

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071916\
 Data File : BF089112.D
 Acq On : 19 Jul 2016 12:15
 Operator : UM/SJ
 Sample : H4044-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F9-B1(0-6)C

Quant Time: Jul 20 02:11:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 19 15:28:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	50769	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	223347	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	103277	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	171029	20.00	ng	0.00
75) Chrysene-d12	13.75	240	102786	20.00	ng	-0.01
86) Perylene-d12	15.11	264	99295	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	322321	95.15	ng	0.00
7) Phenol-d6	6.28	99	490887	112.15	ng	0.00
23) Nitrobenzene-d5	7.19	82	250206	58.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	85438	89.09	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	524405	80.21	ng	0.00
78) Terphenyl-d14	12.72	244	344650	74.68	ng	0.00

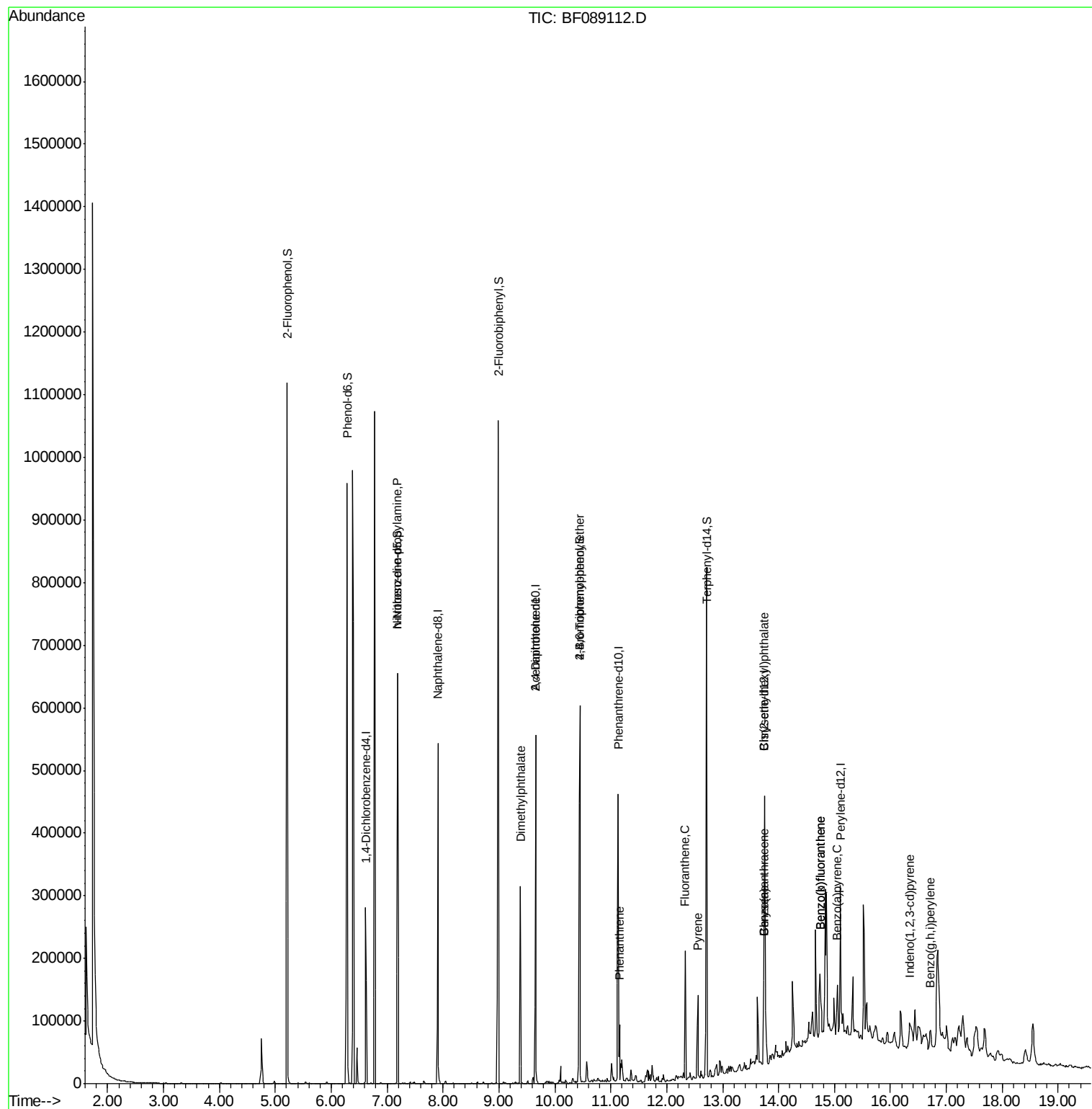
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	34185	11.63	ng	# 74
49) Dimethylphthalate	9.38	163	112074	15.23	ng	99
56) 2,4-Dinitrotoluene	9.66	165	13192	6.19	ng	# 36
66) 4-Bromophenyl-phenylether	10.44	248	6569	3.81	ng	# 1
70) Phenanthrene	11.15	178	35271	3.77	ng	99
74) Fluoranthene	12.33	202	71123	7.50	ng	97
77) Pyrene	12.56	202	62057	7.12	ng	97
80) Benzo(a)anthracene	13.74	228	37431	5.66	ng	93
82) Chrysene	13.74	228	37431	5.72	ng	98
83) Bis(2-ethylhexyl)phthalate	13.75	149	13268	2.99	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.34	276	16981	3.37	ng	# 100
87) Benzo(b)fluoranthene	14.74	252	57635	9.25	ng	# 92
88) Benzo(k)fluoranthene	14.74	252	57635	10.63	ng	97
89) Benzo(a)pyrene	15.05	252	29216	5.54	ng	98
91) Benzo(g,h,i)perylene	16.71	276	15015	3.29	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: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF089112.D

Acq: 19 Jul 2016 12:15

Instrument :

BNA_F

ClientSampleId :

F9-B1(0-6)C

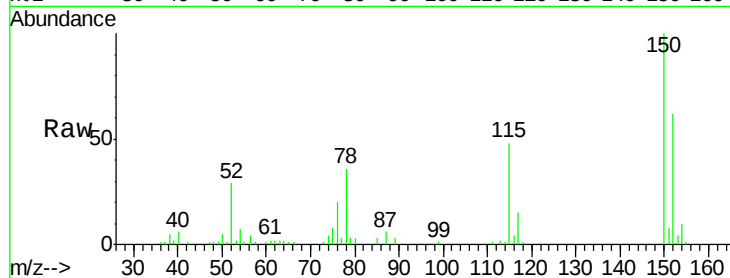
Tgt Ion:152 Resp: 50769

Ion Ratio Lower Upper

152 100

150 161.2 123.8 185.6

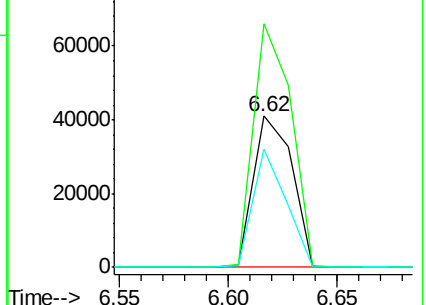
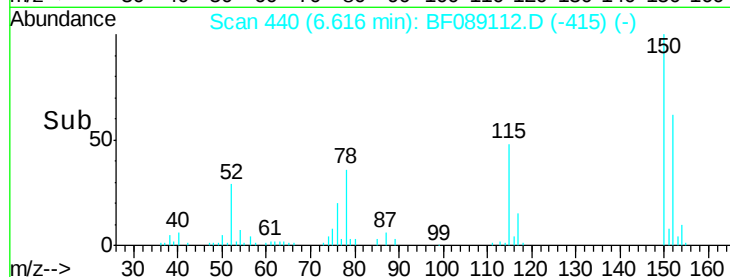
115 77.9 39.6 59.4#



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: 95.15 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.00 min

Lab File: BF089112.D

Acq: 19 Jul 2016 12:15

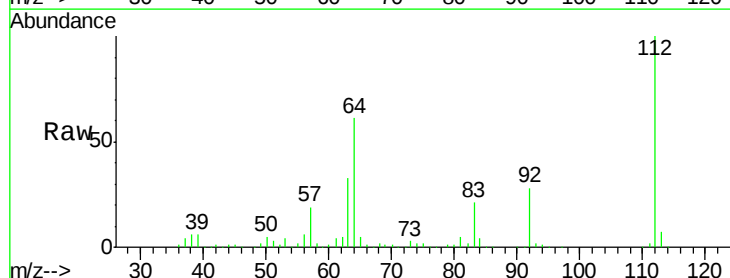
Tgt Ion:112 Resp: 322321

Ion Ratio Lower Upper

112 100

64 60.7 42.2 63.2

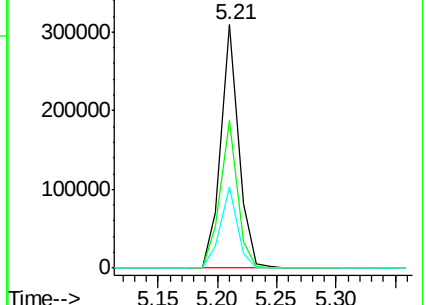
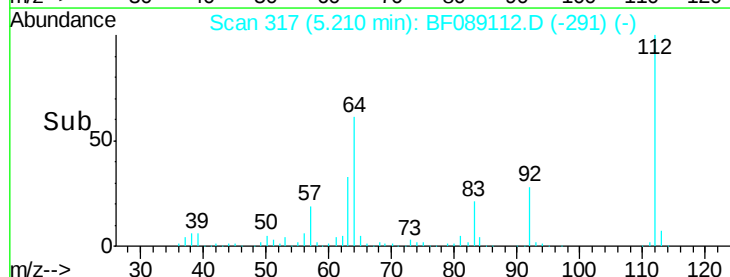
63 33.0 21.8 32.8#

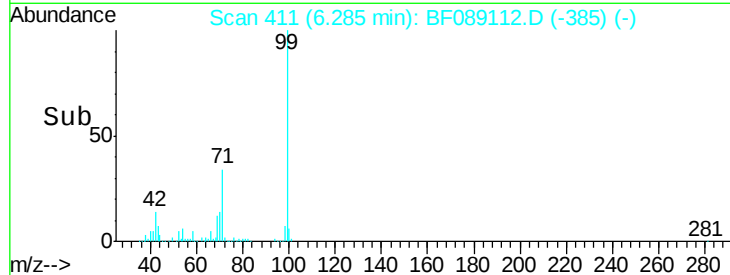
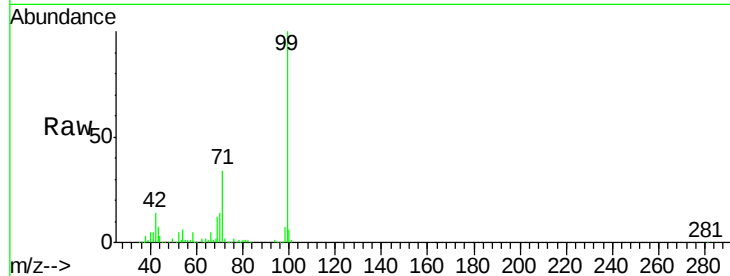


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.15 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF089112.D

Acq: 19 Jul 2016 12:15

Instrument :

BNA_F

ClientSampleId :

F9-B1(0-6)C

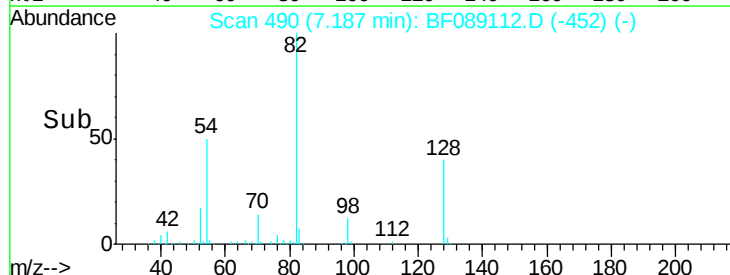
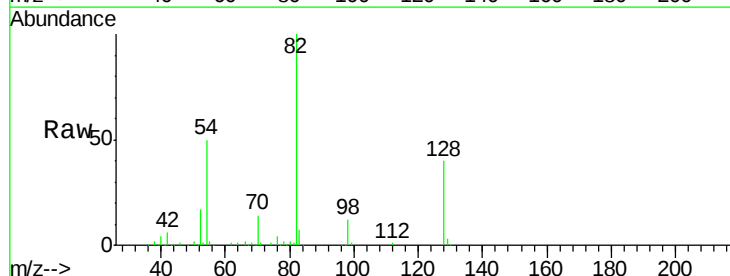
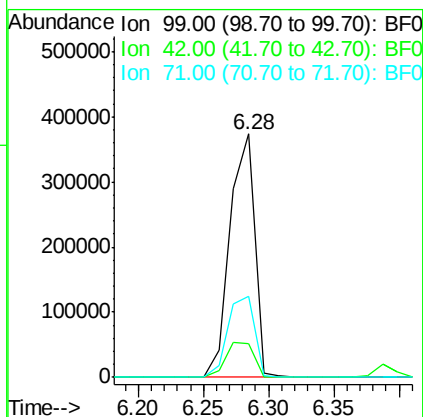
Tgt Ion: 99 Resp: 490887

Ion Ratio Lower Upper

99 100

42 14.0 12.2 18.2

71 33.5 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.63 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.14 min

Lab File: BF089112.D

Acq: 19 Jul 2016 12:15

Tgt Ion: 70 Resp: 34185

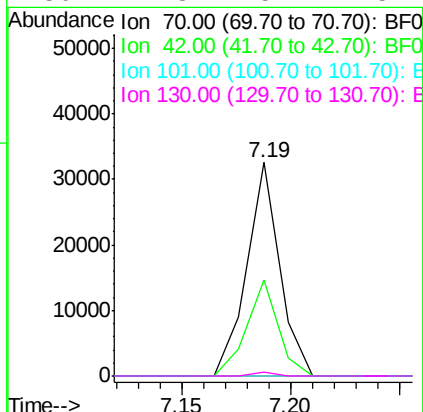
Ion Ratio Lower Upper

70 100

42 45.1 49.6 74.4#

101 0.0 7.1 10.7#

130 1.8 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF089112.D

Acq: 19 Jul 2016 12:15

Instrument :

BNA_F

ClientSampleId :

F9-B1(0-6)C

Tgt Ion:136 Resp: 223347

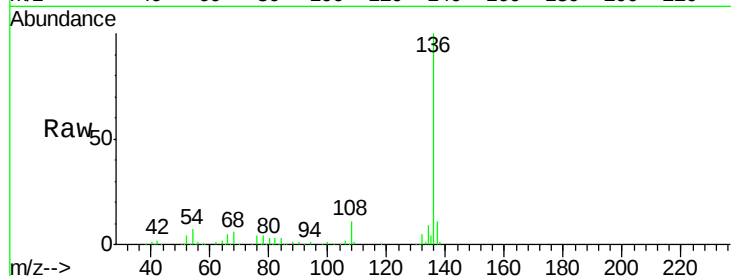
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.3 6.6 10.0

68 5.5 5.1 7.7

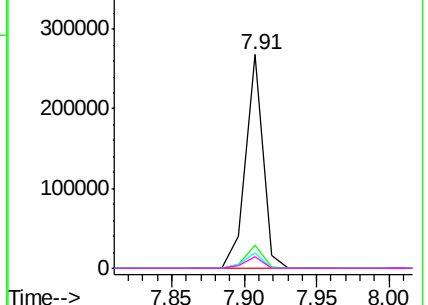
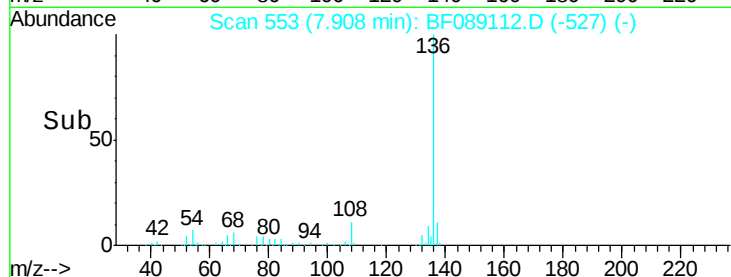


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.71 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF089112.D

Acq: 19 Jul 2016 12:15

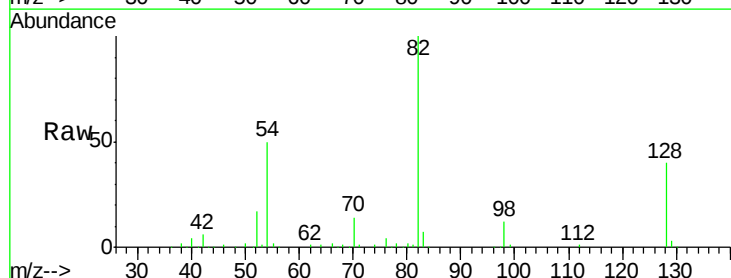
Tgt Ion: 82 Resp: 250206

Ion Ratio Lower Upper

82 100

128 39.6 35.9 53.9

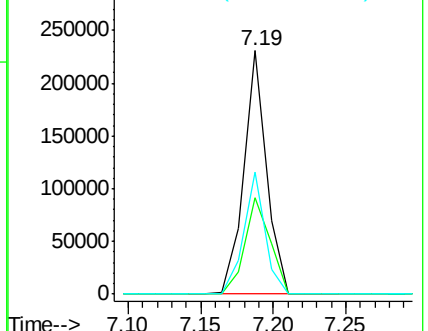
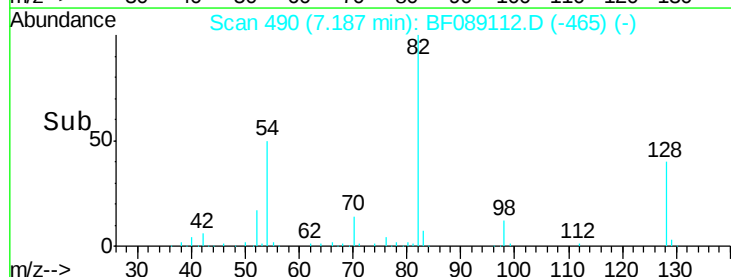
54 50.1 40.9 61.3

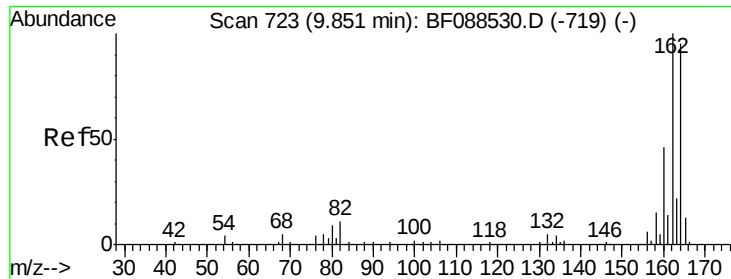


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

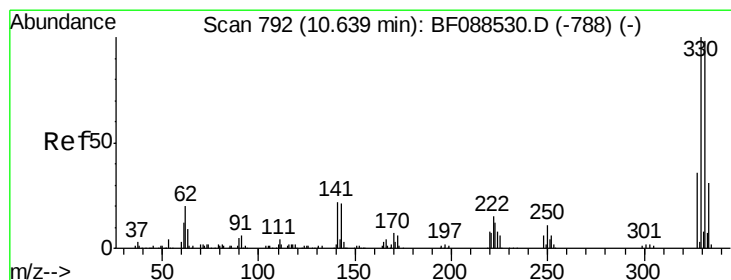
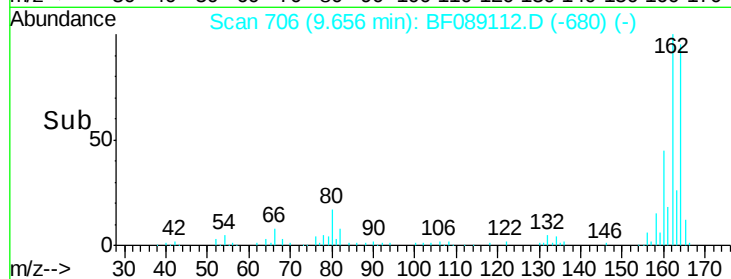
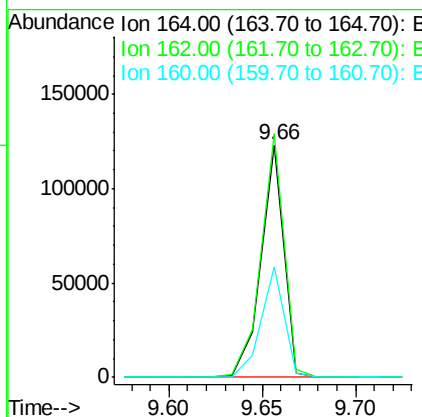
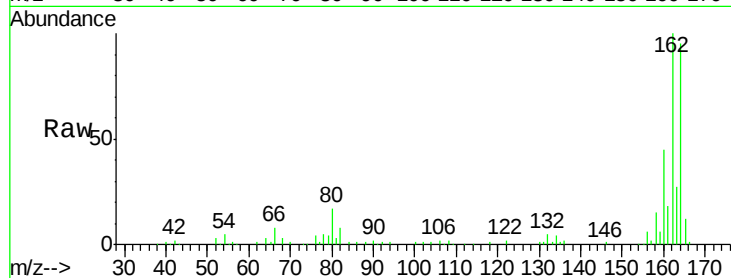




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: BF089112.D
 Acq: 19 Jul 2016 12:15

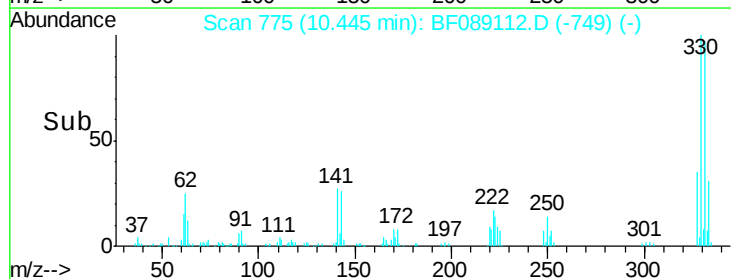
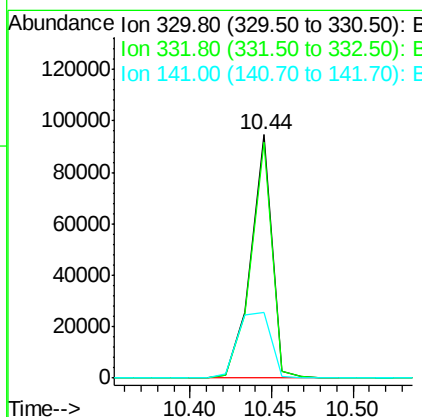
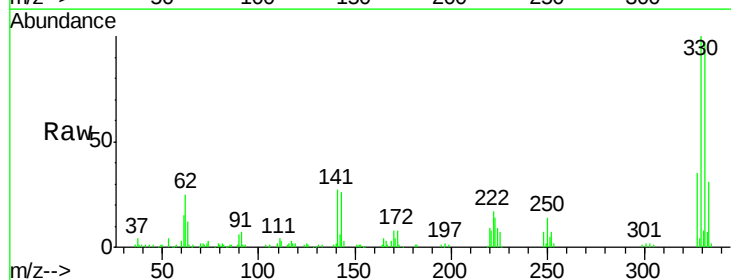
Instrument :
 BNA_F
 ClientSampleId :
 F9-B1(0-6)C

Tgt Ion:164 Resp: 103277
 Ion Ratio Lower Upper
 164 100
 162 104.9 85.4 128.2
 160 47.5 39.5 59.3



#41
 2,4,6-Tribromophenol
 Concen: 89.09 ng
 RT: 10.44 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF089112.D
 Acq: 19 Jul 2016 12:15

Tgt Ion:330 Resp: 85438
 Ion Ratio Lower Upper
 330 100
 332 97.1 0.0 0.0#
 141 42.1 0.0 0.0#

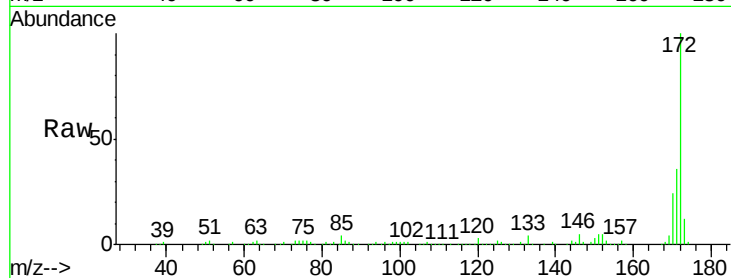




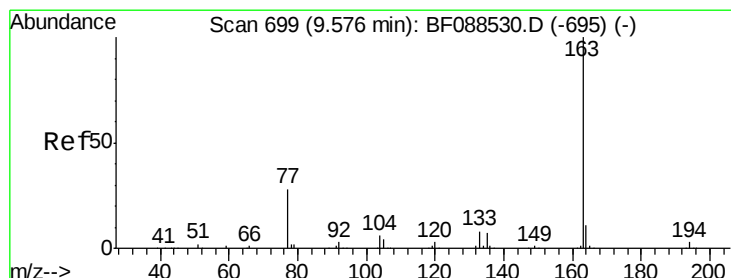
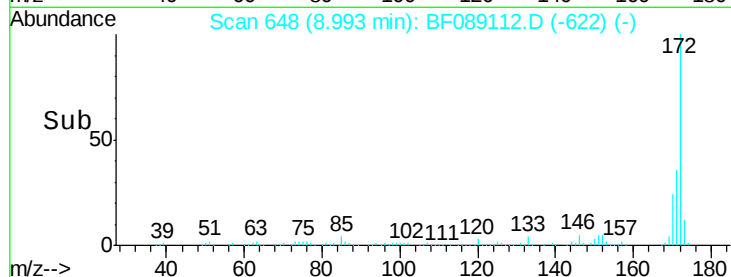
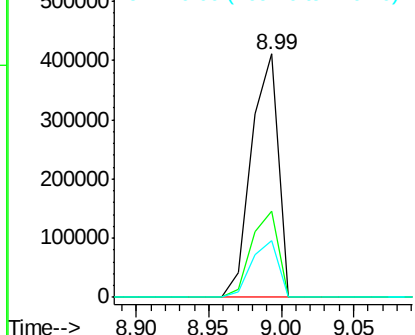
#44
 2-Fluorobiphenyl
 Concen: 80.21 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF089112.D
 Acq: 19 Jul 2016 12:15

Instrument :
 BNA_F
 ClientSampleId :
 F9-B1(0-6)C

Tgt Ion:172 Resp: 524405
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 23.6 19.2 28.8

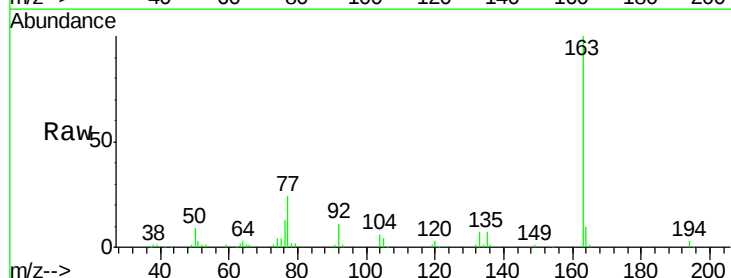


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

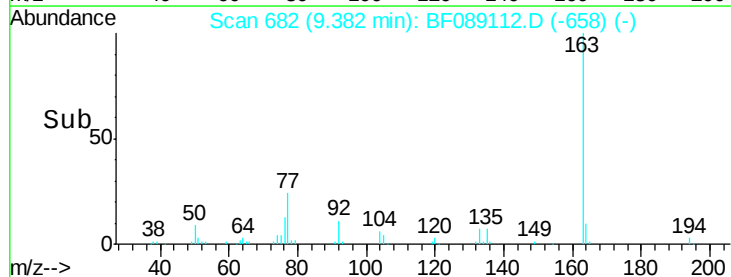
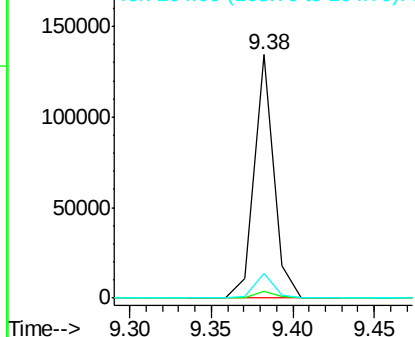


#49
 Dimethylphthalate
 Concen: 15.23 ng
 RT: 9.38 min Scan# 682
 Delta R.T. -0.02 min
 Lab File: BF089112.D
 Acq: 19 Jul 2016 12:15

Tgt Ion:163 Resp: 112074
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.8 4.2
 164 10.4 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

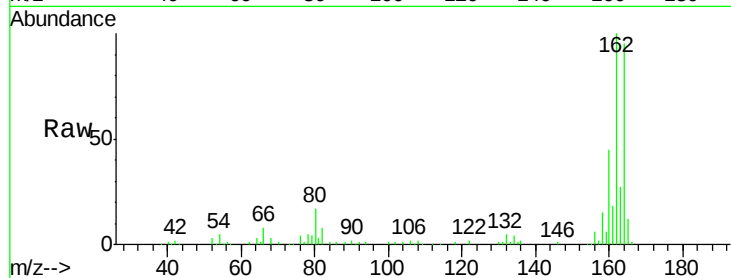




#56
 2,4-Dinitrotoluene
 Concen: 6.19 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.21 min
 Lab File: BF089112.D
 Acq: 19 Jul 2016 12:15

Instrument :
 BNA_F
 ClientSampleId :
 F9-B1(0-6)C

Tgt Ion:	165	Resp:	13192
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#

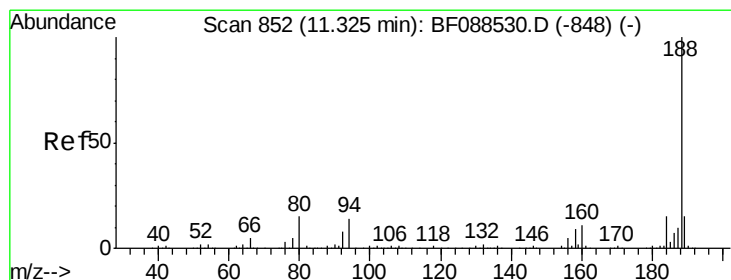
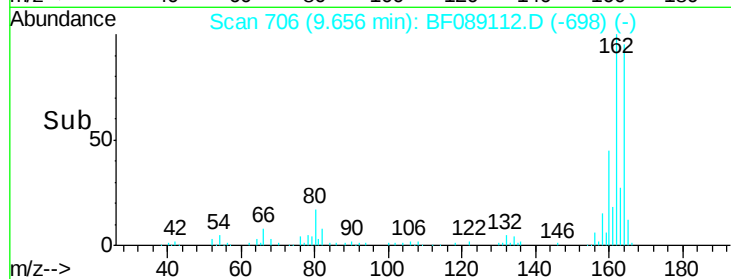
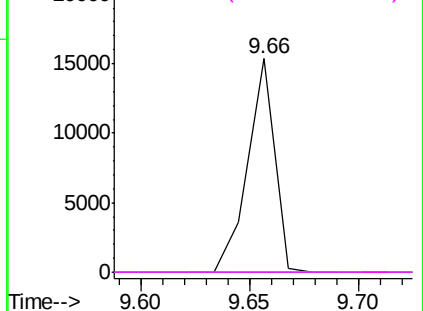


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

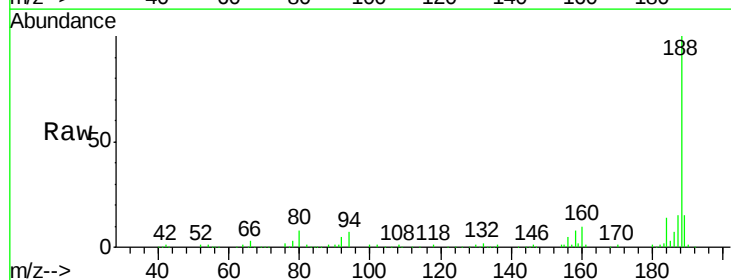
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BF089112.D
 Acq: 19 Jul 2016 12:15

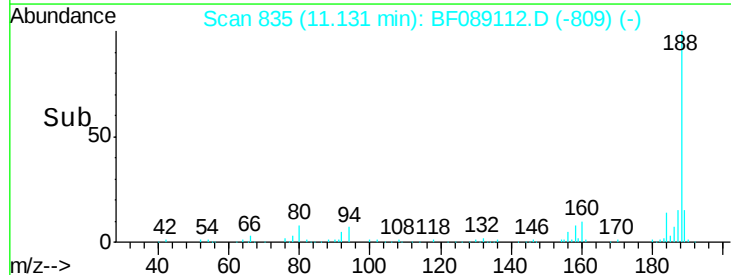
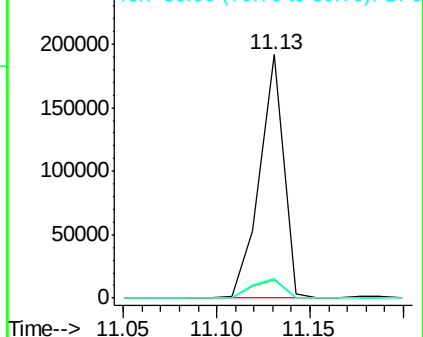
Tgt Ion:	188	Resp:	171029
Ion	Ratio	Lower	Upper
188	100		
94	7.4	9.0	13.6#
80	8.1	10.0	15.0#

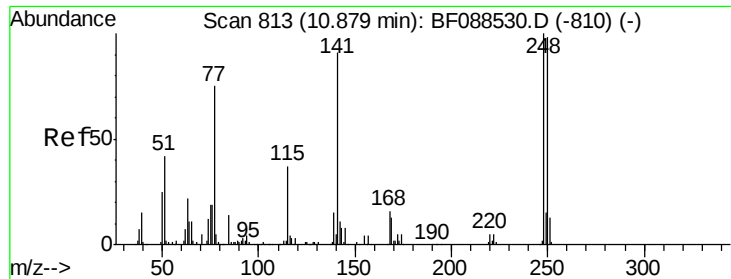


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

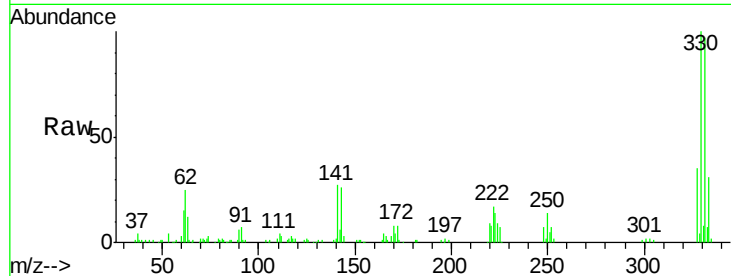




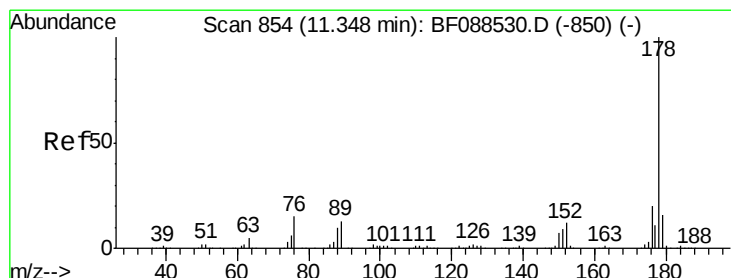
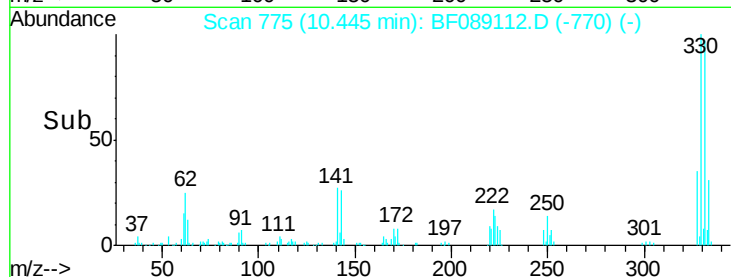
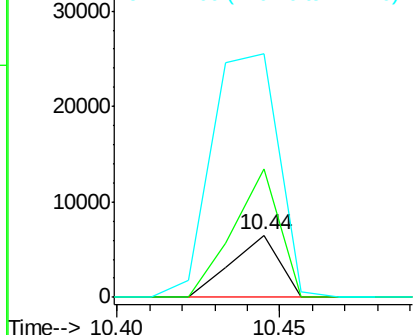
#66
 4-Bromophenyl-phenylether
 Concen: 3.81 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.24 min
 Lab File: BF089112.D
 Acq: 19 Jul 2016 12:15

Instrument :
 BNA_F
 ClientSampleId :
 F9-B1(0-6)C

Tgt Ion:248 Resp: 6569
 Ion Ratio Lower Upper
 248 100
 250 206.4 77.1 115.7#
 141 392.7 50.6 76.0#

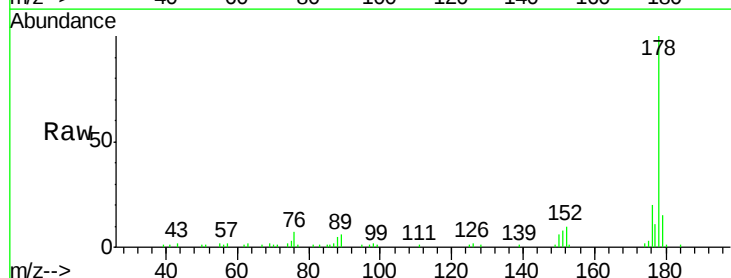


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

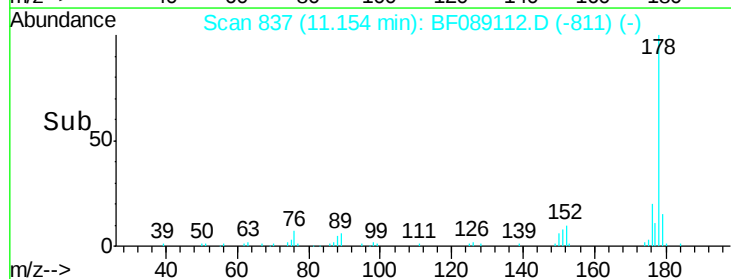
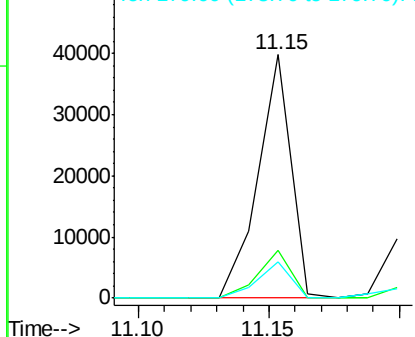


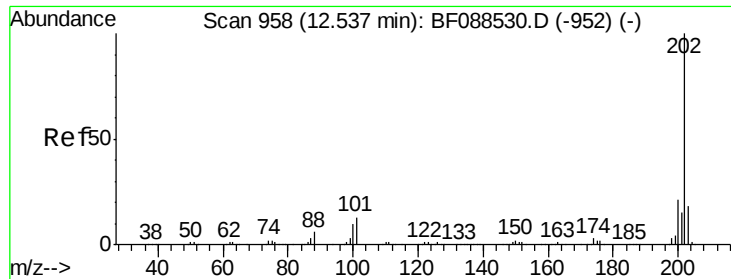
#70
 Phenanthrene
 Concen: 3.77 ng
 RT: 11.15 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BF089112.D
 Acq: 19 Jul 2016 12:15

Tgt Ion:178 Resp: 35271
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.6
 179 14.9 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

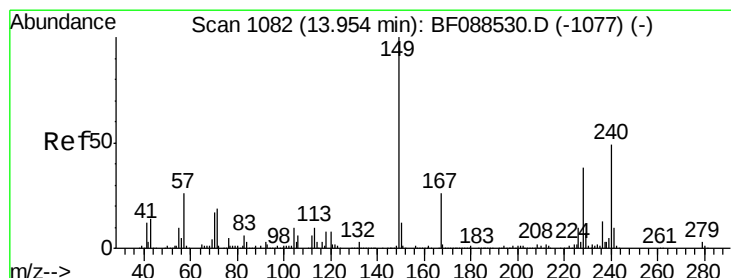
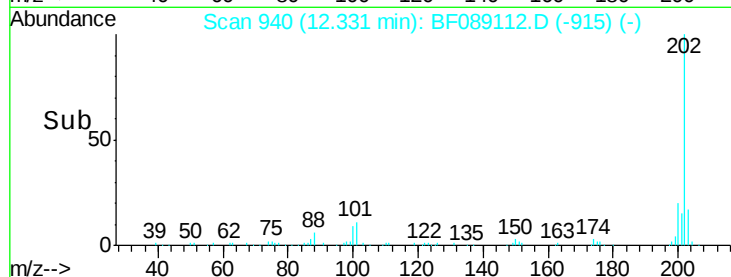
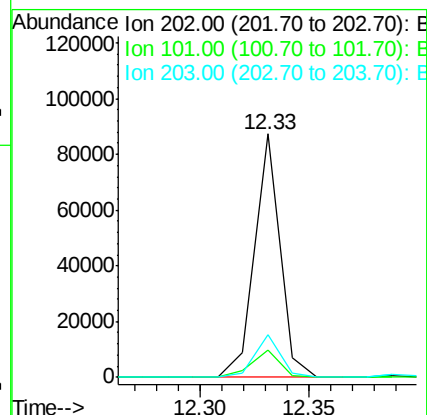
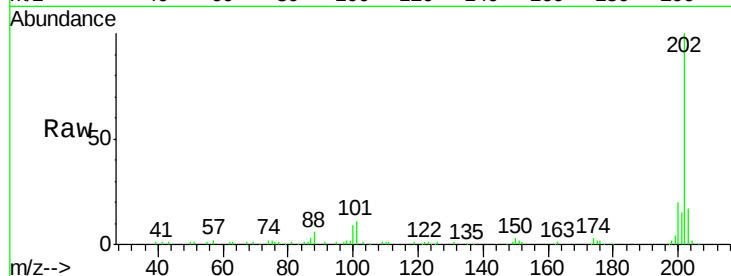




#74
Fluoranthene
Concen: 7.50 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

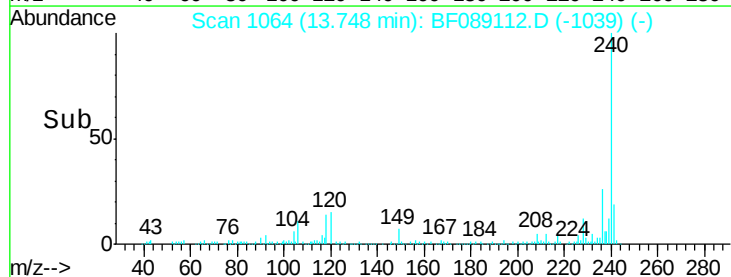
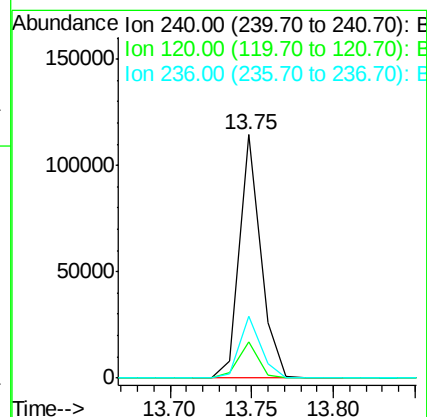
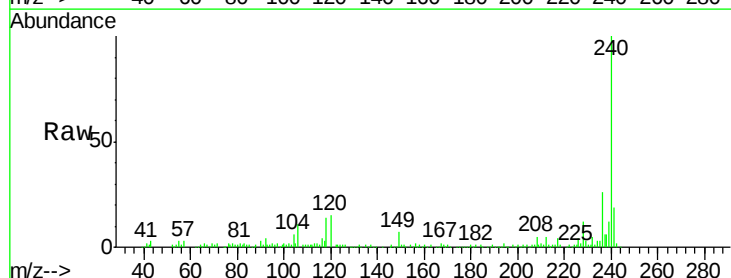
Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

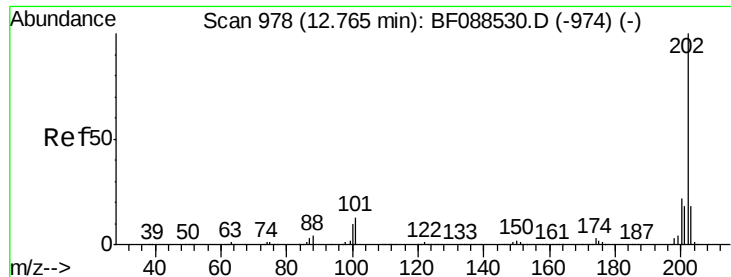
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.1
203	17.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.7	6.8	10.2#
236	25.6	20.2	30.2

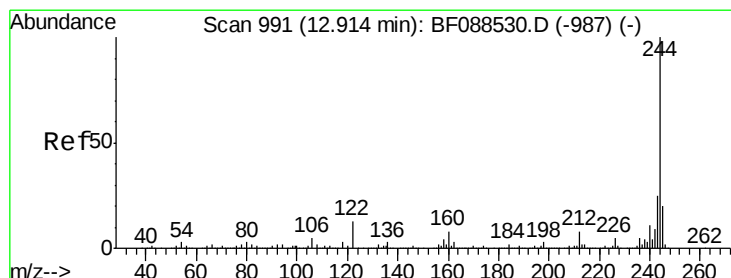
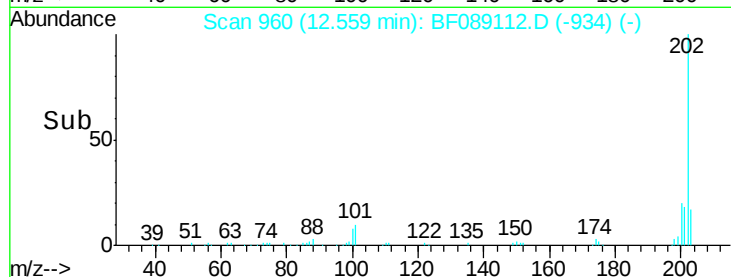
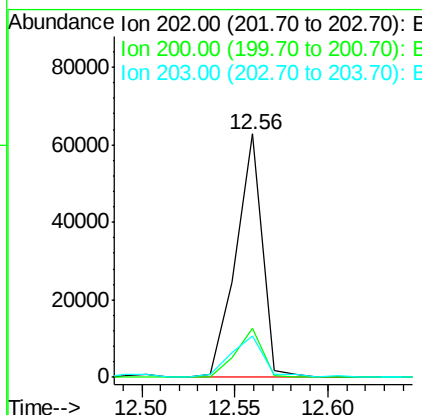
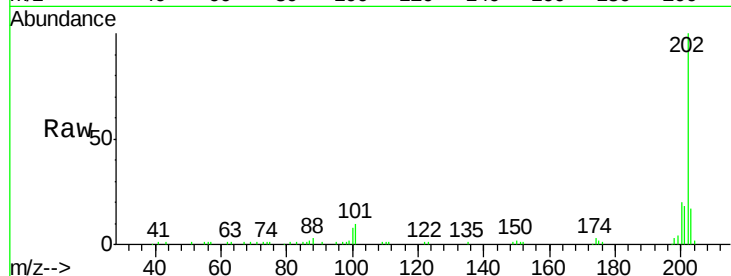




#77
 Pyrene
 Concen: 7.12 ng
 RT: 12.56 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: BF089112.D
 Acq: 19 Jul 2016 12:15

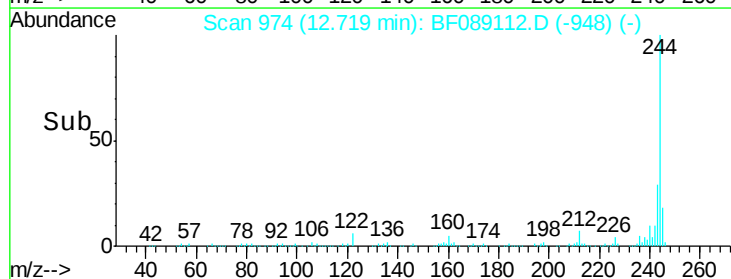
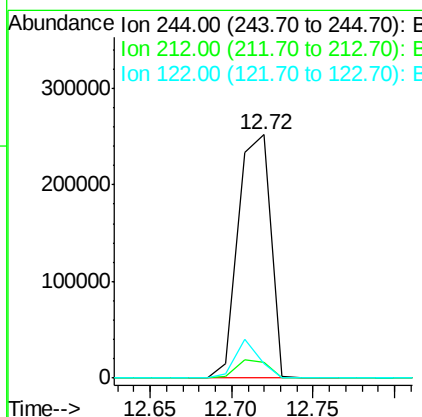
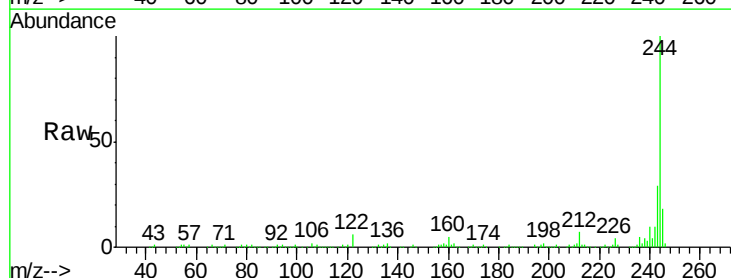
Instrument :
 BNA_F
 ClientSampleId :
 F9-B1(0-6)C

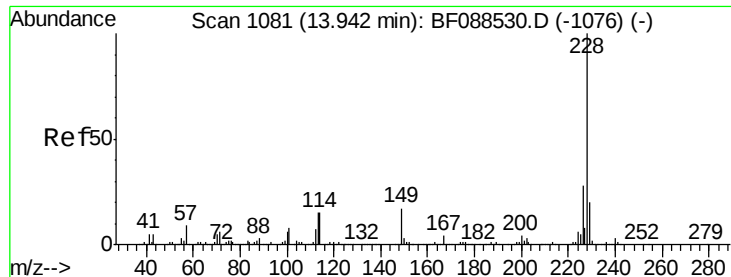
Tgt Ion: 202 Resp: 62057
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.4 26.2
 203 17.0 14.5 21.7



#78
 Terphenyl-d14
 Concen: 74.68 ng
 RT: 12.72 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: BF089112.D
 Acq: 19 Jul 2016 12:15

Tgt Ion: 244 Resp: 344650
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 5.7 11.2 16.8#





#80

Benzo(a)anthracene

Concen: 5.66 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF089112.D

Acq: 19 Jul 2016 12:15

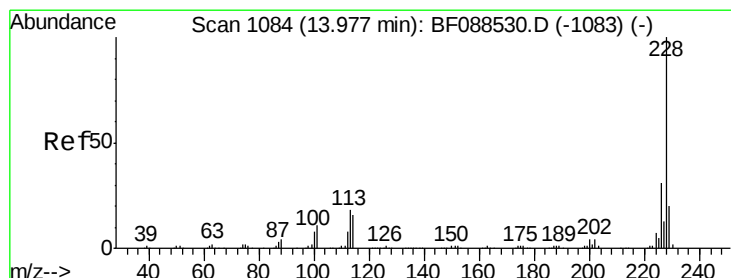
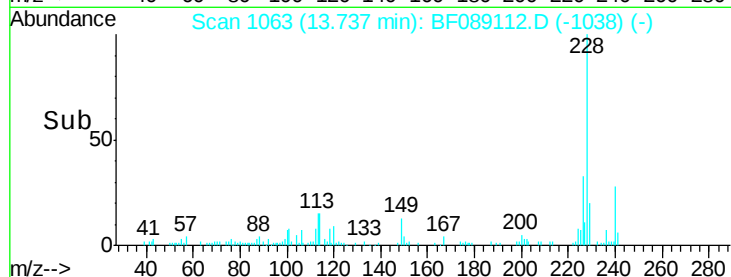
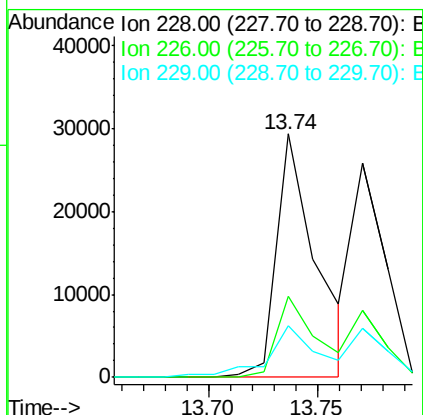
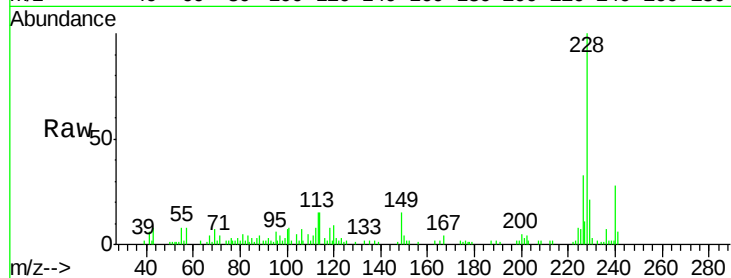
Instrument :

BNA_F

ClientSampleId :

F9-B1(0-6)C

Tgt Ion:	228	Resp:	37431
Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.3	33.5
229	21.1	16.0	24.0



#82

Chrysene

Concen: 5.72 ng

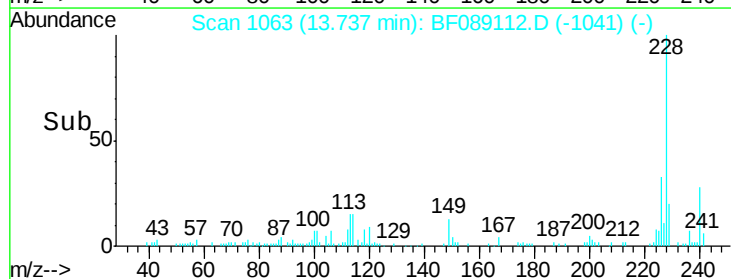
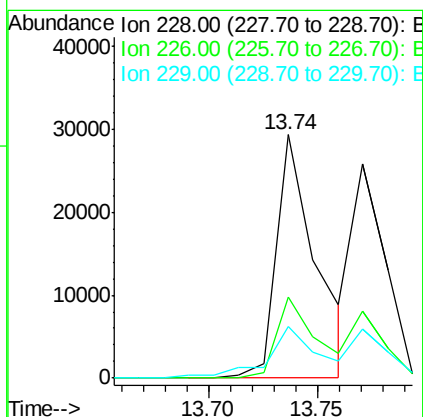
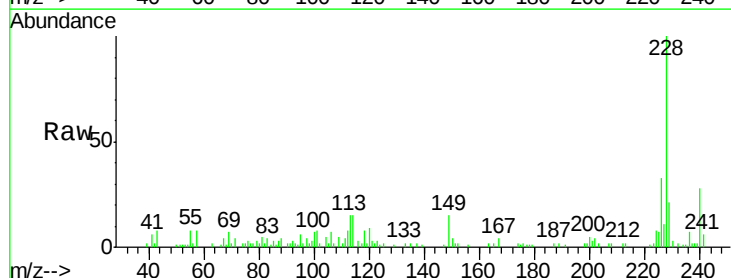
RT: 13.74 min Scan# 1063

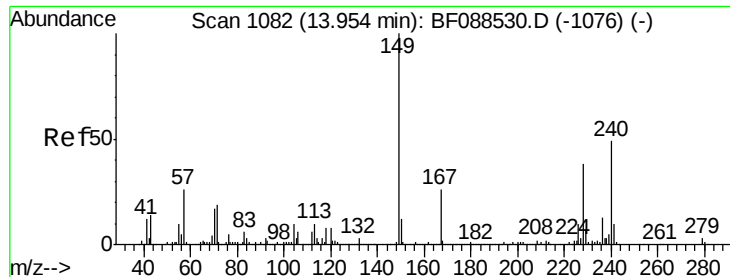
Delta R.T. -0.05 min

Lab File: BF089112.D

Acq: 19 Jul 2016 12:15

Tgt Ion:	228	Resp:	37431
Ion	Ratio	Lower	Upper
228	100		
226	33.2	25.4	38.2
229	21.1	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.99 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF089112.D

Acq: 19 Jul 2016 12:15

Instrument :

BNA_F

ClientSampleId :

F9-B1(0-6)C

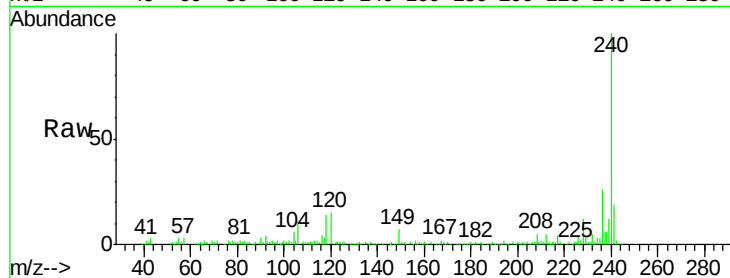
Tgt Ion:149 Resp: 13268

Ion Ratio Lower Upper

149 100

167 27.6 20.5 30.7

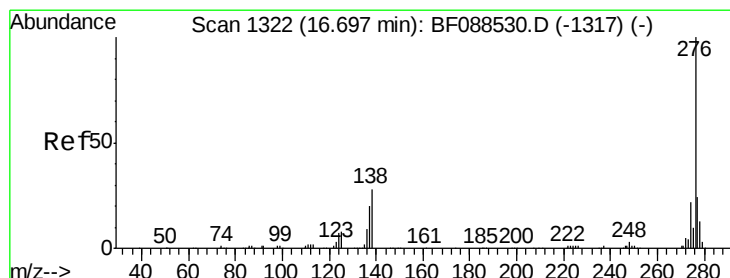
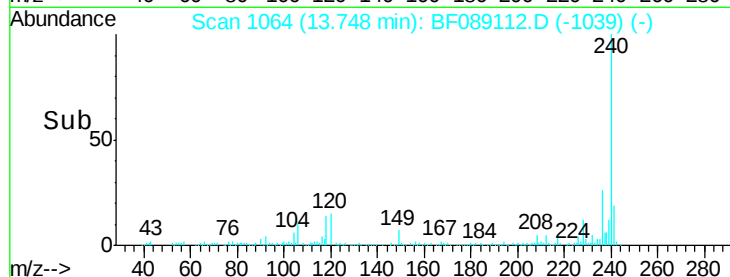
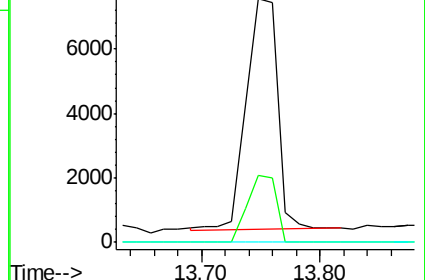
279 0.0 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.37 ng

RT: 16.34 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF089112.D

Acq: 19 Jul 2016 12:15

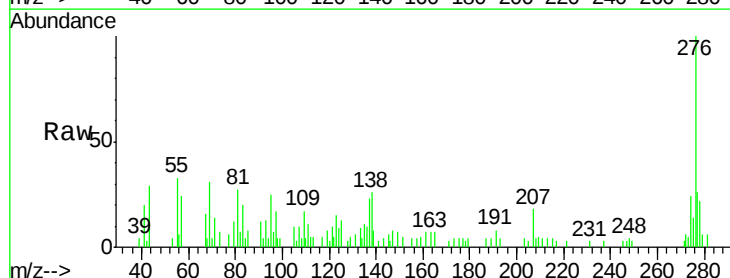
Tgt Ion:276 Resp: 16981

Ion Ratio Lower Upper

276 100

138 30.9 0.0 0.0#

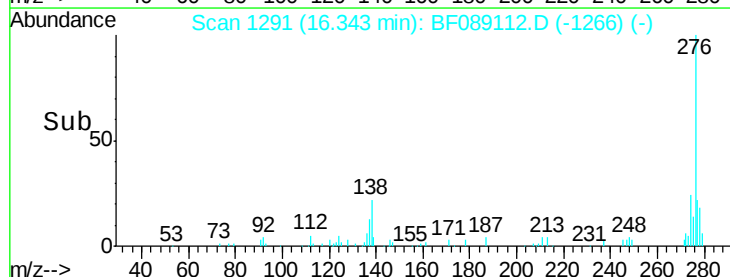
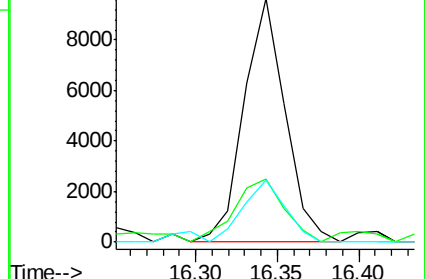
277 29.0 0.0 0.0#

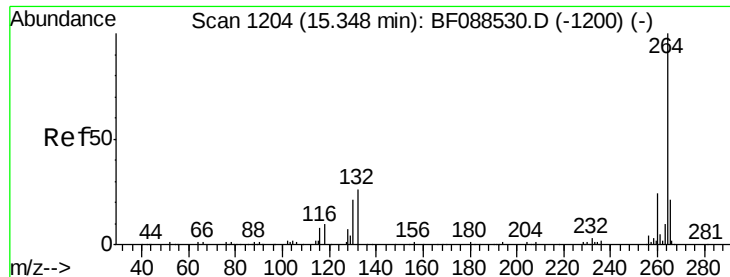


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



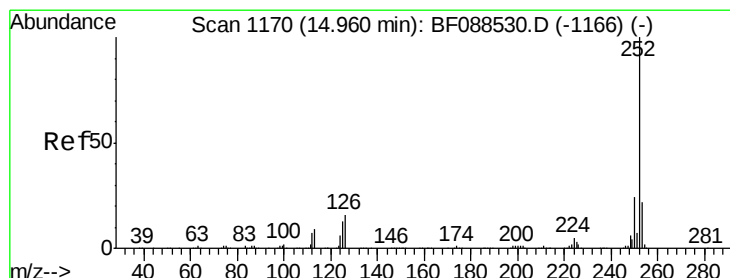
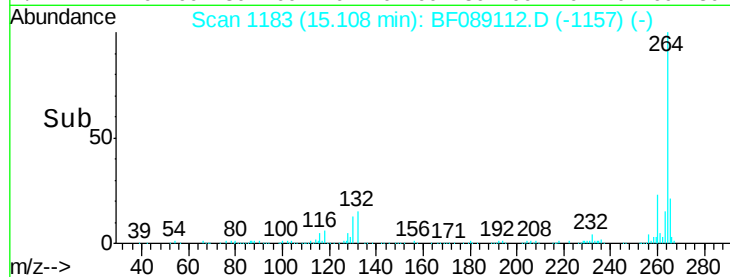
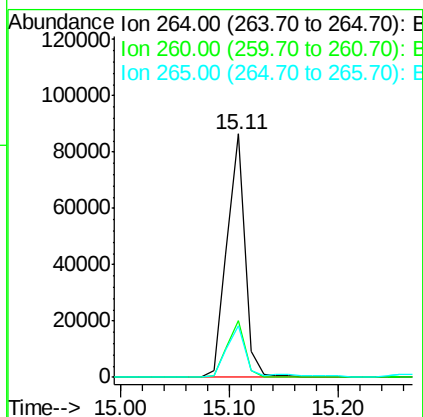
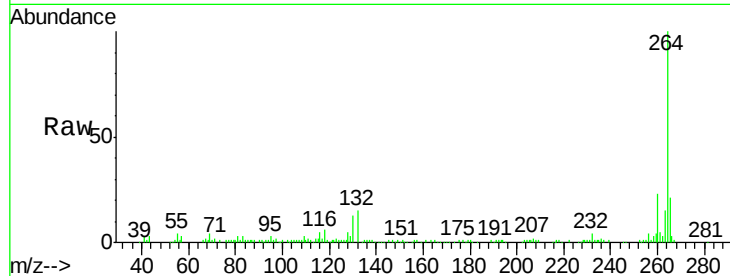


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion: 264 Resp: 99295

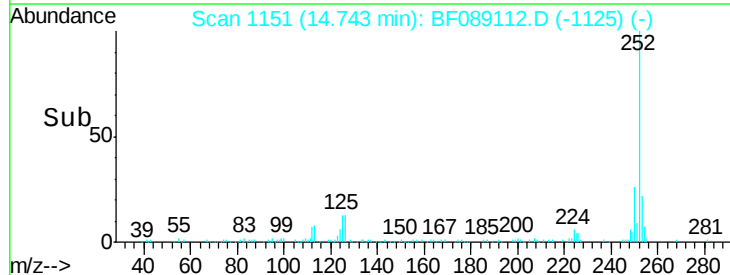
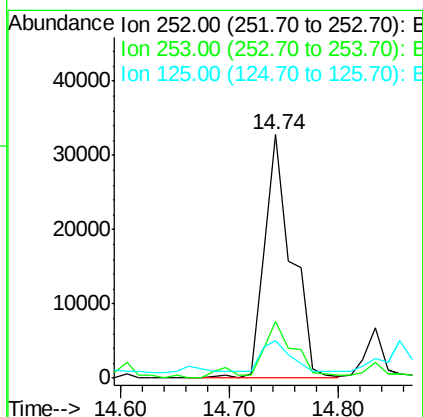
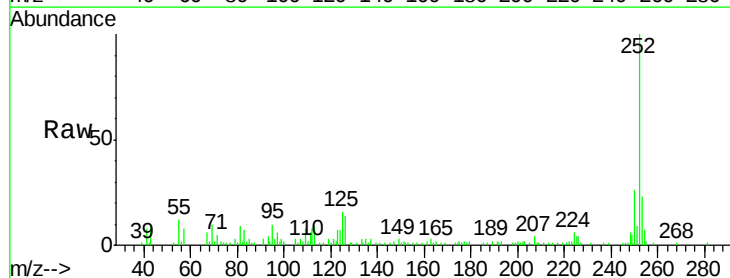
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.3	16.9	25.3

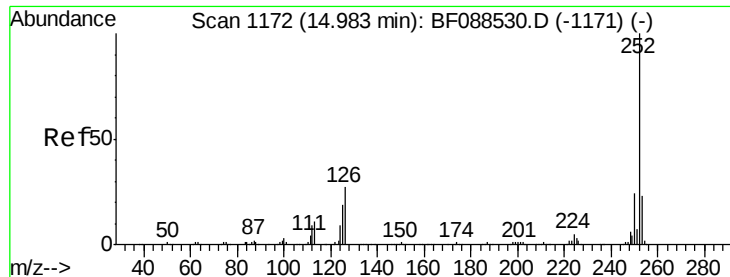


#87
Benzo(b)fluoranthene
Concen: 9.25 ng
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion: 252 Resp: 57635

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	15.6	7.1	10.7

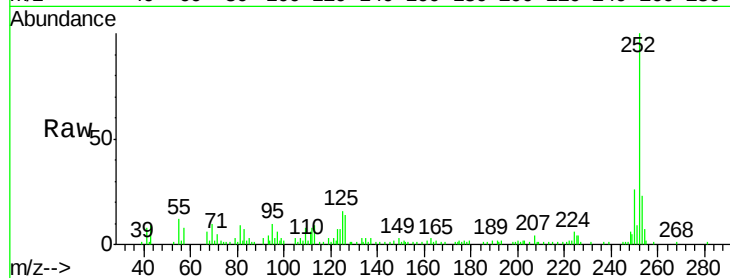




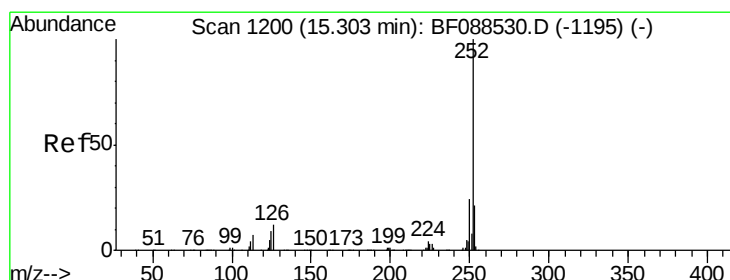
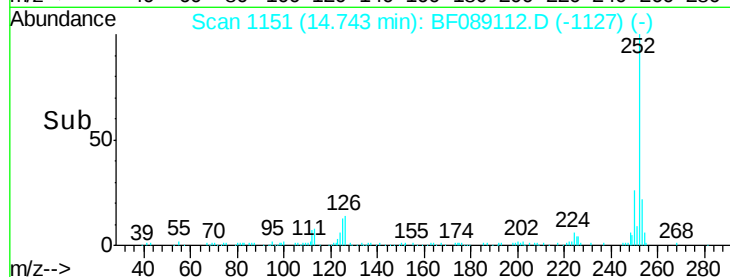
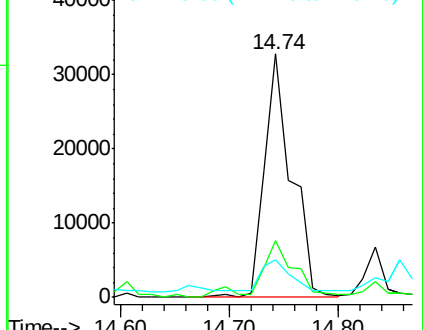
#88
Benzo(k)fluoranthene
Concen: 10.63 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Instrument :
BNA_F
ClientSampleId :
F9-B1(0-6)C

Tgt Ion:252 Resp: 57635
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 15.6 11.2 16.8

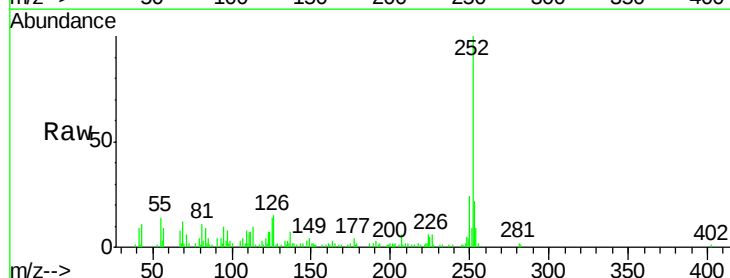


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

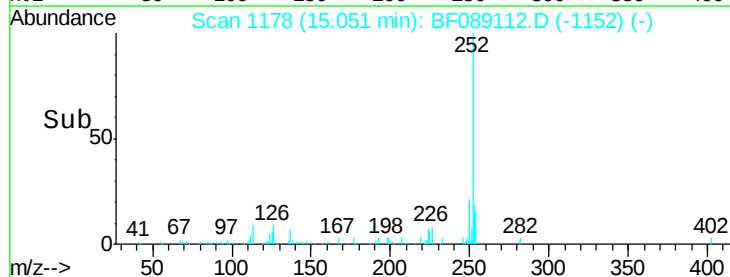
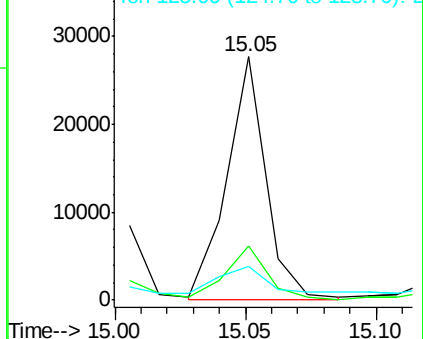


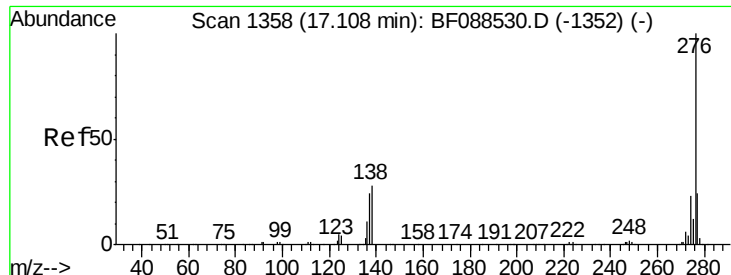
#89
Benzo(a)pyrene
Concen: 5.54 ng
RT: 15.05 min Scan# 1178
Delta R.T. 0.00 min
Lab File: BF089112.D
Acq: 19 Jul 2016 12:15

Tgt Ion:252 Resp: 29216
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 13.9 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: 3.29 ng

RT: 16.71 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF089112.D

Acq: 19 Jul 2016 12:15

Instrument :

BNA_F

ClientSampleId :

F9-B1(0-6)C

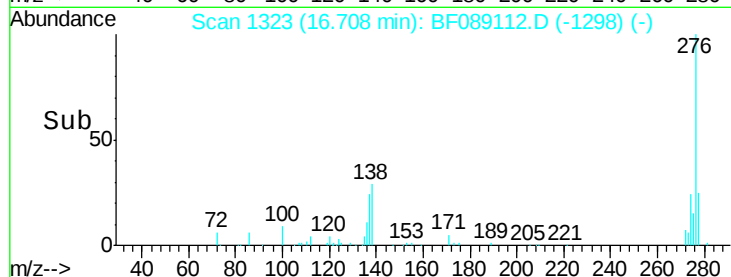
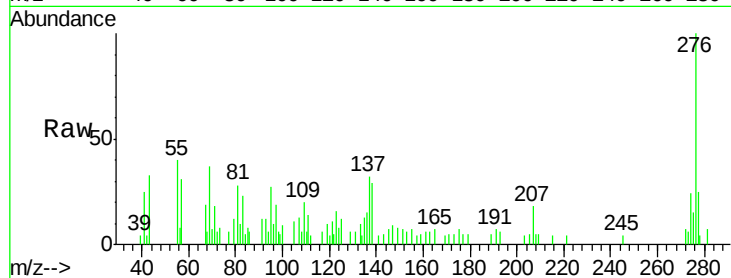
Tgt Ion: 276 Resp: 15015

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 28.8 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

