

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089099.D
 Acq On : 18 Jul 2016 23:41
 Operator : UM/SJ
 Sample : H4045-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H10-B3(0-6)C

Quant Time: Jul 19 03:18:16 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	51250	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	201851	20.00	ng	-0.07
38) Acenaphthene-d10	9.68	164	80360	20.00	ng	-0.07
63) Phenanthrene-d10	11.15	188	132840	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	95773	20.00	ng	-0.08
86) Perylene-d12	15.13	264	70934	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	463705	135.60	ng	-0.05
7) Phenol-d6	6.31	99	599443	135.66	ng	-0.05
23) Nitrobenzene-d5	7.21	82	310790	80.69	ng	-0.07
41) 2,4,6-Tribromophenol	10.47	330	82813	110.98	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	475348	93.44	ng	-0.07
78) Terphenyl-d14	12.73	244	305064	70.95	ng	-0.07

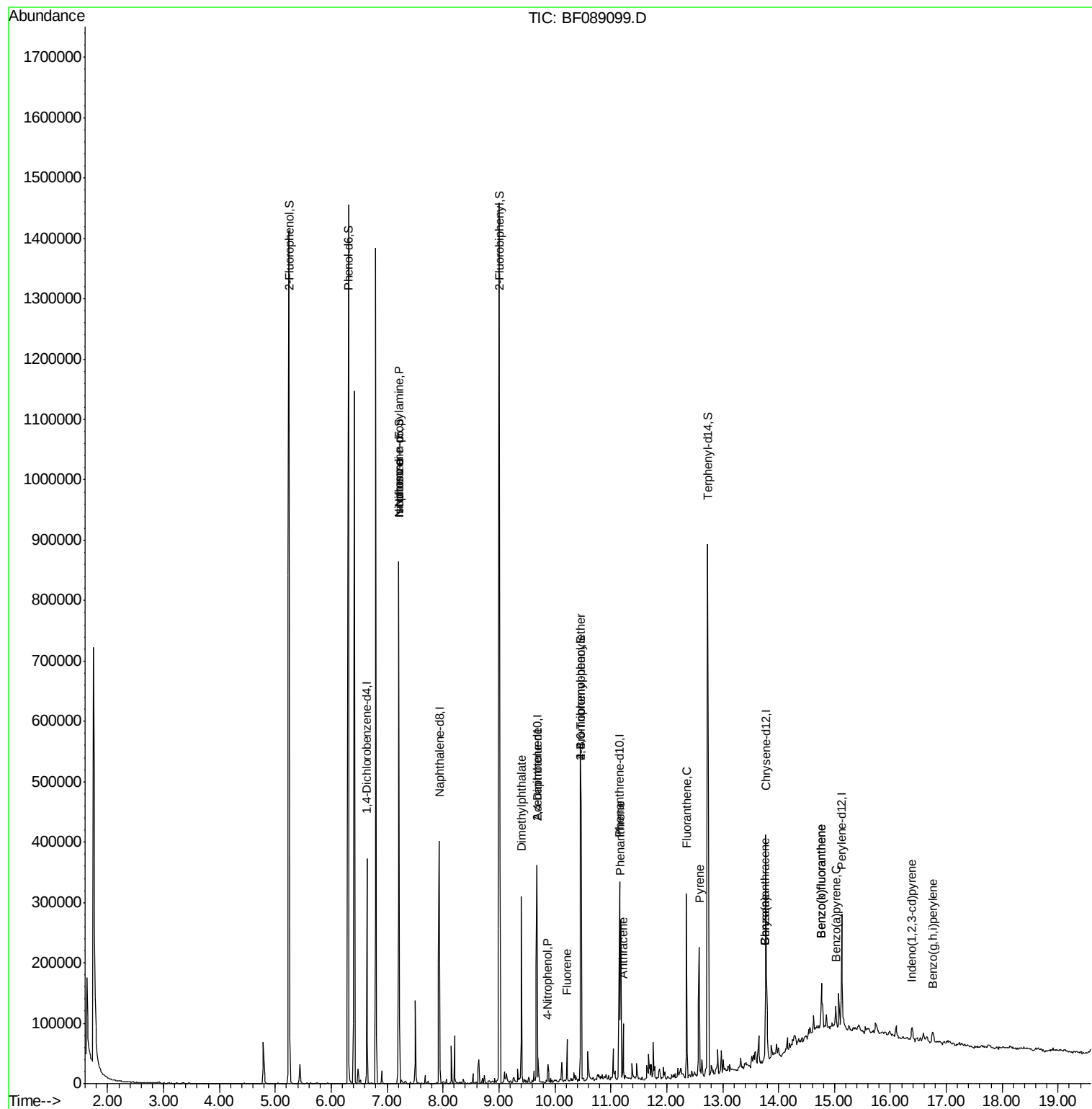
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.21	70	41986	14.15	ng	# 74
25) Isophorone	7.21	82	233684	32.75	ng	# 65
49) Dimethylphthalate	9.40	163	117086	20.45	ng	99
55) 4-Nitrophenol	9.87	139	4682	3.82	ng	# 5
56) 2,4-Dinitrotoluene	9.68	165	10645	6.42	ng	# 36
57) Fluorene	10.22	166	17188	3.34	ng	97
66) 4-Bromophenyl-phenylether	10.47	248	6315	4.72	ng	# 1
70) Phenanthrene	11.18	178	103346	14.23	ng	97
71) Anthracene	11.22	178	32817	4.55	ng	98
74) Fluoranthene	12.35	202	109211	14.84	ng	99
77) Pyrene	12.58	202	91764	11.30	ng	99
80) Benzo(a)anthracene	13.76	228	44461	7.21	ng	96
82) Chrysene	13.76	228	44461	7.29	ng	96
85) Indeno(1,2,3-cd)pyrene	16.39	276	11911	2.54	ng	# 100
87) Benzo(b)fluoranthene	14.77	252	45218	10.16	ng	# 92
88) Benzo(k)fluoranthene	14.77	252	45218	11.67	ng	97
89) Benzo(a)pyrene	15.03	252	16536	4.39	ng	94
91) Benzo(g,h,i)perylene	16.77	276	11402	3.50	ng	97

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

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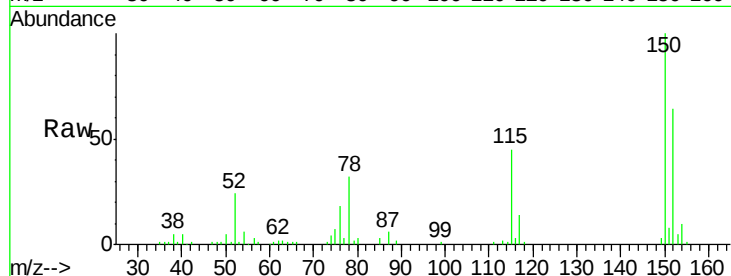




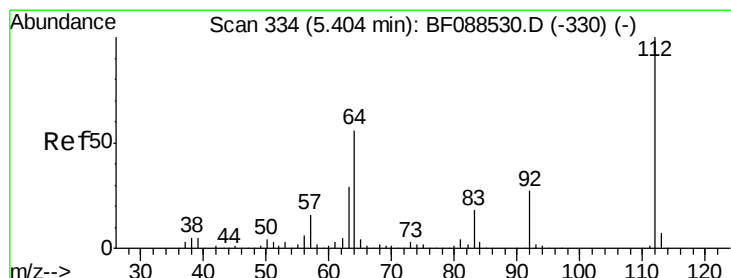
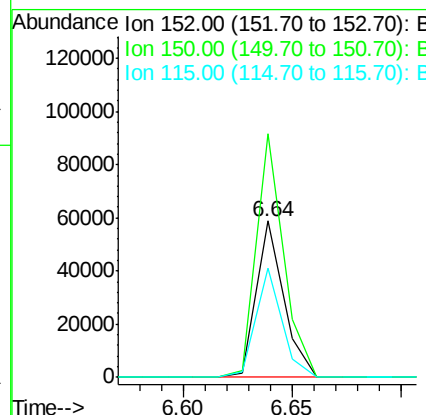
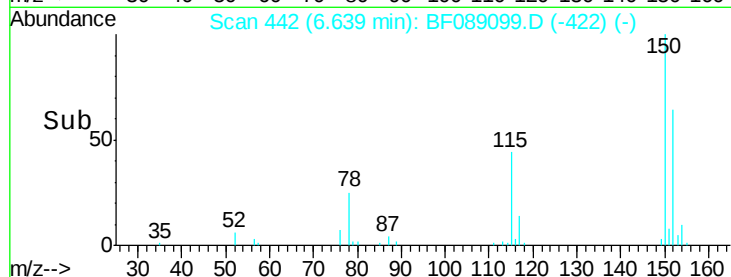
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.64 min Scan# 442
 Delta R.T. -0.07 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

Instrument :
 BNA_F
 ClientSampleId :
 H10-B3(0-6)C

Tgt Ion:152 Resp: 51250
 Ion Ratio Lower Upper
 152 100
 150 156.0 123.8 185.6
 115 70.0 39.6 59.4#

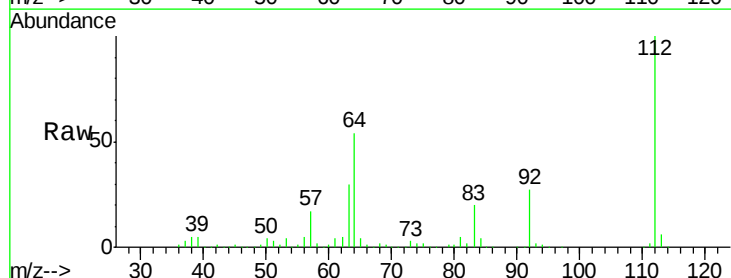


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

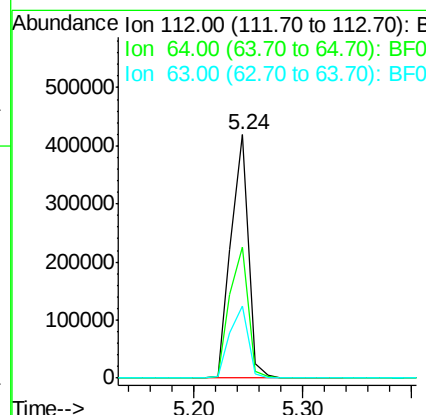
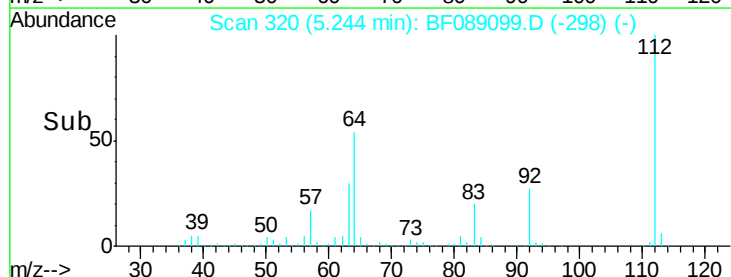


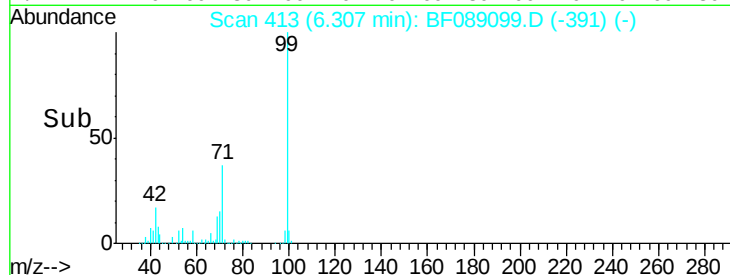
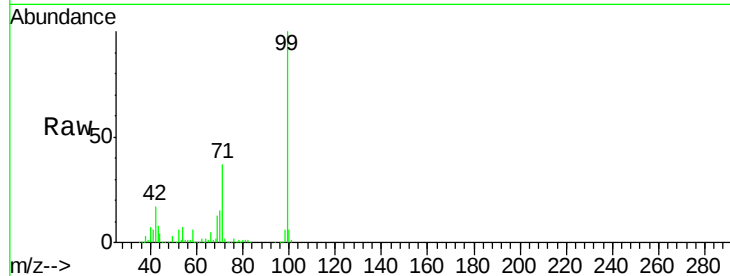
#5
 2-Fluorophenol
 Concen: 135.60 ng
 RT: 5.24 min Scan# 320
 Delta R.T. -0.05 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

Tgt Ion:112 Resp: 463705
 Ion Ratio Lower Upper
 112 100
 64 54.1 42.2 63.2
 63 29.7 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: 135.66 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

H10-B3(0-6)C

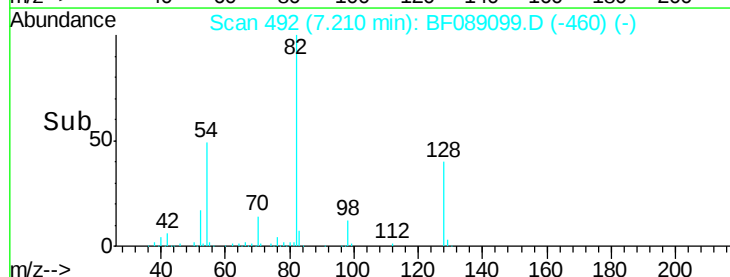
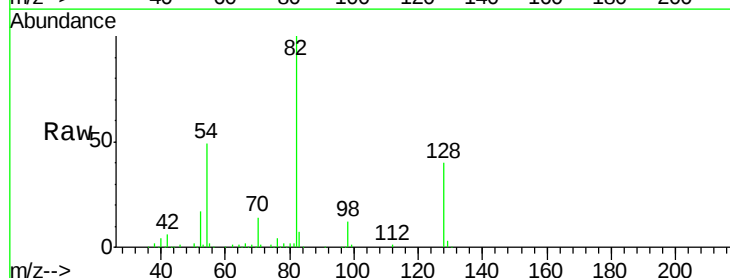
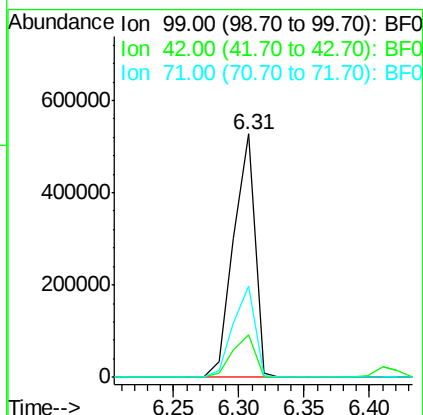
Tgt Ion: 99 Resp: 599443

Ion Ratio Lower Upper

99 100

42 17.3 12.2 18.2

71 37.4 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 14.15 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.07 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Tgt Ion: 70 Resp: 41986

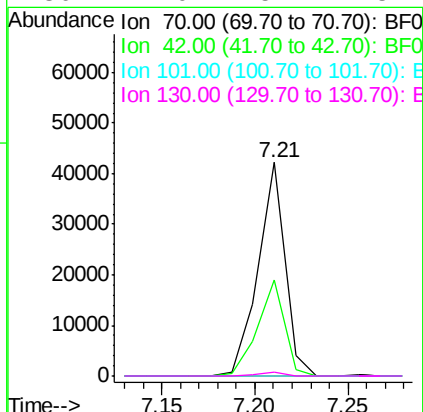
Ion Ratio Lower Upper

70 100

42 45.0 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#

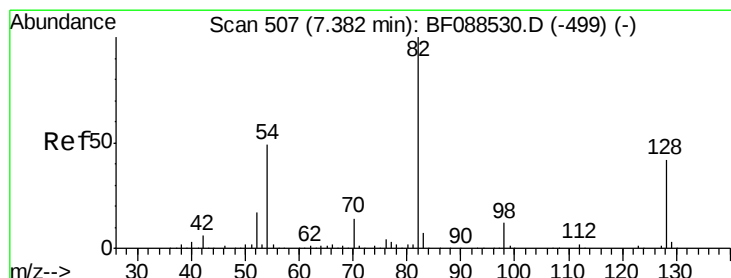
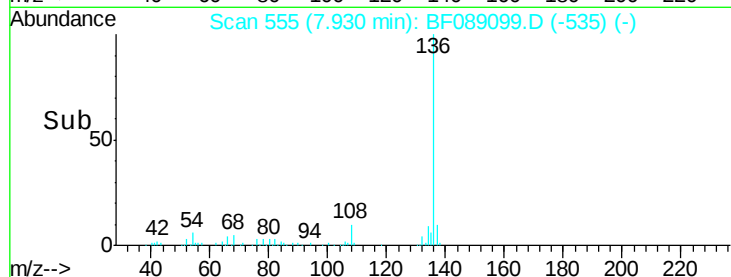
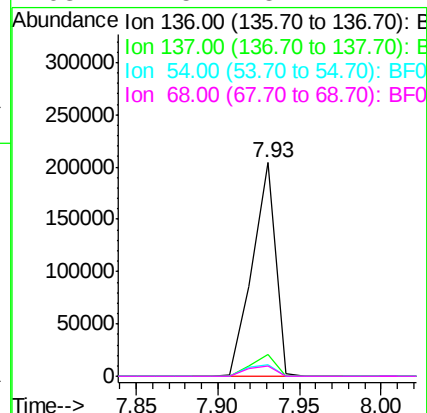
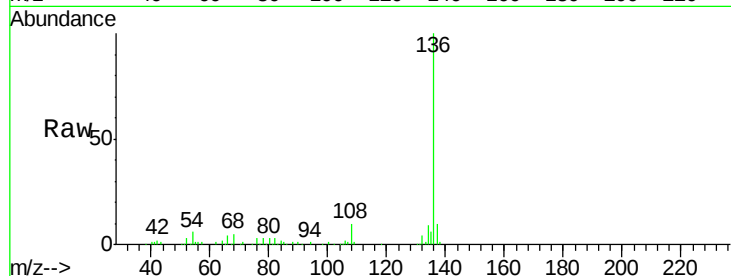




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.07 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

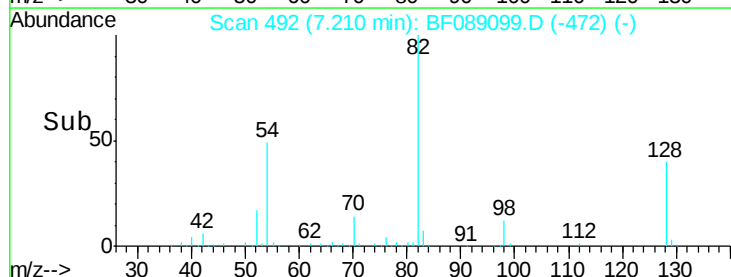
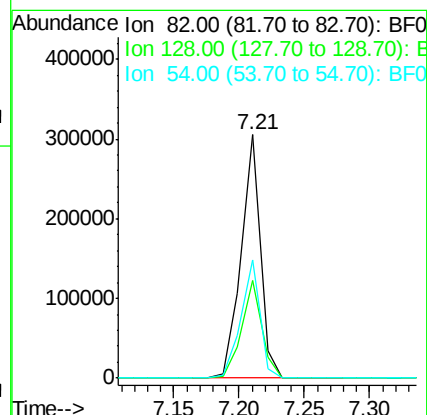
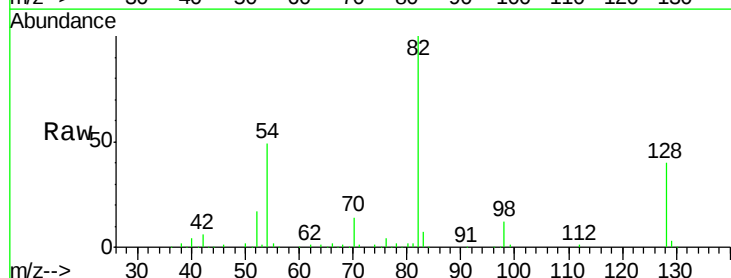
Instrument :
BNA_F
ClientSampleId :
H10-B3(0-6)C

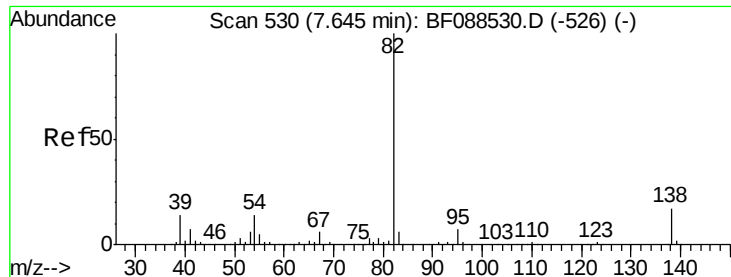
Tgt Ion:	136	Resp:	201851
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	5.6	6.6	10.0#
68	4.5	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 80.69 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.07 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Tgt Ion:	82	Resp:	310790
Ion	Ratio	Lower	Upper
82	100		
128	39.9	35.9	53.9
54	48.8	40.9	61.3





#25

Isophorone

Concen: 32.75 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.33 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

H10-B3(0-6)C

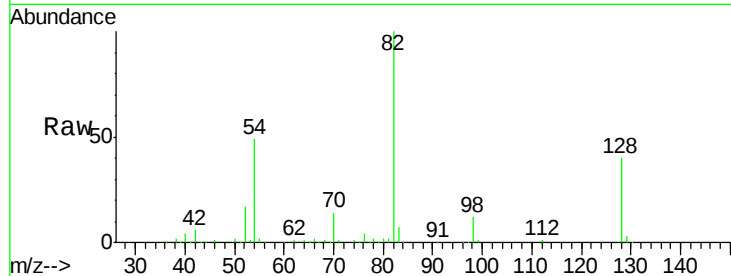
Tgt Ion: 82 Resp: 233684

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#

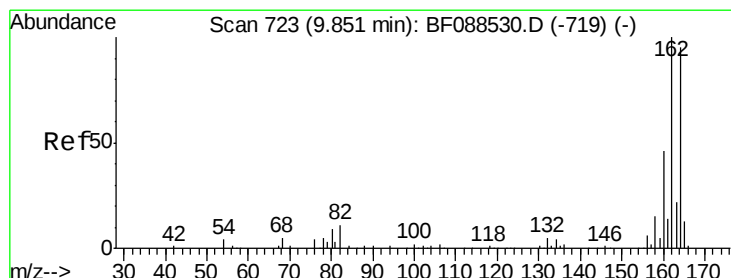
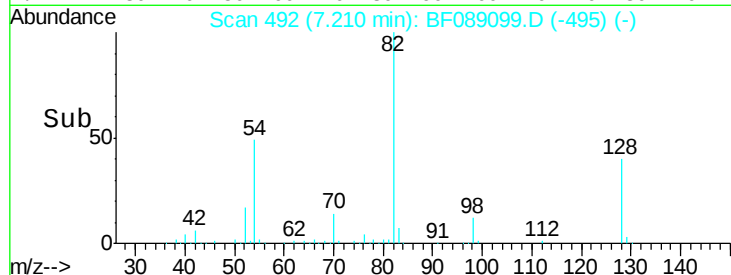


Abundance Ion 82.00 (81.70 to 82.70): BF088530.D (-526) (-)

Ion 95.00 (94.70 to 95.70): BF088530.D (-526) (-)

Ion 138.00 (137.70 to 138.70): BF088530.D (-526) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.07 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

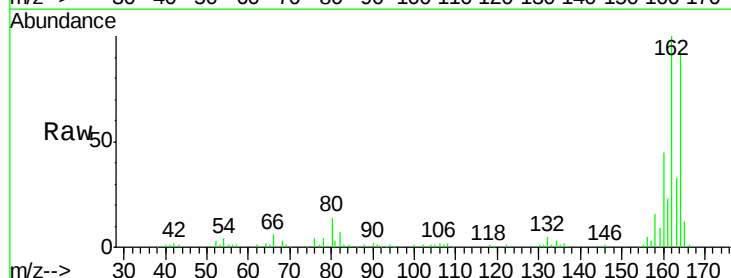
Tgt Ion: 164 Resp: 80360

Ion Ratio Lower Upper

164 100

162 109.1 85.4 128.2

160 49.4 39.5 59.3

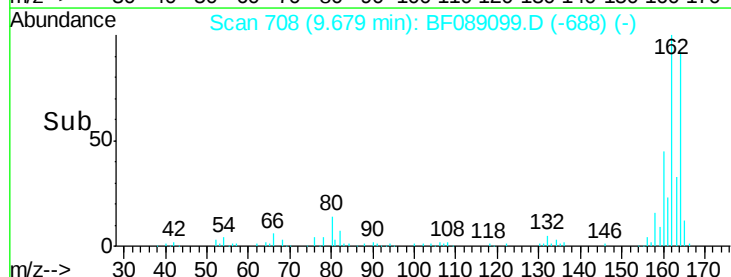


Abundance Ion 164.00 (163.70 to 164.70): BF088530.D (-719) (-)

Ion 162.00 (161.70 to 162.70): BF088530.D (-719) (-)

Ion 160.00 (159.70 to 160.70): BF088530.D (-719) (-)

Time-->

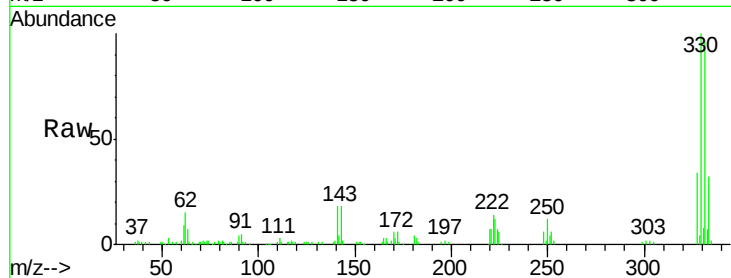




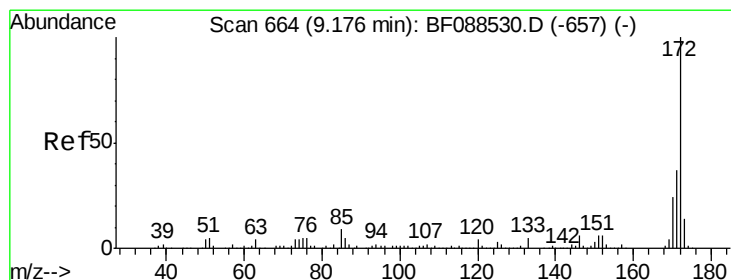
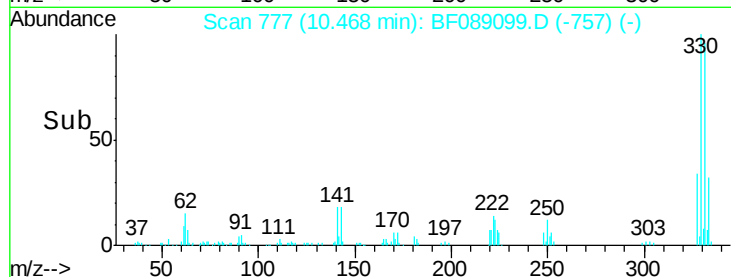
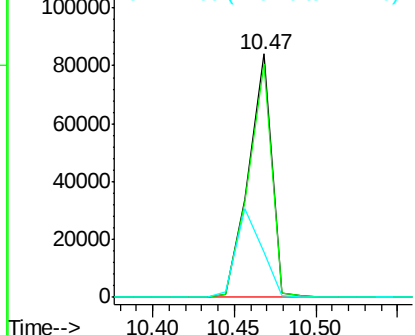
#41
 2,4,6-Tribromophenol
 Concen: 110.98 ng
 RT: 10.47 min Scan# 777
 Delta R.T. -0.07 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

Instrument :
 BNA_F
 ClientSampled :
 H10-B3(0-6)C

Tgt Ion:330 Resp: 82813
 Ion Ratio Lower Upper
 330 100
 332 96.4 0.0 0.0#
 141 40.4 0.0 0.0#

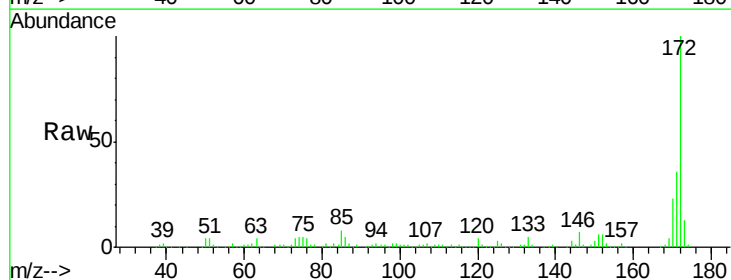


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

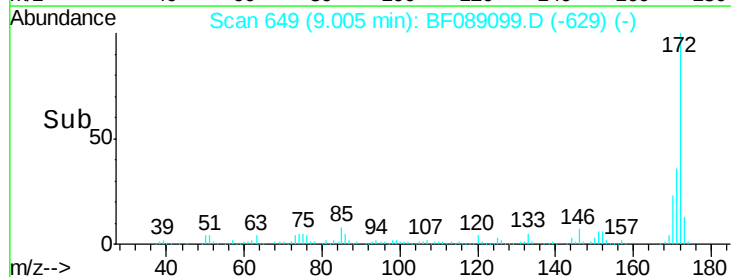
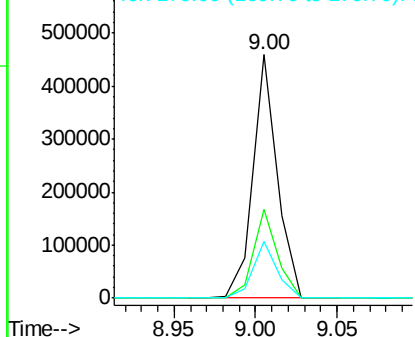


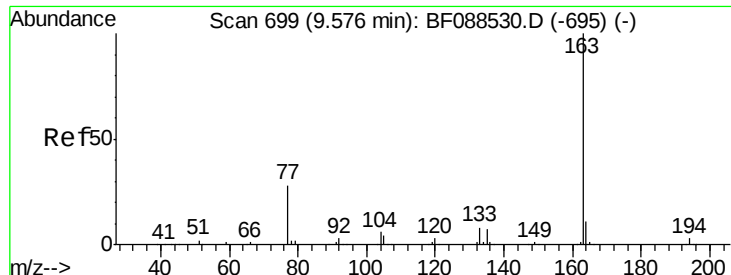
#44
 2-Fluorobiphenyl
 Concen: 93.44 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.07 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

Tgt Ion:172 Resp: 475348
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.6 43.0
 170 23.3 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

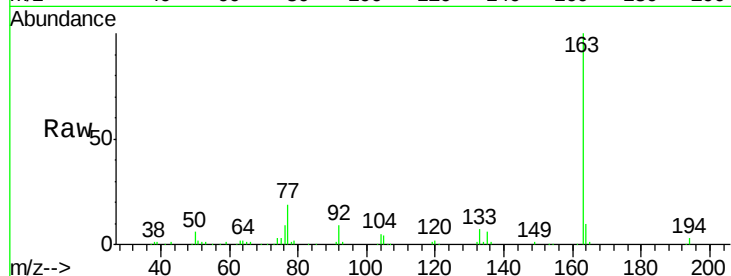




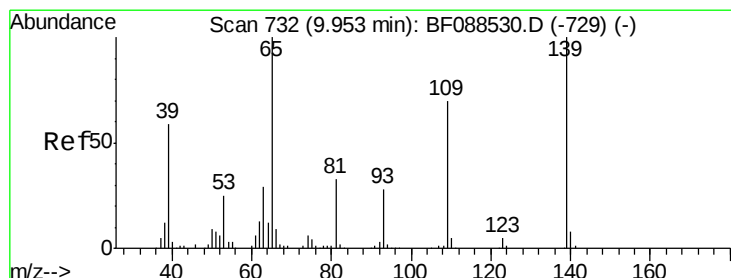
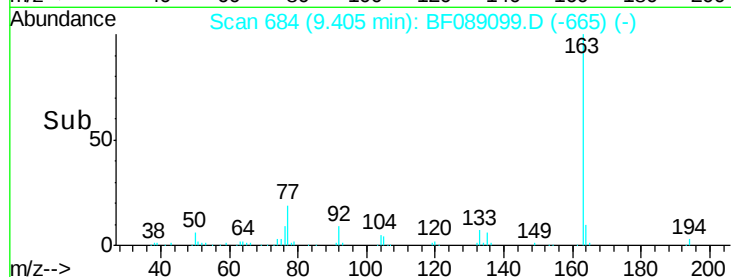
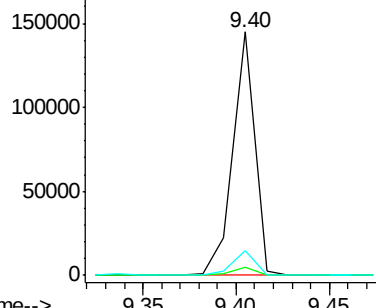
#49
Dimethylphthalate
Concen: 20.45 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.08 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Instrument :
BNA_F
ClientSampleId :
H10-B3(0-6)C

Tgt Ion:163 Resp: 117086
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.0 8.3 12.5

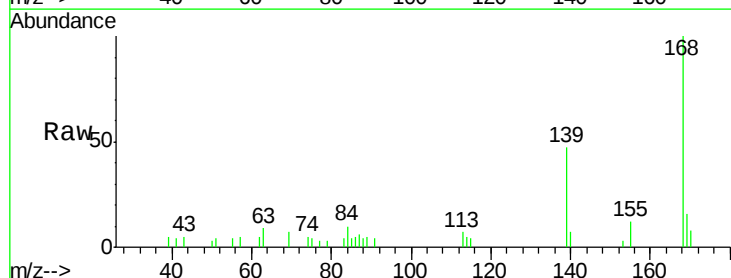


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

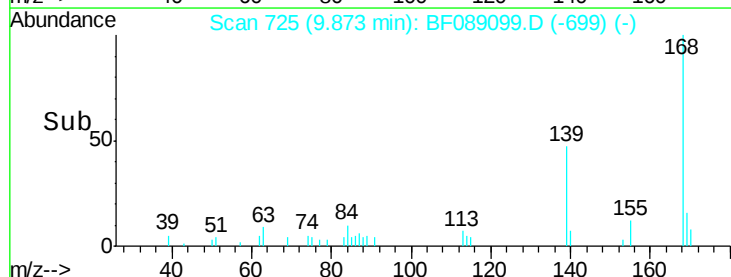
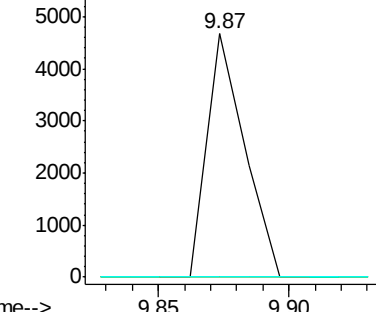


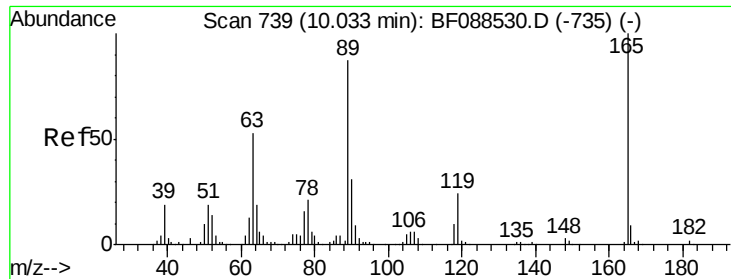
#55
4-Nitrophenol
Concen: 3.82 ng
RT: 9.87 min Scan# 725
Delta R.T. 0.00 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Tgt Ion:139 Resp: 4682
Ion Ratio Lower Upper
139 100
109 0.0 48.9 88.9#
65 0.0 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

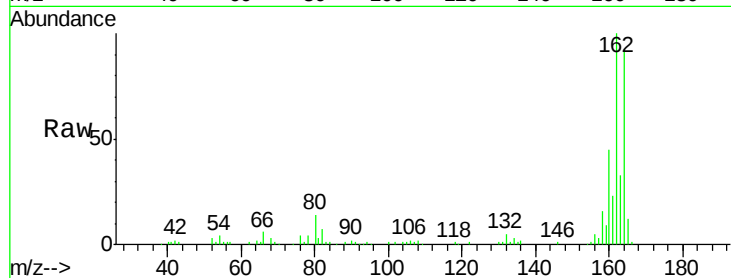




#56
2,4-Dinitrotoluene
Concen: 6.42 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.26 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Instrument :
BNA_F
ClientSampleId :
H10-B3(0-6)C

Tgt 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#

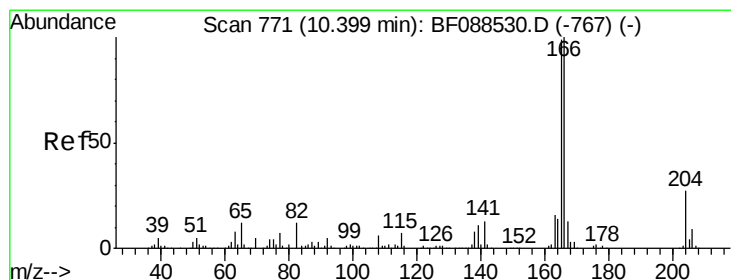
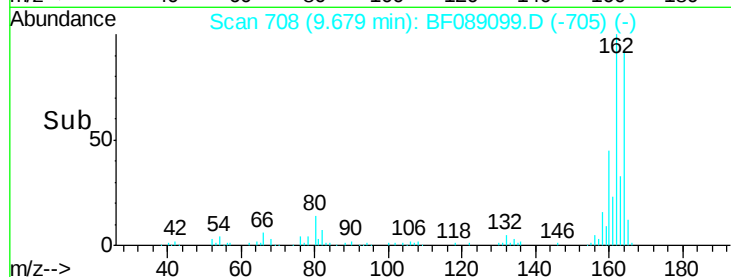
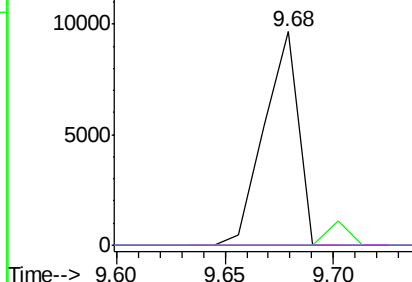


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

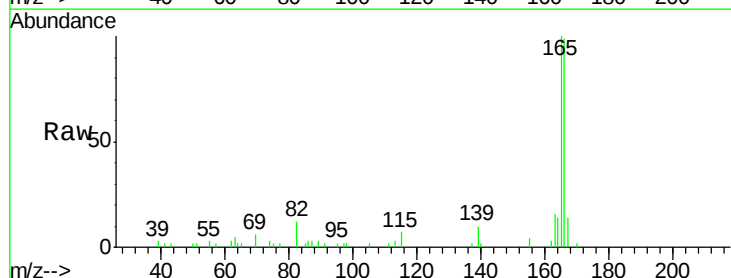
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 3.34 ng
RT: 10.22 min Scan# 755
Delta R.T. -0.08 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

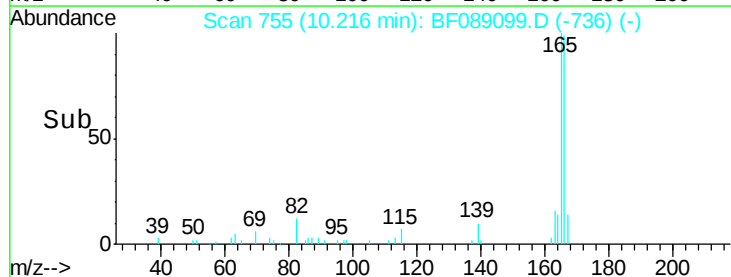
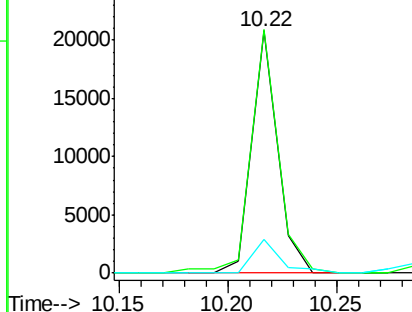
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.6	77.8	116.8
167	13.9	11.2	16.8

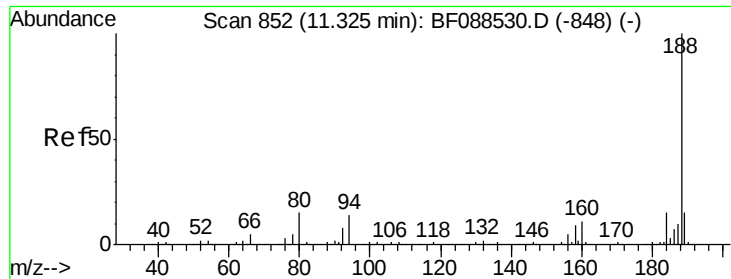


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

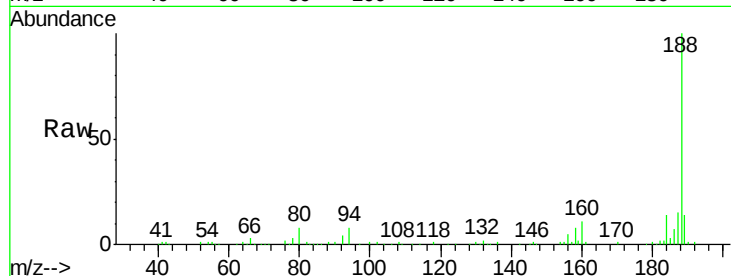




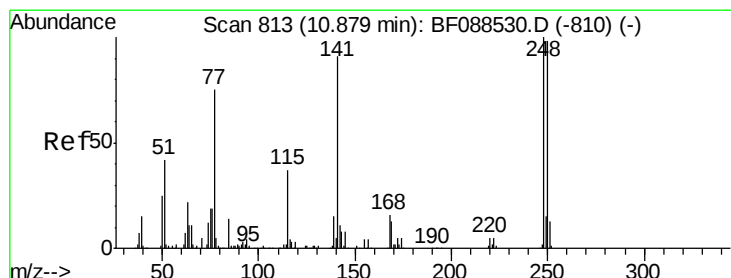
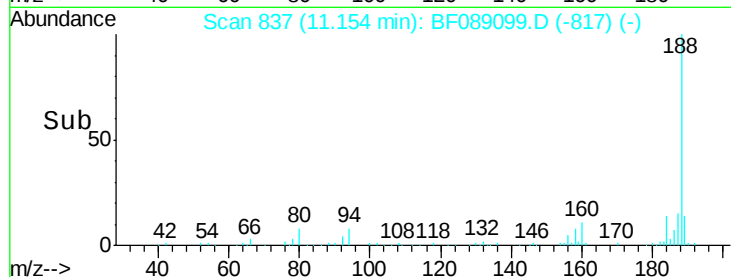
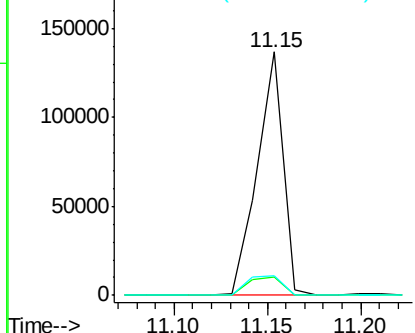
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.07 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Instrument :
BNA_F
ClientSampleId :
H10-B3(0-6)C

Tgt Ion:188 Resp: 132840
Ion Ratio Lower Upper
188 100
94 7.6 9.0 13.6#
80 7.9 10.0 15.0#

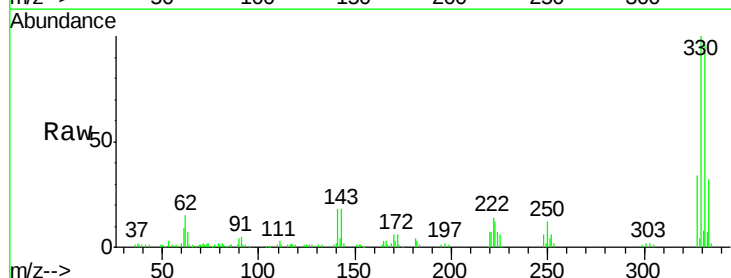


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

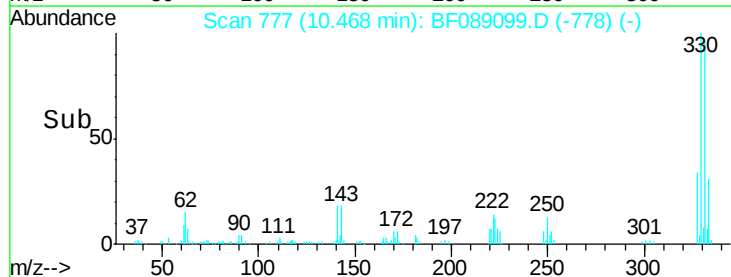
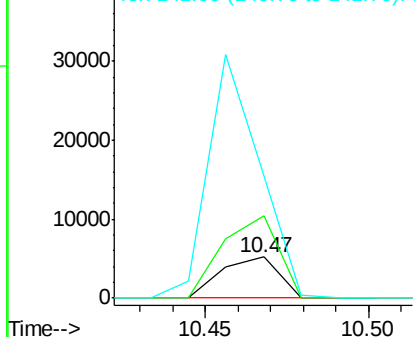


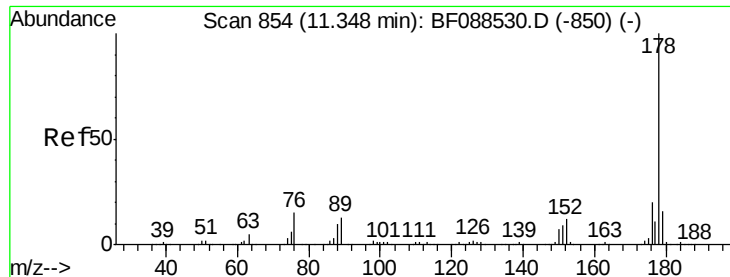
#66
4-Bromophenyl-phenylether
Concen: 4.72 ng
RT: 10.47 min Scan# 777
Delta R.T. -0.31 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Tgt Ion:248 Resp: 6315
Ion Ratio Lower Upper
248 100
250 201.1 77.1 115.7#
141 297.1 50.6 76.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

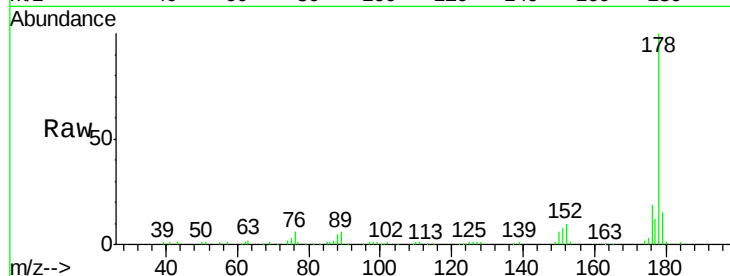




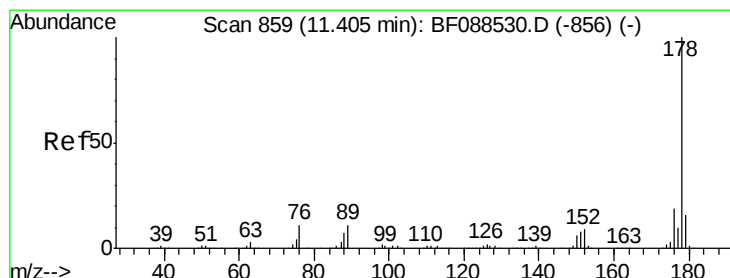
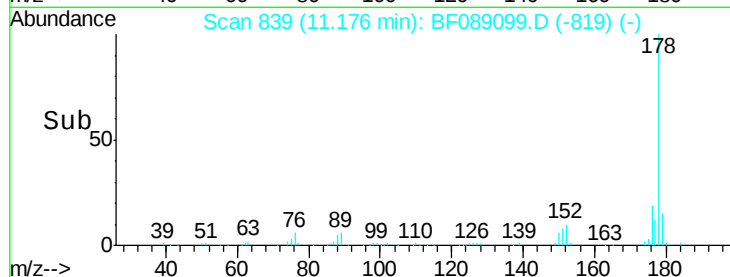
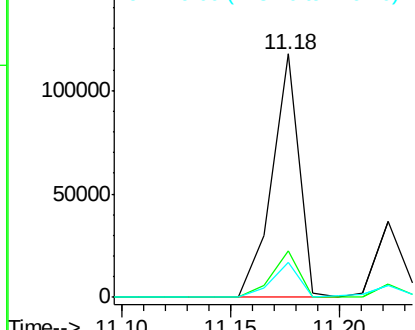
#70
Phenanthrene
Concen: 14.23 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.07 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Instrument :
BNA_F
ClientSampleId :
H10-B3(0-6)C

Tgt Ion:178 Resp: 103346
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 14.6 13.0 19.4

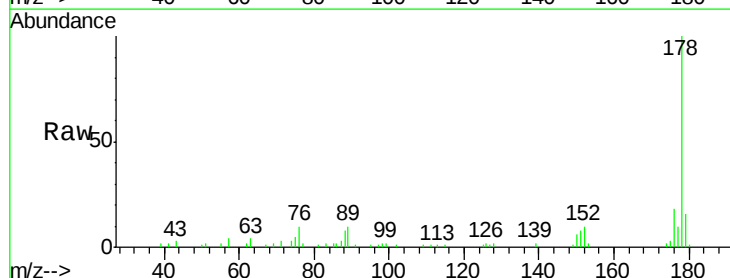


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

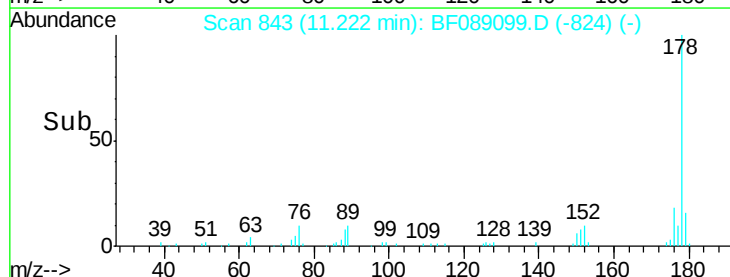
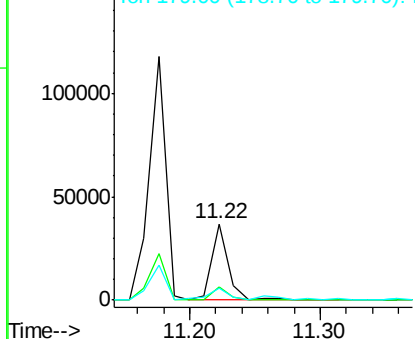


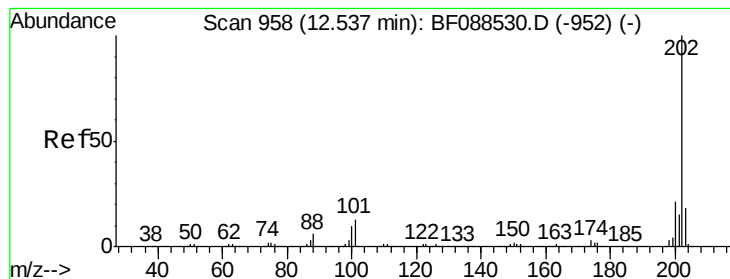
#71
Anthracene
Concen: 4.55 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.08 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Tgt Ion:178 Resp: 32817
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.9 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 14.84 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.07 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

H10-B3(0-6)C

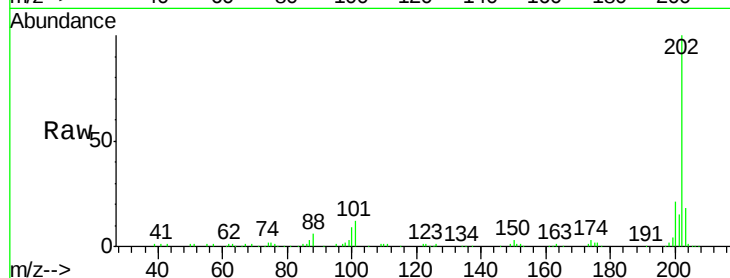
Tgt Ion: 202 Resp: 109211

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.1

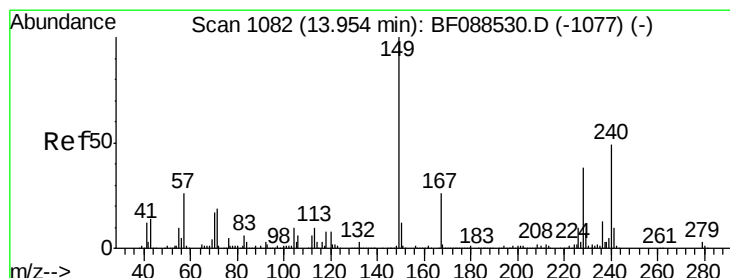
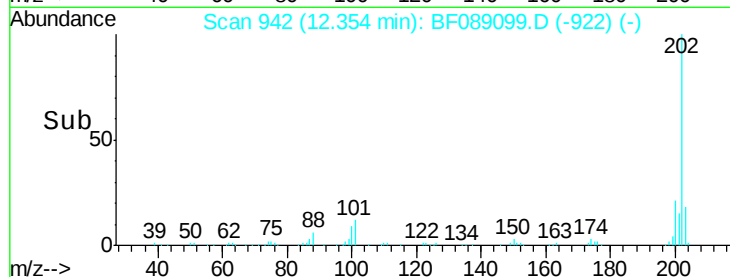
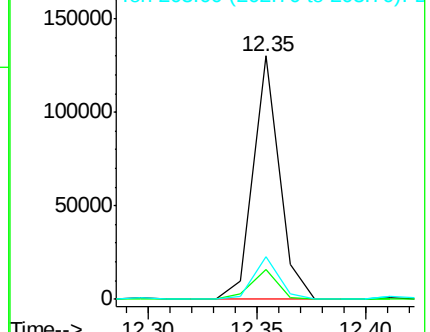
203 17.7 0.0 38.1



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: BF089099.D

Acq: 18 Jul 2016 23:41

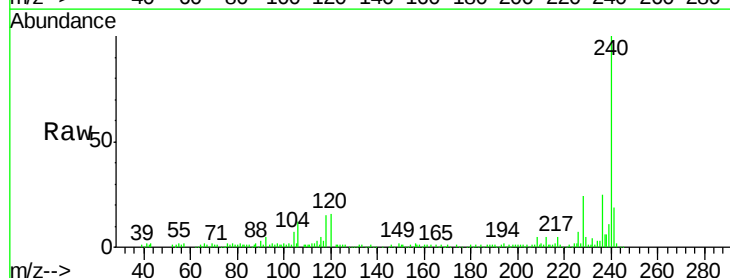
Tgt Ion: 240 Resp: 95773

Ion Ratio Lower Upper

240 100

120 16.1 6.8 10.2#

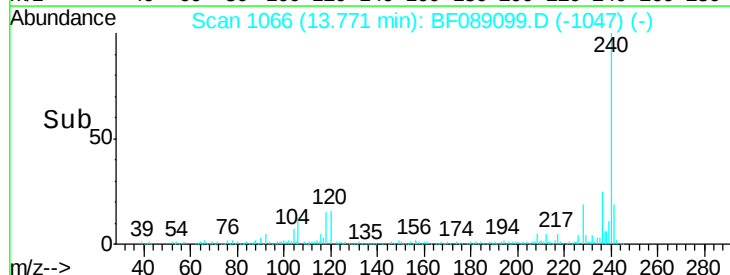
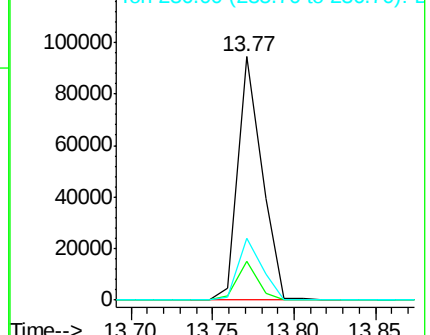
236 25.3 20.2 30.2

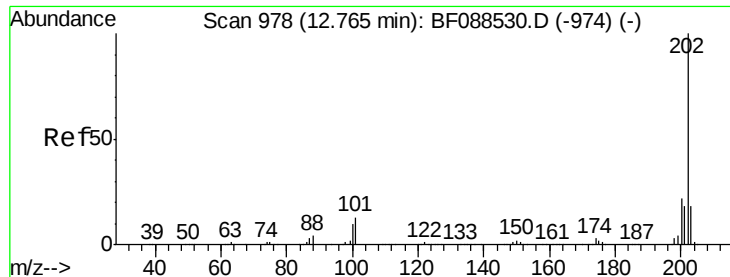


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

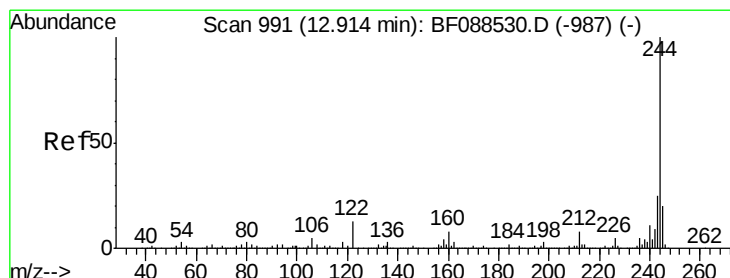
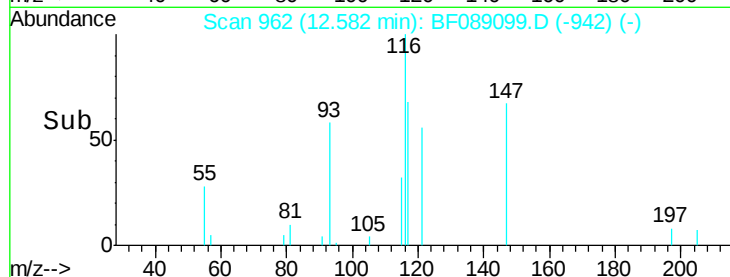
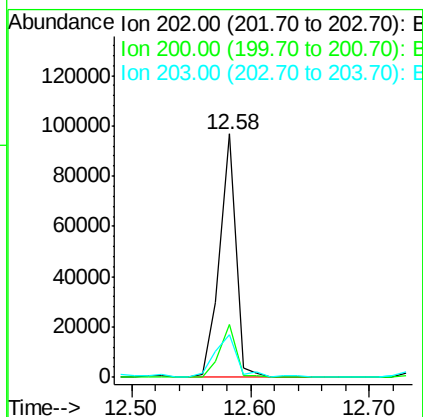
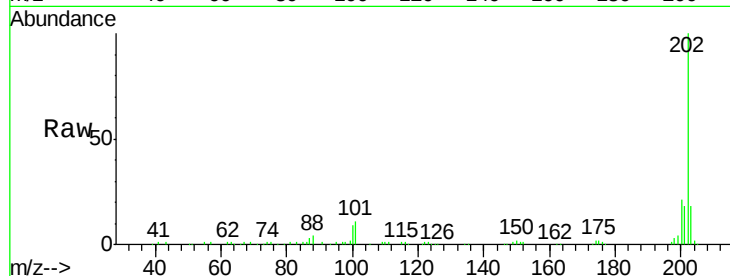




#77
 Pyrene
 Concen: 11.30 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.07 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

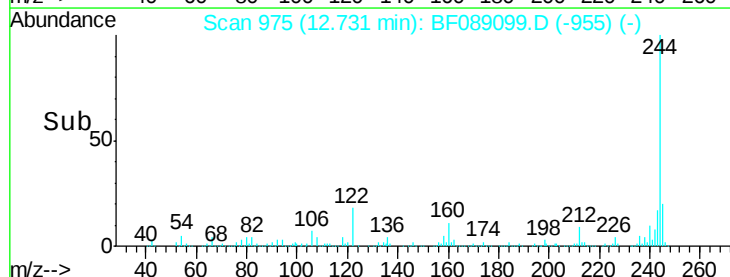
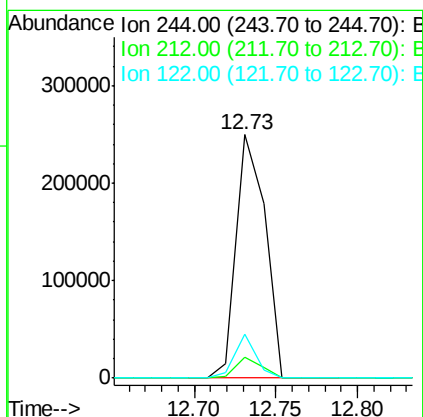
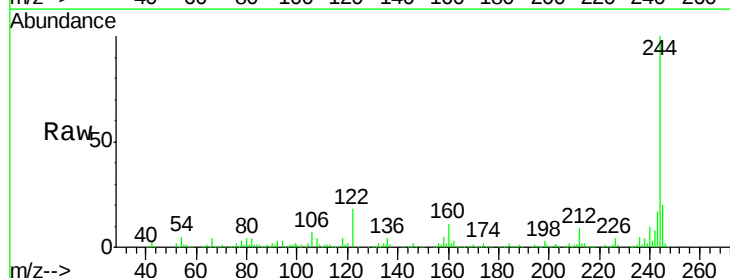
Instrument :
 BNA_F
 ClientSampleId :
 H10-B3(0-6)C

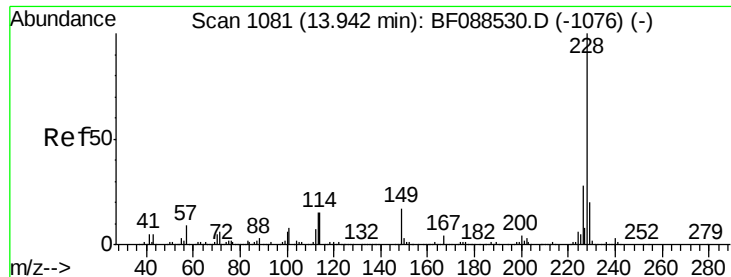
Tgt Ion: 202 Resp: 91764
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.4 26.2
 203 17.5 14.5 21.7



#78
 Terphenyl-d14
 Concen: 70.95 ng
 RT: 12.73 min Scan# 975
 Delta R.T. -0.07 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

Tgt Ion: 244 Resp: 305064
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.0 9.0
 122 17.9 11.2 16.8#





#80

Benzo(a)anthracene

Concen: 7.21 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

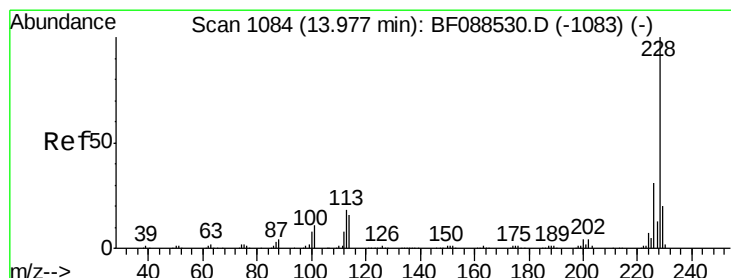
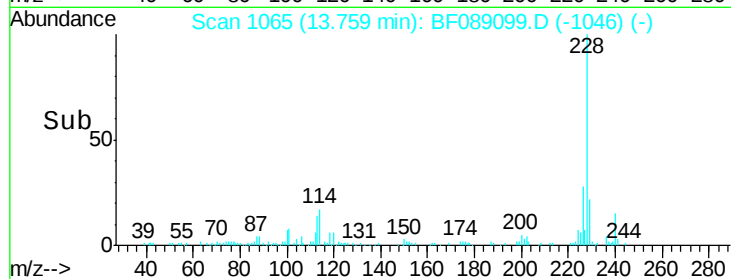
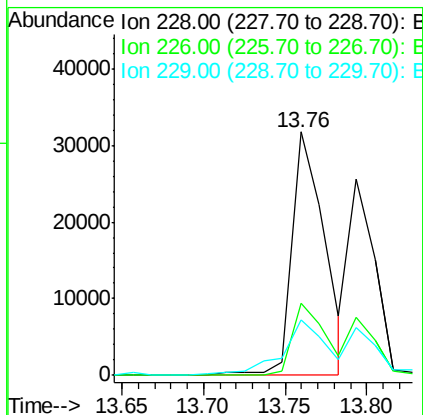
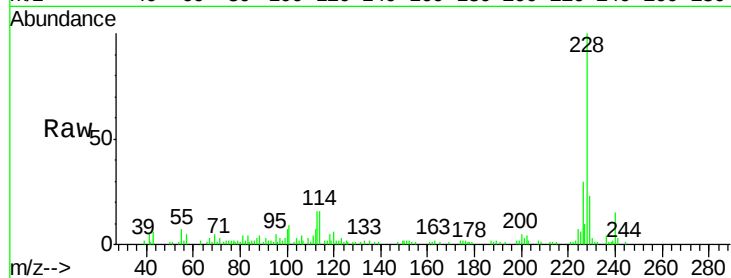
Instrument :

BNA_F

ClientSampleId :

H10-B3(0-6)C

Tgt Ion:	228	Resp:	44461
Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.3	33.5
229	22.5	16.0	24.0



#82

Chrysene

Concen: 7.29 ng

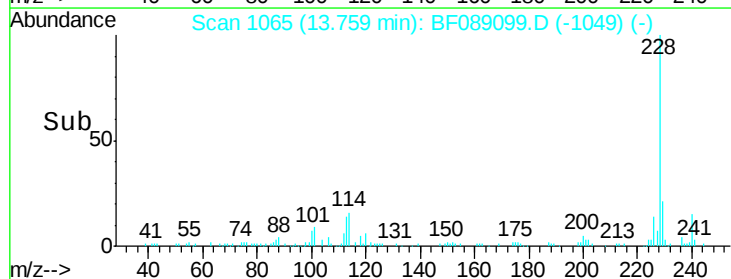
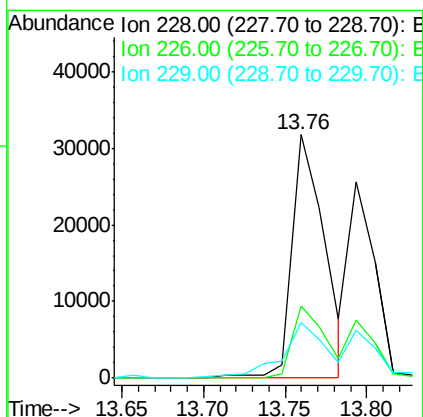
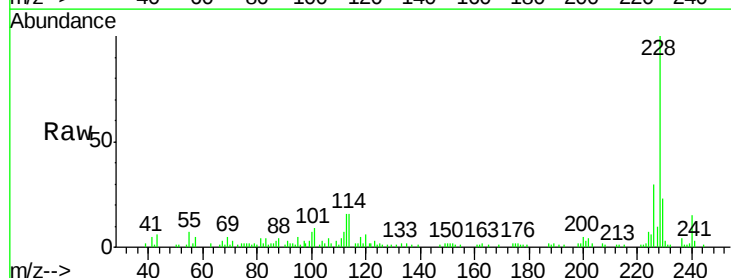
RT: 13.76 min Scan# 1065

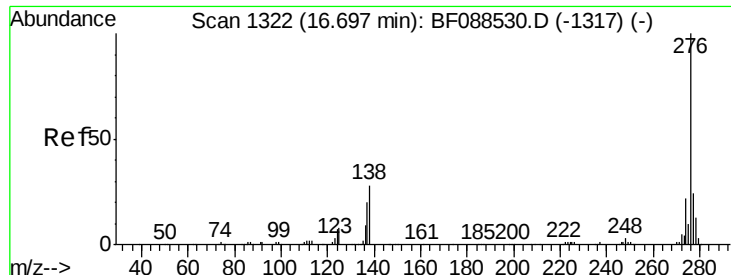
Delta R.T. -0.11 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Tgt Ion:	228	Resp:	44461
Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.2
229	22.5	16.3	24.5

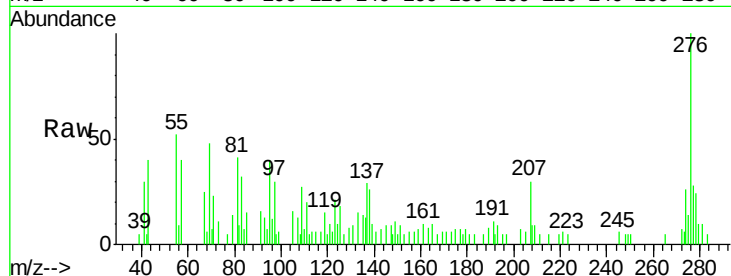




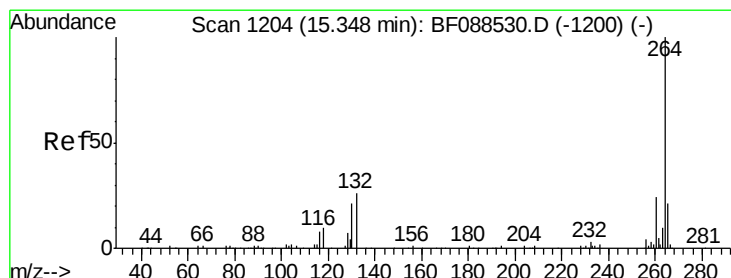
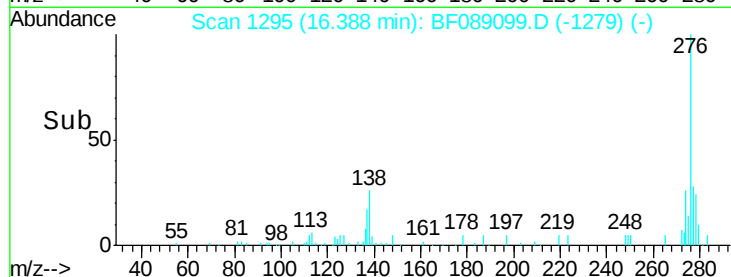
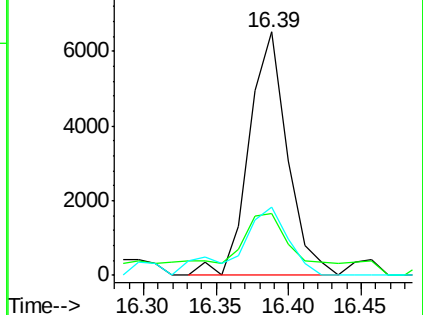
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.54 ng
 RT: 16.39 min Scan# 1295
 Delta R.T. -0.11 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

Instrument :
 BNA_F
 ClientSampleId :
 H10-B3(0-6)C

Tgt Ion: 276 Resp: 11911
 Ion Ratio Lower Upper
 276 100
 138 37.8 0.0 0.0#
 277 36.4 0.0 0.0#

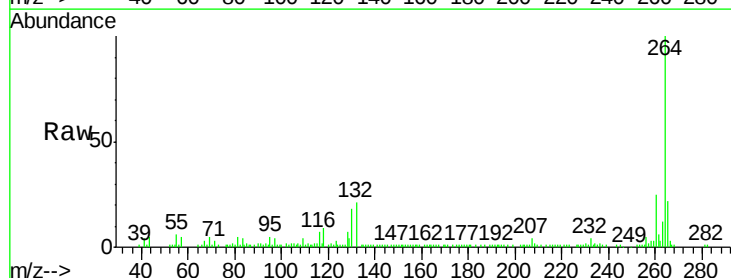


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

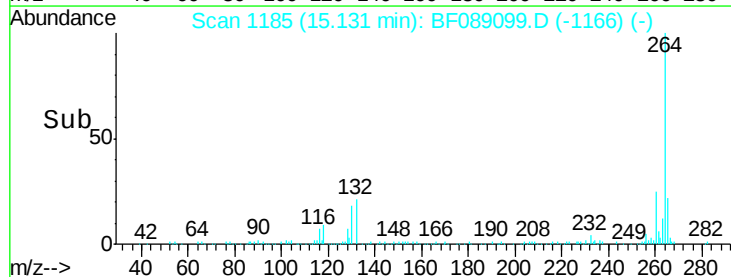
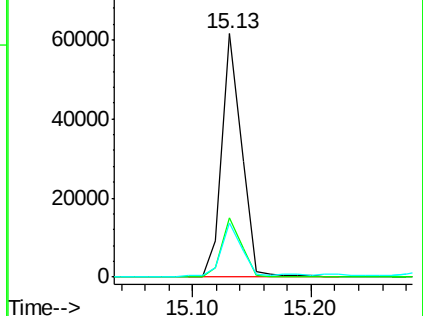


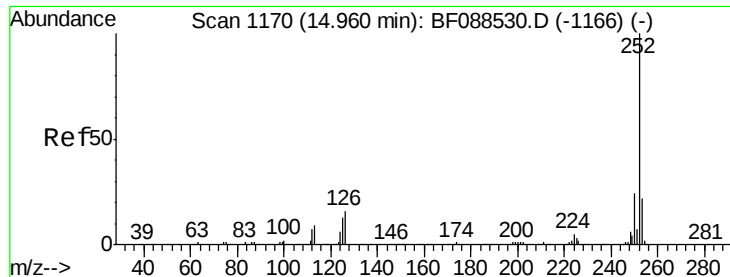
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. -0.08 min
 Lab File: BF089099.D
 Acq: 18 Jul 2016 23:41

Tgt Ion: 264 Resp: 70934
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.2 28.8
 265 22.3 16.9 25.3



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

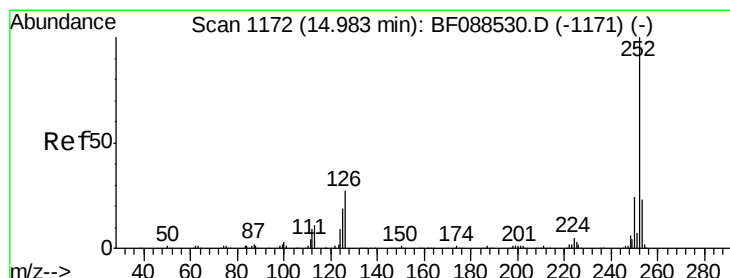
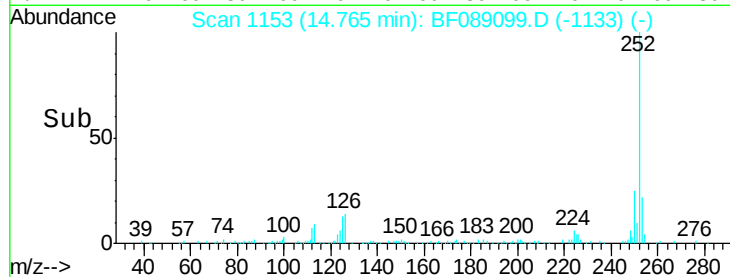
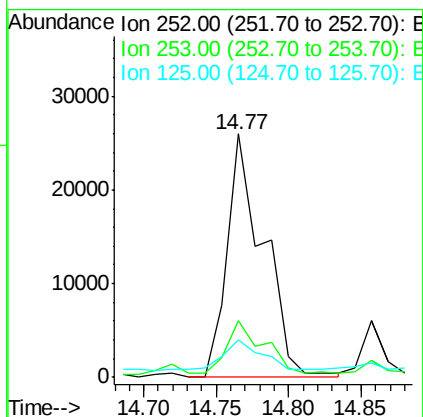
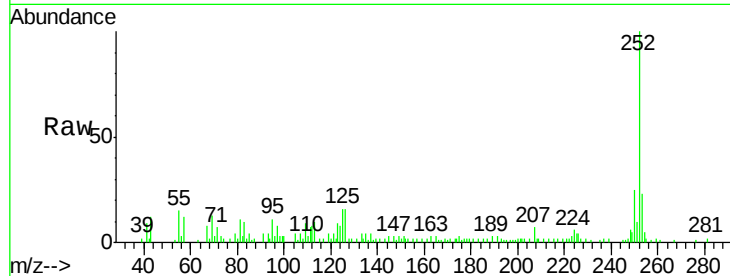




#87
Benzo(b)fluoranthene
Concen: 10.16 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

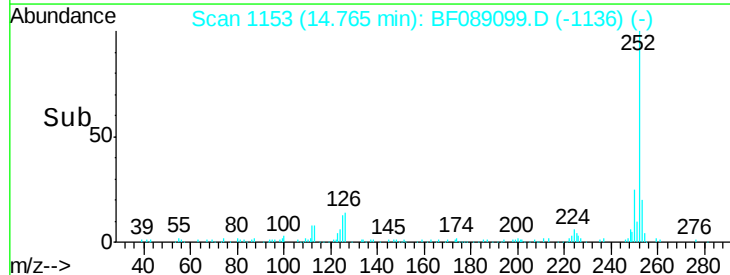
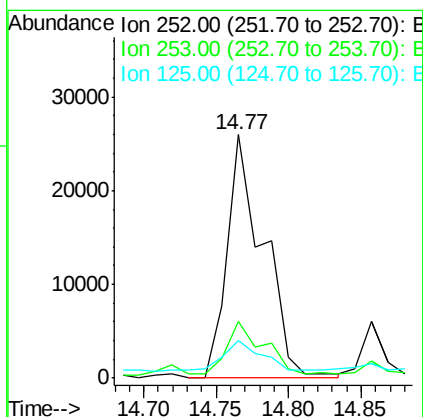
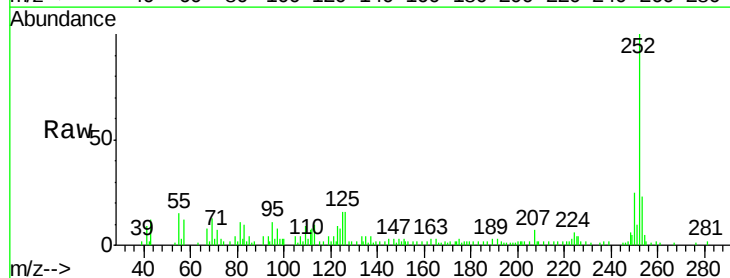
Instrument :
BNA_F
ClientSampleId :
H10-B3(0-6)C

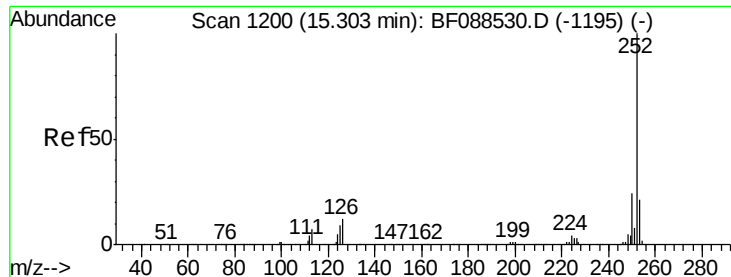
Tgt Ion:252 Resp: 45218
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 15.7 7.1 10.7#



#88
Benzo(k)fluoranthene
Concen: 11.67 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.10 min
Lab File: BF089099.D
Acq: 18 Jul 2016 23:41

Tgt Ion:252 Resp: 45218
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 15.7 11.2 16.8





#89

Benzo(a)pyrene

Concen: 4.39 ng

RT: 15.03 min Scan# 1176

Delta R.T. -0.14 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

Instrument :

BNA_F

ClientSampleId :

H10-B3(0-6)C

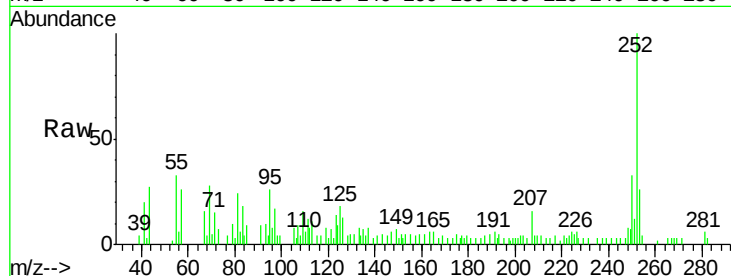
Tgt Ion:252 Resp: 16536

Ion Ratio Lower Upper

252 100

253 25.7 17.9 26.9

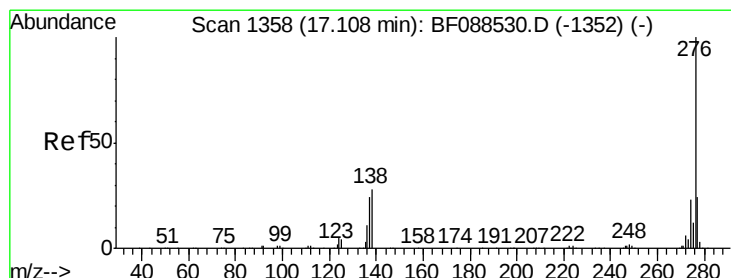
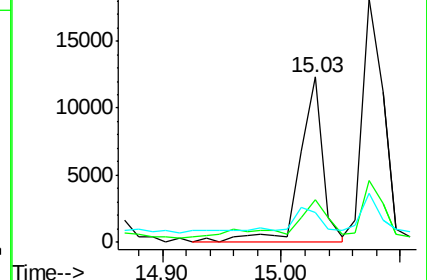
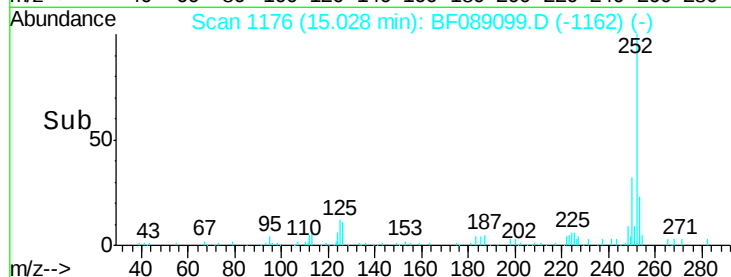
125 17.8 12.5 18.7



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



#91

Benzo(g,h,i)perylene

Concen: 3.50 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.13 min

Lab File: BF089099.D

Acq: 18 Jul 2016 23:41

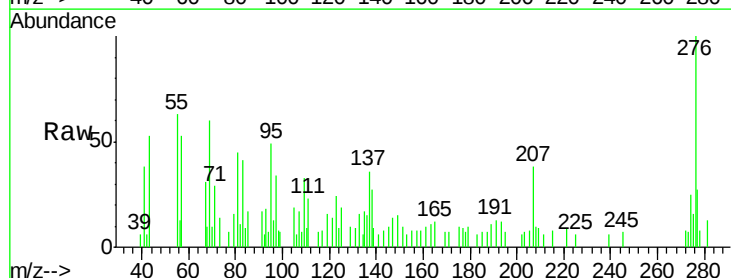
Tgt Ion:276 Resp: 11402

Ion Ratio Lower Upper

276 100

277 26.5 18.9 28.3

138 27.3 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

