

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
 Data File : BF090202.D
 Acq On : 23 Sep 2016 17:22
 Operator : UM/SJ
 Sample : H4867-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 23 18:43:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 18:09:48 2016
 Response via : Initial Calibration

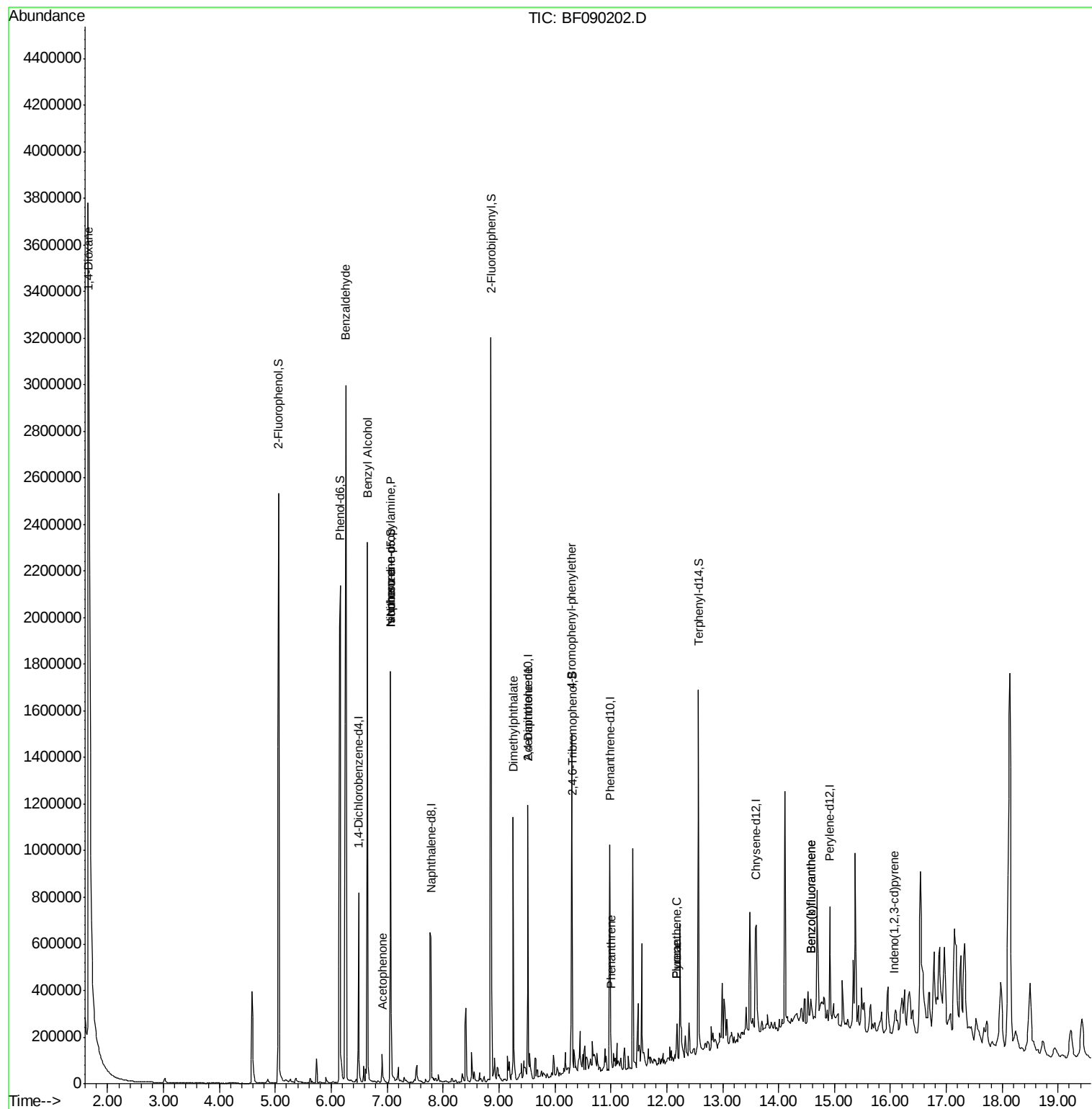
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	133589	20.00	ng	-0.03
21) Naphthalene-d8	7.78	136	476351	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	269181	20.00	ng	-0.03
63) Phenanthrene-d10	10.98	188	349225	20.00	ng	-0.05
75) Chrysene-d12	13.60	240	228736	20.00	ng	-0.03
86) Perylene-d12	14.91	264	249509	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	1004543	122.57	ng	-0.01
7) Phenol-d6	6.16	99	1407109	139.02	ng	-0.01
23) Nitrobenzene-d5	7.06	82	691367	84.13	ng	-0.03
41) 2,4,6-Tribromophenol	10.31	330	266576	115.43	ng	-0.03
44) 2-Fluorobiphenyl	8.86	172	996948	72.71	ng	-0.03
78) Terphenyl-d14	12.57	244	638941	70.92	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	1.66	88	304740	68.53	ng	# 26
9) Benzaldehyde	6.26	77	21703	4.92	ng	81
15) Benzyl Alcohol	6.65	79	15324	2.54	ng	# 46
19) n-Nitroso-di-n-propylamine	7.06	70	89246	15.01	ng	# 78
22) Acetophenone	6.91	105	56554	4.92	ng	# 96
25) Isophorone	7.06	82	538460	31.36	ng	# 66
49) Dimethylphthalate	9.26	163	435234	25.39	ng	99
56) 2,4-Dinitrotoluene	9.52	165	34363	7.61	ng	# 15
66) 4-Bromophenyl-phenylether	10.30	248	14138	4.11	ng	# 1
70) Phenanthrene	11.00	178	47142	2.89	ng	100
74) Fluoranthene	12.18	202	71957	4.10	ng	93
77) Pyrene	12.18	202	71957	4.60	ng	96
85) Indeno(1,2,3-cd)pyrene	16.07	276	20835	2.15	ng	# 82
87) Benzo(b)fluoranthene	14.58	252	48818	3.53	ng	# 94
88) Benzo(k)fluoranthene	14.58	252	48818	3.76	ng	# 89

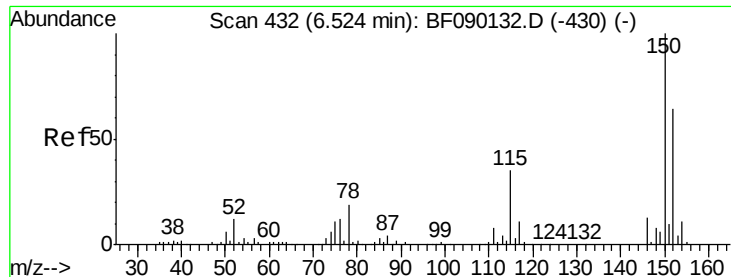
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.03 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

Instrument :

BNA_F

ClientSampled :

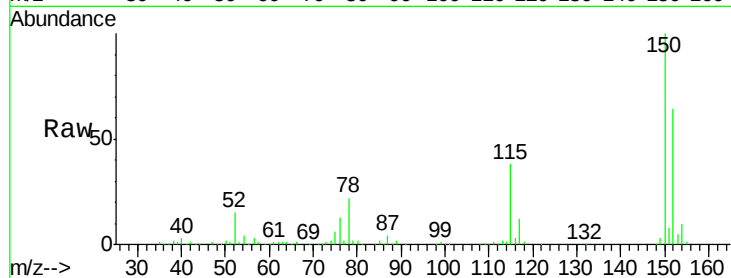
Tot Ion:152 Resp: 133589

Ion Ratio Lower Upper

152 100

150 155.9 128.9 193.3

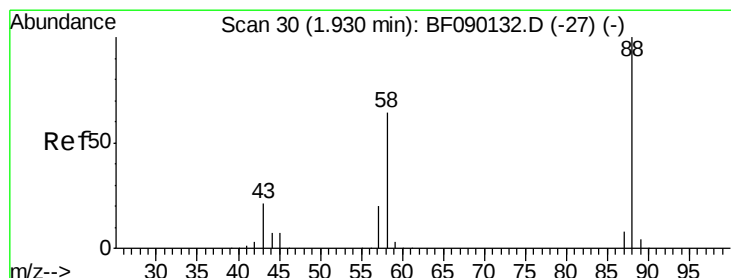
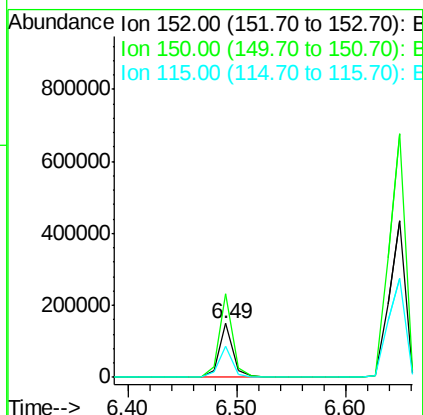
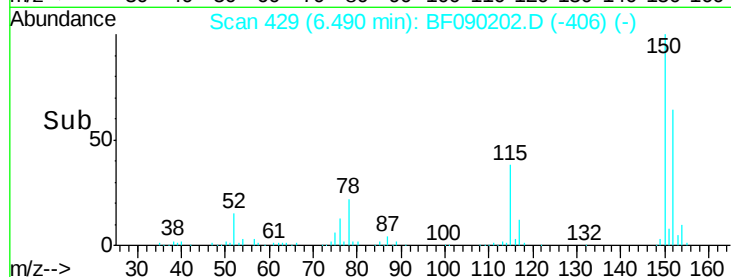
115 59.0 55.5 83.3



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



#2

1,4-Dioxane

Concen: 68.53 ng

RT: 1.66 min Scan# 6

Delta R.T. -0.27 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

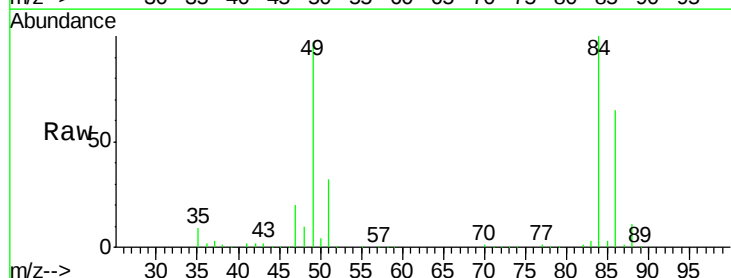
Tgt Ion: 88 Resp: 304740

Ion Ratio Lower Upper

88 100

58 0.0 53.4 80.0#

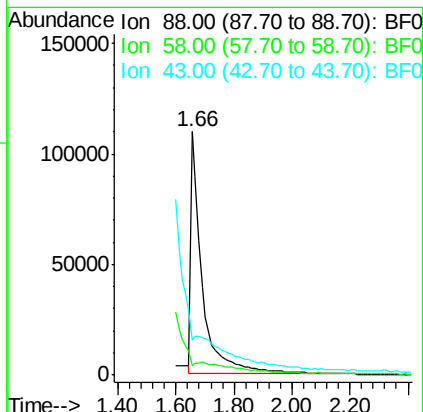
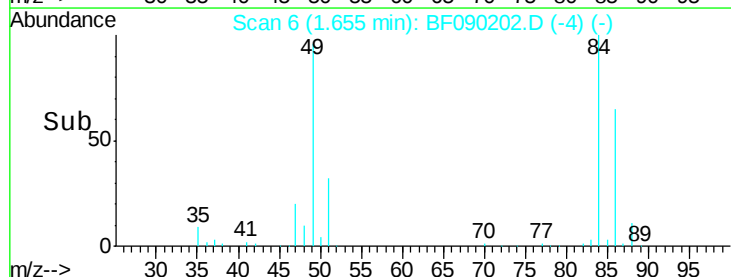
43 0.0 16.5 24.7#

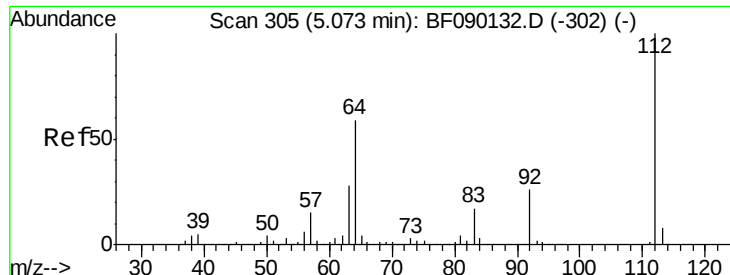


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

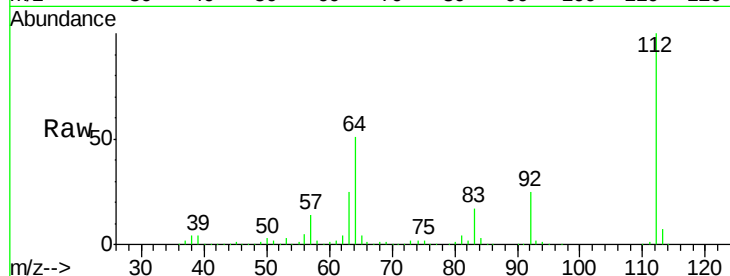




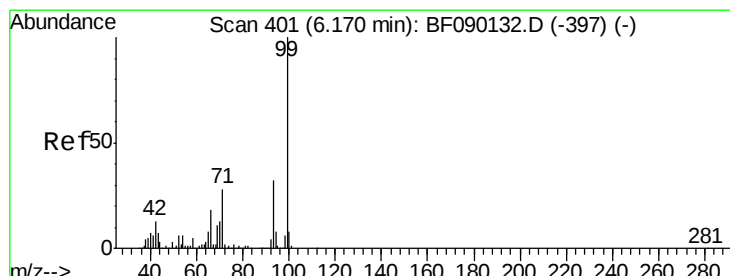
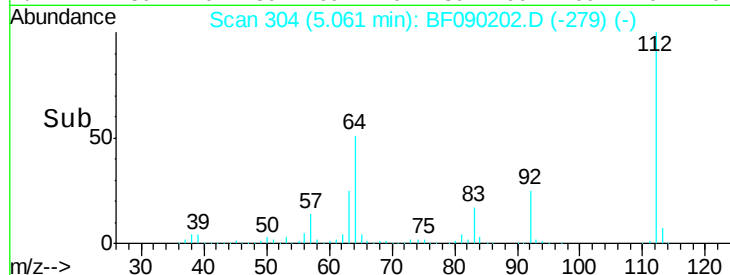
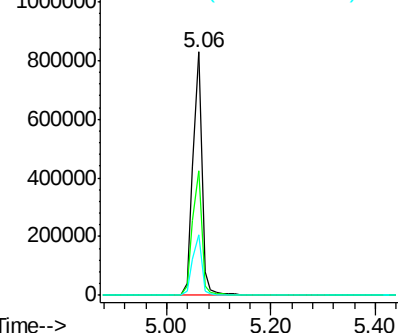
#5
 2-Fluorophenol
 Concen: 122.57 ng
 RT: 5.06 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: BF090202.D
 Acq: 23 Sep 2016 17:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 112 Resp: 1004543
 Ion Ratio Lower Upper
 112 100
 64 51.3 39.8 59.6
 63 25.1 18.9 28.3

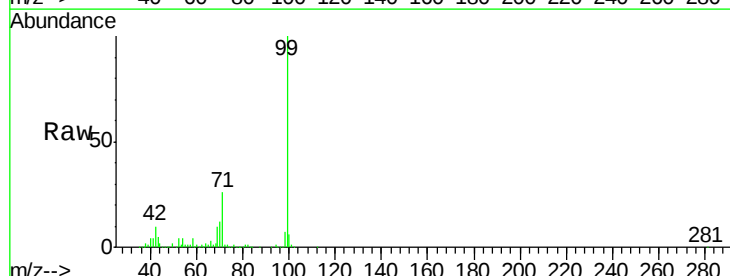


Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0

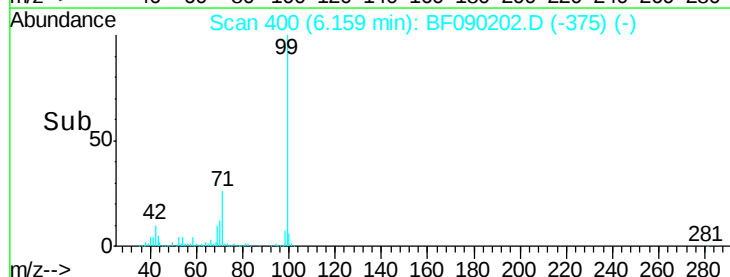
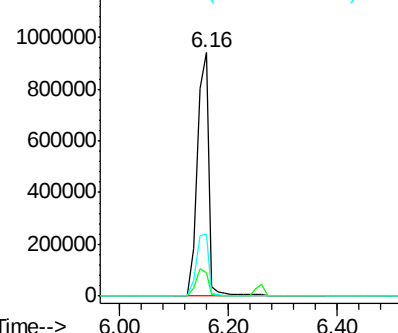


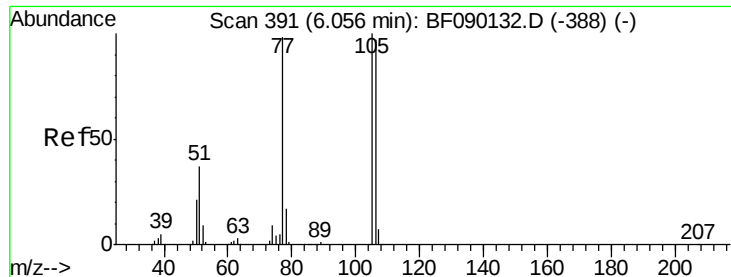
#7
 Phenol-d6
 Concen: 139.02 ng
 RT: 6.16 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: BF090202.D
 Acq: 23 Sep 2016 17:22

Tgt Ion: 99 Resp: 1407109
 Ion Ratio Lower Upper
 99 100
 42 9.7 10.6 15.8#
 71 25.7 23.0 34.6



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





#9

Benzaldehyde

Concen: 4.92 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.21 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

Instrument :

BNA_F

ClientSampleId :

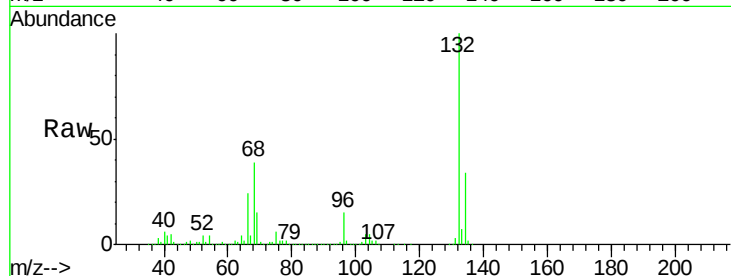
Tot Ion: 77 Resp: 21703

Ion Ratio Lower Upper

77 100

105 83.1 83.0 123.0

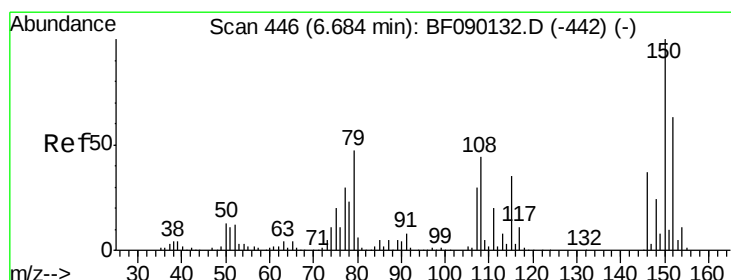
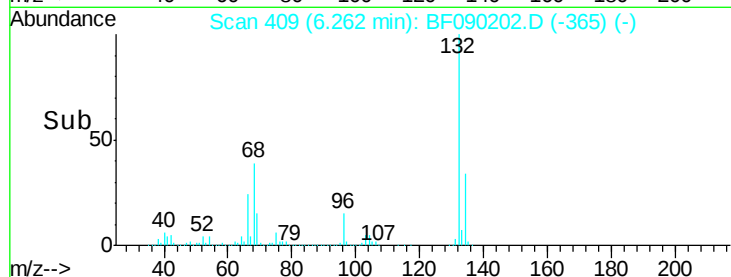
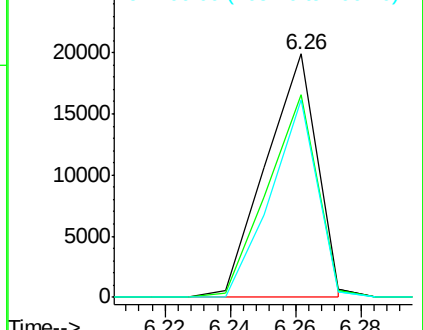
106 81.2 78.5 118.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#15

Benzyl Alcohol

Concen: 2.54 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.03 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

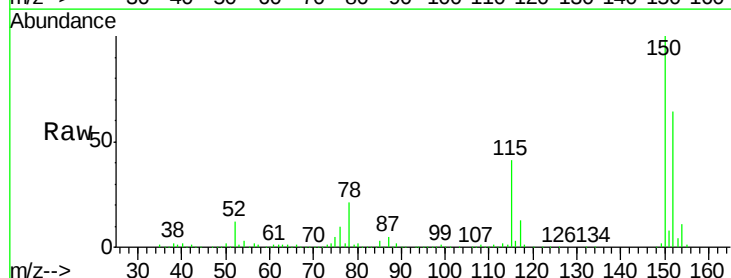
Tgt Ion: 79 Resp: 15324

Ion Ratio Lower Upper

79 100

108 39.0 62.2 93.4#

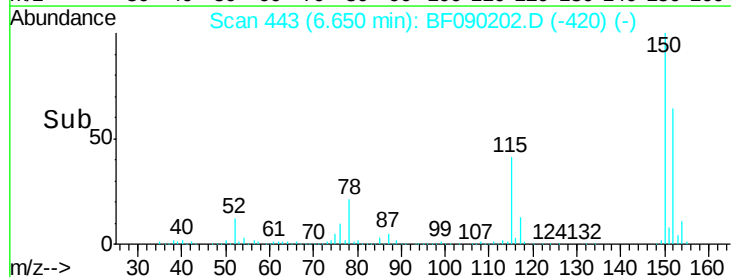
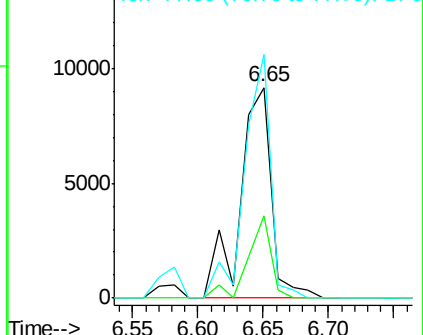
77 115.4 51.4 77.0#

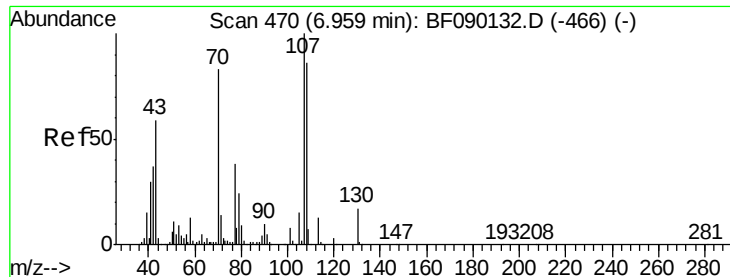


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 15.01 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.10 min

Lab File: BF090202.D

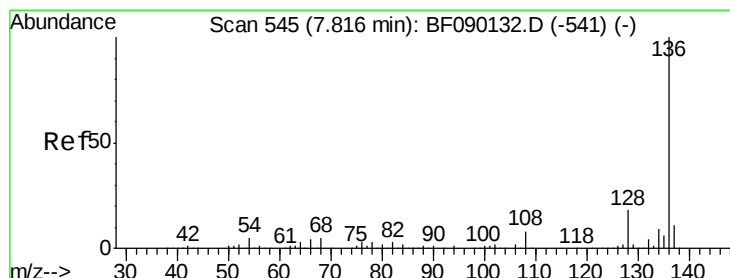
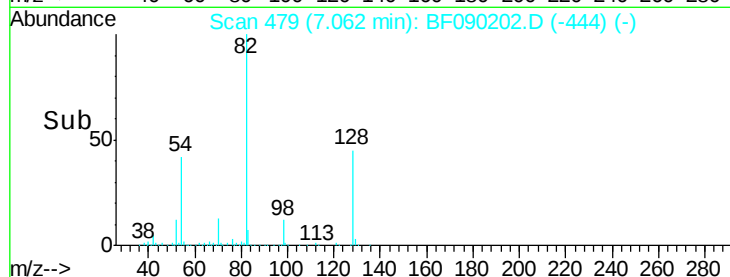
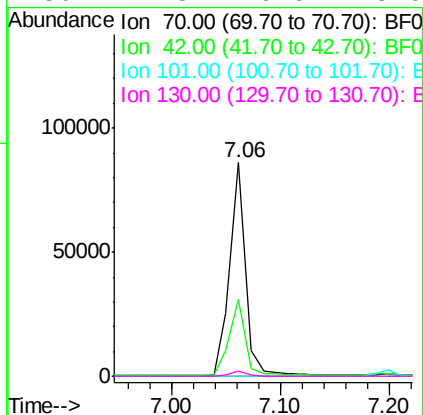
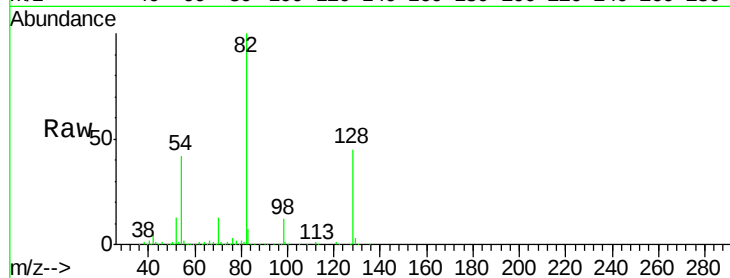
Acq: 23 Sep 2016 17:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	89246
Ion	Ratio	Lower	Upper
70	100		
42	36.0	35.1	52.7
101	0.0	7.5	11.3#
130	2.3	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

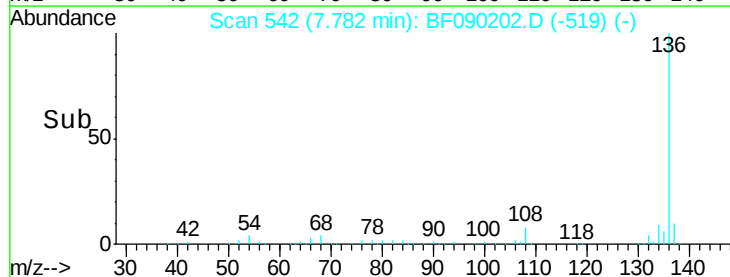
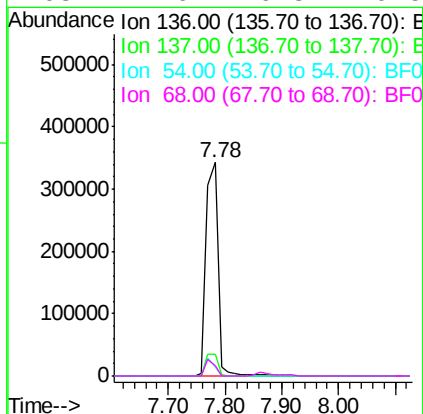
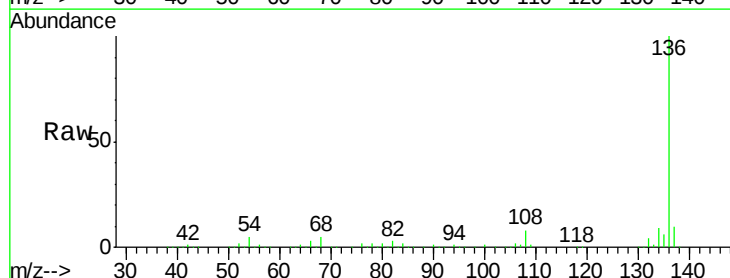
RT: 7.78 min Scan# 542

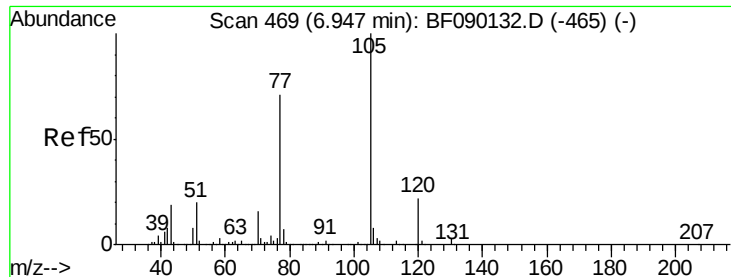
Delta R.T. -0.03 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

Tgt Ion:	136	Resp:	476351
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	4.5	6.4	9.6#
68	4.6	6.3	9.5#

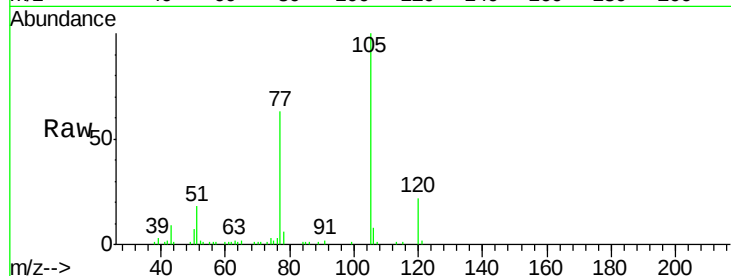




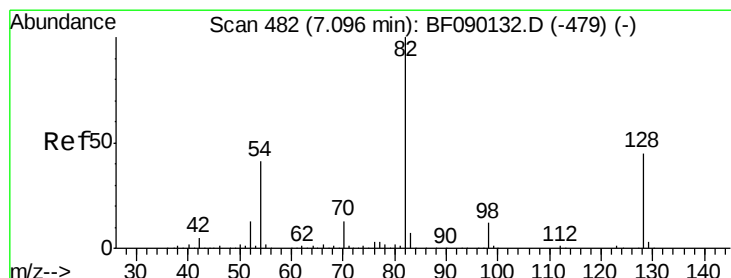
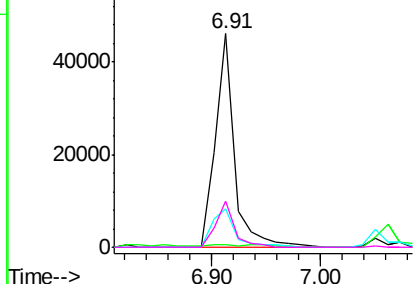
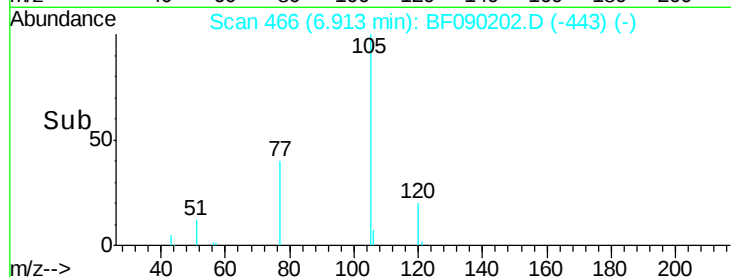
#22
Acetophenone
Concen: 4.92 ng
RT: 6.91 min Scan# 466
Delta R.T. -0.03 min
Lab File: BF090202.D
Acq: 23 Sep 2016 17:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:105 Resp: 56554
Ion Ratio Lower Upper
105 100
71 1.0 4.1 6.1#
51 17.8 16.2 24.2
120 21.8 18.2 27.2

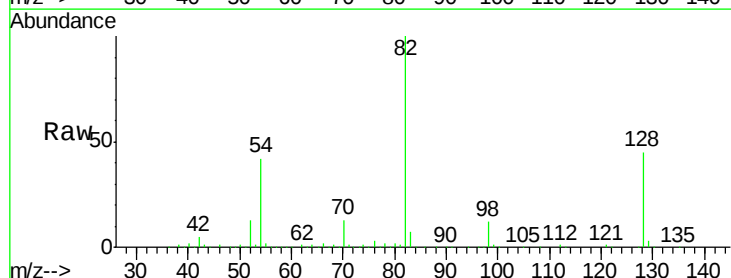


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

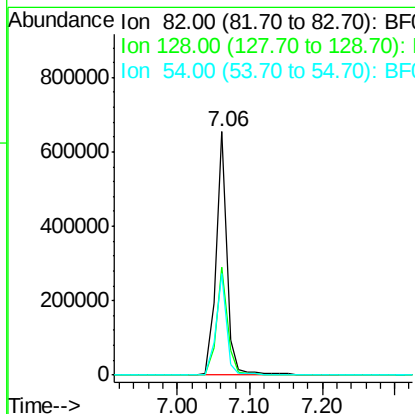
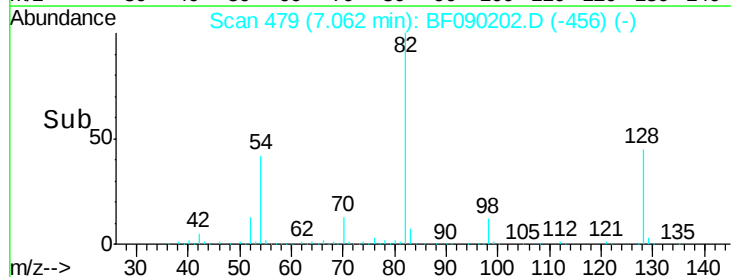


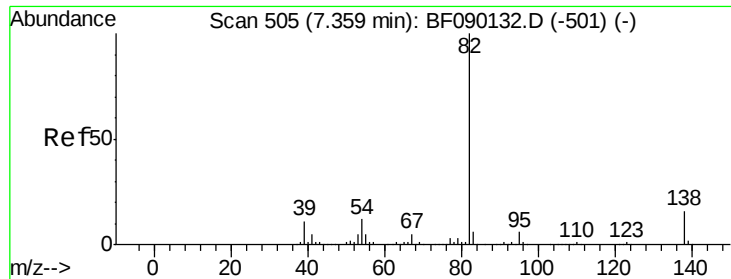
#23
Nitrobenzene-d5
Concen: 84.13 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.03 min
Lab File: BF090202.D
Acq: 23 Sep 2016 17:22

Tgt Ion: 82 Resp: 691367
Ion Ratio Lower Upper
82 100
128 44.6 37.5 56.3
54 41.9 31.9 47.9



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: 31.36 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.30 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

Instrument :

BNA_F

ClientSampleId :

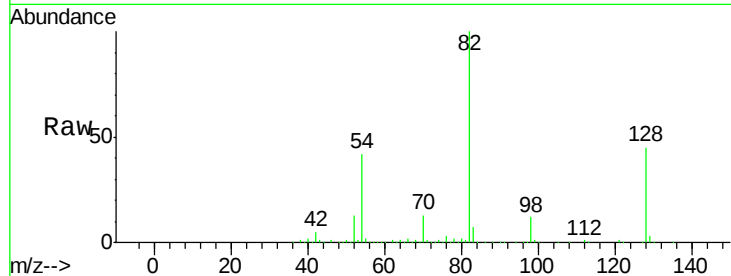
Tot Ion: 82 Resp: 538460

Ion Ratio Lower Upper

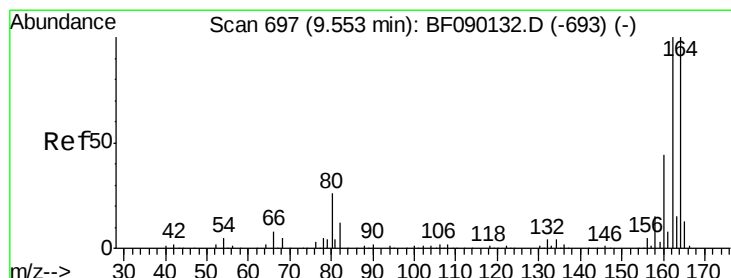
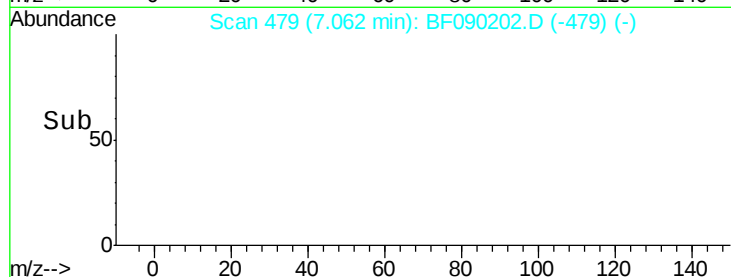
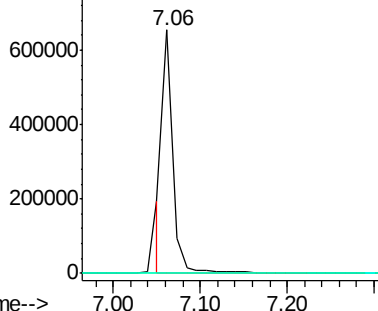
82 100

95 0.0 5.1 7.7#

138 0.0 13.5 20.3#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.03 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

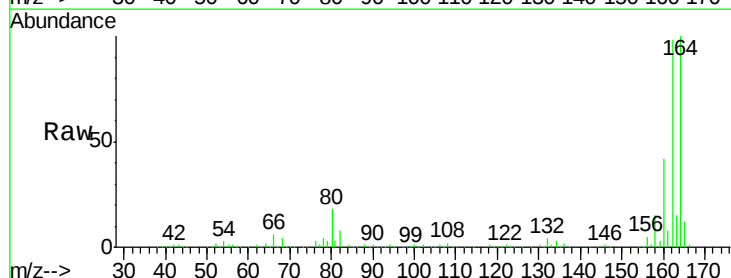
Tgt Ion: 164 Resp: 269181

Ion Ratio Lower Upper

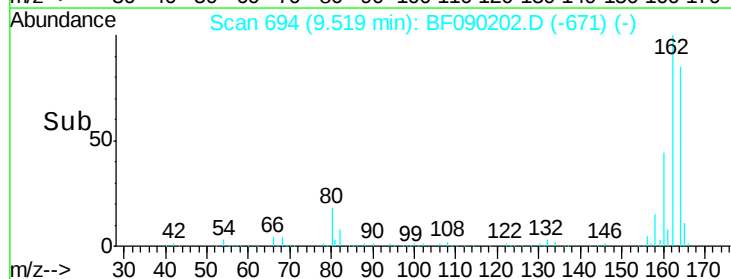
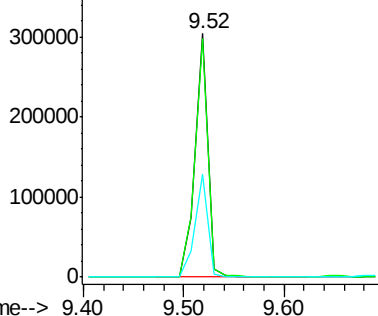
164 100

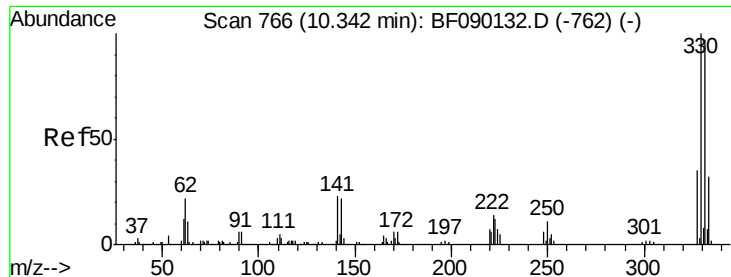
162 97.9 81.4 122.2

160 42.4 36.6 54.8



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

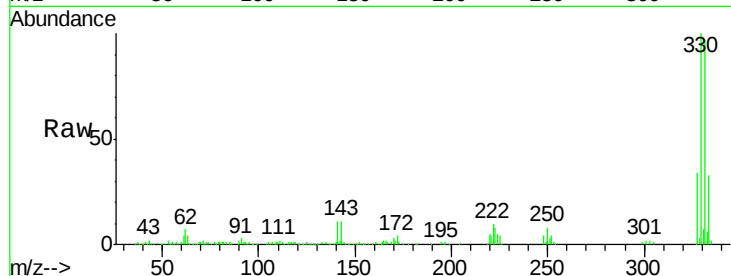




#41
 2,4,6-Tribromophenol
 Concen: 115.43 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.03 min
 Lab File: BF090202.D
 Acq: 23 Sep 2016 17:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.1	117.1
141	29.0	23.9	35.9

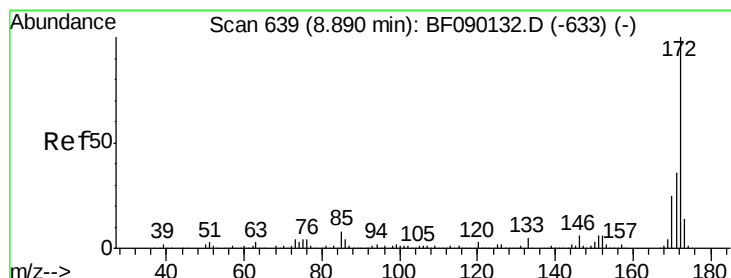
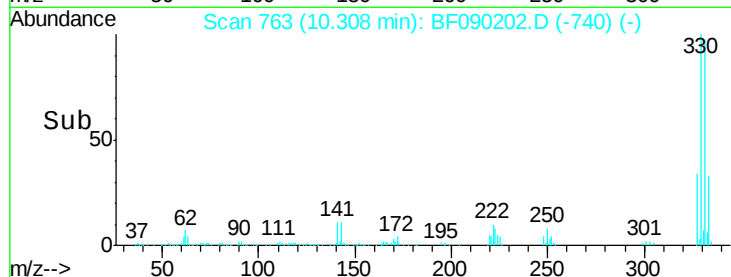
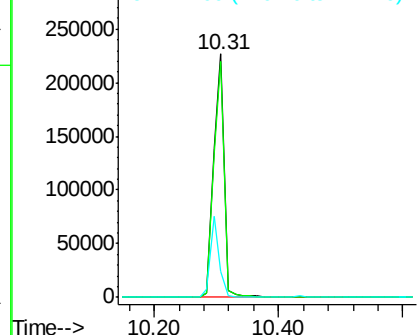


Abundance

Ion 329.80 (329.50 to 330.50): E

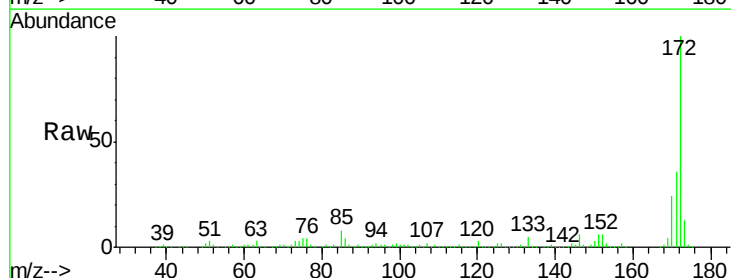
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 72.71 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.03 min
 Lab File: BF090202.D
 Acq: 23 Sep 2016 17:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.2	43.8
170	24.4	19.8	29.8

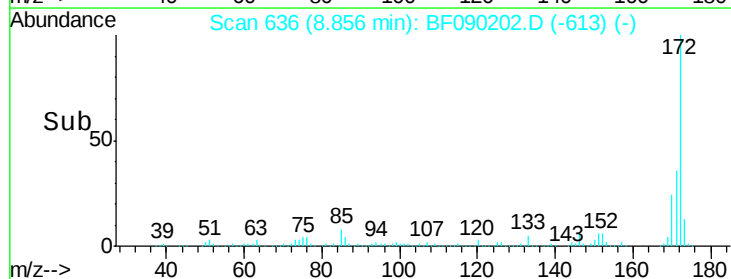
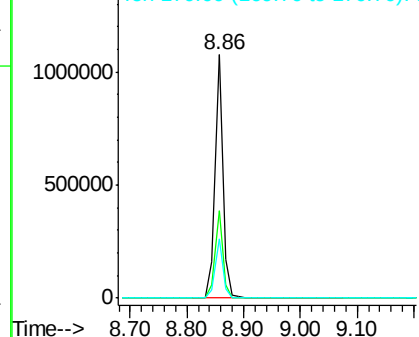


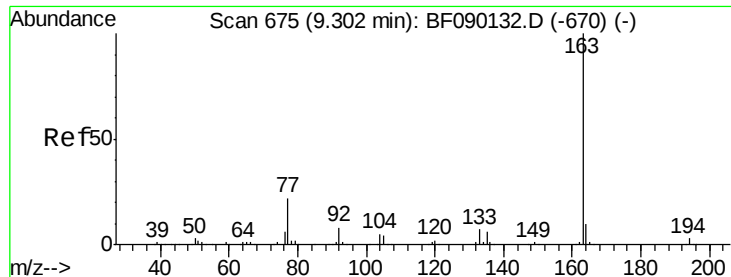
Abundance

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

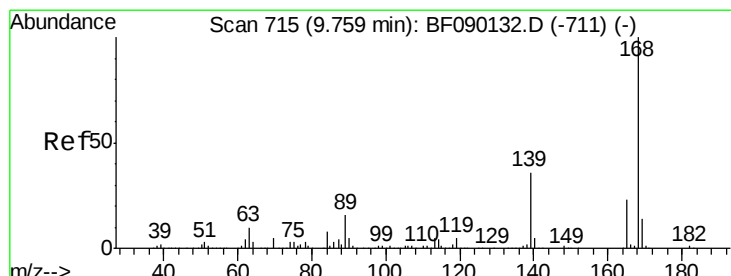
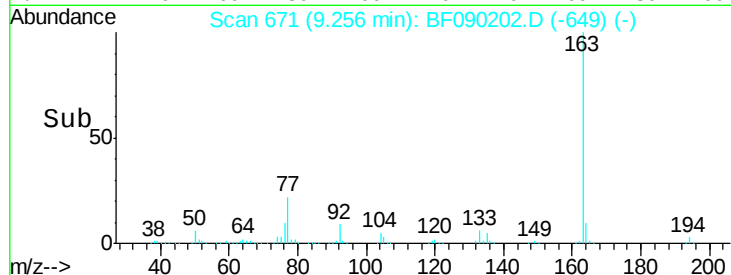
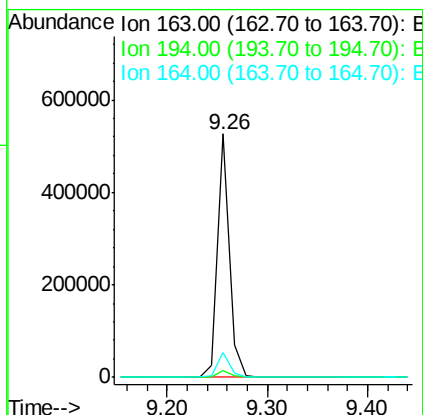
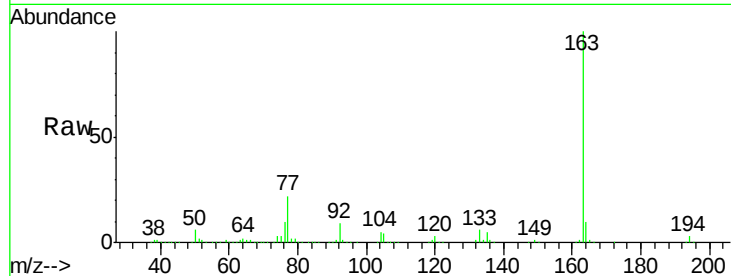




#49
Dimethylphthalate
Concen: 25.39 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.05 min
Lab File: BF090202.D
Acq: 23 Sep 2016 17:22

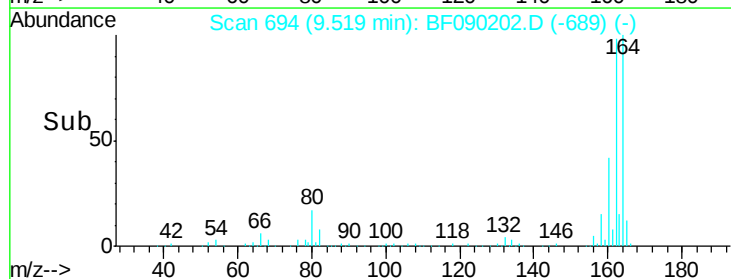
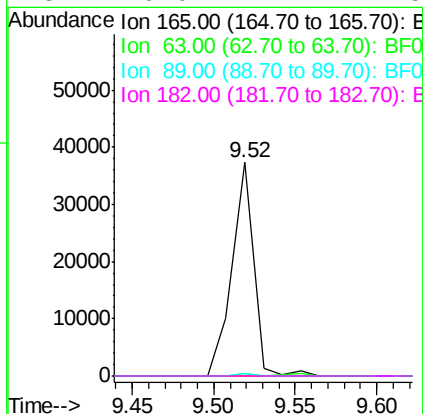
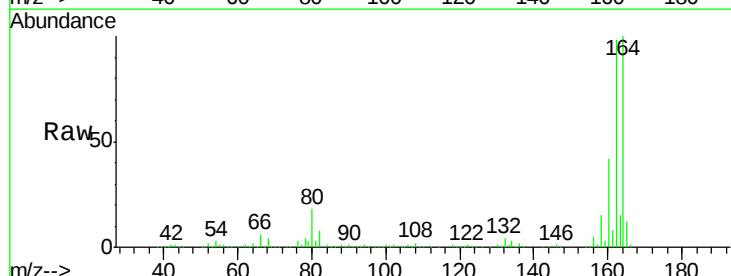
Instrument :
BNA_F
ClientSampleId :

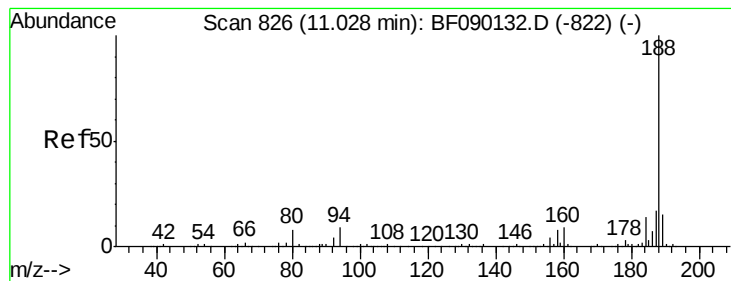
Tot Ion:163 Resp: 435234
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.3 8.1 12.1



#56
2,4-Dinitrotoluene
Concen: 7.61 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.24 min
Lab File: BF090202.D
Acq: 23 Sep 2016 17:22

Tgt Ion:165 Resp: 34363
Ion Ratio Lower Upper
165 100
63 1.1 44.4 66.6#
89 1.2 70.1 105.1#
182 0.0 1.7 2.5#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.98 min Scan# 822

Delta R.T. -0.05 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

Instrument :

BNA_F

ClientSampled :

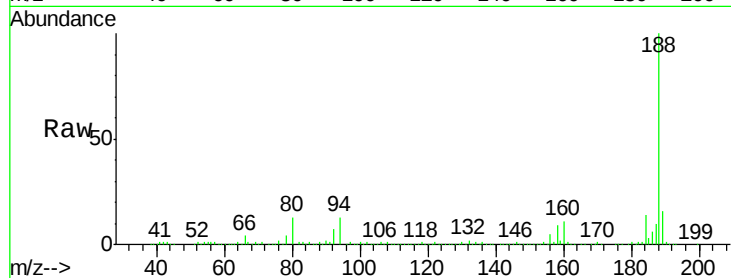
Tot Ion:188 Resp: 349225

Ion Ratio Lower Upper

188 100

94 12.8 10.5 15.7

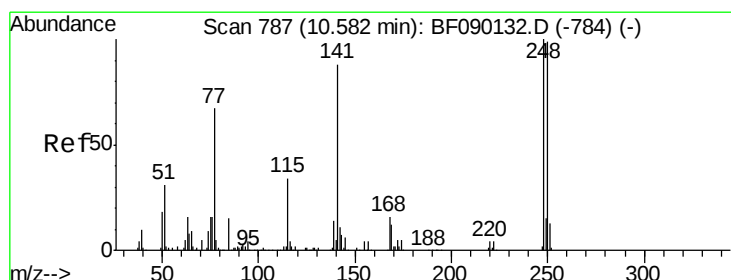
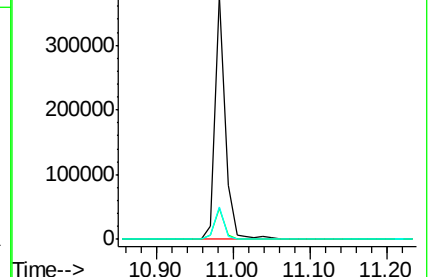
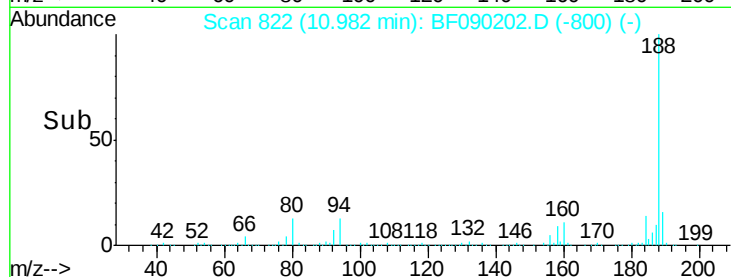
80 13.5 11.2 16.8



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



#66

4-Bromophenyl-phenylether

Concen: 4.11 ng

RT: 10.30 min Scan# 762

Delta R.T. -0.29 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

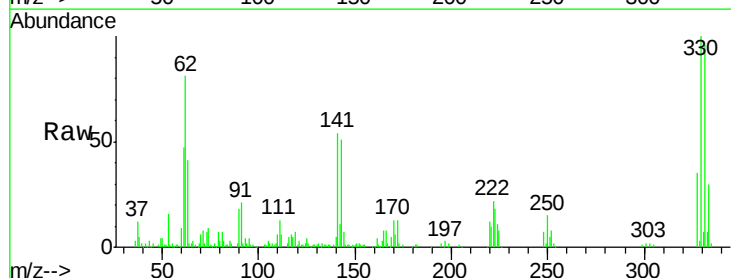
Tgt Ion:248 Resp: 14138

Ion Ratio Lower Upper

248 100

250 198.4 79.4 119.2#

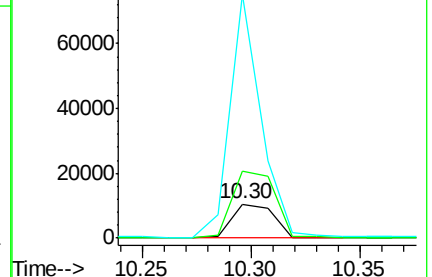
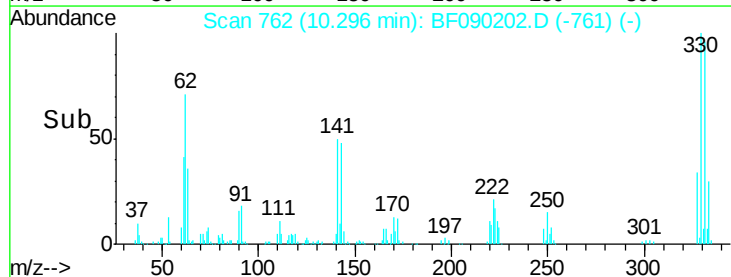
141 721.2 49.3 73.9#

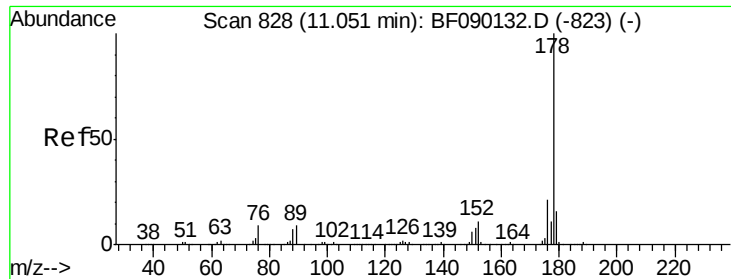


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

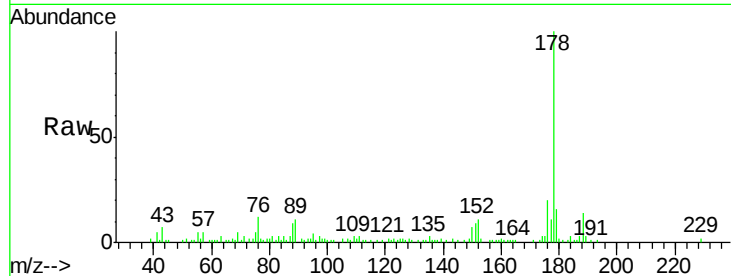




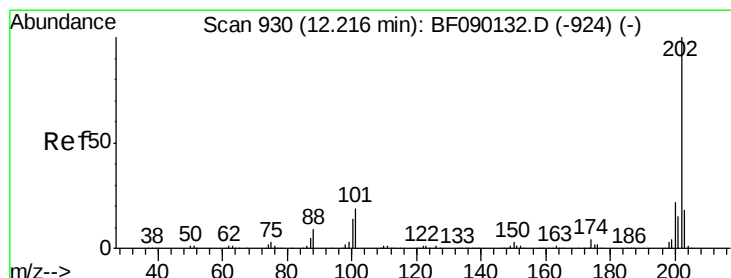
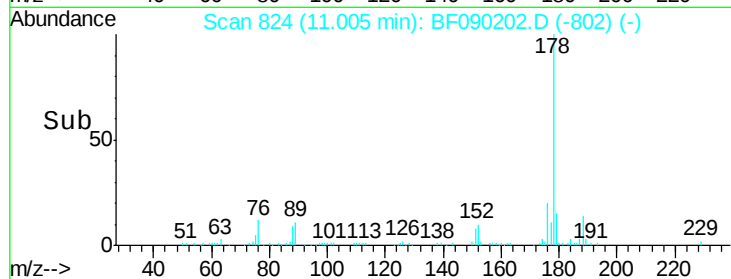
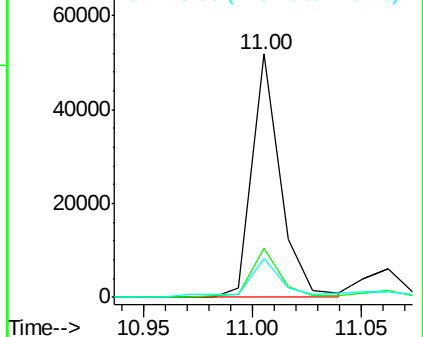
#70
Phenanthrene
Concen: 2.89 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.05 min
Lab File: BF090202.D
Acq: 23 Sep 2016 17:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 47142
Ion Ratio Lower Upper
178 100
176 19.9 15.9 23.9
179 15.7 12.9 19.3

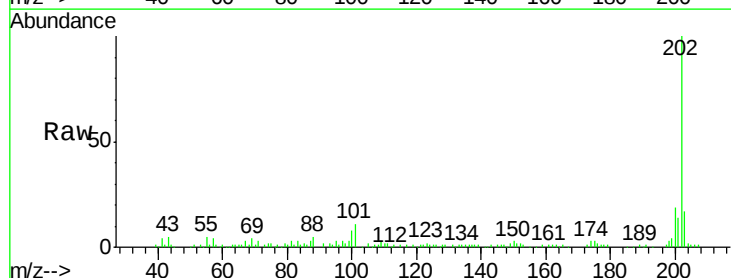


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

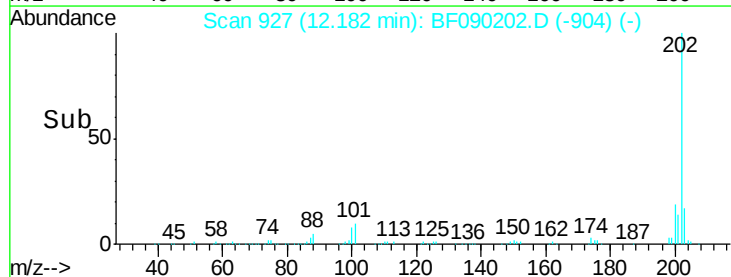
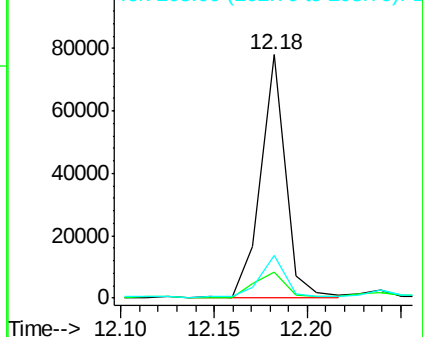


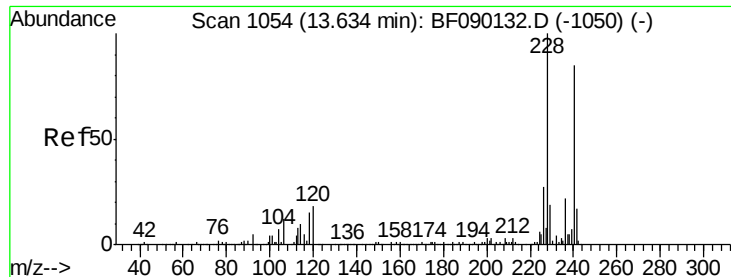
#74
Fluoranthene
Concen: 4.10 ng
RT: 12.18 min Scan# 927
Delta R.T. -0.03 min
Lab File: BF090202.D
Acq: 23 Sep 2016 17:22

Tgt Ion:202 Resp: 71957
Ion Ratio Lower Upper
202 100
101 10.7 0.0 36.1
203 17.4 0.0 38.2



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: 13.60 min Scan# 1051

Delta R.T. -0.03 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

Instrument :

BNA_F

ClientSampleId :

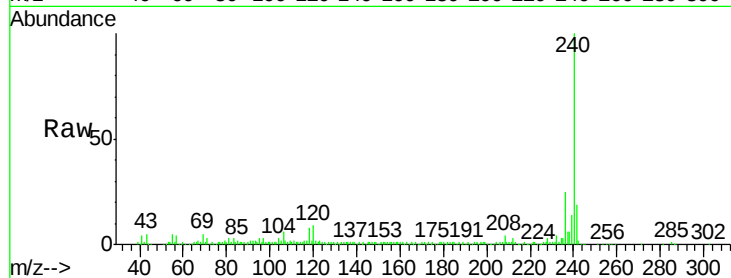
Tot Ion:240 Resp: 228736

Ion Ratio Lower Upper

240 100

120 9.3 10.6 16.0#

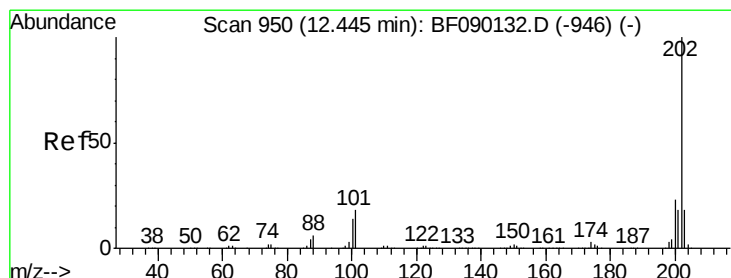
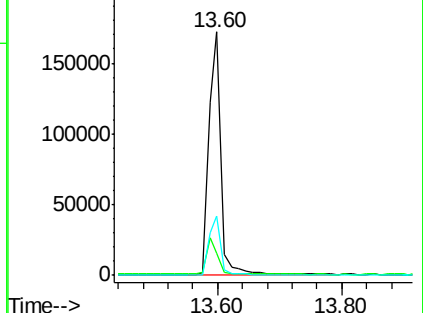
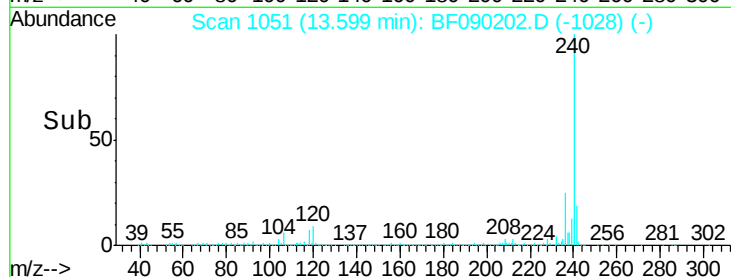
236 24.6 21.6 32.4



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: 4.60 ng

RT: 12.18 min Scan# 927

Delta R.T. -0.26 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

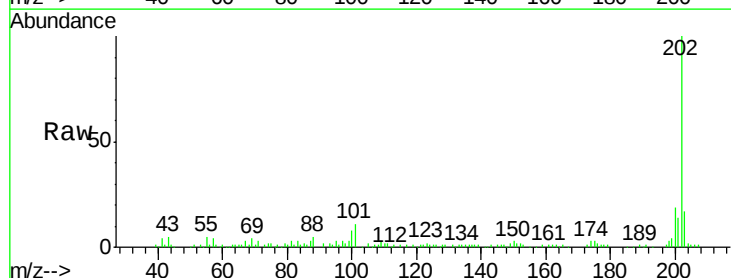
Tgt Ion:202 Resp: 71957

Ion Ratio Lower Upper

202 100

200 19.5 17.9 26.9

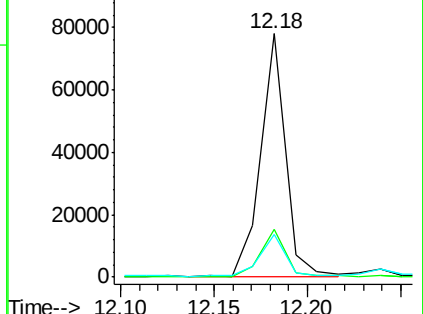
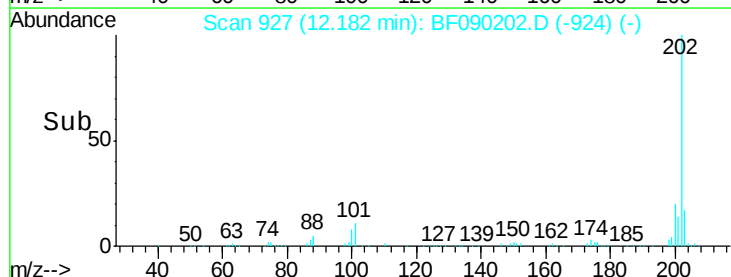
203 17.4 14.2 21.4

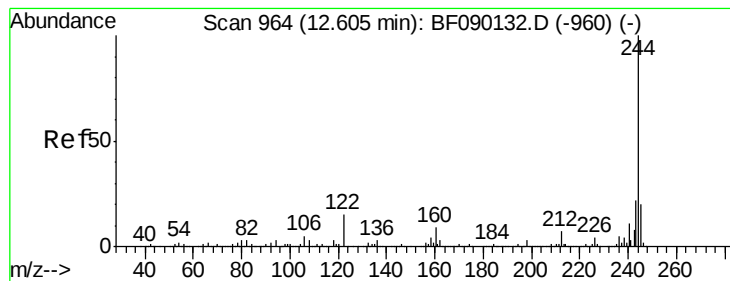


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.92 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.03 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

Instrument :

BNA_F

ClientSampleId :

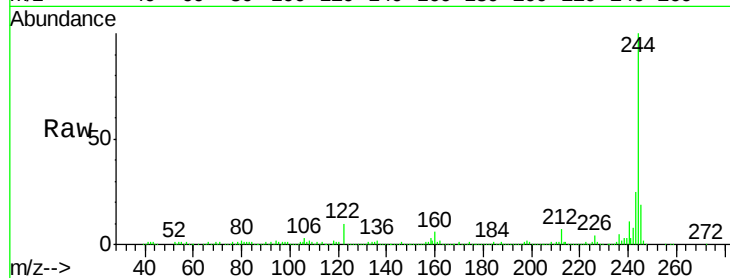
Tot Ion:244 Resp: 638941

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.8

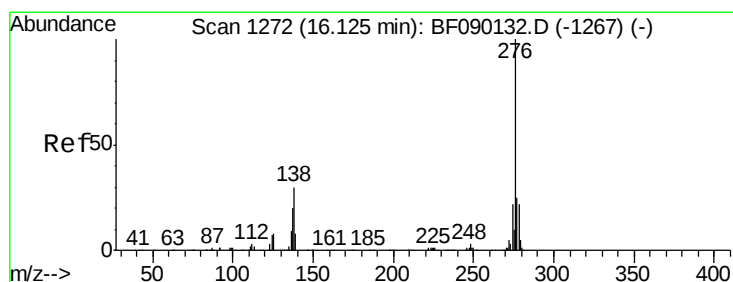
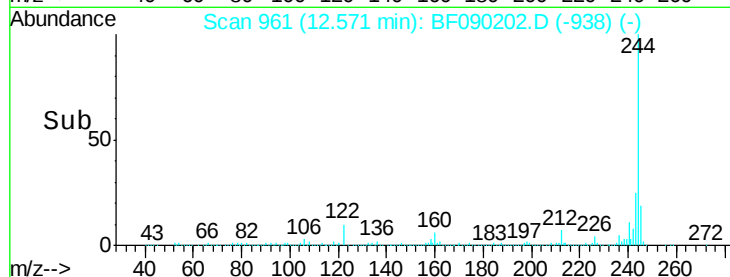
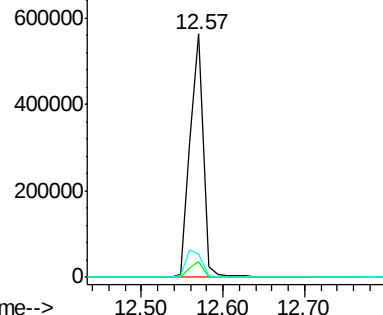
122 9.8 9.4 14.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.15 ng

RT: 16.07 min Scan# 1267

Delta R.T. -0.06 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

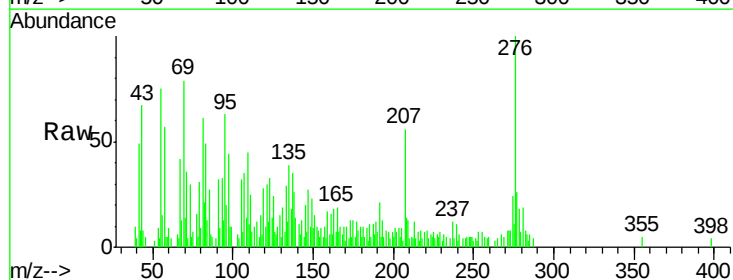
Tgt Ion:276 Resp: 20835

Ion Ratio Lower Upper

276 100

138 18.5 25.9 38.9#

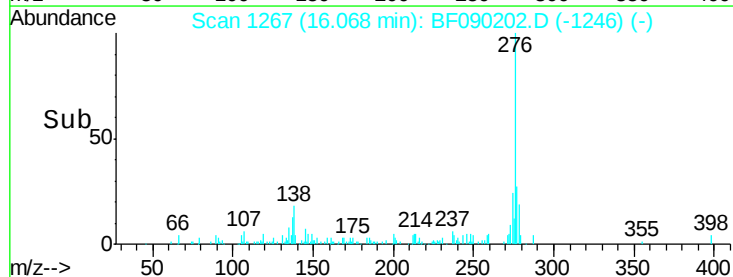
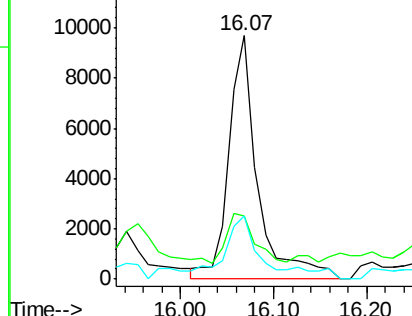
277 20.8 19.9 29.9

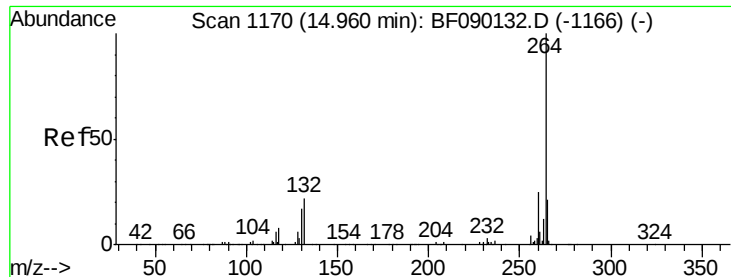


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

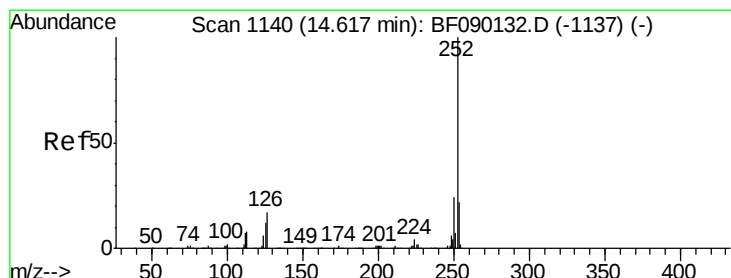
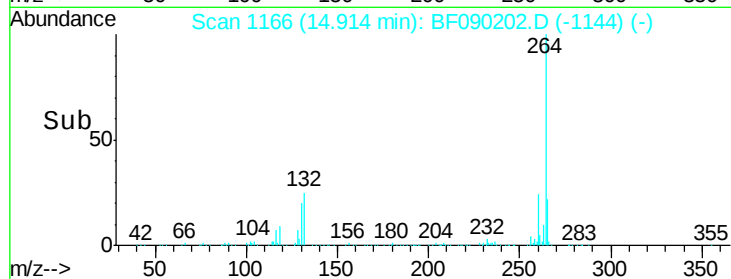
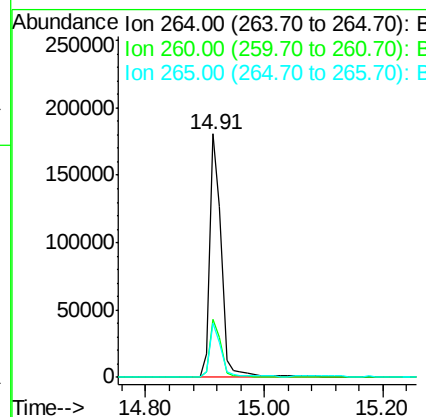
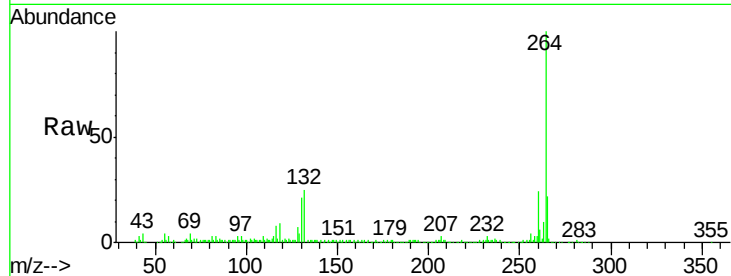




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.91 min Scan# 1166
Delta R.T. -0.05 min
Lab File: BF090202.D
Acq: 23 Sep 2016 17:22

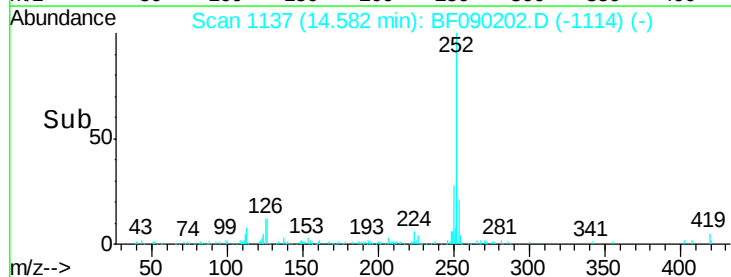
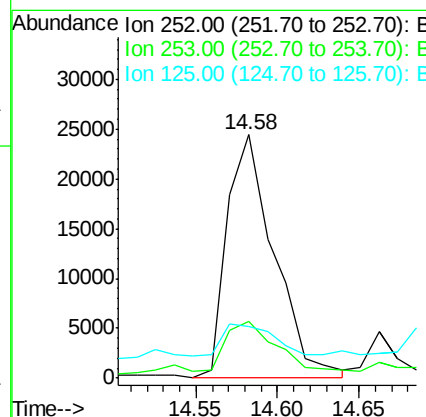
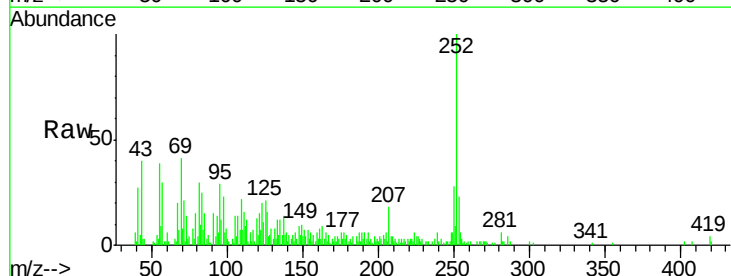
Instrument :
BNA_F
ClientSampled :

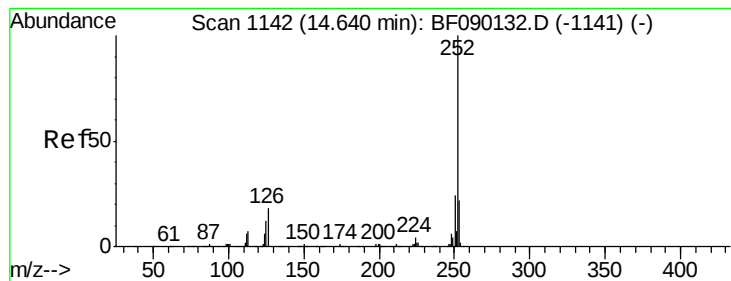
Tot Ion:264 Resp: 249509
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 22.1 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 3.53 ng
RT: 14.58 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF090202.D
Acq: 23 Sep 2016 17:22

Tgt Ion:252 Resp: 48818
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 21.3 12.7 19.1#





#88

Benzo(k)fluoranthene

Concen: 3.76 ng

RT: 14.58 min Scan# 1137

Delta R.T. -0.06 min

Lab File: BF090202.D

Acq: 23 Sep 2016 17:22

Instrument :

BNA_F

ClientSampleId :

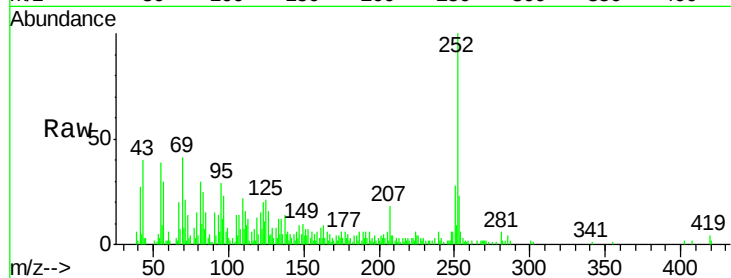
Tot Ion:252 Resp: 48818

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 21.3 7.8 11.6#



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

