

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079606.D
 Acq On : 30 May 2015 16:47
 Operator : TP/IZ
 Sample : G2416-28
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IA14.1(2)

Manual Integrations
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Quant Time: May 31 07:10:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 17:35:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	72004	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	293728	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	139937	20.00	ng	-0.03
63) Phenanthrene-d10	12.50	188	257063	20.00	ng	-0.03
75) Chrysene-d12	15.79	240	270600	20.00	ng	-0.05
86) Perylene-d12	17.55	264	268798	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	515272	124.12	ng	-0.02
7) Phenol-d6	6.54	99	675209	127.61	ng	-0.02
23) Nitrobenzene-d5	7.63	82	377337	74.26	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	178598	116.20	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	695910	70.95	ng	-0.02
78) Terphenyl-d14	14.50	244	697038	60.45	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.54	128	52834	3.75	ng	98
37) 2-Methylnaphthalene	9.39	142	36736	3.75	ng	97
49) Dimethylphthalate	10.38	163	87737	8.51	ng	99
70) Phenanthrene	12.54	178	77448	5.49	ng	100
74) Fluoranthene	14.01	202	99718	6.59	ng	98
77) Pyrene	14.29	202	87725	5.23	ng	97
80) Benzo(a)anthracene	15.78	228	51336	3.30	ng	94
82) Chrysene	15.83	228	54331m	3.67	ng	
83) Bis(2-ethylhexyl)phthalate	15.86	149	25141	2.33	ng	# 95
87) Benzo(b)fluoranthene	17.11	252	77453m	5.05	ng	

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

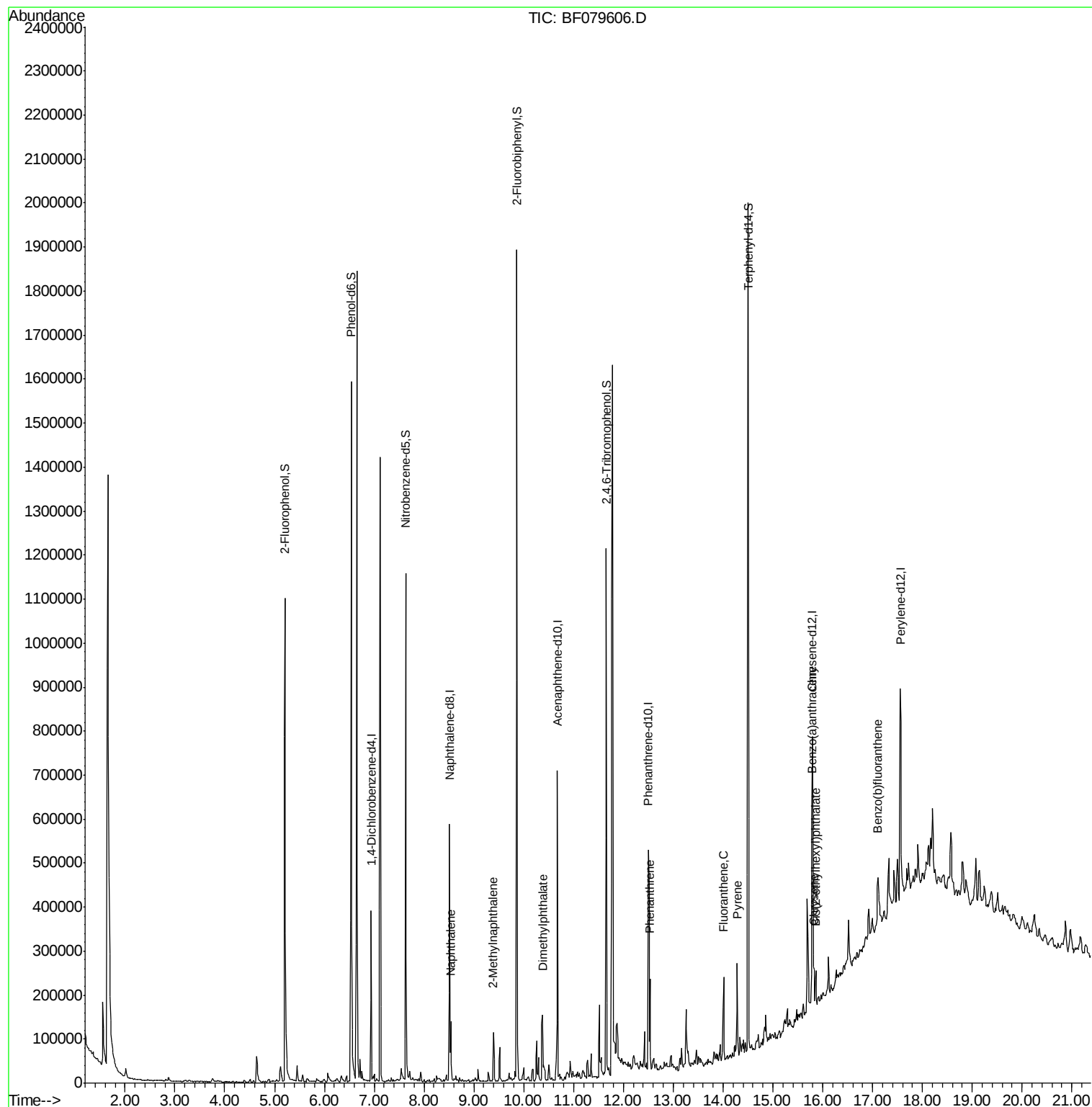
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
Data File : BF079606.D
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#1

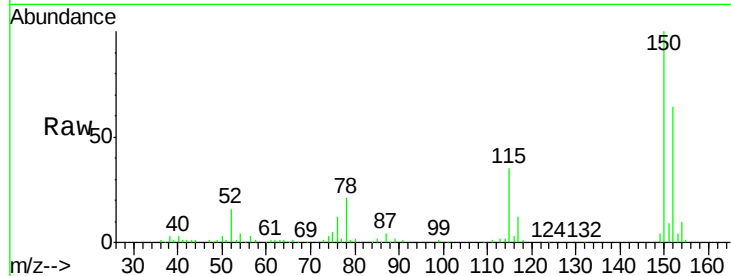
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 503
Delta R.T. -0.02 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Instrument :
BNA_F
ClientSampleId :
IA14.1(2)

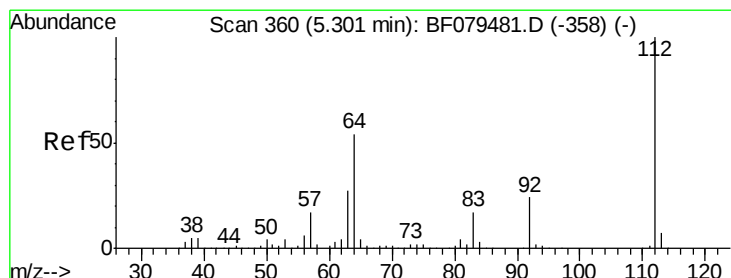
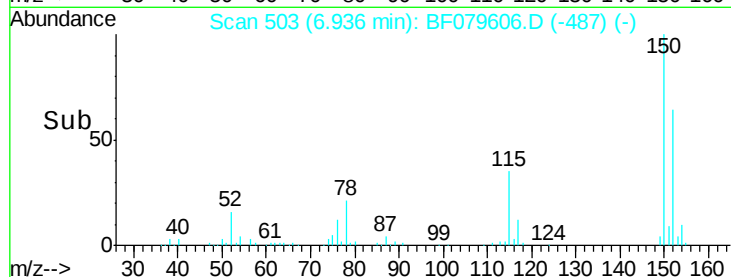
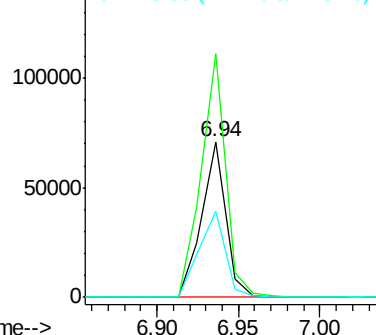
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.0	186.0
115	54.9	49.6	74.4

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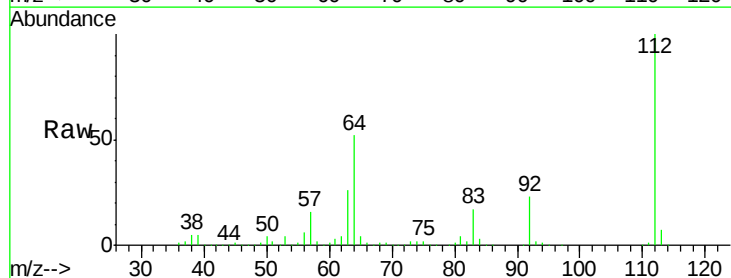
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



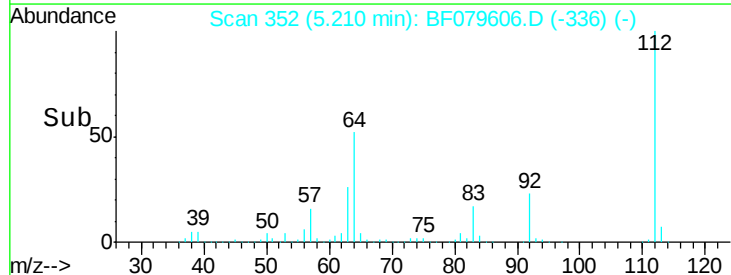
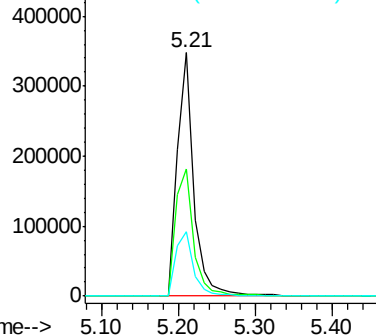
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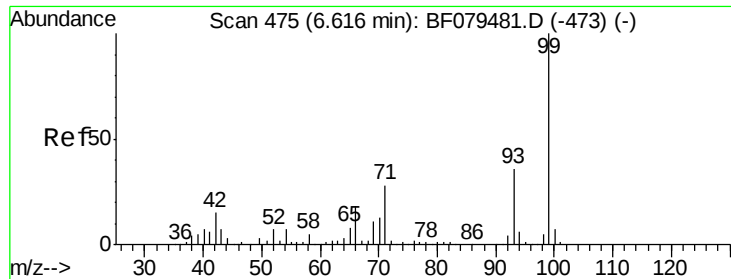
2-Fluorophenol
Concen: 124.12 ng
RT: 5.21 min Scan# 352
Delta R.T. -0.02 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	43.5	65.3
63	26.4	21.8	32.8



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: 127.61 ng

RT: 6.54 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

Instrument :

BNA_F

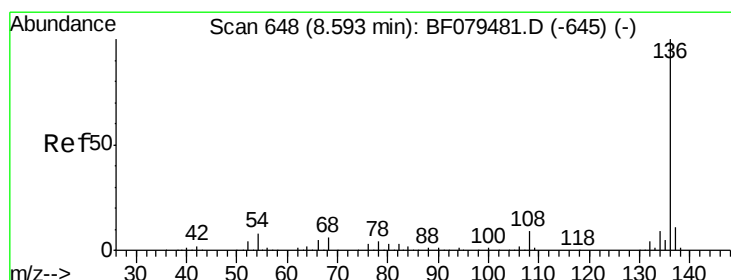
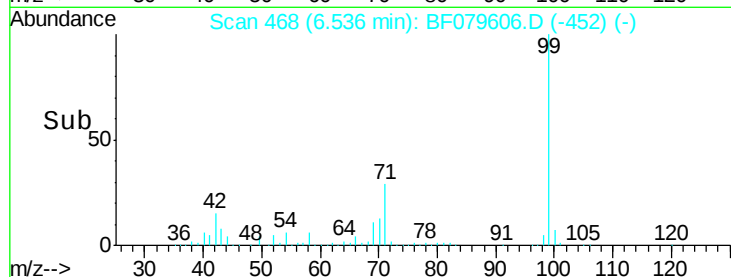
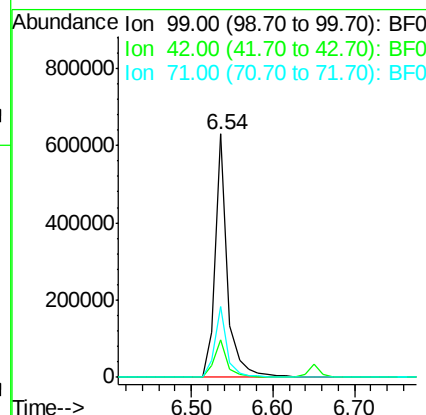
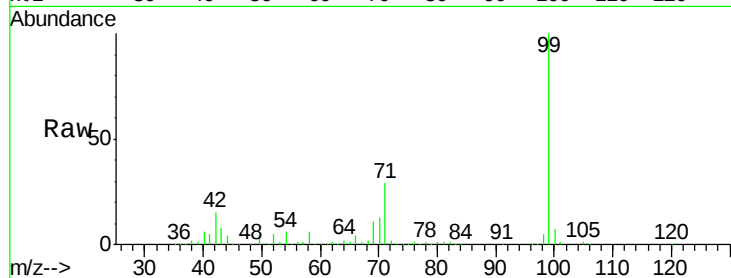
ClientSampleId :

IA14.1(2)

Tgt Ion:	99	Resp:	675209
Ion Ratio	Lower	Upper	
99	100		
42	15.5	11.9	17.9
71	29.1	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

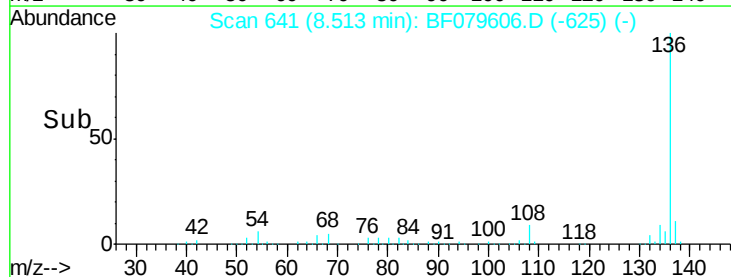
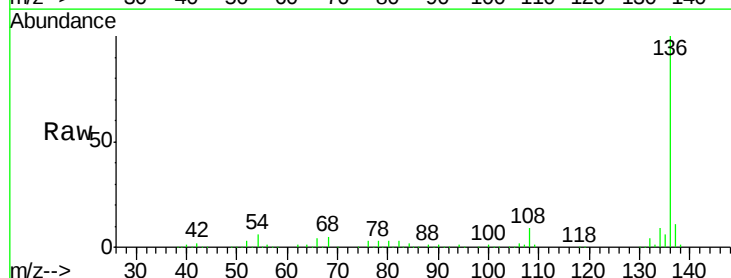
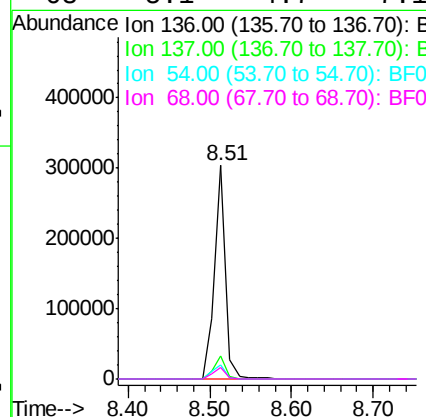
RT: 8.51 min Scan# 641

Delta R.T. -0.02 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

Tgt Ion:	136	Resp:	293728
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	6.5	6.6	9.8
68	5.1	4.7	7.1





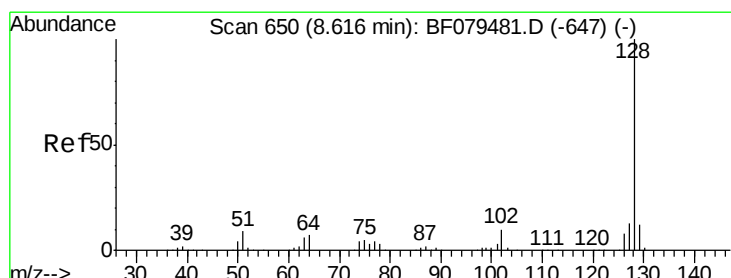
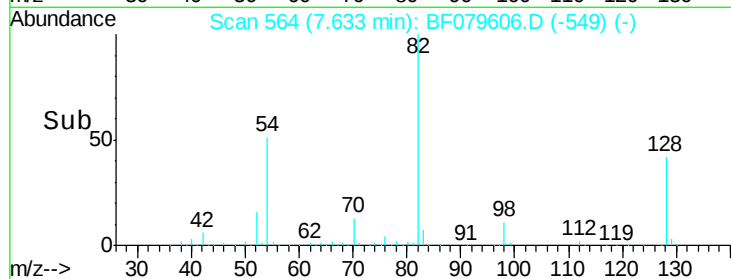
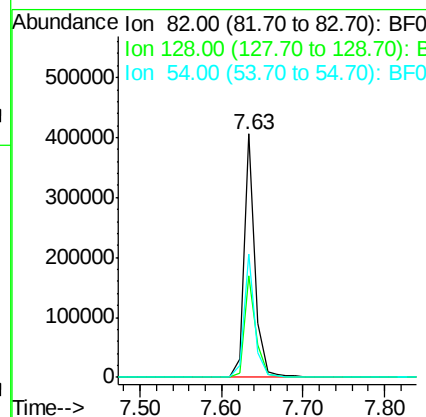
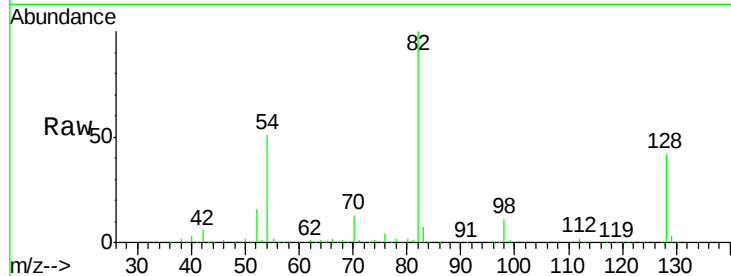
#23
 Nitrobenzene-d5
 Concen: 74.26 ng
 RT: 7.63 min Scan# 564
 Delta R.T. -0.03 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

Instrument :
 BNA_F
 ClientSampleId :
 IA14.1(2)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	377337		
128	41.9	30.8	46.2	
54	50.7	42.8	64.2	

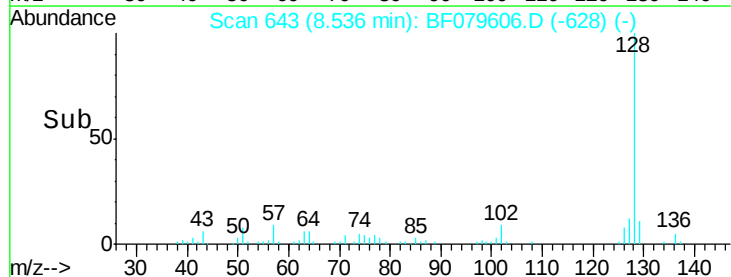
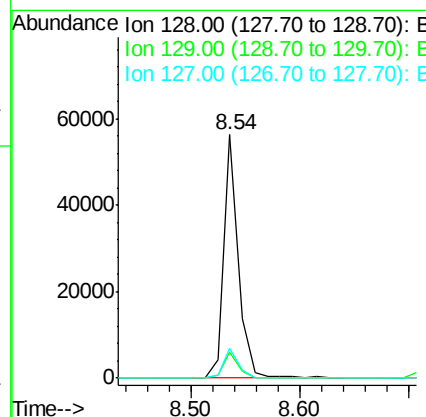
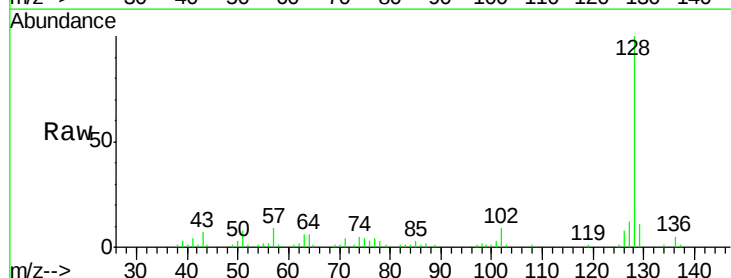
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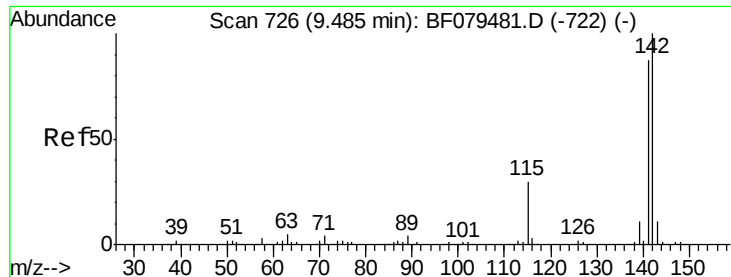
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#31
 Naphthalene
 Concen: 3.75 ng
 RT: 8.54 min Scan# 643
 Delta R.T. -0.03 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	52834		
129	10.6	9.3	13.9	
127	12.3	10.6	15.8	





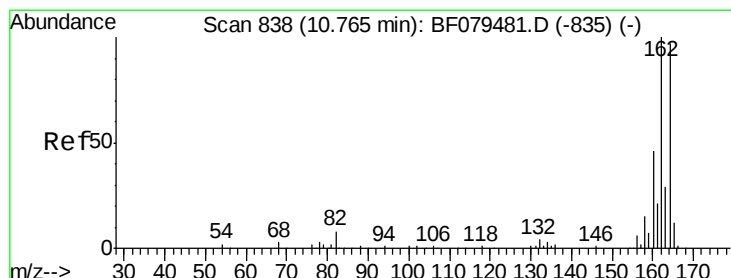
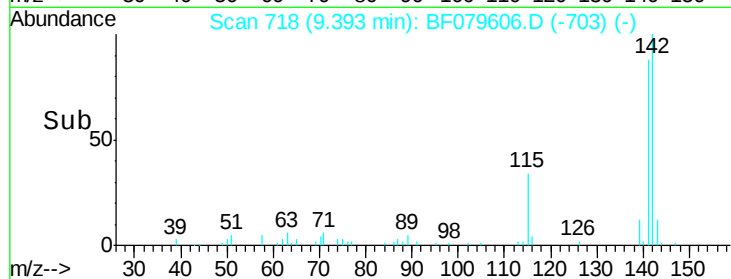
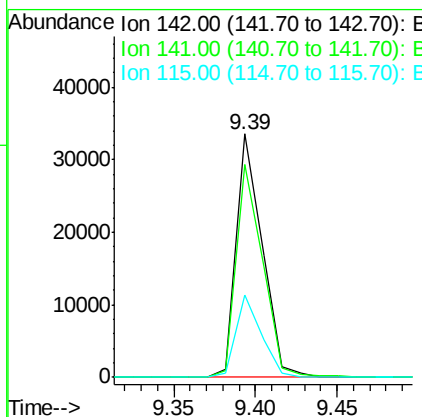
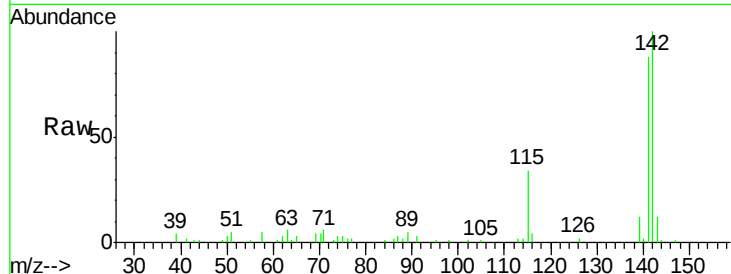
#37
 2-Methylnaphthalene
 Concen: 3.75 ng
 RT: 9.39 min Scan# 718
 Delta R.T. -0.03 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

Instrument :
 BNA_F
 ClientSampleId :
 IA14.1(2)

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.5	104.3
115	34.0	23.8	35.6

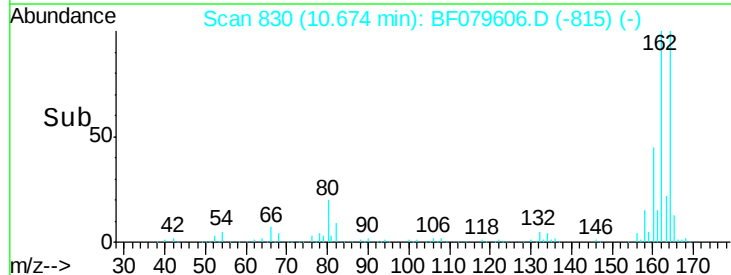
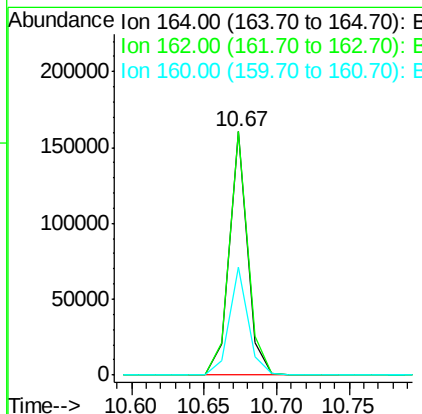
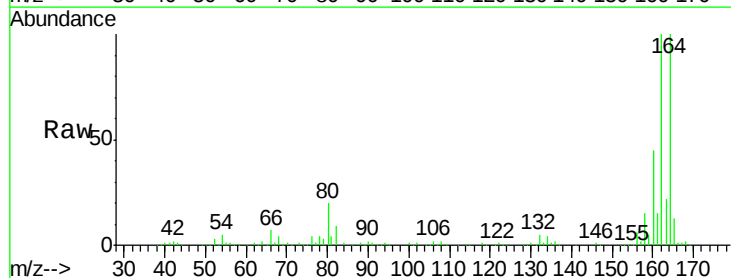
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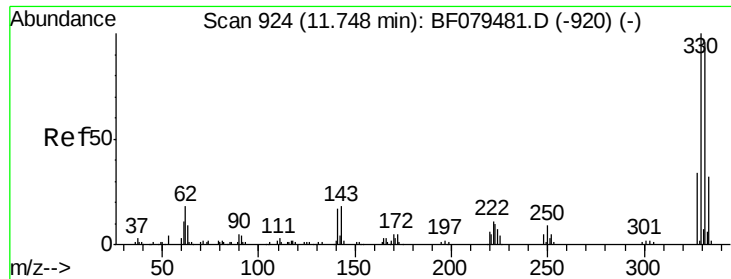
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.6	124.0
160	44.6	37.7	56.5





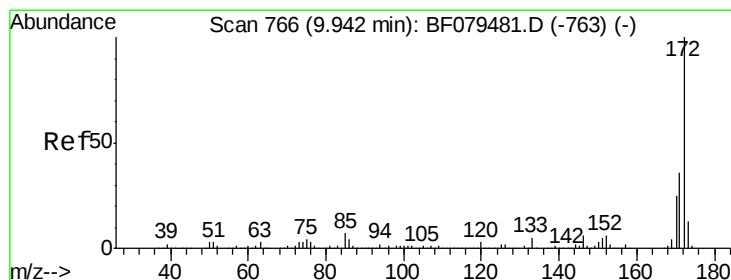
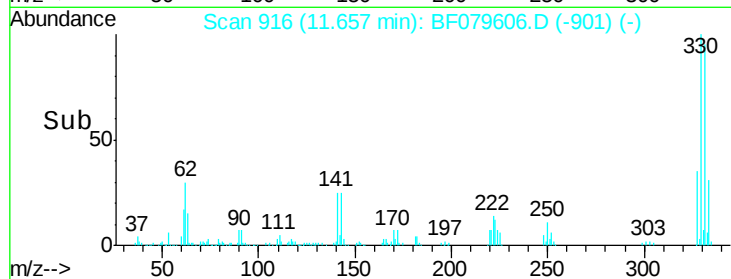
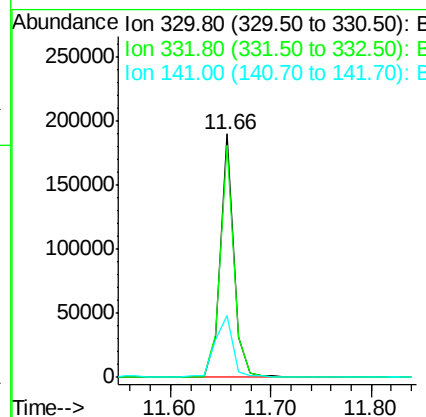
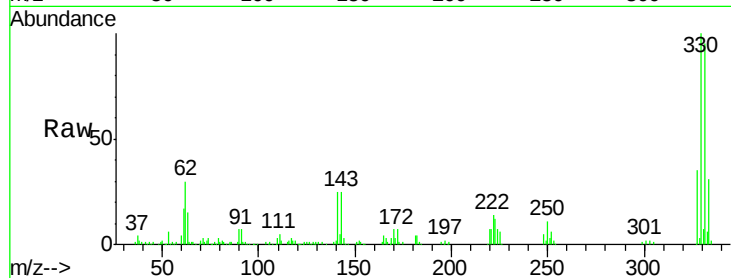
#41
 2,4,6-Tribromophenol
 Concen: 116.20 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

Instrument :
 BNA_F
 ClientSampled :
 IA14.1(2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.5	0.0	0.0#
141	34.3	0.0	0.0#

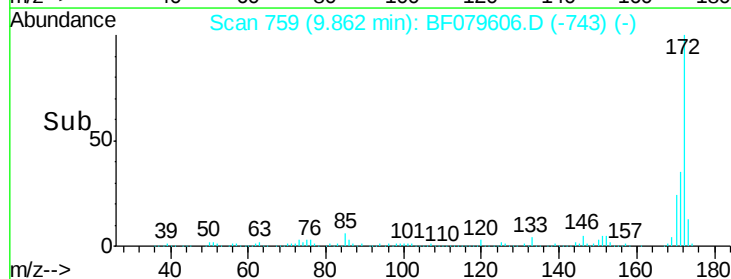
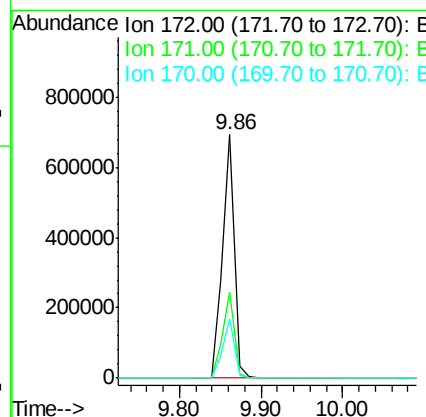
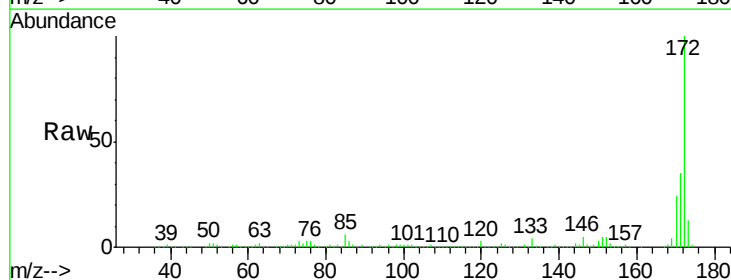
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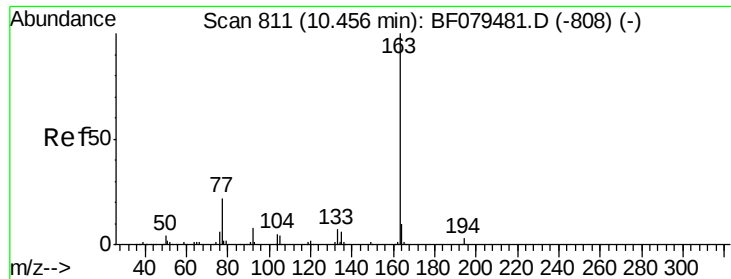
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#44
 2-Fluorobiphenyl
 Concen: 70.95 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079606.D
 Acq: 30 May 2015 16:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.4	28.5	42.7
170	24.1	19.7	29.5





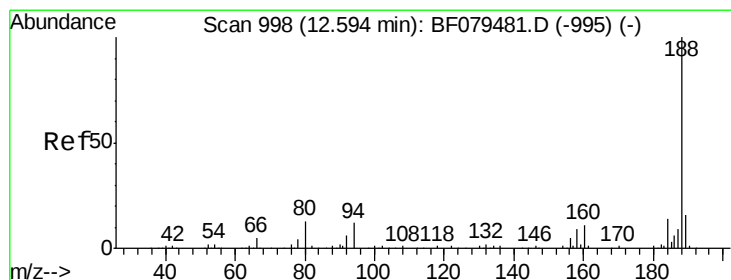
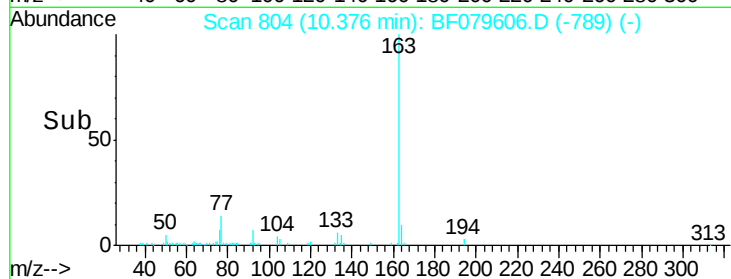
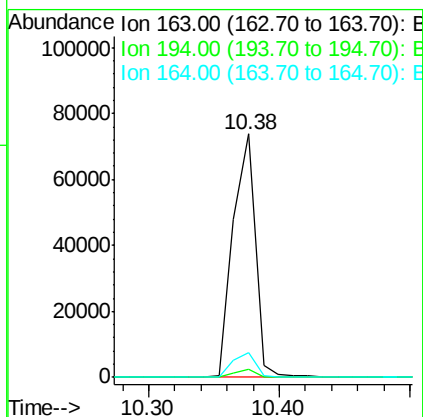
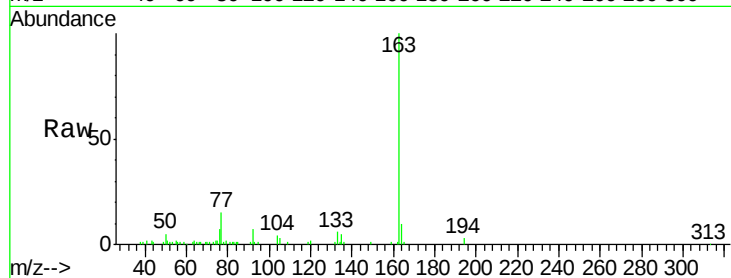
#49
Dimethylphthalate
Concen: 8.51 ng
RT: 10.38 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Instrument :
BNA_F
ClientSampleId :
IA14.1(2)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	87737		
194	3.4		2.4	3.6
164	10.2		8.2	12.4

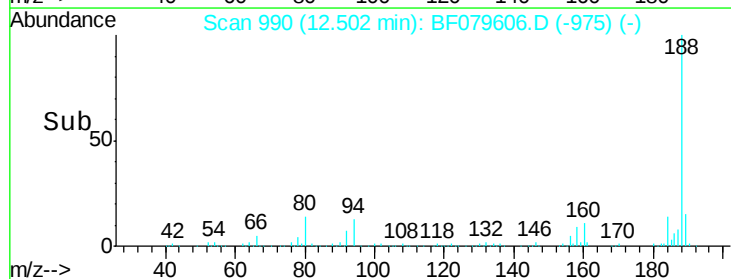
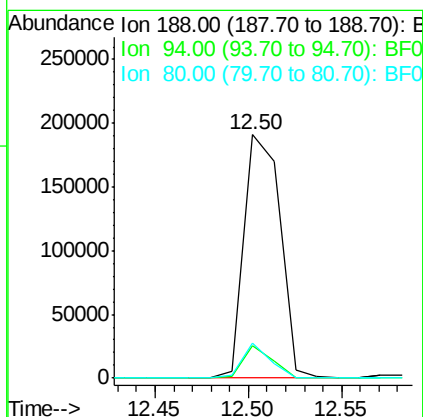
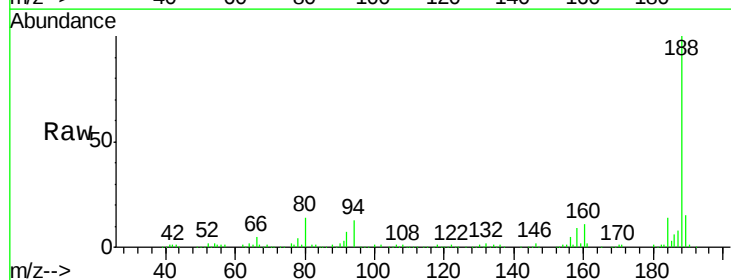
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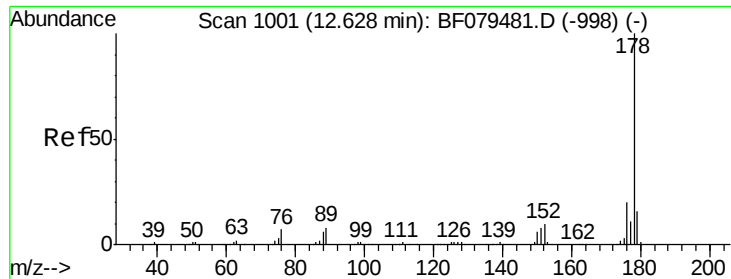
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.50 min Scan# 990
Delta R.T. -0.03 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	257063		
94	13.3		9.8	14.6
80	14.2		10.5	15.7





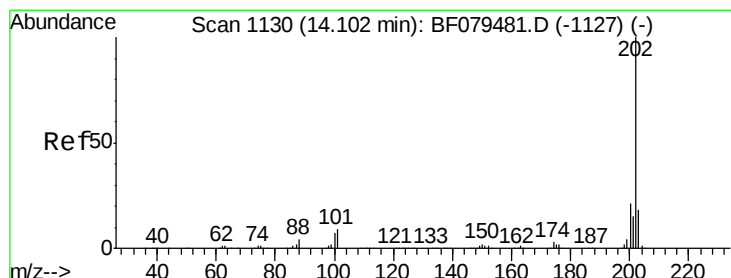
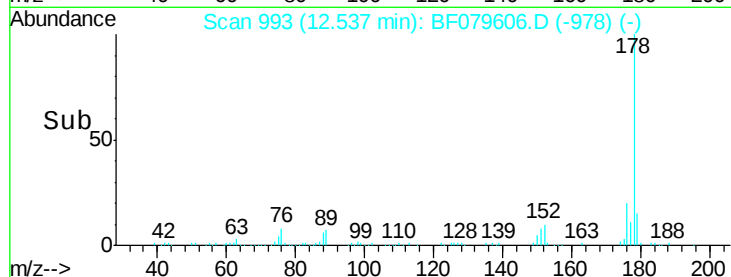
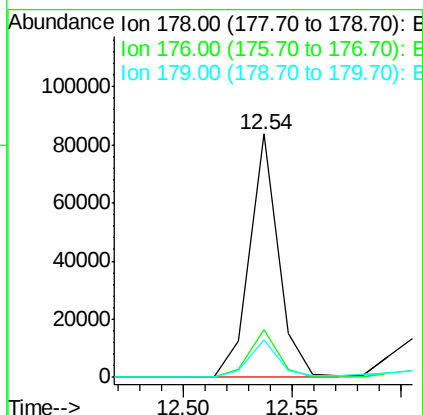
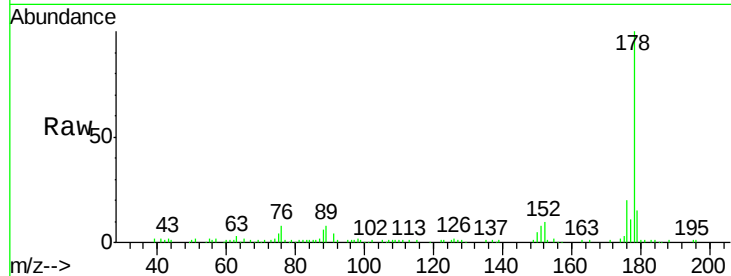
#70
Phenanthrene
Concen: 5.49 ng
RT: 12.54 min Scan# 993
Delta R.T. -0.03 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Instrument :
BNA_F
ClientSampleId :
IA14.1(2)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.4	12.4	18.6

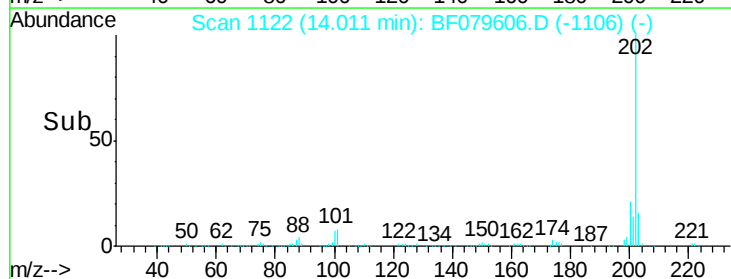
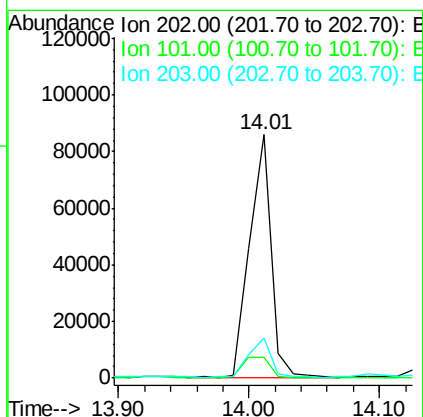
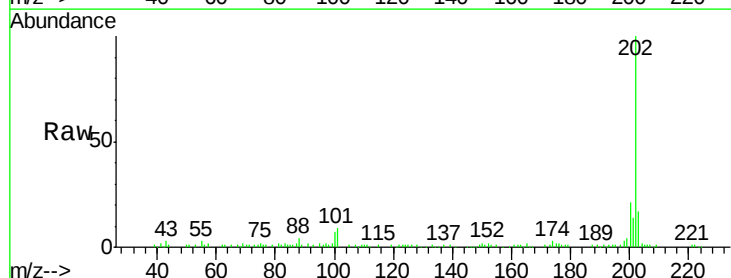
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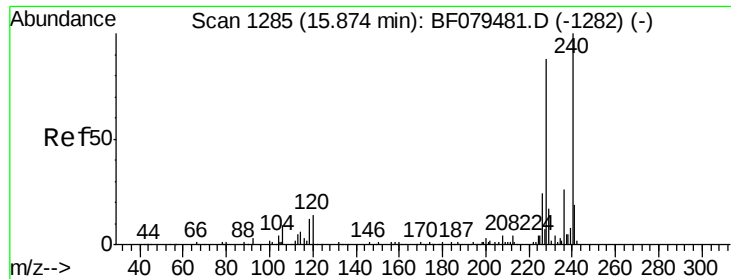
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#74
Fluoranthene
Concen: 6.59 ng
RT: 14.01 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	29.3
203	16.6	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.79 min Scan# 1278

Delta R.T. -0.05 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

Instrument :

BNA_F

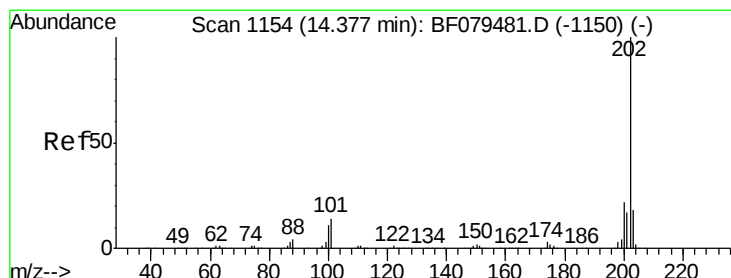
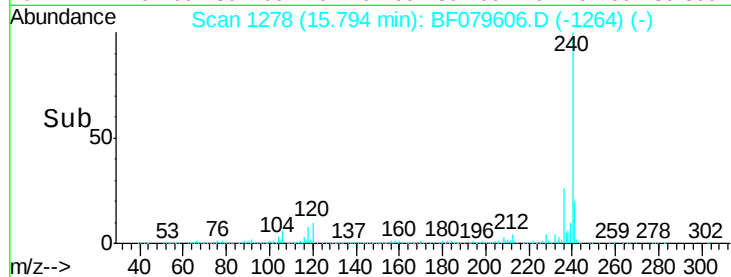
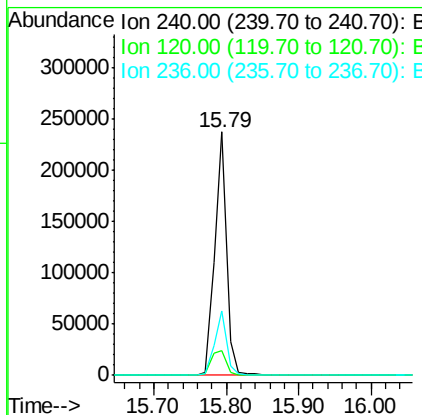
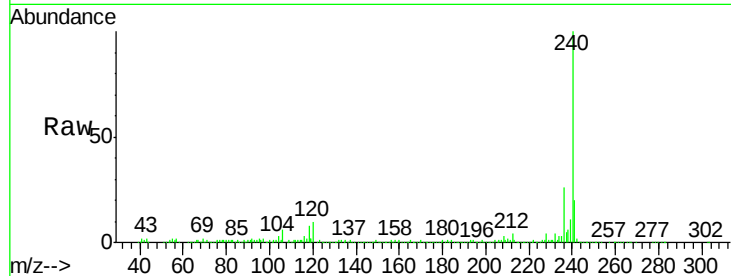
ClientSampleId :

IA14.1(2)

Tgt Ion:	240	Resp:	270600
Ion Ratio		Lower	Upper
240	100		
120	10.0	10.8	16.2#
236	26.3	21.0	31.6

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#77

Pyrene

Concen: 5.23 ng

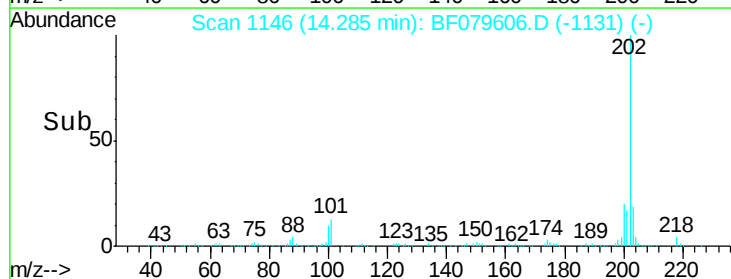
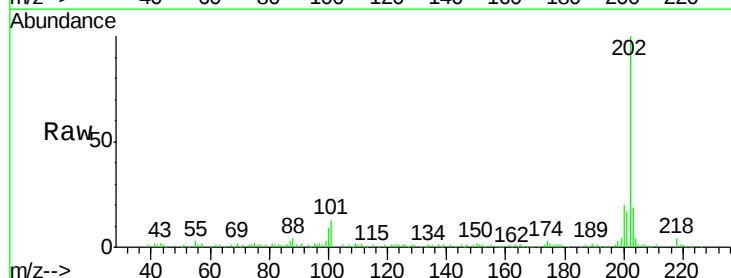
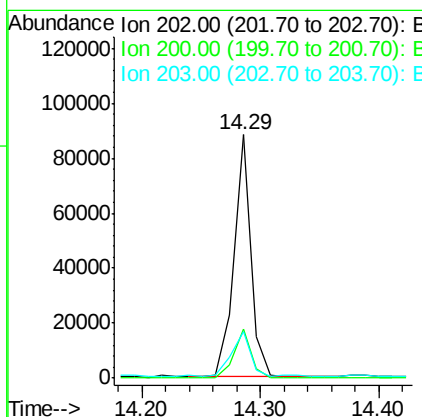
RT: 14.29 min Scan# 1146

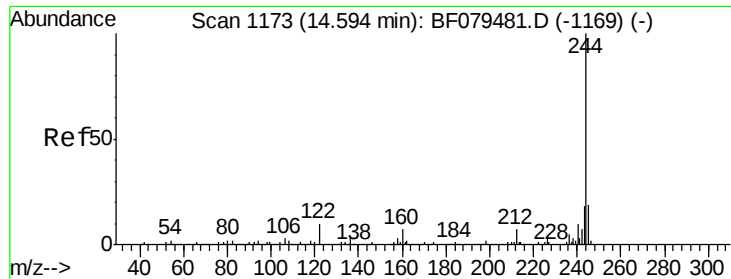
Delta R.T. -0.03 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

Tgt Ion:	202	Resp:	87725
Ion Ratio		Lower	Upper
202	100		
200	20.3	17.5	26.3
203	19.0	14.4	21.6





#78

Terphenyl-d14

Concen: 60.45 ng

RT: 14.50 min Scan# 1165

Delta R.T. -0.03 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

Instrument :

BNA_F

ClientSampleId :

IA14.1(2)

Tgt Ion:244 Resp: 697038

Ion Ratio Lower Upper

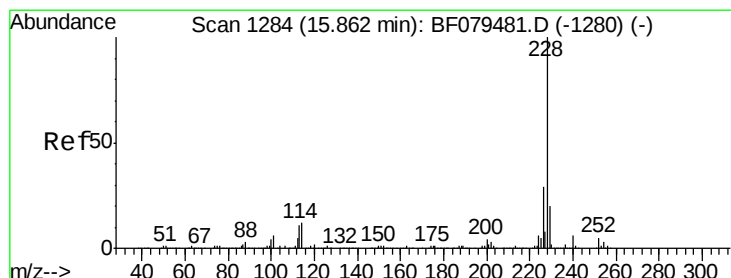
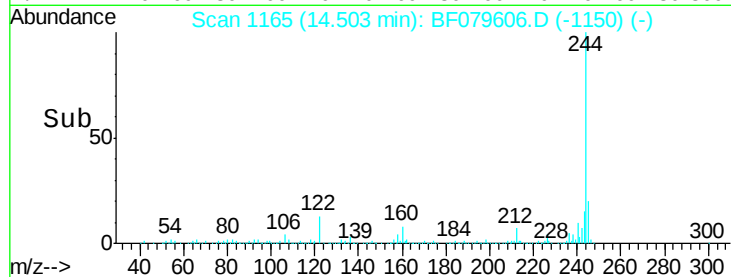
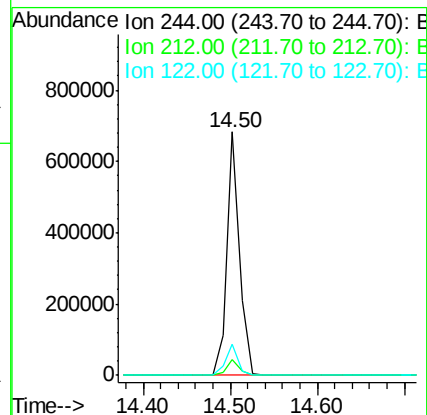
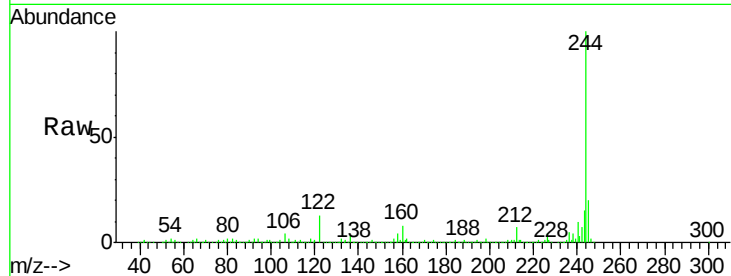
244 100

212 6.7 5.2 7.8

122 12.9 8.0 12.0#

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#80

Benzo(a)anthracene

Concen: 3.30 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.05 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

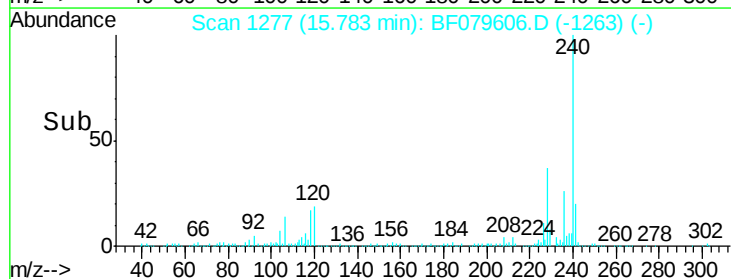
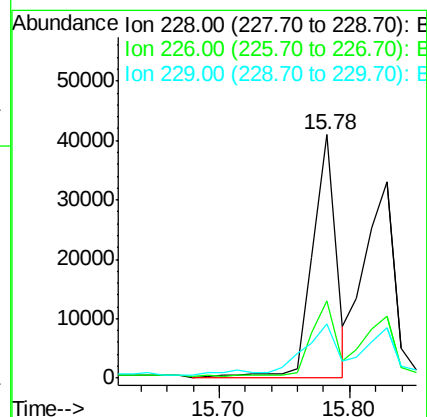
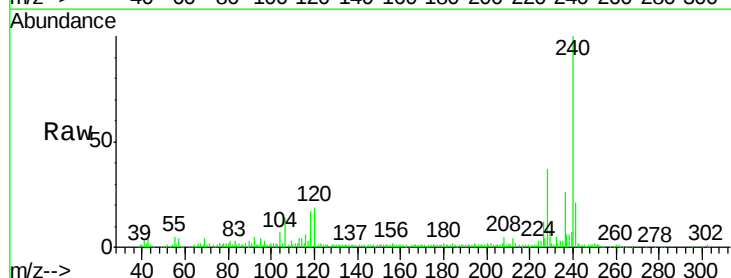
Tgt Ion:228 Resp: 51336

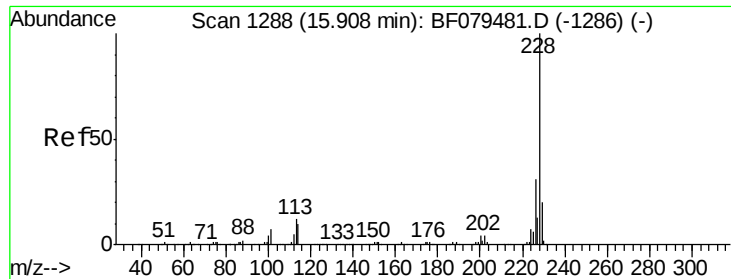
Ion Ratio Lower Upper

228 100

226 31.8 22.8 34.2

229 22.0 15.9 23.9





#82

Chrysene

Concen: 3.67 ng m

RT: 15.83 min Scan# 1281

Delta R.T. -0.05 min

Lab File: BF079606.D

Acq: 30 May 2015 16:47

Instrument :

BNA_F

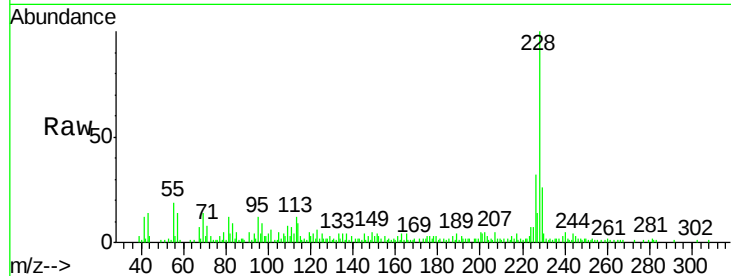
ClientSampled :

IA14.1(2)

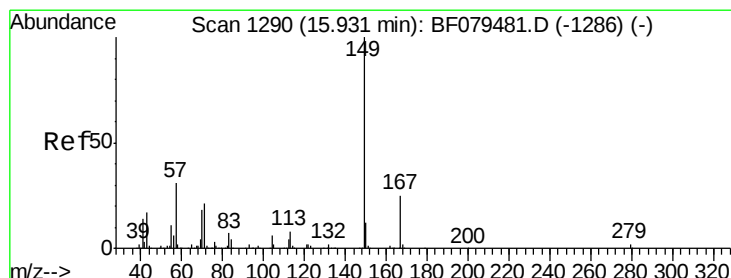
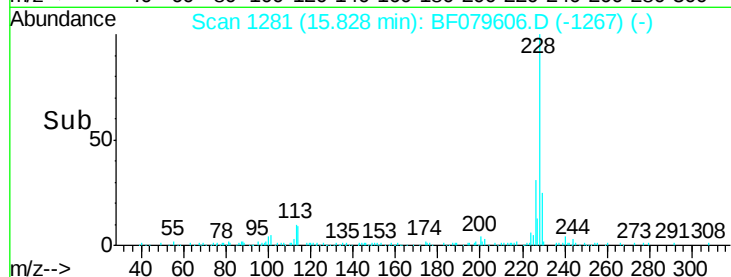
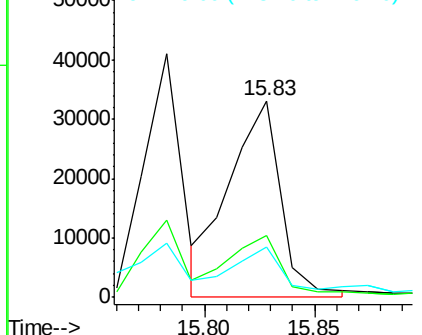
Tgt Ion:	228	Resp:	54331
Ion Ratio	Lower	Upper	
228	100		
226	31.7	25.0	37.4
229	25.9	15.9	23.9#

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.33 ng

RT: 15.86 min Scan# 1284

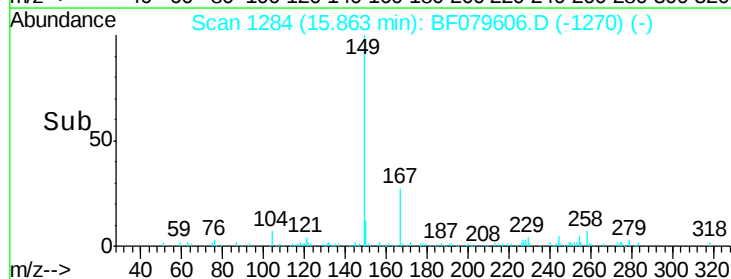
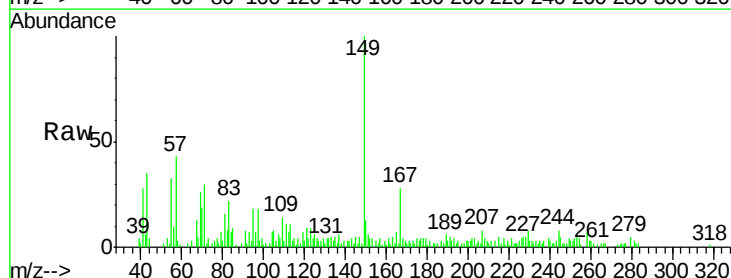
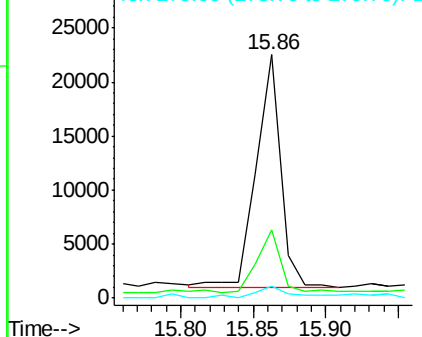
Delta R.T. -0.05 min

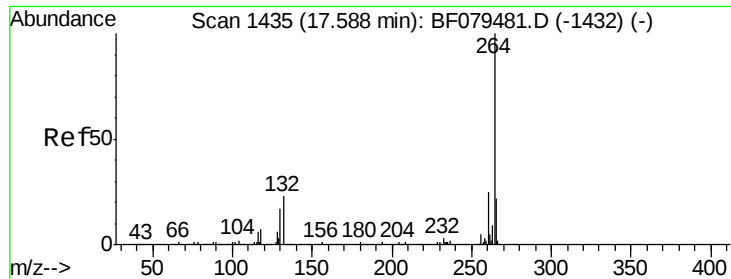
Lab File: BF079606.D

Acq: 30 May 2015 16:47

Tgt Ion:	149	Resp:	25141
Ion Ratio	Lower	Upper	
149	100		
167	27.9	20.2	30.4
279	4.7	2.0	3.0#

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





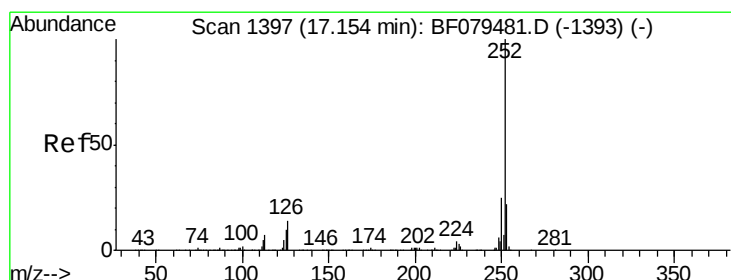
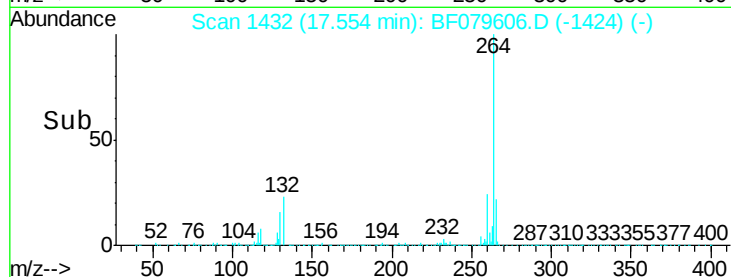
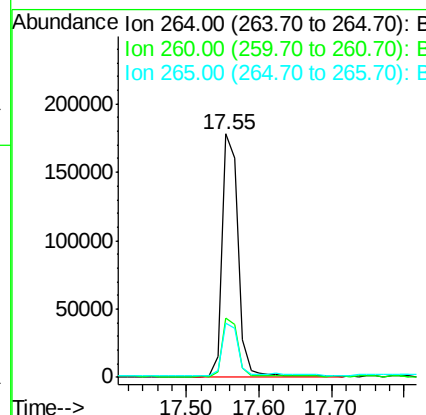
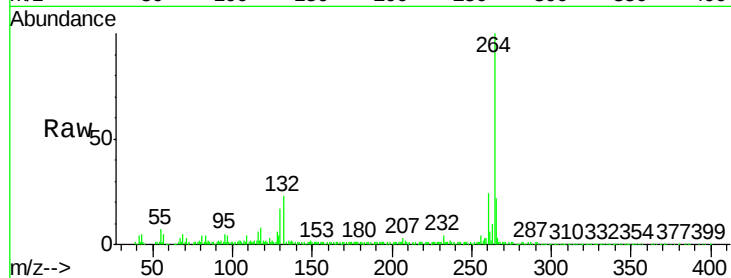
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.55 min Scan# 1432
Delta R.T. -0.11 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Instrument :
BNA_F
ClientSampleId :
IA14.1(2)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	268798		
260	24.2	19.8	29.8	
265	22.3	17.8	26.6	

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#87
Benzo(b)fluoranthene
Concen: 5.05 ng m
RT: 17.11 min Scan# 1393
Delta R.T. -0.09 min
Lab File: BF079606.D
Acq: 30 May 2015 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	77453		
253	24.4	17.6	26.4	
125	14.5	7.8	11.6	

