

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090816\
 Data File : BF090039.D
 Acq On : 8 Sep 2016 22:11
 Operator : UM/SJ
 Sample : H4704-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Sep 09 04:39:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

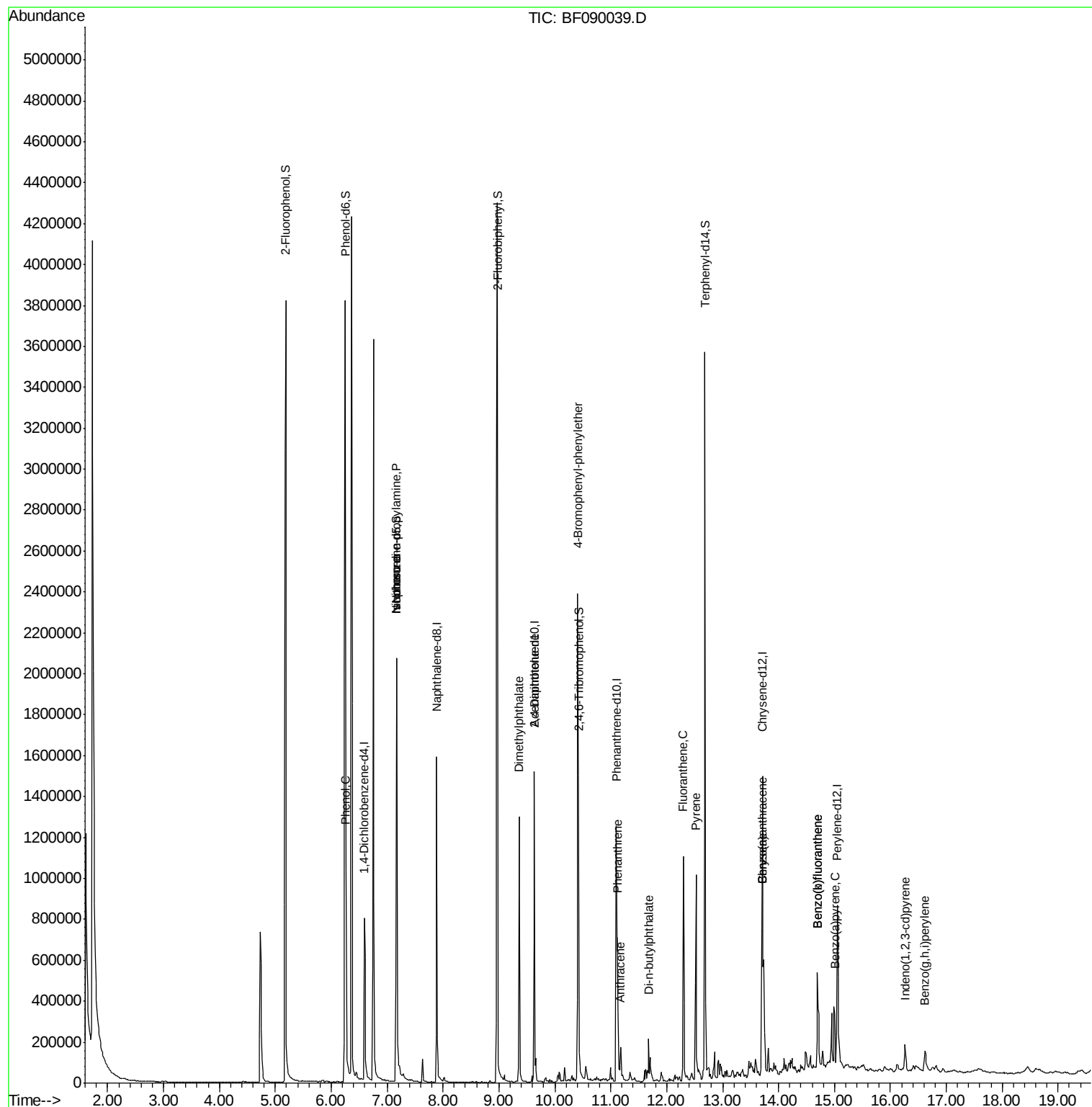
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	191424	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	787500	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	374481	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	621908	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	471921	20.00	ng	-0.01
86) Perylene-d12	15.05	264	380442	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1683686	140.79	ng	0.02
7) Phenol-d6	6.25	99	1843216	126.84	ng	0.00
23) Nitrobenzene-d5	7.16	82	1200363	88.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	446768	120.93	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	1942839	85.16	ng	0.00
78) Terphenyl-d14	12.69	244	1273956	66.69	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.26	94	49657	2.94	ng	83
19) n-Nitroso-di-n-propylamine	7.16	70	155673	16.44	ng	# 83
25) Isophorone	7.16	82	1091966	39.55	ng	# 65
49) Dimethylphthalate	9.36	163	803499	29.69	ng	100
56) 2,4-Dinitrotoluene	9.63	165	47044	6.16	ng	# 29
66) 4-Bromophenyl-phenylether	10.41	248	27427	4.38	ng	# 1
70) Phenanthrene	11.12	178	301997	9.75	ng	97
71) Anthracene	11.18	178	92079	2.93	ng	99
73) Di-n-butylphthalate	11.68	149	88391	2.57	ng	# 97
74) Fluoranthene	12.30	202	522755	16.11	ng	96
77) Pyrene	12.53	202	457902	13.76	ng	99
80) Benzo(a)anthracene	13.70	228	268751	9.30	ng	99
82) Chrysene	13.70	228	268751	9.95	ng	95
85) Indeno(1,2,3-cd)pyrene	16.26	276	95117	4.77	ng	92
87) Benzo(b)fluoranthene	14.70	252	338698	14.21	ng	# 97
88) Benzo(k)fluoranthene	14.70	252	338698	16.75	ng	# 97
89) Benzo(a)pyrene	15.01	252	179795	8.81	ng	97
91) Benzo(g,h,i)perylene	16.62	276	84653	5.62	ng	# 91

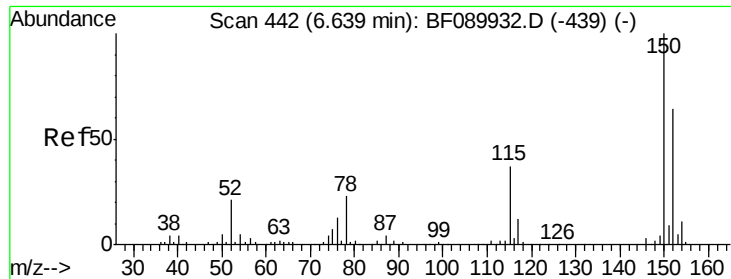
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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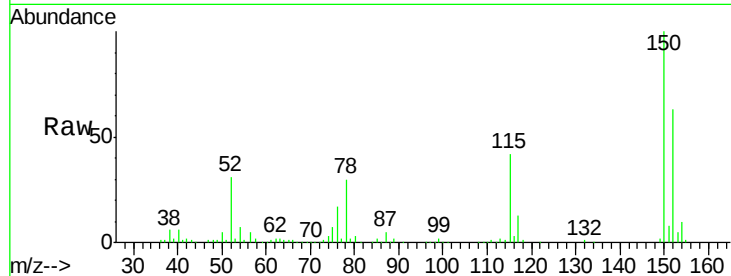




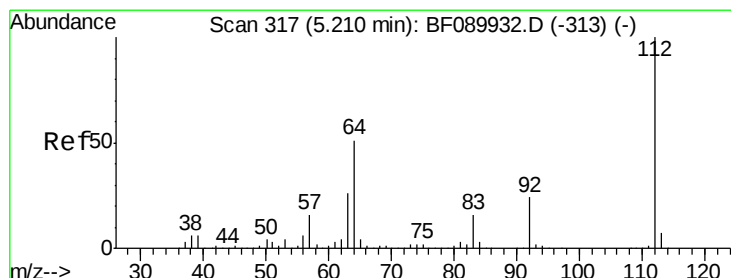
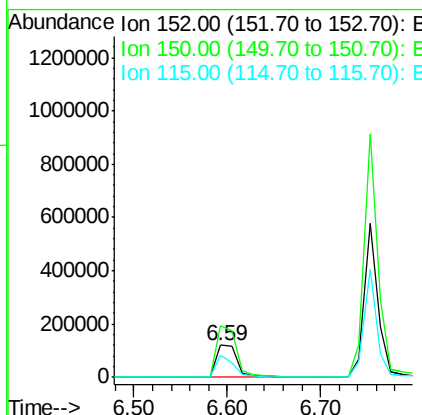
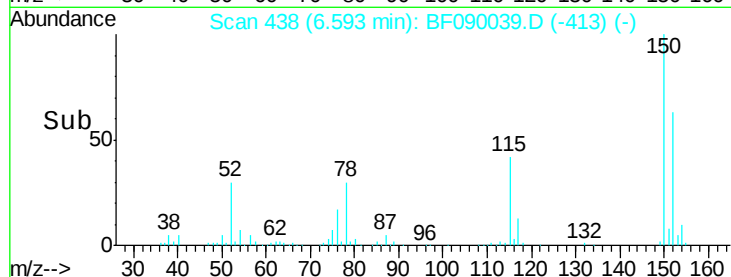
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.59 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tgt Ion:152 Resp: 191424
 Ion Ratio Lower Upper
 152 100
 150 159.4 127.4 191.2
 115 67.4 46.3 69.5

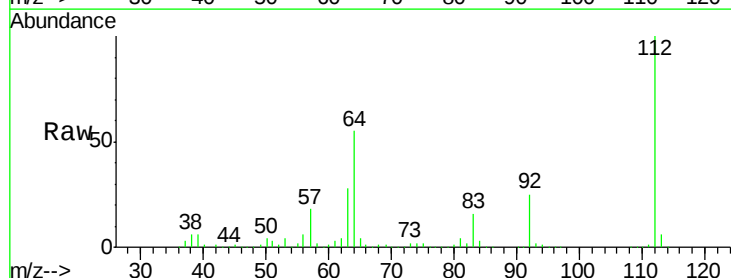


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

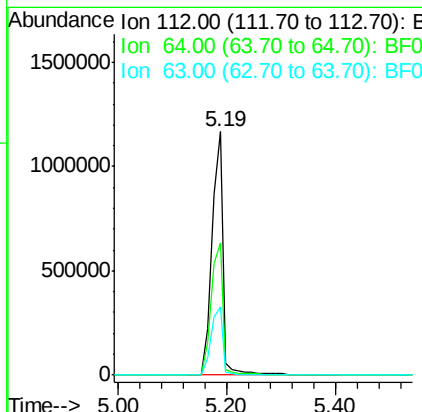
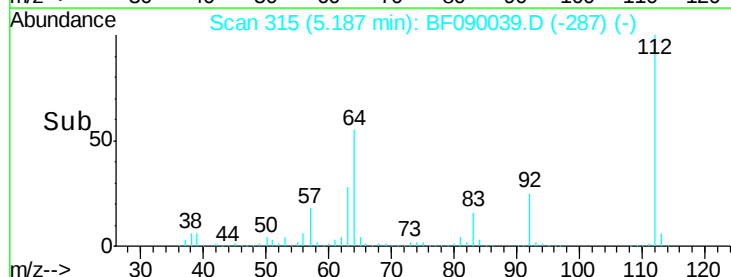


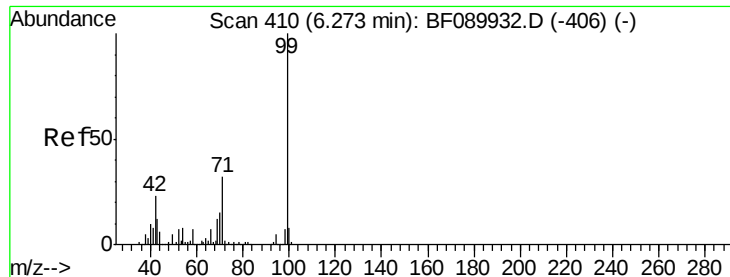
#5
 2-Fluorophenol
 Concen: 140.79 ng
 RT: 5.19 min Scan# 315
 Delta R.T. 0.02 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

Tgt Ion:112 Resp: 1683686
 Ion Ratio Lower Upper
 112 100
 64 54.6 41.1 61.7
 63 28.2 21.2 31.8



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: 126.84 ng

RT: 6.25 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

COMP-2

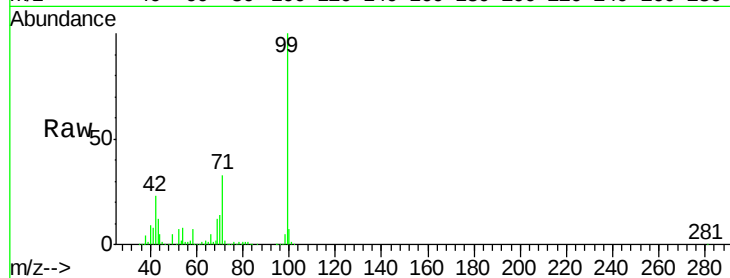
Tgt Ion: 99 Resp: 1843216

Ion Ratio Lower Upper

99 100

42 23.1 18.6 27.8

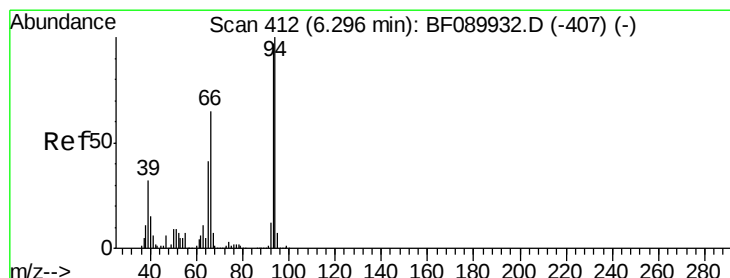
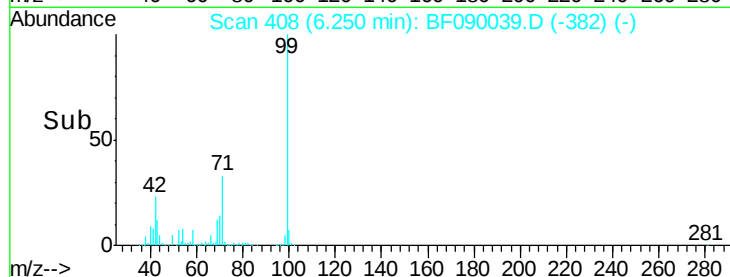
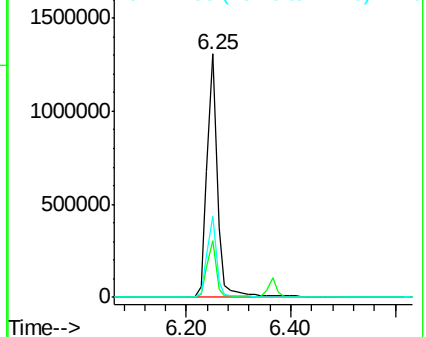
71 33.1 25.8 38.6



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.94 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

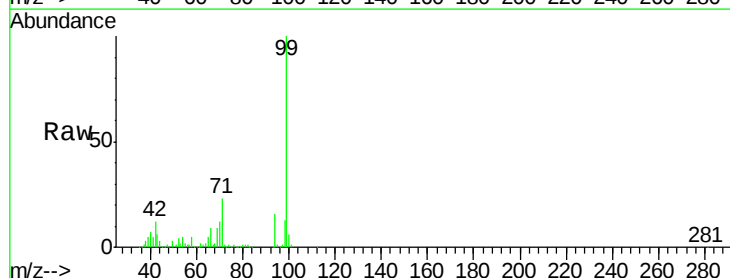
Tgt Ion: 94 Resp: 49657

Ion Ratio Lower Upper

94 100

65 31.6 23.2 63.2

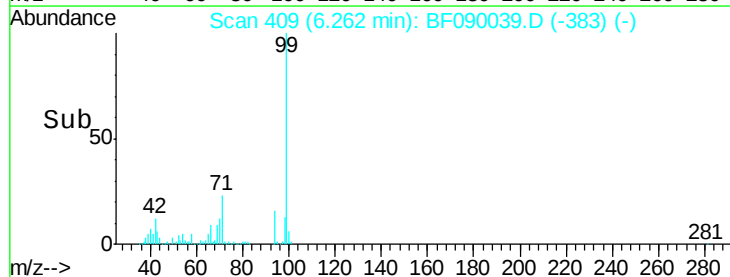
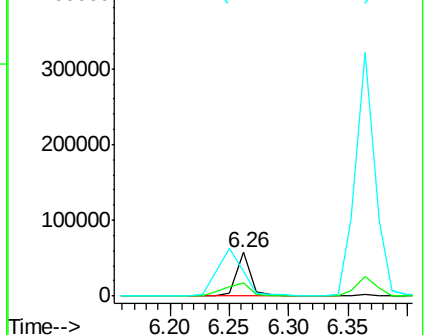
66 55.4 49.2 89.2

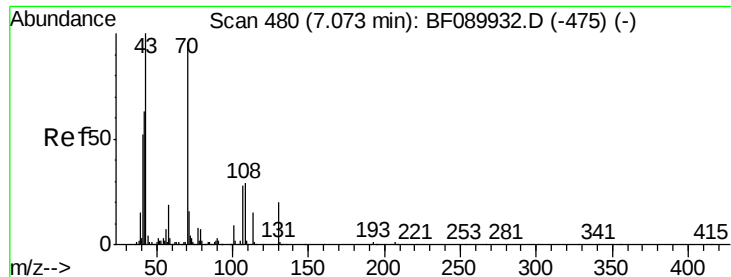


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

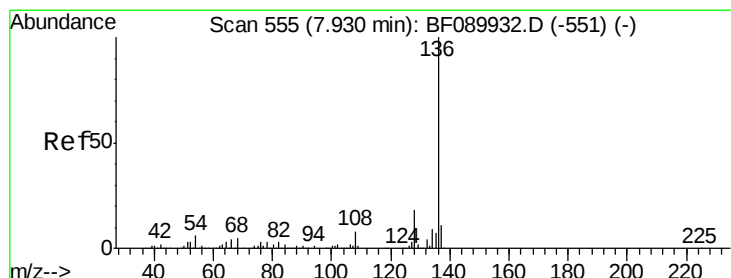
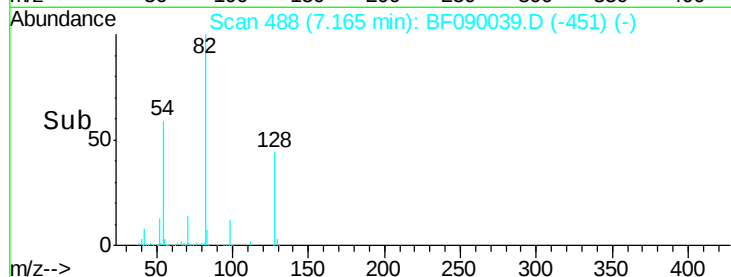
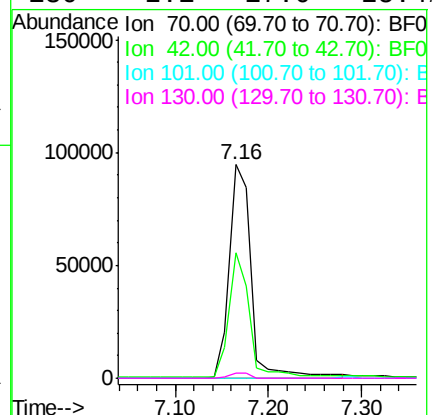
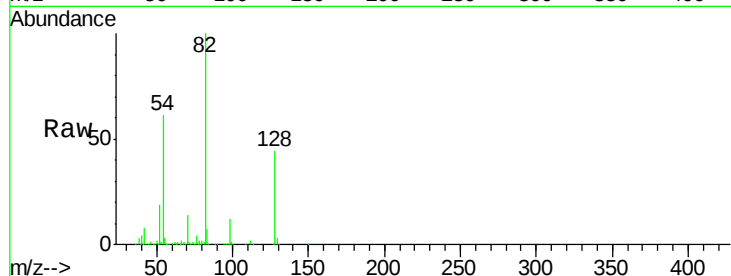




#19
n-Nitroso-di-n-propylamine
Concen: 16.44 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.13 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

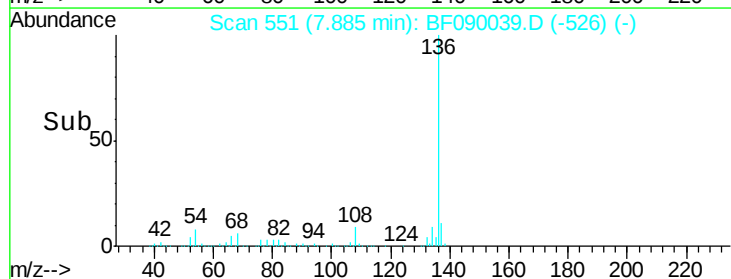
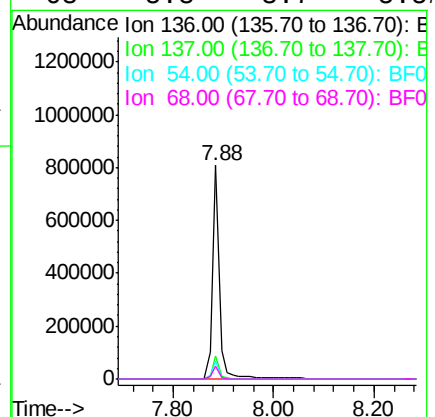
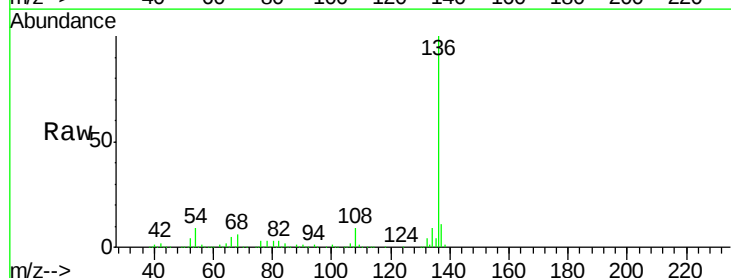
Instrument :
BNA_F
ClientSampleId :
COMP-2

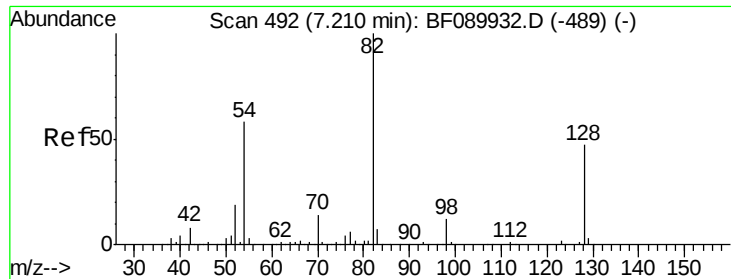
Tgt Ion: 70 Resp: 155673
Ion Ratio Lower Upper
70 100
42 58.7 52.1 78.1
101 0.0 7.4 11.2#
130 2.1 17.0 25.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion: 136 Resp: 787500
Ion Ratio Lower Upper
136 100
137 10.8 8.3 12.5
54 8.5 4.8 7.2#
68 5.8 3.7 5.5#

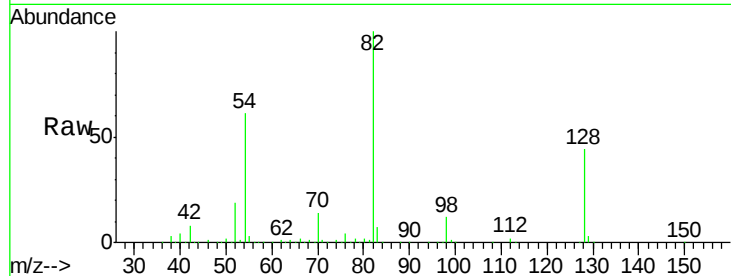




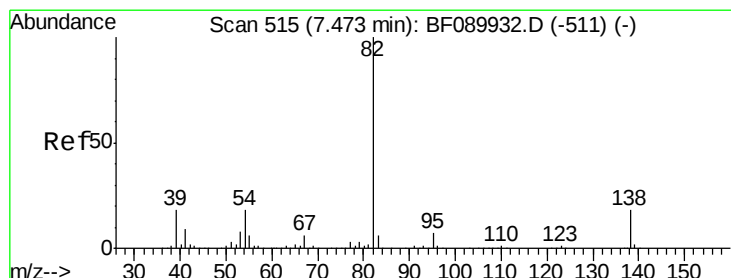
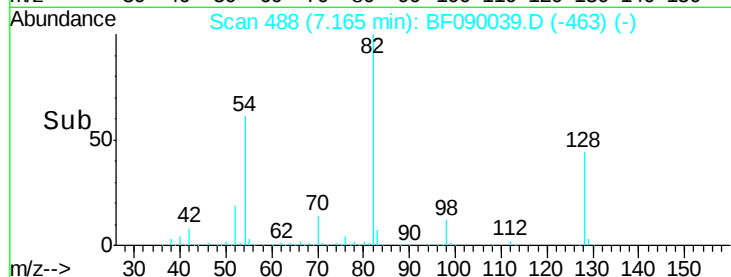
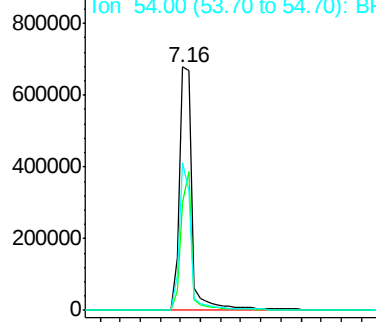
#23
Nitrobenzene-d5
Concen: 88.40 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion: 82 Resp: 1200363
Ion Ratio Lower Upper
82 100
128 44.1 37.8 56.8
54 60.8 46.9 70.3

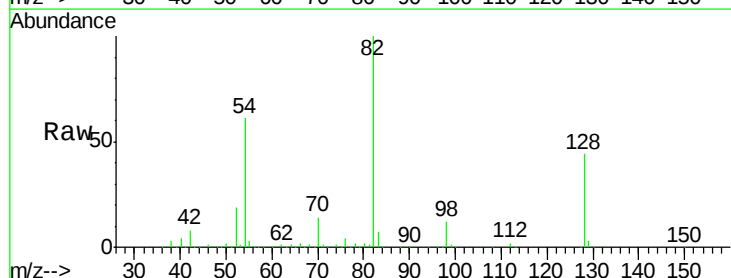


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

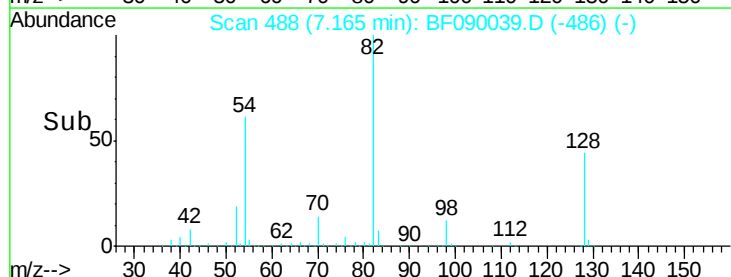
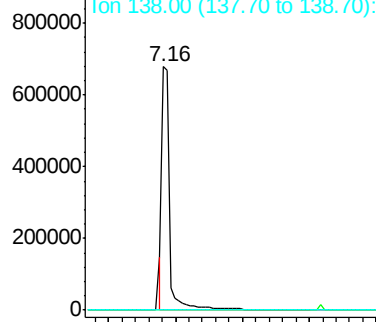


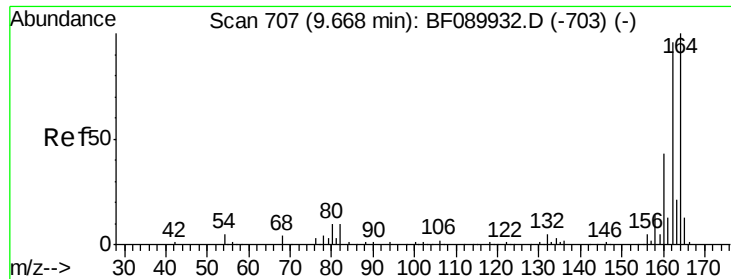
#25
Isophorone
Concen: 39.55 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.27 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion: 82 Resp: 1091966
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

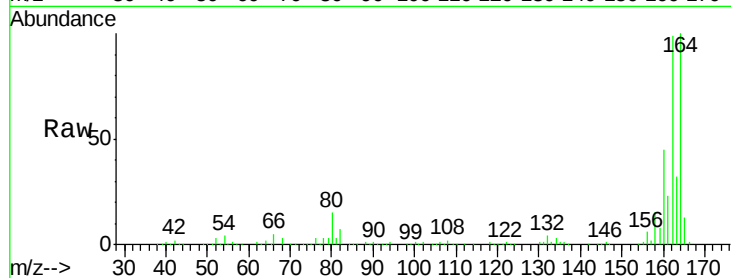




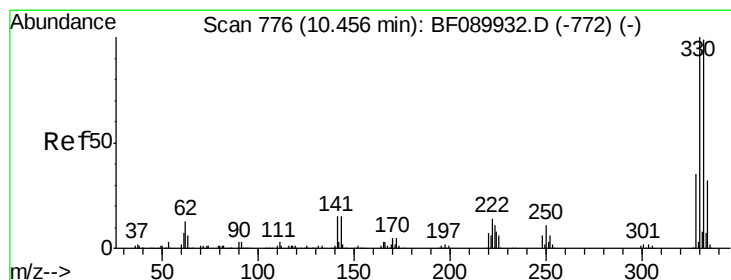
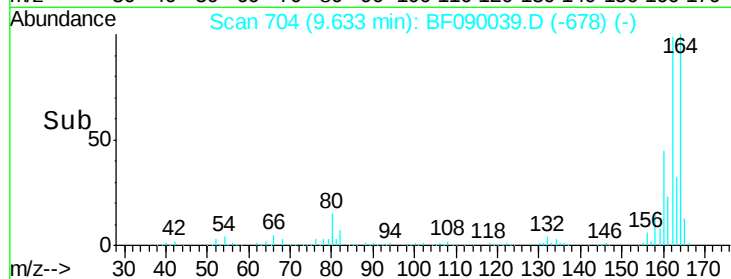
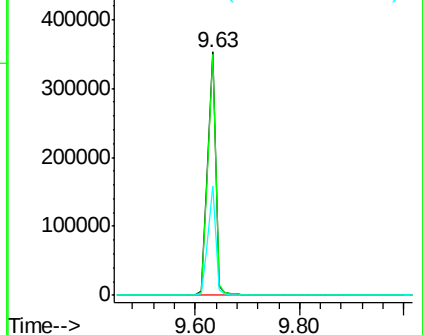
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

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Tgt Ion:164 Resp: 374481
 Ion Ratio Lower Upper
 164 100
 162 98.8 77.1 115.7
 160 44.9 35.3 52.9

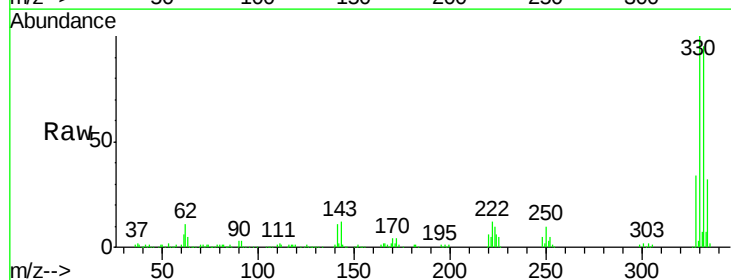


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

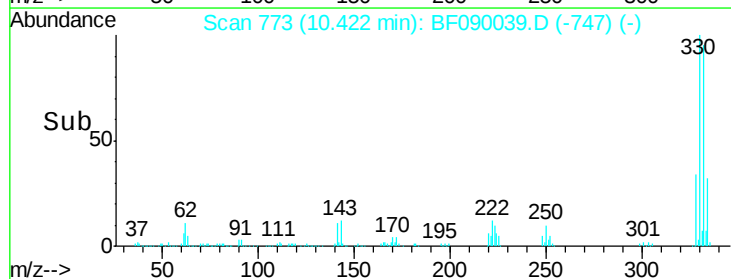
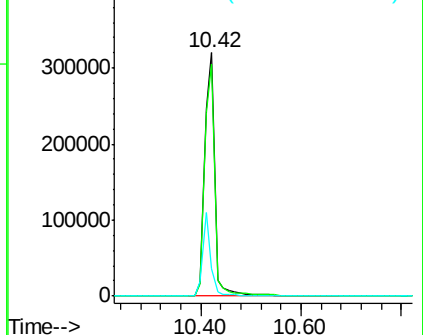


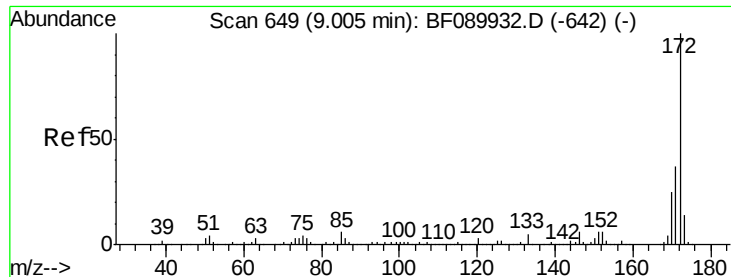
#41
 2,4,6-Tribromophenol
 Concen: 120.93 ng
 RT: 10.42 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

Tgt Ion:330 Resp: 446768
 Ion Ratio Lower Upper
 330 100
 332 96.4 78.6 117.8
 141 27.8 23.3 34.9



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

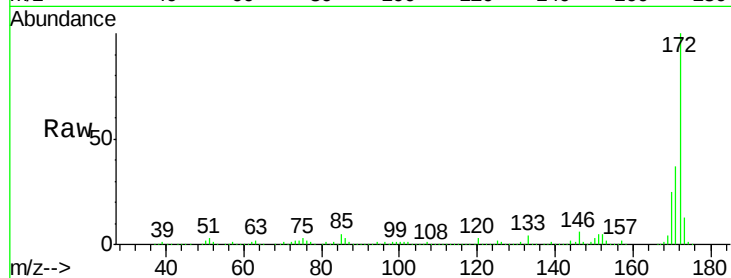




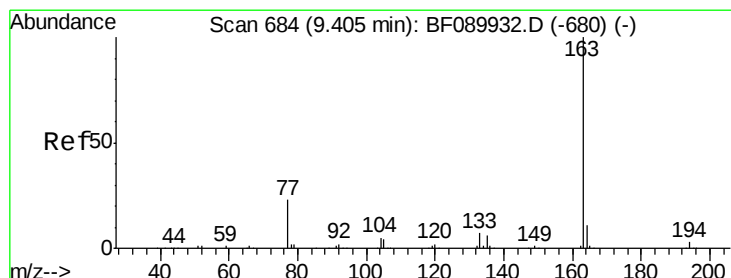
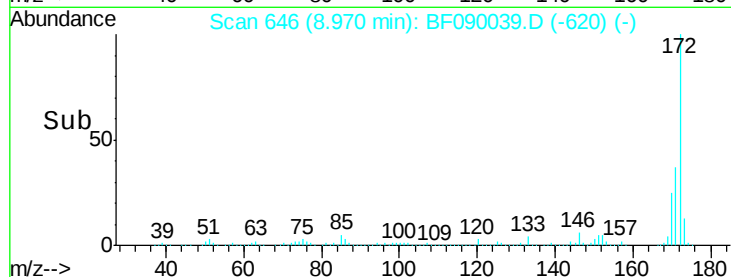
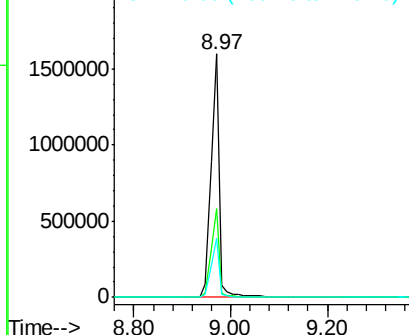
#44
 2-Fluorobiphenyl
 Concen: 85.16 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

Instrument :
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Tgt Ion:172 Resp: 1942839
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.2
 170 24.6 20.1 30.1

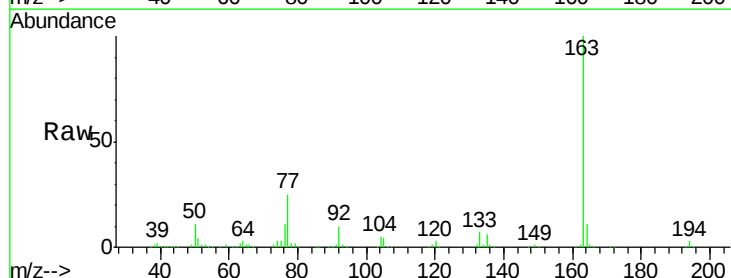


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

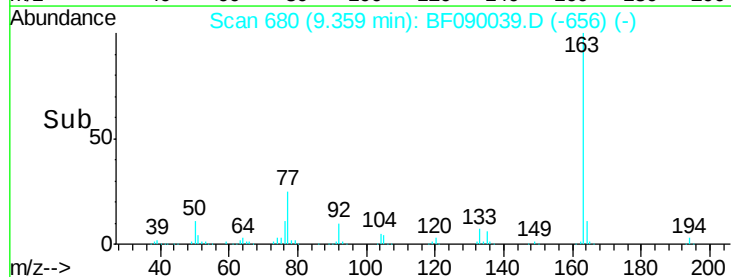
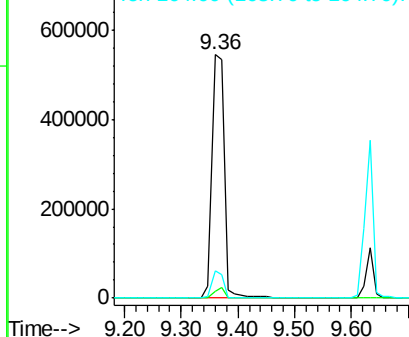


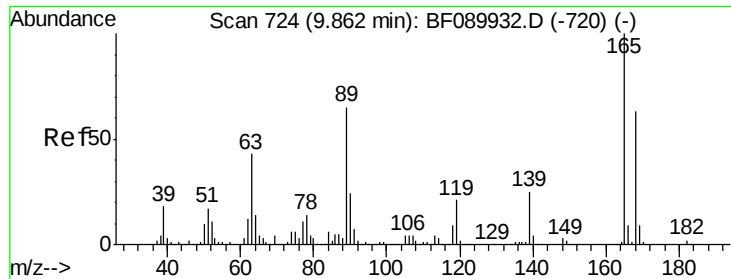
#49
 Dimethylphthalate
 Concen: 29.69 ng
 RT: 9.36 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

Tgt Ion:163 Resp: 803499
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.7 4.1
 164 11.3 9.0 13.4



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

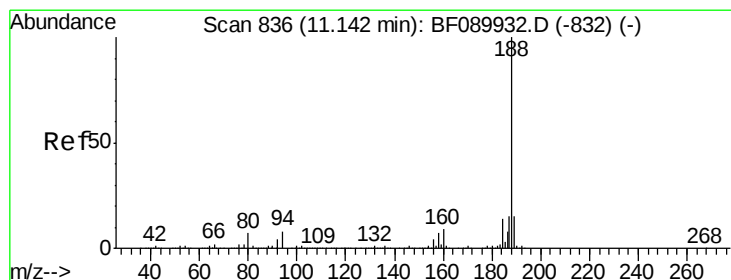
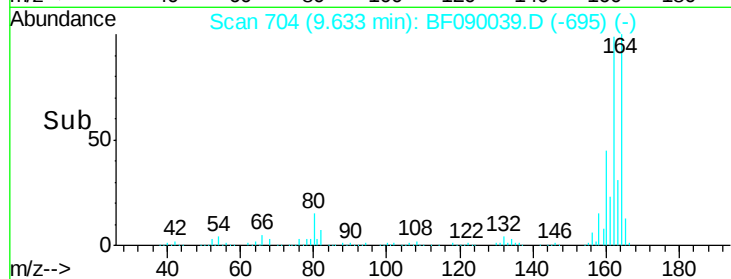
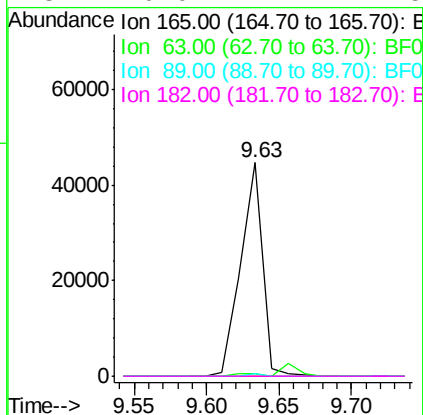
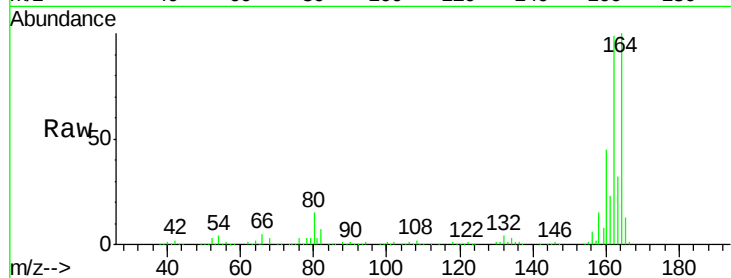




#56
 2,4-Dinitrotoluene
 Concen: 6.16 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.19 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

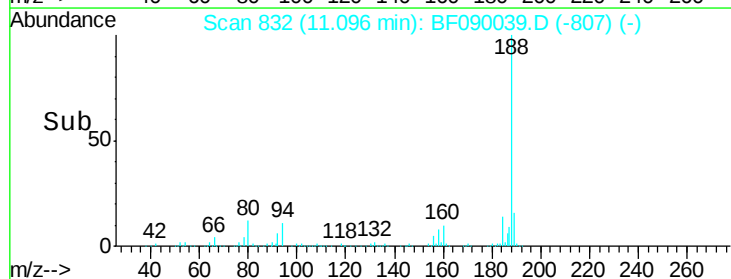
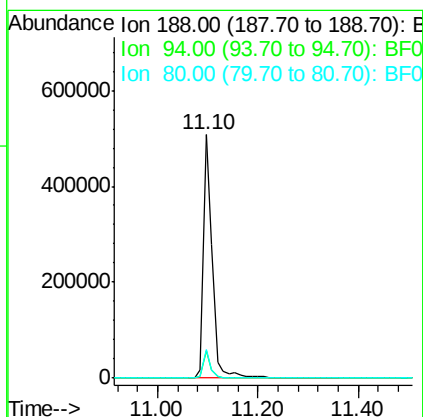
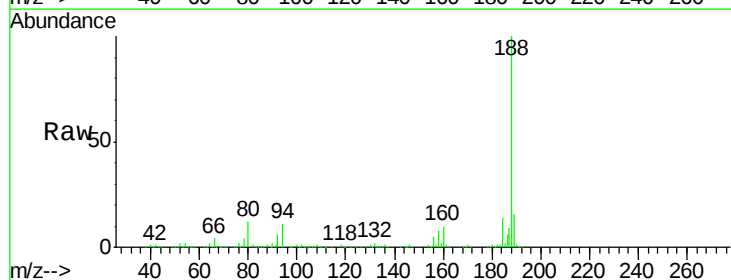
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

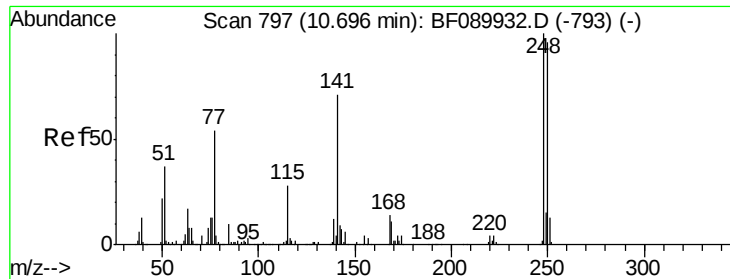
Tgt Ion:165 Resp: 47044
 Ion Ratio Lower Upper
 165 100
 63 1.2 32.5 48.7#
 89 1.4 48.3 72.5#
 182 0.0 1.7 2.5#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

Tgt Ion:188 Resp: 621908
 Ion Ratio Lower Upper
 188 100
 94 11.3 5.9 8.9#
 80 11.9 5.8 8.8#

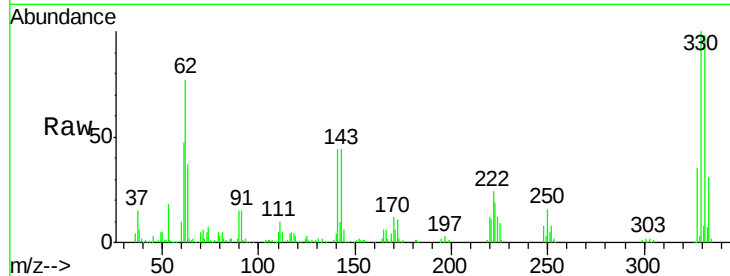




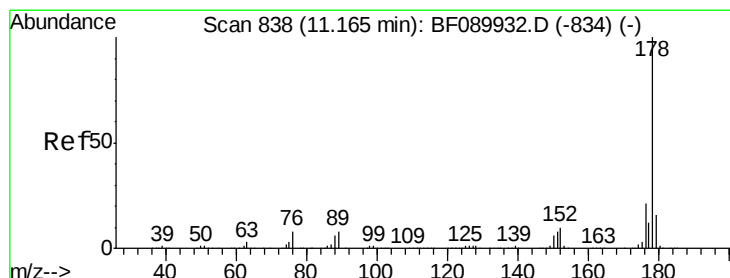
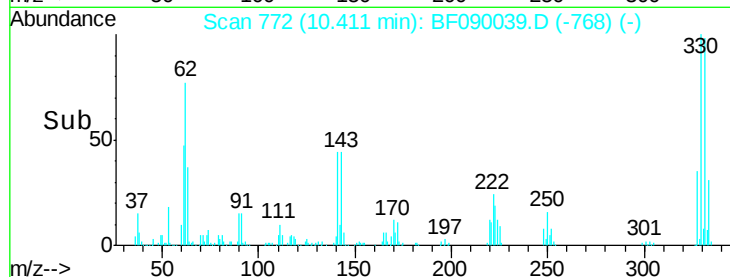
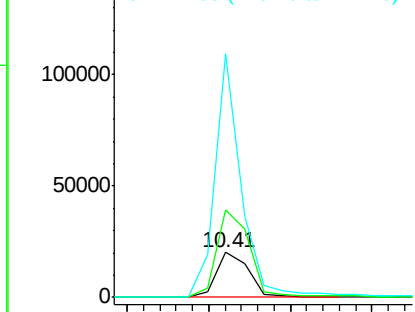
#66
4-Bromophenyl-phenylether
Concen: 4.38 ng
RT: 10.41 min Scan# 772
Delta R.T. -0.25 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Instrument :
BNA_F
ClientSampled :
COMP-2

Tgt Ion:248 Resp: 27427
Ion Ratio Lower Upper
248 100
250 194.1 77.3 115.9#
141 543.3 55.8 83.8#

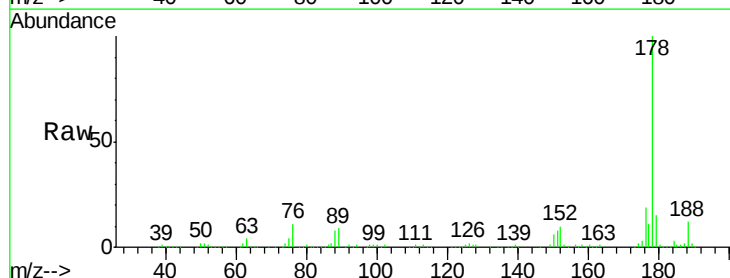


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

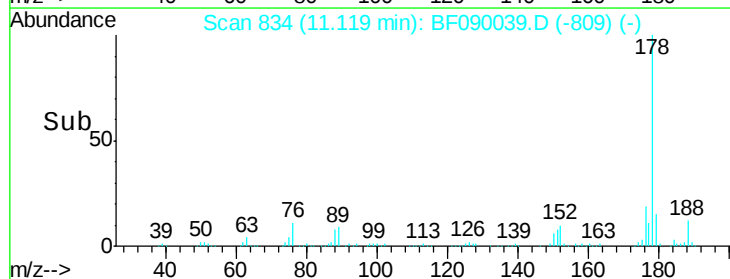
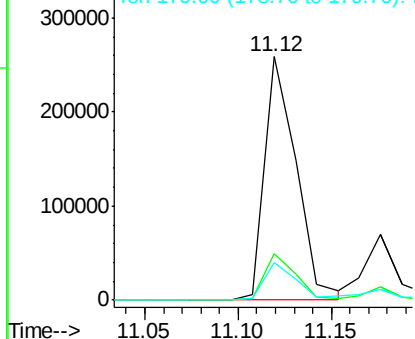


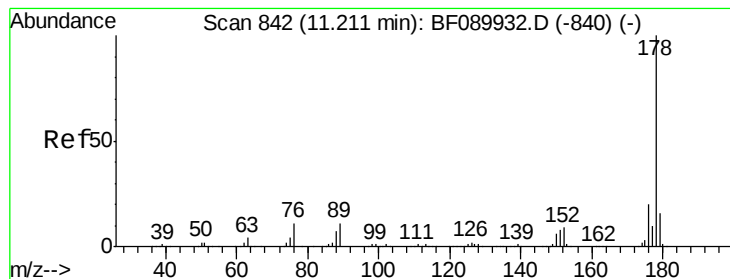
#70
Phenanthrene
Concen: 9.75 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion:178 Resp: 301997
Ion Ratio Lower Upper
178 100
176 19.1 16.5 24.7
179 15.3 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





#71

Anthracene

Concen: 2.93 ng

RT: 11.18 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

COMP-2

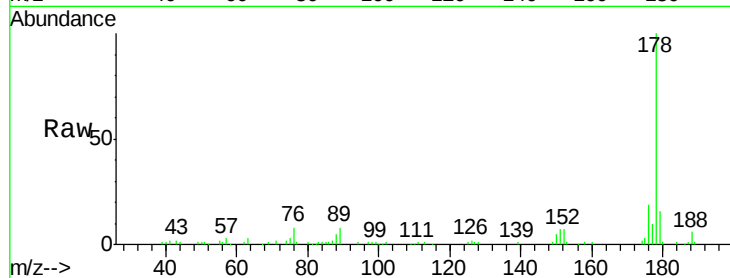
Tgt Ion:178 Resp: 92079

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

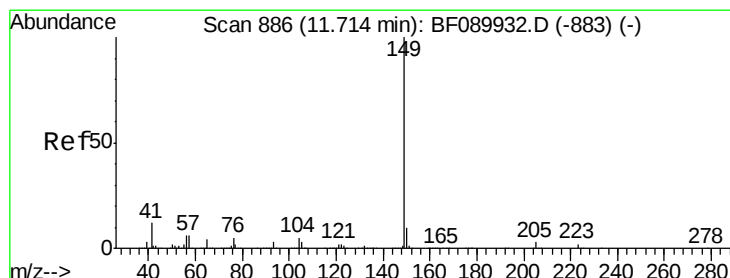
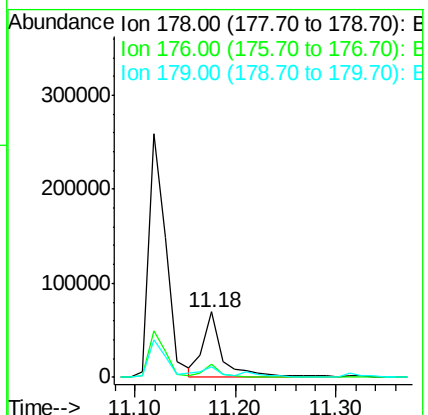
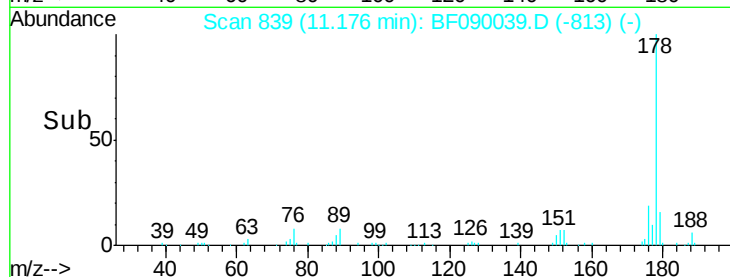
179 15.6 13.0 19.4



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



#73

Di-n-butylphthalate

Concen: 2.57 ng

RT: 11.68 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

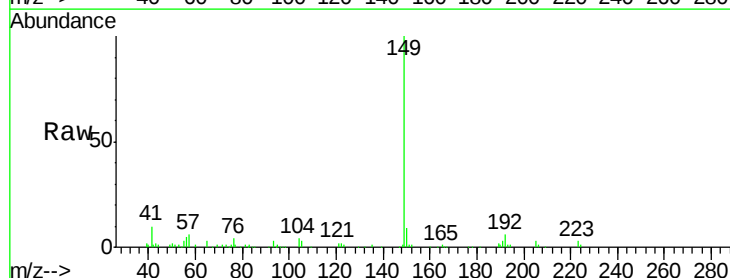
Tgt Ion:149 Resp: 88391

Ion Ratio Lower Upper

149 100

150 8.9 7.8 11.8

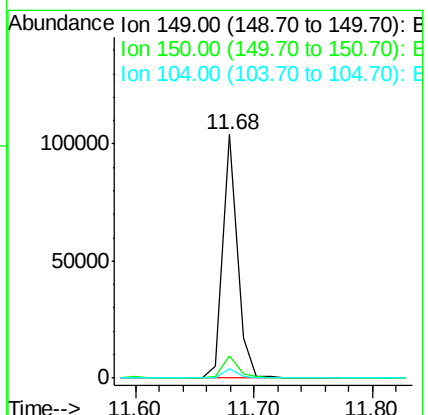
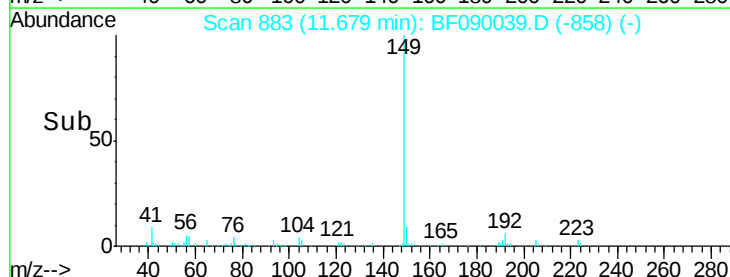
104 3.9 3.9 5.9#

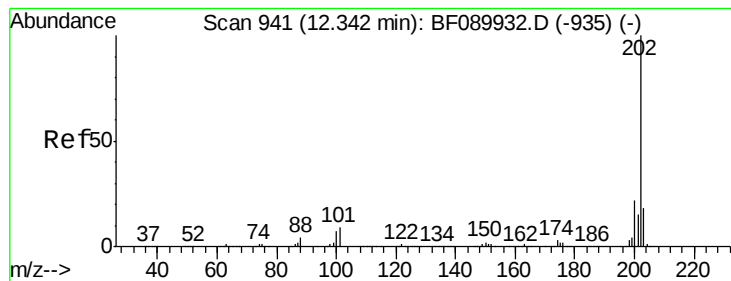


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 16.11 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

COMP-2

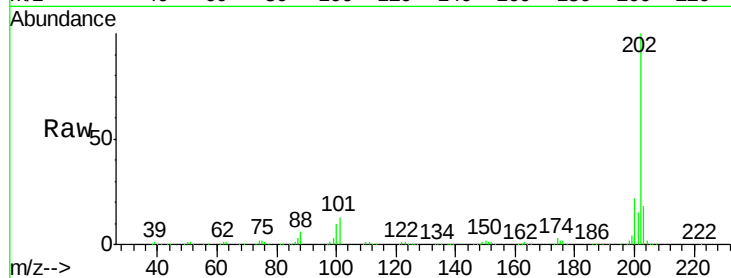
Tgt Ion:202 Resp: 522755

Ion Ratio Lower Upper

202 100

101 13.3 0.0 28.5

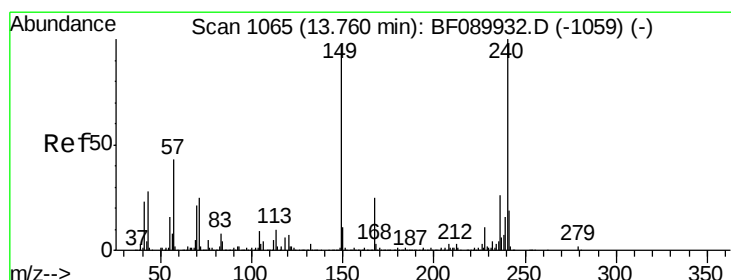
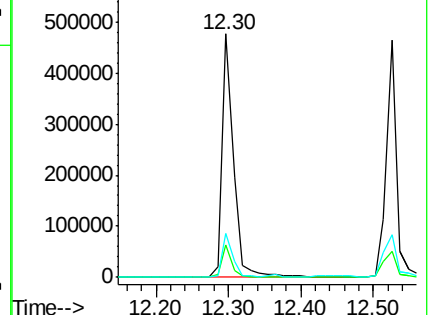
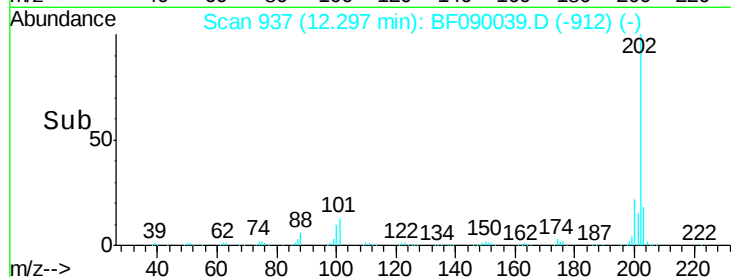
203 18.0 0.0 38.0



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: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

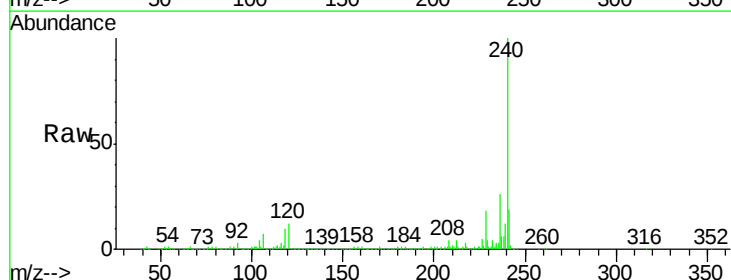
Tgt Ion:240 Resp: 471921

Ion Ratio Lower Upper

240 100

120 11.6 5.7 8.5#

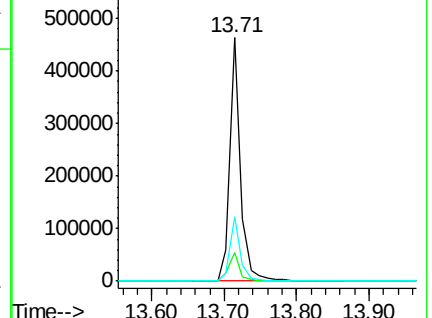
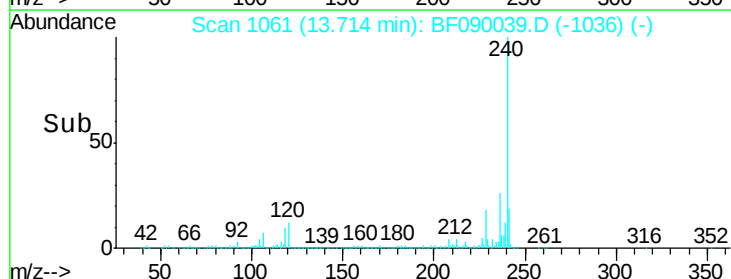
236 26.4 21.3 31.9

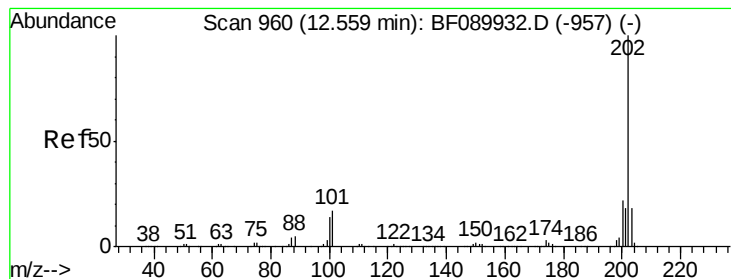


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.76 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

COMP-2

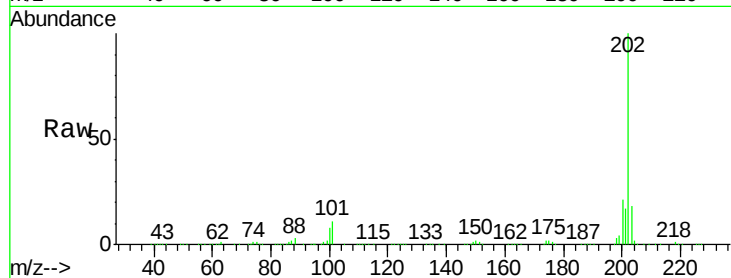
Tgt Ion:202 Resp: 457902

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

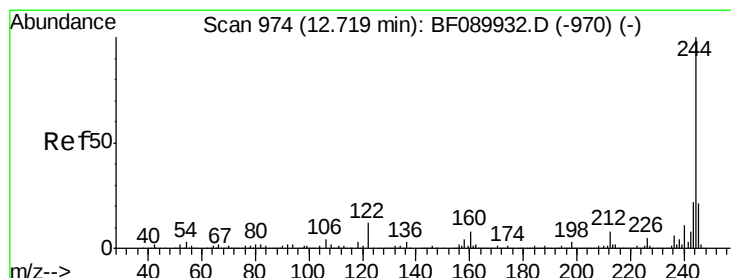
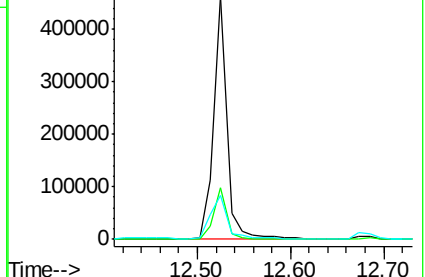
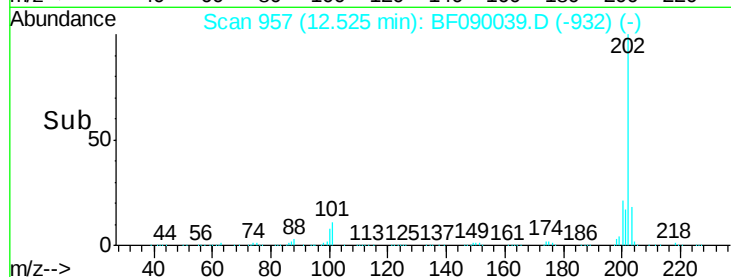
203 17.8 14.6 21.8



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: 66.69 ng

RT: 12.69 min Scan# 971

Delta R.T. 0.00 min

Lab File: BF090039.D

Acq: 8 Sep 2016 22:11

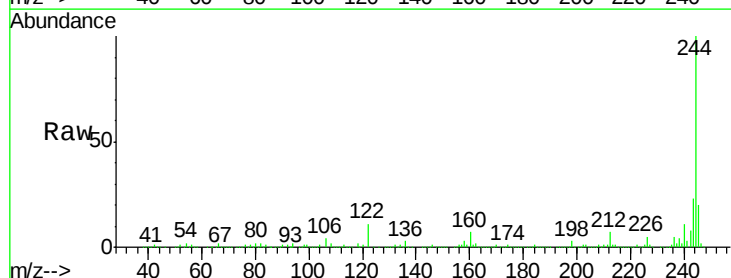
Tgt Ion:244 Resp: 1273956

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

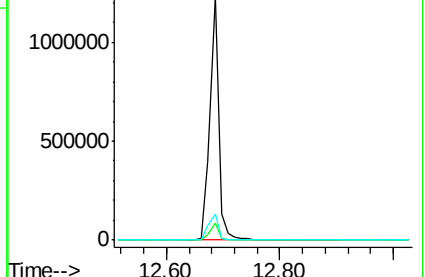
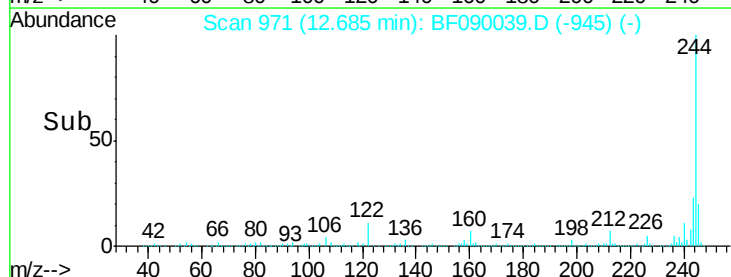
122 10.6 9.6 14.4

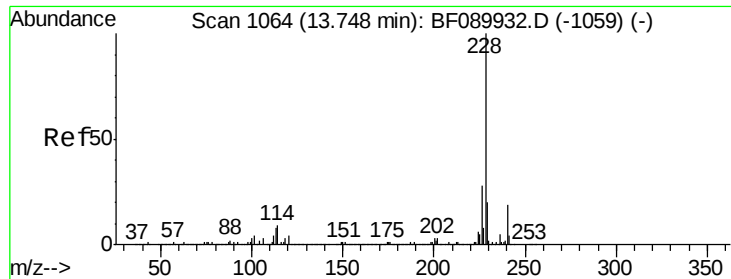


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

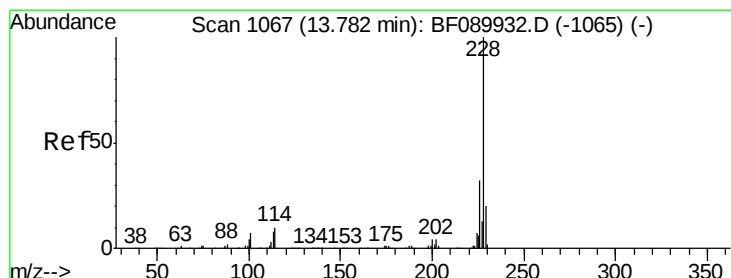
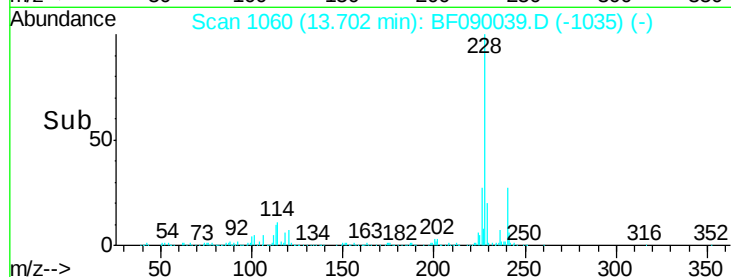
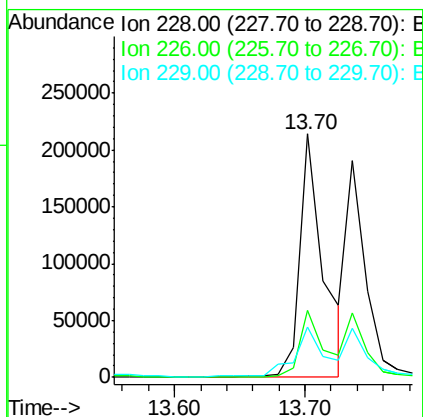
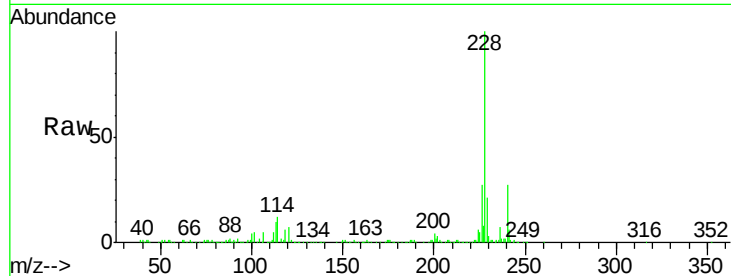




#80
Benzo(a)anthracene
Concen: 9.30 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

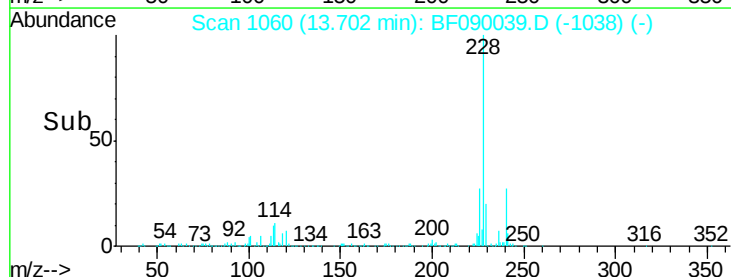
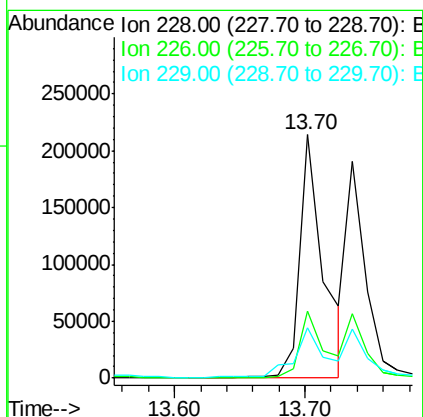
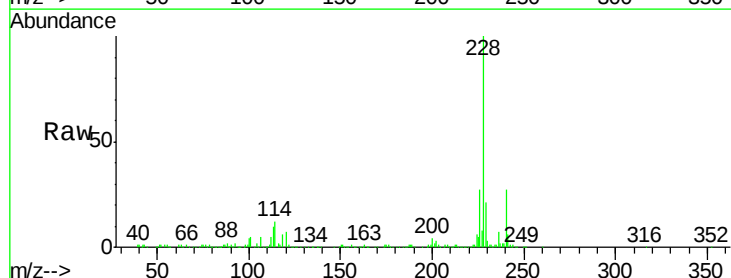
Instrument :
BNA_F
ClientSampleId :
COMP-2

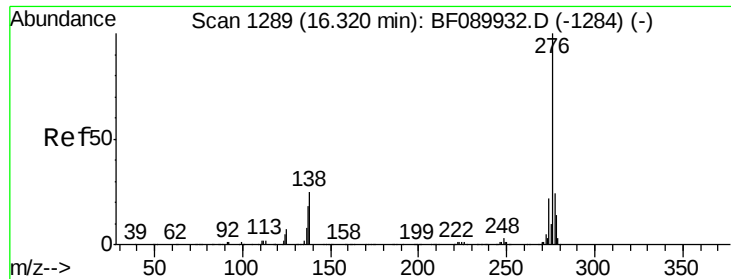
Tgt Ion:228 Resp: 268751
Ion Ratio Lower Upper
228 100
226 27.5 22.2 33.2
229 20.7 15.8 23.6



#82
Chrysene
Concen: 9.95 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.05 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion:228 Resp: 268751
Ion Ratio Lower Upper
228 100
226 27.5 25.2 37.8
229 20.7 16.2 24.2

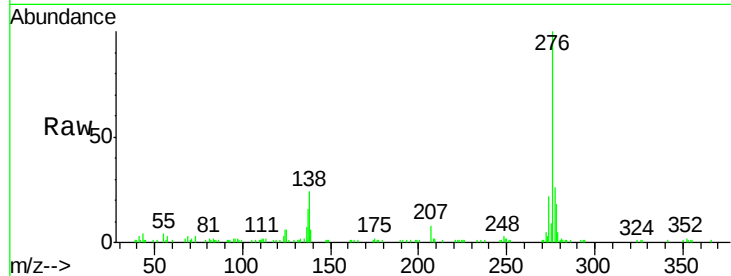




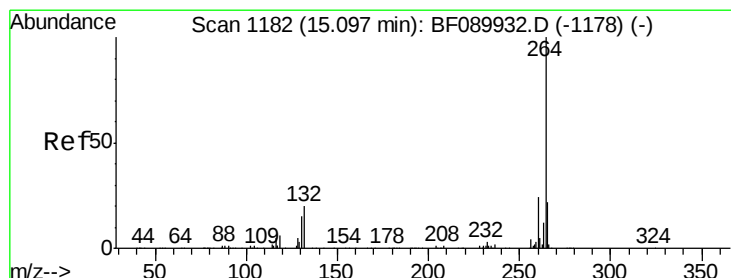
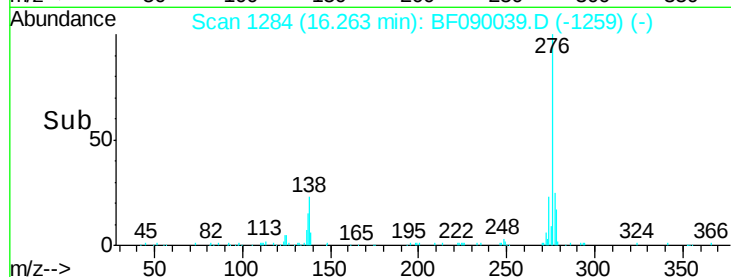
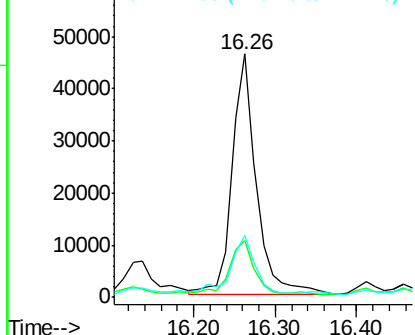
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.77 ng
 RT: 16.26 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tgt Ion: 276 Resp: 95117
 Ion Ratio Lower Upper
 276 100
 138 22.9 22.6 34.0
 277 28.0 20.1 30.1

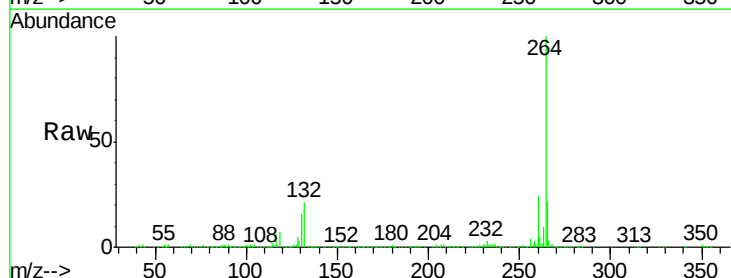


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

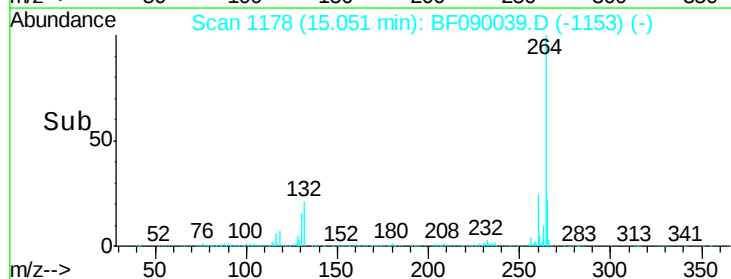
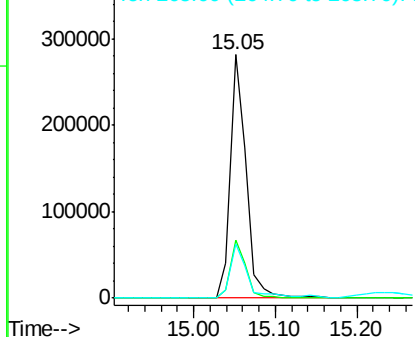


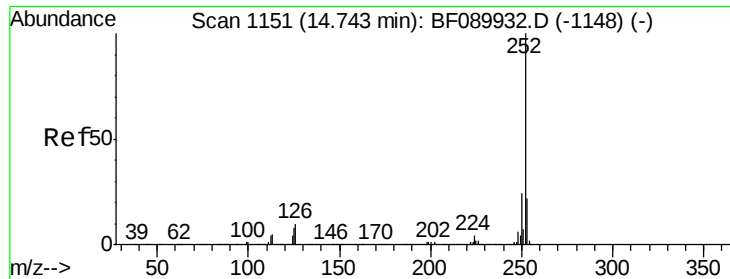
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF090039.D
 Acq: 8 Sep 2016 22:11

Tgt Ion: 264 Resp: 380442
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.0
 265 22.3 17.4 26.2



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

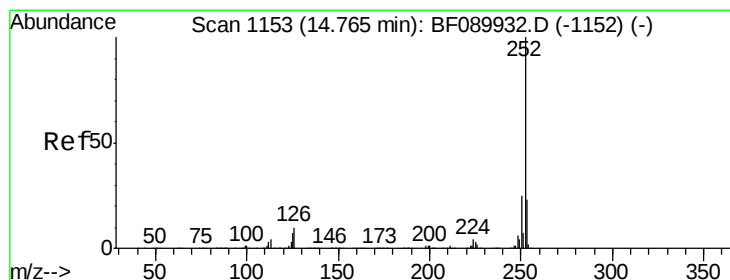
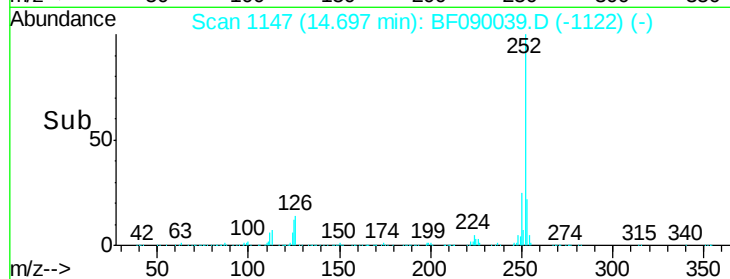
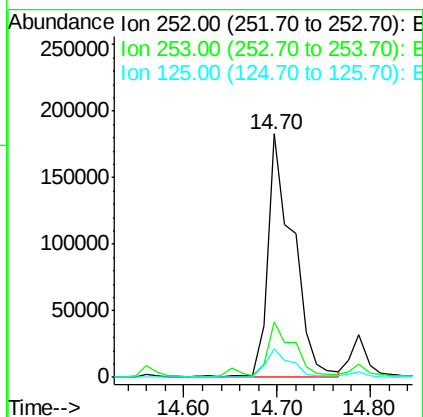
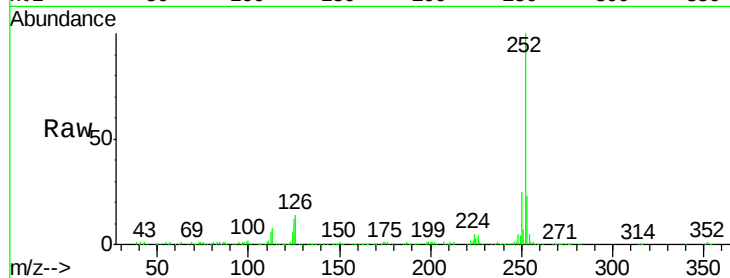




#87
Benzo(b)fluoranthene
Concen: 14.21 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

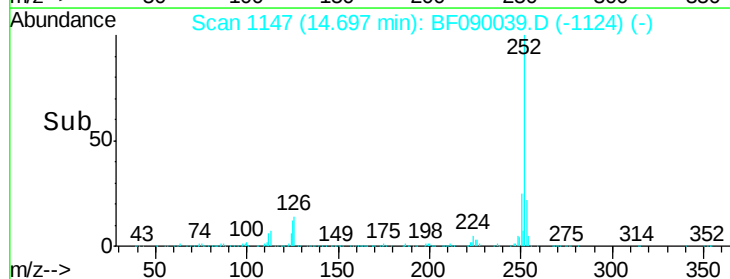
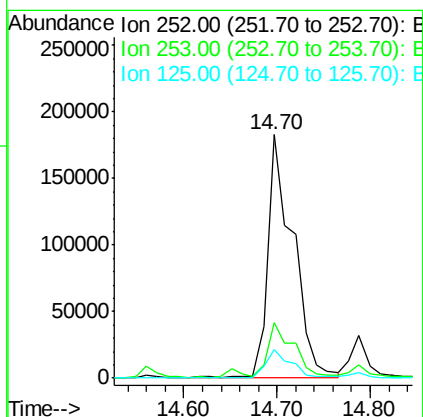
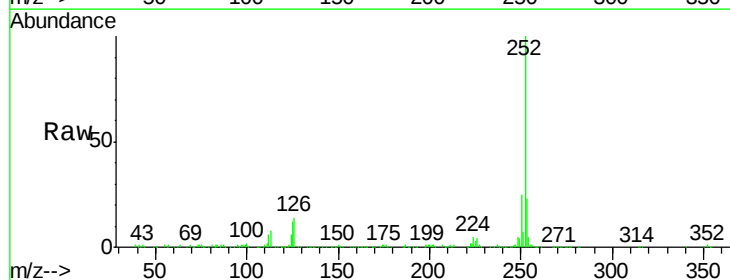
Instrument :
BNA_F
ClientSampleId :
COMP-2

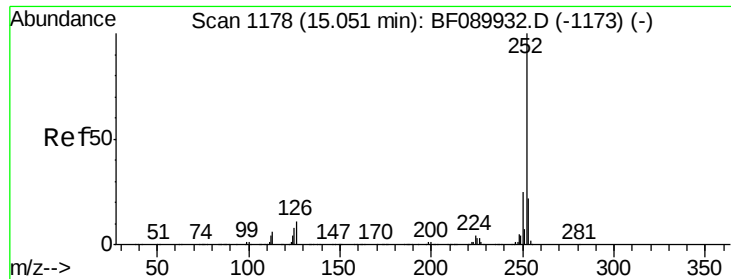
Tgt Ion:252 Resp: 338698
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 11.8 5.7 8.5#



#88
Benzo(k)fluoranthene
Concen: 16.75 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion:252 Resp: 338698
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 11.8 7.3 10.9#

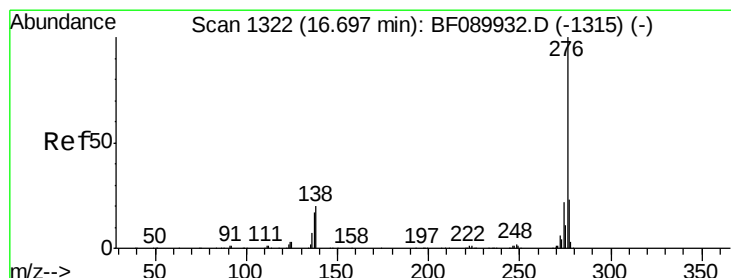
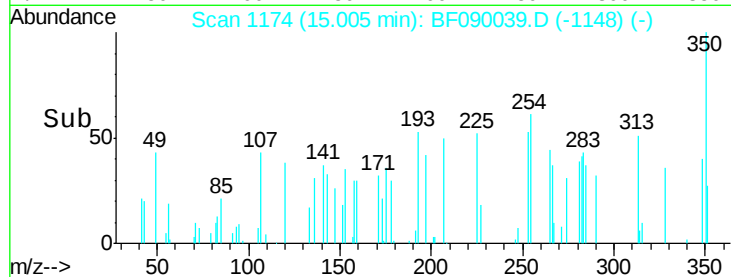
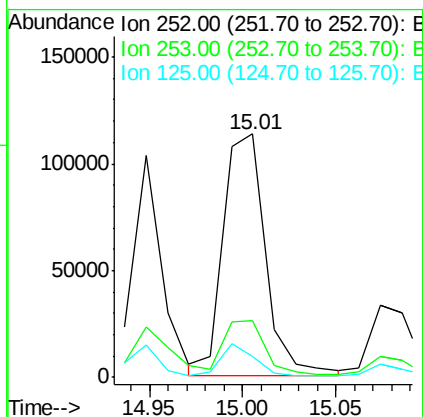
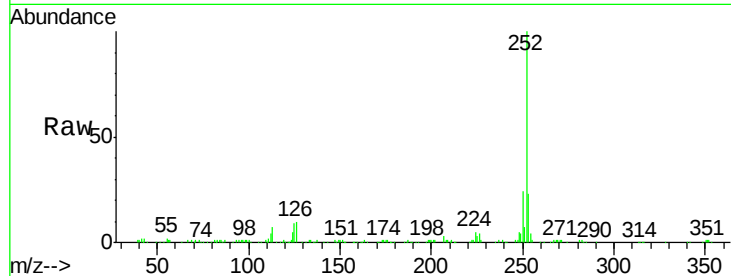




#89
Benzo(a)pyrene
Concen: 8.81 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:252 Resp: 179795
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 8.8 6.3 9.5



#91
Benzo(g,h,i)perylene
Concen: 5.62 ng
RT: 16.62 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF090039.D
Acq: 8 Sep 2016 22:11

Tgt Ion:276 Resp: 84653
Ion Ratio Lower Upper
276 100
277 26.0 19.0 28.4
138 26.6 16.4 24.6#

