

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086806.D
 Acq On : 8 May 2016 6:42
 Operator : UM/SJ
 Sample : H2720-01
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3D02

Manual Integrations
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Quant Time: May 09 18:02:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	197317	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	749439	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	327582	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	565247	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	352414	40.00	ng	-0.03
86) Perylene-d12	15.23	264	338605	40.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1499119	125.78	ng	-0.01
7) Phenol-d6	6.37	99	1985293	123.65	ng	0.00
23) Nitrobenzene-d5	7.28	82	1274796	87.41	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	471269	147.06	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1918221	95.99	ng	-0.03
78) Terphenyl-d14	12.81	244	1421909	81.54	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	222604	9.12	ng	99
51) Acenaphthene	9.77	154	112663	5.57	ng	97
54) Dibenzofuran	9.94	168	61816	2.46	ng	# 94
57) Fluorene	10.28	166	109470	5.38	ng	100
70) Phenanthrene	11.24	178	1037003	34.15	ng	100
71) Anthracene	11.29	178	321319	10.11	ng	98
72) Carbazole	11.46	167	117260	4.25	ng	99
74) Fluoranthene	12.43	202	1296309	42.60	ng	92
77) Pyrene	12.65	202	985424	35.07	ng	97
80) Benzo(a)anthracene	13.84	228	620442	31.13	ng	99
82) Chrysene	13.87	228	400232	18.82	ng	96
85) Indeno(1,2,3-cd)pyrene	16.52	276	197379	10.82	ng	# 90
87) Benzo(b)fluoranthene	14.85	252	642822m	31.59	ng	
88) Benzo(k)fluoranthene	14.87	252	129836m	6.77	ng	
89) Benzo(a)pyrene	15.17	252	398775	21.28	ng	97
90) Dibenzo(a,h)anthracene	16.53	278	65706m	3.65	ng	
91) Benzo(g,h,i)perylene	16.91	276	172835	9.14	ng	96

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

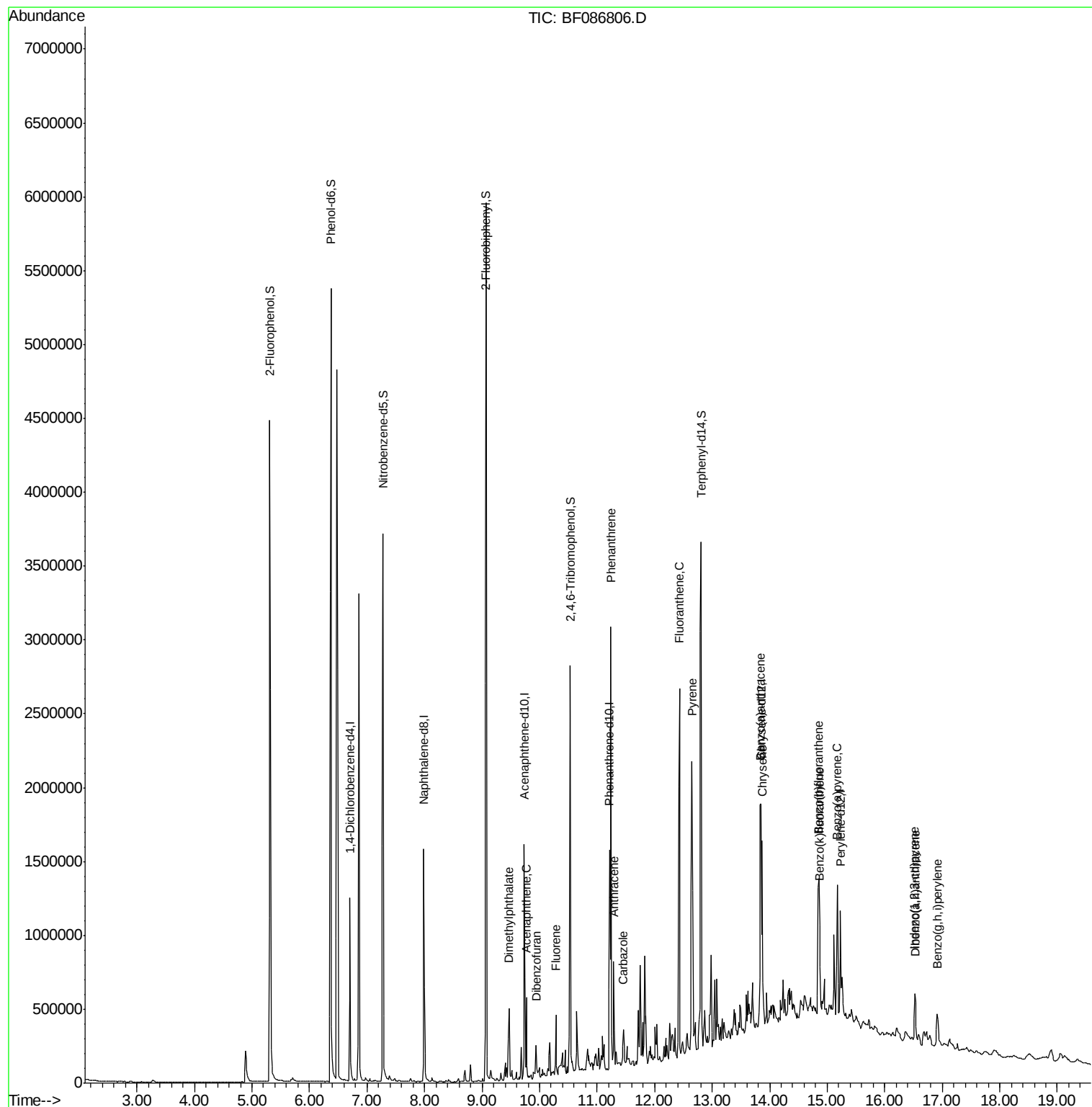
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
Data File : BF086806.D
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ALS Vial : 74 Sample Multiplier: 1

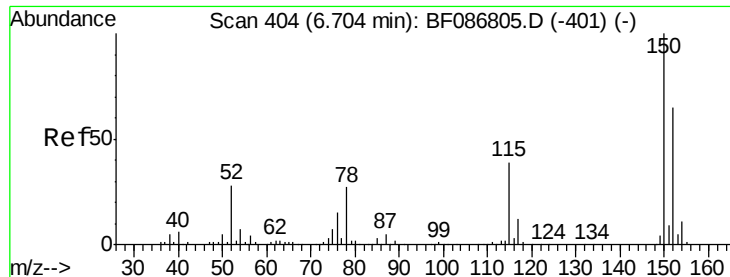
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
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QLast Update : Wed May 04 15:12:53 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF086806.D

Acq: 8 May 2016 6:42

Instrument :

BNA_F

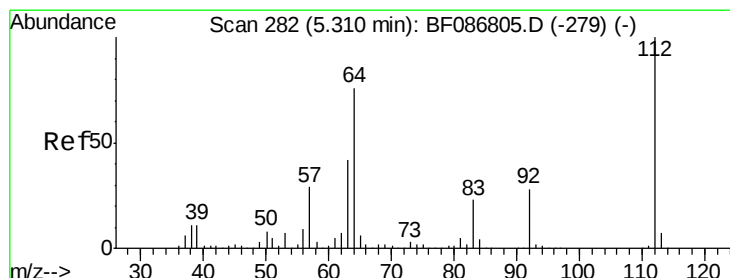
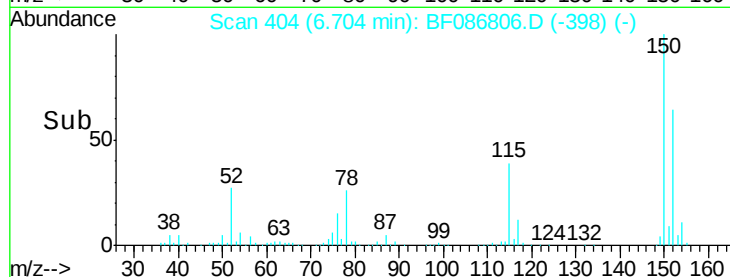
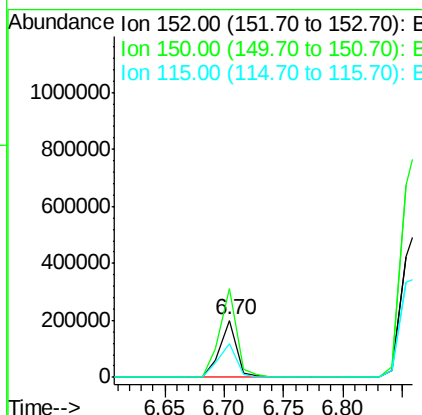
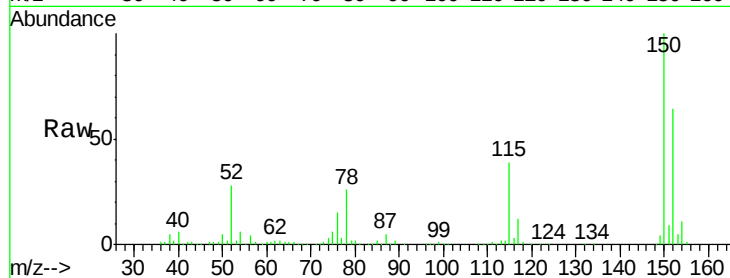
ClientSampleId :

TP-3D02

Tgt Ion:	152	Resp:	197317
Ion Ratio	Lower	Upper	
152	100		
150	155.1	125.8	188.6
115	60.2	51.5	77.3

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#5

2-Fluorophenol

Concen: 125.78 ng

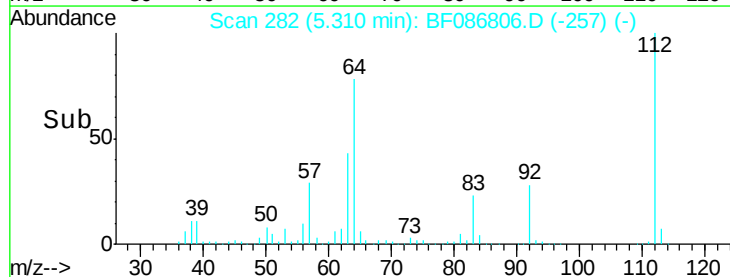
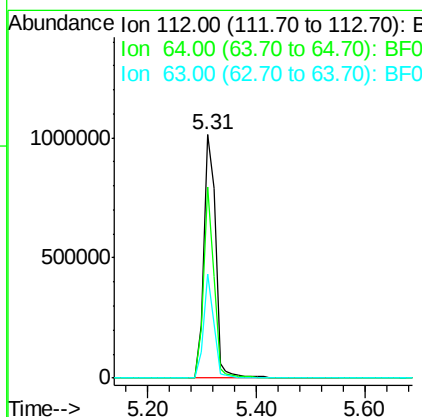
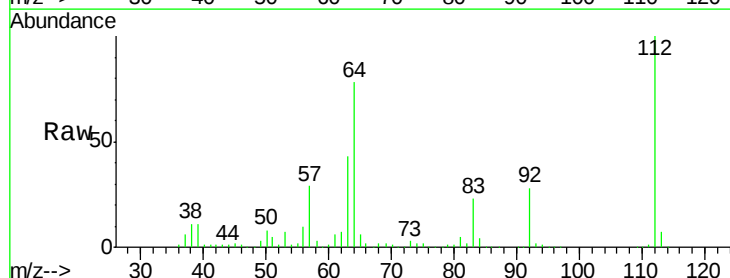
RT: 5.31 min Scan# 282

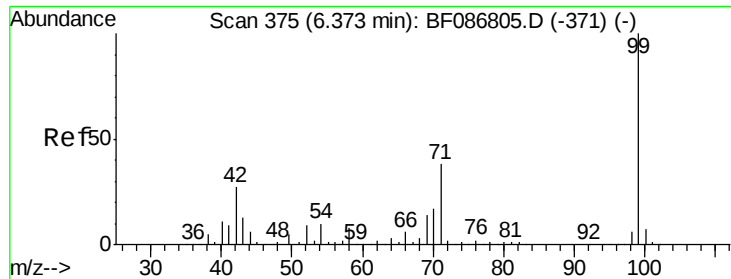
Delta R.T. -0.01 min

Lab File: BF086806.D

Acq: 8 May 2016 6:42

Tgt Ion:	112	Resp:	1499119
Ion Ratio	Lower	Upper	
112	100		
64	78.3	52.1	78.1#
63	42.6	25.7	38.5#





#7

Phenol-d6

Concen: 123.65 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086806.D

Acq: 8 May 2016 6:42

Instrument :

BNA_F

ClientSampleId :

TP-3D02

Tgt Ion: 99 Resp: 1985293

Ion Ratio Lower Upper

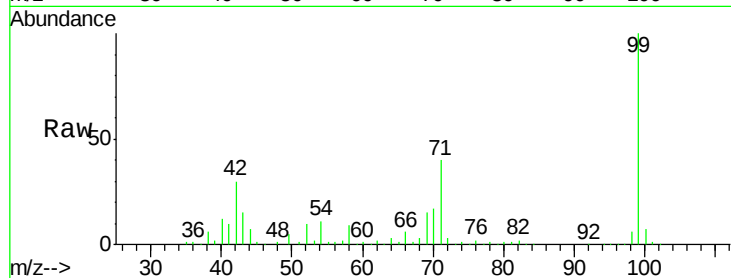
99 100

42 30.2 13.6 20.4#

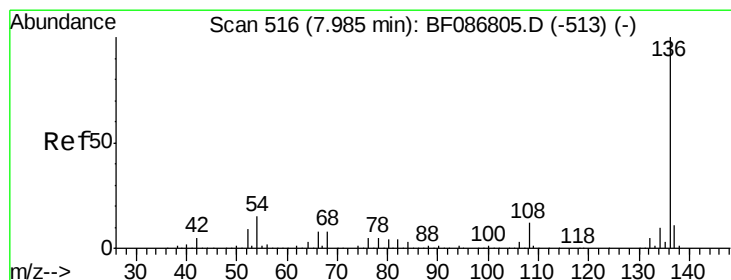
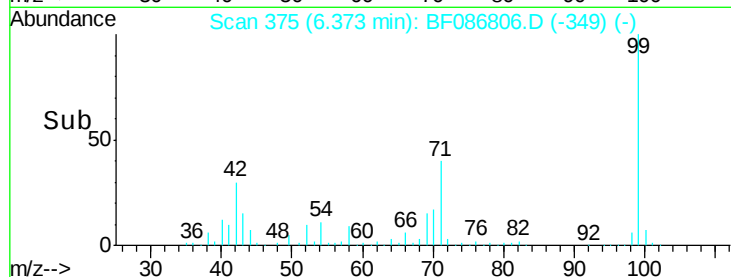
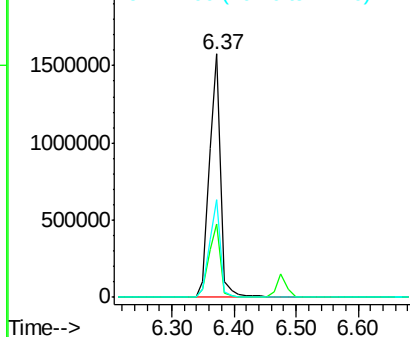
71 40.0 24.6 36.8#

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF086806.D

Acq: 8 May 2016 6:42

Tgt Ion: 136 Resp: 749439

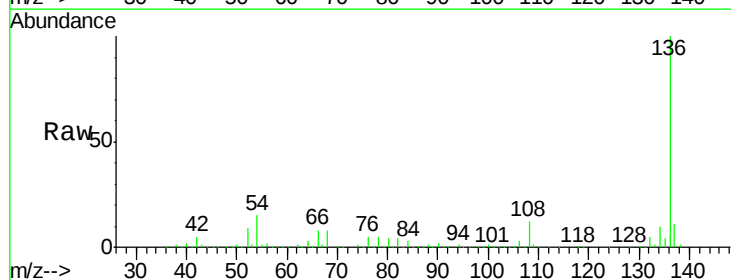
Ion Ratio Lower Upper

136 100

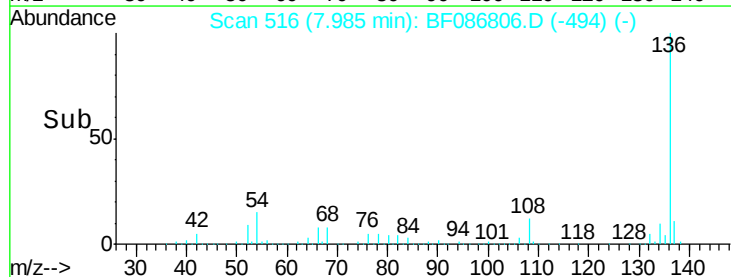
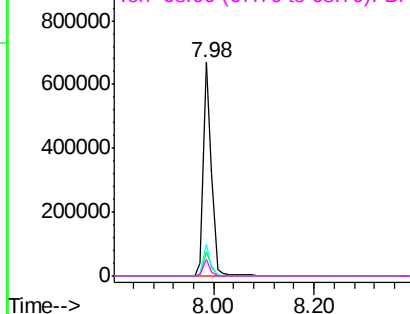
137 11.3 8.8 13.2

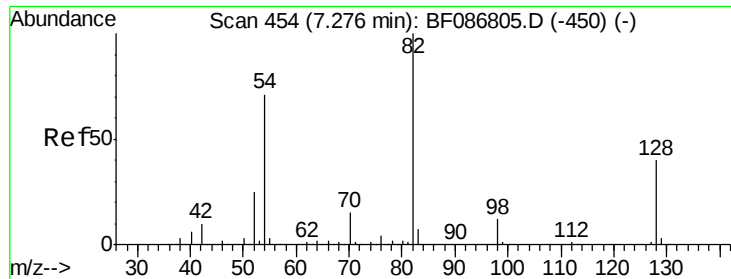
54 14.8 5.0 7.4#

68 8.0 4.4 6.6#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 87.41 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF086806.D

Acq: 8 May 2016 6:42

Instrument :

BNA_F

ClientSampleId :

TP-3D02

Tgt Ion: 82 Resp: 1274796

Ion Ratio Lower Upper

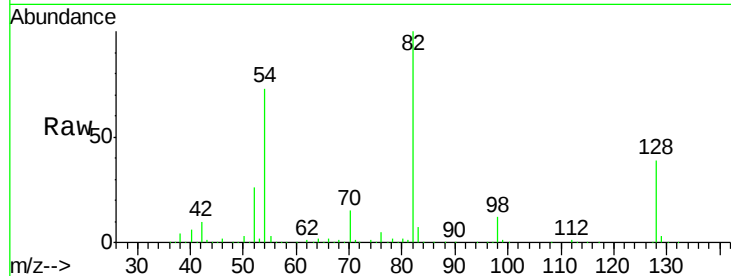
82 100

128 38.9 40.6 61.0#

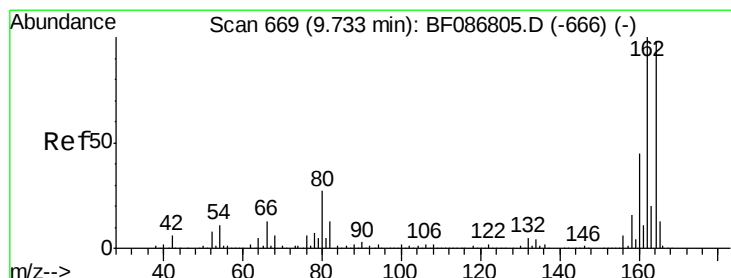
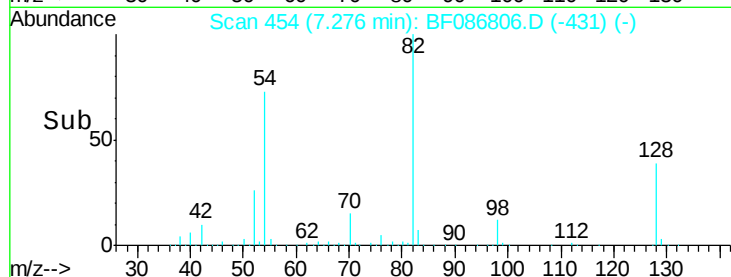
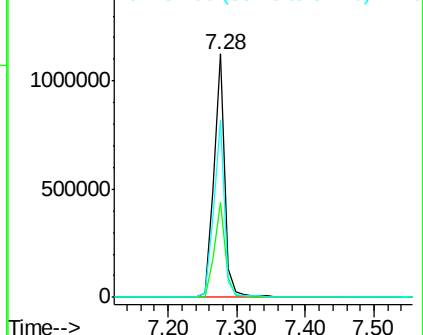
54 72.8 38.1 57.1#

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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: 40.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.05 min

Lab File: BF086806.D

Acq: 8 May 2016 6:42

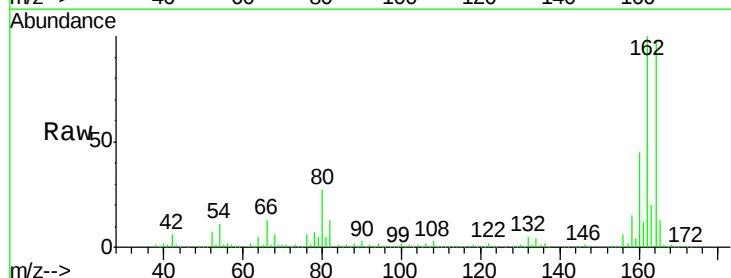
Tgt Ion: 164 Resp: 327582

Ion Ratio Lower Upper

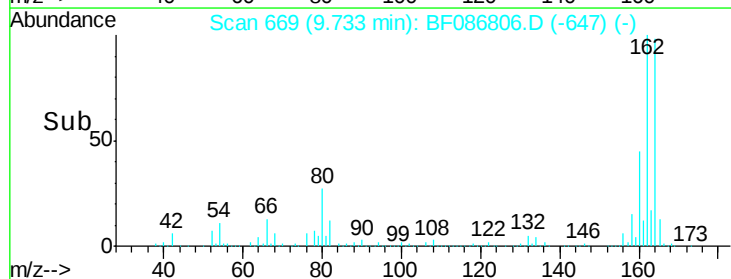
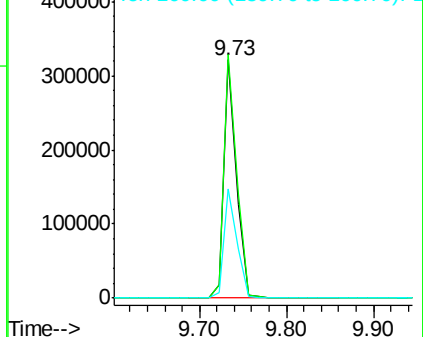
164 100

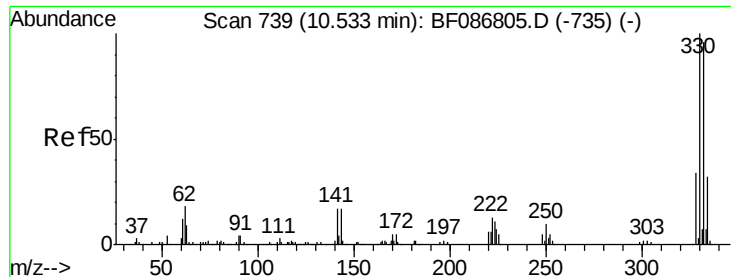
162 102.2 82.8 124.2

160 46.1 36.9 55.3



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





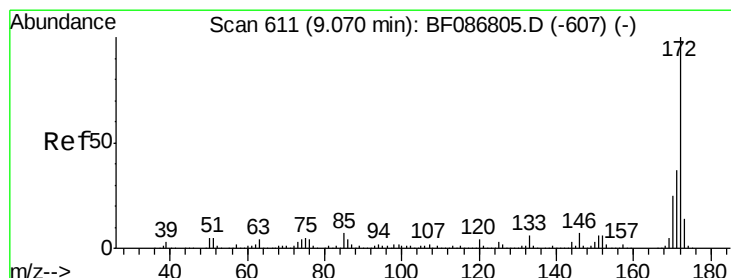
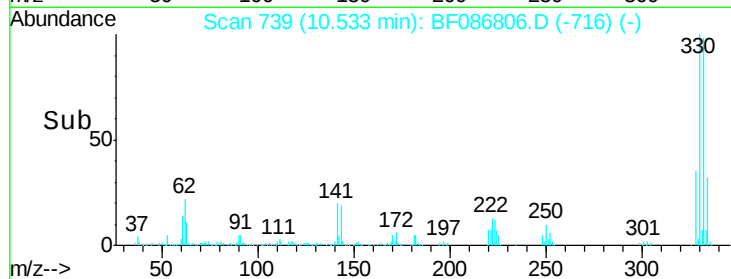
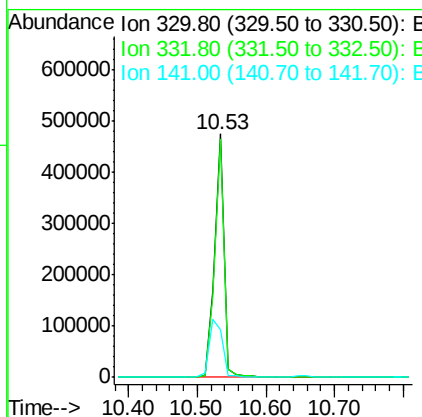
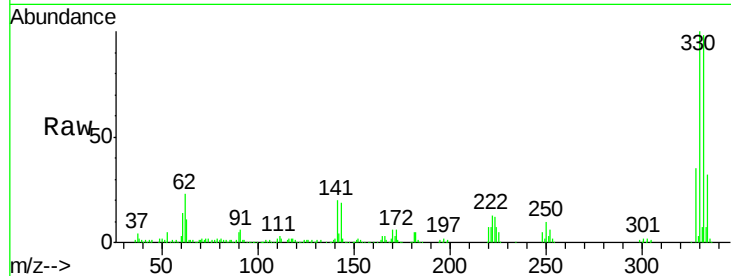
#41
 2,4,6-Tribromophenol
 Concen: 147.06 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086806.D
 Acq: 8 May 2016 6:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-3D02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	471269		
332	97.0	79.0	118.4	
141	33.4	31.2	46.8	

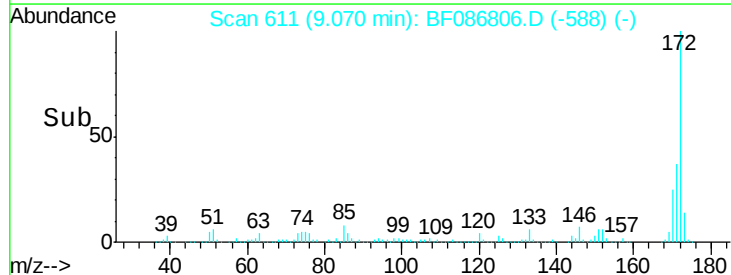
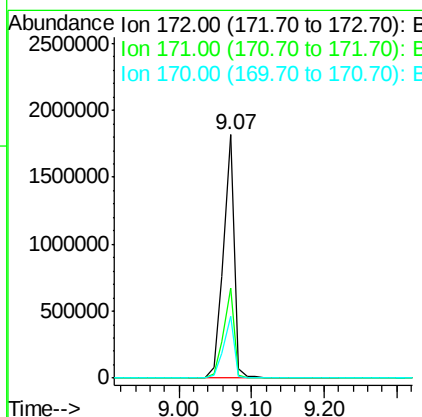
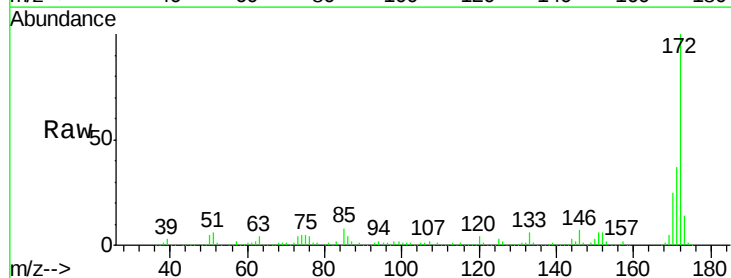
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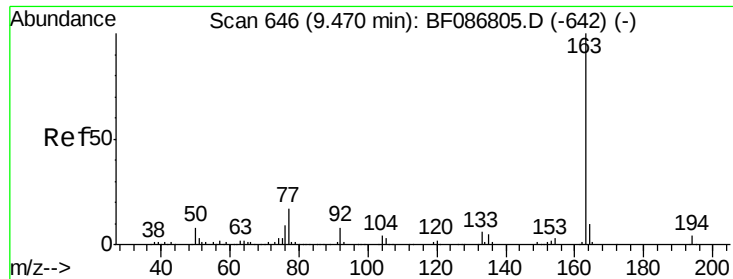
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#44
 2-Fluorobiphenyl
 Concen: 95.99 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086806.D
 Acq: 8 May 2016 6:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1918221		
171	36.7	29.0	43.6	
170	25.2	19.8	29.8	





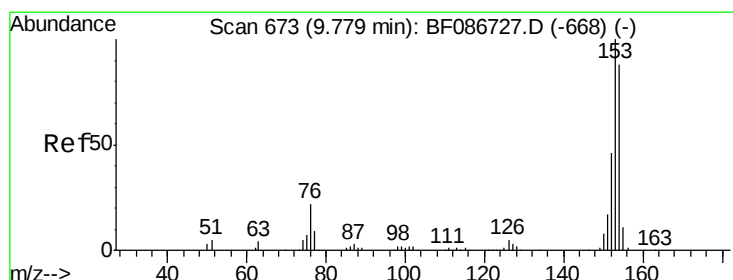
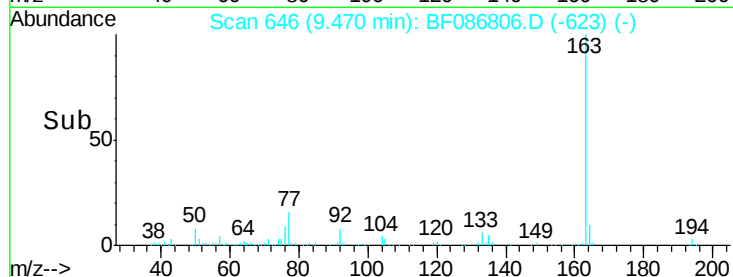
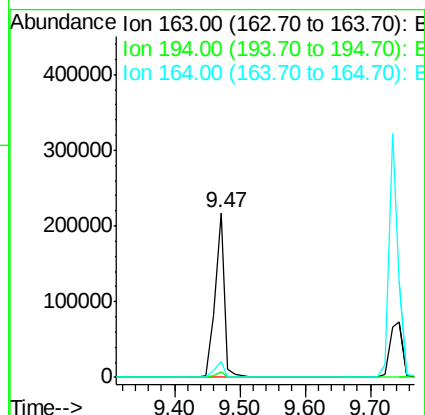
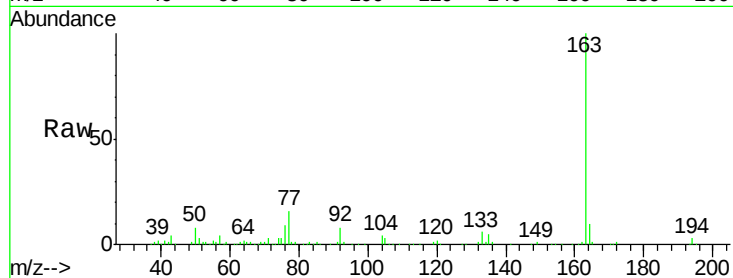
#49
Dimethylphthalate
Concen: 9.12 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Instrument :
BNA_F
ClientSampleId :
TP-3D02

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.4	2.6	4.0
164	9.7	8.2	12.4

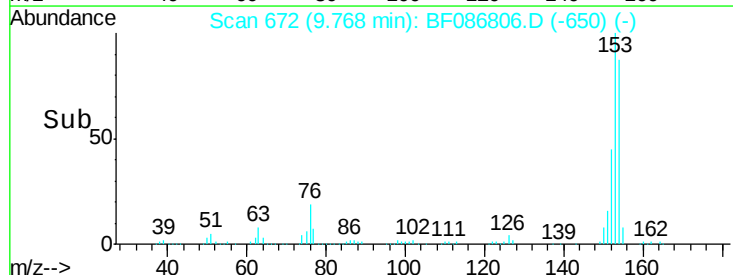
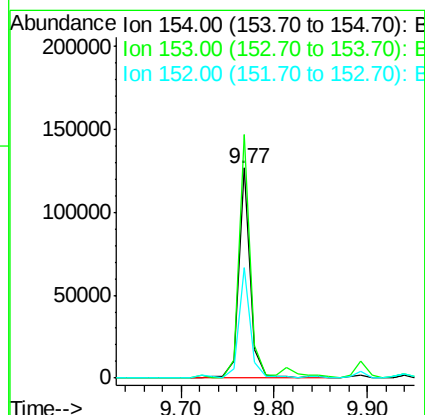
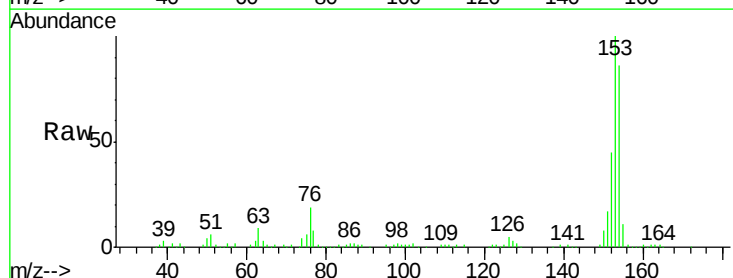
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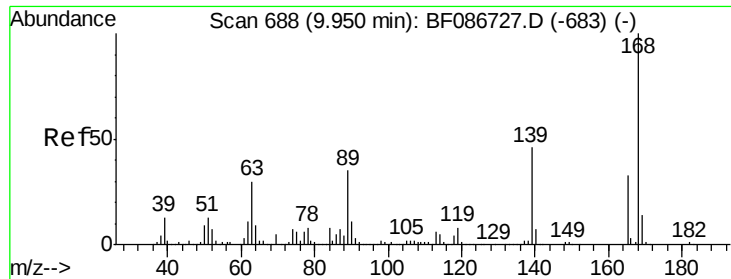
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#51
Acenaphthene
Concen: 5.57 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.05 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	116.0	89.8	134.6
152	52.7	43.4	65.0





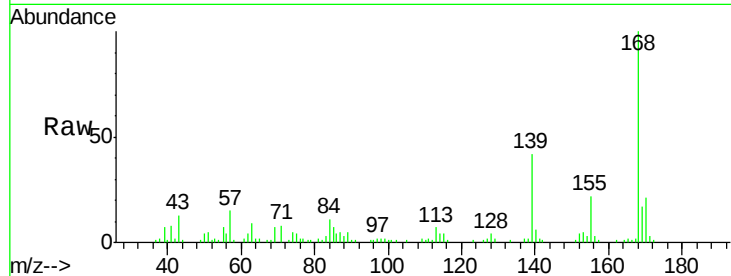
#54
Dibenzenofuran
Concen: 2.46 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.05 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Instrument :
BNA_F
ClientSampleId :
TP-3D02

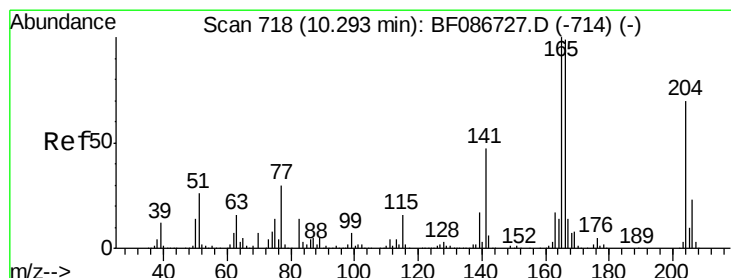
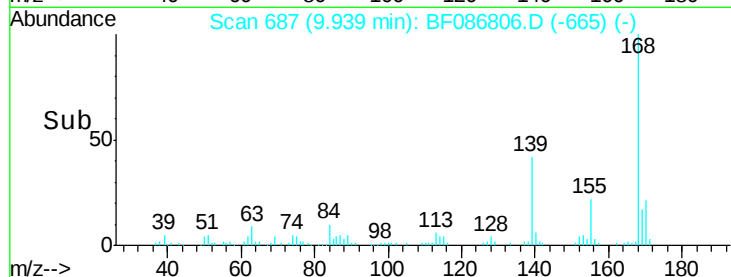
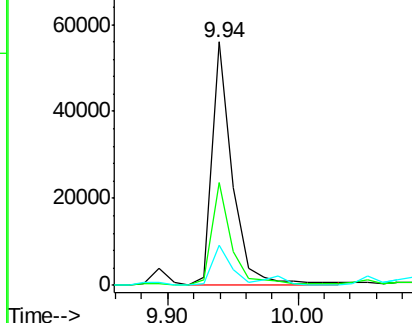
Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	42.1	31.4	47.0
169	16.6	10.7	16.1#

Manual Integrations
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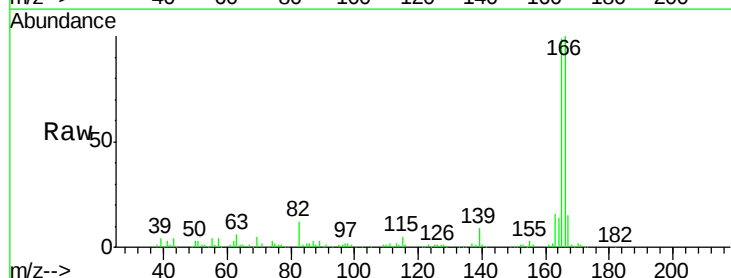


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

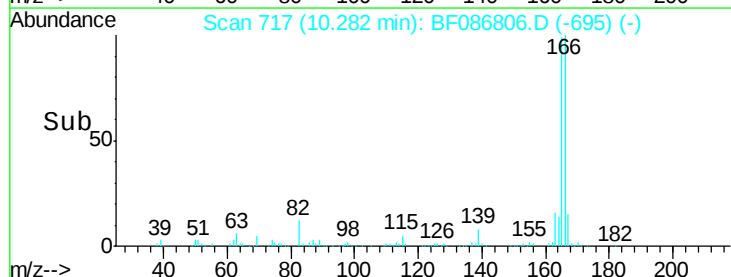
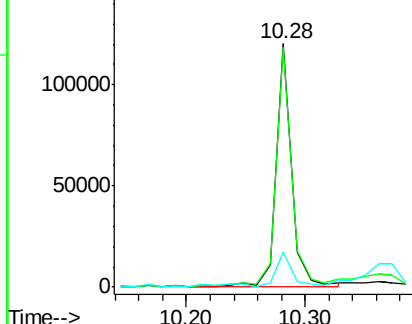


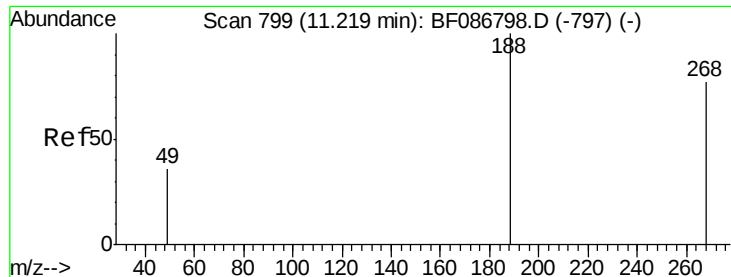
#57
Fluorene
Concen: 5.38 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.05 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	98.7	79.0	118.6
167	14.6	10.6	15.8



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





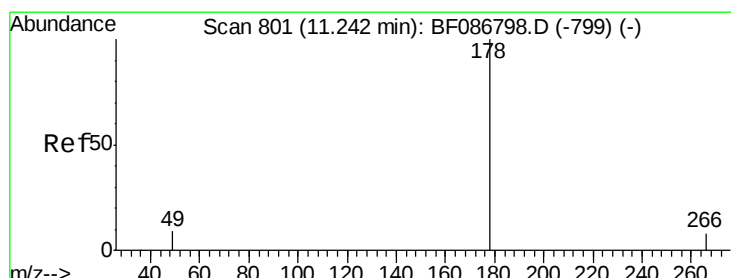
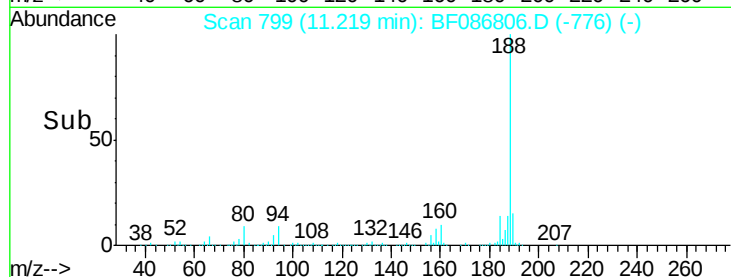
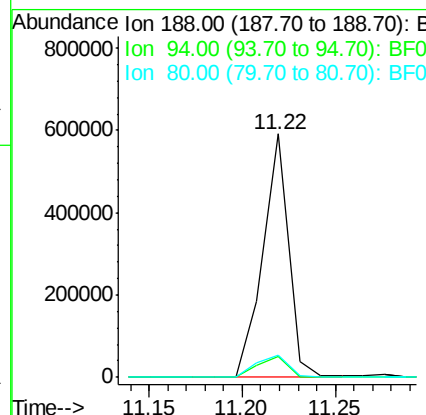
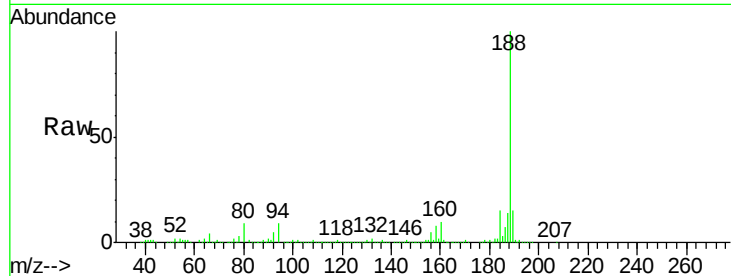
#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.03 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Instrument :
BNA_F
ClientSampleId :
TP-3D02

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.7	6.8	10.2
80	9.0	7.1	10.7

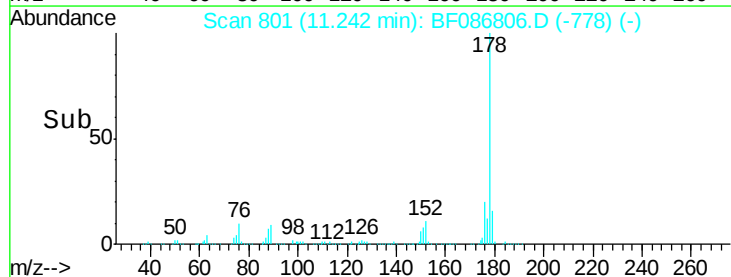
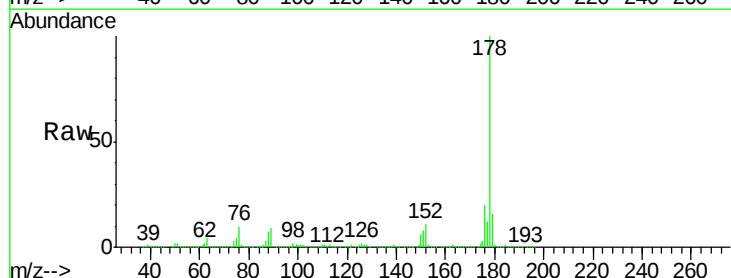
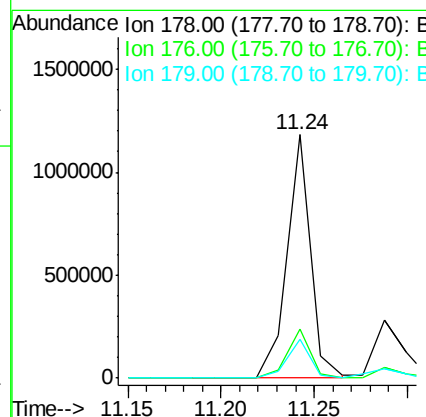
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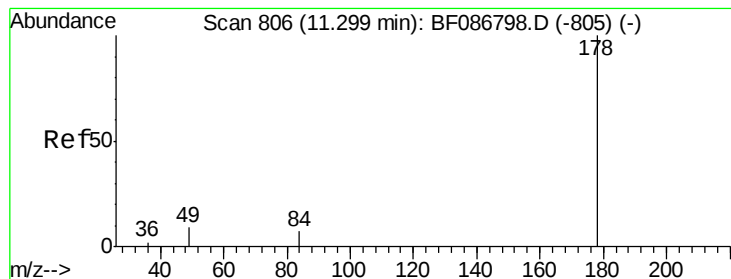
Sohil
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#70
Phenanthrene
Concen: 34.15 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.03 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.0	16.0	24.0
179	15.8	12.6	18.8





#71

Anthracene

Concen: 10.11 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.05 min

Lab File: BF086806.D

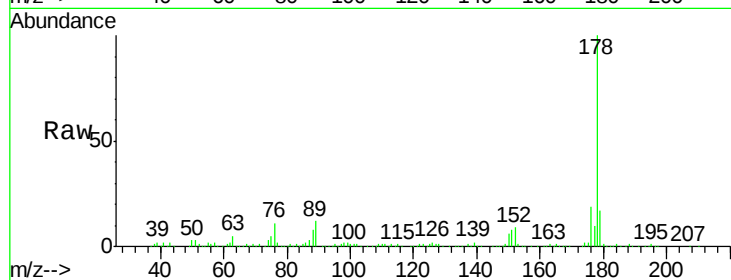
Acq: 8 May 2016 6:42

Instrument :

BNA_F

ClientSampleId :

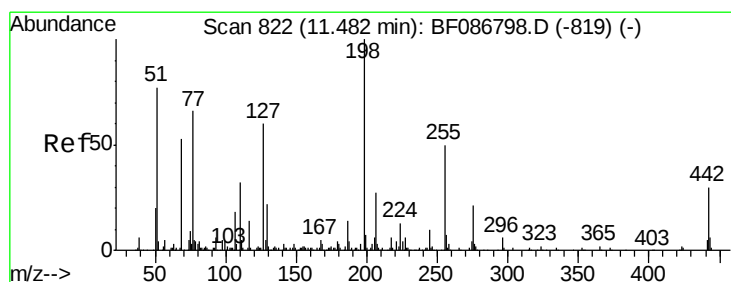
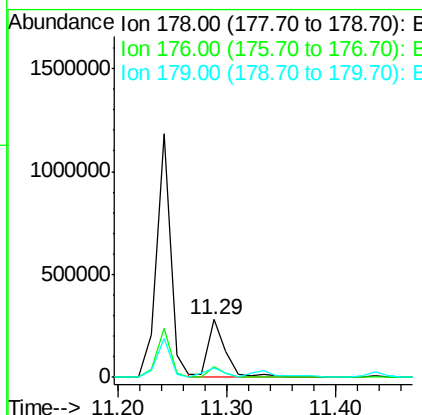
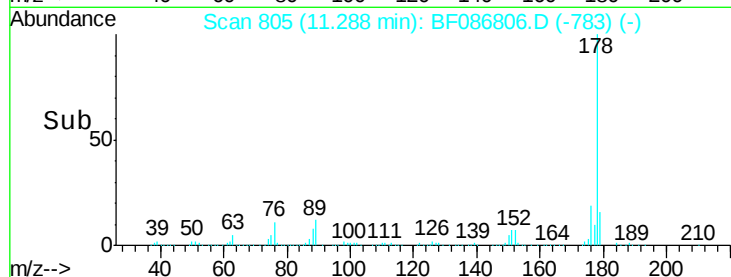
TP-3D02



Tgt Ion:	178	Resp:	321319
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.6	23.4
179	16.7	12.7	19.1

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#72

Carbazole

Concen: 4.25 ng

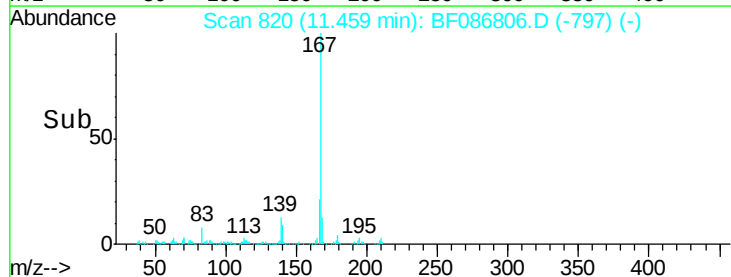
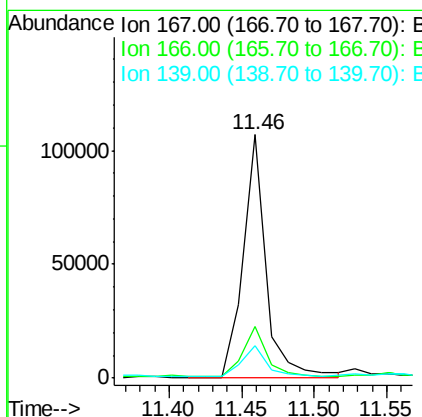
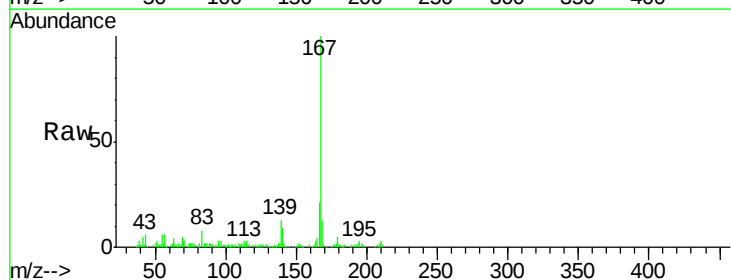
RT: 11.46 min Scan# 820

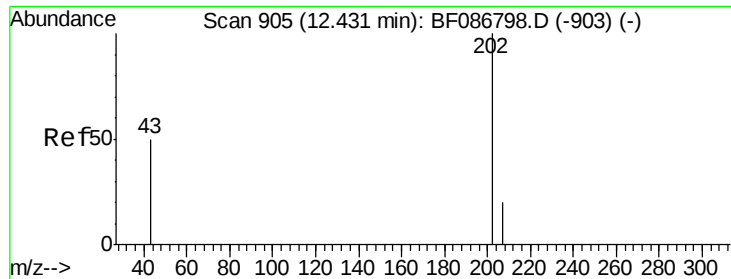
Delta R.T. -0.03 min

Lab File: BF086806.D

Acq: 8 May 2016 6:42

Tgt Ion:	167	Resp:	117260
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.7	26.5
139	13.2	10.8	16.2





#74

Fluoranthene

Concen: 42.60 ng

RT: 12.43 min Scan# 905

Delta R.T. -0.03 min

Lab File: BF086806.D

Acq: 8 May 2016 6:42

Instrument :

BNA_F

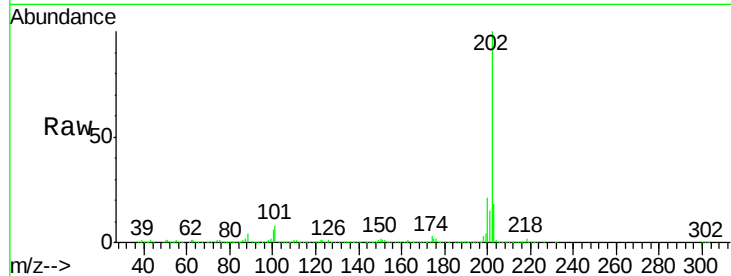
ClientSampleId :

TP-3D02

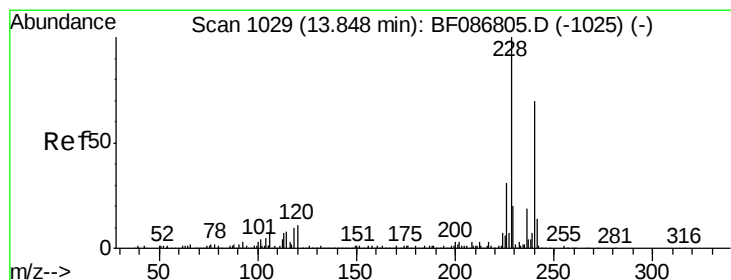
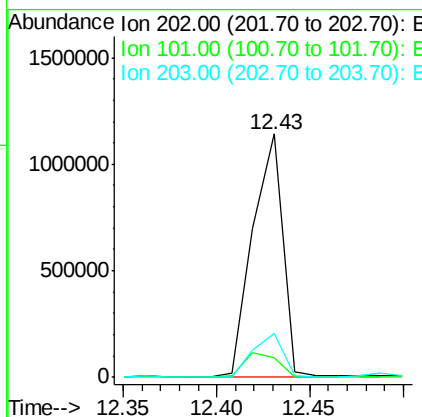
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	35.4
203	18.0	0.0	38.1



#75

Chrysene-d12

Concen: 40.00 ng

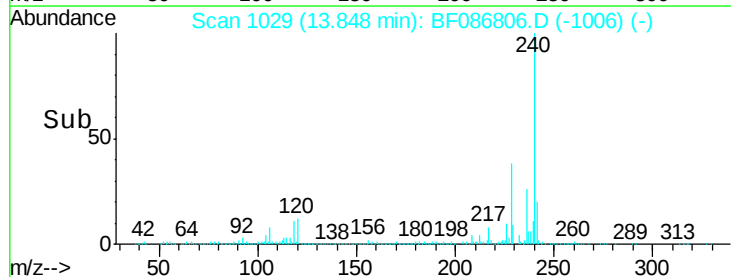
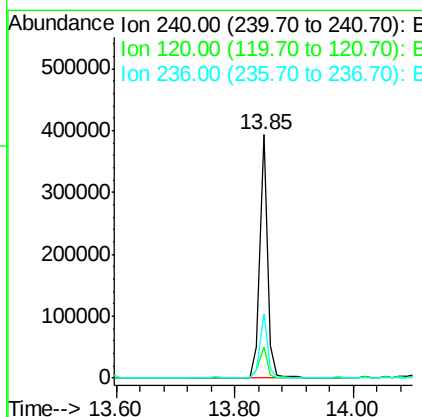
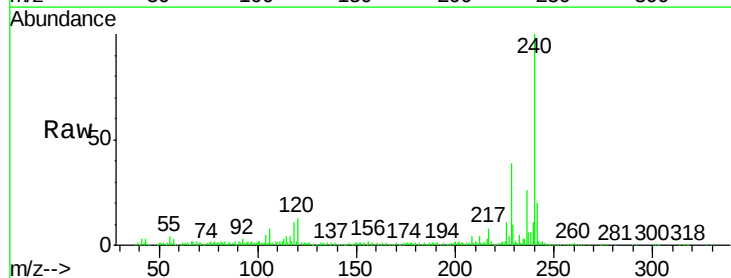
RT: 13.85 min Scan# 1029

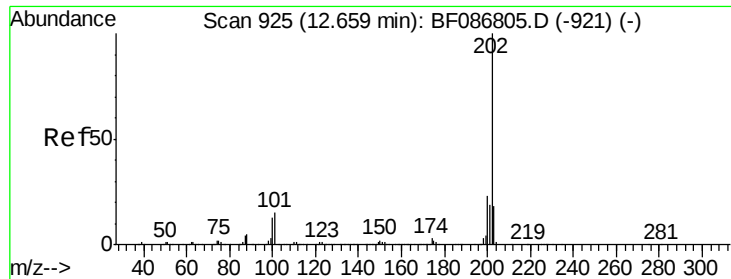
Delta R.T. -0.03 min

Lab File: BF086806.D

Acq: 8 May 2016 6:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	11.2	16.8
236	26.4	21.2	31.8





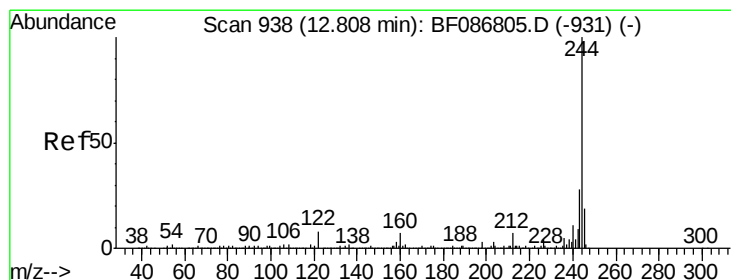
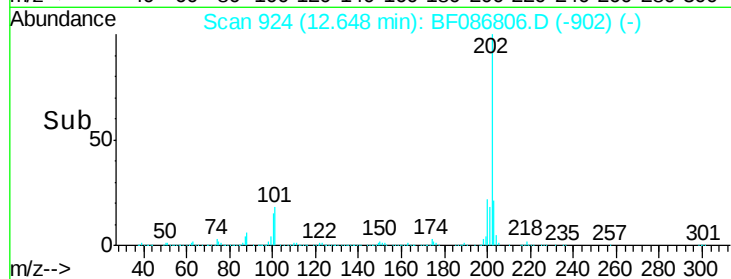
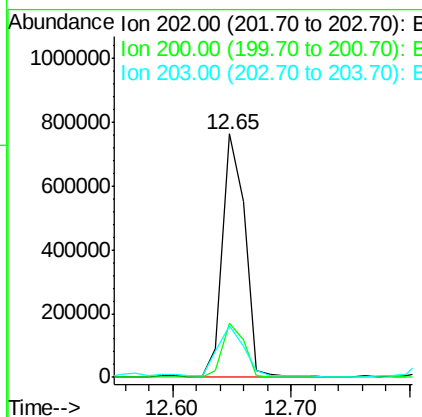
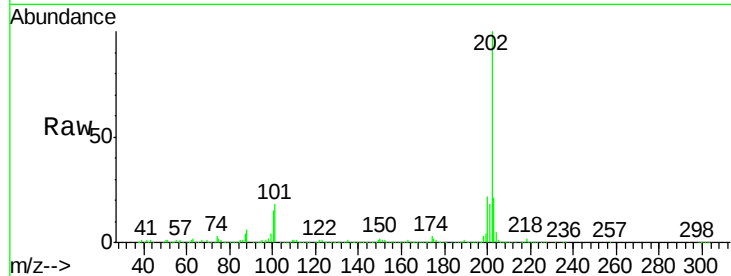
#77
Pyrene
Concen: 35.07 ng
RT: 12.65 min Scan# 924
Delta R.T. -0.05 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Instrument :
BNA_F
ClientSampleId :
TP-3D02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.7	26.5
203	21.0	14.2	21.4

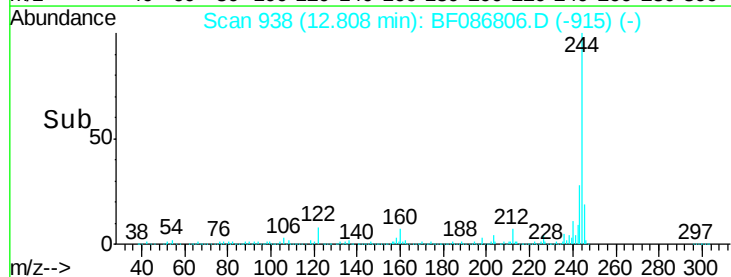
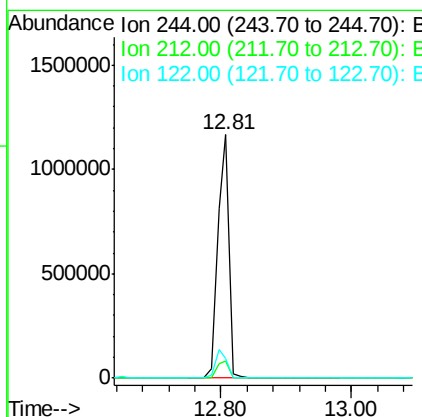
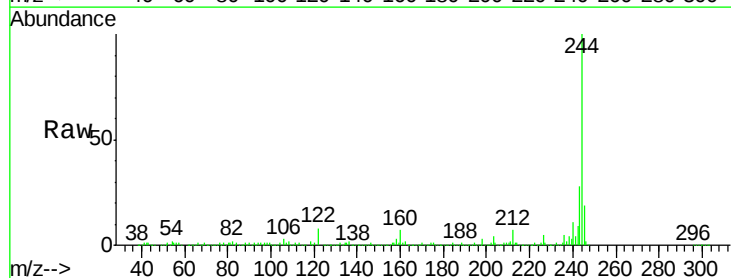
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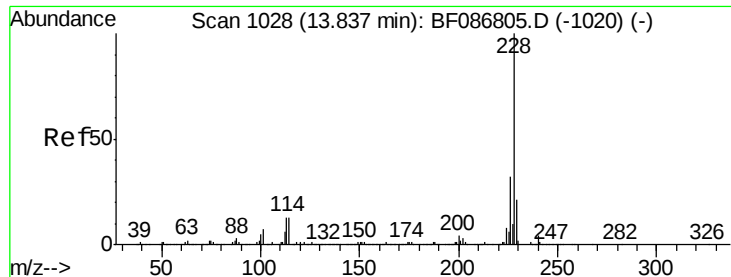
Sohil
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#78
Terphenyl-d14
Concen: 81.54 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.03 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	7.9	12.0	18.0#





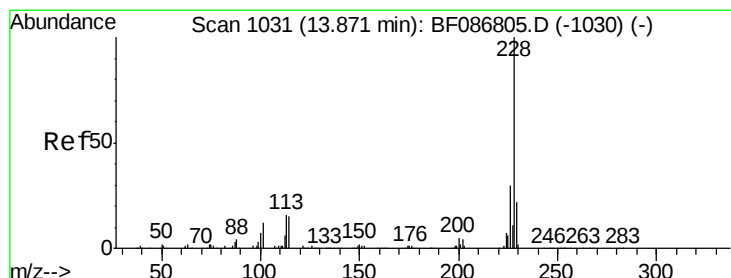
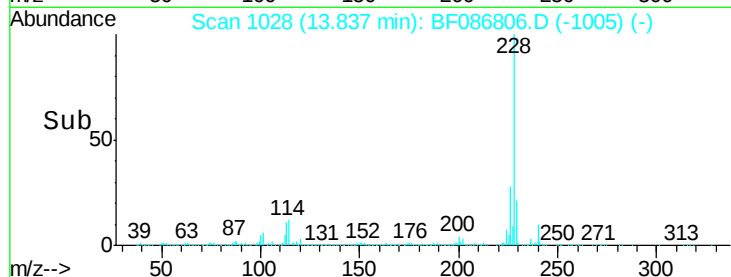
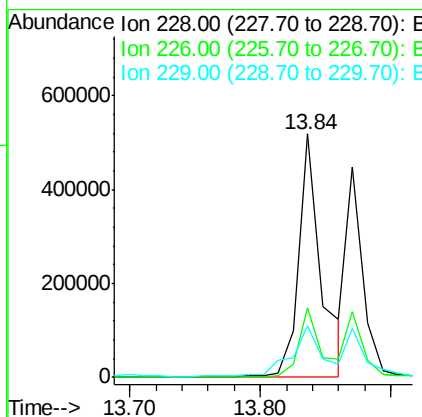
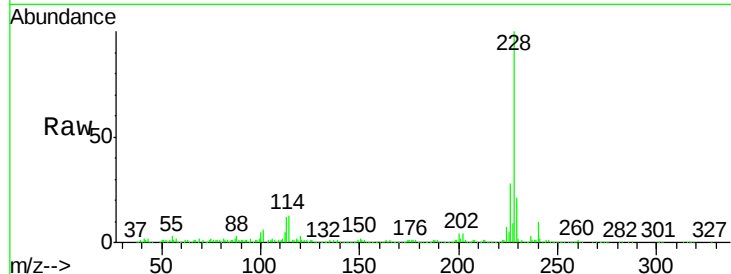
#80
Benzo(a)anthracene
Concen: 31.13 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.03 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Instrument :
BNA_F
ClientSampleId :
TP-3D02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.5	33.7
229	21.1	16.6	25.0

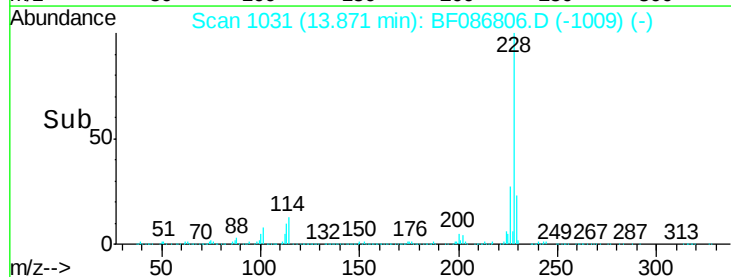
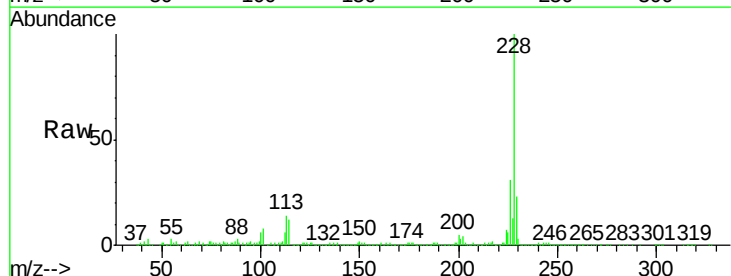
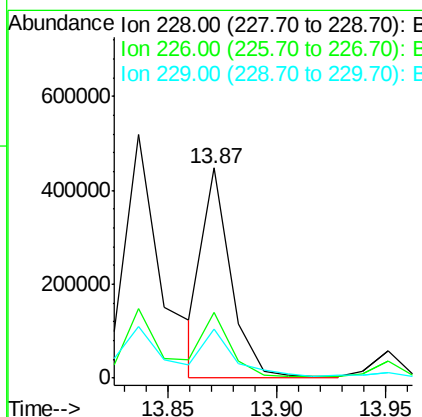
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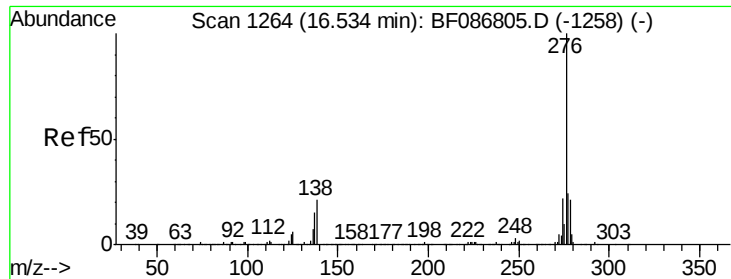
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#82
Chrysene
Concen: 18.82 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.4	36.6
229	23.1	15.8	23.8





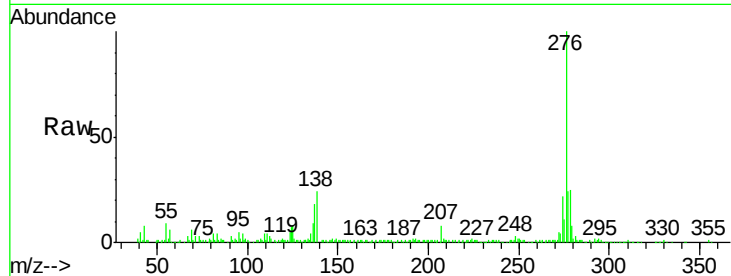
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.82 ng
 RT: 16.52 min Scan# 1263
 Delta R.T. -0.07 min
 Lab File: BF086806.D
 Acq: 8 May 2016 6:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-3D02

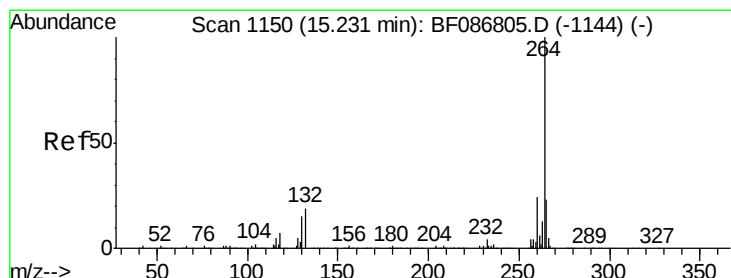
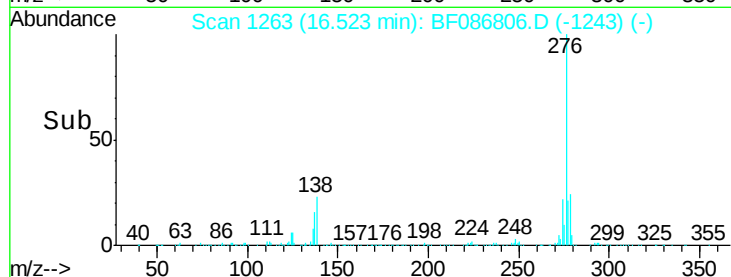
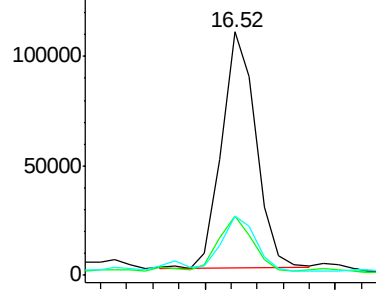
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.2	25.6	38.4
277	31.0	20.5	30.7

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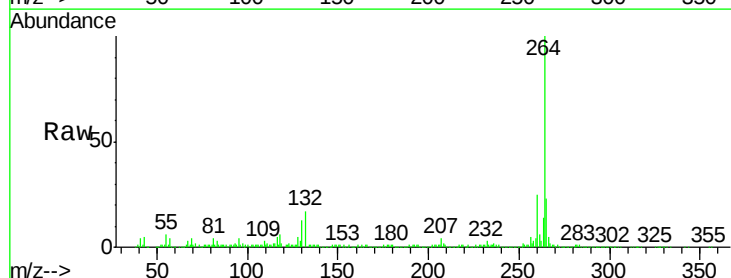


Abundance Ion 276.00 (275.70 to 276.70): E
 150000 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

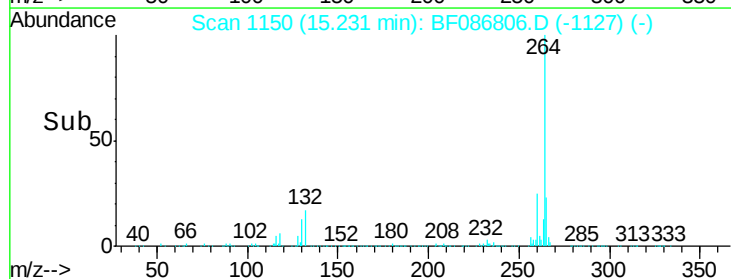
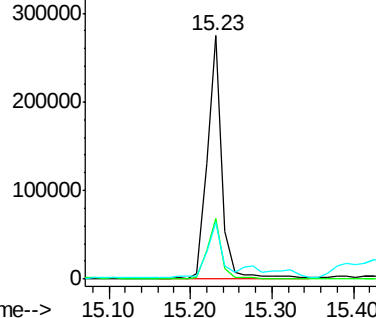


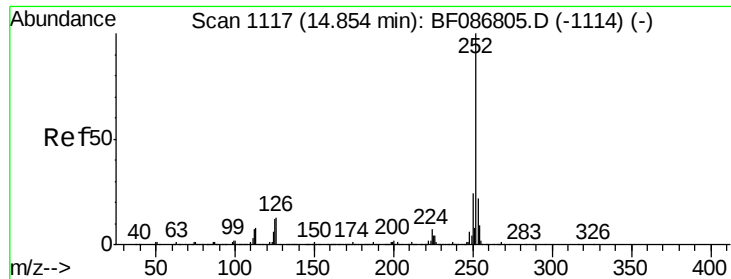
#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.03 min
 Lab File: BF086806.D
 Acq: 8 May 2016 6:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.0	19.5	29.3
265	23.1	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
 300000 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





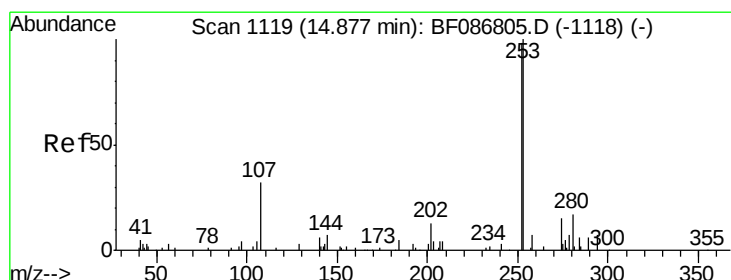
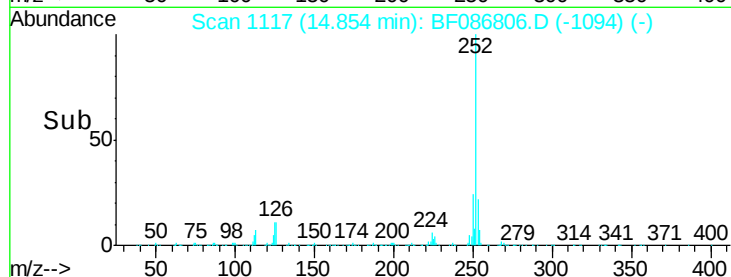
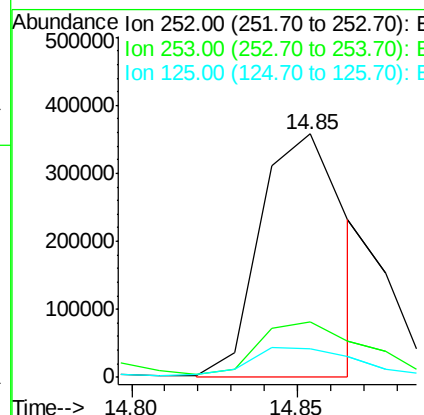
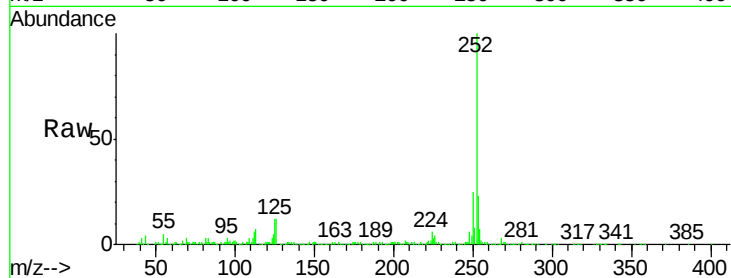
#87
Benzo(b)fluoranthene
Concen: 31.59 ng m
RT: 14.85 min Scan# 1117
Delta R.T. -0.03 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Instrument :
BNA_F
ClientSampleId :
TP-3D02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	12.0	11.4	17.0

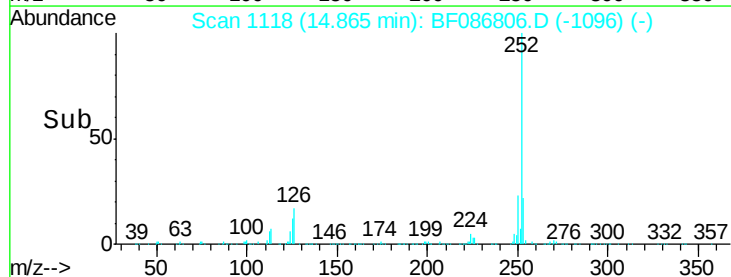
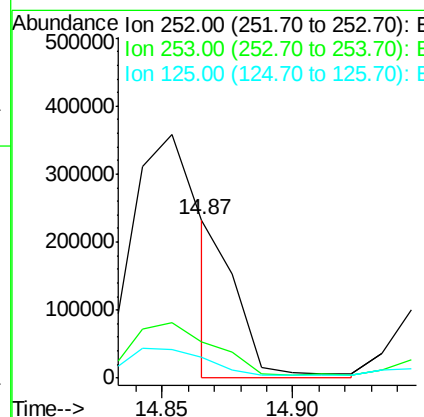
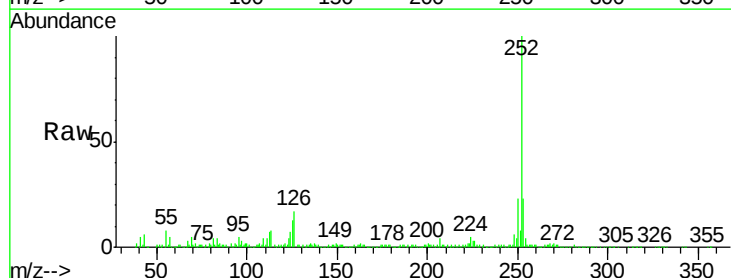
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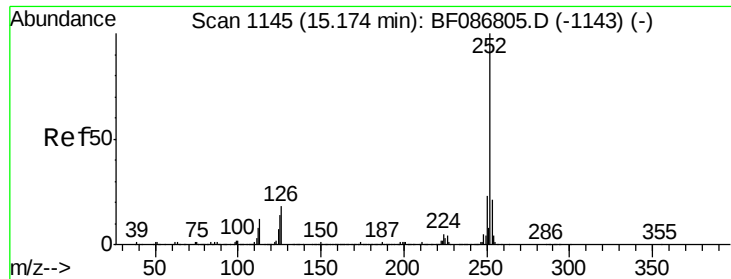
Sohil
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#88
Benzo(k)fluoranthene
Concen: 6.77 ng m
RT: 14.87 min Scan# 1118
Delta R.T. -0.05 min
Lab File: BF086806.D
Acq: 8 May 2016 6:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	13.4	9.1	13.7





#89

Benzo(a)pyrene

Concen: 21.28 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.05 min

Lab File: BF086806.D

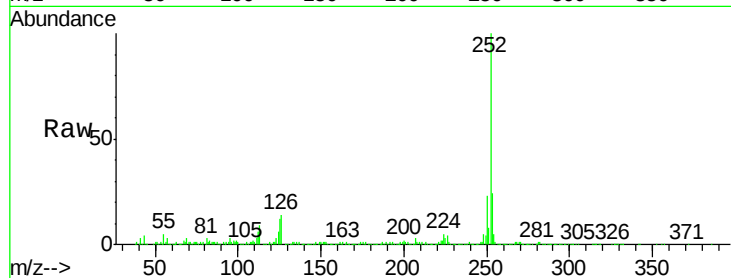
Acq: 8 May 2016 6:42

Instrument :

BNA_F

ClientSampleId :

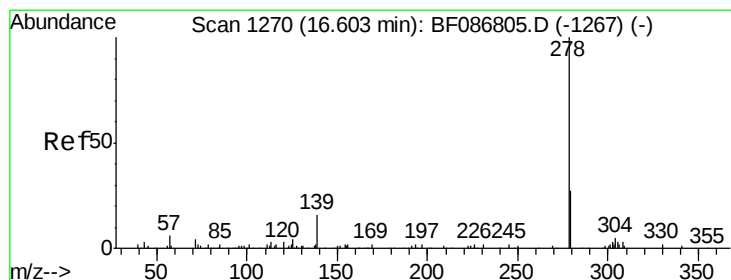
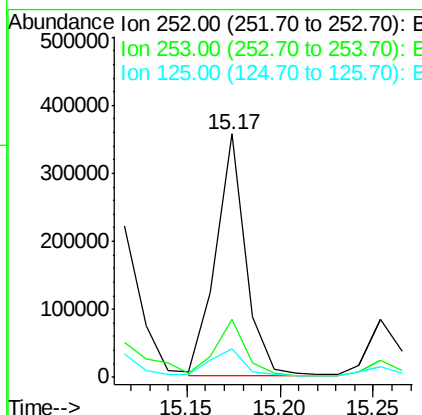
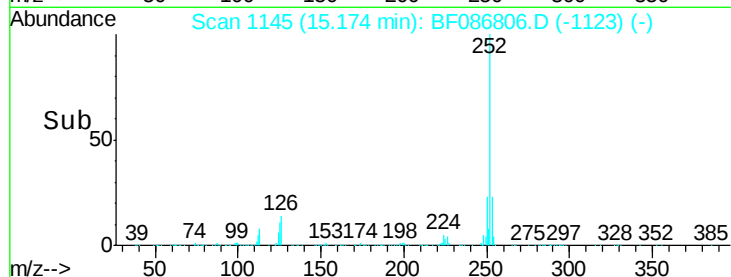
TP-3D02



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	398775		
253	23.9	17.2	25.8	
125	11.5	9.0	13.6	

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#90

Dibenzo(a,h)anthracene

Concen: 3.65 ng m

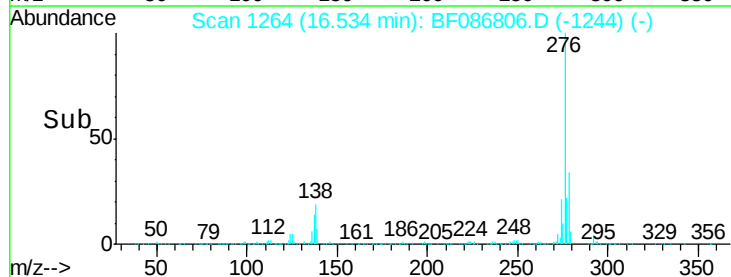
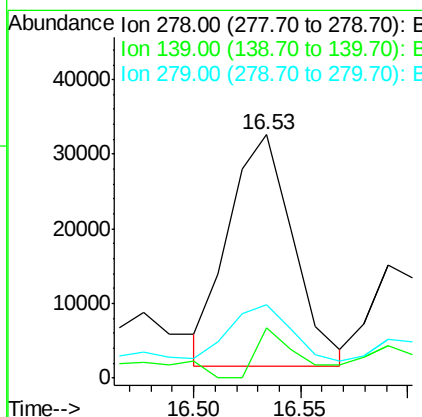
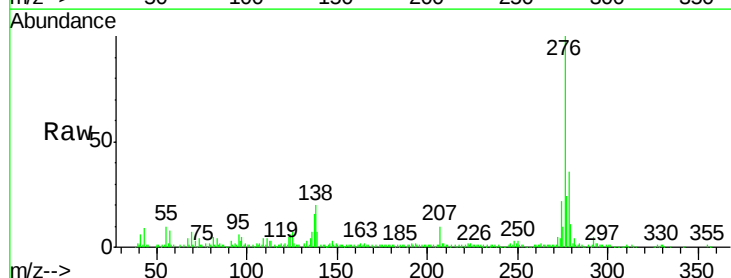
RT: 16.53 min Scan# 1264

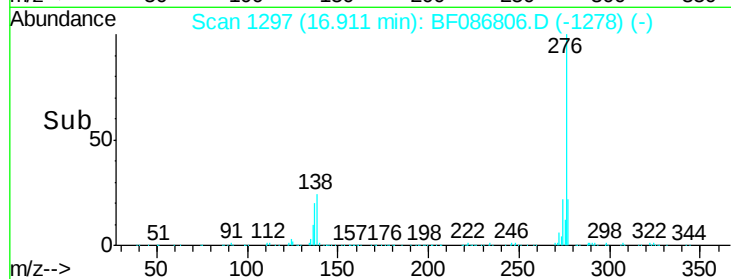
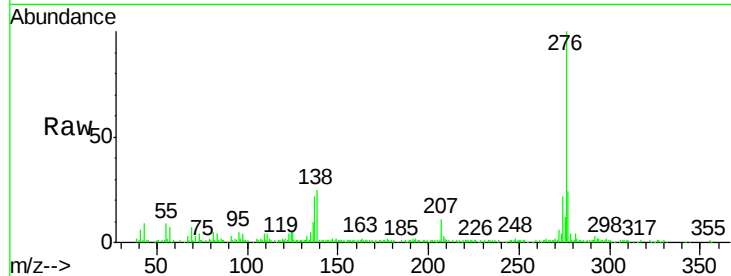
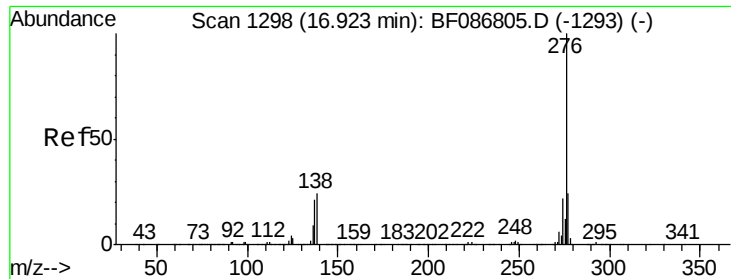
Delta R.T. -0.07 min

Lab File: BF086806.D

Acq: 8 May 2016 6:42

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	65706		
139	20.4	16.6	24.8	
279	30.2	19.6	29.4	





#91

Benzo(g,h,i)perylene

Concen: 9.14 ng

RT: 16.91 min Scan# 1297

Delta R.T. -0.08 min

Lab File: BF086806.D

Acq: 8 May 2016 6:42

Instrument :

BNA_F

ClientSampleId :

TP-3D02

Tgt Ion:	276	Resp:	172835
Ion Ratio		Lower	Upper
276	100		
277	24.2	19.6	29.4
138	25.3	23.6	35.4

Manual Integrations
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