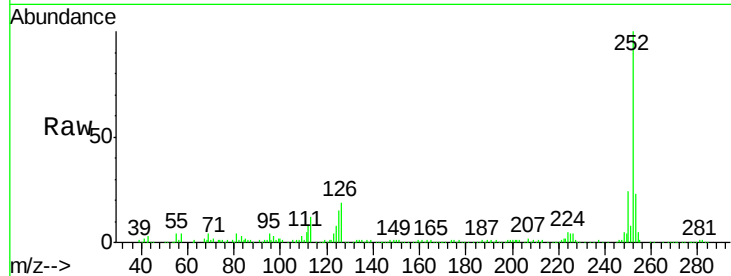
#89
Benzo(a)pyrene
Concen: 22.55 ng
RT: 17.40 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BF078396.D
Acq: 10 Apr 2015 11:08

Instrument :
BNA_F
ClientSampleId :
DBOXDL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	16.8	25.2
125	15.5	7.4	11.0

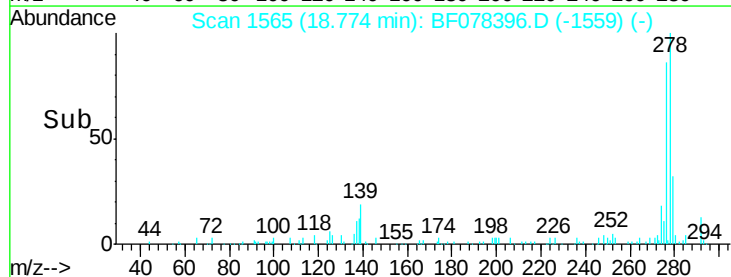
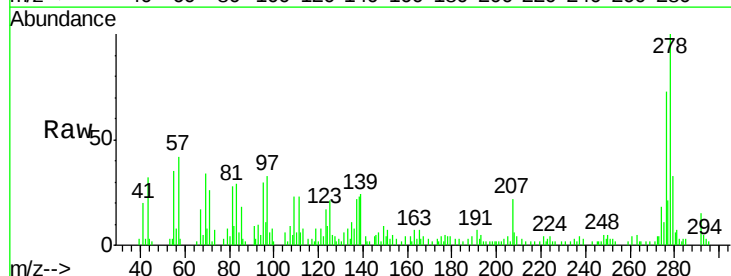
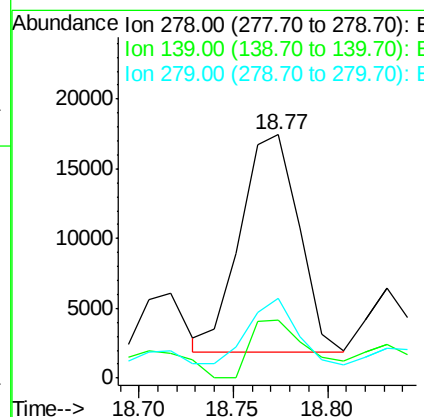
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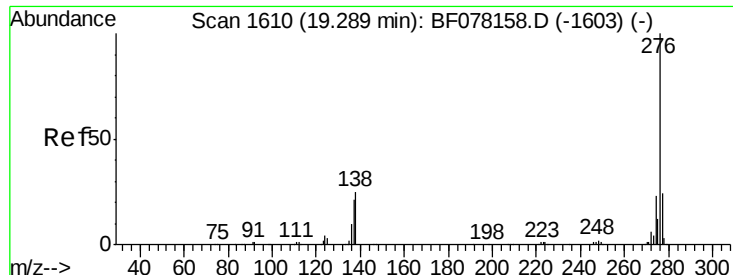
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#90
Dibenzo(a,h)anthracene
Concen: 3.68 ng m
RT: 18.77 min Scan# 1565
Delta R.T. -0.03 min
Lab File: BF078396.D
Acq: 10 Apr 2015 11:08

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	24.0	13.6	20.4
279	32.5	19.0	28.6





#91
 Benzo(a,h,i)perylene
 Concen: 17.37 ng m
 RT: 19.11 min Scan# 1594
 Delta R.T. -0.06 min
 Lab File: BF078396.D
 Acq: 10 Apr 2015 11:08

Instrument :
 BNA_F
 ClientSampleId :
 DBOXDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.4
138	26.7	19.9	29.9

Manual Integrations
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