

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089091.D
 Acq On : 18 Jul 2016 19:41
 Operator : UM/SJ
 Sample : H4044-23 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M10-B2(4-8)C

Quant Time: Jul 19 03:16:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	51634	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	196196	20.00	ng	-0.07
38) Acenaphthene-d10	9.68	164	70992	20.00	ng	-0.07
63) Phenanthrene-d10	11.15	188	107576	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	102620	20.00	ng	-0.08
86) Perylene-d12	15.13	264	83085	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	76863	22.31	ng	-0.07
7) Phenol-d6	6.30	99	93026	20.90	ng	-0.06
23) Nitrobenzene-d5	7.20	82	53182	14.21	ng	-0.08
41) 2,4,6-Tribromophenol	10.46	330	11259	17.08	ng	-0.08
44) 2-Fluorobiphenyl	9.00	172	106053	23.60	ng	-0.07
78) Terphenyl-d14	12.73	244	63156	13.71	ng	-0.07

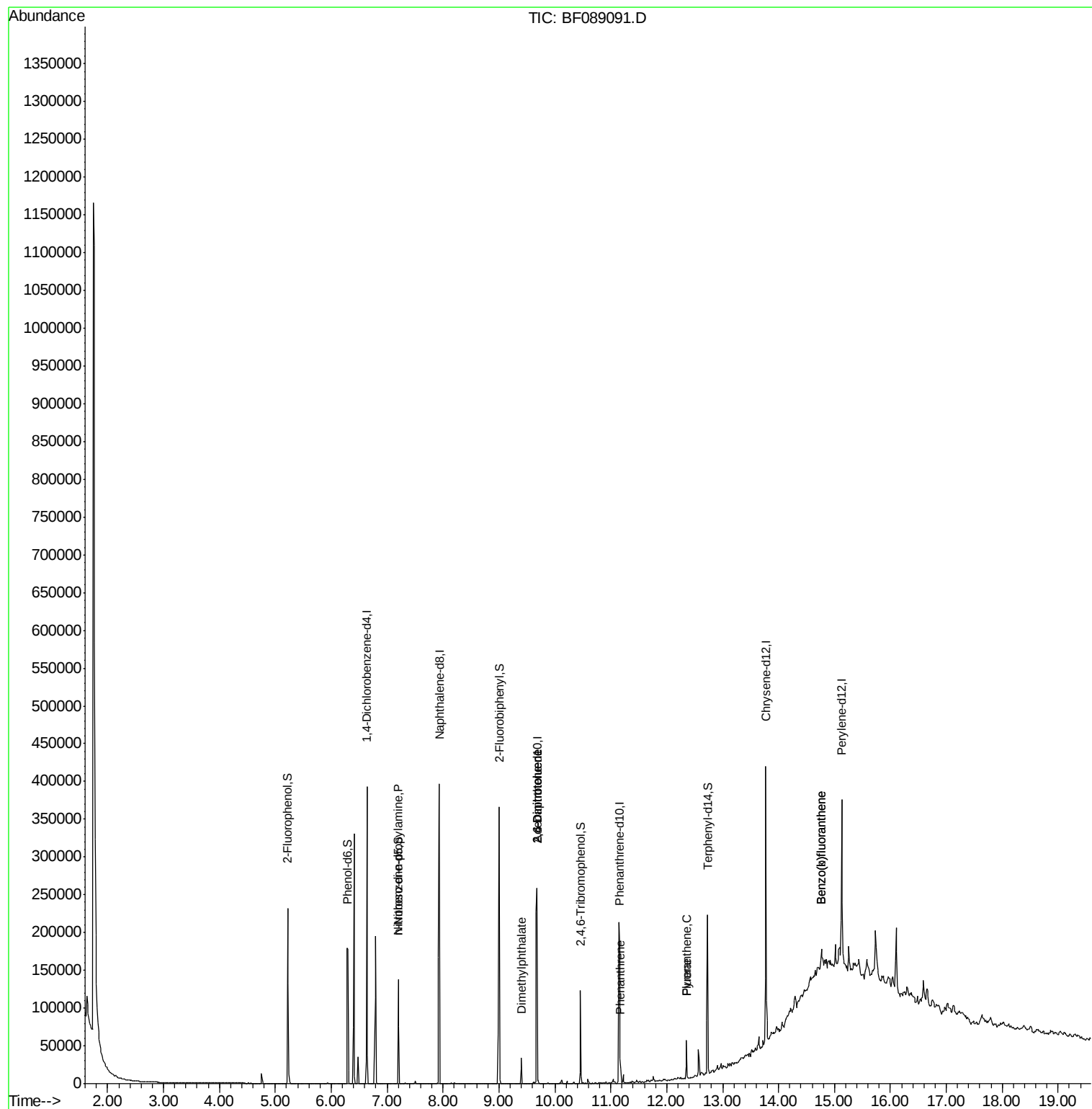
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.20	70	7068	2.36	ng	# 76
49) Dimethylphthalate	9.40	163	18528	3.66	ng	# 97
50) 2,6-Dinitrotoluene	9.68	165	8892	7.93	ng	# 37
56) 2,4-Dinitrotoluene	9.68	165	8892	6.07	ng	# 36
70) Phenanthrene	11.16	178	15639	2.66	ng	100
74) Fluoranthene	12.35	202	20647	3.46	ng	94
77) Pyrene	12.35	202	20647	2.37	ng	96
87) Benzo(b)fluoranthene	14.77	252	11495	2.21	ng	# 72
88) Benzo(k)fluoranthene	14.77	252	11495	2.53	ng	# 76

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.07 min

Lab File: BF089091.D

Acq: 18 Jul 2016 19:41

Instrument :

BNA_F

ClientSampleId :

M10-B2(4-8)C

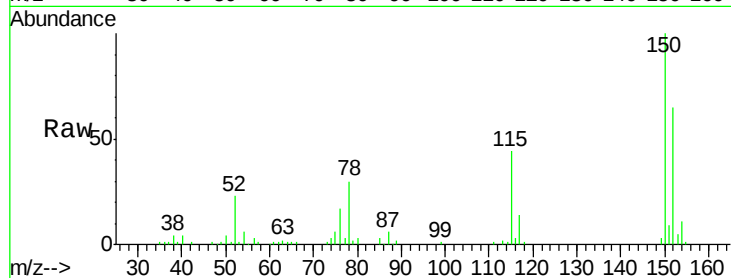
Tgt Ion:152 Resp: 51634

Ion Ratio Lower Upper

152 100

150 154.8 123.8 185.6

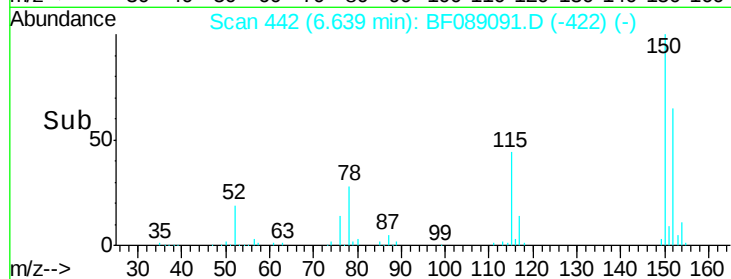
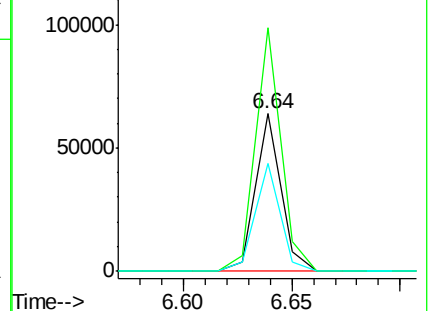
115 68.8 39.6 59.4#



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: 22.31 ng

RT: 5.22 min Scan# 318

Delta R.T. -0.07 min

Lab File: BF089091.D

Acq: 18 Jul 2016 19:41

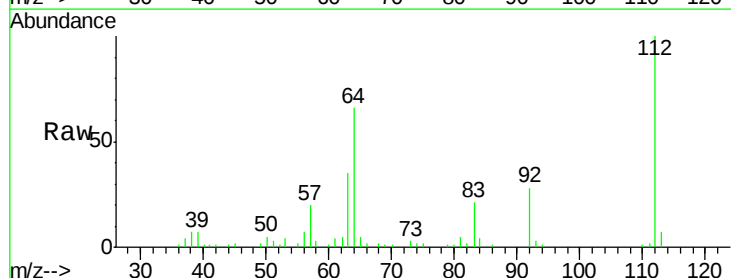
Tgt Ion:112 Resp: 76863

Ion Ratio Lower Upper

112 100

64 65.7 42.2 63.2#

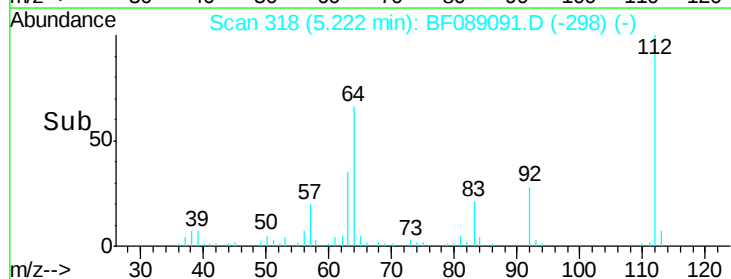
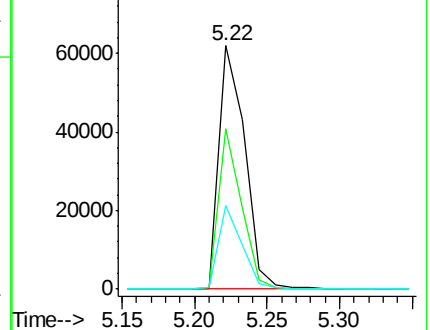
63 34.5 21.8 32.8#



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: 20.90 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF089091.D

Acq: 18 Jul 2016 19:41

Instrument :

BNA_F

ClientSampleId :

M10-B2(4-8)C

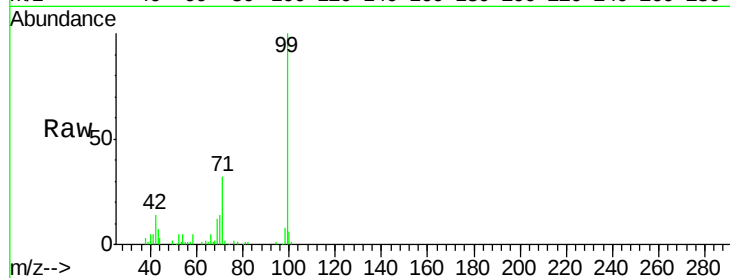
Tgt Ion: 99 Resp: 93026

Ion Ratio Lower Upper

99 100

42 13.5 12.2 18.2

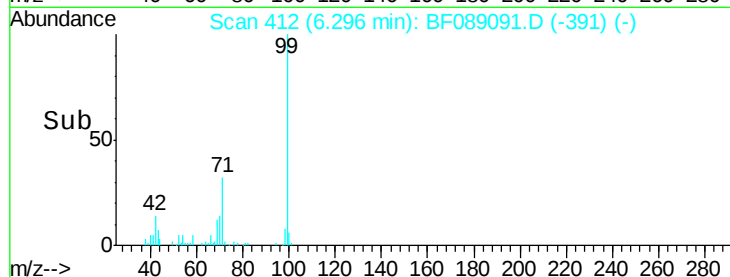
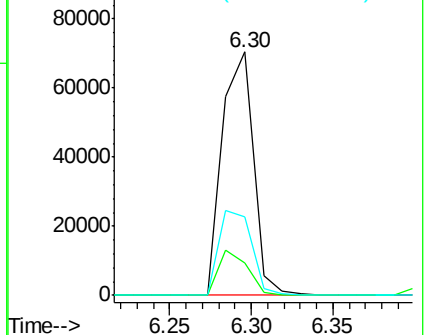
71 32.3 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.36 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.06 min

Lab File: BF089091.D

Acq: 18 Jul 2016 19:41

Tgt Ion: 70 Resp: 7068

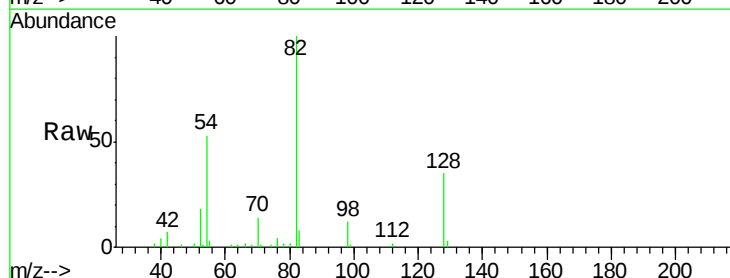
Ion Ratio Lower Upper

70 100

42 47.8 49.6 74.4#

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#

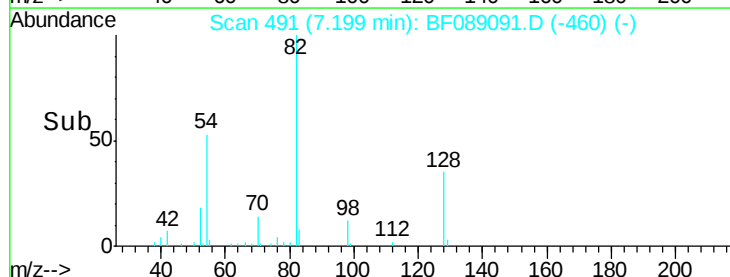
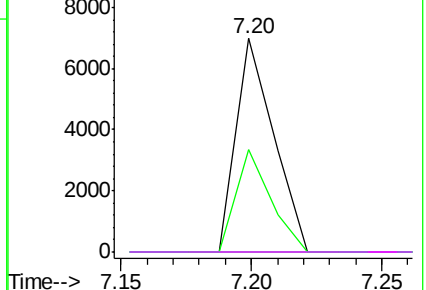


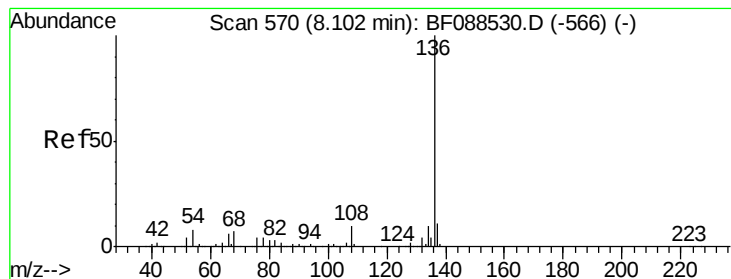
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.07 min

Lab File: BF089091.D

Acq: 18 Jul 2016 19:41

Instrument :

BNA_F

ClientSampleId :

M10-B2(4-8)C

Tgt Ion:136 Resp: 196196

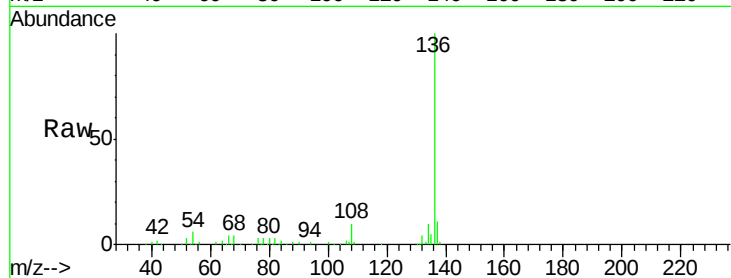
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.5 6.6 10.0#

68 4.5 5.1 7.7#

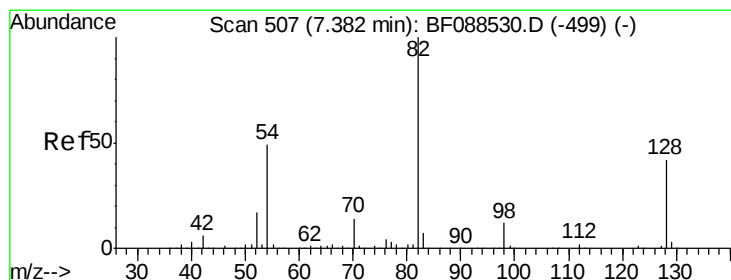
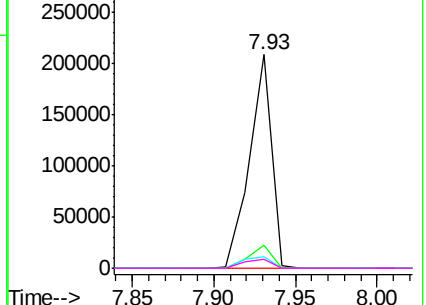
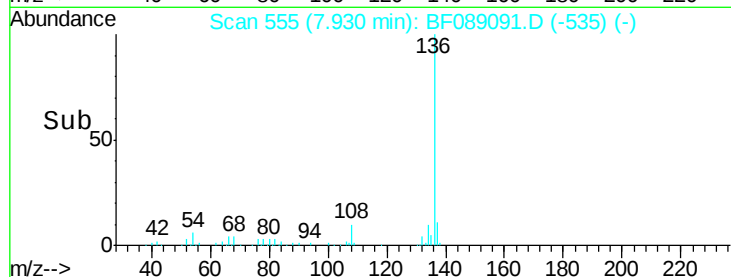


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.21 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.08 min

Lab File: BF089091.D

Acq: 18 Jul 2016 19:41

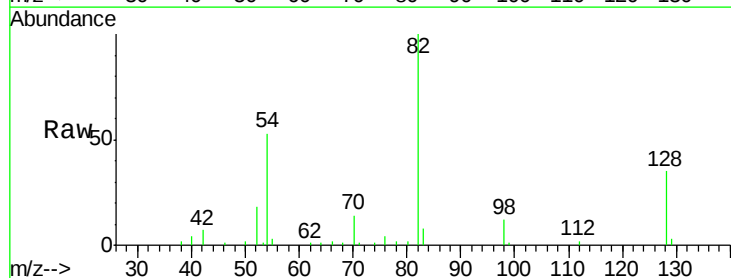
Tgt Ion: 82 Resp: 53182

Ion Ratio Lower Upper

82 100

128 34.9 35.9 53.9#

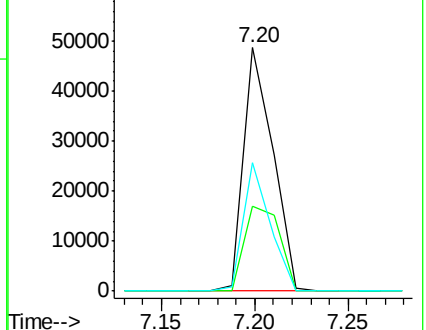
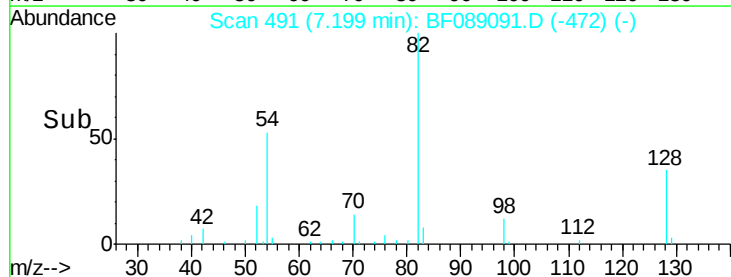
54 52.9 40.9 61.3

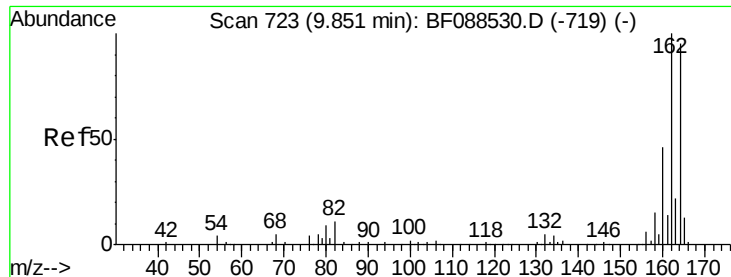


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

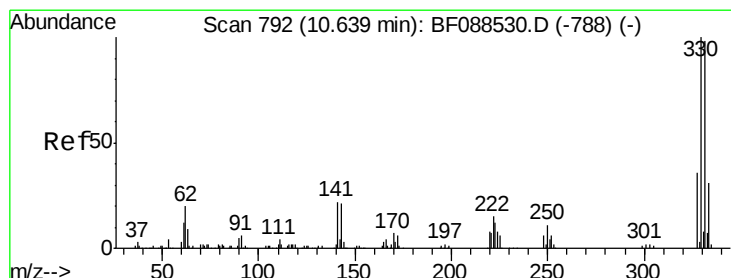
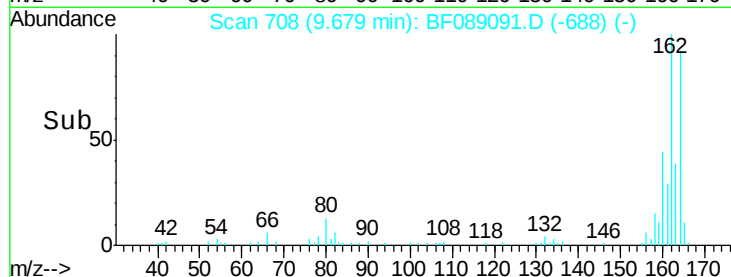
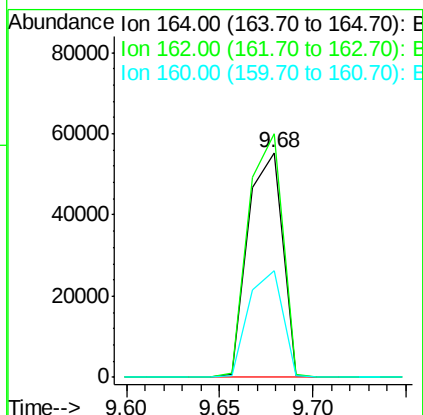
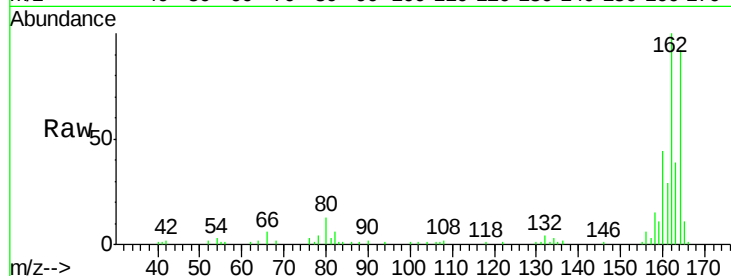




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.07 min
 Lab File: BF089091.D
 Acq: 18 Jul 2016 19:41

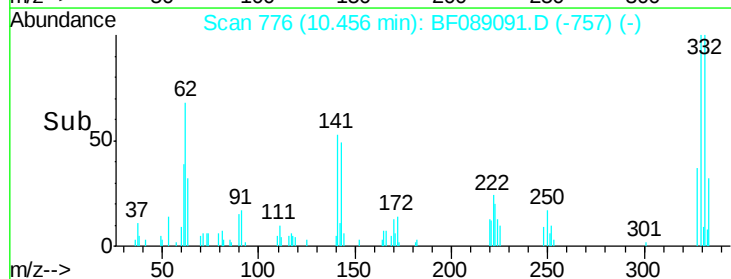
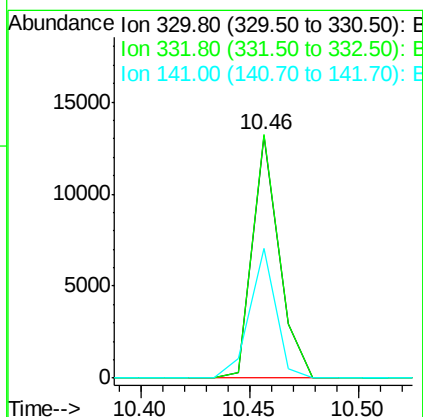
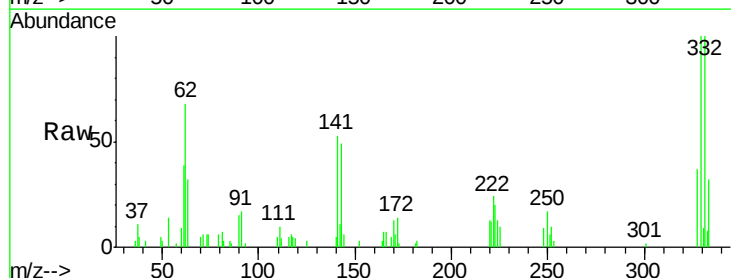
Instrument :
 BNA_F
 ClientSampleId :
 M10-B2(4-8)C

Tgt Ion:164 Resp: 70992
 Ion Ratio Lower Upper
 164 100
 162 108.2 85.4 128.2
 160 47.4 39.5 59.3



#41
 2,4,6-Tribromophenol
 Concen: 17.08 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.08 min
 Lab File: BF089091.D
 Acq: 18 Jul 2016 19:41

Tgt Ion:330 Resp: 11259
 Ion Ratio Lower Upper
 330 100
 332 100.3 0.0 0.0#
 141 52.5 0.0 0.0#

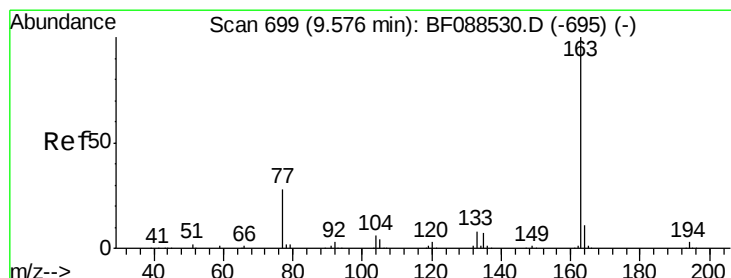
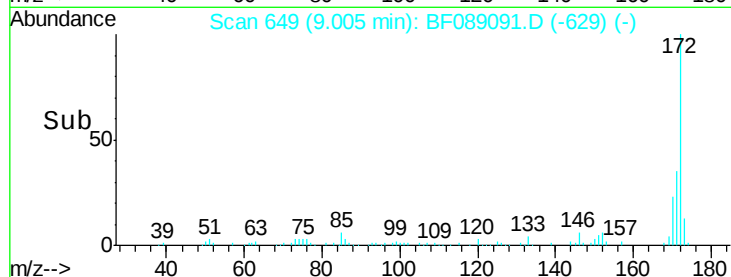
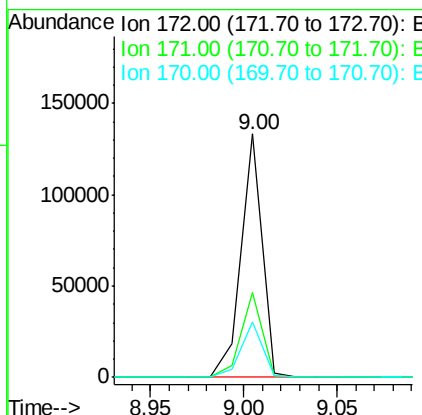
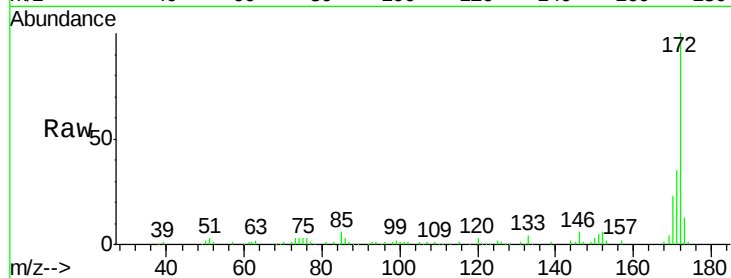




#44
 2-Fluorobiphenyl
 Concen: 23.60 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.07 min
 Lab File: BF089091.D
 Acq: 18 Jul 2016 19:41

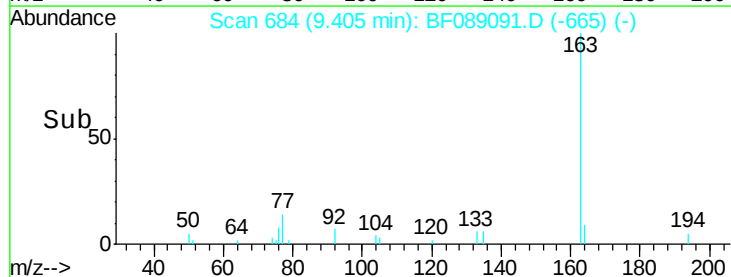
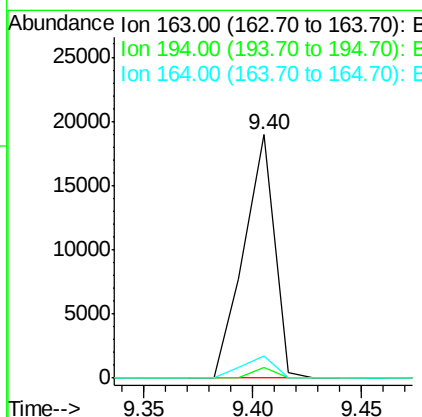
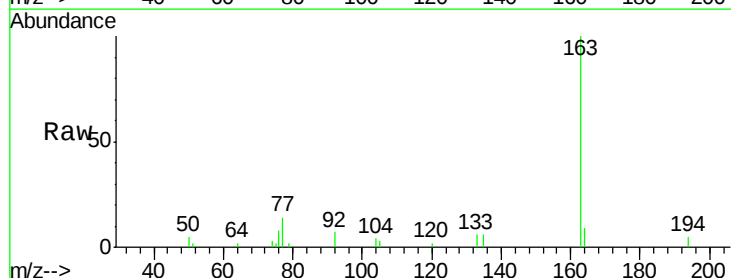
Instrument :
 BNA_F
 ClientSampleId :
 M10-B2(4-8)C

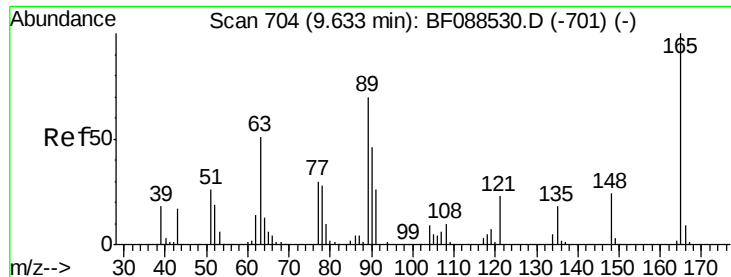
Tgt Ion:172 Resp: 106053
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.6 43.0
 170 23.0 19.2 28.8



#49
 Dimethylphthalate
 Concen: 3.66 ng
 RT: 9.40 min Scan# 684
 Delta R.T. -0.08 min
 Lab File: BF089091.D
 Acq: 18 Jul 2016 19:41

Tgt Ion:163 Resp: 18528
 Ion Ratio Lower Upper
 163 100
 194 4.5 2.8 4.2#
 164 9.3 8.3 12.5

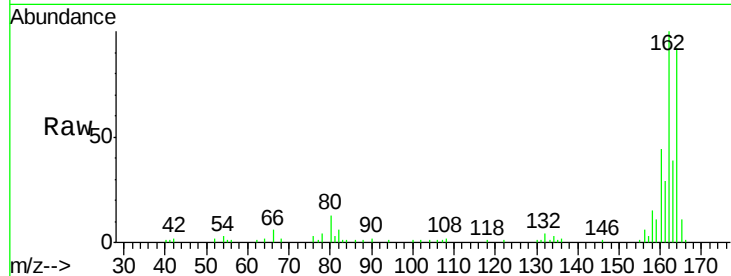




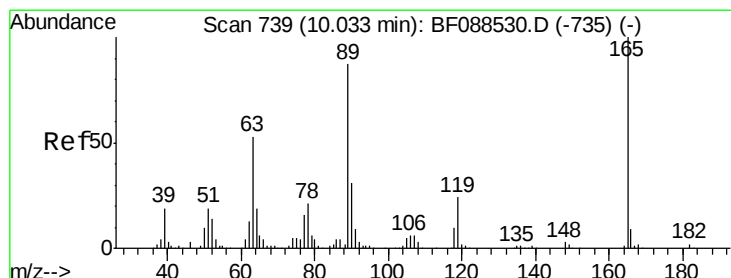
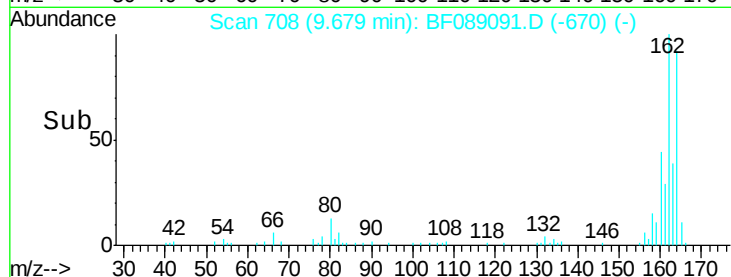
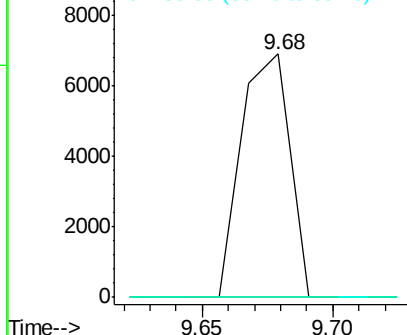
#50
 2,6-Dinitrotoluene
 Concen: 7.93 ng
 RT: 9.68 min Scan# 708
 Delta R.T. 0.14 min
 Lab File: BF089091.D
 Acq: 18 Jul 2016 19:41

Instrument :
 BNA_F
 ClientSampleId :
 M10-B2(4-8)C

Tgt Ion:165 Resp: 8892
 Ion Ratio Lower Upper
 165 100
 63 0.0 28.1 42.1#
 89 0.0 32.2 48.2#



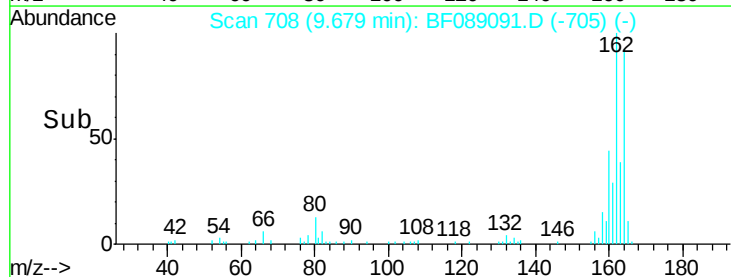
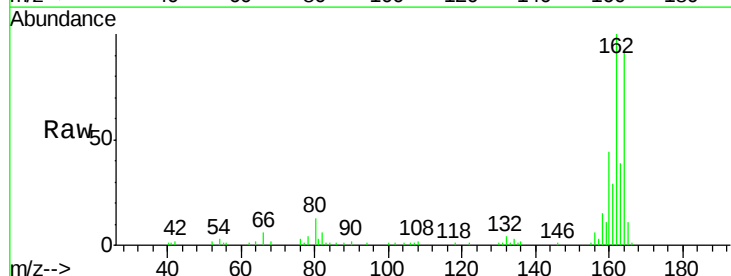
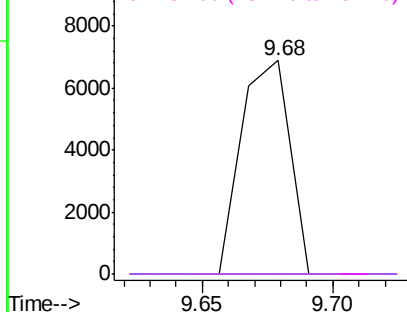
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.07 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.26 min
 Lab File: BF089091.D
 Acq: 18 Jul 2016 19:41

Tgt Ion:165 Resp: 8892
 Ion Ratio Lower Upper
 165 100
 63 0.0 22.0 33.0#
 89 0.0 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

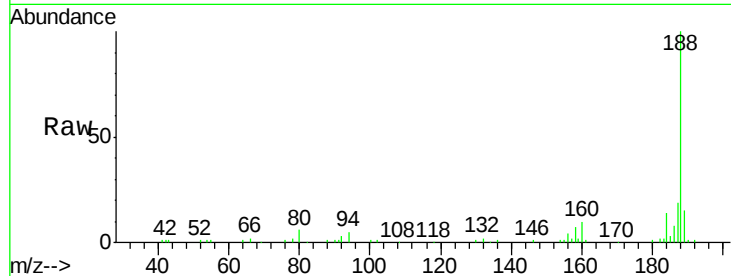




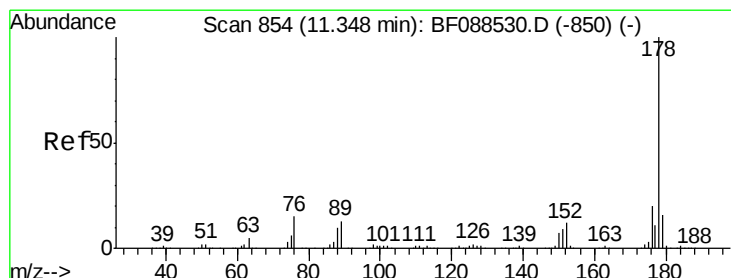
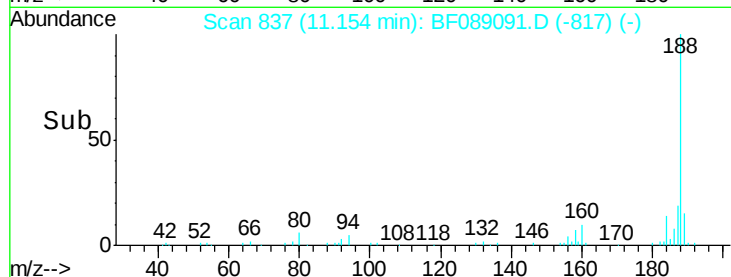
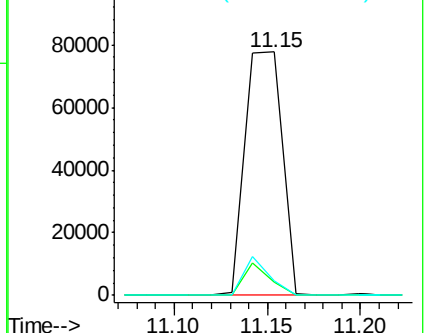
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.07 min
Lab File: BF089091.D
Acq: 18 Jul 2016 19:41

Instrument :
BNA_F
ClientSampleId :
M10-B2(4-8)C

Tgt Ion:188 Resp: 107576
Ion Ratio Lower Upper
188 100
94 5.2 9.0 13.6#
80 5.7 10.0 15.0#

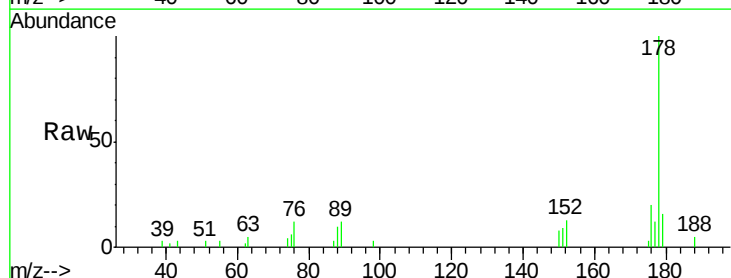


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

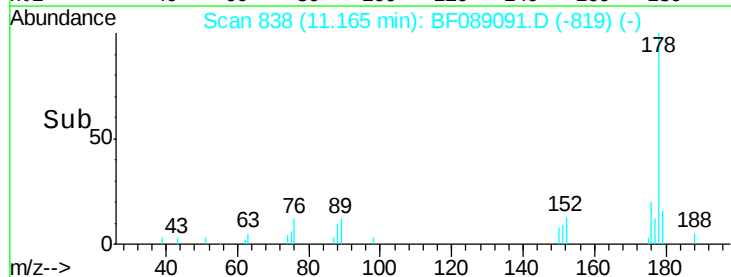
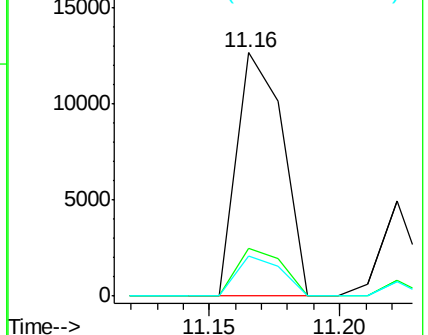


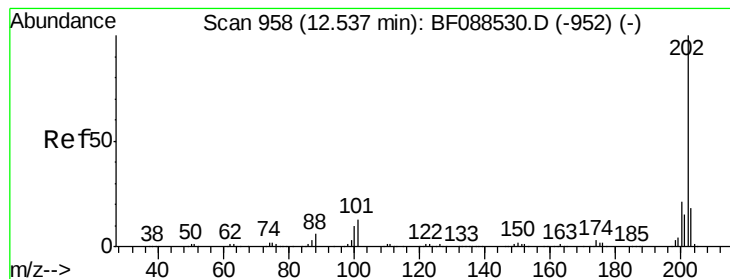
#70
Phenanthrene
Concen: 2.66 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.08 min
Lab File: BF089091.D
Acq: 18 Jul 2016 19:41

Tgt Ion:178 Resp: 15639
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 16.4 13.0 19.4



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





#74

Fluoranthene

Concen: 3.46 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.07 min

Lab File: BF089091.D

Acq: 18 Jul 2016 19:41

Instrument :

BNA_F

ClientSampleId :

M10-B2(4-8)C

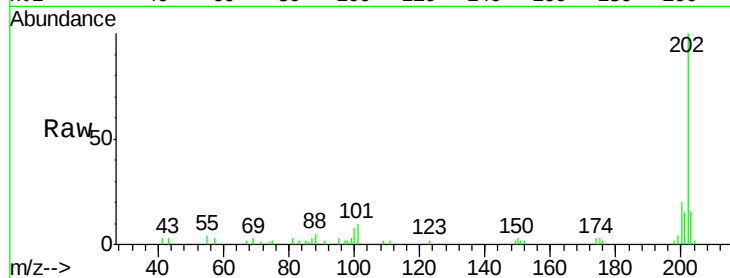
Tgt Ion: 202 Resp: 20647

Ion Ratio Lower Upper

202 100

101 9.5 0.0 33.1

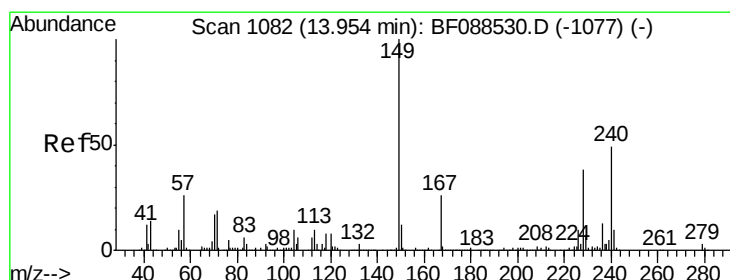
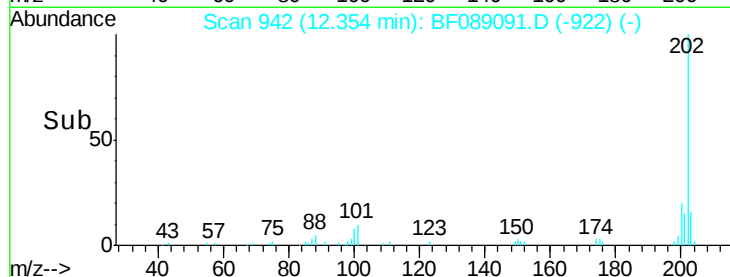
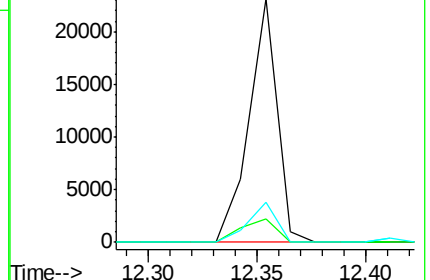
203 16.5 0.0 38.1



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: 13.77 min Scan# 1066

Delta R.T. -0.08 min

Lab File: BF089091.D

Acq: 18 Jul 2016 19:41

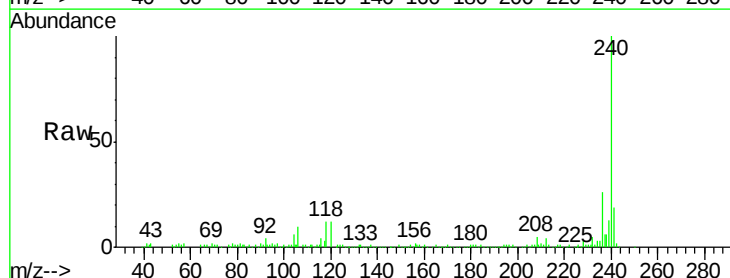
Tgt Ion: 240 Resp: 102620

Ion Ratio Lower Upper

240 100

120 12.5 6.8 10.2#

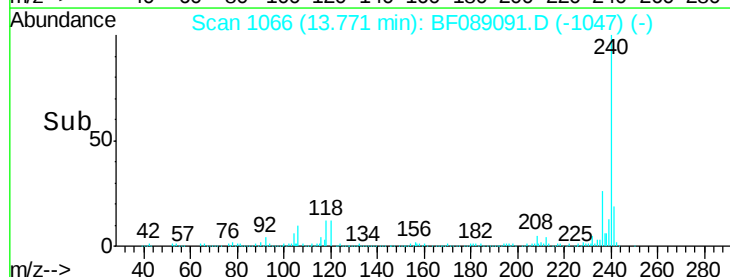
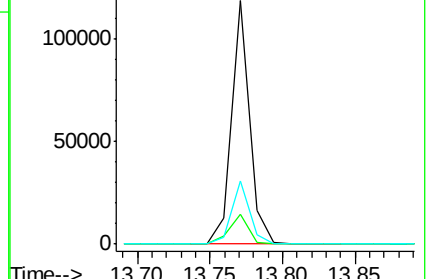
236 25.7 20.2 30.2

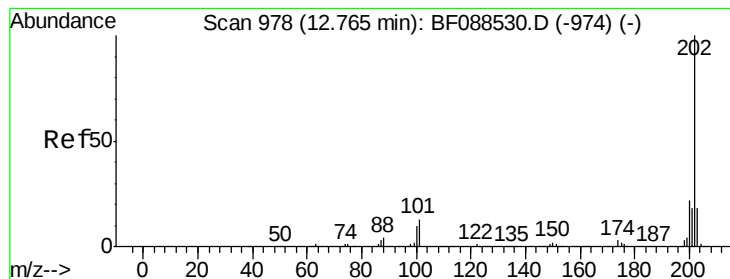


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.37 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.30 min

Lab File: BF089091.D

Acq: 18 Jul 2016 19:41

Instrument :

BNA_F

ClientSampleId :

M10-B2(4-8)C

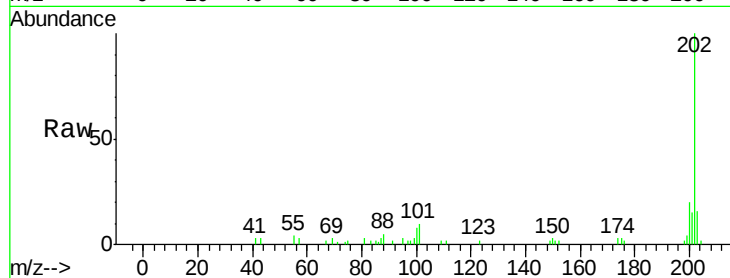
Tgt Ion: 202 Resp: 20647

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

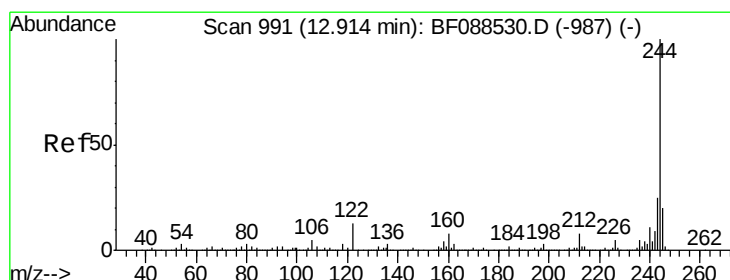
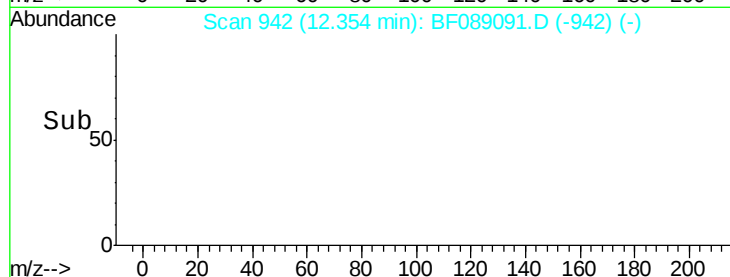
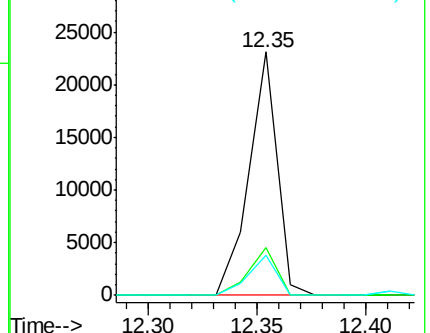
203 16.5 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 13.71 ng

RT: 12.73 min Scan# 975

Delta R.T. -0.07 min

Lab File: BF089091.D

Acq: 18 Jul 2016 19:41

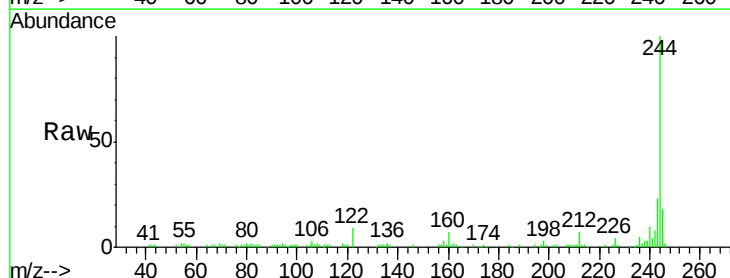
Tgt Ion: 244 Resp: 63156

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

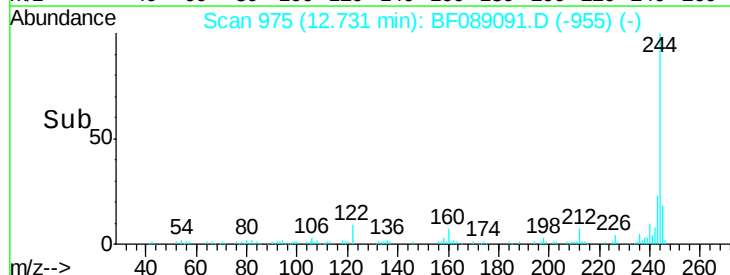
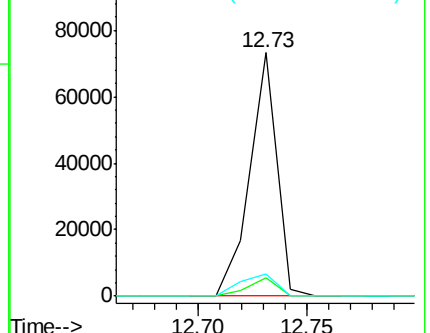
122 8.9 11.2 16.8#

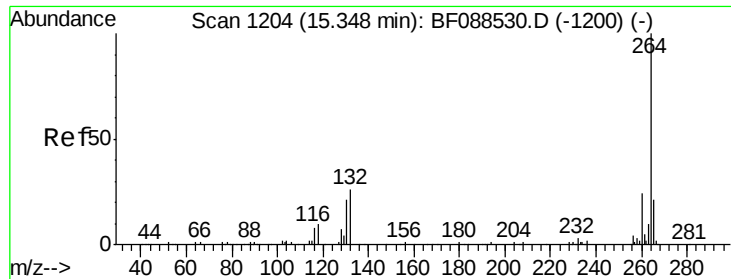


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



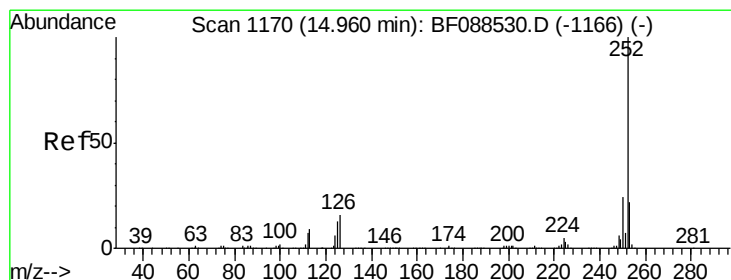
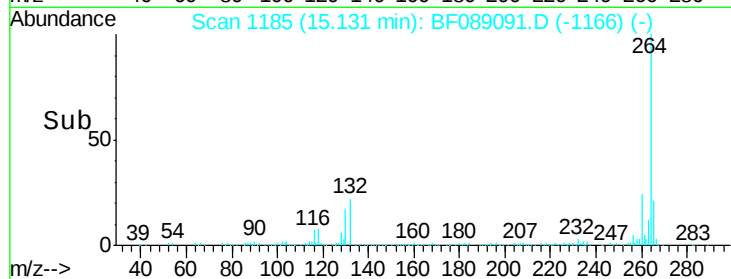
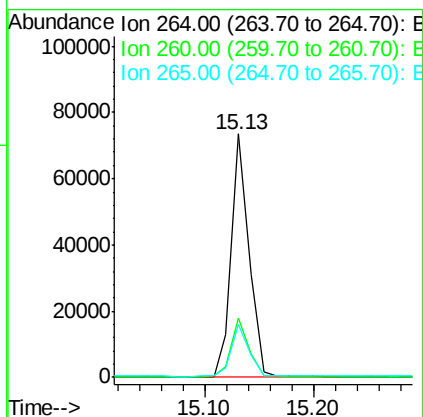
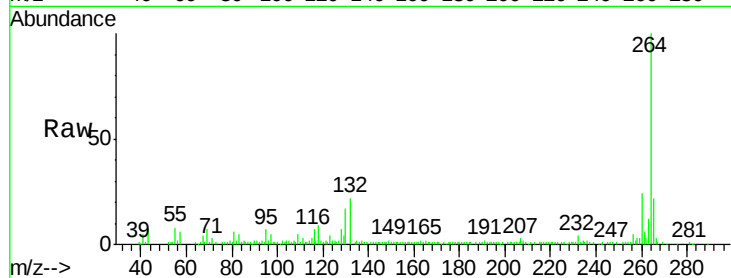


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.08 min
Lab File: BF089091.D
Acq: 18 Jul 2016 19:41

Instrument :
BNA_F
ClientSampleId :
M10-B2(4-8)C

Tgt Ion: 264 Resp: 83085

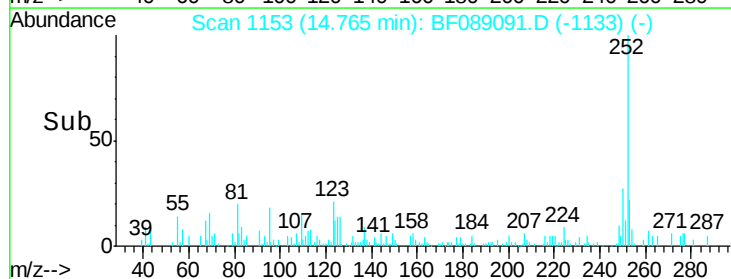
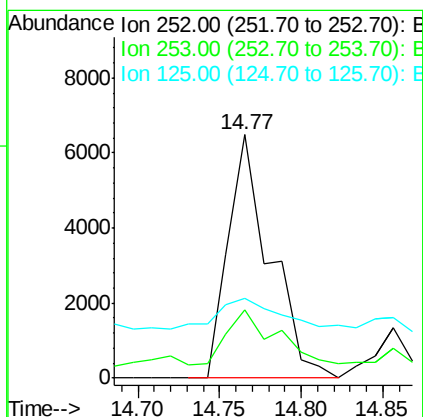
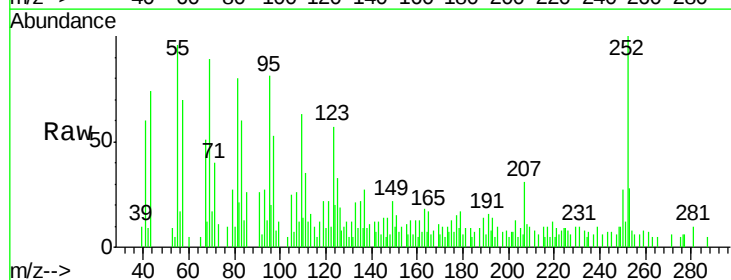
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.7	16.9	25.3

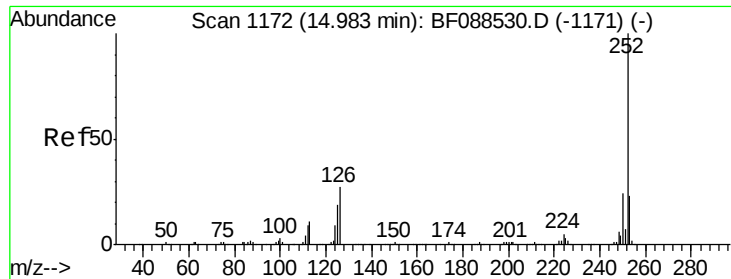


#87
Benzo(b)fluoranthene
Concen: 2.21 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF089091.D
Acq: 18 Jul 2016 19:41

Tgt Ion: 252 Resp: 11495

Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.4	26.2#
125	32.7	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 2.53 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.10 min

Lab File: BF089091.D

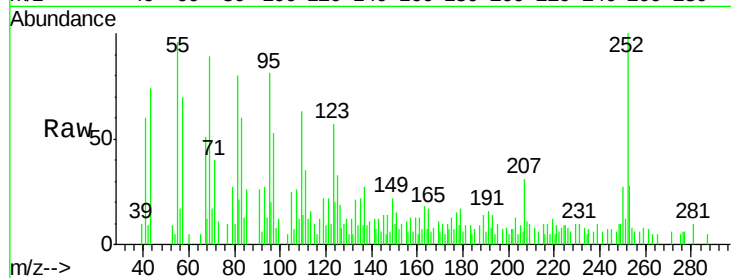
Acq: 18 Jul 2016 19:41

Instrument :

BNA_F

ClientSampleId :

M10-B2(4-8)C



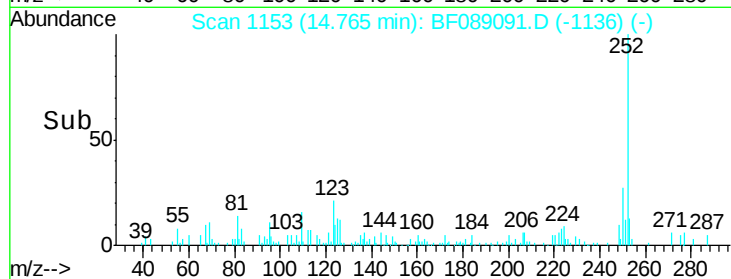
Tgt Ion: 252 Resp: 11495

Ion Ratio Lower Upper

252 100

253 27.8 18.0 27.0#

125 32.7 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

