

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060916\
 Data File : BF087866.D
 Acq On : 9 Jun 2016 21:48
 Operator : UM/SJ
 Sample : H3378-11RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-21RE

Quant Time: Jun 10 02:03:11 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

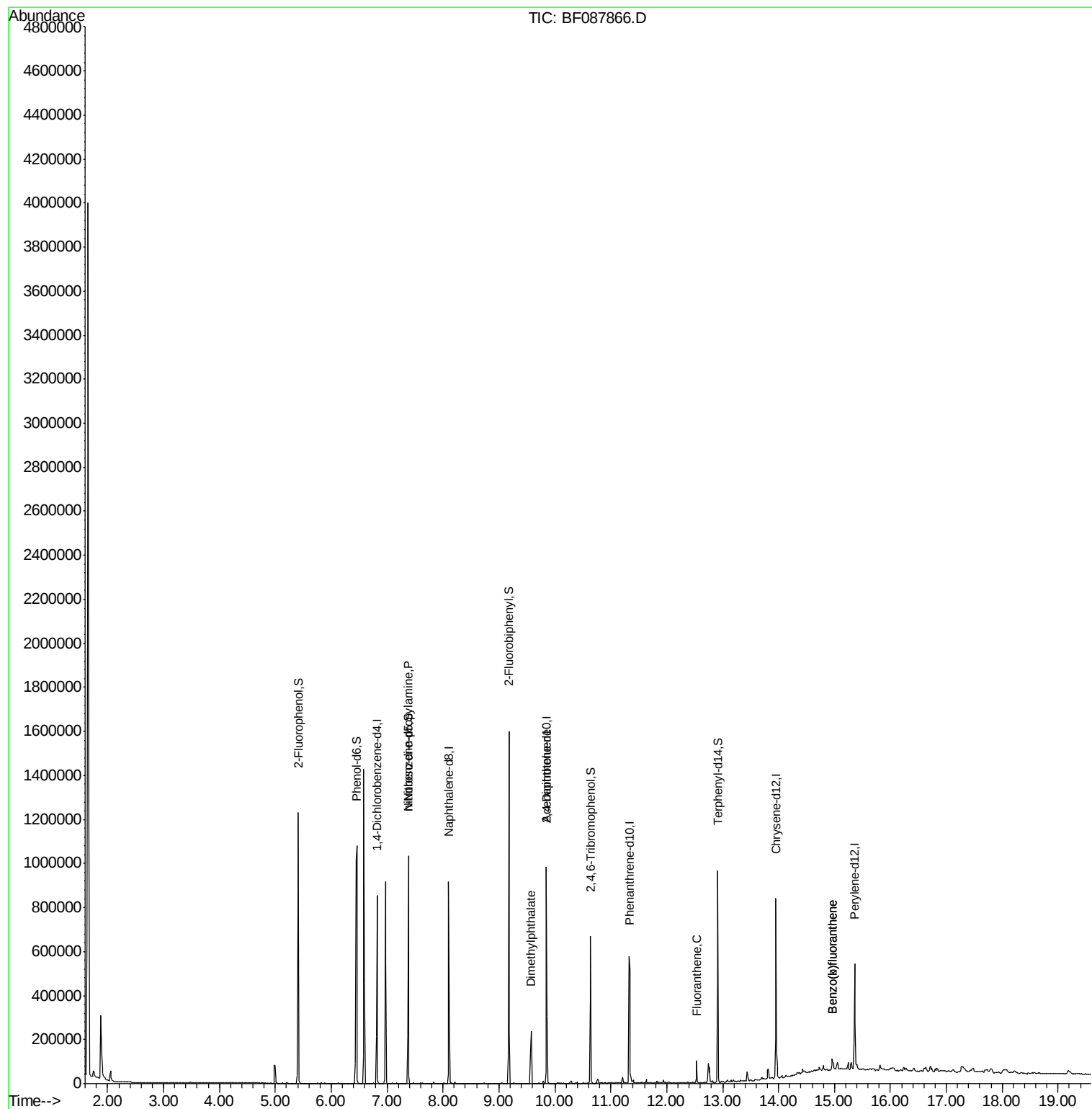
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	132474	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	446683	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	196434	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	306387	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	248554	20.00	ng	-0.03
86) Perylene-d12	15.36	264	204106	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	457686	59.06	ng	-0.01
7) Phenol-d6	6.46	99	593895	63.24	ng	-0.02
23) Nitrobenzene-d5	7.38	82	308660	40.35	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	103598	49.95	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	469017	34.20	ng	-0.03
78) Terphenyl-d14	12.91	244	339244	31.06	ng	-0.03
Target Compounds						
10) Phenol	6.47	94	1842	Below Cal		Qvalue 86
19) n-Nitroso-di-n-propylamine	7.38	70	40662	6.77 ng	#	73
45) 1,1'-Biphenyl	9.18	154	730	Below Cal	#	1
49) Dimethylphthalate	9.58	163	128584	9.04 ng		99
56) 2,4-Dinitrotoluene	9.85	165	25501	6.09 ng	#	37
57) Fluorene	10.40	166	1549	Below Cal	#	84
74) Fluoranthene	12.54	202	39723	2.34 ng		97
87) Benzo(b)fluoranthene	14.96	252	31889	2.24 ng	#	92
88) Benzo(k)fluoranthene	14.96	252	31889	2.97 ng		97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087866.D

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BNA_F

ClientSampleId :

SS-21RE

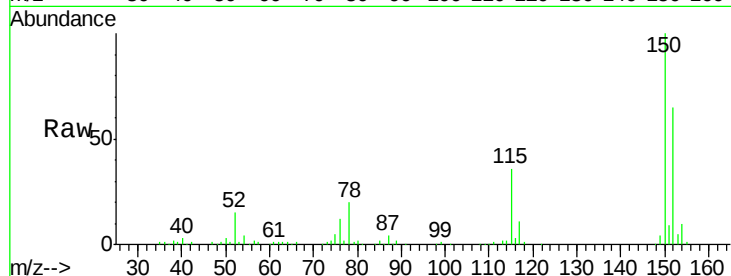
Tgt Ion:152 Resp: 132474

Ion Ratio Lower Upper

152 100

150 153.3 123.8 185.6

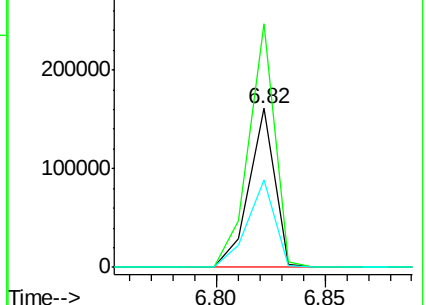
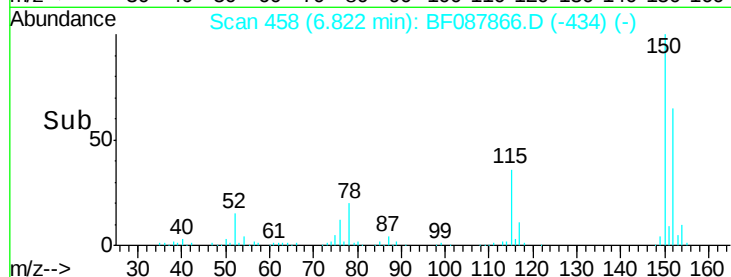
115 55.1 39.6 59.4



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: 59.06 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087866.D

Acq: 9 Jun 2016 21:48

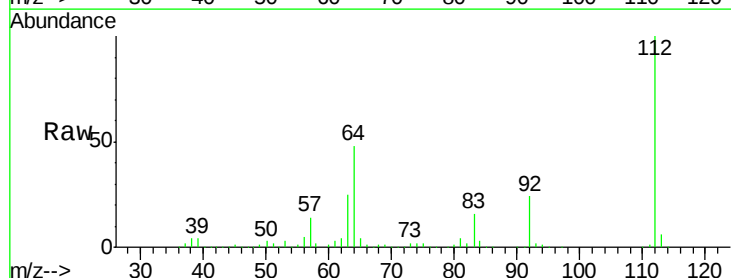
Tgt Ion:112 Resp: 457686

Ion Ratio Lower Upper

112 100

64 47.9 42.2 63.2

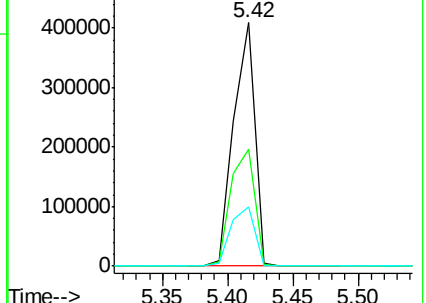
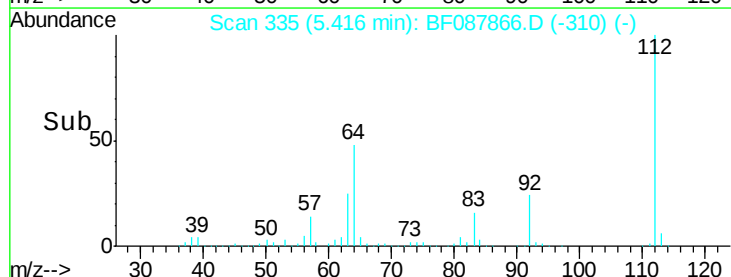
63 24.5 21.8 32.8



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: 63.24 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087866.D

Acq: 9 Jun 2016 21:48

Instrument :

BNA_F

ClientSampleId :

SS-21RE

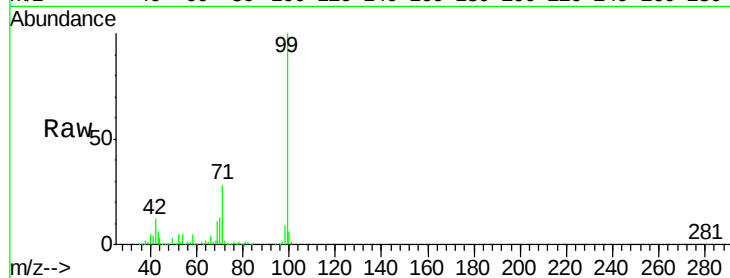
Tgt Ion: 99 Resp: 593895

Ion Ratio Lower Upper

99 100

42 12.0 12.2 18.2#

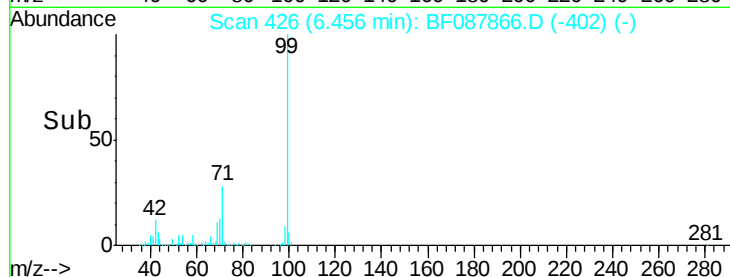
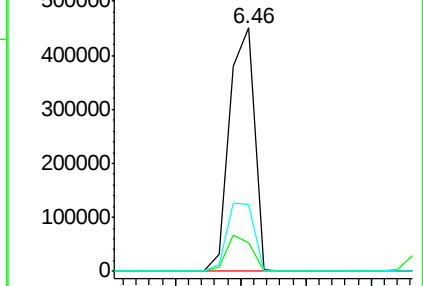
71 27.6 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087866.D

Acq: 9 Jun 2016 21:48

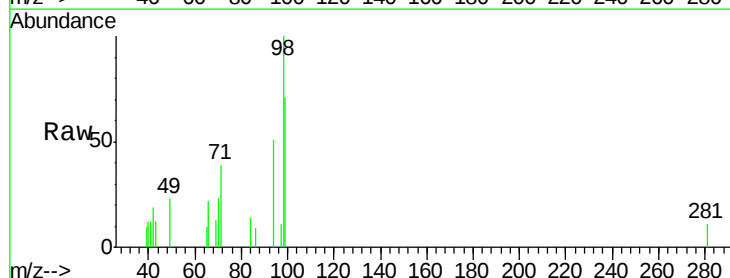
Tgt Ion: 94 Resp: 1842

Ion Ratio Lower Upper

94 100

65 19.4 5.9 45.9

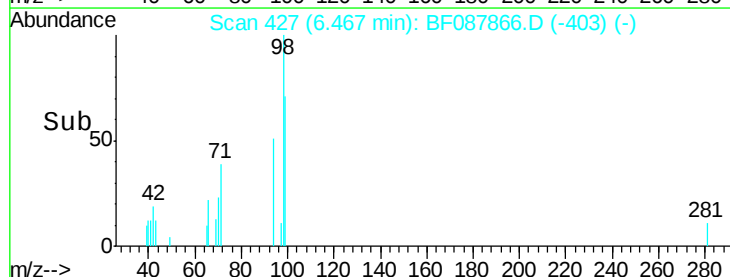
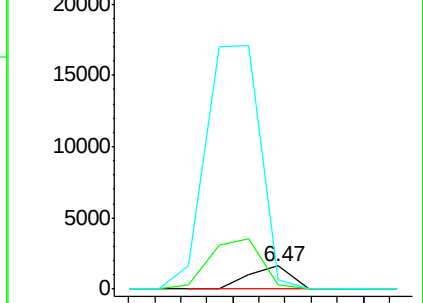
66 42.5 14.0 54.0



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

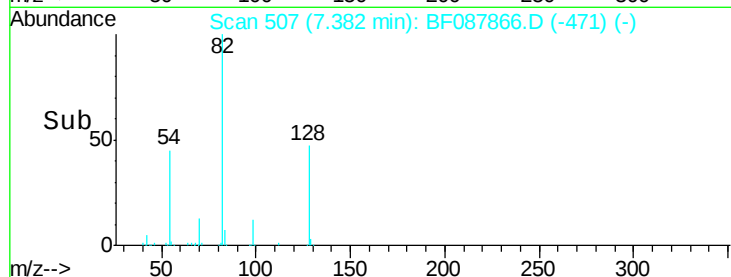
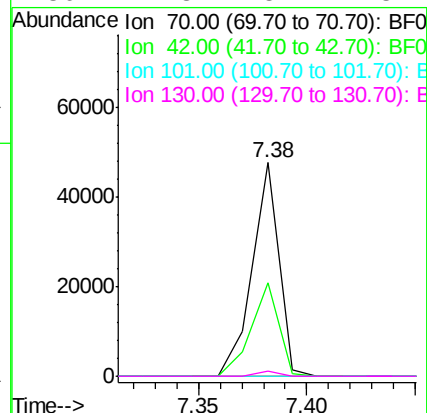
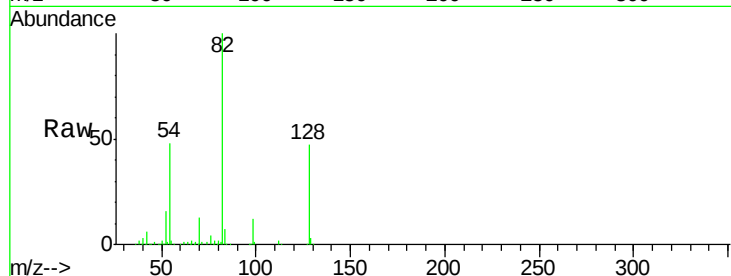




#19
n-Nitroso-di-n-propylamine
Concen: 6.77 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087866.D
Acq: 9 Jun 2016 21:48

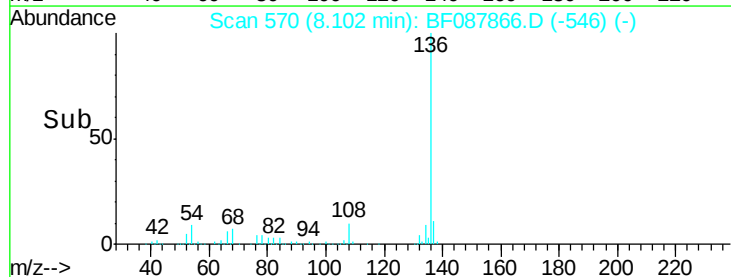
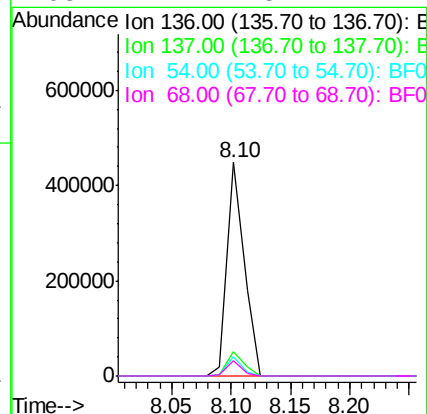
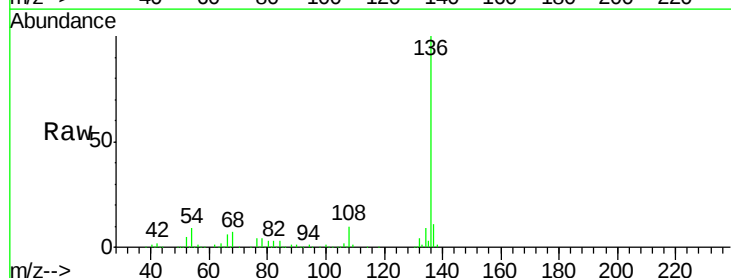
Instrument :
BNA_F
ClientSampleId :
SS-21RE

Tgt Ion: 70 Resp: 40662
Ion Ratio Lower Upper
70 100
42 44.0 49.6 74.4#
101 0.0 7.1 10.7#
130 2.3 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087866.D
Acq: 9 Jun 2016 21:48

Tgt Ion: 136 Resp: 446683
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 8.8 6.6 10.0
68 7.1 5.1 7.7





#23

Nitrobenzene-d5

Concen: 40.35 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087866.D

Acq: 9 Jun 2016 21:48

Instrument :

BNA_F

ClientSampleId :

SS-21RE

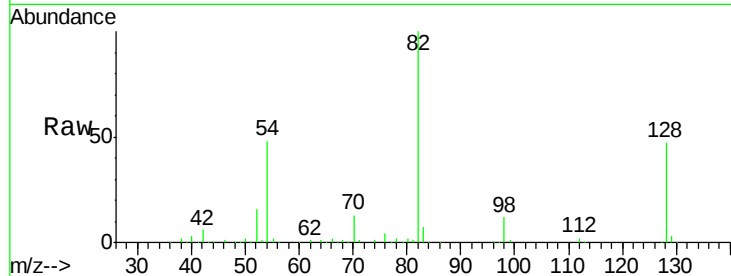
Tgt Ion: 82 Resp: 308660

Ion Ratio Lower Upper

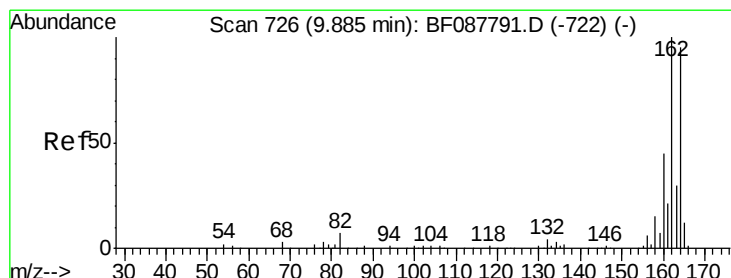
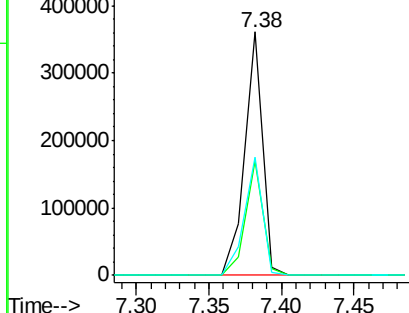
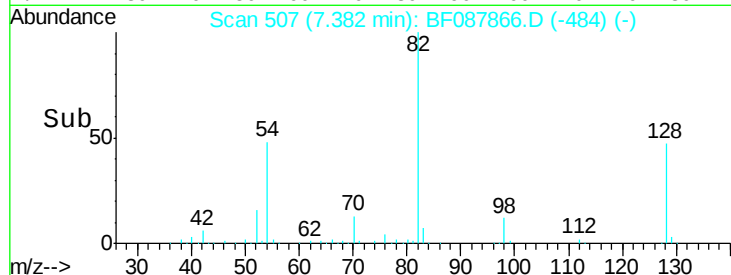
82 100

128 46.8 35.9 53.9

54 48.3 40.9 61.3



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087866.D

Acq: 9 Jun 2016 21:48

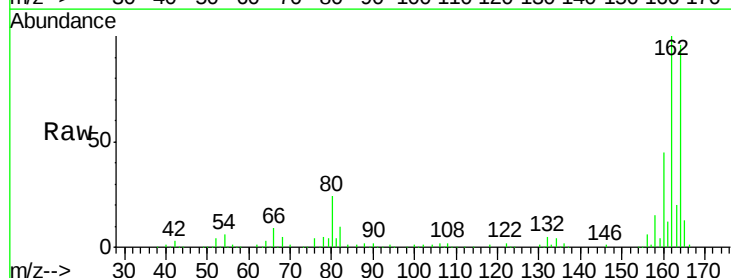
Tgt Ion:164 Resp: 196434

Ion Ratio Lower Upper

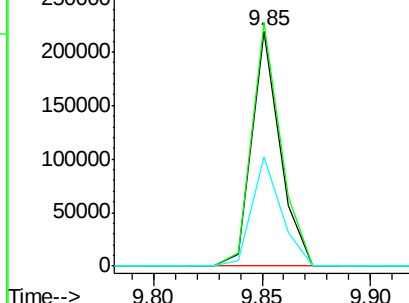
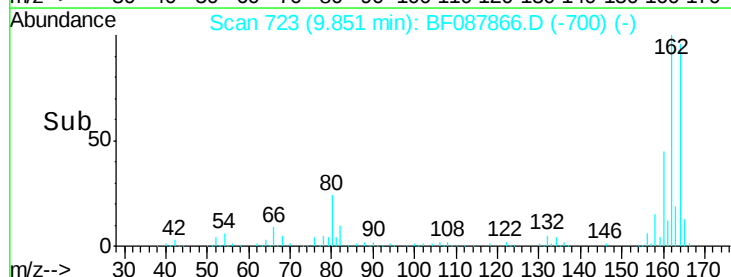
164 100

162 103.8 85.4 128.2

160 46.7 39.5 59.3



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

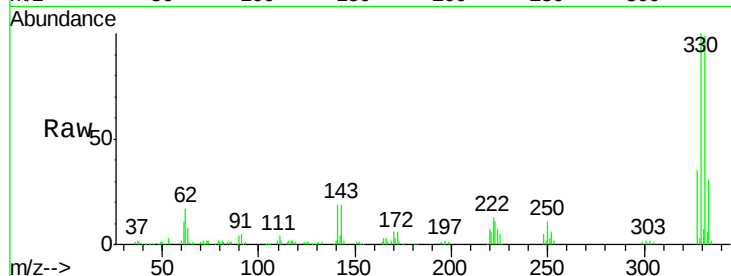




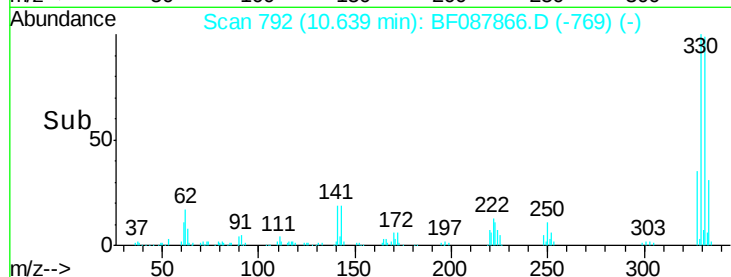
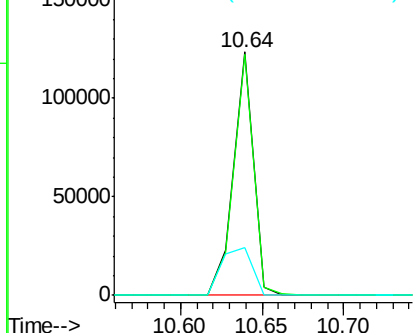
#41
 2,4,6-Tribromophenol
 Concen: 49.95 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087866.D
 Acq: 9 Jun 2016 21:48

Instrument :
 BNA_F
 ClientSampleId :
 SS-21RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	0.0	0.0#
141	30.5	0.0	0.0#

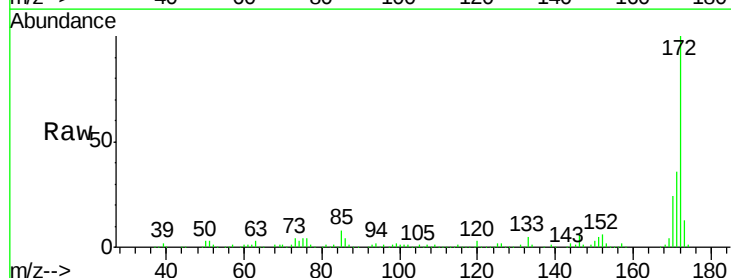


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

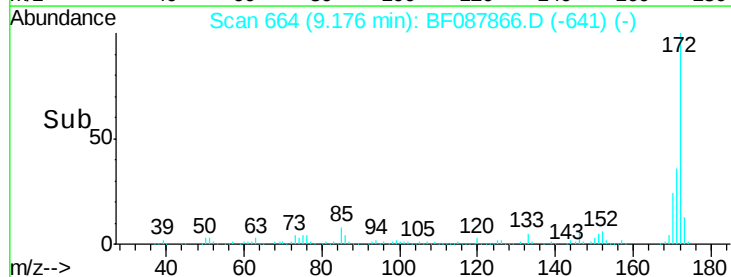
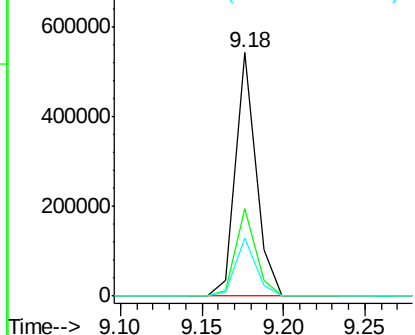


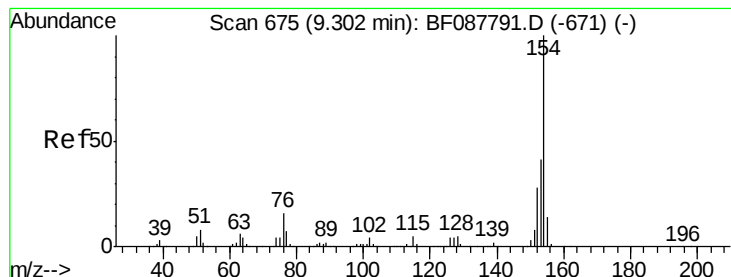
#44
 2-Fluorobiphenyl
 Concen: 34.20 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087866.D
 Acq: 9 Jun 2016 21:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.8	19.2	28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.18 min Scan# 664

Delta R.T. -0.12 min

Lab File: BF087866.D

Acq: 9 Jun 2016 21:48

Instrument :

BNA_F

ClientSampleId :

SS-21RE

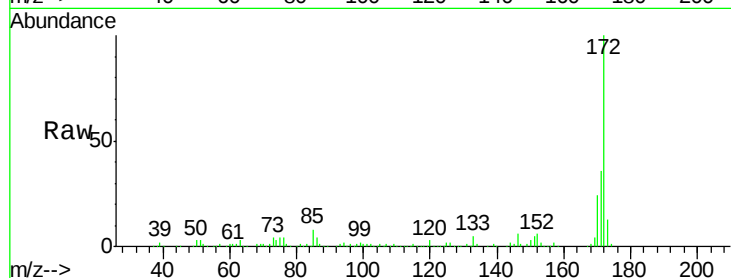
Tgt Ion:154 Resp: 730

Ion Ratio Lower Upper

154 100

153 969.3 20.6 60.6#

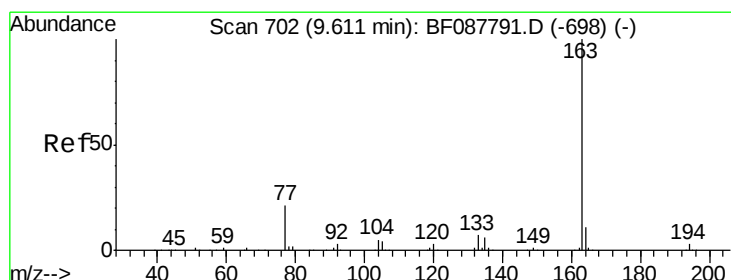
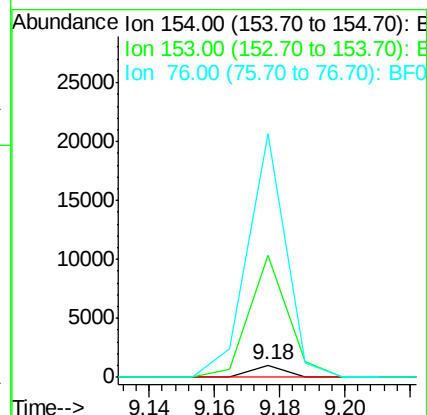
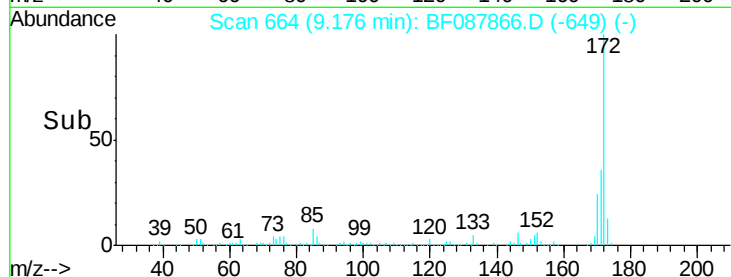
76 1939.5 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 9.04 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF087866.D

Acq: 9 Jun 2016 21:48

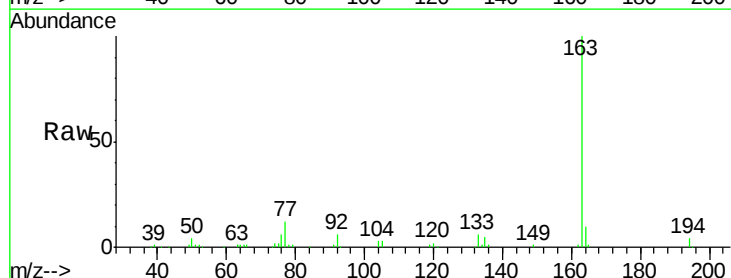
Tgt Ion:163 Resp: 128584

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

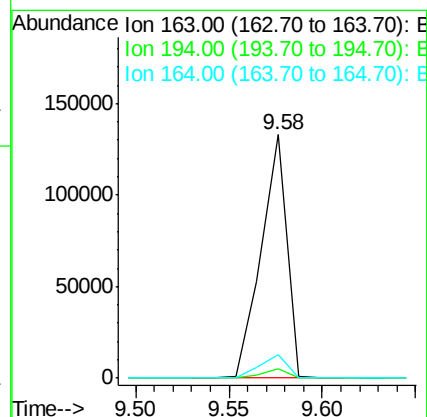
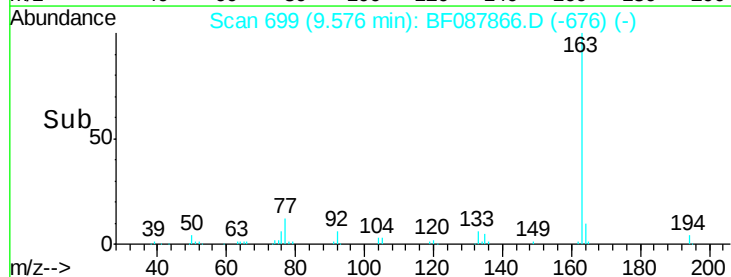
164 9.8 8.3 12.5



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

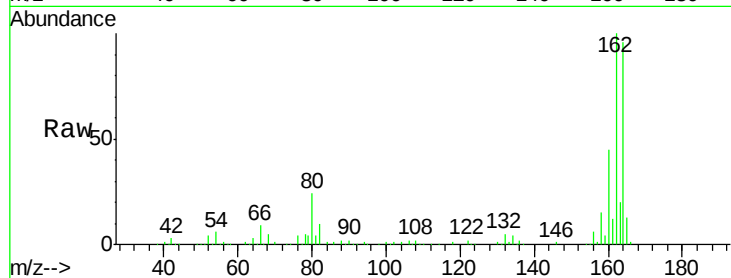




#56
2,4-Dinitrotoluene
Concen: 6.09 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.22 min
Lab File: BF087866.D
Acq: 9 Jun 2016 21:48

Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	22.0	33.0#
89	1.3	41.1	61.7#
182	0.0	2.0	3.0#

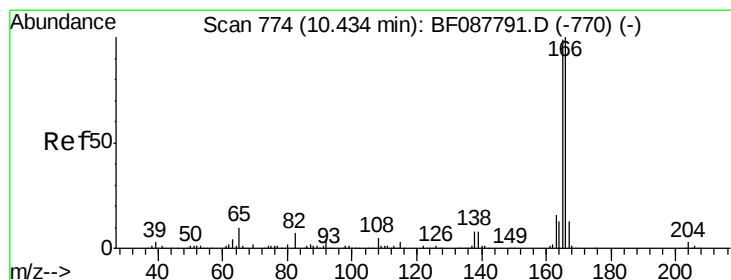
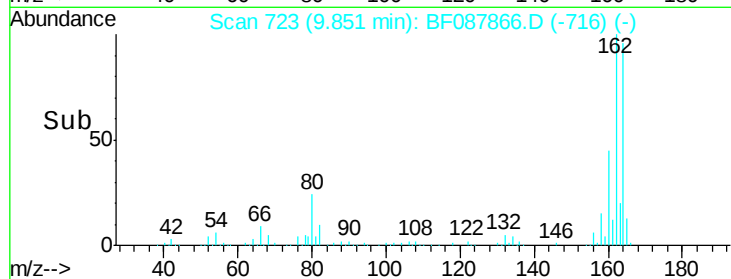
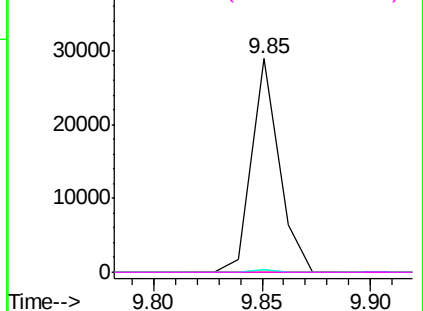


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

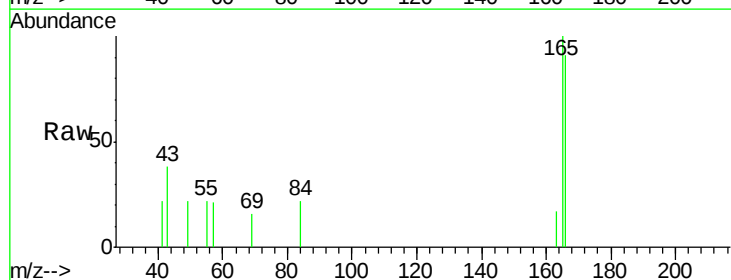
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: Below Cal
RT: 10.40 min Scan# 771
Delta R.T. -0.03 min
Lab File: BF087866.D
Acq: 9 Jun 2016 21:48

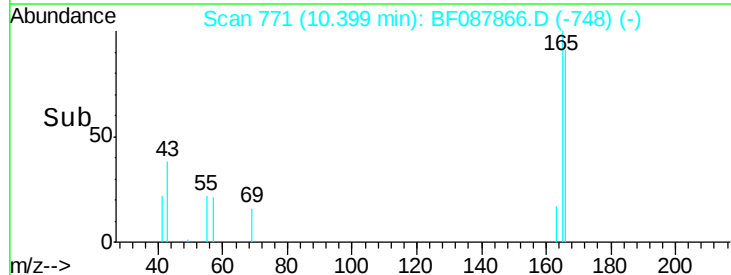
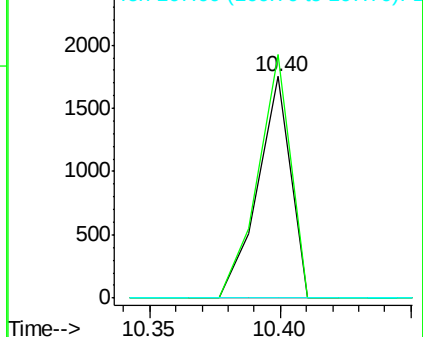
Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.9	77.8	116.8
167	0.0	11.2	16.8#

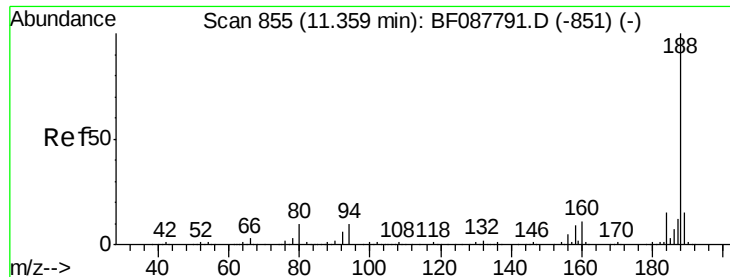


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

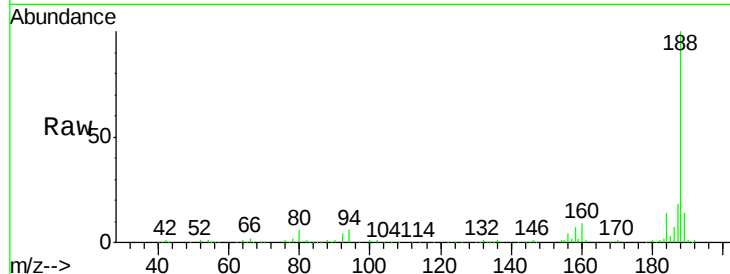




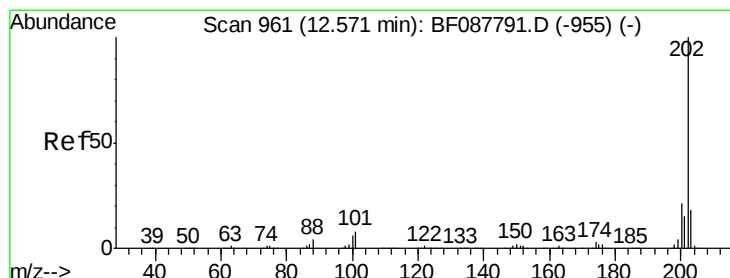
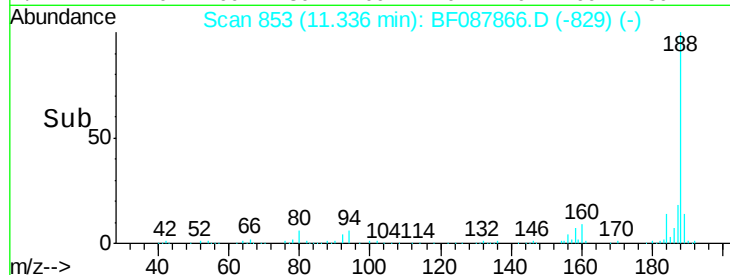
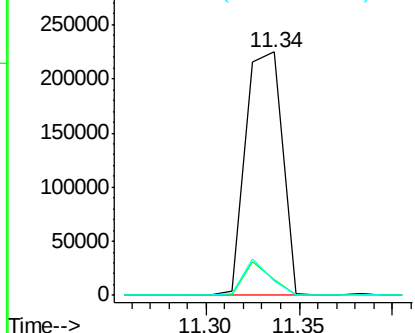
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF087866.D
Acq: 9 Jun 2016 21:48

Instrument :
BNA_F
ClientSampleId :
SS-21RE

Tgt Ion:188 Resp: 306387
Ion Ratio Lower Upper
188 100
94 6.4 9.0 13.6#
80 6.1 10.0 15.0#

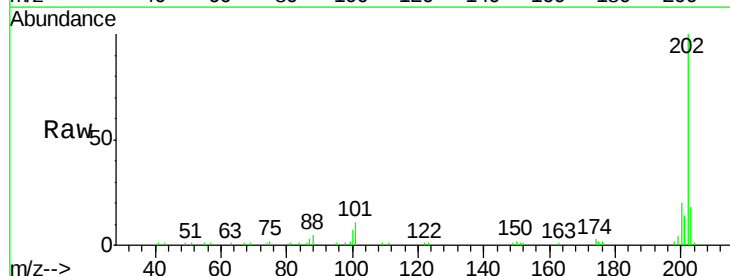


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

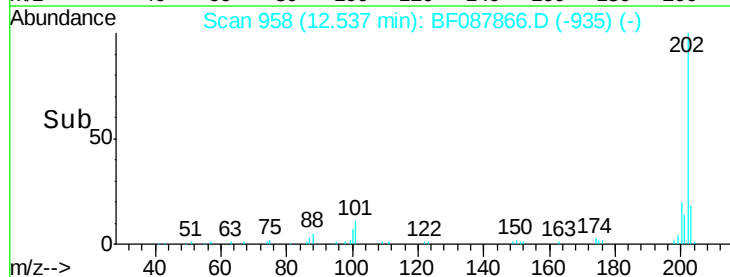
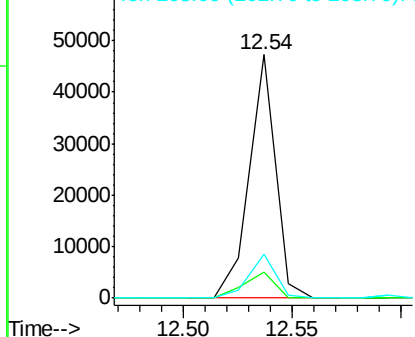


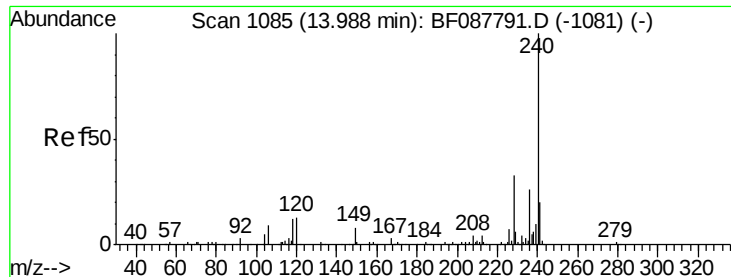
#74
Fluoranthene
Concen: 2.34 ng
RT: 12.54 min Scan# 958
Delta R.T. -0.03 min
Lab File: BF087866.D
Acq: 9 Jun 2016 21:48

Tgt Ion:202 Resp: 39723
Ion Ratio Lower Upper
202 100
101 10.5 0.0 33.1
203 17.9 0.0 38.1



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

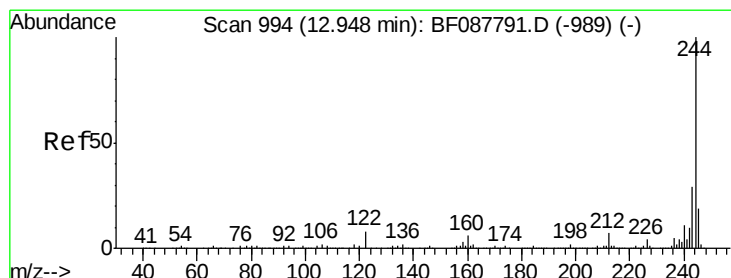
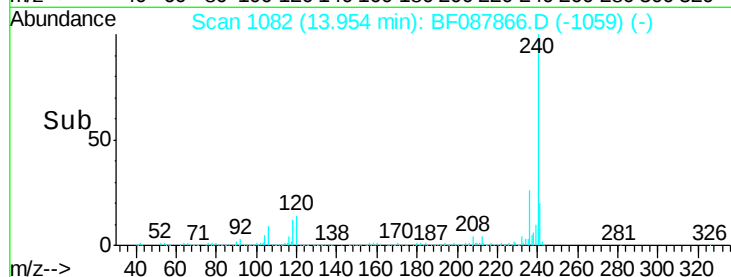
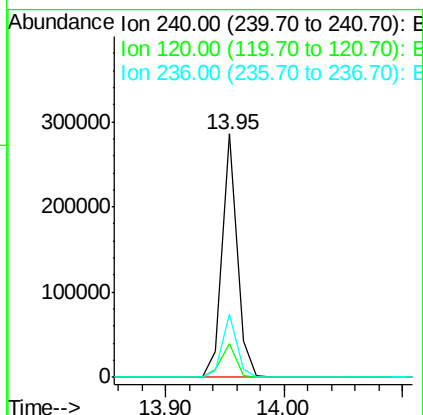
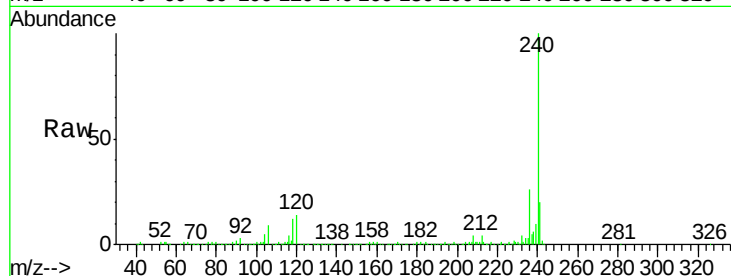




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BF087866.D
Acq: 9 Jun 2016 21:48

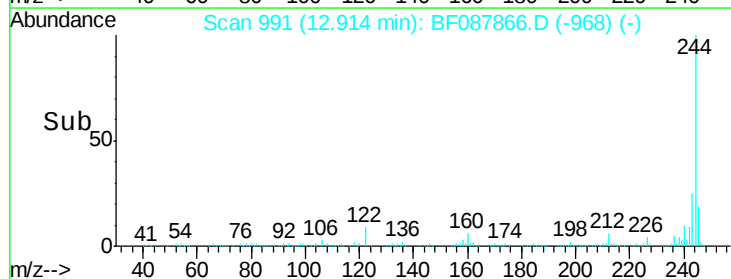
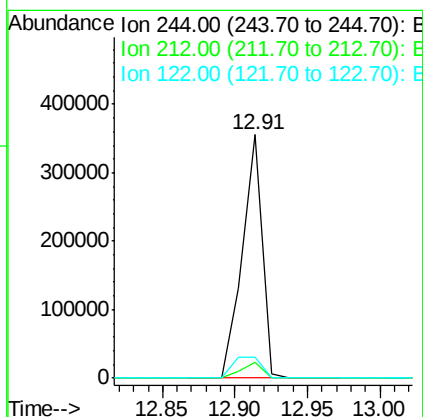
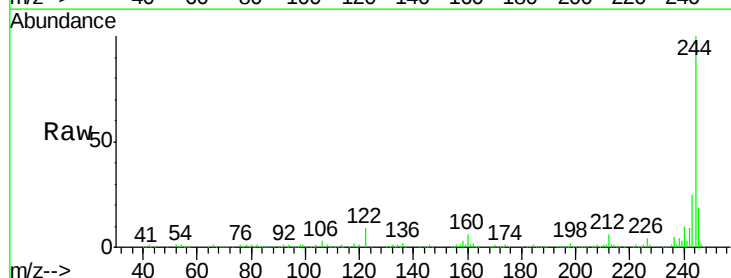
Instrument :
BNA_F
ClientSampleId :
SS-21RE

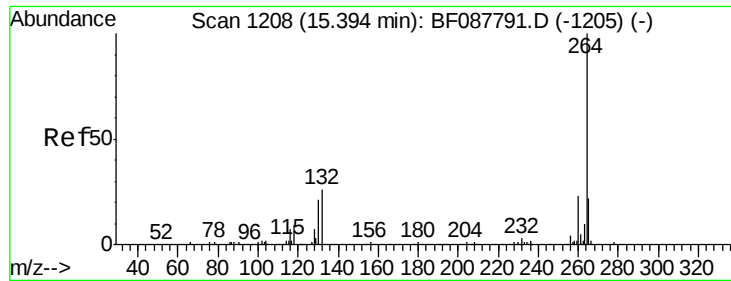
Tgt Ion:240 Resp: 248554
Ion Ratio Lower Upper
240 100
120 13.9 6.8 10.2#
236 25.7 20.2 30.2



#78
Terphenyl-d14
Concen: 31.06 ng
RT: 12.91 min Scan# 991
Delta R.T. -0.03 min
Lab File: BF087866.D
Acq: 9 Jun 2016 21:48

Tgt Ion:244 Resp: 339244
Ion Ratio Lower Upper
244 100
212 6.3 6.0 9.0
122 8.7 11.2 16.8#



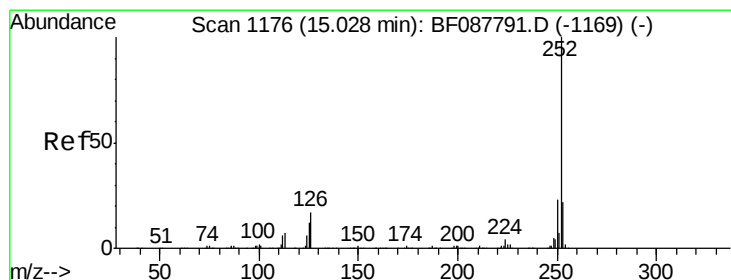
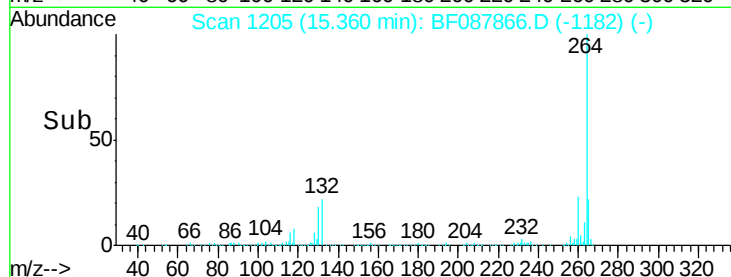
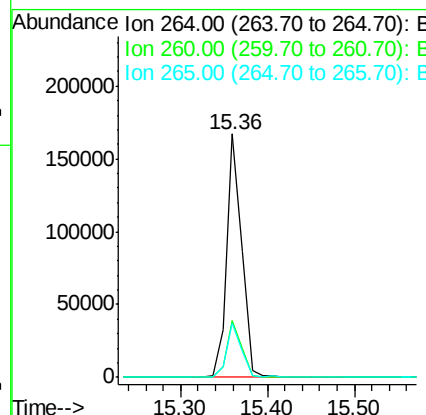
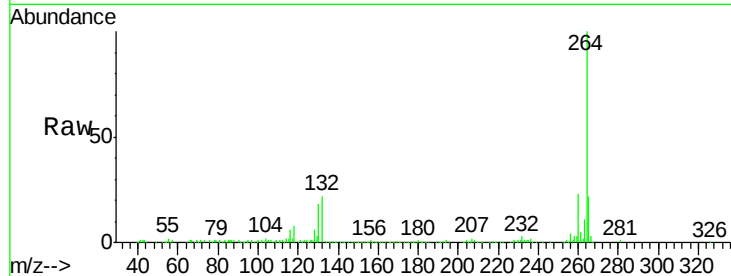


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087866.D
Acq: 9 Jun 2016 21:48

Instrument :
BNA_F
ClientSampleId :
SS-21RE

Tgt Ion: 264 Resp: 204106

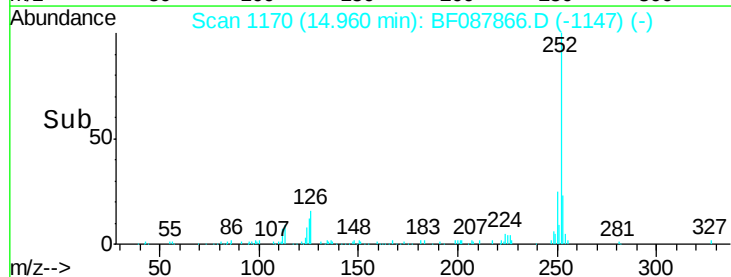
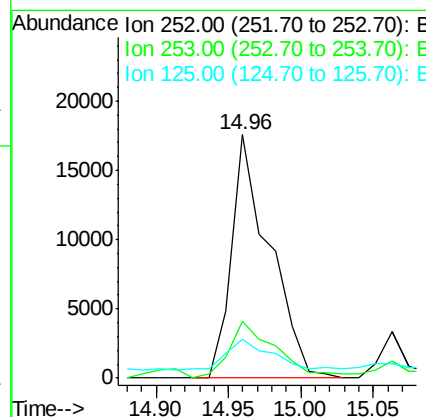
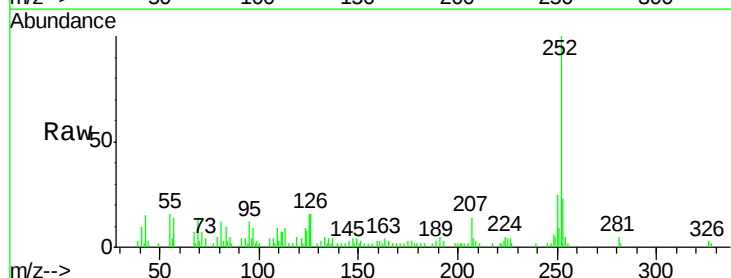
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.1	16.9	25.3

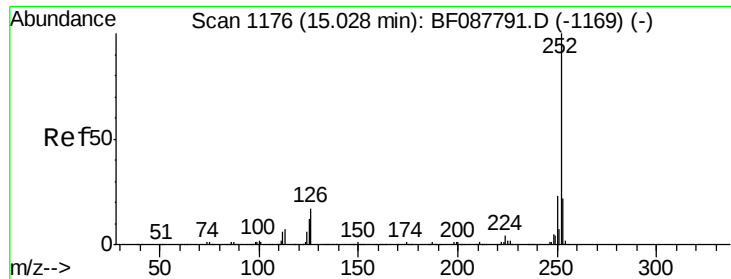


#87
Benzo(b)fluoranthene
Concen: 2.24 ng
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087866.D
Acq: 9 Jun 2016 21:48

Tgt Ion: 252 Resp: 31889

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	16.2	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 2.97 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.07 min

Lab File: BF087866.D

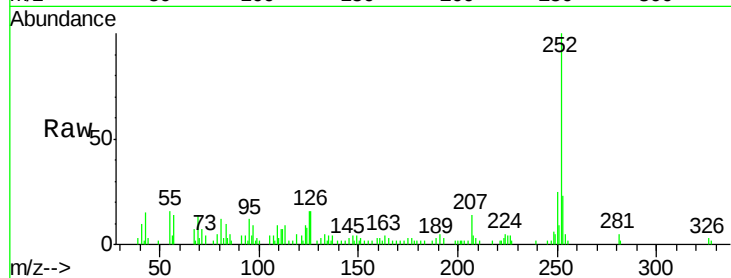
Acq: 9 Jun 2016 21:48

Instrument :

BNA_F

ClientSampleId :

SS-21RE



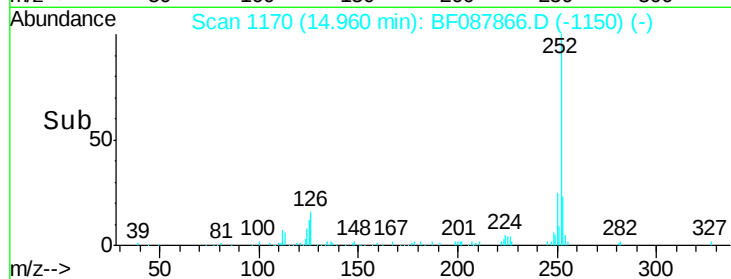
Tgt Ion: 252 Resp: 31889

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

125 16.2 11.2 16.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

