

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089501.D
 Acq On : 1 Aug 2016 8:43
 Operator : UM/SJ
 Sample : H4215-02DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 13:54:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	33850	20.00	ng	-0.06
21) Naphthalene-d8	7.78	136	131482	20.00	ng	-0.05
38) Acenaphthene-d10	9.52	164	47640	20.00	ng	-0.06
63) Phenanthrene-d10	10.99	188	94127	20.00	ng	-0.06
75) Chrysene-d12	13.62	240	86819	20.00	ng	-0.05
86) Perylene-d12	14.95	264	66474	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.06	112	22884	10.79	ng	-0.05
7) Phenol-d6	6.16	99	32556	11.62	ng	-0.05
23) Nitrobenzene-d5	7.07	82	17020	7.64	ng	-0.05
41) 2,4,6-Tribromophenol	10.31	330	4038	10.23	ng	-0.06
44) 2-Fluorobiphenyl	8.86	172	29561	9.11	ng	-0.06
78) Terphenyl-d14	12.58	244	24277	6.54	ng	-0.05

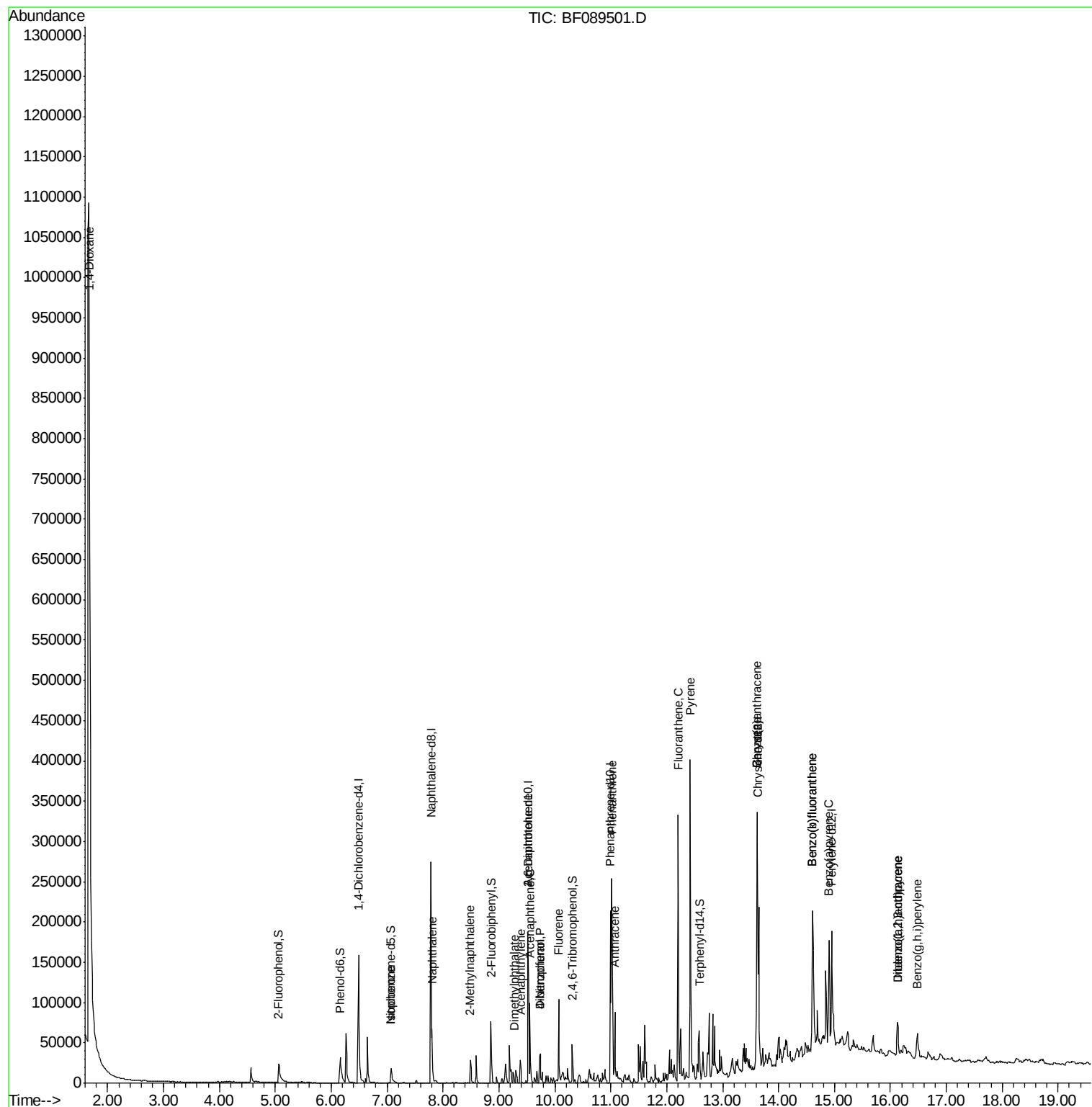
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.67	88	66220	71.73	ng	# 26
25) Isophorone	7.07	82	15261	3.40	ng	# 67
31) Naphthalene	7.80	128	32949	5.06	ng	99
37) 2-Methylnaphthalene	8.49	142	12789	3.26	ng	94
48) Acenaphthylene	9.38	152	15094	3.15	ng	# 97
49) Dimethylphthalate	9.27	163	8281	2.28	ng	# 96
50) 2,6-Dinitrotoluene	9.52	165	6432	8.63	ng	# 24
51) Acenaphthene	9.55	154	22416	8.00	ng	98
54) Dibenzofuran	9.74	168	21162	5.54	ng	# 94
55) 4-Nitrophenol	9.74	139	8419	26.47	ng	# 4
57) Fluorene	10.07	166	32013	9.60	ng	98
70) Phenanthrene	11.02	178	114074	23.50	ng	99
71) Anthracene	11.07	178	45747	8.48	ng	99
74) Fluoranthene	12.20	202	178649	34.98	ng	98
77) Pyrene	12.42	202	161671	24.57	ng	98
80) Benzo(a)anthracene	13.61	228	99813	20.37	ng	95
82) Chrysene	13.61	228	99813	19.14	ng	99
85) Indeno(1,2,3-cd)pyrene	16.13	276	30070	8.11	ng	# 90
87) Benzo(b)fluoranthene	14.61	252	110300	26.72	ng	# 96
88) Benzo(k)fluoranthene	14.61	252	109711	28.91	ng	98
89) Benzo(a)pyrene	14.90	252	53985	14.58	ng	96
90) Dibenz(a,h)anthracene	16.14	278	11424	3.92	ng	# 87
91) Benzo(g,h,i)perylene	16.48	276	25610	8.93	ng	97

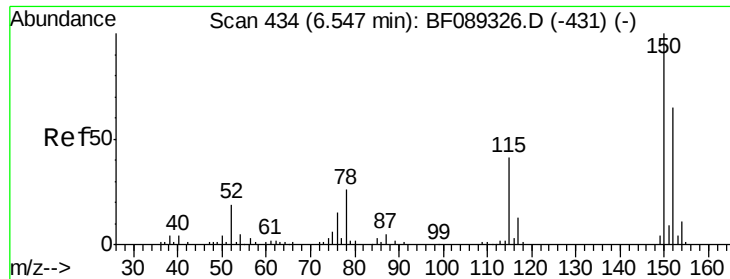
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.06 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

Instrument :

BNA_F

ClientSampled :

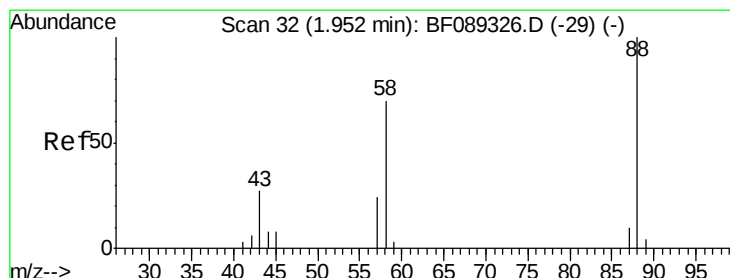
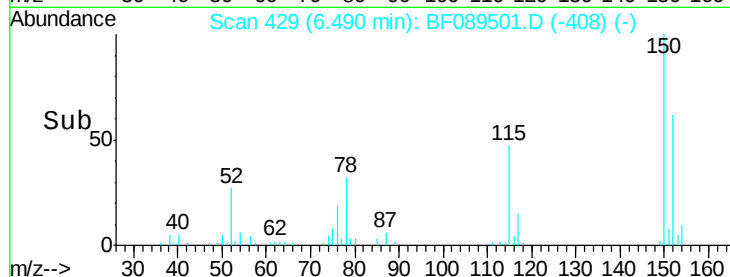
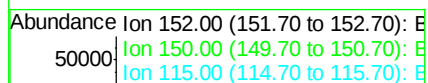
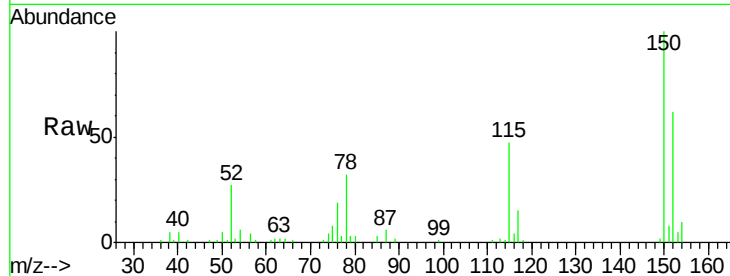
Tot Ion:152 Resp: 33850

Ion Ratio Lower Upper

152 100

150 162.2 129.5 194.3

115 75.8 51.4 77.2



#2

1,4-Dioxane

Concen: 71.73 ng

RT: 1.67 min Scan# 7

Delta R.T. -0.29 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

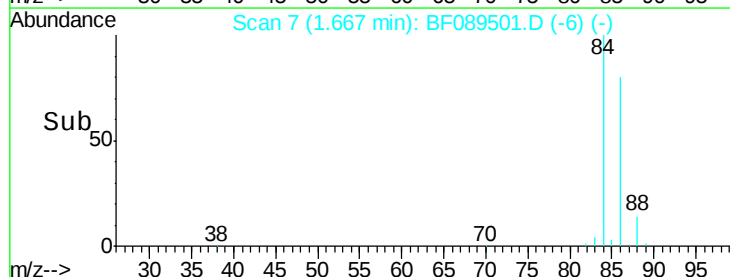
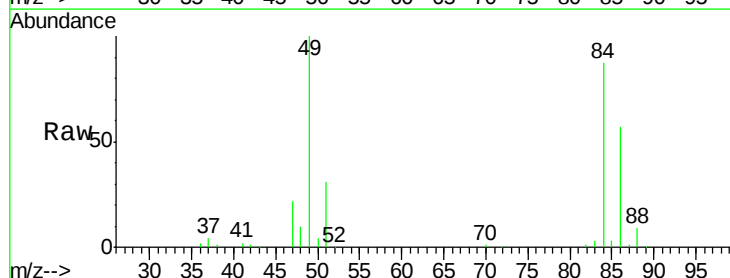
Tgt Ion: 88 Resp: 66220

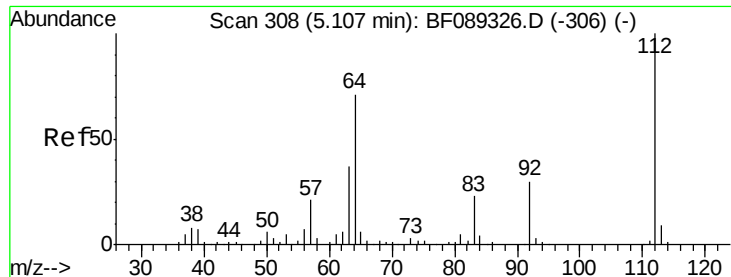
Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

43 0.0 20.6 31.0#





#5

2-Fluorophenol

Concen: 10.79 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.05 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

Instrument :

BNA_F

ClientSampleId :

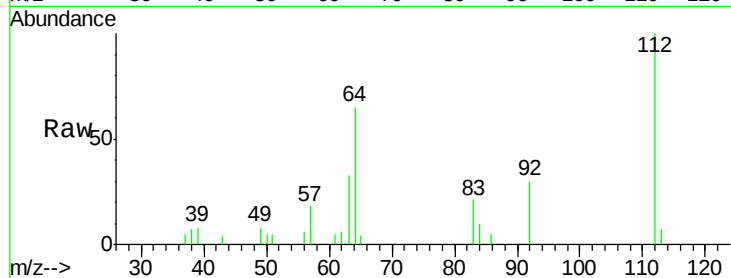
Tot Ion:112 Resp: 22884

Ion Ratio Lower Upper

112 100

64 65.0 55.0 82.6

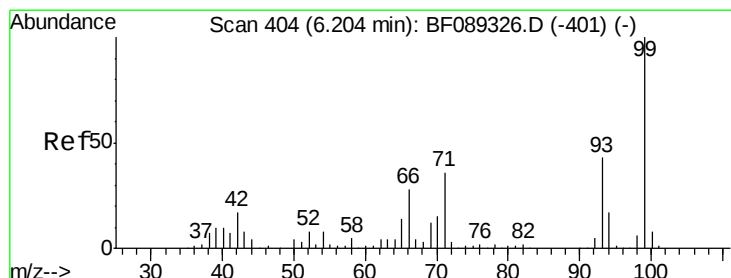
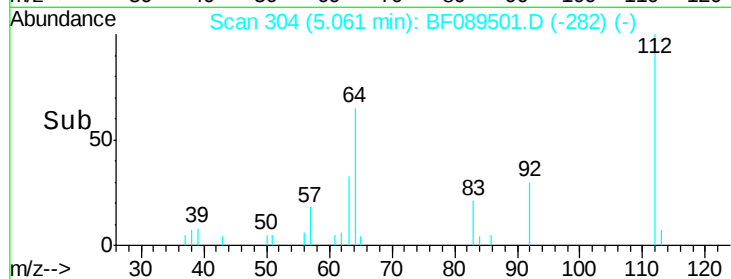
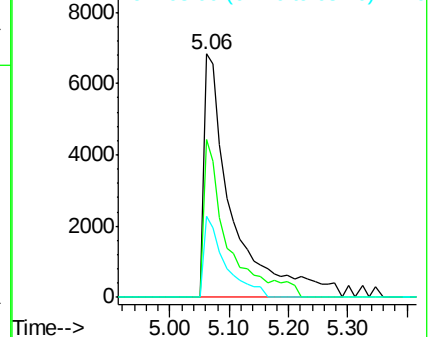
63 33.3 29.4 44.2



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: 11.62 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.05 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

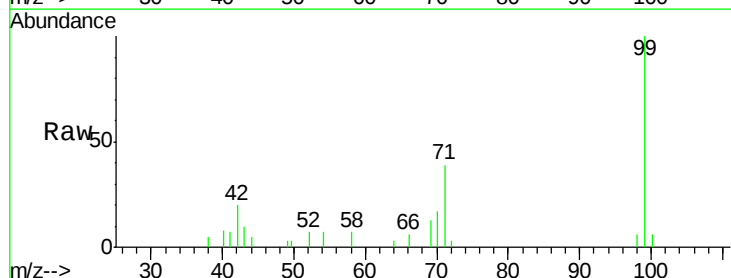
Tgt Ion: 99 Resp: 32556

Ion Ratio Lower Upper

99 100

42 19.6 13.6 20.4

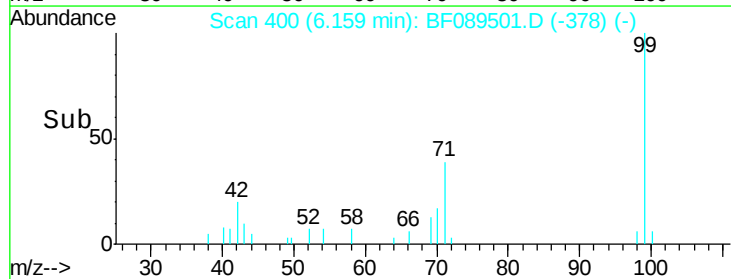
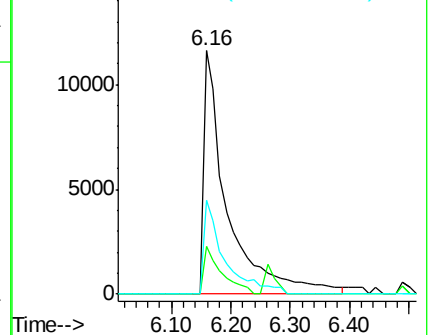
71 38.7 29.4 44.2

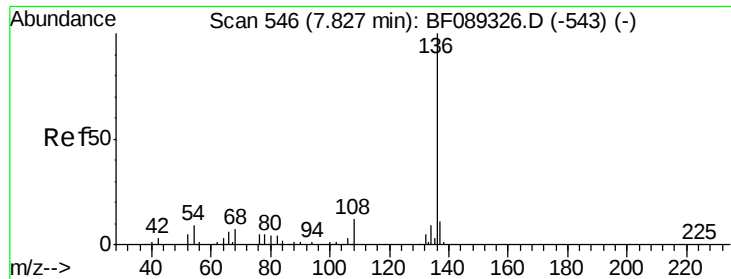


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

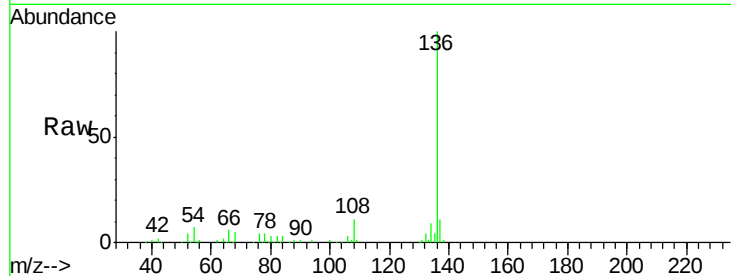
Delta R.T. -0.05 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	131482
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.6 13.0
54	7.3	7.0 10.4
68	5.4	4.9 7.3

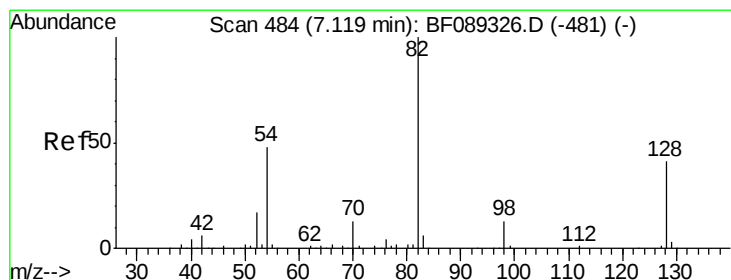
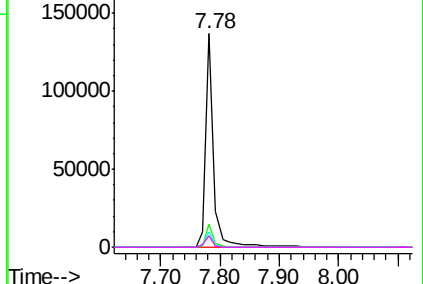
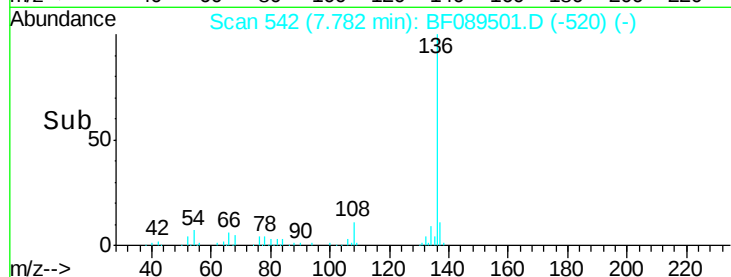


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.64 ng

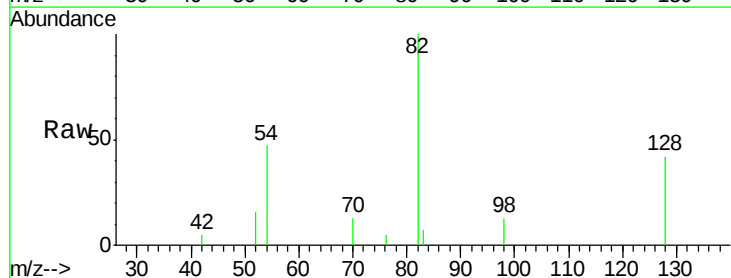
RT: 7.07 min Scan# 480

Delta R.T. -0.05 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

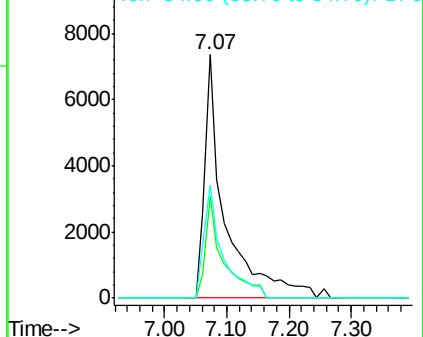
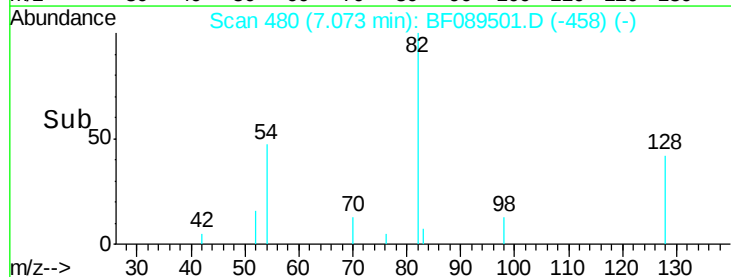
Tgt Ion: 82	Resp:	17020
Ion Ratio	Lower	Upper
82	100	
128	41.7	32.5 48.7
54	46.7	38.8 58.2

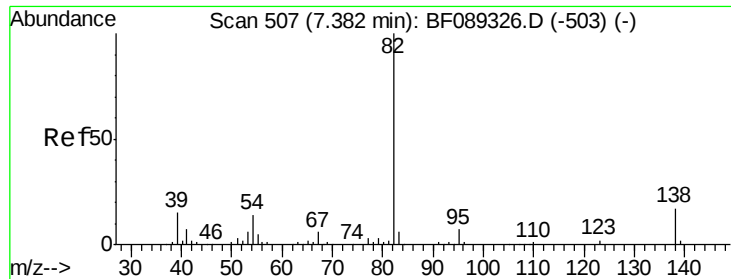


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 3.40 ng

RT: 7.07 min Scan# 480

Delta R.T. -0.31 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

Instrument :

BNA_F

ClientSampled :

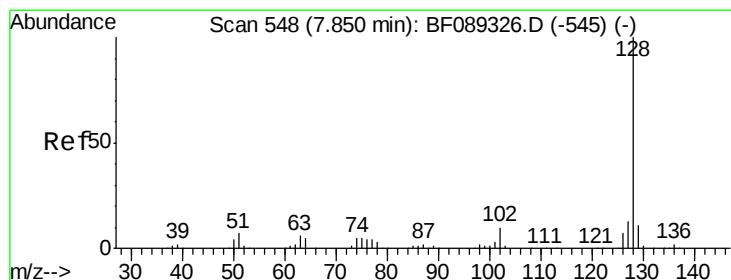
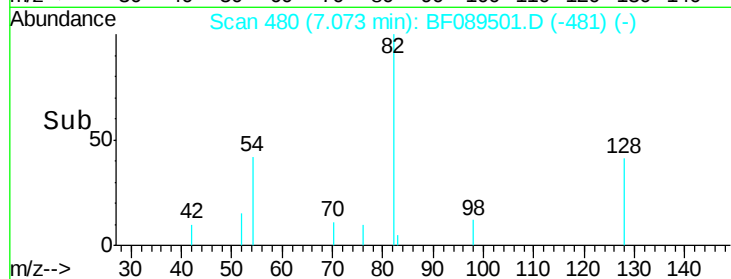
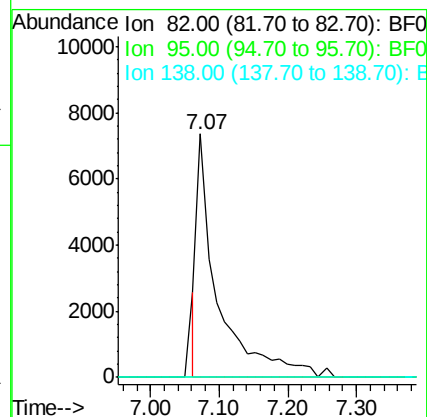
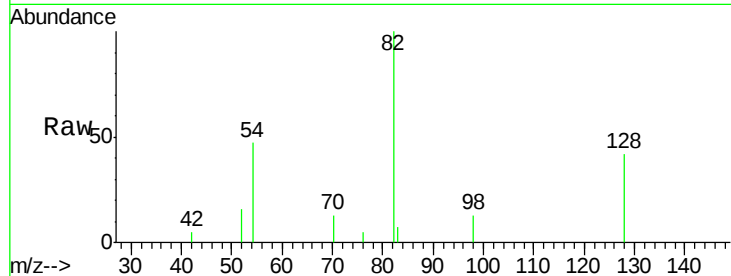
Tot Ion: 82 Resp: 15261

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.3 19.9#



#31

Naphthalene

Concen: 5.06 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.05 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

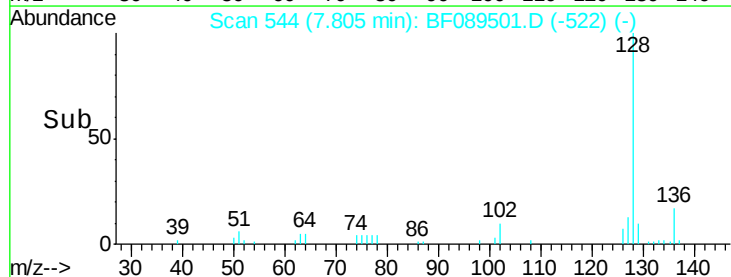
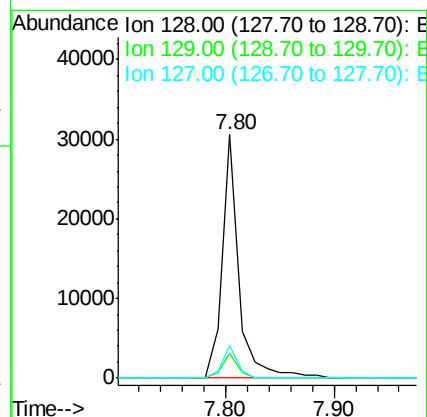
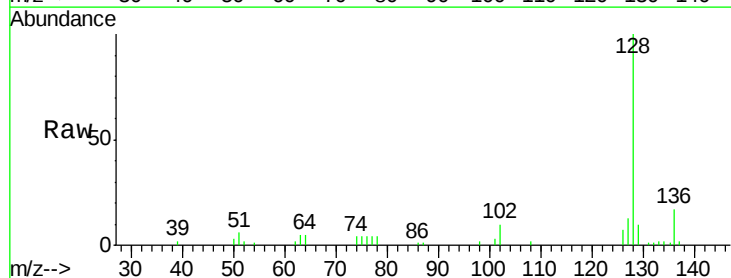
Tgt Ion: 128 Resp: 32949

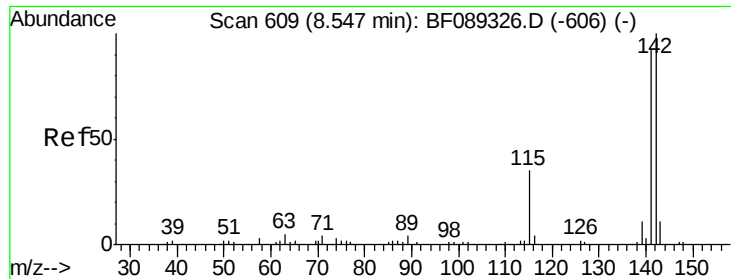
Ion Ratio Lower Upper

128 100

129 10.3 8.8 13.2

127 13.2 10.8 16.2

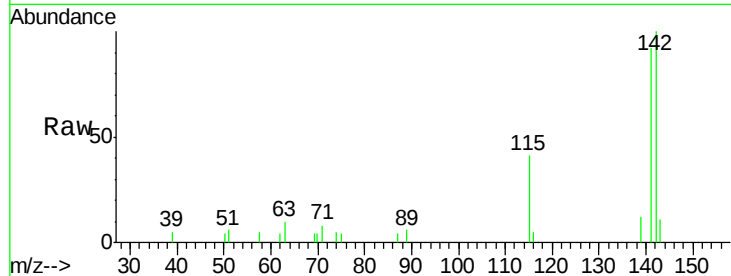




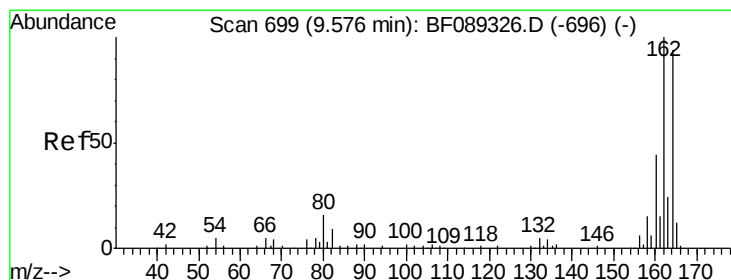
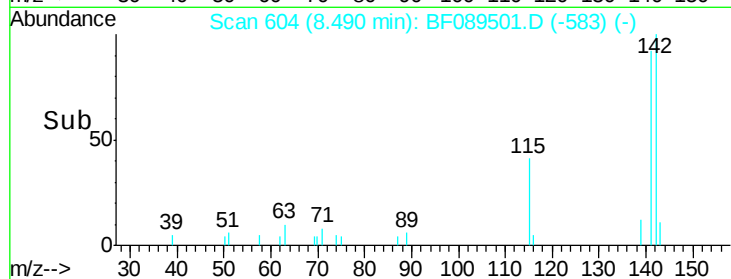
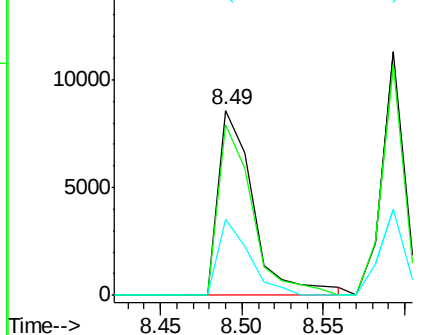
#37
 2-Methylnaphthalene
 Concen: 3.26 ng
 RT: 8.49 min Scan# 604
 Delta R.T. -0.06 min
 Lab File: BF089501.D
 Acq: 1 Aug 2016 8:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:142 Resp: 12789
 Ion Ratio Lower Upper
 142 100
 141 91.8 70.9 106.3
 115 41.2 27.6 41.4

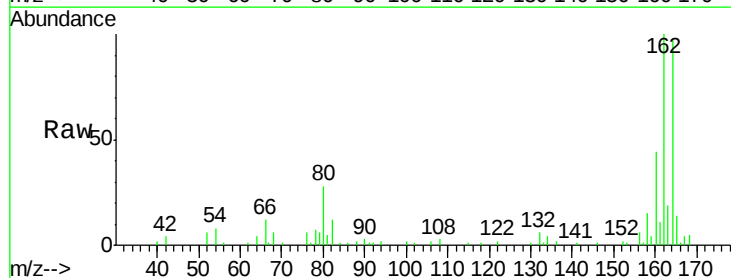


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

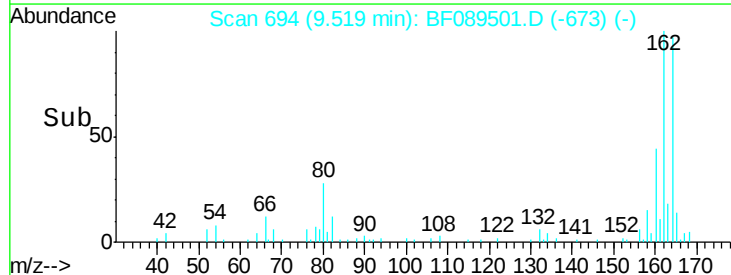
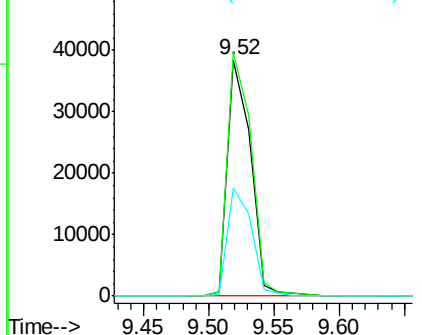


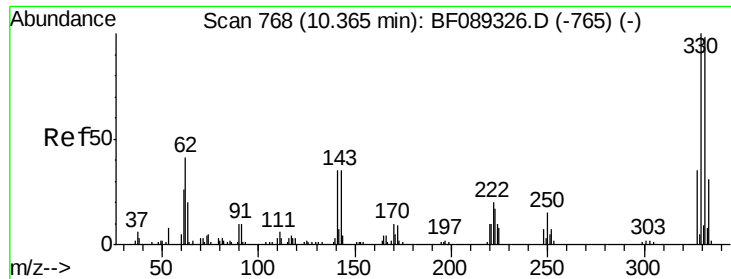
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 694
 Delta R.T. -0.06 min
 Lab File: BF089501.D
 Acq: 1 Aug 2016 8:43

Tgt Ion:164 Resp: 47640
 Ion Ratio Lower Upper
 164 100
 162 103.1 83.7 125.5
 160 45.5 37.8 56.6



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

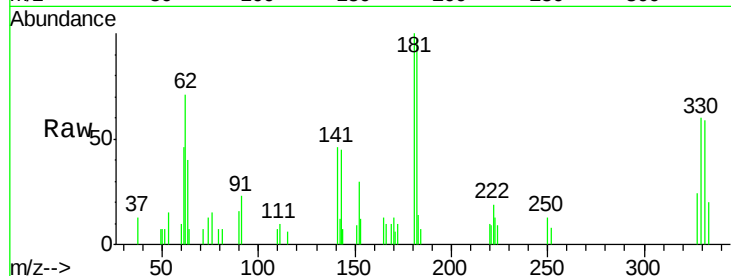




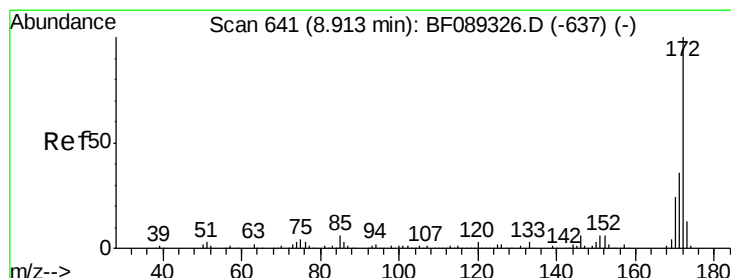
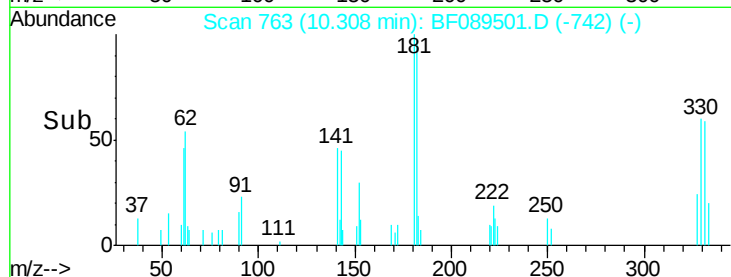
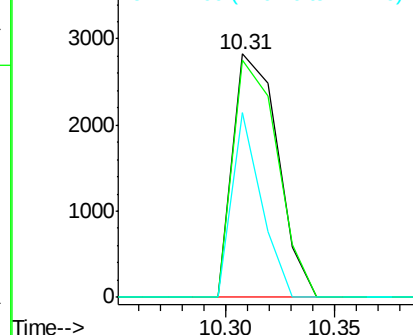
#41
 2,4,6-Tribromophenol
 Concen: 10.23 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF089501.D
 Acq: 1 Aug 2016 8:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 4038
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.8 115.2
 141 49.4 37.3 55.9

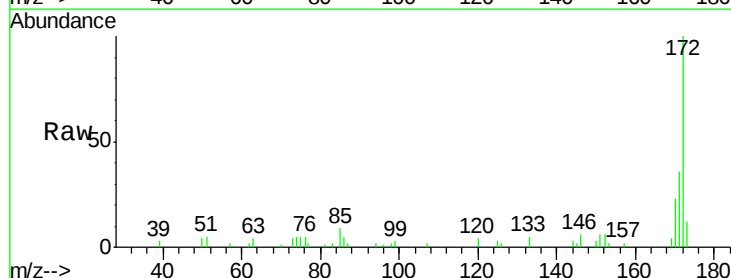


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

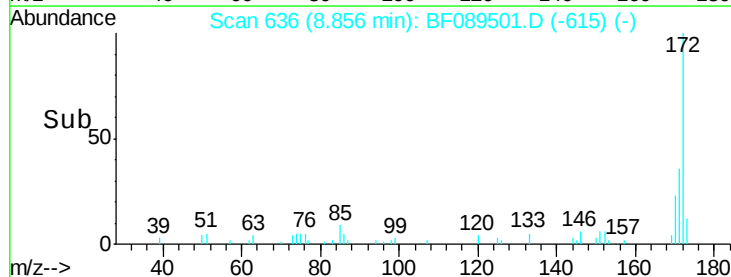
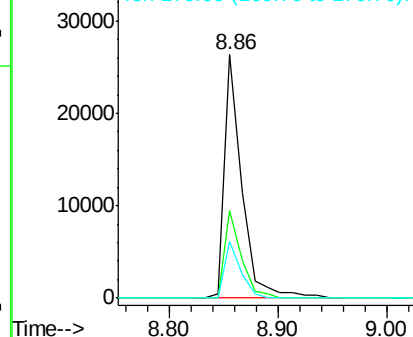


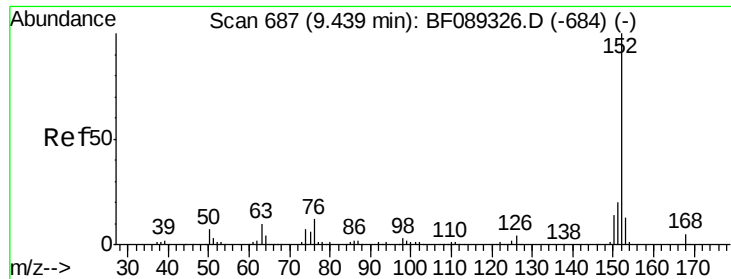
#44
 2-Fluorobiphenyl
 Concen: 9.11 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.06 min
 Lab File: BF089501.D
 Acq: 1 Aug 2016 8:43

Tgt Ion:172 Resp: 29561
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.2 43.8
 170 23.2 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





#48

Acenaphthylene

Concen: 3.15 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.06 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

Instrument :

BNA_F

ClientSampleId :

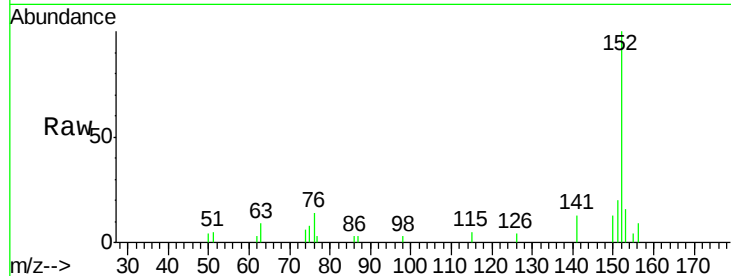
Tot Ion:152 Resp: 15094

Ion Ratio Lower Upper

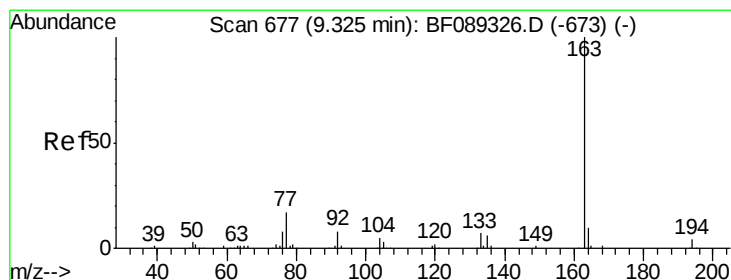
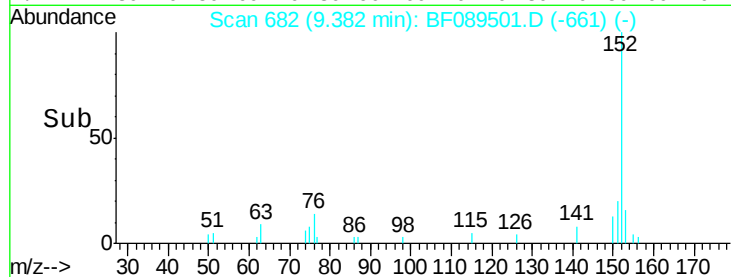
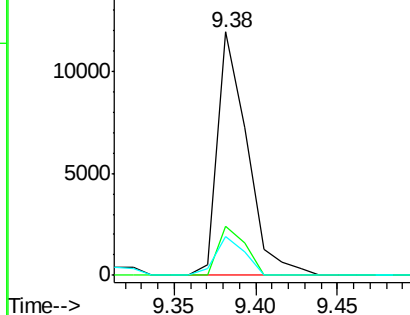
152 100

151 20.3 16.2 24.2

153 15.9 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.28 ng

RT: 9.27 min Scan# 672

Delta R.T. -0.06 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

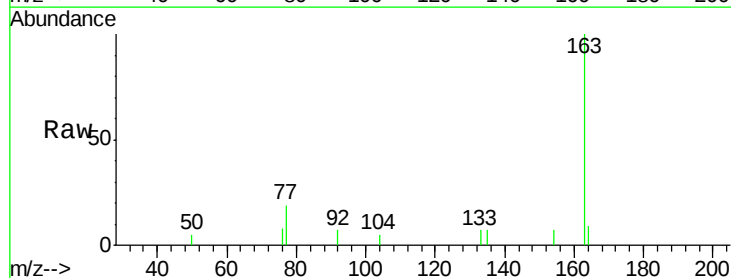
Tgt Ion:163 Resp: 8281

Ion Ratio Lower Upper

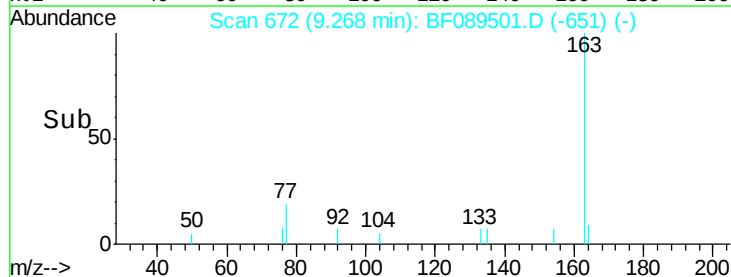
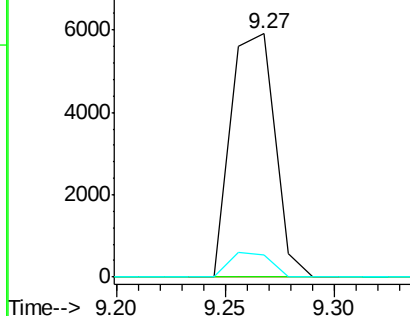
163 100

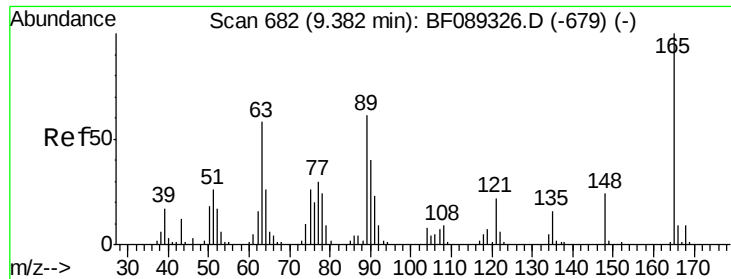
194 0.0 2.8 4.2#

164 9.1 7.8 11.8



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

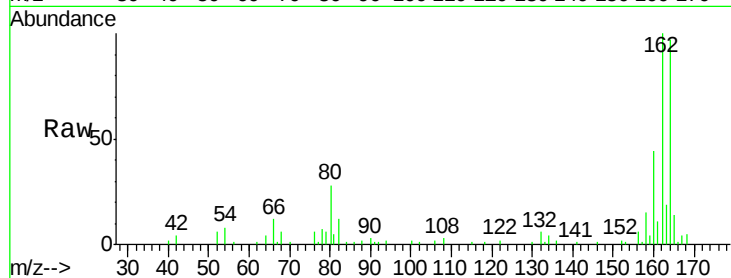




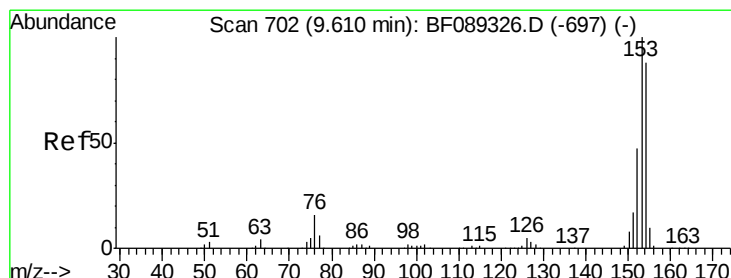
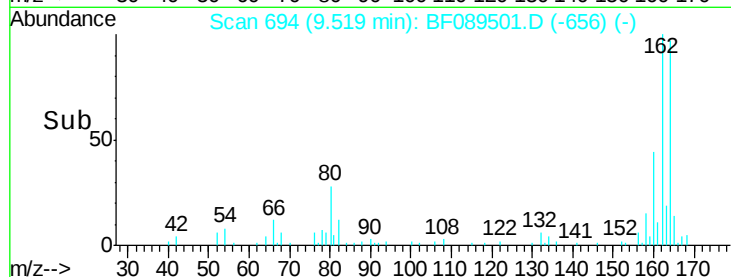
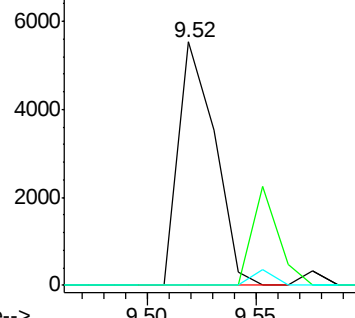
#50
2,6-Dinitrotoluene
Concen: 8.63 ng
RT: 9.52 min Scan# 694
Delta R.T. 0.14 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.5	65.3#
89	0.0	45.0	67.4#

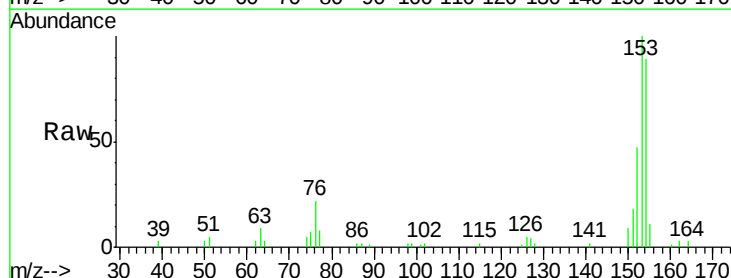


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

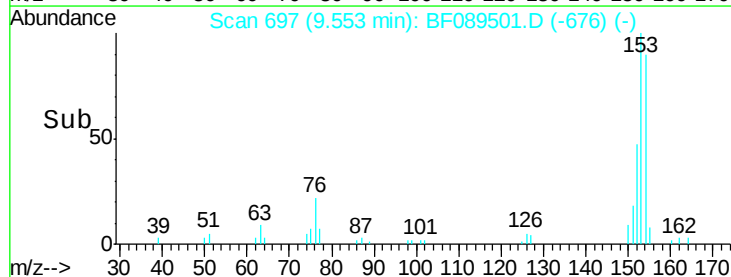
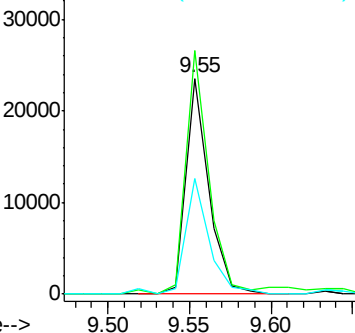


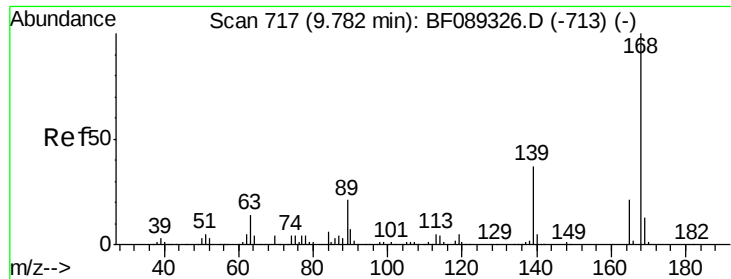
#51
Acenaphthene
Concen: 8.00 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.7	91.4	137.2
152	53.2	43.8	65.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

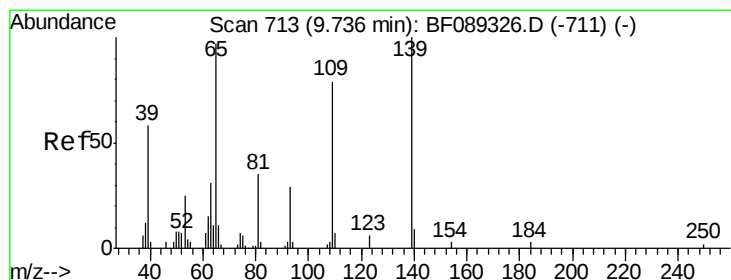
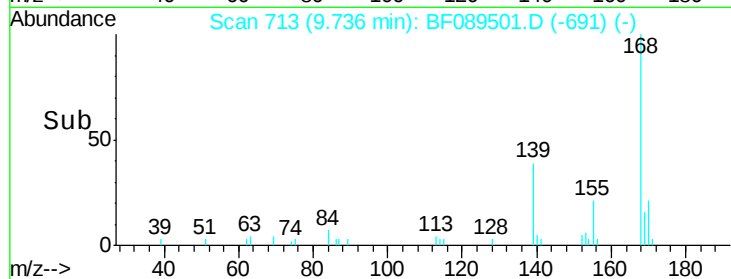
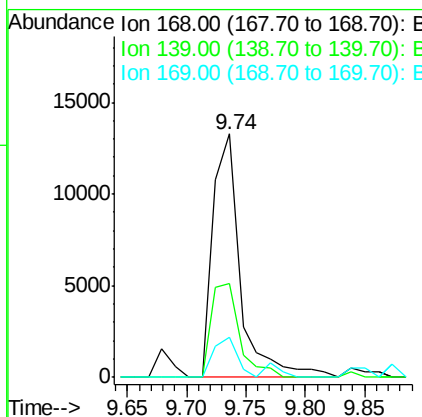
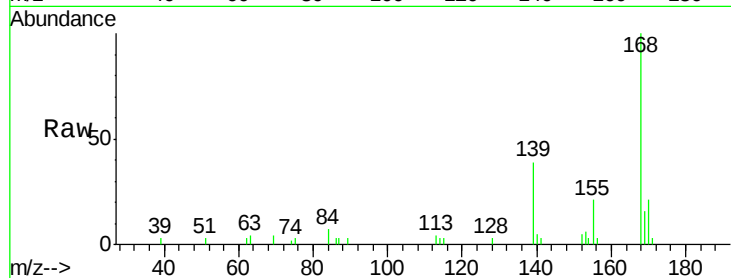




#54
Dibenzofuran
Concen: 5.54 ng
RT: 9.74 min Scan# 713
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

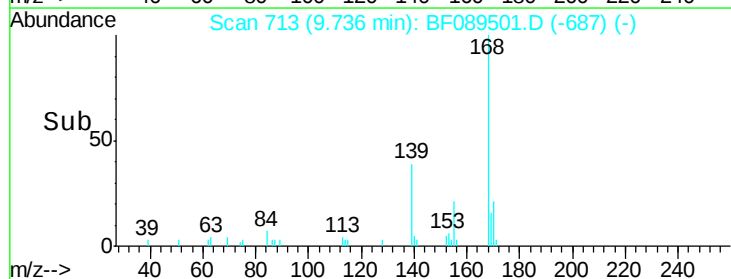
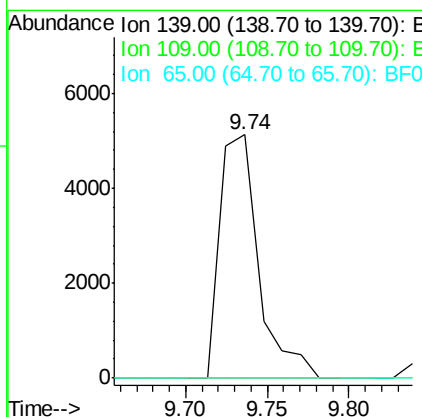
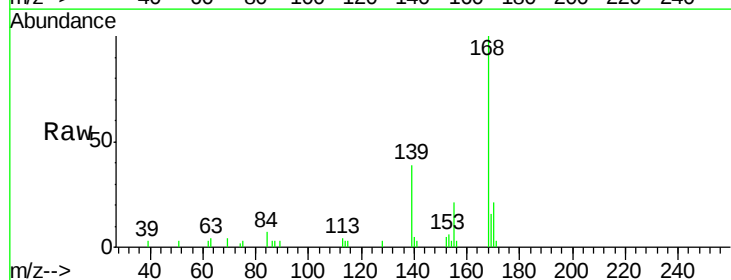
Instrument :
BNA_F
ClientSampleId :

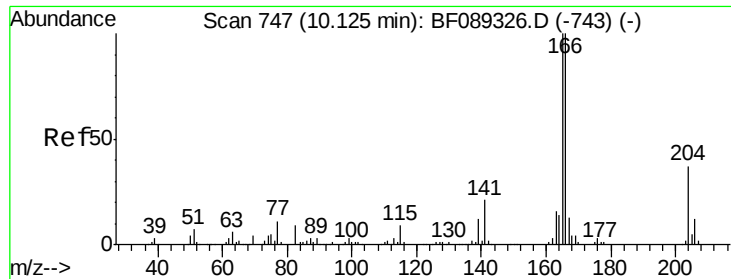
Tot Ion:168 Resp: 21162
Ion Ratio Lower Upper
168 100
139 38.6 33.7 50.5
169 16.4 10.7 16.1#



#55
4-Nitrophenol
Concen: 26.47 ng
RT: 9.74 min Scan# 713
Delta R.T. 0.00 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:139 Resp: 8419
Ion Ratio Lower Upper
139 100
109 0.0 57.8 97.8#
65 0.0 81.7 121.7#

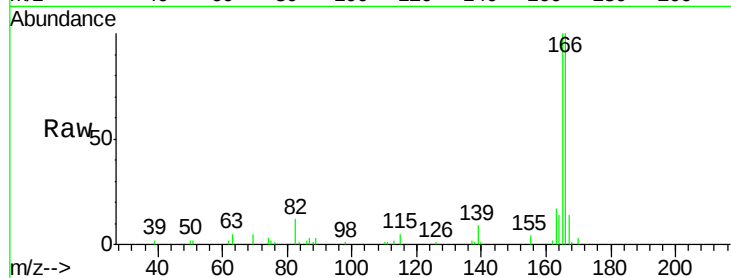




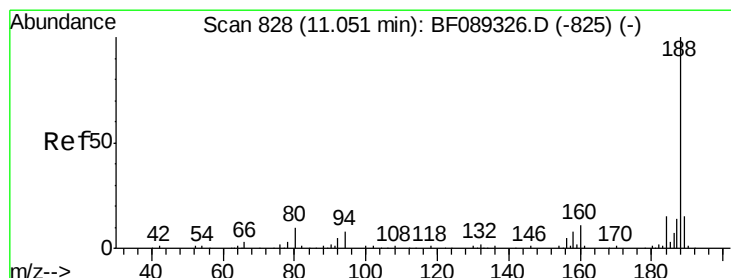
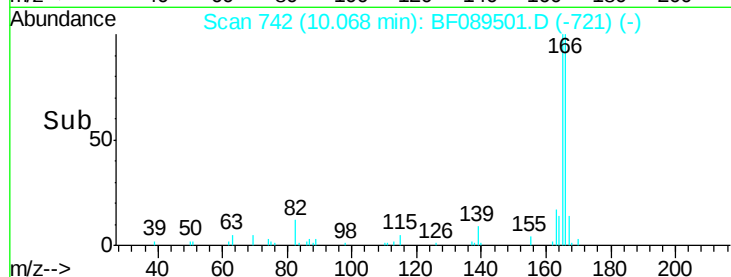
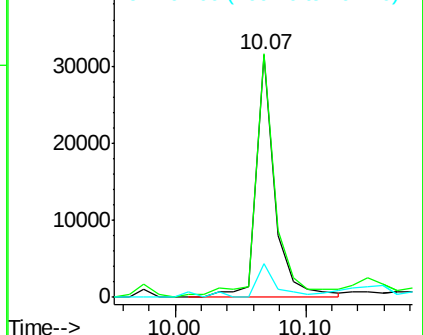
#57
Fluorene
 Concen: 9.60 ng
 RT: 10.07 min Scan# 742
 Delta R.T. -0.06 min
 Lab File: BF089501.D
 Acq: 1 Aug 2016 8:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 32013
 Ion Ratio Lower Upper
 166 100
 165 100.3 79.0 118.4
 167 14.0 10.2 15.2

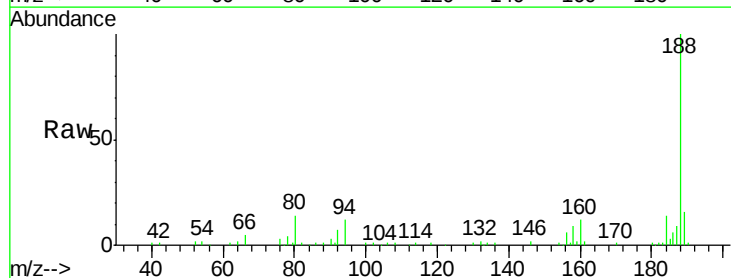


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

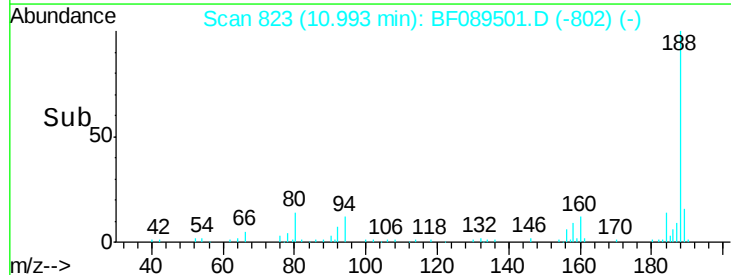
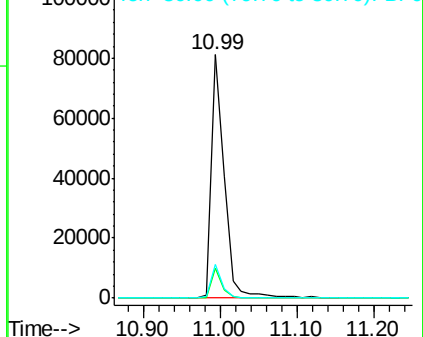


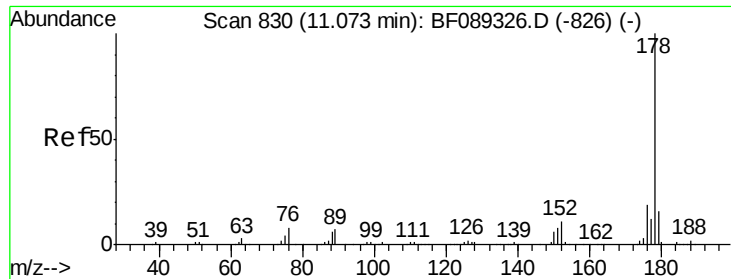
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 823
 Delta R.T. -0.06 min
 Lab File: BF089501.D
 Acq: 1 Aug 2016 8:43

Tgt Ion:188 Resp: 94127
 Ion Ratio Lower Upper
 188 100
 94 12.4 6.5 9.7#
 80 13.7 7.2 10.8#



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

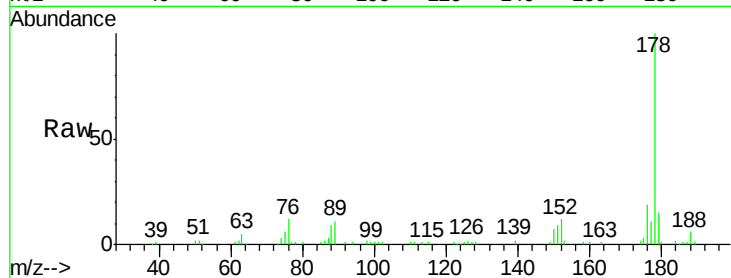




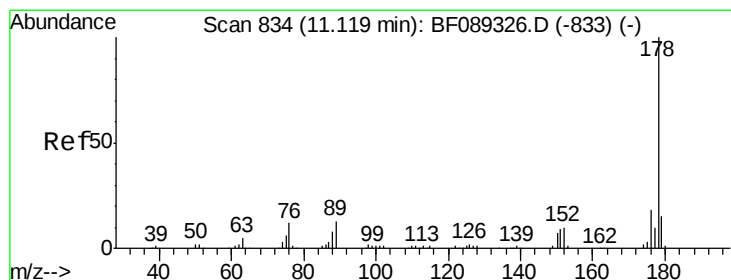
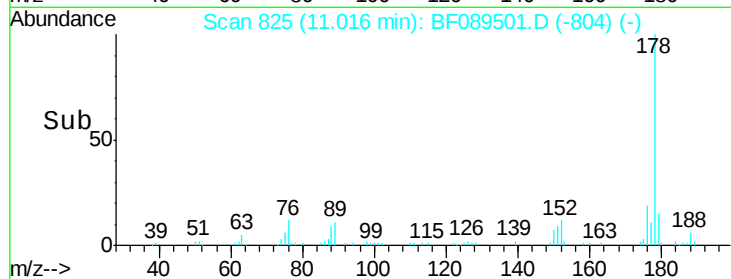
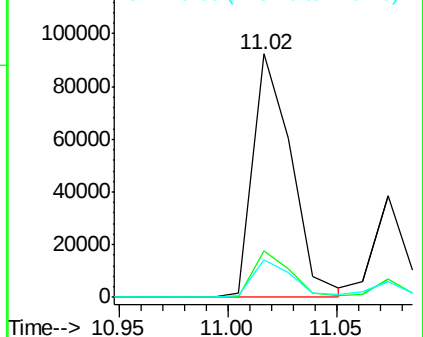
#70
Phenanthrene
Concen: 23.50 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.06 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 114074
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.2 12.3 18.5

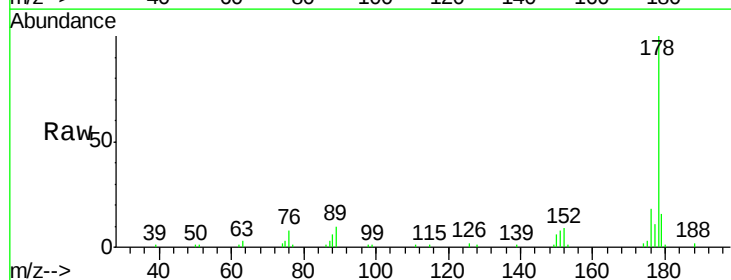


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

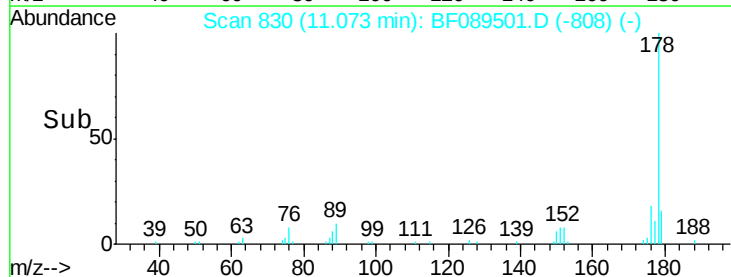
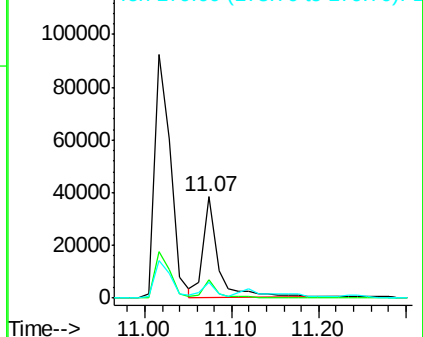


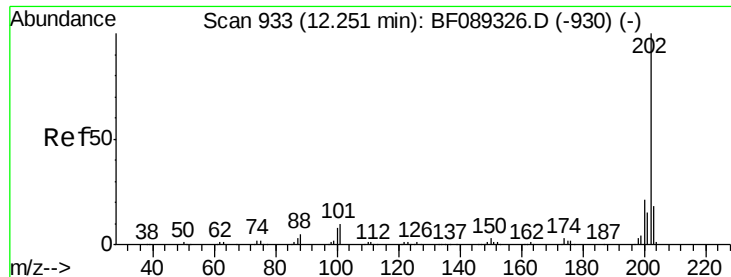
#71
Anthracene
Concen: 8.48 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:178 Resp: 45747
Ion Ratio Lower Upper
178 100
176 18.2 14.8 22.2
179 16.2 12.6 18.8



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

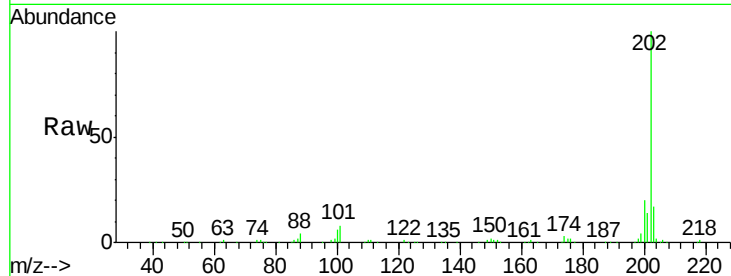




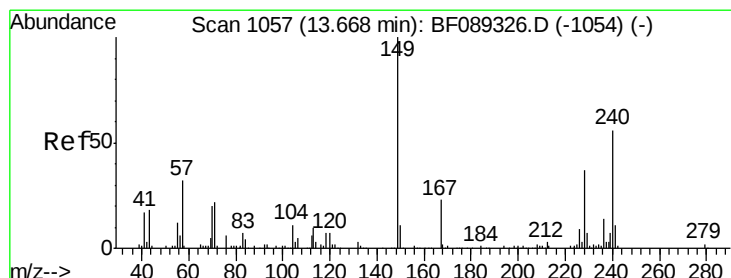
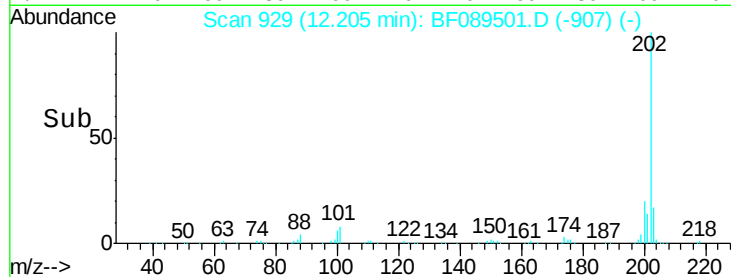
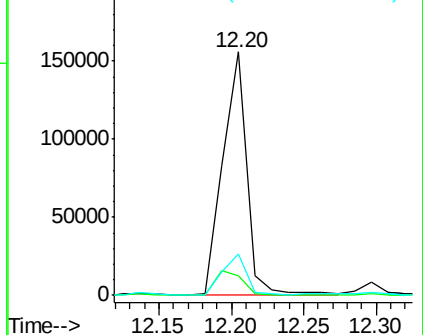
#74
Fluoranthene
Concen: 34.98 ng
RT: 12.20 min Scan# 929
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 178649
Ion Ratio Lower Upper
202 100
101 8.2 0.0 29.9
203 16.7 0.0 37.3

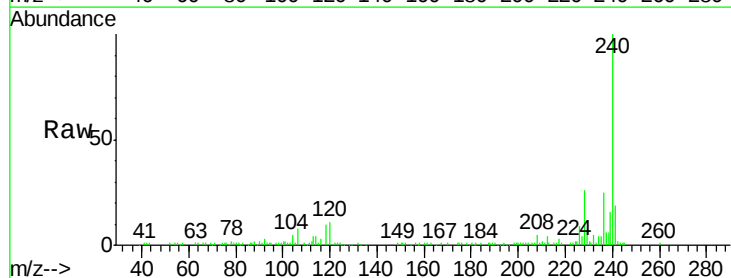


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

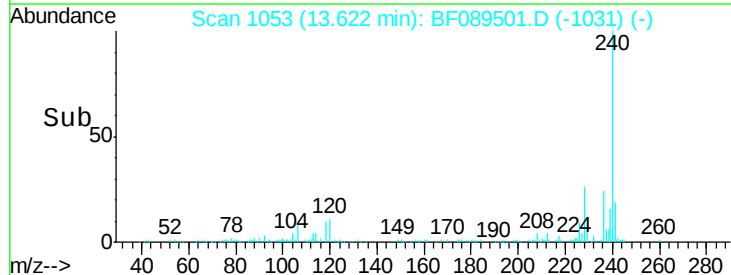
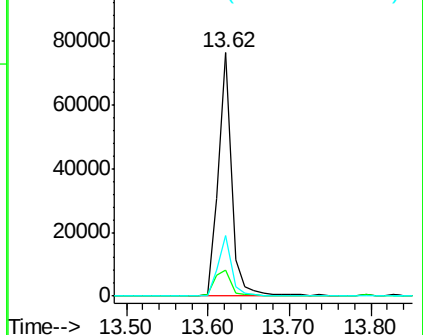


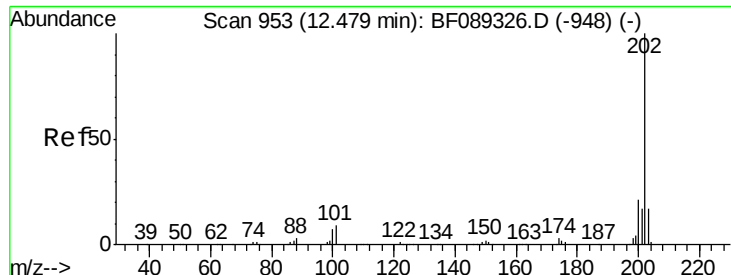
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.62 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:240 Resp: 86819
Ion Ratio Lower Upper
240 100
120 10.7 9.1 13.7
236 25.1 20.6 30.8



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

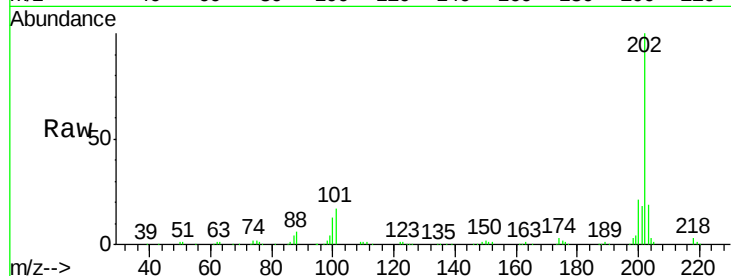




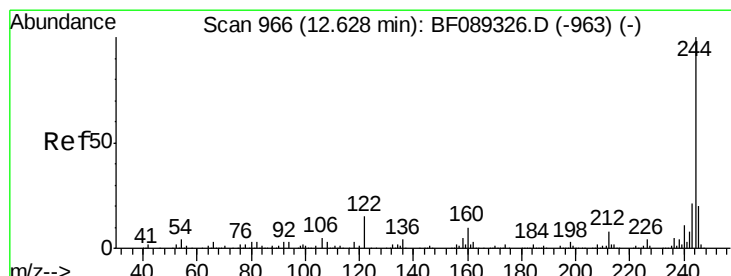
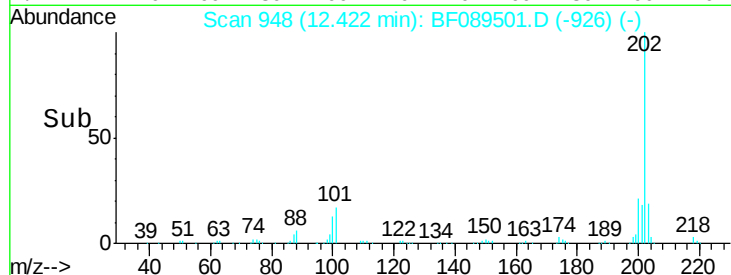
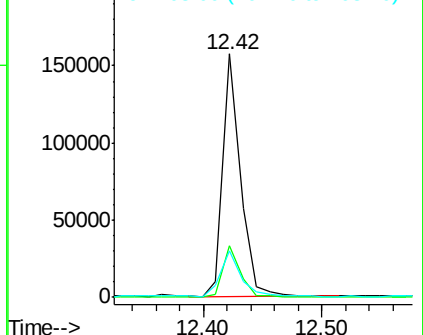
#77
Pvrene
Concen: 24.57 ng
RT: 12.42 min Scan# 948
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 161671
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 19.3 14.0 21.0

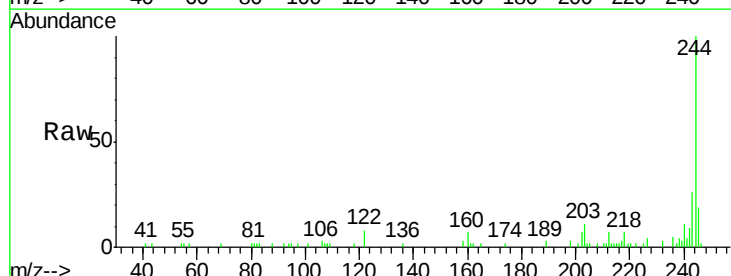


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

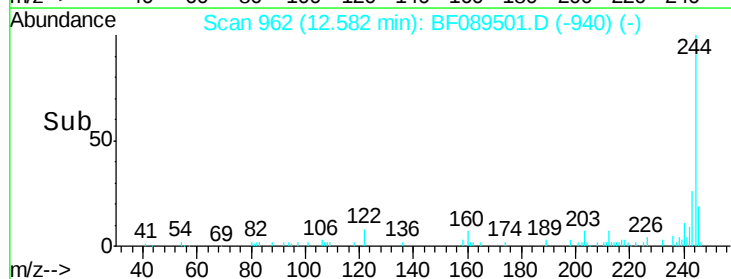
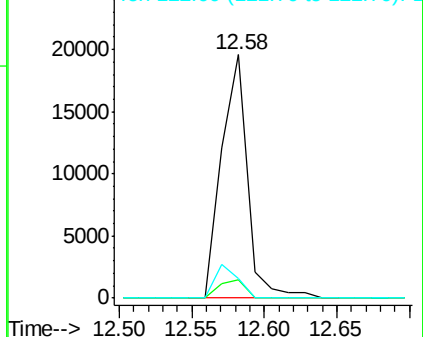


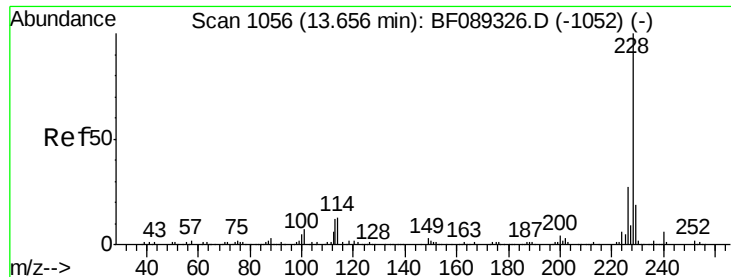
#78
Terphenyl-d14
Concen: 6.54 ng
RT: 12.58 min Scan# 962
Delta R.T. -0.05 min
Lab File: BF089501.D
Acq: 1 Aug 2016 8:43

Tgt Ion:244 Resp: 24277
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 8.3 11.4 17.0#



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





#80

Benzo(a)anthracene

Concen: 20.37 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.05 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

Instrument :

BNA_F

ClientSampleId :

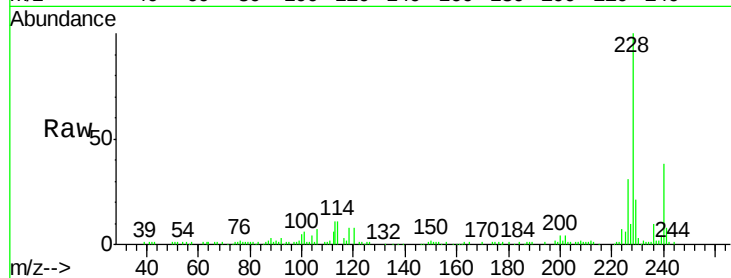
Tot Ion:228 Resp: 99813

Ion Ratio Lower Upper

228 100

226 30.6 21.4 32.2

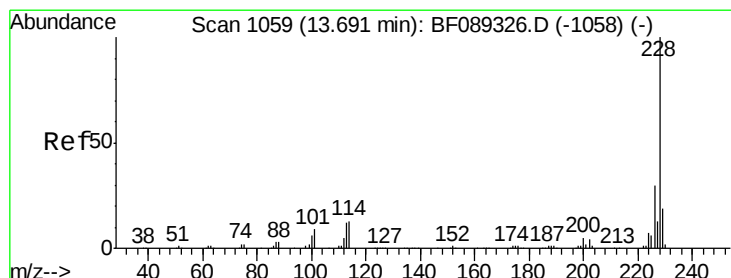
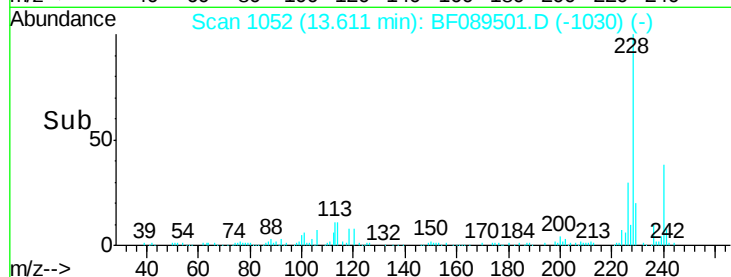
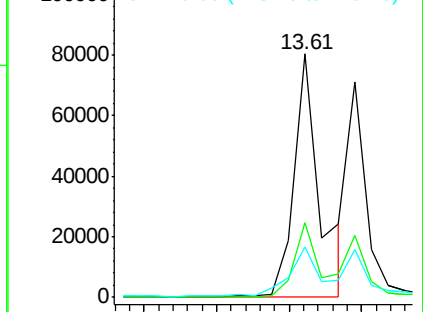
229 20.8 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 19.14 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.08 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

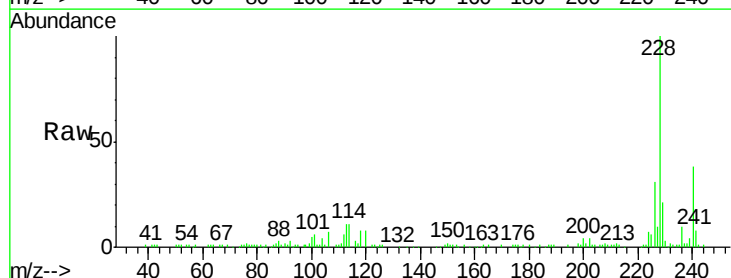
Tgt Ion:228 Resp: 99813

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

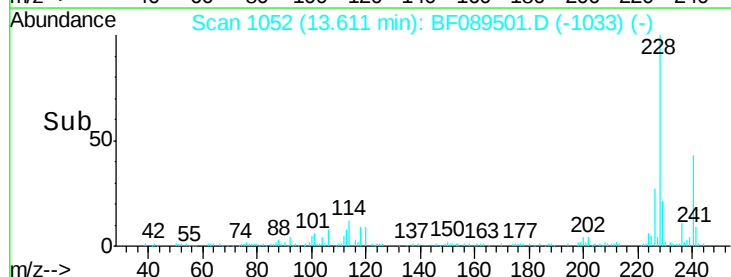
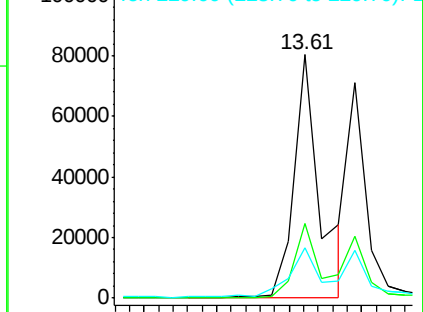
229 20.8 15.9 23.9

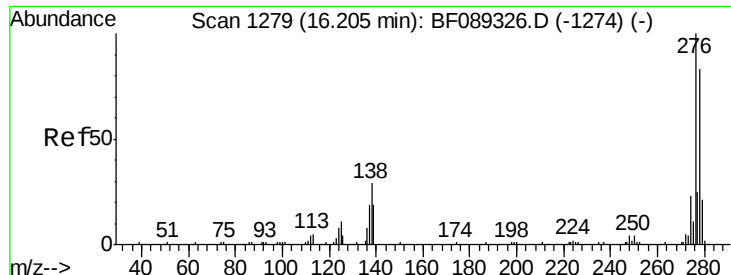


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

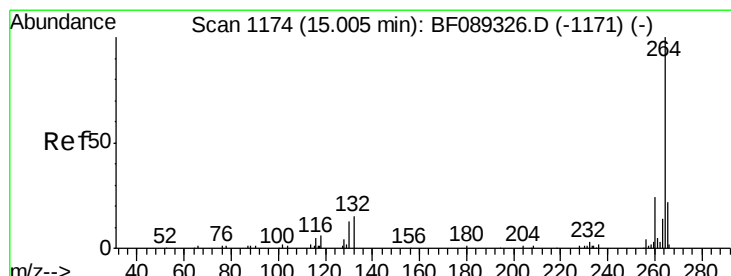
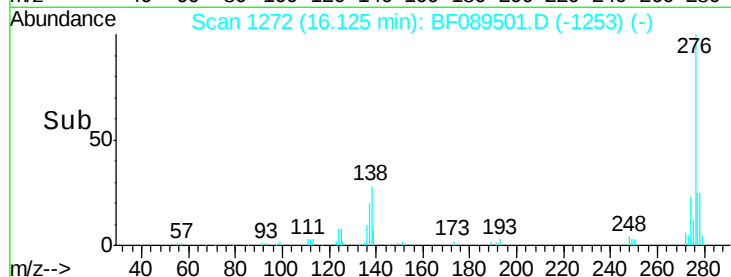
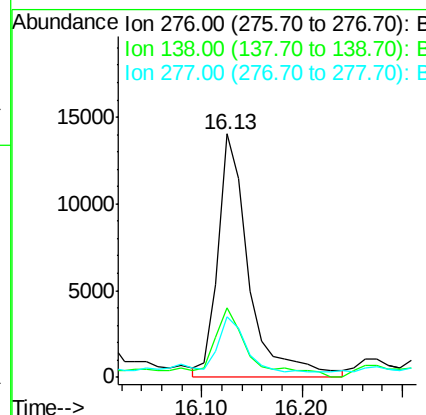
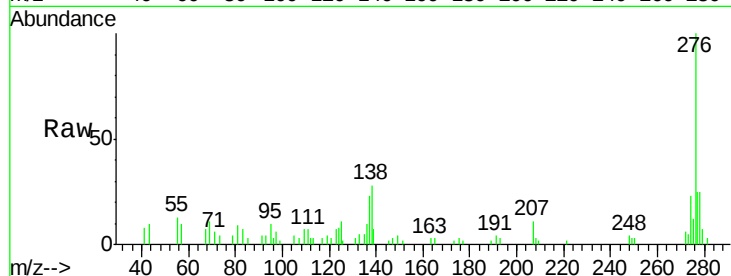




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.11 ng
 RT: 16.13 min Scan# 1272
 Delta R.T. -0.08 min
 Lab File: BF089501.D
 Acq: 1 Aug 2016 8:43

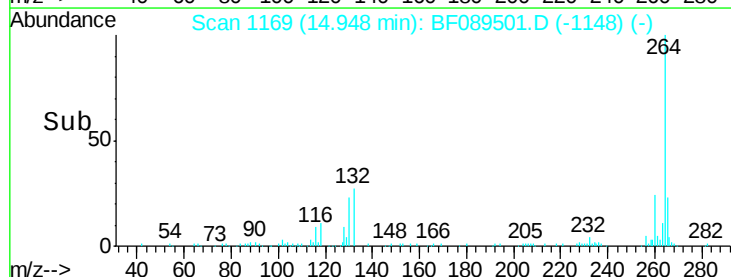
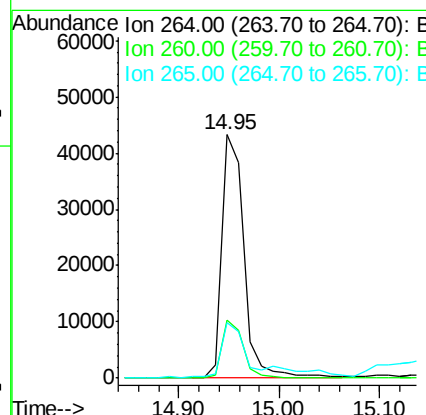
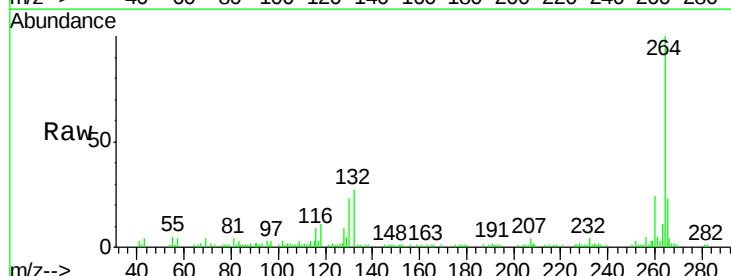
Instrument :
 BNA_F
 ClientSampleId :

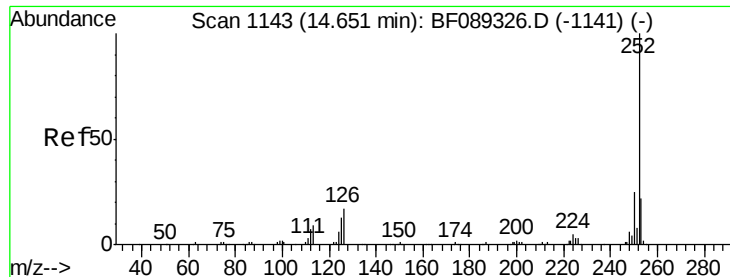
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.9	23.0	34.4
277	34.1	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.95 min Scan# 1169
 Delta R.T. -0.06 min
 Lab File: BF089501.D
 Acq: 1 Aug 2016 8:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	22.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 26.72 ng

RT: 14.61 min Scan# 1139

Delta R.T. -0.05 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

Instrument :

BNA_F

ClientSampleId :

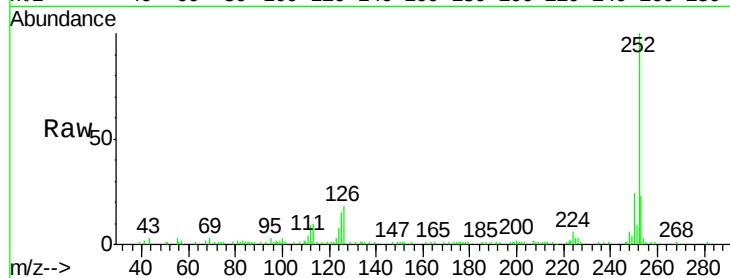
Tot Ion:252 Resp: 110300

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

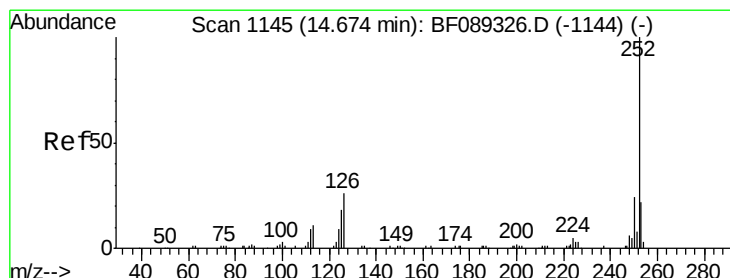
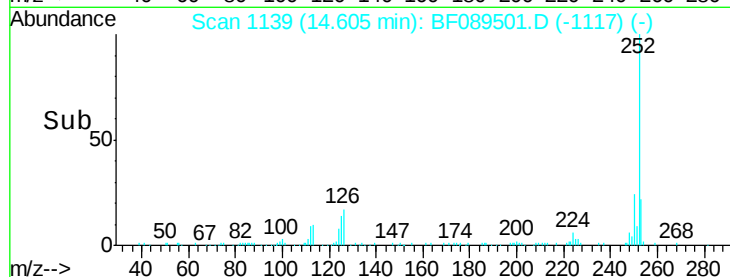
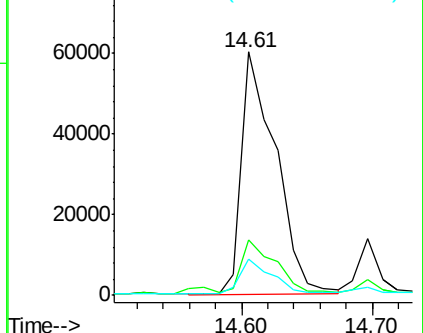
125 15.1 9.7 14.5#



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



#88

Benzo(k)fluoranthene

Concen: 28.91 ng

RT: 14.61 min Scan# 1139

Delta R.T. -0.07 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

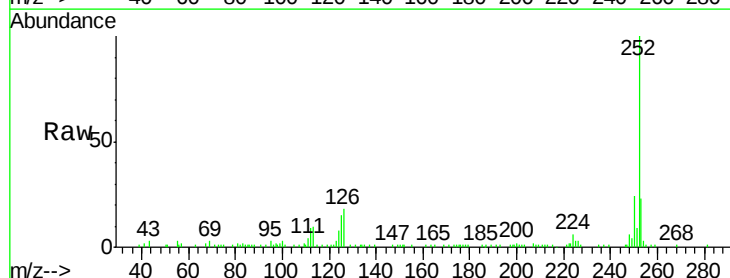
Tgt Ion:252 Resp: 109711

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

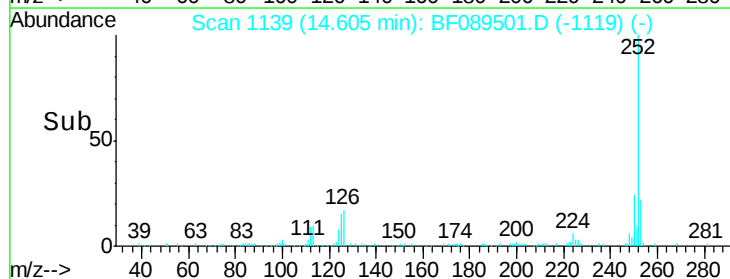
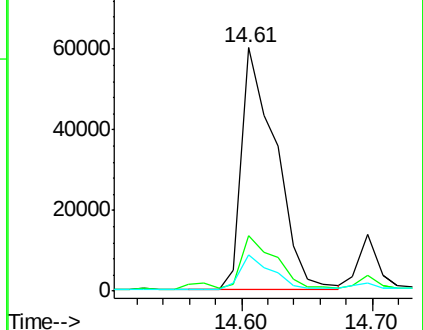
125 15.1 10.7 16.1

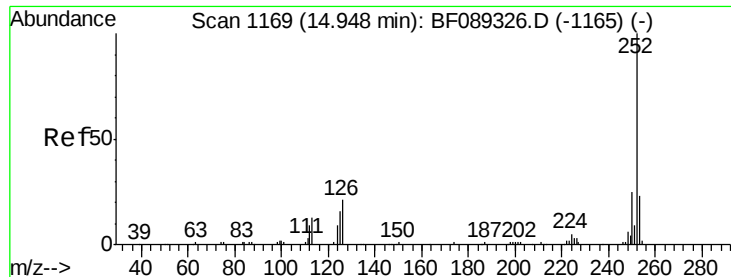


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 14.58 ng

RT: 14.90 min Scan# 1165

Delta R.T. -0.05 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

Instrument :

BNA_F

ClientSampled :

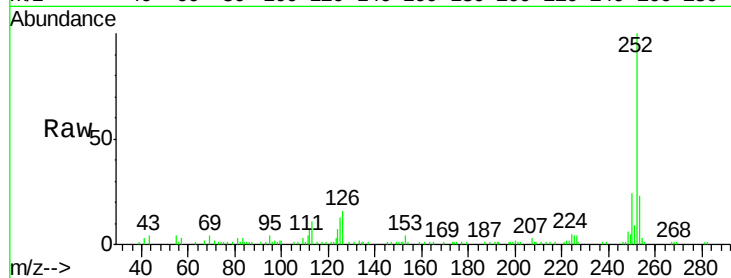
Tot Ion:252 Resp: 53985

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

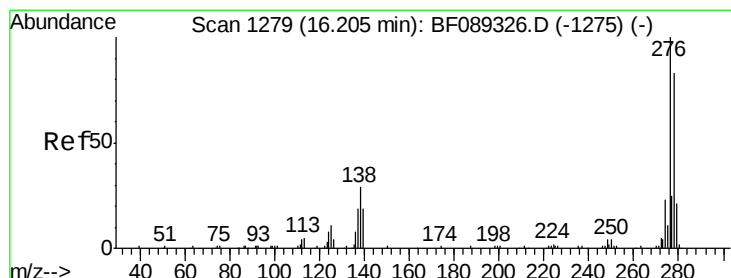
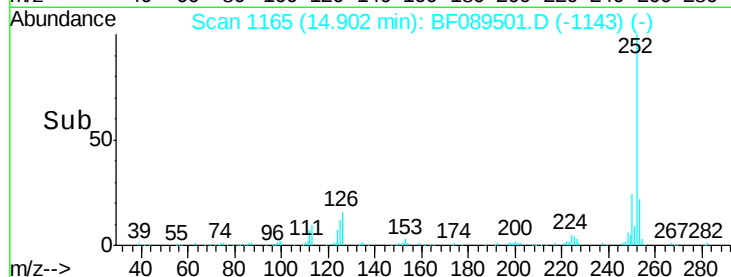
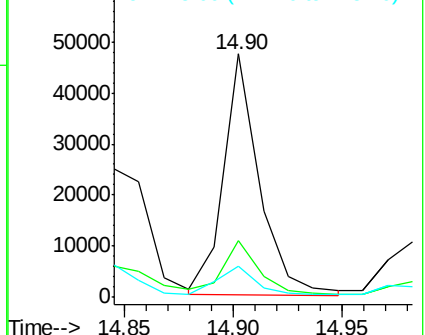
125 13.0 12.4 18.6



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



#90

Dibenzo(a,h)anthracene

Concen: 3.92 ng

RT: 16.14 min Scan# 1273

Delta R.T. -0.07 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

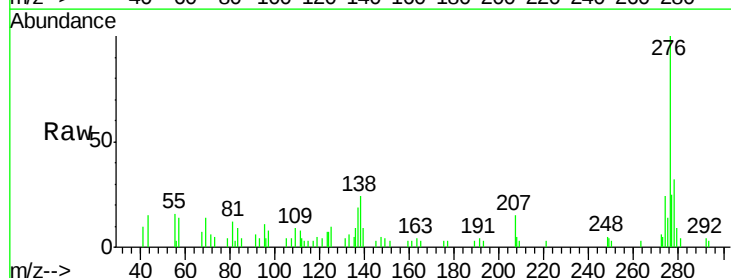
Tgt Ion:278 Resp: 11424

Ion Ratio Lower Upper

278 100

139 27.1 16.3 24.5#

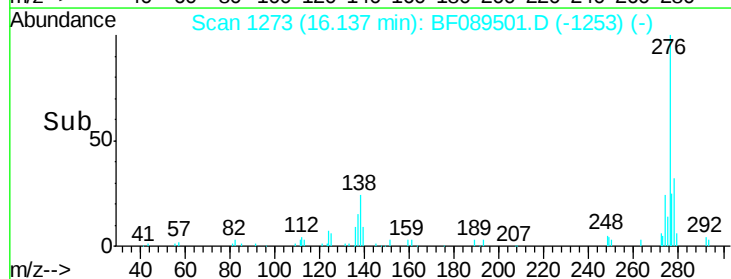
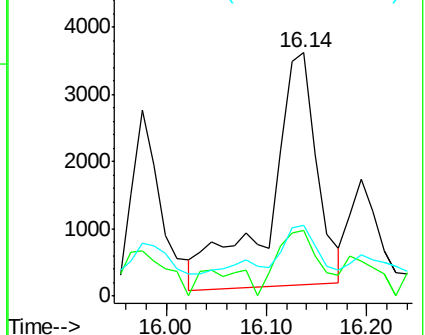
279 29.3 19.1 28.7#

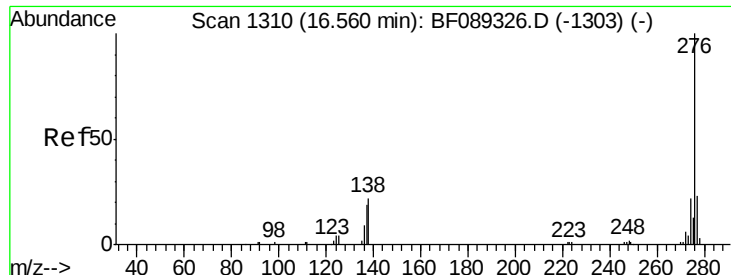


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.93 ng

RT: 16.48 min Scan# 1303

Delta R.T. -0.07 min

Lab File: BF089501.D

Acq: 1 Aug 2016 8:43

Instrument :

BNA_F

ClientSampleId :

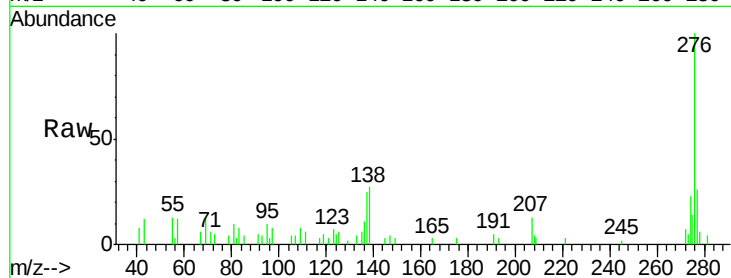
Tot Ion:276 Resp: 25610

Ion Ratio Lower Upper

276 100

277 26.0 18.6 28.0

138 26.9 21.4 32.0



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

