

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
 Data File : BF090204.D
 Acq On : 23 Sep 2016 18:16
 Operator : UM/SJ
 Sample : H4867-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 23 18:43:42 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

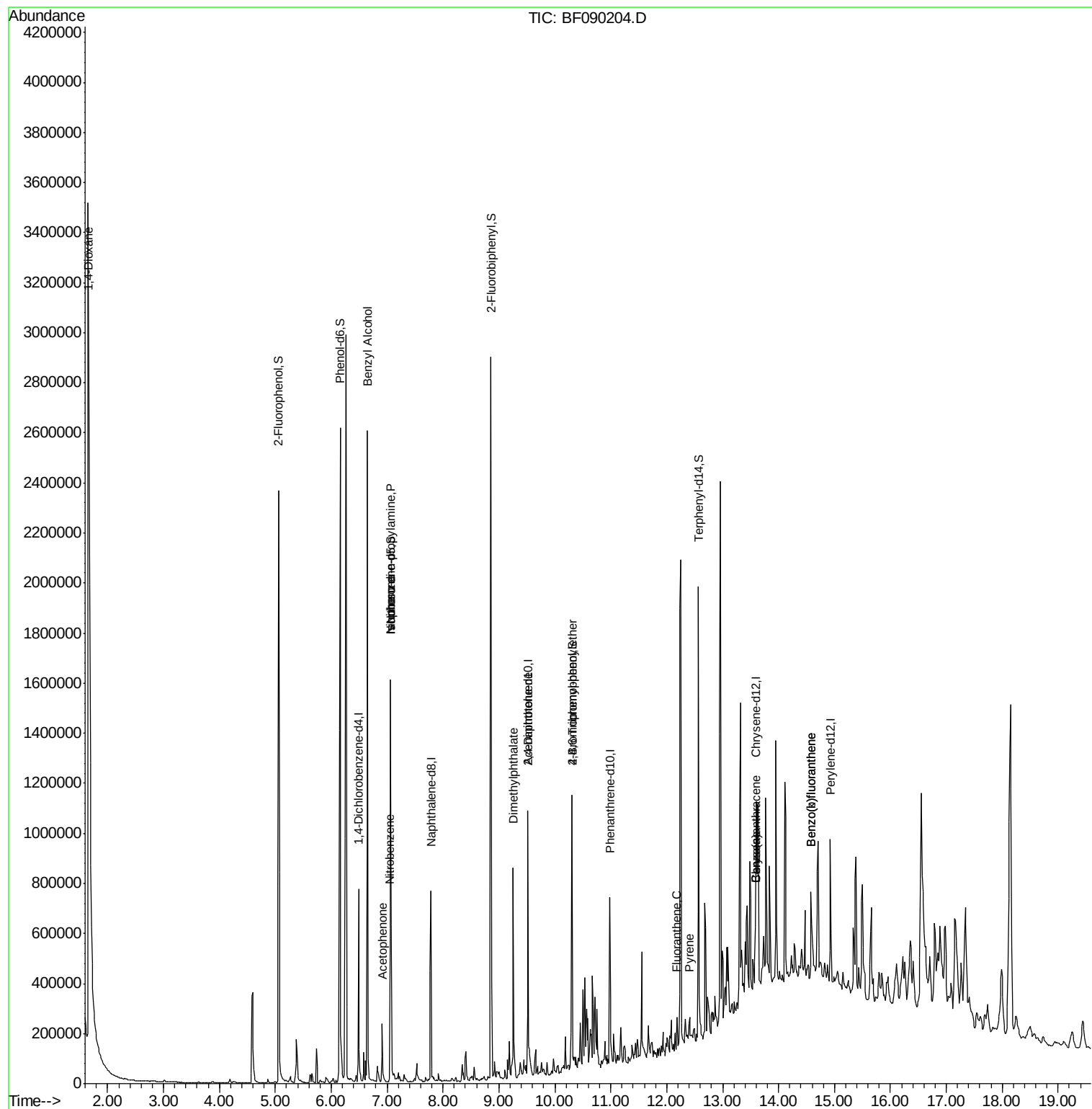
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	121776	20.00	ng	-0.03
21) Naphthalene-d8	7.78	136	452478	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	222498	20.00	ng	-0.03
63) Phenanthrene-d10	10.98	188	261545	20.00	ng	-0.05
75) Chrysene-d12	13.60	240	237200	20.00	ng	-0.03
86) Perylene-d12	14.93	264	268241	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	960270	128.53	ng	-0.01
7) Phenol-d6	6.16	99	1255844	136.11	ng	-0.01
23) Nitrobenzene-d5	7.06	82	693767	88.88	ng	-0.03
41) 2,4,6-Tribromophenol	10.31	330	231331	121.19	ng	-0.03
44) 2-Fluorobiphenyl	8.86	172	930046	82.06	ng	-0.03
78) Terphenyl-d14	12.57	244	598042	64.01	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	1.66	88	275542	67.98	ng	# 26
15) Benzyl Alcohol	6.65	79	19086	3.47	ng	# 46
19) n-Nitroso-di-n-propylamine	7.06	70	85511	15.78	ng	# 79
22) Acetophenone	6.91	105	96006	8.80	ng	# 96
24) Nitrobenzene	7.05	77	16426	2.02	ng	# 48
25) Isophorone	7.06	82	578075	35.45	ng	# 66
49) Dimethylphthalate	9.26	163	335046	23.64	ng	# 99
56) 2,4-Dinitrotoluene	9.52	165	29432	7.88	ng	# 15
66) 4-Bromophenyl-phenylether	10.31	248	13051	5.07	ng	# 1
74) Fluoranthene	12.18	202	51184	3.90	ng	# 98
77) Pyrene	12.41	202	47187	2.91	ng	# 97
80) Benzo(a)anthracene	13.59	228	26898	2.11	ng	# 85
82) Chrysene	13.59	228	27038	2.18	ng	# 89
87) Benzo(b)fluoranthene	14.58	252	52903	3.56	ng	# 85
88) Benzo(k)fluoranthene	14.58	252	52903	3.80	ng	# 80

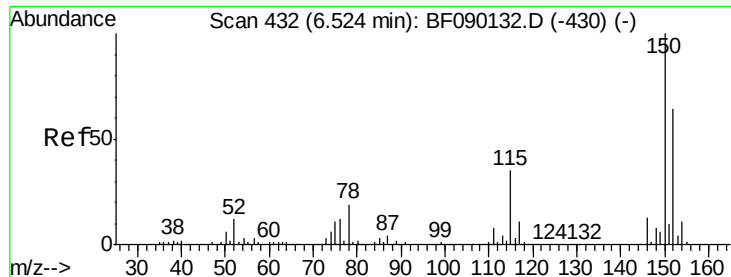
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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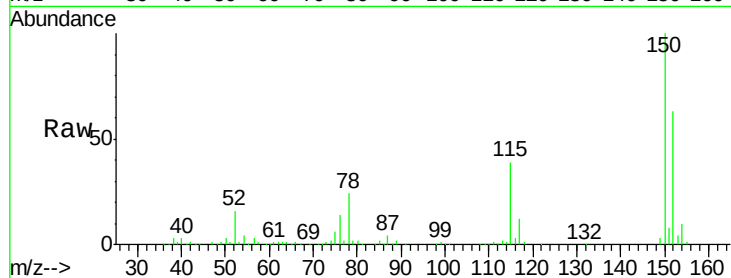


#1

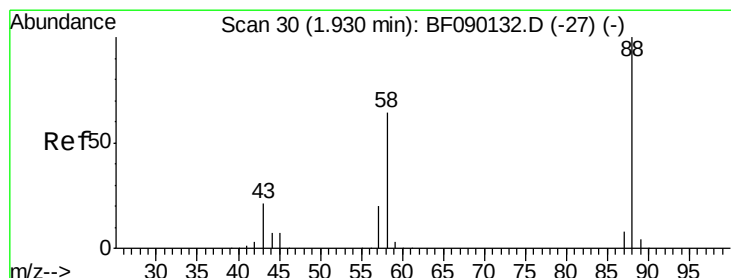
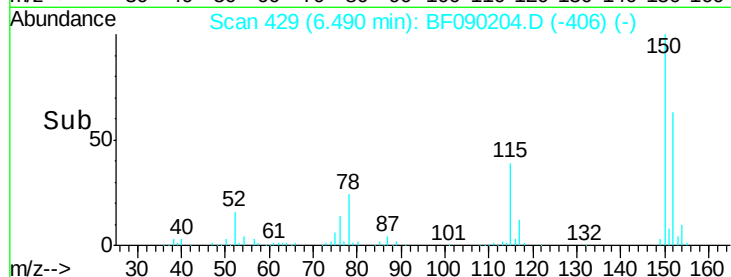
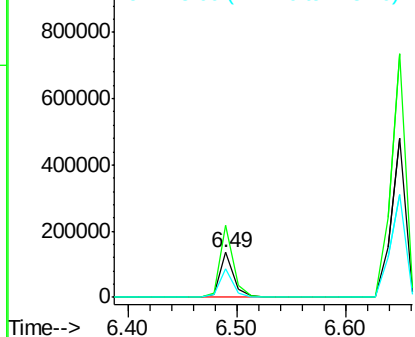
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 429
Delta R.T. -0.03 min
Lab File: BF090204.D
Acq: 23 Sep 2016 18:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 121776
Ion Ratio Lower Upper
152 100
150 159.0 128.9 193.3
115 62.1 55.5 83.3



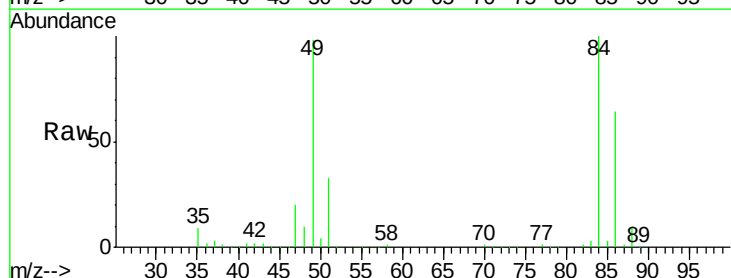
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



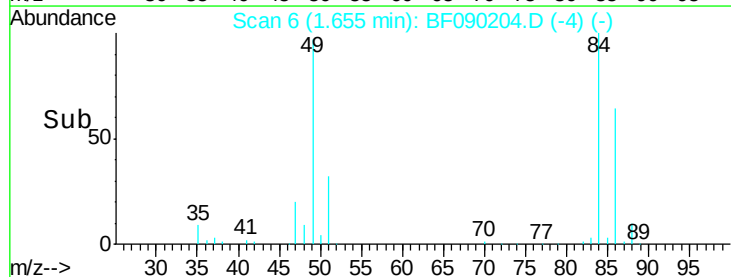
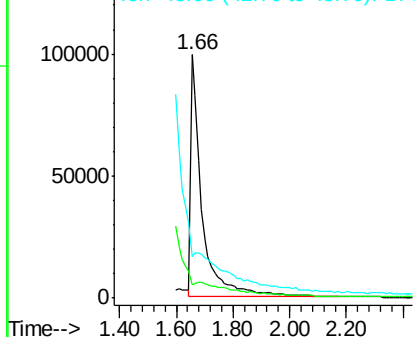
#2

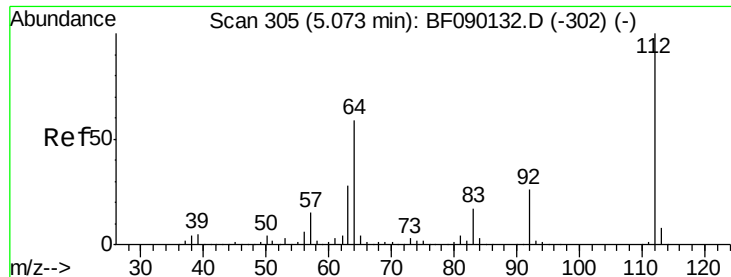
1,4-Dioxane
Concen: 67.98 ng
RT: 1.66 min Scan# 6
Delta R.T. -0.27 min
Lab File: BF090204.D
Acq: 23 Sep 2016 18:16

Tgt Ion: 88 Resp: 275542
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: 128.53 ng

RT: 5.06 min Scan# 304

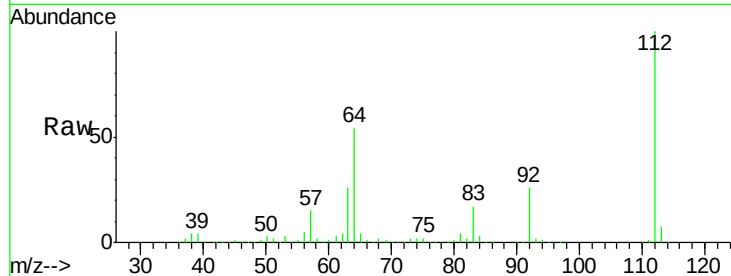
Delta R.T. -0.01 min

Lab File: BF090204.D

Acq: 23 Sep 2016 18:16

Instrument :
BNA_F
ClientSampleId :

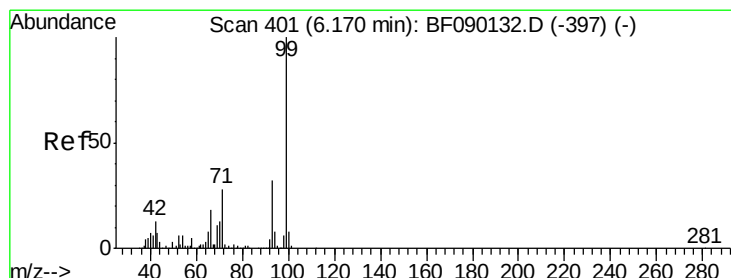
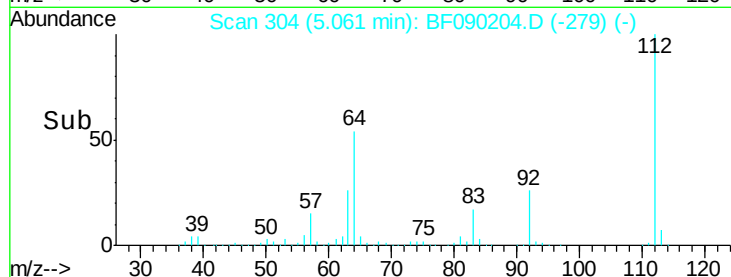
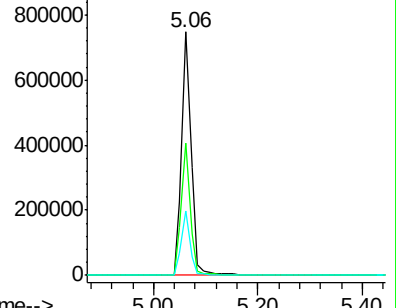
Tot Ion:	112	Resp:	960270
Ion	Ratio	Lower	Upper
112	100		
64	54.3	39.8	59.6
63	26.5	18.9	28.3



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: 136.11 ng

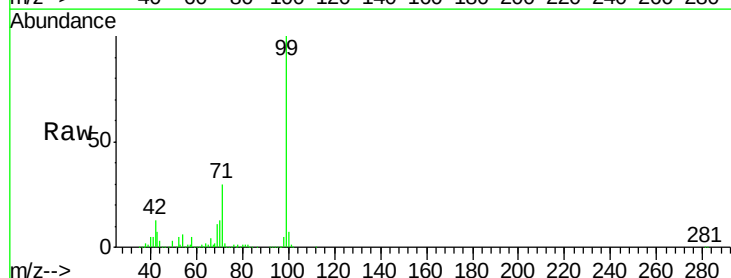
RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090204.D

Acq: 23 Sep 2016 18:16

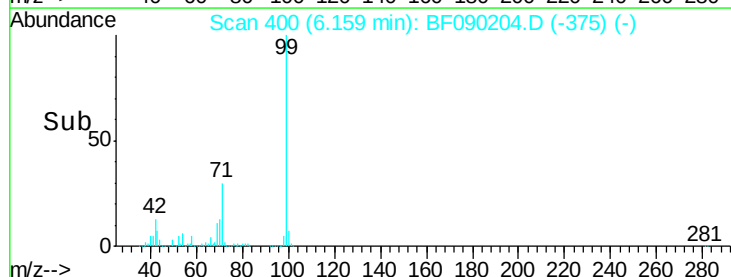
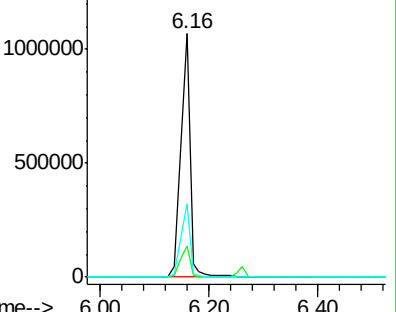
Tgt Ion:	99	Resp:	1255844
Ion	Ratio	Lower	Upper
99	100		
42	13.0	10.6	15.8
71	30.2	23.0	34.6

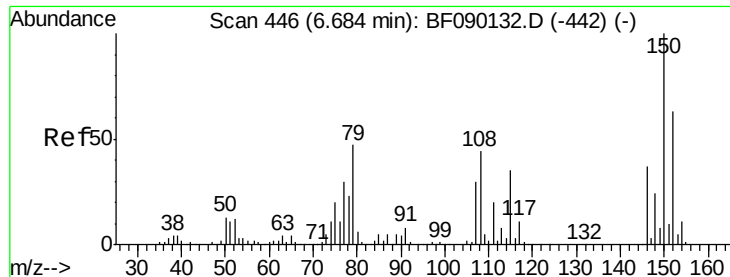


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

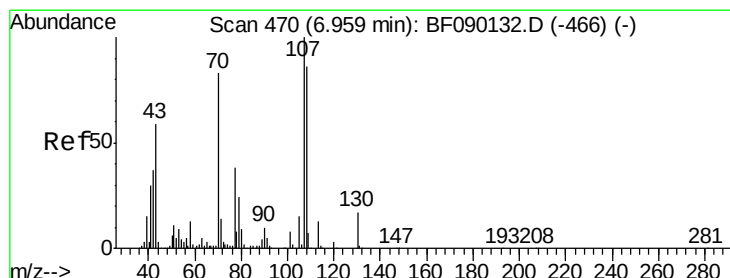
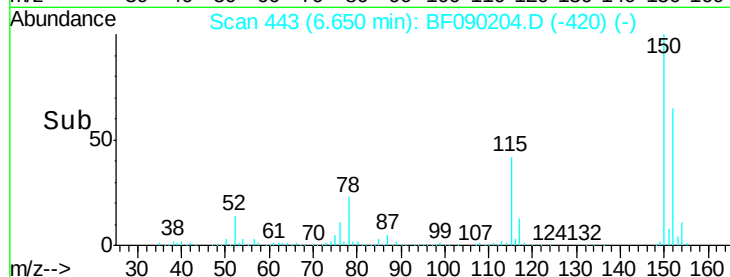
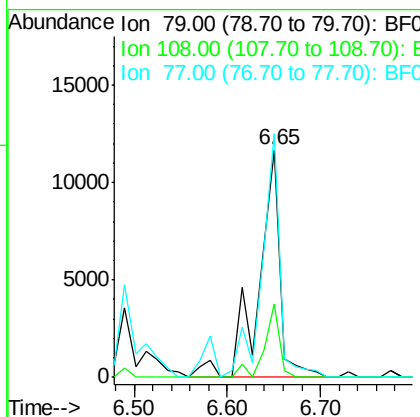
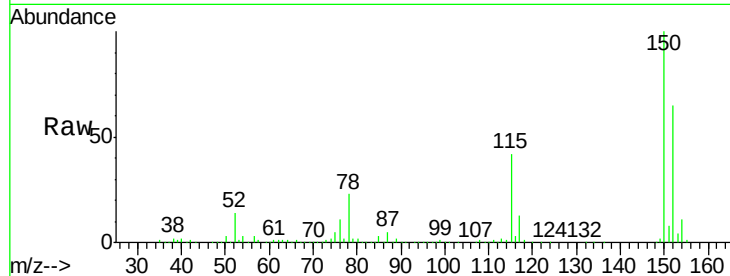




#15
Benzyl Alcohol
Concen: 3.47 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.03 min
Lab File: BF090204.D
Acq: 23 Sep 2016 18:16

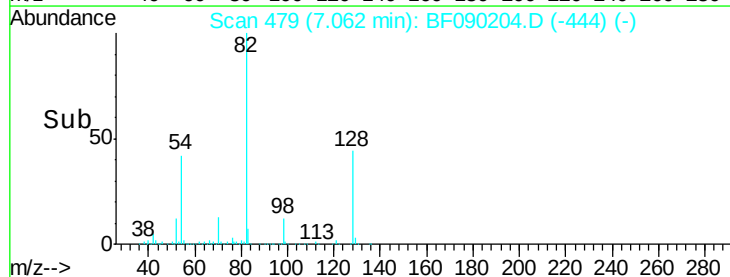
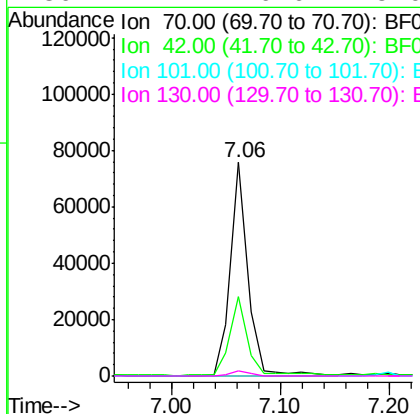
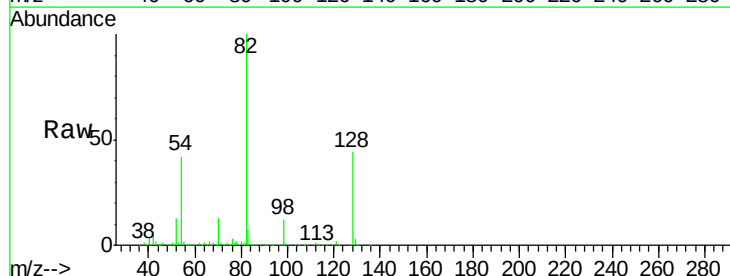
Instrument :
BNA_F
ClientSampled :

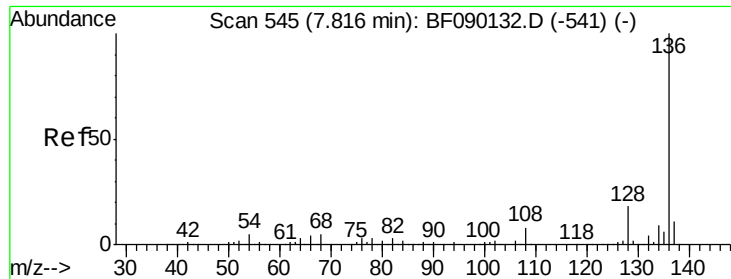
Tot Ion: 79 Resp: 19086
Ion Ratio Lower Upper
79 100
108 32.2 62.2 93.4#
77 107.2 51.4 77.0#



#19
n-Nitroso-di-n-propylamine
Concen: 15.78 ng
RT: 7.06 min Scan# 479
Delta R.T. 0.10 min
Lab File: BF090204.D
Acq: 23 Sep 2016 18:16

Tgt Ion: 70 Resp: 85511
Ion Ratio Lower Upper
70 100
42 36.9 35.1 52.7
101 0.0 7.5 11.3#
130 2.4 16.6 25.0#

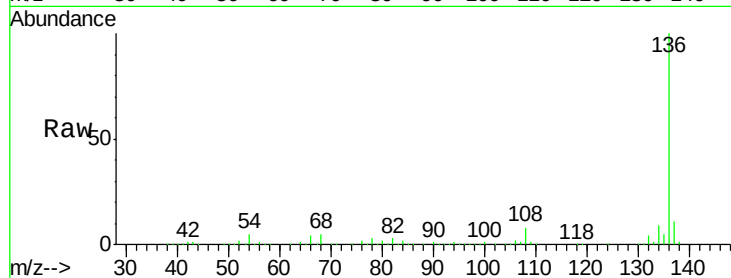




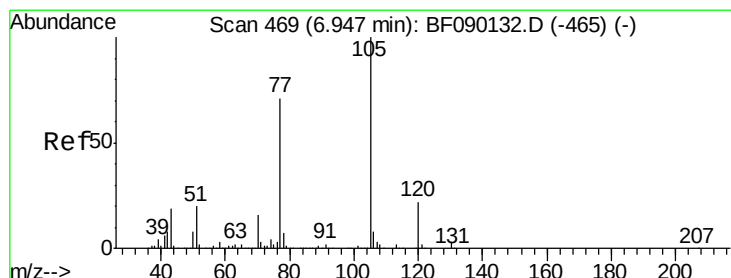
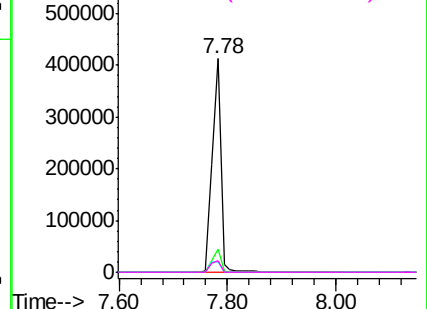
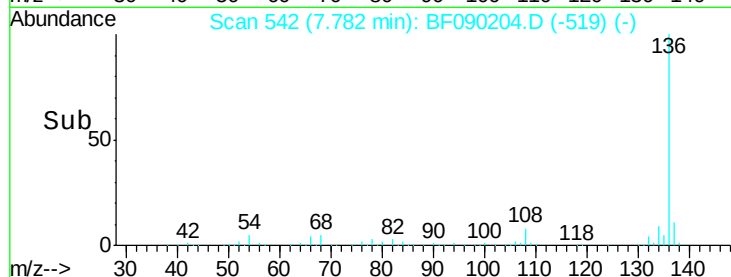
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.03 min
Lab File: BF090204.D
Acq: 23 Sep 2016 18:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	452478
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.0 13.4
54	4.9	6.4 9.6#
68	5.2	6.3 9.5#

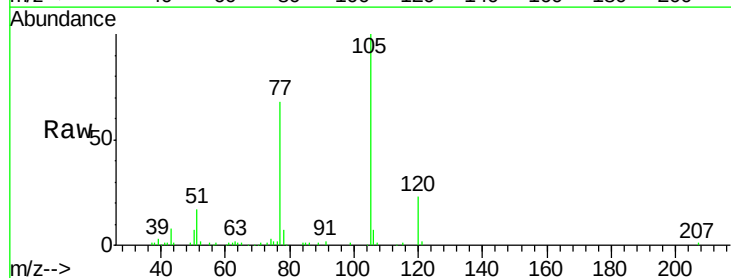


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

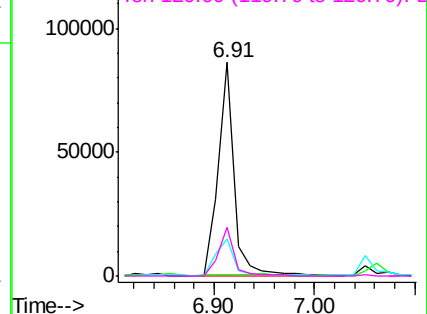
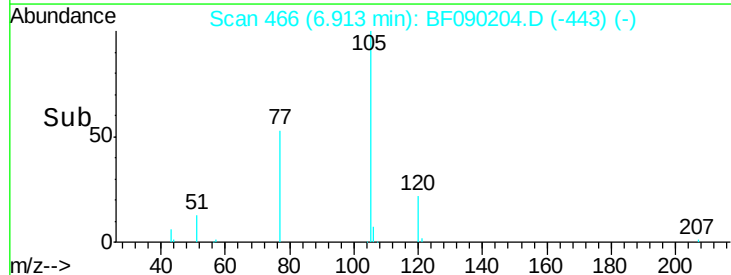


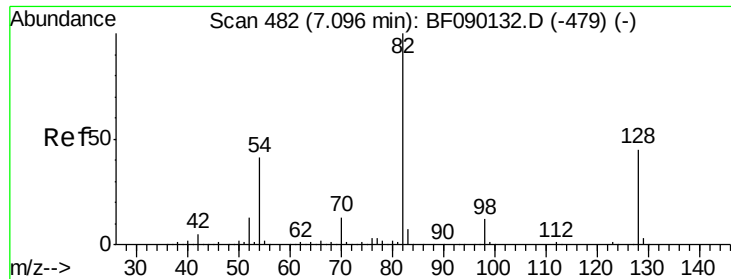
#22
Acetophenone
Concen: 8.80 ng
RT: 6.91 min Scan# 466
Delta R.T. -0.03 min
Lab File: BF090204.D
Acq: 23 Sep 2016 18:16

Tgt Ion:105	Resp:	96006
Ion Ratio	Lower	Upper
105	100	
71	0.7	4.1 6.1#
51	17.4	16.2 24.2
120	22.7	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

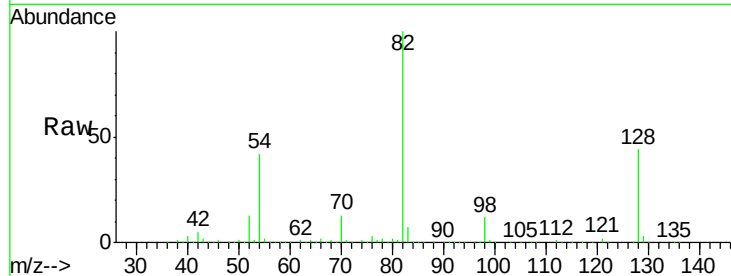




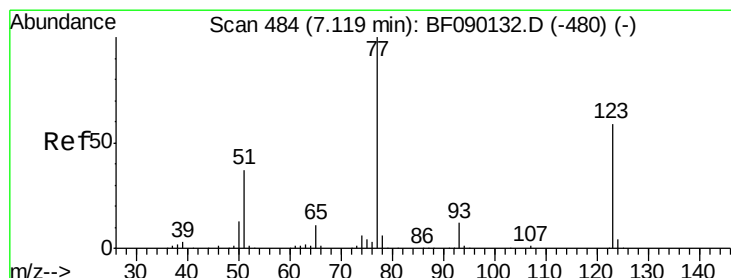
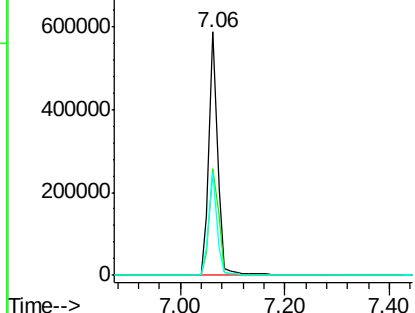
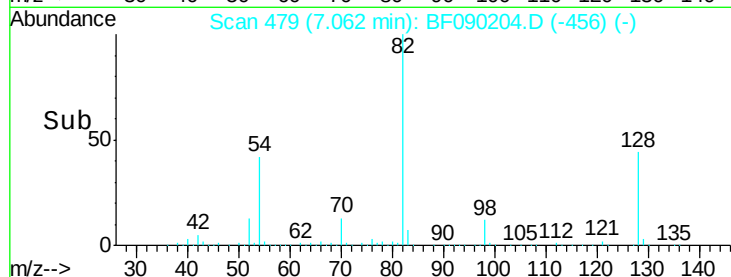
#23
 Nitrobenzene-d5
 Concen: 88.88 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.03 min
 Lab File: BF090204.D
 Acq: 23 Sep 2016 18:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	693767
Ion Ratio	Lower	Upper	
82	100		
128	43.6	37.5	56.3
54	42.3	31.9	47.9

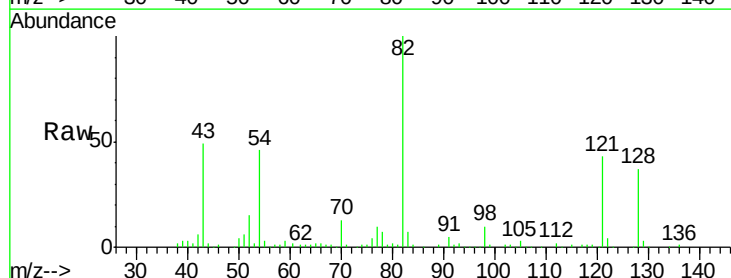


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

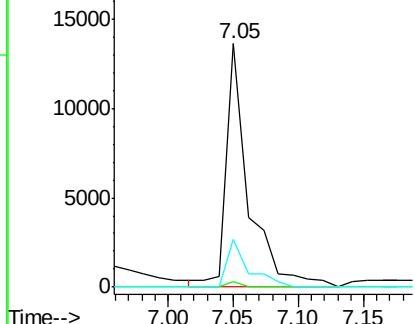
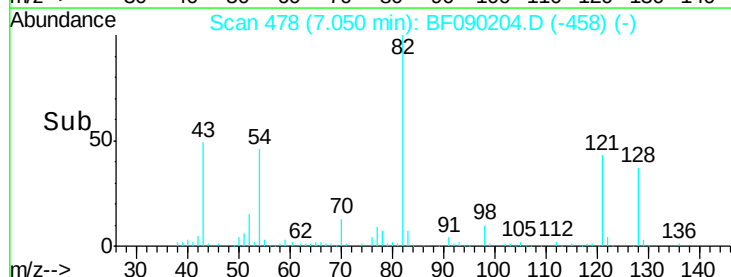


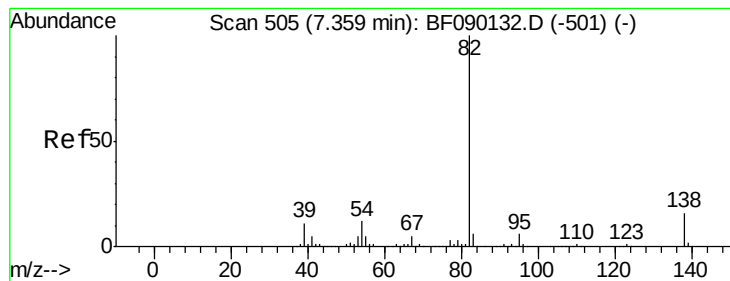
#24
 Nitrobenzene
 Concen: 2.02 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.07 min
 Lab File: BF090204.D
 Acq: 23 Sep 2016 18:16

Tgt Ion	77	Resp	16426
Ion Ratio	Lower	Upper	
77	100		
123	2.3	33.4	50.2#
65	19.5	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: 35.45 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.30 min

Lab File: BF090204.D

Acq: 23 Sep 2016 18:16

Instrument :

BNA_F

ClientSampleId :

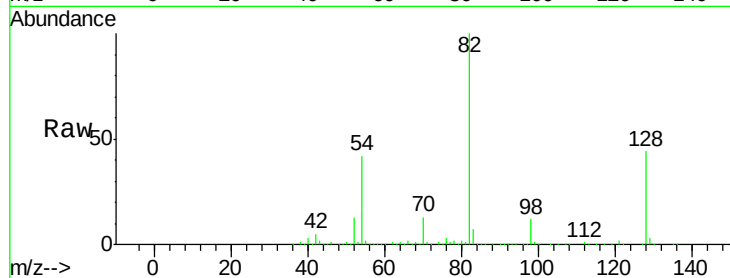
Tot Ion: 82 Resp: 578075

Ion Ratio Lower Upper

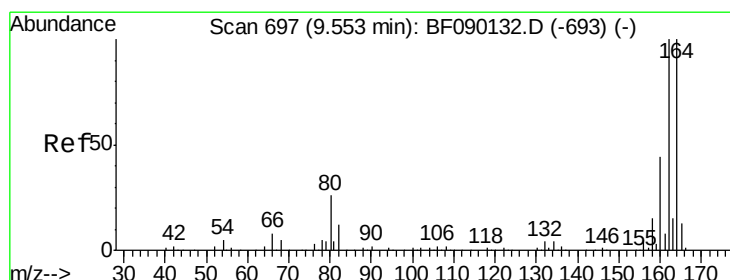
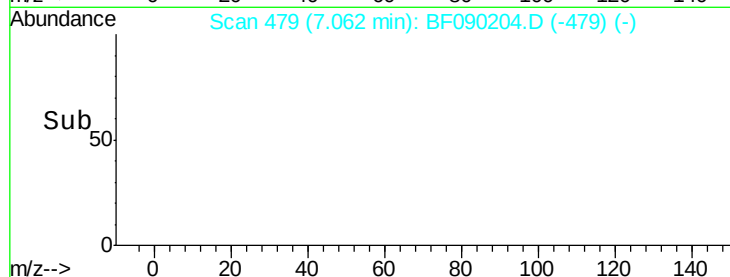
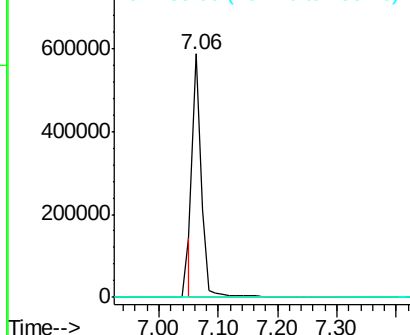
82 100

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: BF090204.D

Acq: 23 Sep 2016 18:16

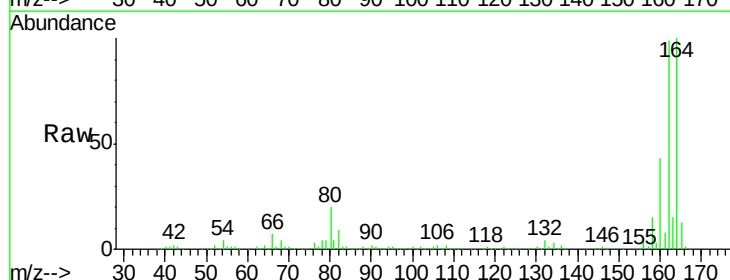
Tgt Ion: 164 Resp: 222498

Ion Ratio Lower Upper

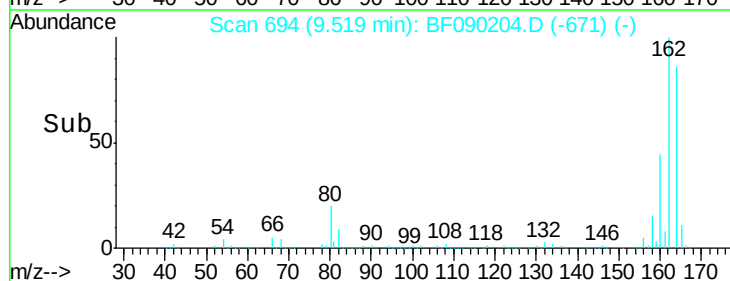
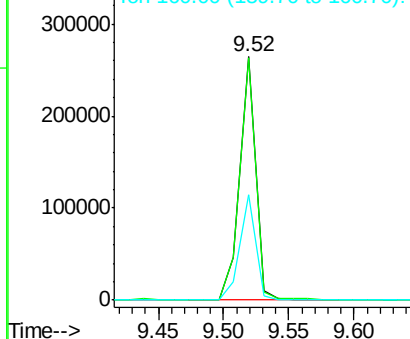
164 100

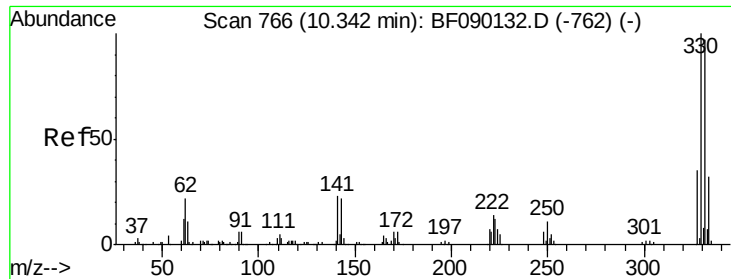
162 99.4 81.4 122.2

160 43.3 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

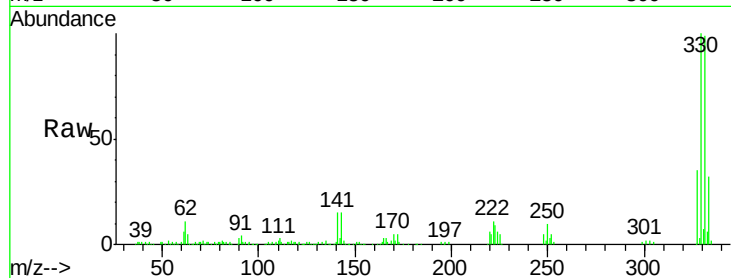




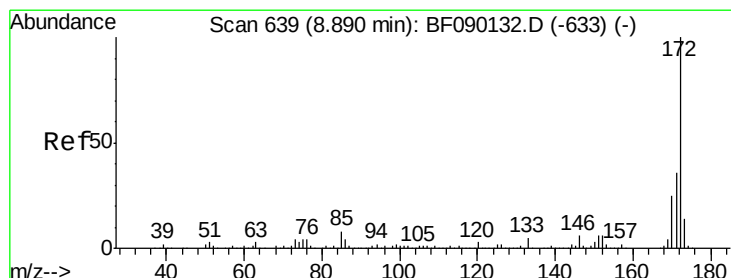
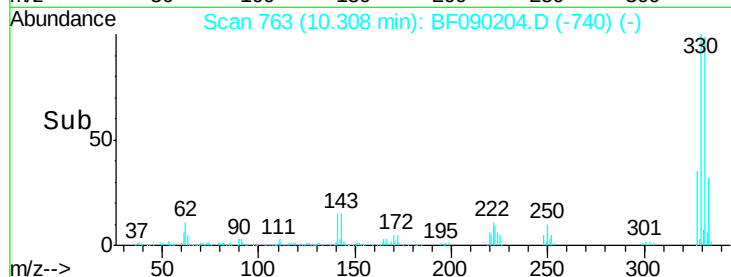
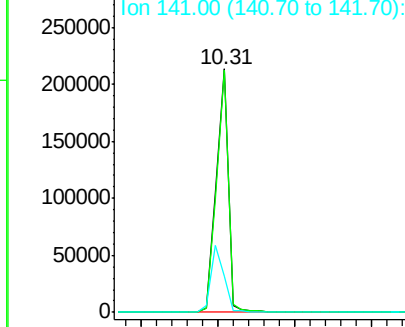
#41
 2,4,6-Tribromophenol
 Concen: 121.19 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.03 min
 Lab File: BF090204.D
 Acq: 23 Sep 2016 18:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	78.1	117.1
141	29.8	23.9	35.9

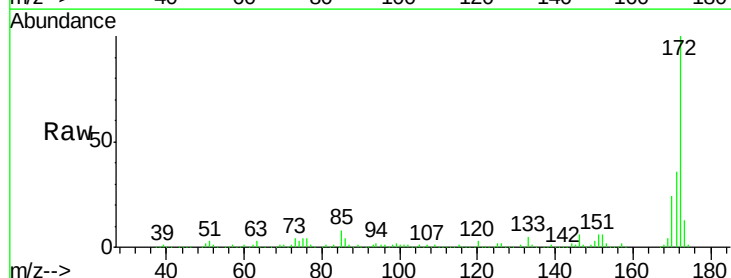


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

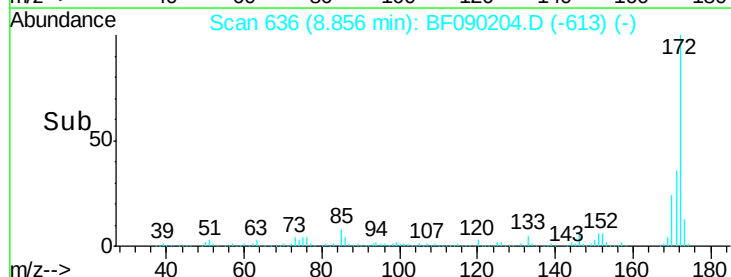
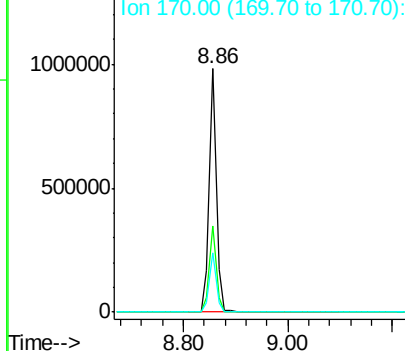


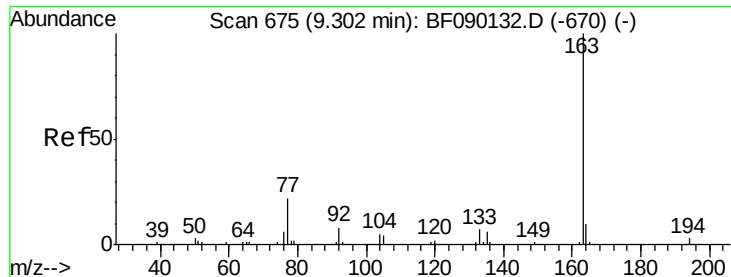
#44
 2-Fluorobiphenyl
 Concen: 82.06 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.03 min
 Lab File: BF090204.D
 Acq: 23 Sep 2016 18:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	24.2	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

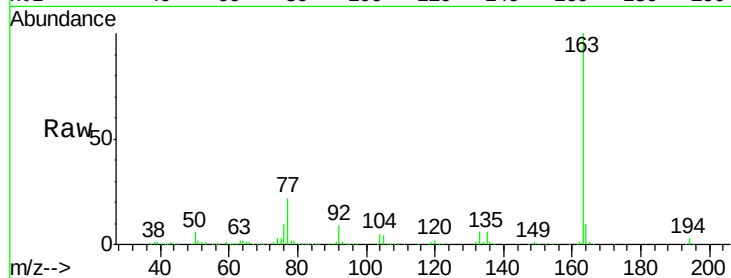




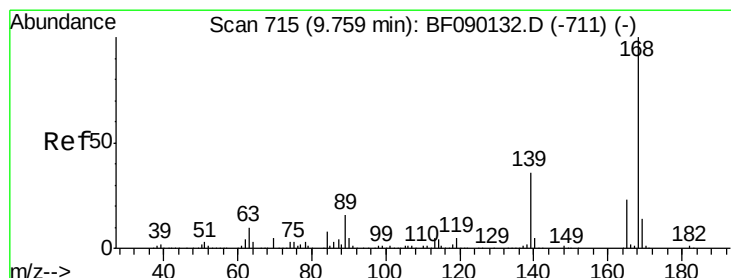
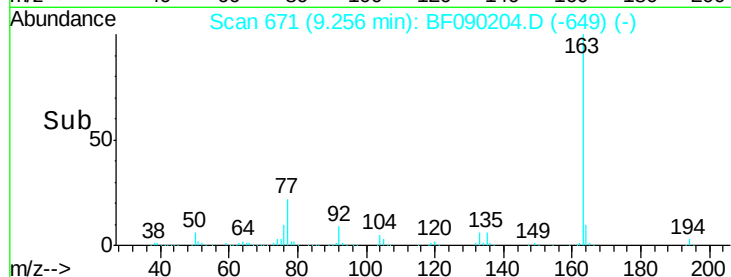
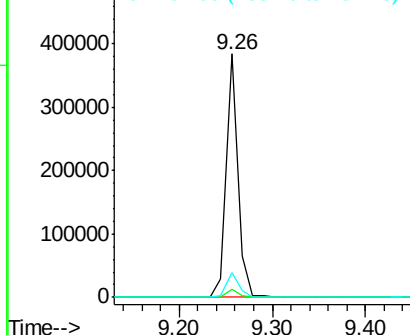
#49
Dimethylphthalate
Concen: 23.64 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.05 min
Lab File: BF090204.D
Acq: 23 Sep 2016 18:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 335046
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.4 8.1 12.1

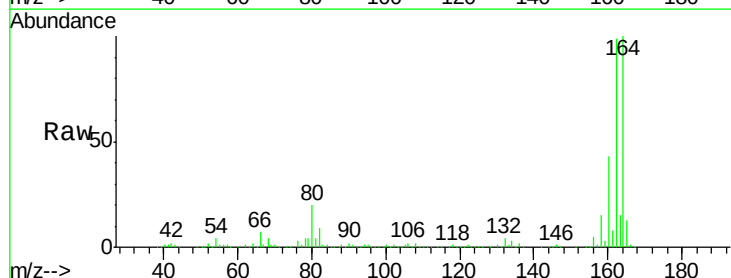


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

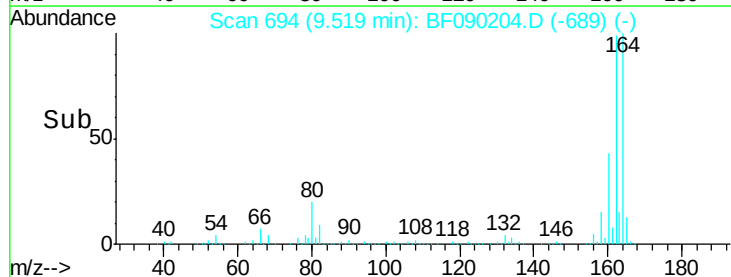
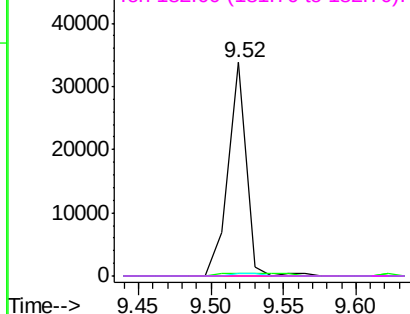


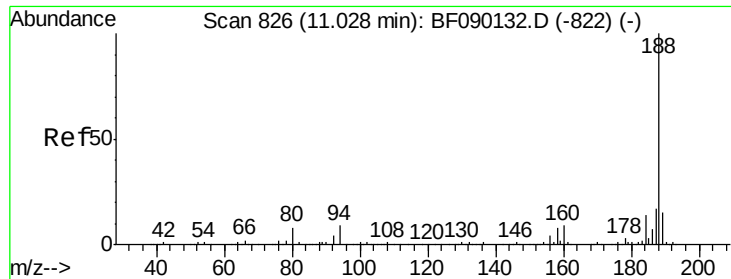
#56
2,4-Dinitrotoluene
Concen: 7.88 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.24 min
Lab File: BF090204.D
Acq: 23 Sep 2016 18:16

Tgt Ion:165 Resp: 29432
Ion Ratio Lower Upper
165 100
63 1.3 44.4 66.6#
89 1.0 70.1 105.1#
182 0.0 1.7 2.5#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

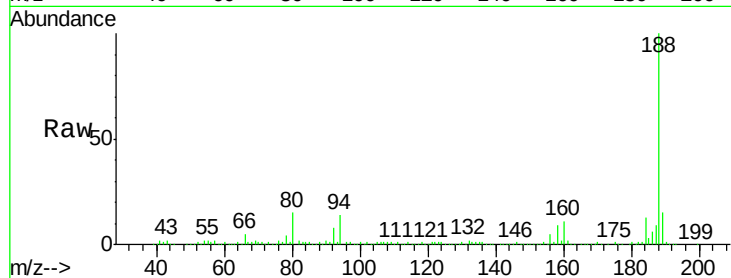




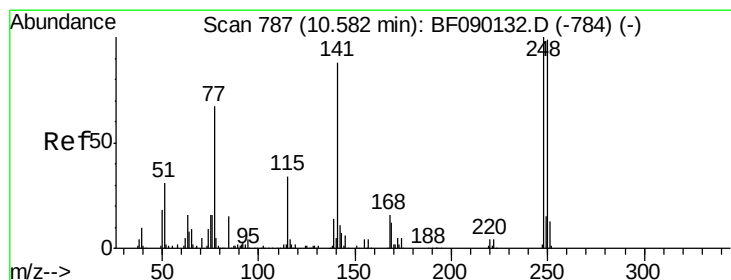
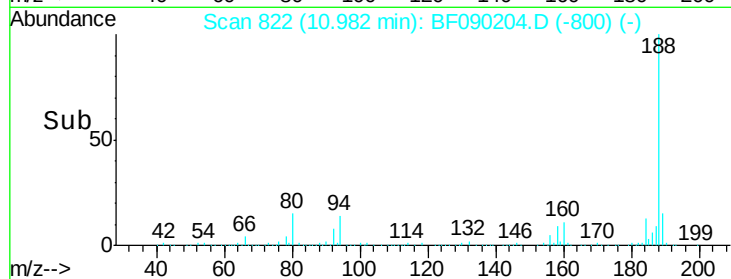
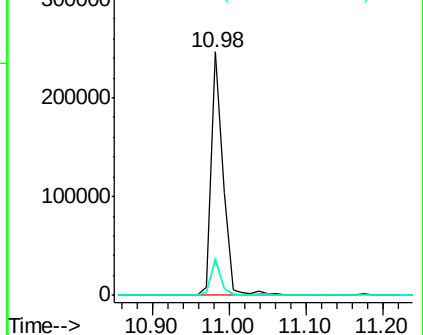
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.98 min Scan# 822
 Delta R.T. -0.05 min
 Lab File: BF090204.D
 Acq: 23 Sep 2016 18:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 261545
 Ion Ratio Lower Upper
 188 100
 94 14.2 10.5 15.7
 80 15.5 11.2 16.8

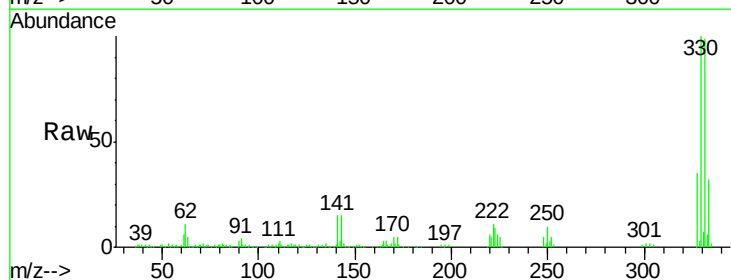


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

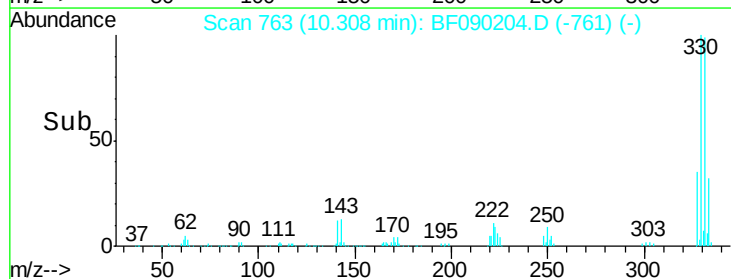
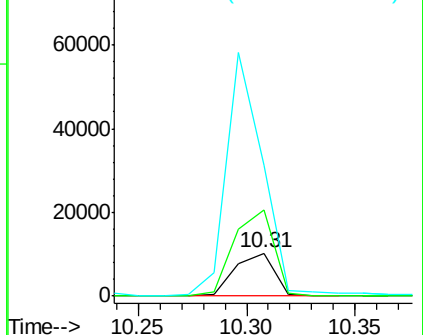


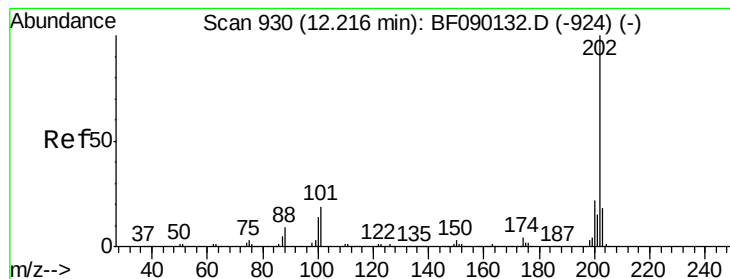
#66
 4-Bromophenyl-phenylether
 Concen: 5.07 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.27 min
 Lab File: BF090204.D
 Acq: 23 Sep 2016 18:16

Tgt Ion:248 Resp: 13051
 Ion Ratio Lower Upper
 248 100
 250 200.4 79.4 119.2#
 141 304.4 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: 3.90 ng

RT: 12.18 min Scan# 927

Delta R.T. -0.03 min

Lab File: BF090204.D

Acq: 23 Sep 2016 18:16

Instrument :

BNA_F

ClientSampleId :

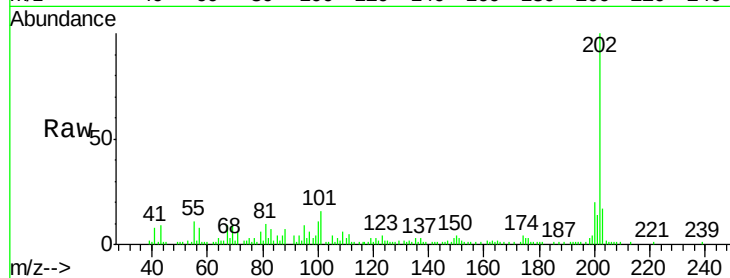
Tot Ion:202 Resp: 51184

Ion Ratio Lower Upper

202 100

101 15.5 0.0 36.1

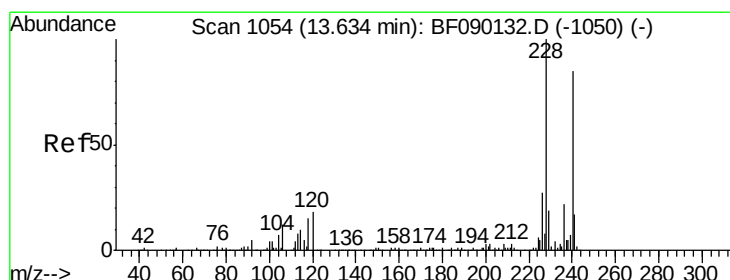
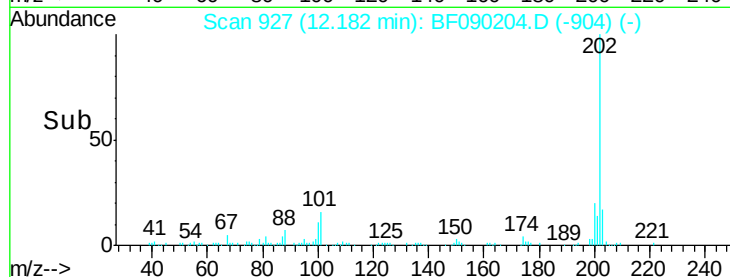
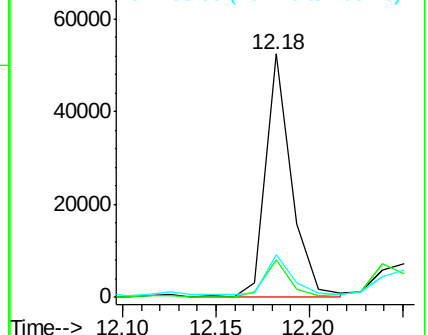
203 17.5 0.0 38.2



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: BF090204.D

Acq: 23 Sep 2016 18:16

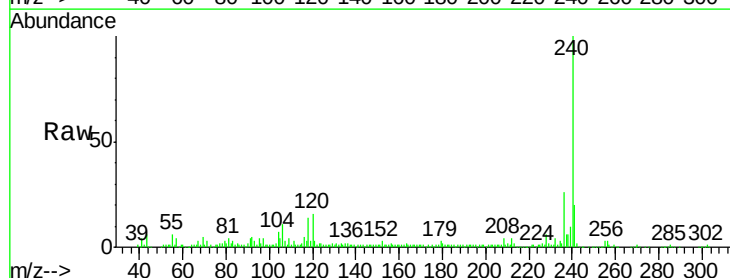
Tgt Ion:240 Resp: 237200

Ion Ratio Lower Upper

240 100

120 16.4 10.6 16.0#

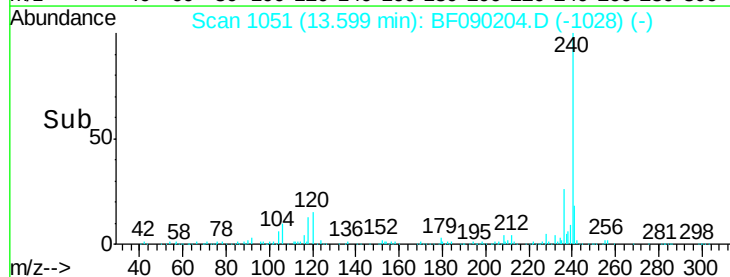
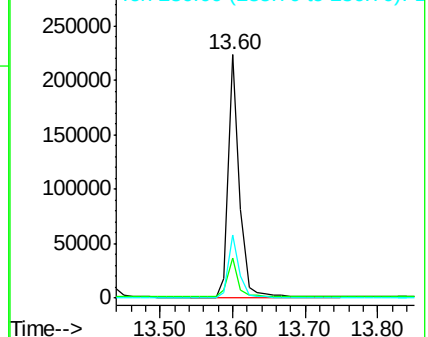
236 25.9 21.6 32.4

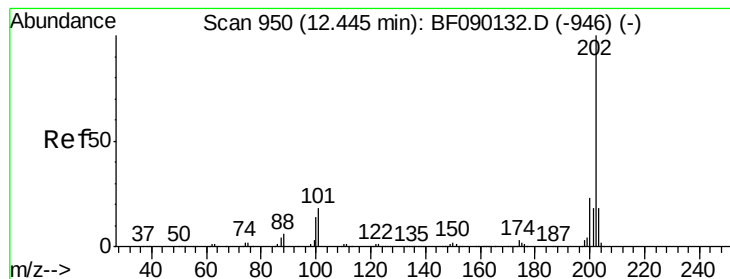


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.91 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.03 min

Lab File: BF090204.D

Acq: 23 Sep 2016 18:16

Instrument :

BNA_F

ClientSampleId :

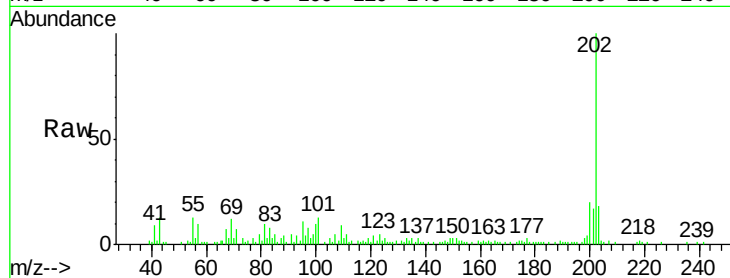
Tot Ion:202 Resp: 47187

Ion Ratio Lower Upper

202 100

200 20.2 17.9 26.9

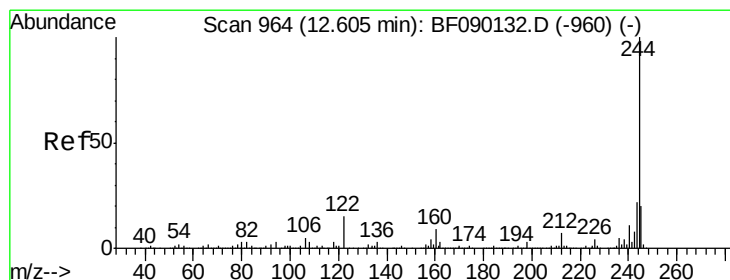
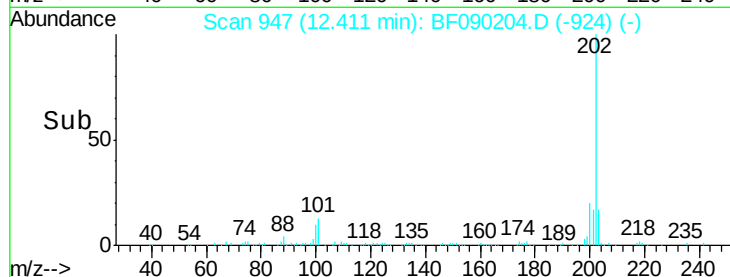
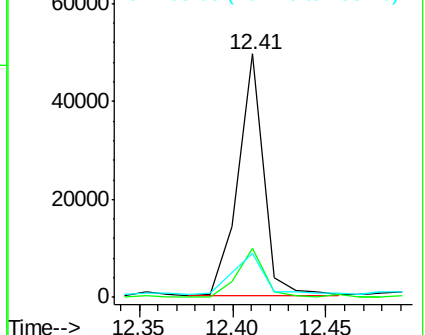
203 17.9 14.2 21.4



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: 64.01 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.03 min

Lab File: BF090204.D

Acq: 23 Sep 2016 18:16

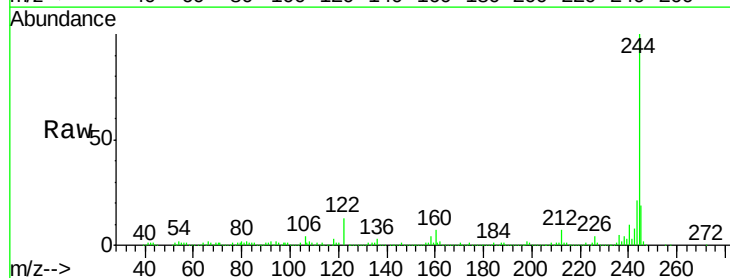
Tgt Ion:244 Resp: 598042

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

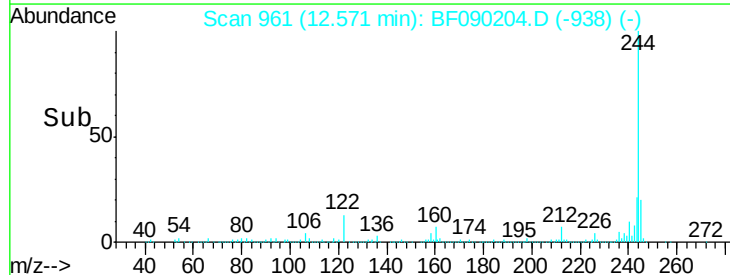
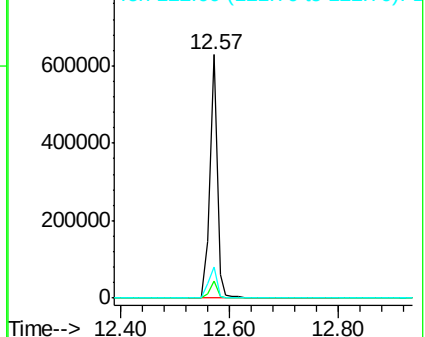
122 12.9 9.4 14.0

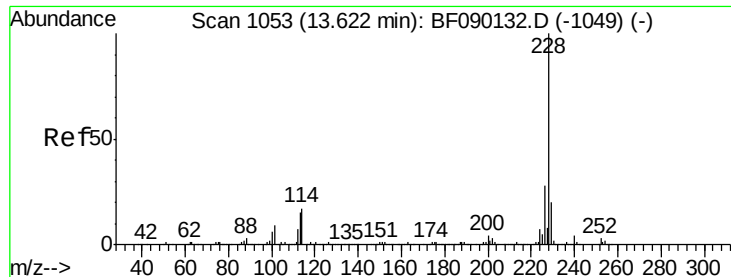


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.11 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.03 min

Lab File: BF090204.D

Acq: 23 Sep 2016 18:16

Instrument :

BNA_F

ClientSampleId :

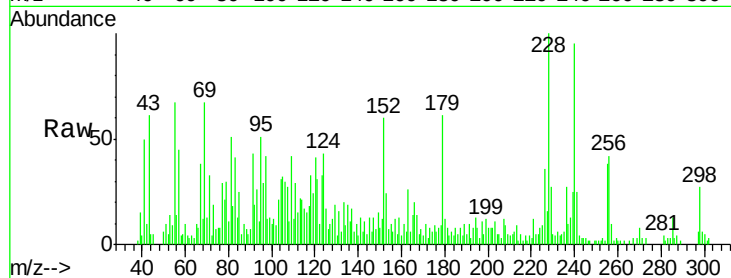
Tot Ion:228 Resp: 26898

Ion Ratio Lower Upper

228 100

226 35.6 22.0 33.0#

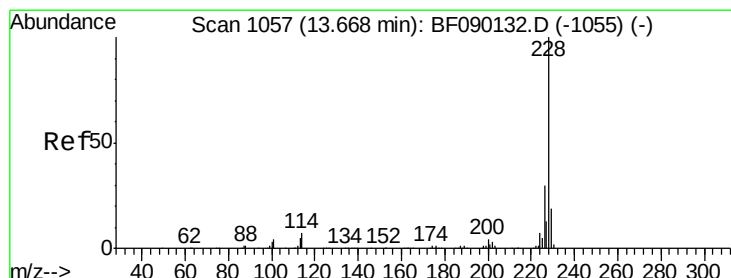
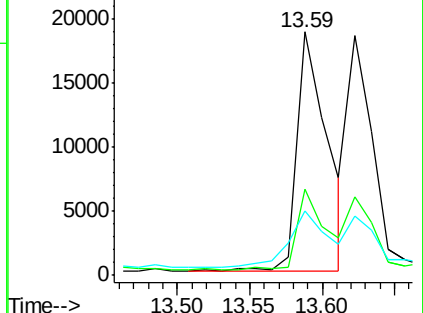
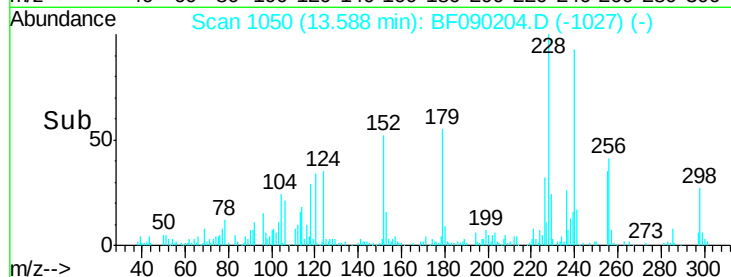
229 26.5 16.2 24.2#



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: 2.18 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.08 min

Lab File: BF090204.D

Acq: 23 Sep 2016 18:16

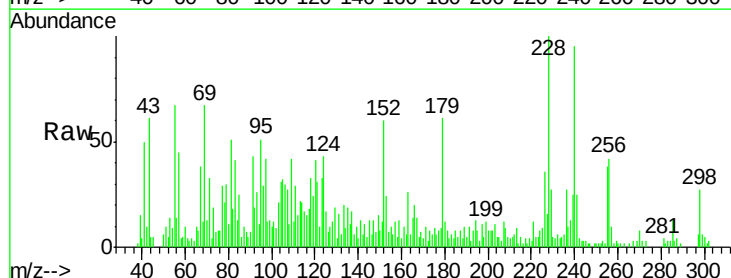
Tgt Ion:228 Resp: 27038

Ion Ratio Lower Upper

228 100

226 35.6 24.6 37.0

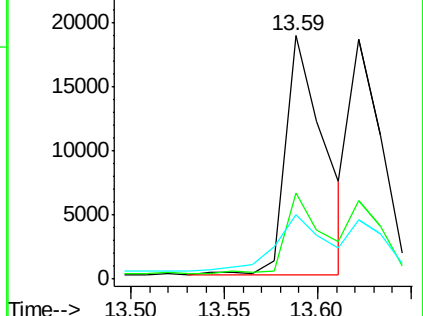
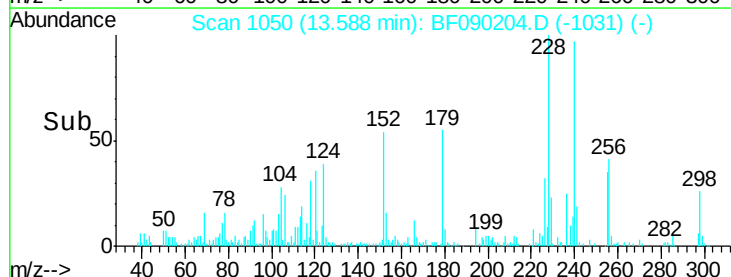
229 26.5 16.2 24.4#

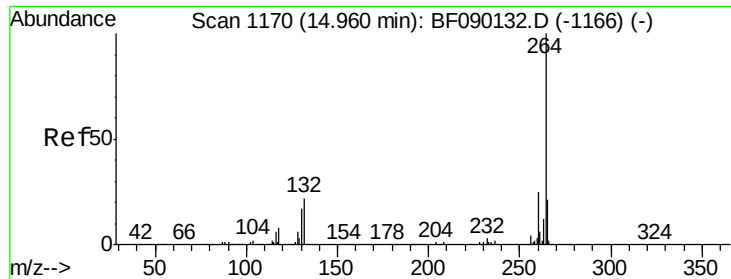


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

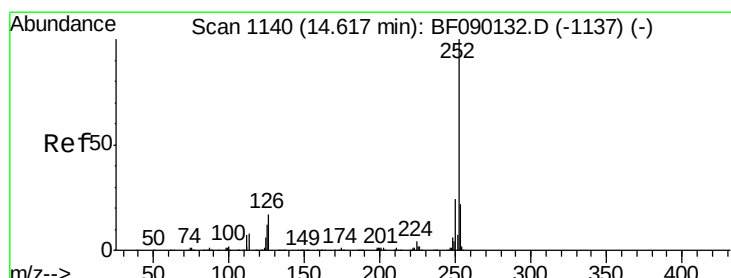
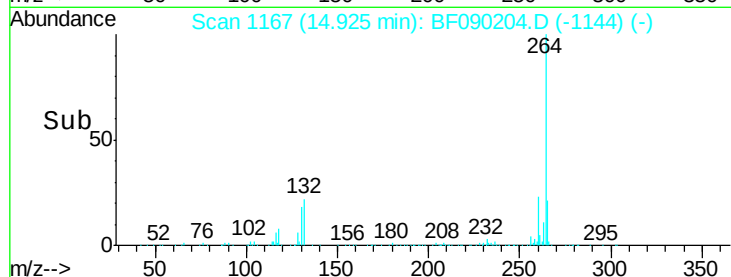
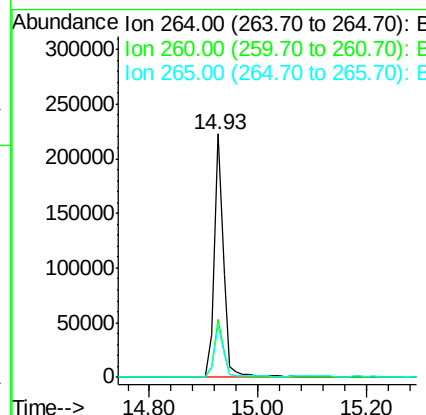
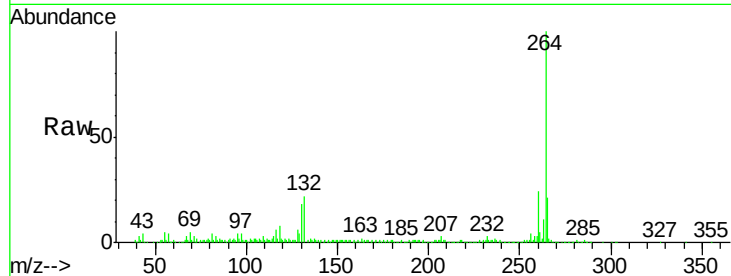




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF090204.D
Acq: 23 Sep 2016 18:16

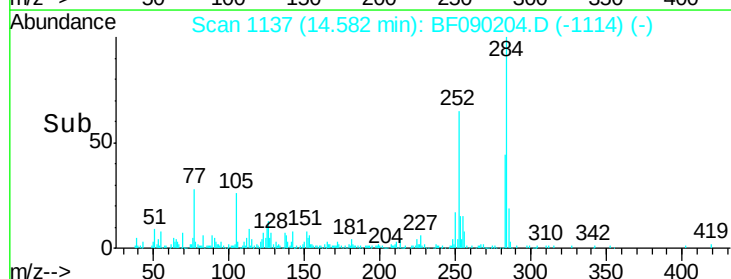
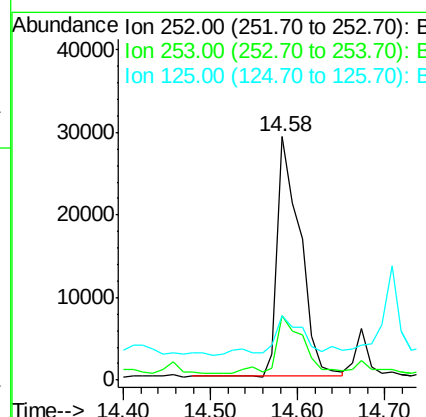
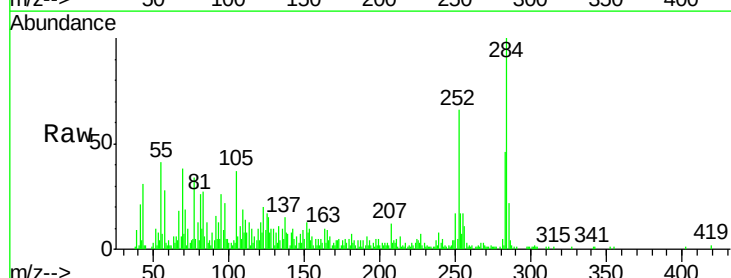
Instrument :
BNA_F
ClientSampleId :

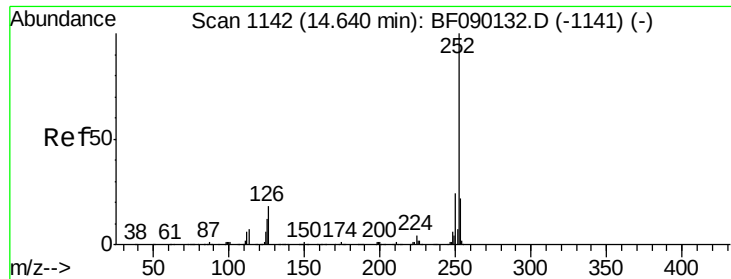
Tot Ion:264 Resp: 268241
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.0 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 3.56 ng
RT: 14.58 min Scan# 1137
Delta R.T. -0.03 min
Lab File: BF090204.D
Acq: 23 Sep 2016 18:16

Tgt Ion:252 Resp: 52903
Ion Ratio Lower Upper
252 100
253 26.5 17.9 26.9
125 26.2 12.7 19.1#

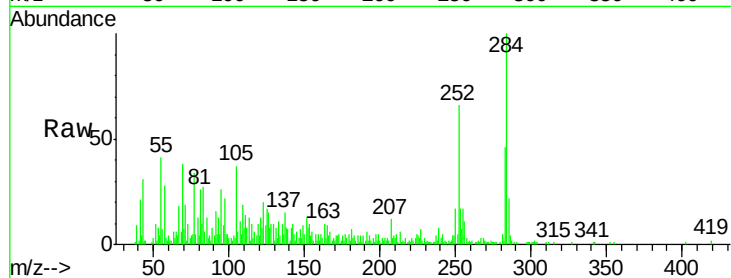




#88
 Benzo(k)fluoranthene
 Concen: 3.80 ng
 RT: 14.58 min Scan# 1137
 Delta R.T. -0.06 min
 Lab File: BF090204.D
 Acq: 23 Sep 2016 18:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.8
125	26.2	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

