

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
 Data File : BF090203.D
 Acq On : 23 Sep 2016 17:49
 Operator : UM/SJ
 Sample : H4867-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 23 18:43:23 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	124079	20.00	ng	-0.03
21) Naphthalene-d8	7.78	136	463064	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	237693	20.00	ng	-0.03
63) Phenanthrene-d10	10.98	188	300242	20.00	ng	-0.05
75) Chrysene-d12	13.60	240	238816	20.00	ng	-0.03
86) Perylene-d12	14.93	264	264012	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.06	112	998307	131.15	ng	-0.01
7) Phenol-d6	6.16	99	1389675	147.82	ng	-0.01
23) Nitrobenzene-d5	7.06	82	719137	90.03	ng	-0.03
41) 2,4,6-Tribromophenol	10.31	330	269620	132.22	ng	-0.03
44) 2-Fluorobiphenyl	8.86	172	982802	81.17	ng	-0.03
78) Terphenyl-d14	12.57	244	594220	63.17	ng	-0.03

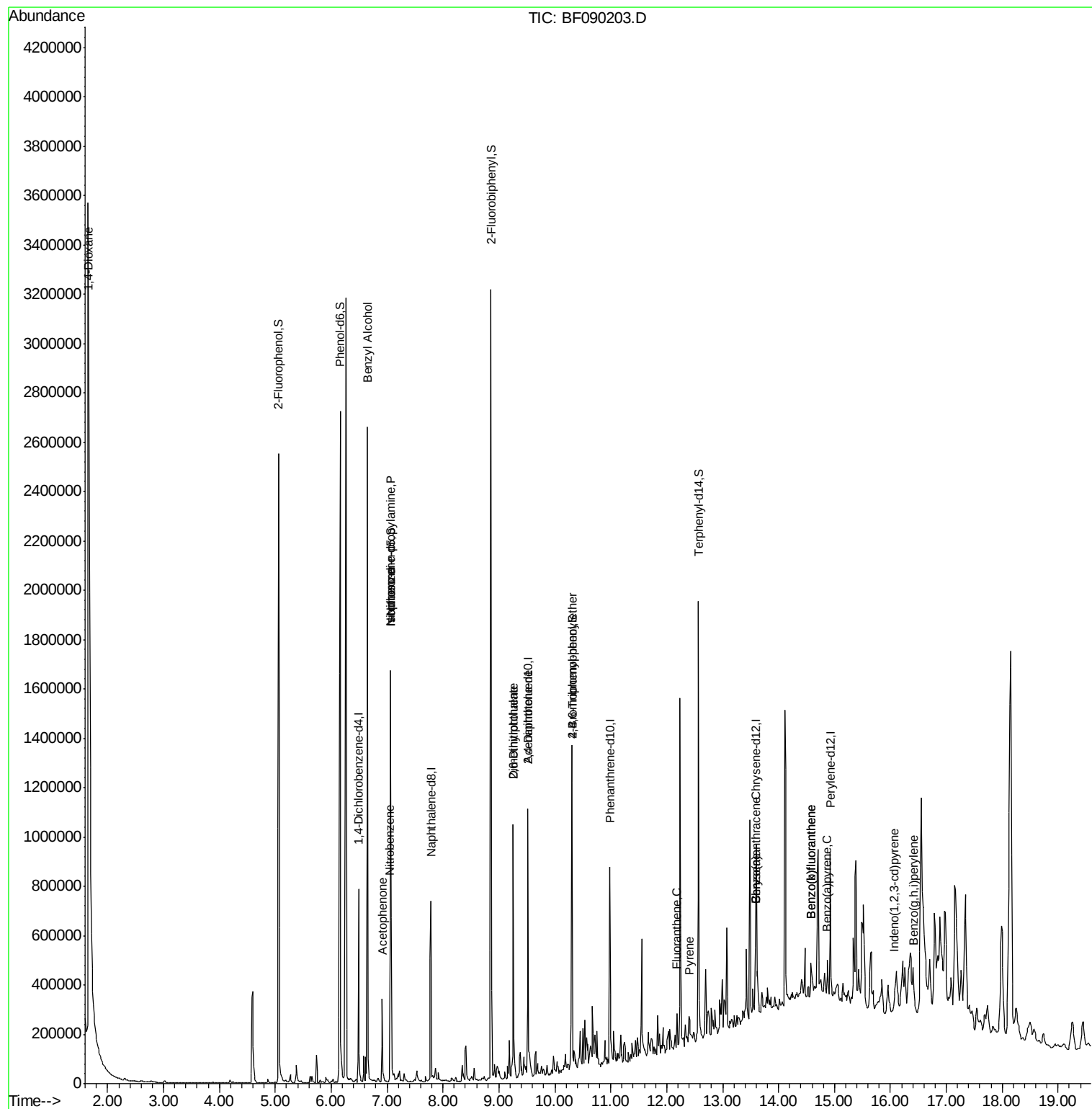
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.66	88	271758	65.80	ng	# 26
15) Benzyl Alcohol	6.65	79	20342	3.63	ng	# 50
19) n-Nitroso-di-n-propylamine	7.06	70	90426	16.37	ng	# 80
22) Acetophenone	6.91	105	136533	12.23	ng	# 95
24) Nitrobenzene	7.05	77	17028	2.05	ng	# 50
25) Isophorone	7.06	82	591829	35.46	ng	# 67
49) Dimethylphthalate	9.26	163	405452	26.78	ng	# 98
50) 2,6-Dinitrotoluene	9.26	165	7726	2.29	ng	# 32
56) 2,4-Dinitrotoluene	9.52	165	31191	7.82	ng	# 15
66) 4-Bromophenyl-phenylether	10.31	248	15134	5.12	ng	# 1
74) Fluoranthene	12.18	202	58332	3.87	ng	# 96
77) Pvrene	12.41	202	49238	3.01	ng	# 97
80) Benzo(a)anthracene	13.59	228	44064	3.43	ng	# 96
82) Chrysene	13.59	228	44064	3.52	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.07	276	26427	2.61	ng	# 91
87) Benzo(b)fluoranthene	14.58	252	71233	4.87	ng	# 95
88) Benzo(k)fluoranthene	14.58	252	71233	5.19	ng	# 90
89) Benzo(a)pyrene	14.87	252	33875	2.46	ng	# 84
91) Benzo(a,h,i)perylene	16.42	276	23448	2.23	ng	# 86

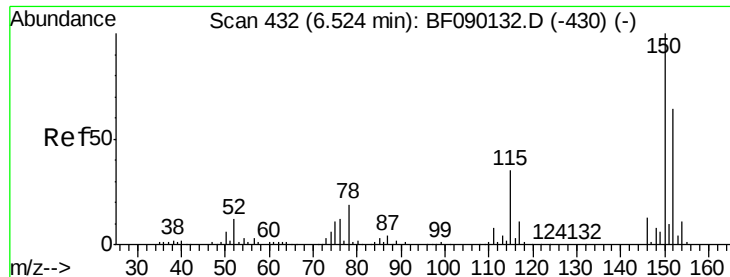
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 23 18:09:48 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

ClientSampleId :

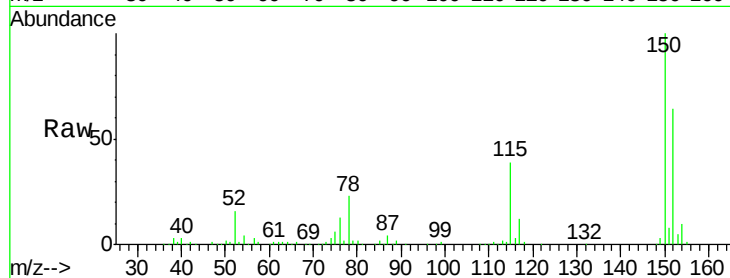
Tot Ion:152 Resp: 124079

Ion Ratio Lower Upper

152 100

150 157.2 128.9 193.3

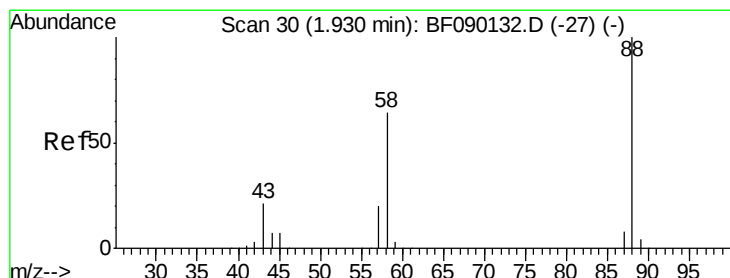
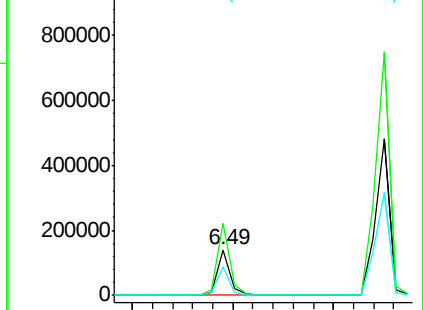
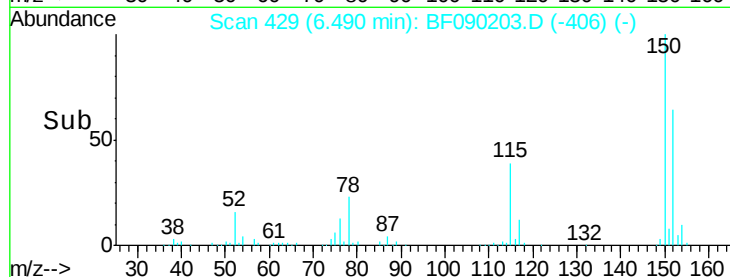
115 62.1 55.5 83.3



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: 65.80 ng

RT: 1.66 min Scan# 6

Delta R.T. -0.27 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

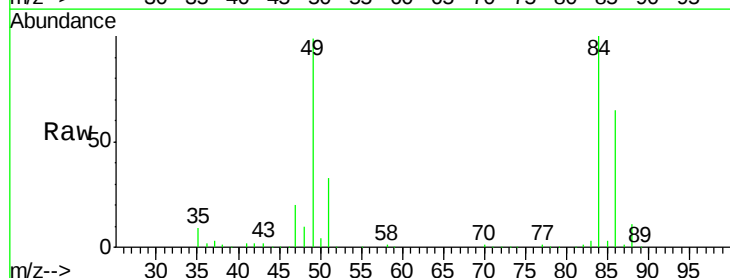
Tgt Ion: 88 Resp: 271758

Ion Ratio Lower Upper

88 100

58 0.0 53.4 80.0#

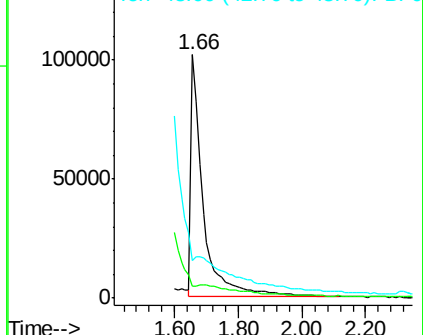
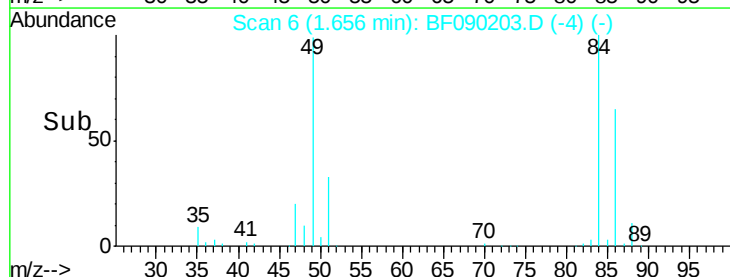
43 0.0 16.5 24.7#

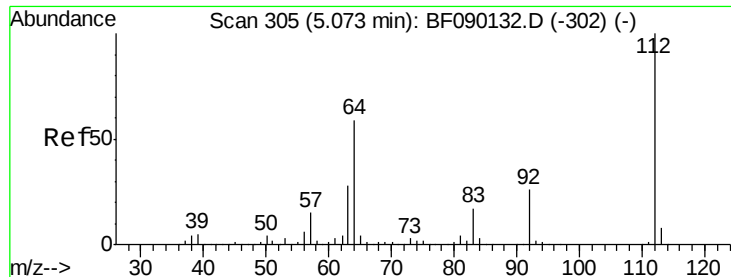


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 131.15 ng

RT: 5.06 min Scan# 304

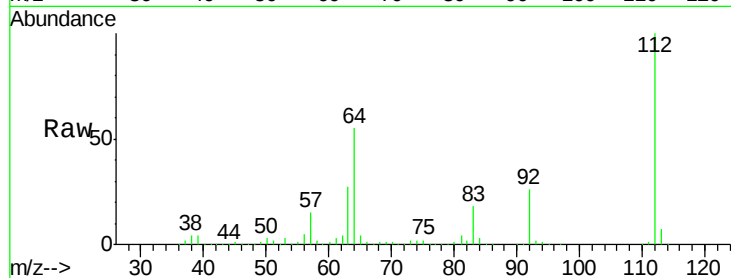
Delta R.T. -0.01 min

Lab File: BF090203.D

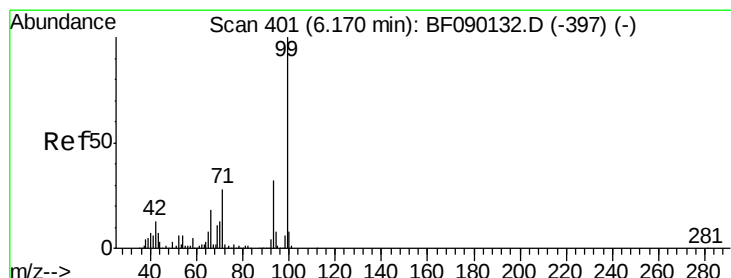
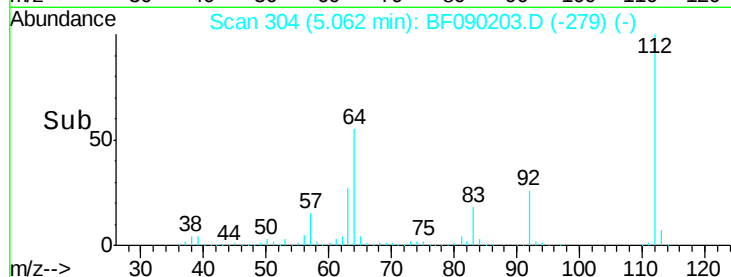
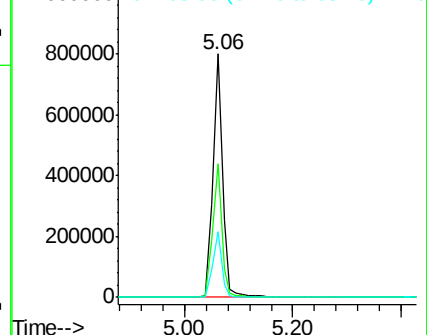
Acq: 23 Sep 2016 17:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:	112	Resp:	998307
Ion	Ratio	Lower	Upper
112	100		
64	55.1	39.8	59.6
63	27.0	18.9	28.3



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



#7

Phenol-d6

Concen: 147.82 ng

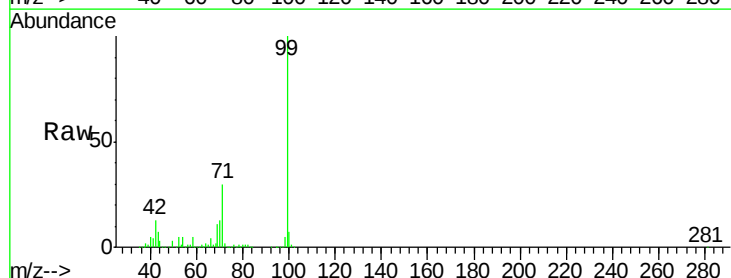
RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

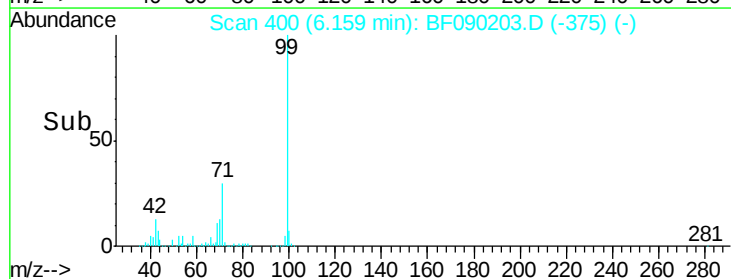
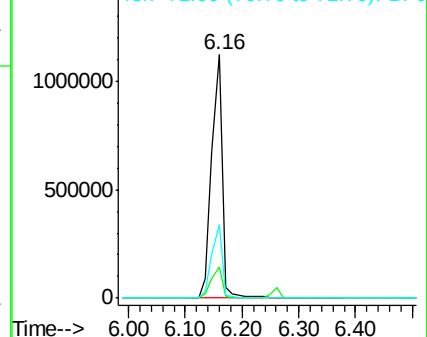
Lab File: BF090203.D

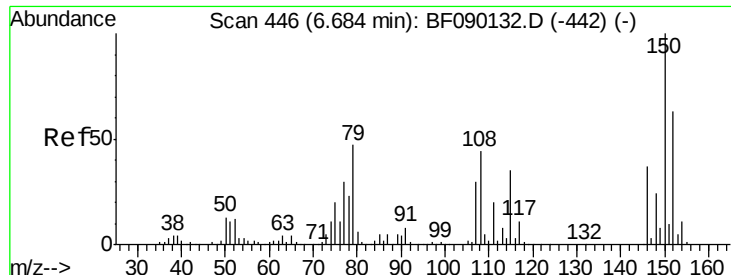
Acq: 23 Sep 2016 17:49

Tgt Ion:	99	Resp:	1389675
Ion	Ratio	Lower	Upper
99	100		
42	12.6	10.6	15.8
71	30.1	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





#15

Benzyl Alcohol

Concen: 3.63 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

ClientSampled :

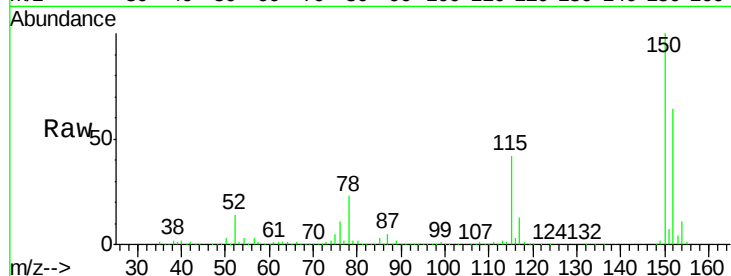
Tot Ion: 79 Resp: 20342

Ion Ratio Lower Upper

79 100

108 33.5 62.2 93.4#

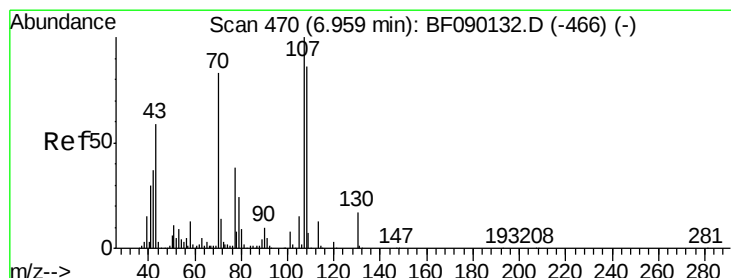
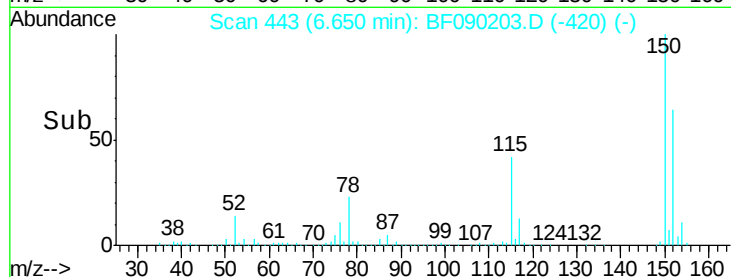
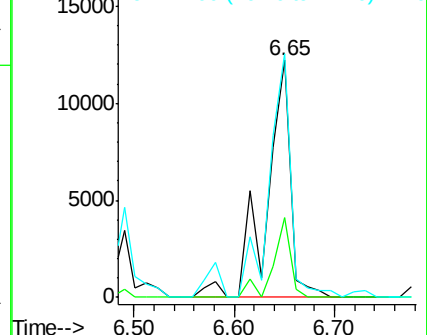
77 102.7 51.4 77.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.37 ng

RT: 7.06 min Scan# 479

Delta R.T. 0.10 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Tgt Ion: 70 Resp: 90426

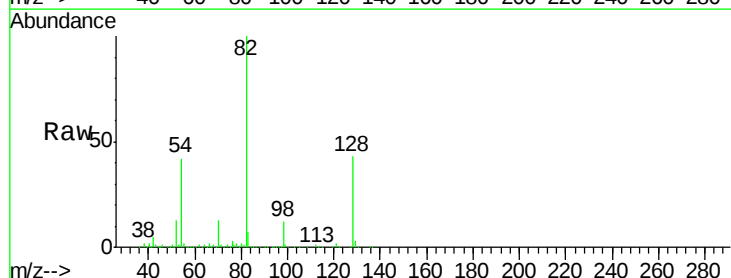
Ion Ratio Lower Upper

70 100

42 37.6 35.1 52.7

101 0.0 7.5 11.3#

130 2.4 16.6 25.0#

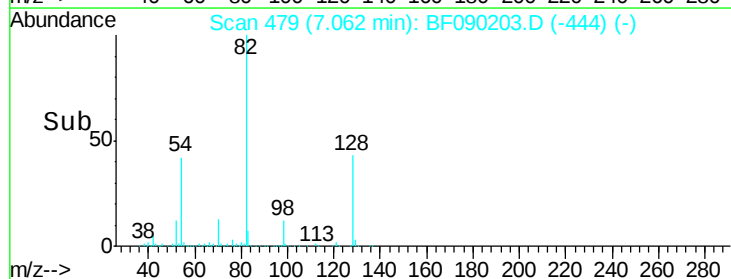
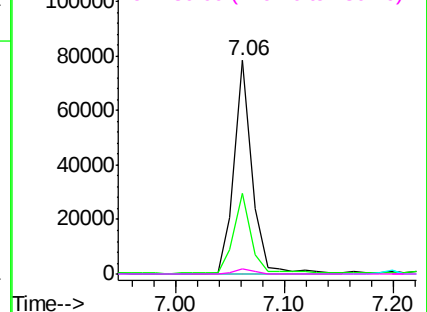


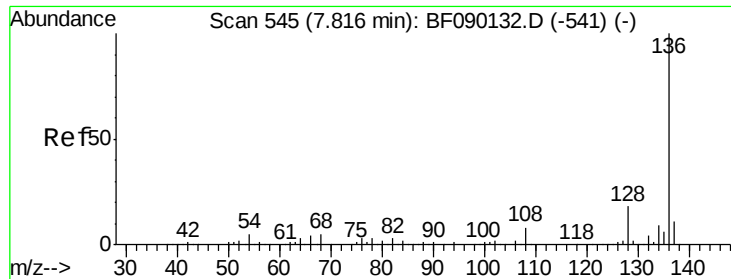
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

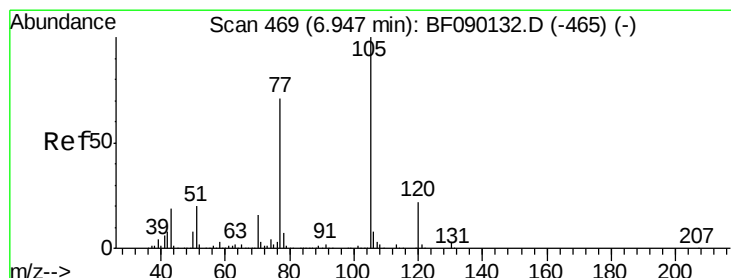
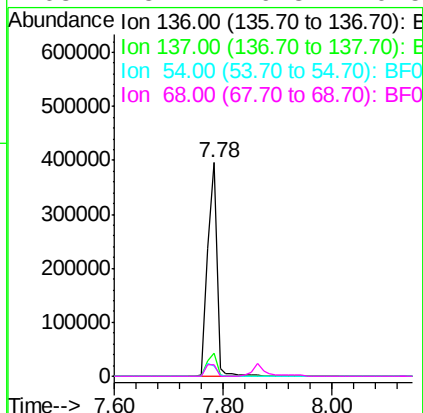
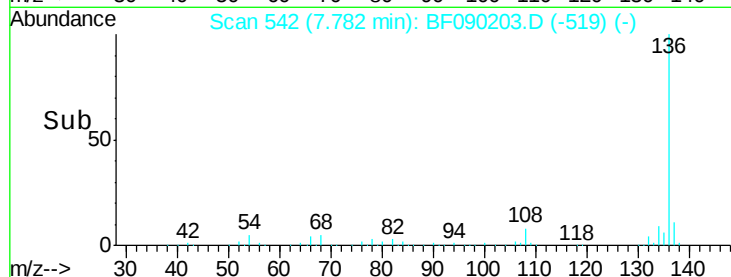
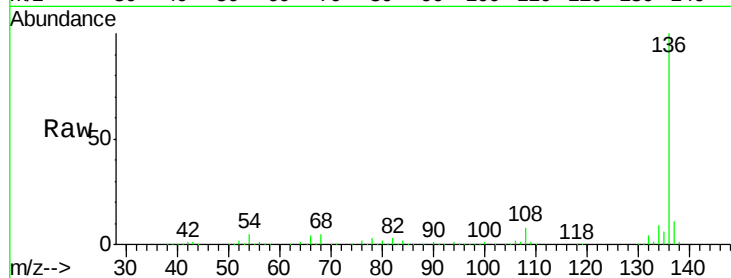




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.03 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

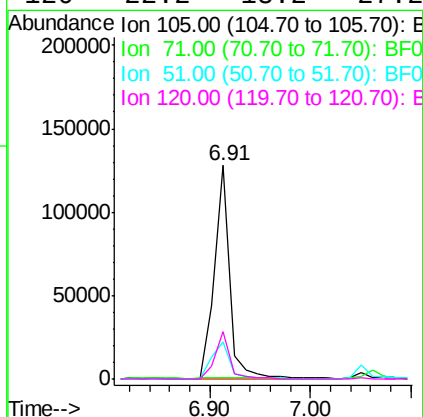
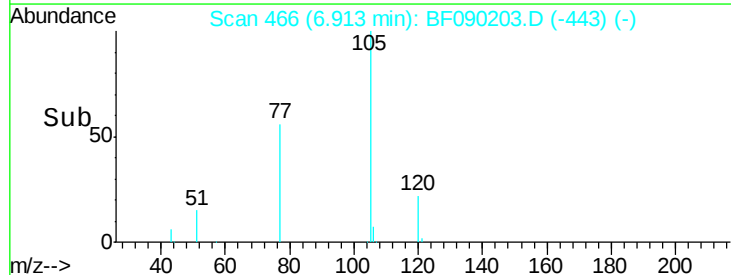
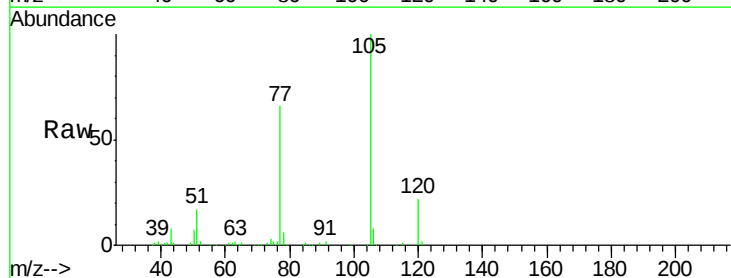
Instrument :
BNA_F
ClientSampleId :

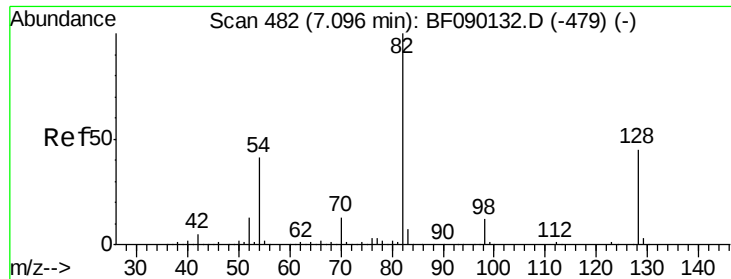
Tot Ion:136	Resp:	463064
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.0 13.4
54	4.9	6.4 9.6#
68	5.1	6.3 9.5#



#22
Acetophenone
Concen: 12.23 ng
RT: 6.91 min Scan# 466
Delta R.T. -0.03 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Tgt Ion:105	Resp:	136533
Ion Ratio	Lower	Upper
105	100	
71	0.4	4.1 6.1#
51	17.3	16.2 24.2
120	22.2	18.2 27.2

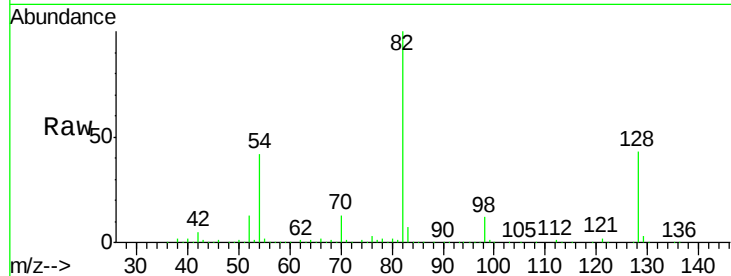




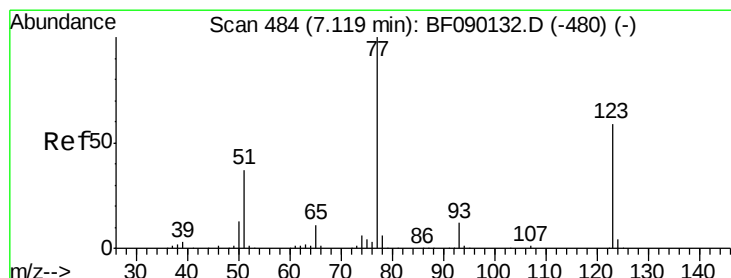
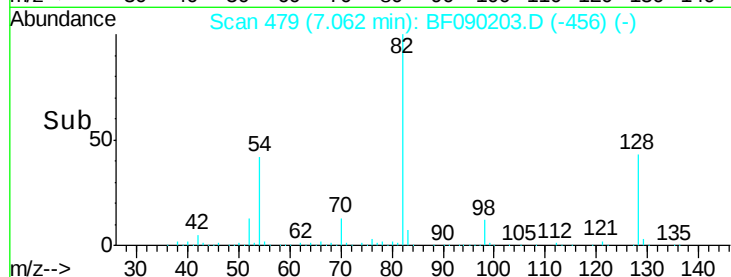
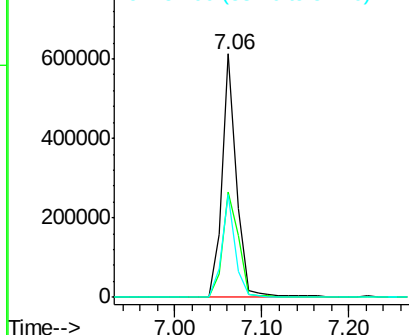
#23
 Nitrobenzene-d5
 Concen: 90.03 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.03 min
 Lab File: BF090203.D
 Acq: 23 Sep 2016 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	719137
Ion Ratio	Lower	Upper	
82	100		
128	43.2	37.5	56.3
54	42.2	31.9	47.9

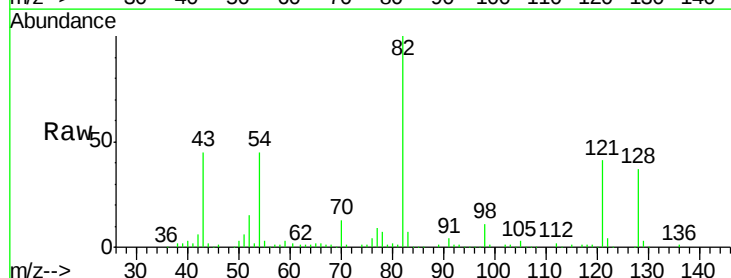


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

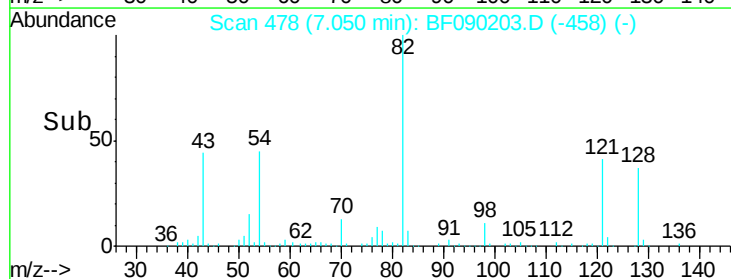
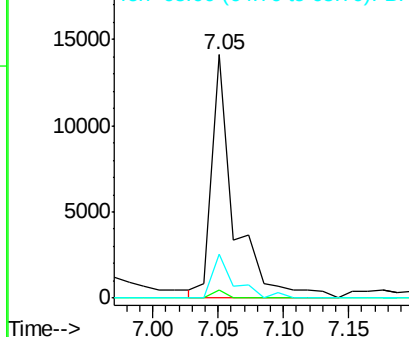


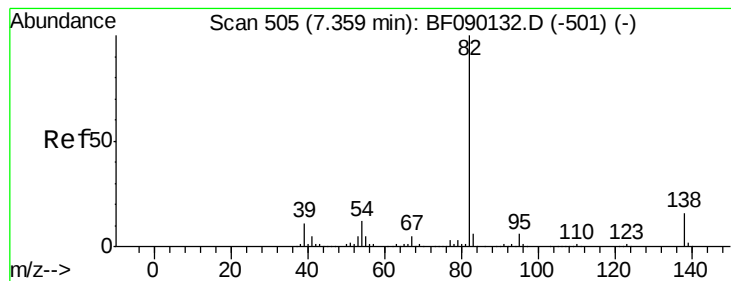
#24
 Nitrobenzene
 Concen: 2.05 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.07 min
 Lab File: BF090203.D
 Acq: 23 Sep 2016 17:49

Tgt Ion	77	Resp	17028
Ion Ratio	Lower	Upper	
77	100		
123	3.2	33.4	50.2#
65	17.8	10.1	15.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 35.46 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.30 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

ClientSampleId :

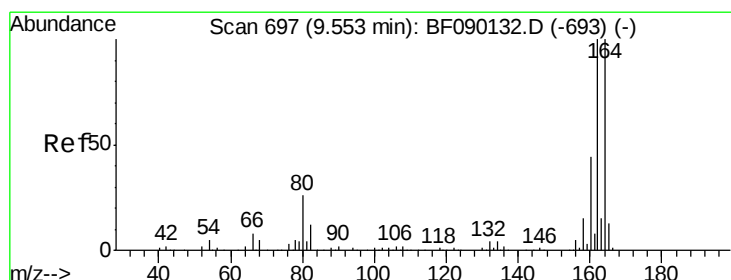
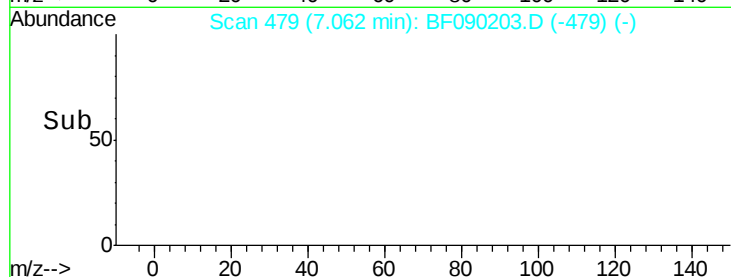
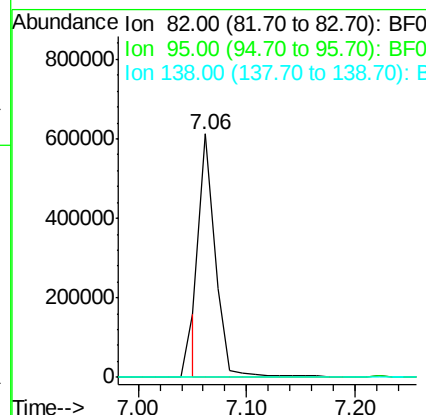
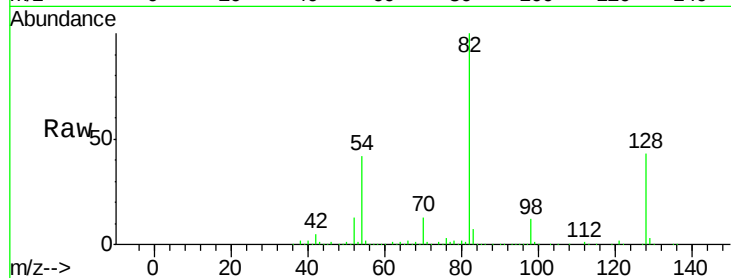
Tot Ion: 82 Resp: 591829

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 13.5 20.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

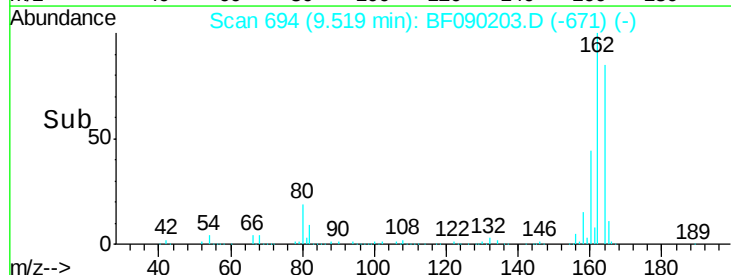
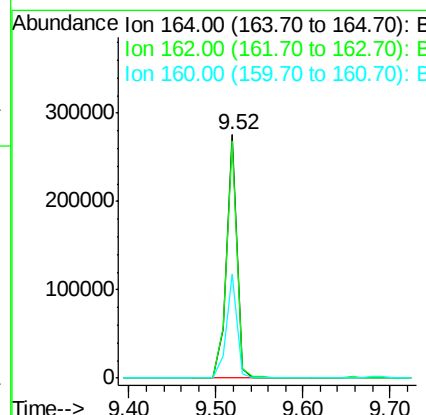
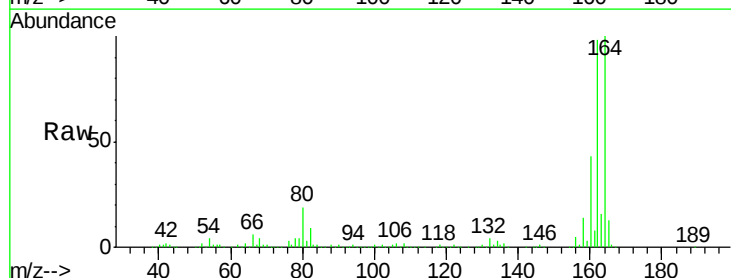
Tgt Ion:164 Resp: 237693

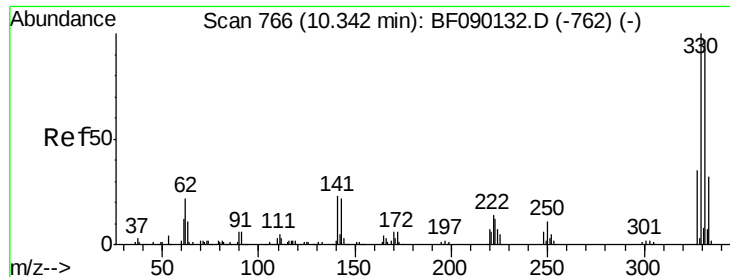
Ion Ratio Lower Upper

164 100

162 97.6 81.4 122.2

160 42.7 36.6 54.8

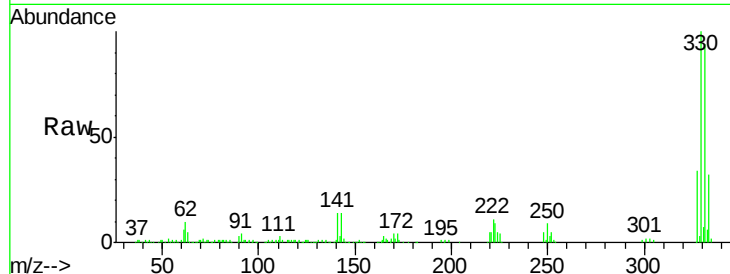




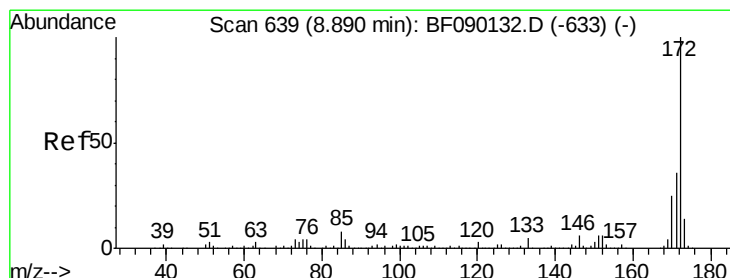
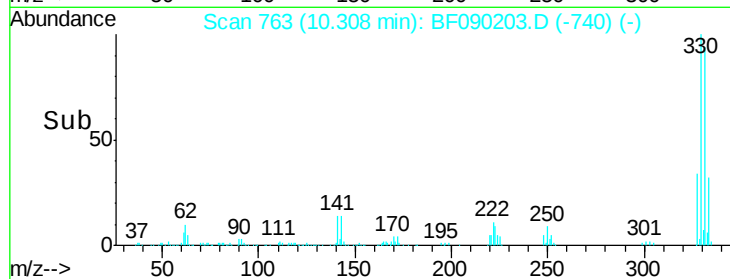
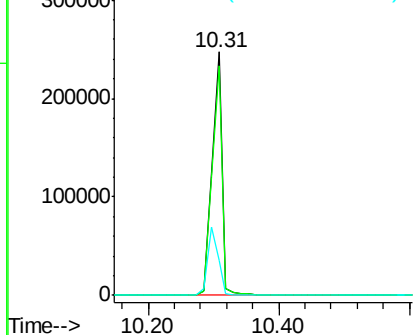
#41
 2,4,6-Tribromophenol
 Concen: 132.22 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.03 min
 Lab File: BF090203.D
 Acq: 23 Sep 2016 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.1	117.1
141	29.8	23.9	35.9

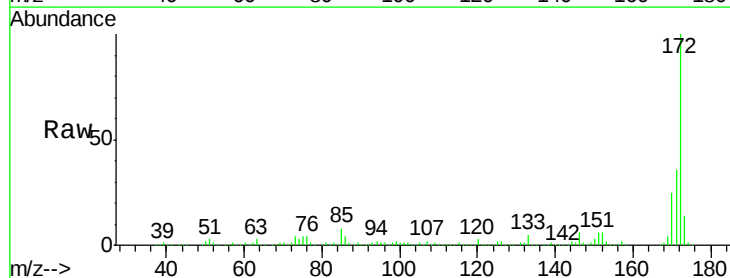


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

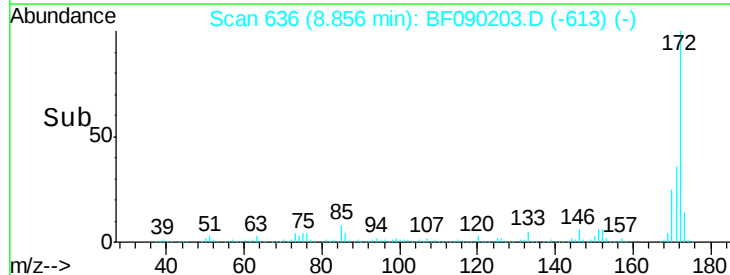
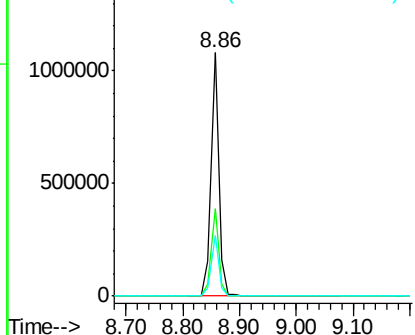


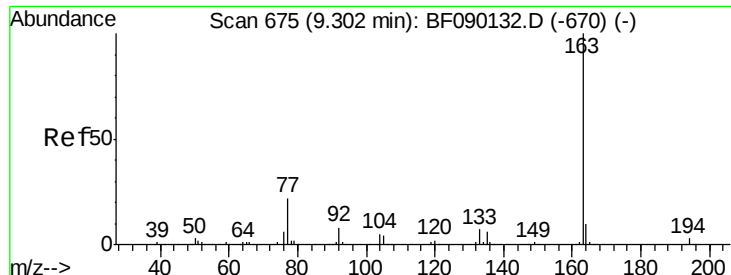
#44
 2-Fluorobiphenyl
 Concen: 81.17 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.03 min
 Lab File: BF090203.D
 Acq: 23 Sep 2016 17:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.2	43.8
170	24.7	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

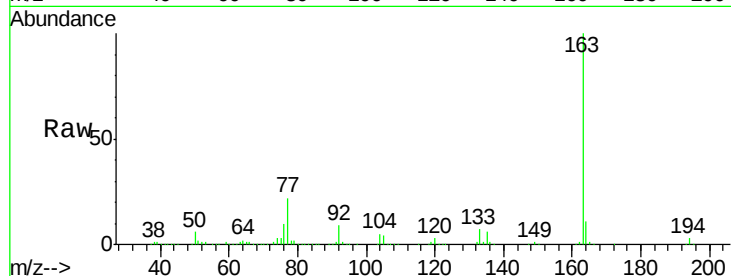




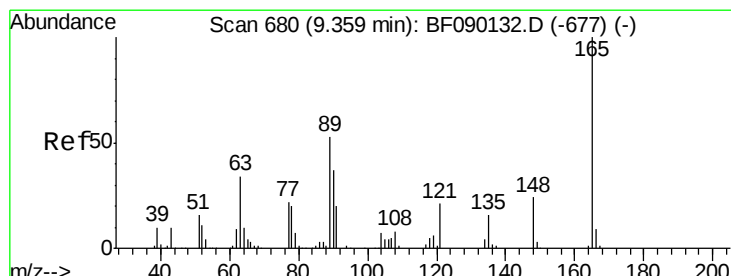
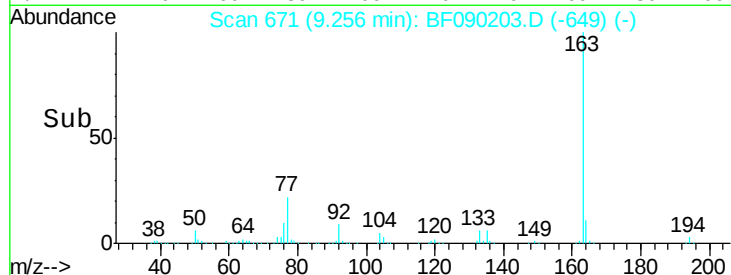
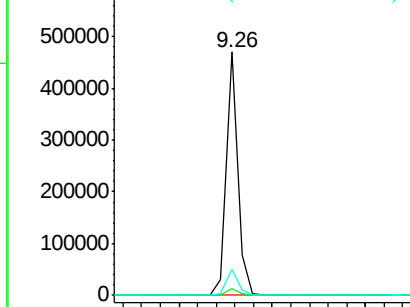
#49
Dimethylphthalate
Concen: 26.78 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.05 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 405452
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.8 8.1 12.1

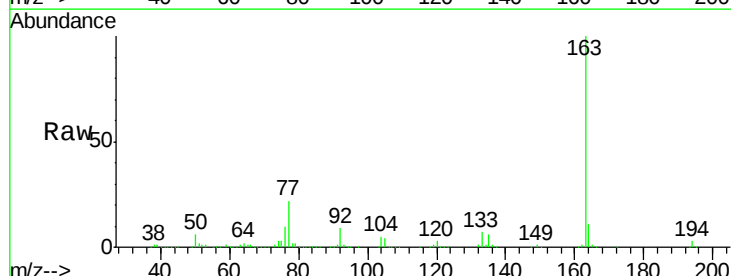


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

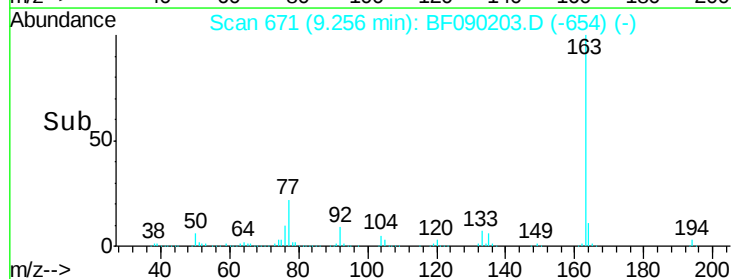
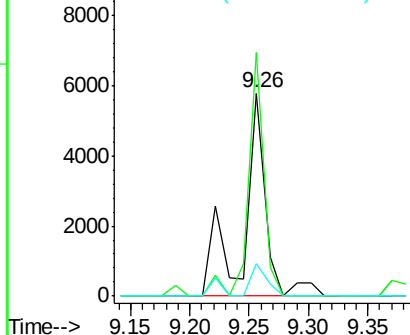


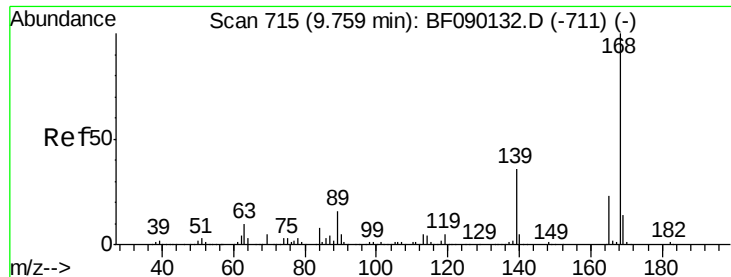
#50
2,6-Dinitrotoluene
Concen: 2.29 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.10 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Tgt Ion:165 Resp: 7726
Ion Ratio Lower Upper
165 100
63 119.8 49.9 74.9#
89 16.3 51.0 76.4#



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

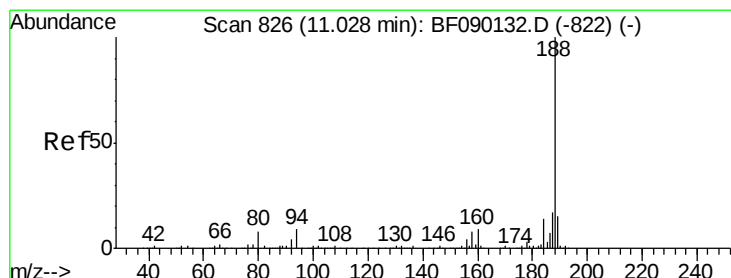
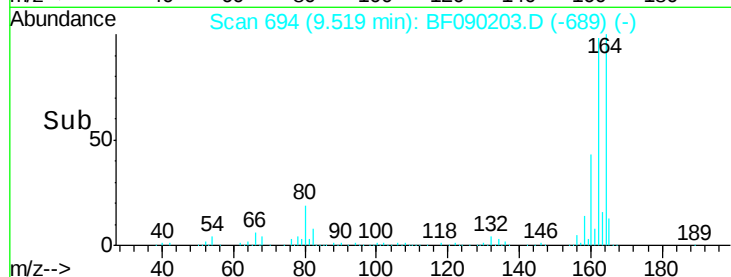
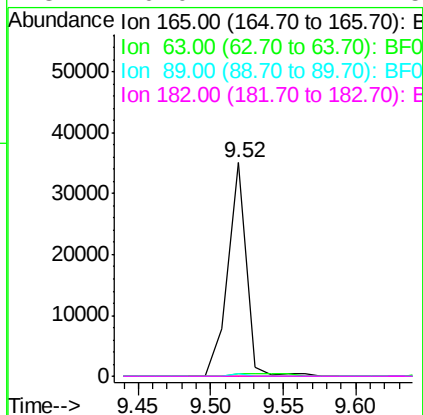
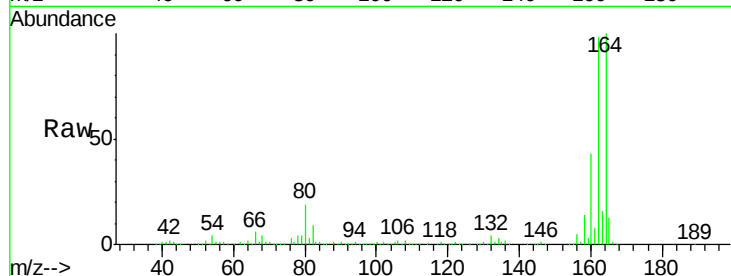




#56
2,4-Dinitrotoluene
Concen: 7.82 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.24 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

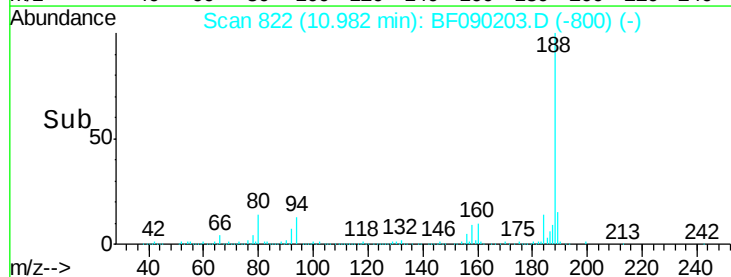
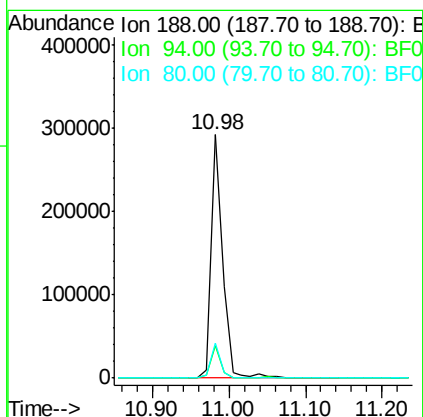
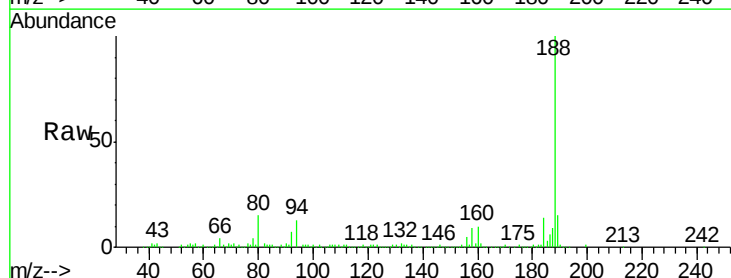
Instrument :
BNA_F
ClientSampled :

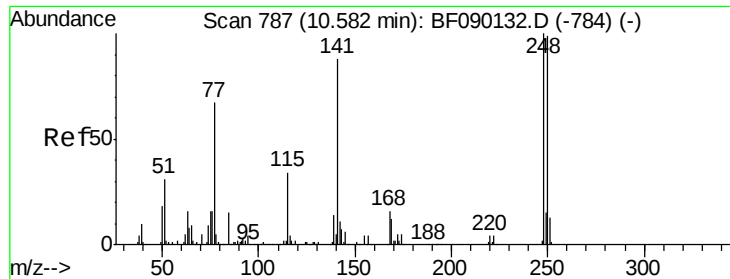
Tot Ion:165 Resp: 31191
Ion Ratio Lower Upper
165 100
63 1.1 44.4 66.6#
89 1.4 70.1 105.1#
182 0.0 1.7 2.5#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.98 min Scan# 822
Delta R.T. -0.05 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Tgt Ion:188 Resp: 300242
Ion Ratio Lower Upper
188 100
94 13.3 10.5 15.7
80 14.6 11.2 16.8

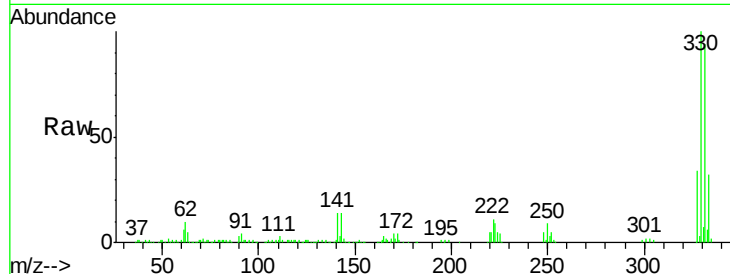




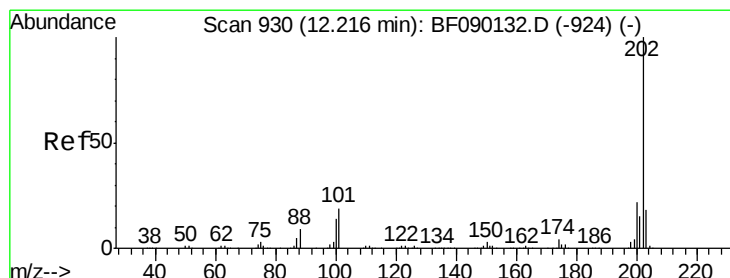
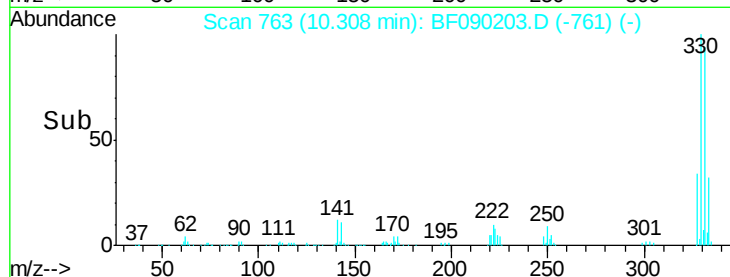
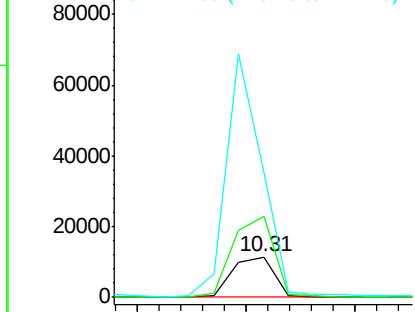
#66
4-Bromophenyl-phenylether
Concen: 5.12 ng
RT: 10.31 min Scan# 763
Delta R.T. -0.27 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15134
Ion Ratio Lower Upper
248 100
250 199.9 79.4 119.2#
141 309.3 49.3 73.9#

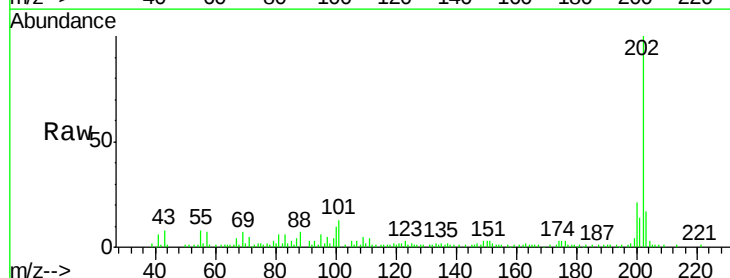


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

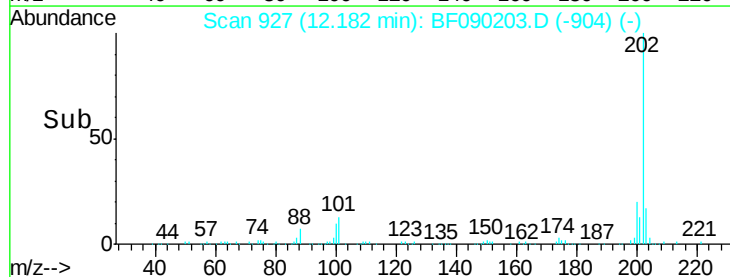
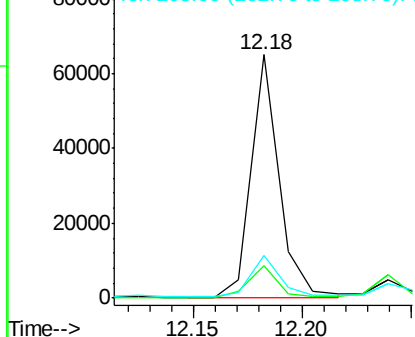


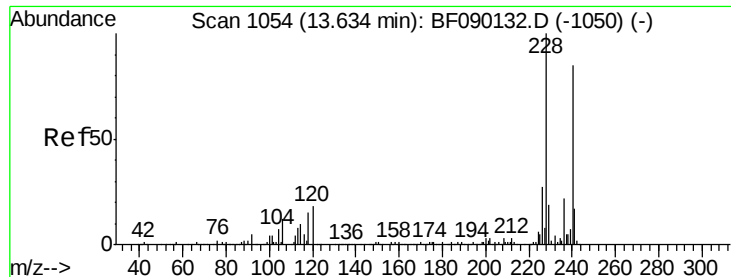
#74
Fluoranthene
Concen: 3.87 ng
RT: 12.18 min Scan# 927
Delta R.T. -0.03 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Tgt Ion:202 Resp: 58332
Ion Ratio Lower Upper
202 100
101 13.2 0.0 36.1
203 17.5 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: BF090203.D

Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

ClientSampleId :

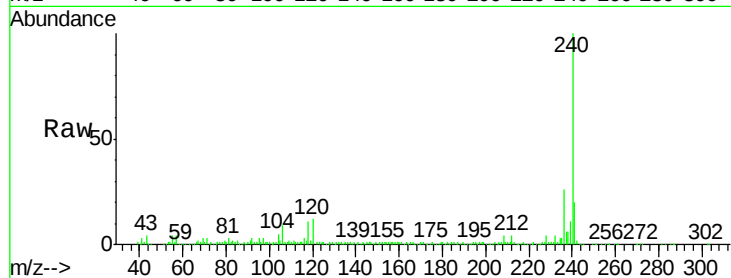
Tot Ion:240 Resp: 238816

Ion Ratio Lower Upper

240 100

120 12.1 10.6 16.0

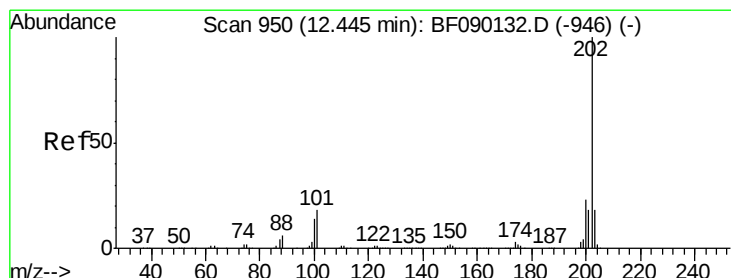
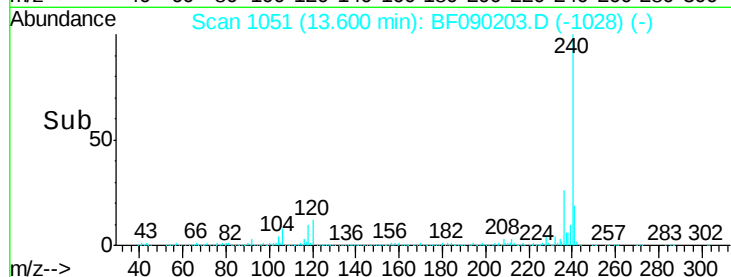
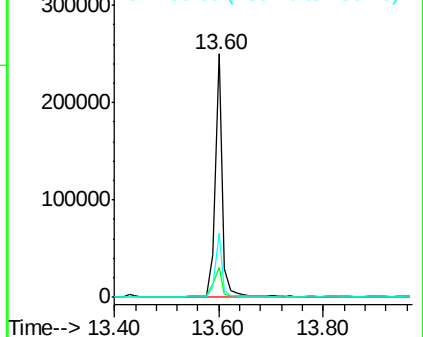
236 26.3 21.6 32.4



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: 3.01 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

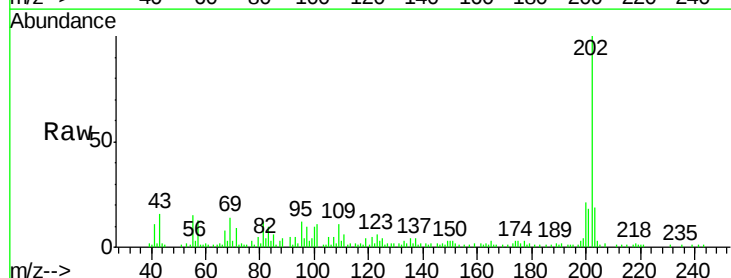
Tgt Ion:202 Resp: 49238

Ion Ratio Lower Upper

202 100

200 20.9 17.9 26.9

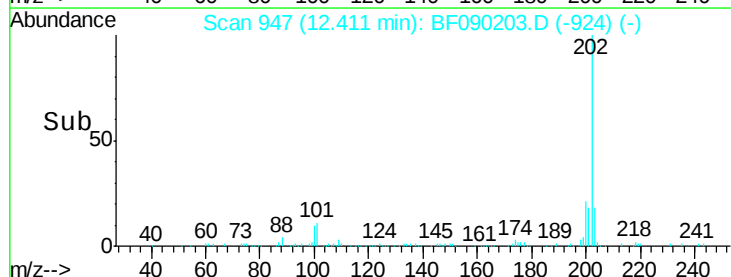
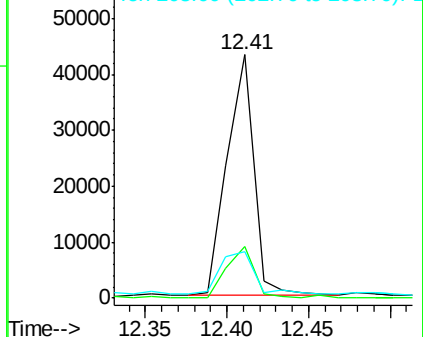
203 19.3 14.2 21.4

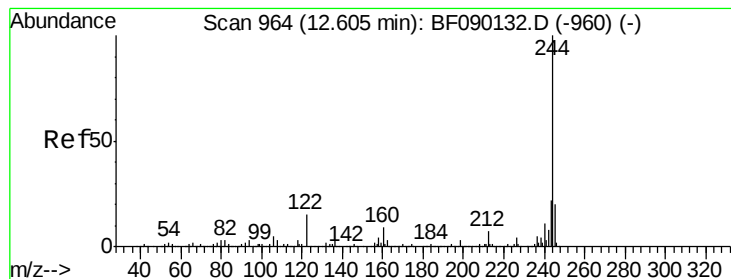


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.17 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

ClientSampleId :

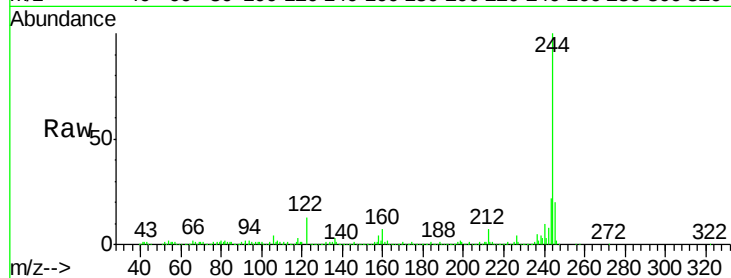
Tot Ion:244 Resp: 594220

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

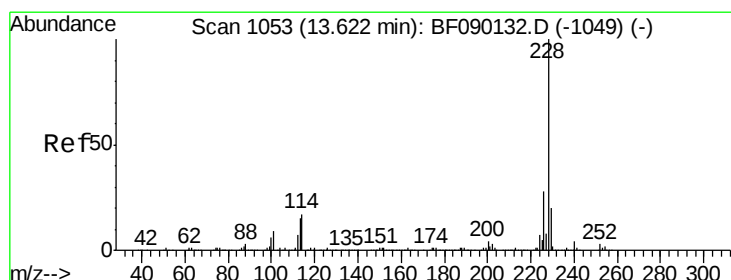
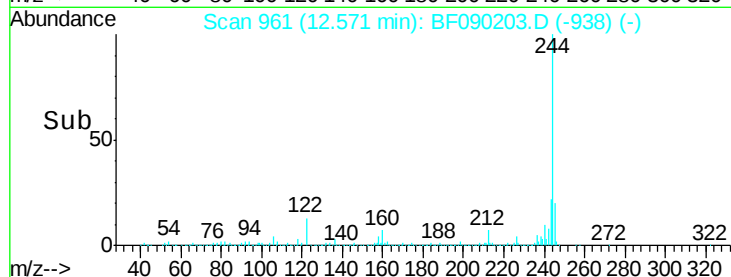
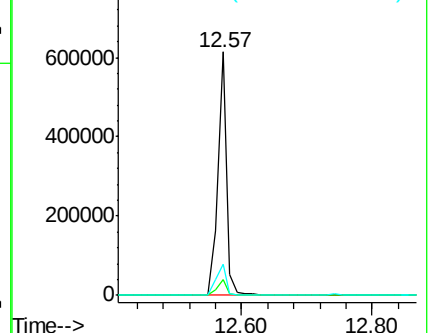
122 13.0 9.4 14.0



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



#80

Benzo(a)anthracene

Concen: 3.43 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.03 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

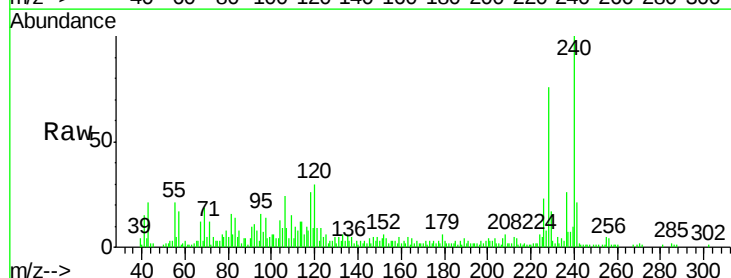
Tgt Ion:228 Resp: 44064

Ion Ratio Lower Upper

228 100

226 30.0 22.0 33.0

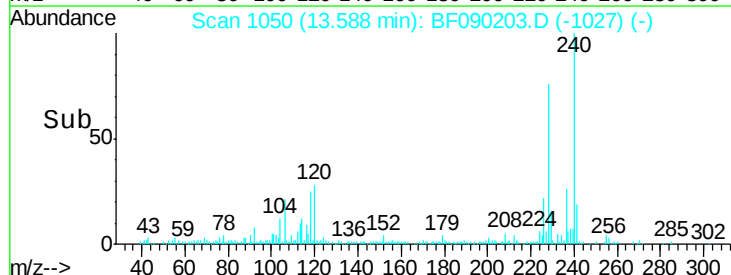
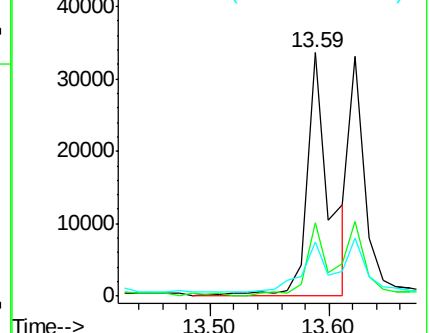
229 22.0 16.2 24.2

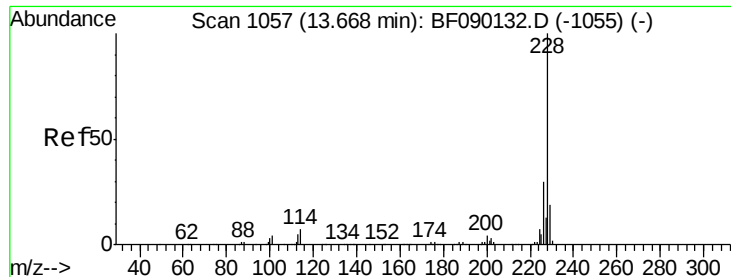


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

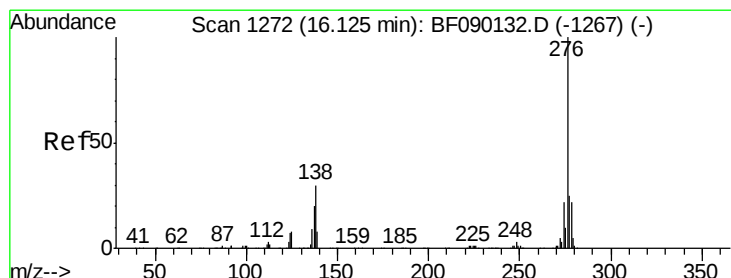
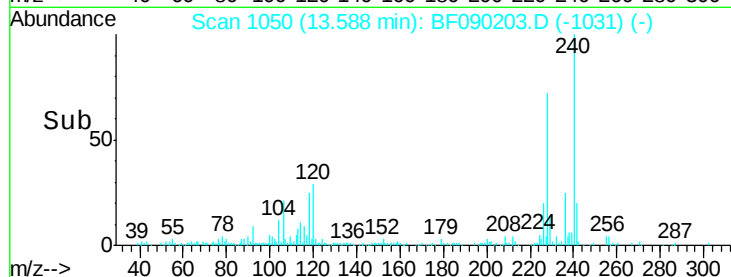
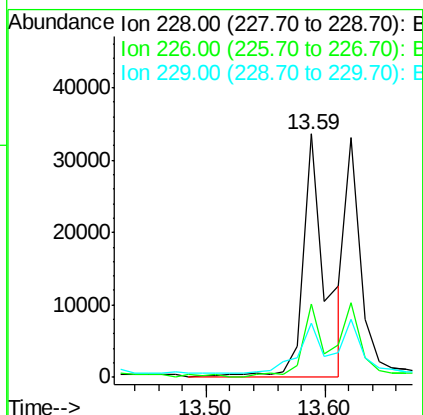
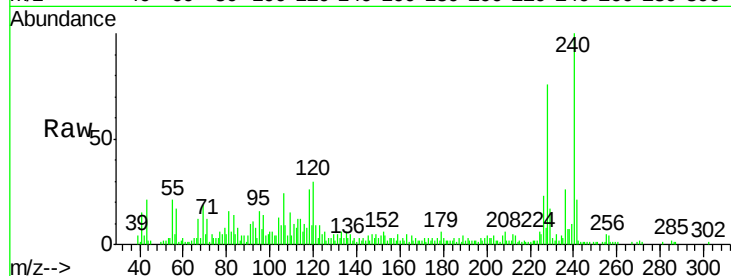




#82
Chrysene
Concen: 3.52 ng
RT: 13.59 min Scan# 1050
Delta R.T. -0.08 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

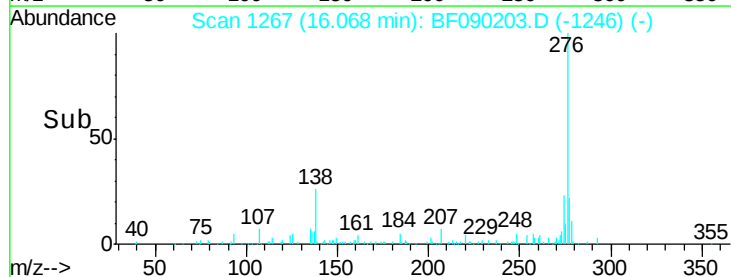
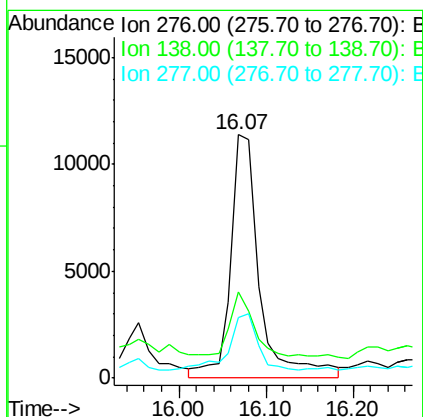
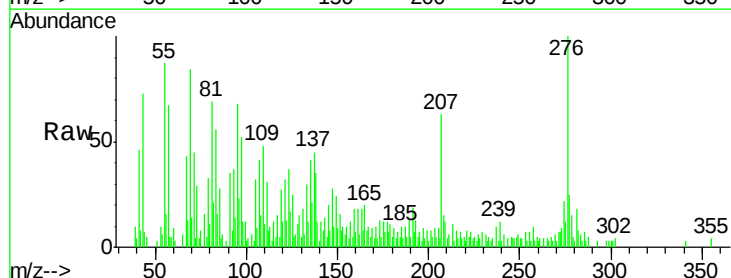
Instrument :
BNA_F
ClientSampleId :

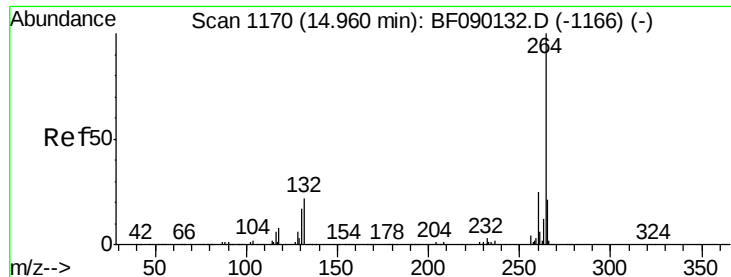
Tot Ion:228 Resp: 44064
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 22.0 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.61 ng
RT: 16.07 min Scan# 1267
Delta R.T. -0.06 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Tgt Ion:276 Resp: 26427
Ion Ratio Lower Upper
276 100
138 24.8 25.9 38.9#
277 23.5 19.9 29.9

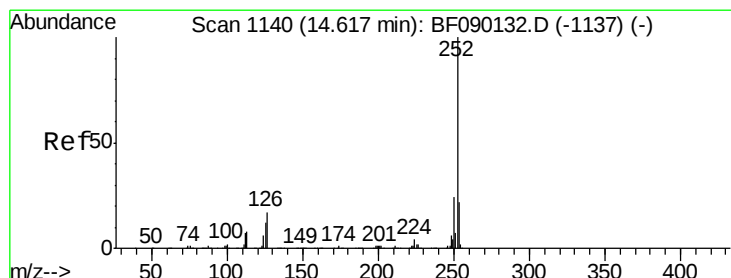
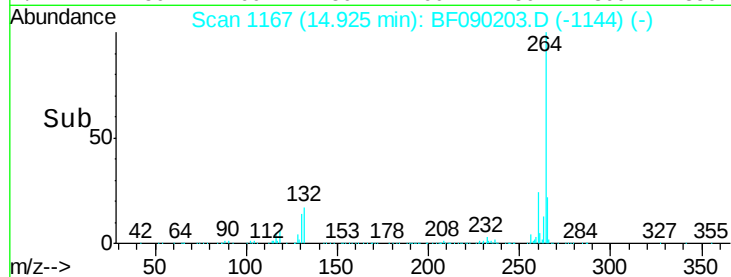
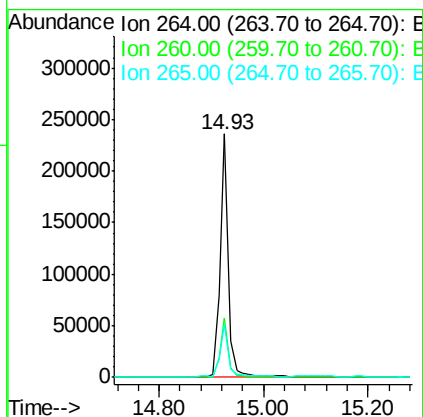
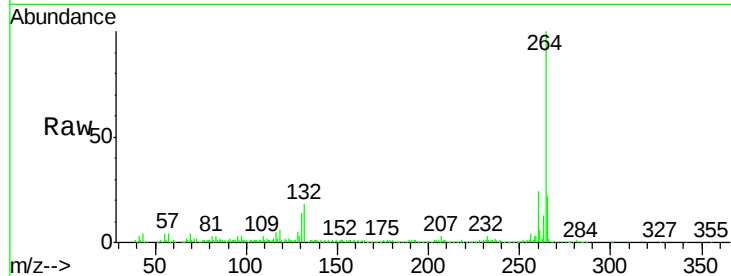




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

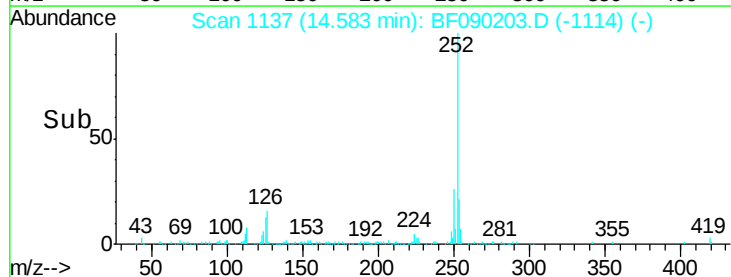
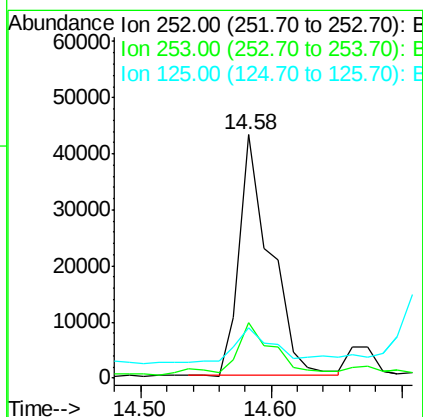
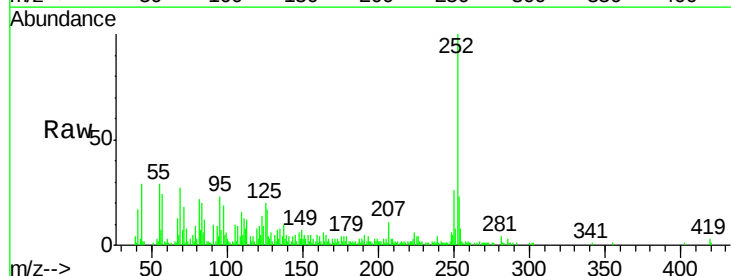
Instrument :
BNA_F
ClientSampleId :

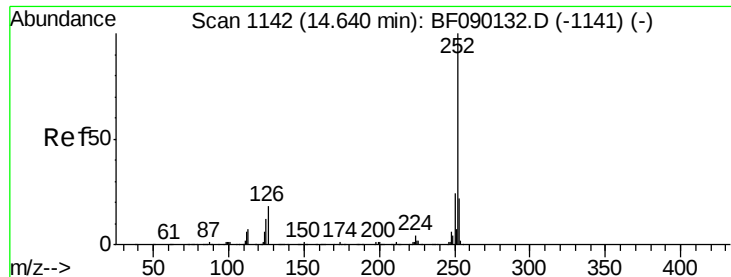
Tot Ion:264 Resp: 264012
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 21.9 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 4.87 ng
RT: 14.58 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Tgt Ion:252 Resp: 71233
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 20.4 12.7 19.1#

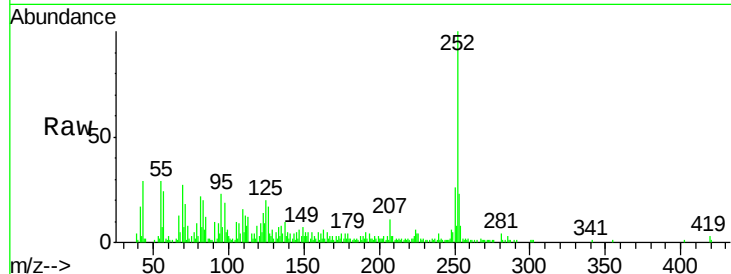




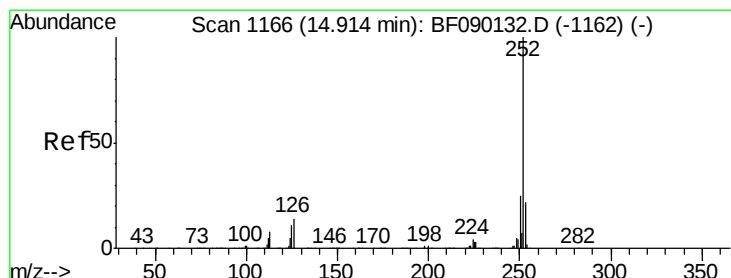
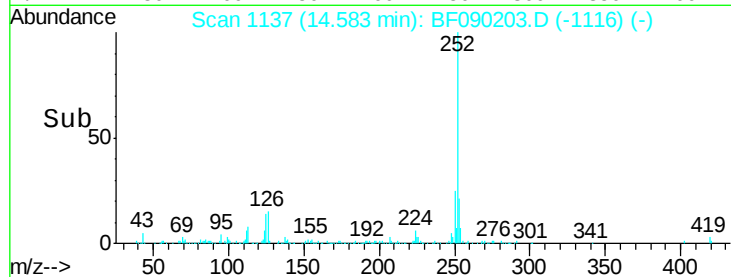
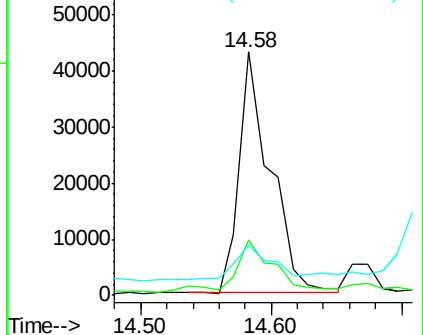
#88
Benzo(k)fluoranthene
Concen: 5.19 ng
RT: 14.58 min Scan# 1137
Delta R.T. -0.06 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	20.4	7.8	11.6

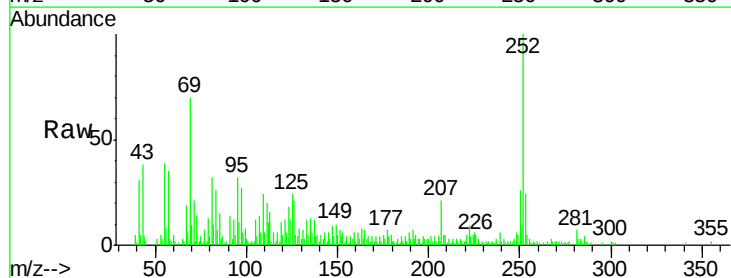


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

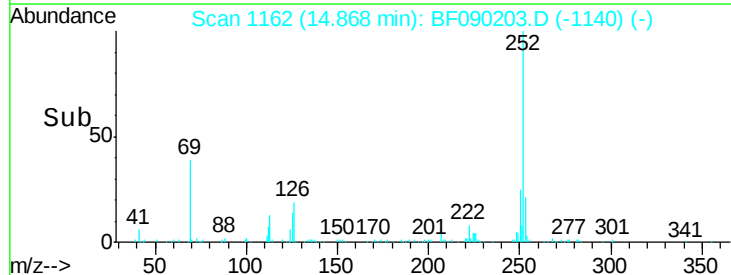
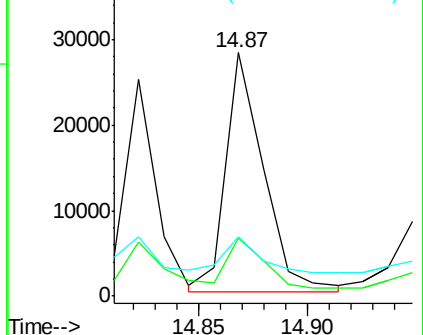


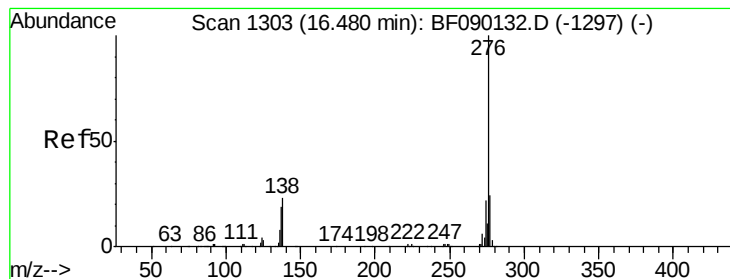
#89
Benzo(a)pyrene
Concen: 2.46 ng
RT: 14.87 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF090203.D
Acq: 23 Sep 2016 17:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	24.2	7.7	11.5



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





#91

Benzo(a,h,i)perylene

Concen: 2.23 ng

RT: 16.42 min Scan# 1298

Delta R.T. -0.06 min

Lab File: BF090203.D

Acq: 23 Sep 2016 17:49

Instrument :

BNA_F

ClientSampleId :

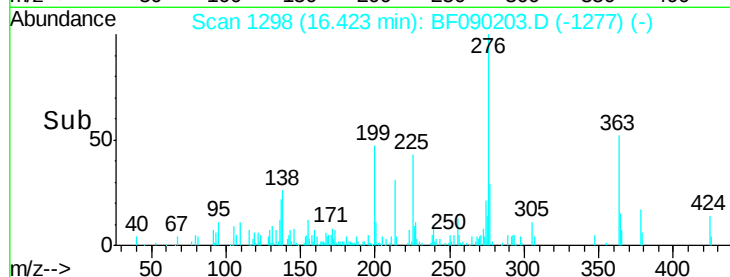
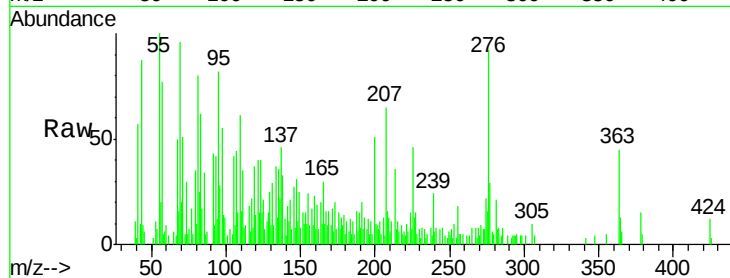
Tot Ion:276 Resp: 23448

Ion Ratio Lower Upper

276 100

277 31.2 18.9 28.3#

138 35.5 23.3 34.9#



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

