

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092512.D
 Acq On : 26 Jan 2017 9:02
 Operator : SJ/MA
 Sample : I1386-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 13:26:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

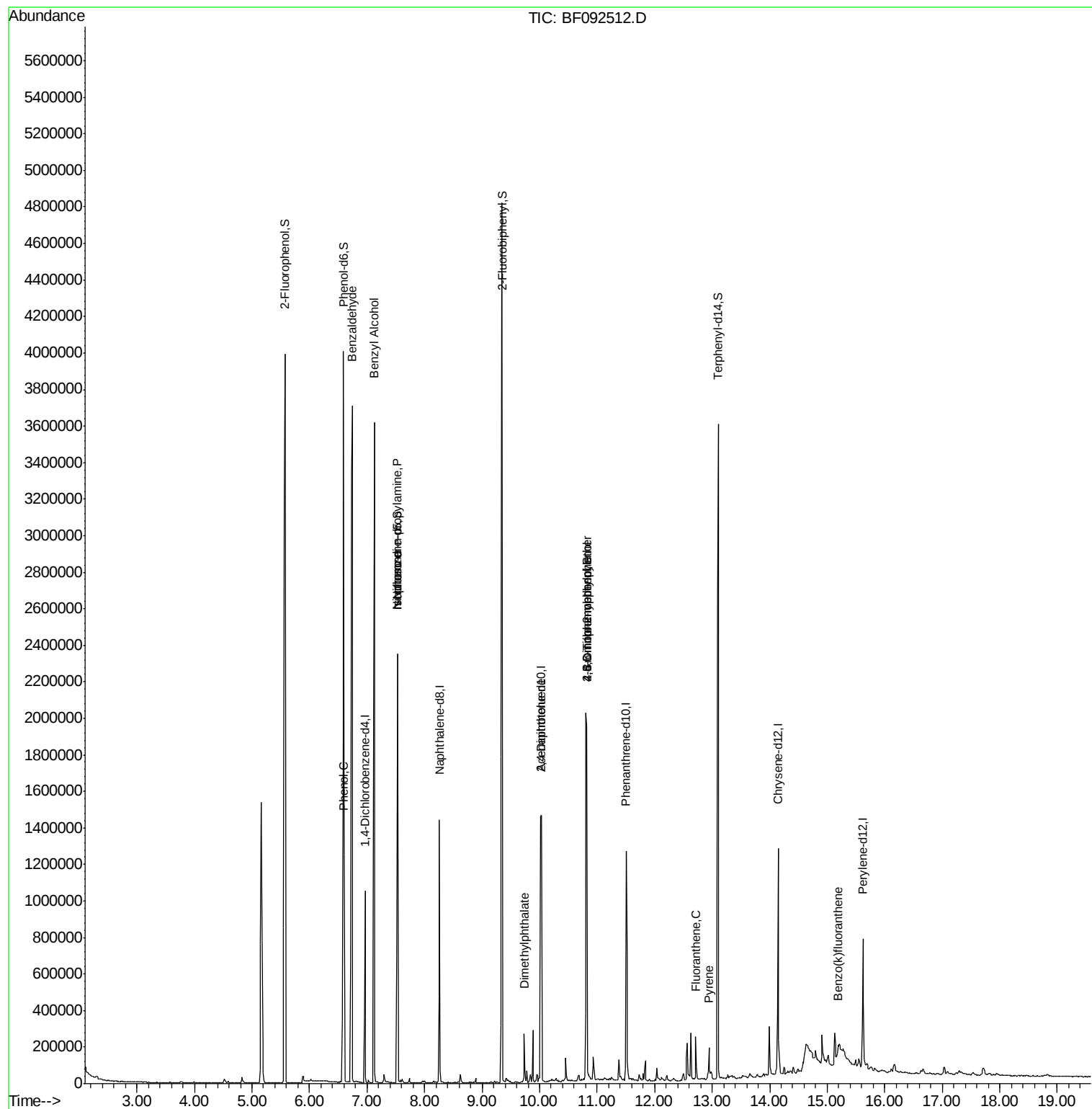
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	161748	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	663340	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	322445	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	547008	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	395526	20.00	ng	-0.02
86) Perylene-d12	15.62	264	335954	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	1531458	147.31	ng	0.02
7) Phenol-d6	6.59	99	1670112	126.12	ng	0.00
23) Nitrobenzene-d5	7.53	82	1196870	98.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	369970	168.37	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1657056	95.03	ng	-0.01
78) Terphenyl-d14	13.11	244	1496000	100.72	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.74	77	33132	3.53	ng	83
10) Phenol	6.60	94	121388	7.59	ng	78
15) Benzyl Alcohol	7.13	79	20110	2.02	ng	# 29
19) n-Nitroso-di-n-propylamine	7.53	70	157462	17.46	ng	# 86
25) Isophorone	7.53	82	1035962	43.29	ng	# 65
49) Dimethylphthalate	9.73	163	103863	5.07	ng	# 98
56) 2,4-Dinitrotoluene	10.02	165	41959	7.54	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.82	198	868	5.21	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	27644	5.01	ng	# 1
74) Fluoranthene	12.72	202	93268	3.17	ng	98
77) Pyrene	12.95	202	68248	2.38	ng	97
88) Benzo(k)fluoranthene	15.19	252	40001	2.23	ng	# 94

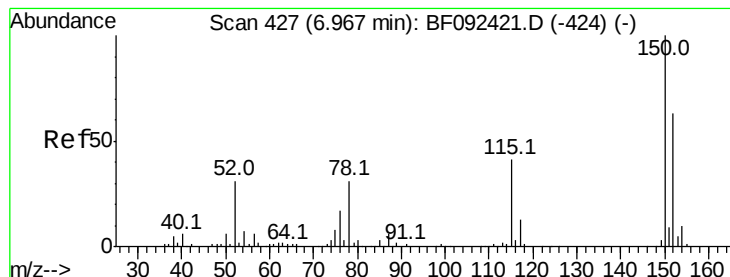
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

Instrument :

BNA_F

ClientSampleId :

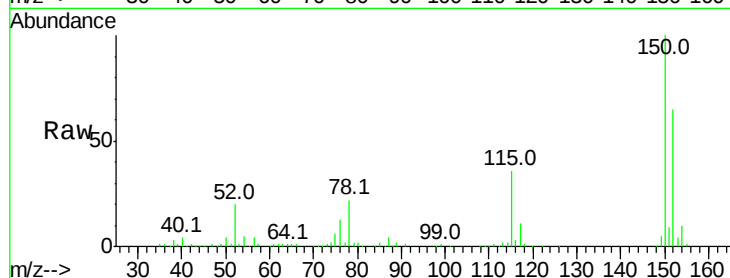
Tot Ion:152 Resp: 161748

Ion Ratio Lower Upper

152 100

150 154.7 124.9 187.3

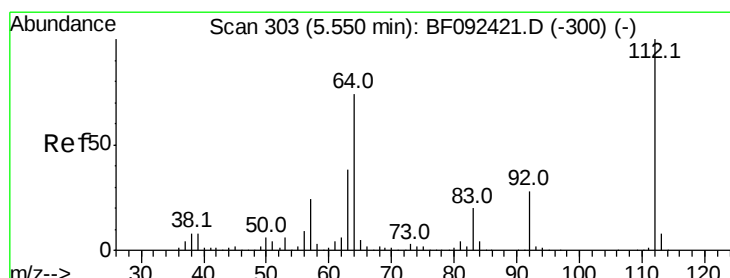
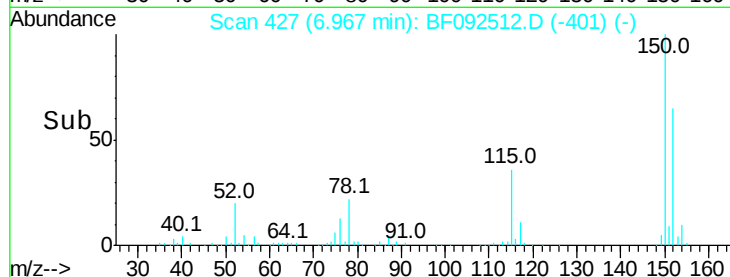
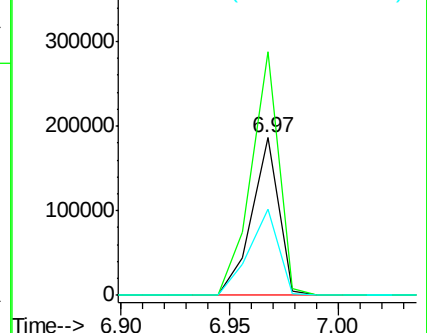
115 55.1 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 147.31 ng

RT: 5.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

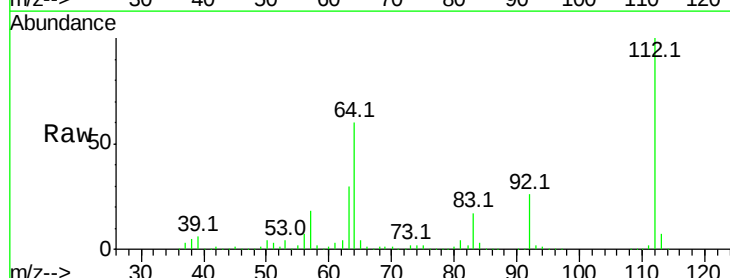
Tgt Ion:112 Resp: 1531458

Ion Ratio Lower Upper

112 100

64 59.9 46.1 69.1

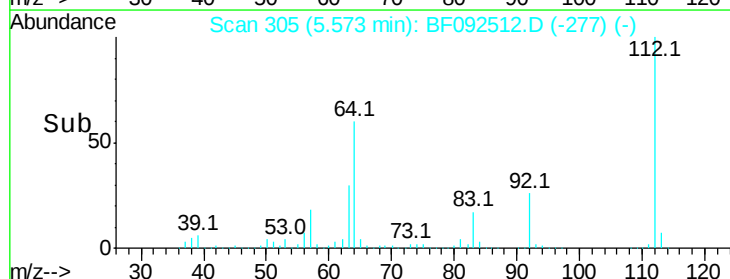
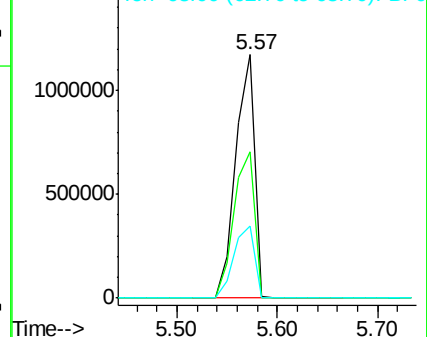
63 29.6 23.8 35.6

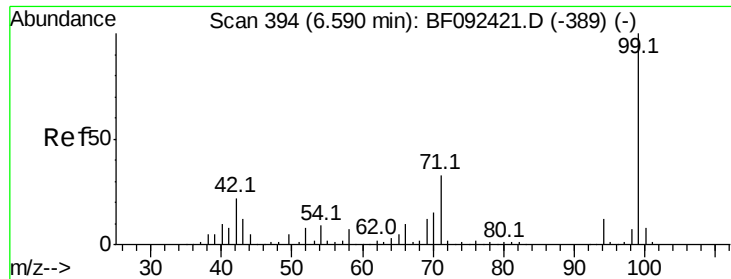


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 126.12 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

Instrument :
BNA_F
ClientSampleId :

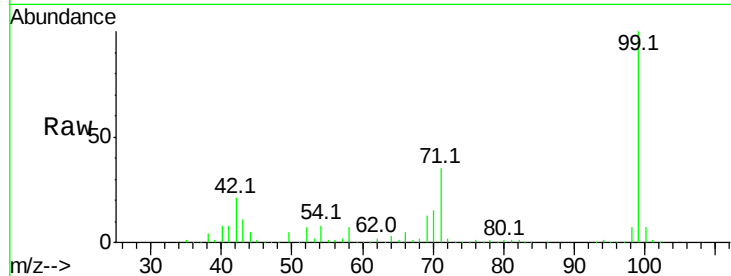
Tot Ion: 99 Resp: 1670112

Ion Ratio Lower Upper

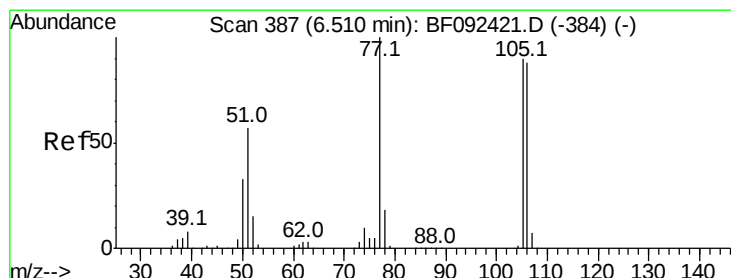
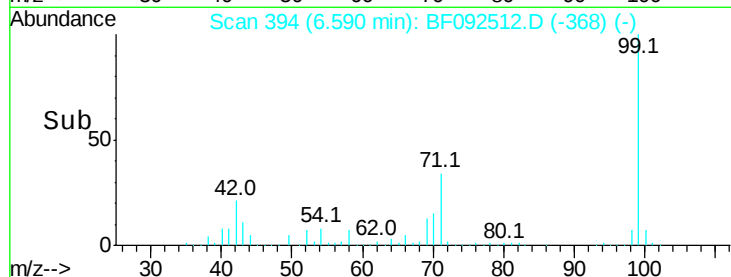
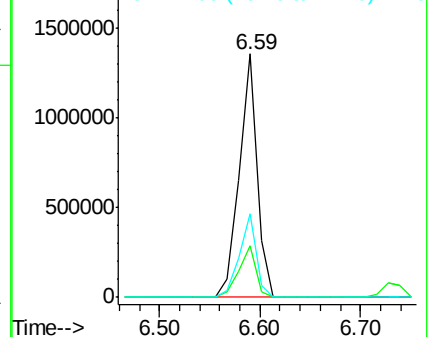
99 100

42 21.4 15.6 23.4

71 34.5 27.5 41.3



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: 3.53 ng

RT: 6.74 min Scan# 407

Delta R.T. 0.23 min

Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

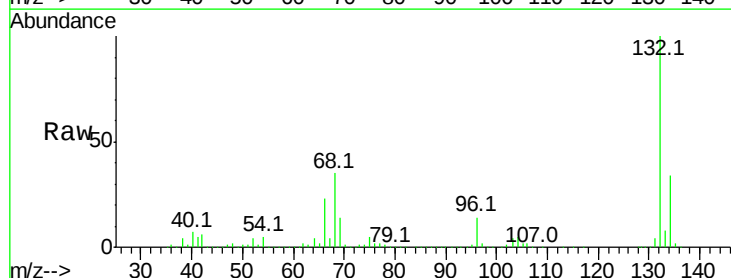
Tgt Ion: 77 Resp: 33132

Ion Ratio Lower Upper

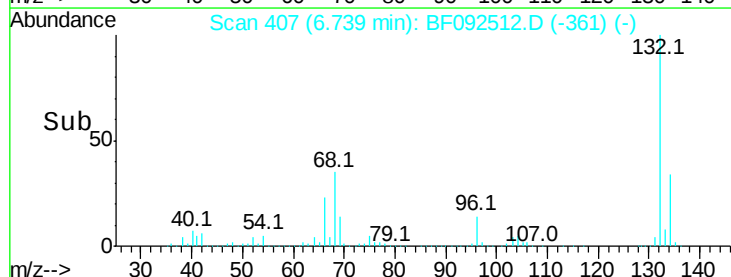
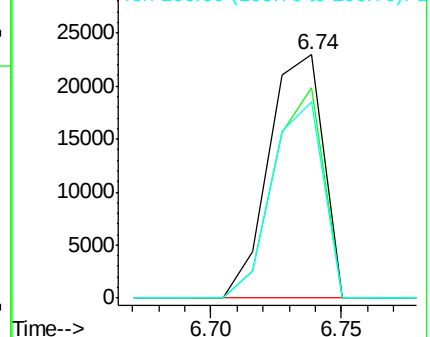
77 100

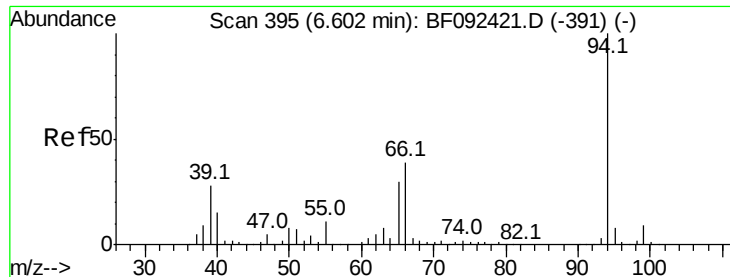
105 86.2 83.9 123.9

106 80.8 77.6 117.6



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





#10

Phenol

Concen: 7.59 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

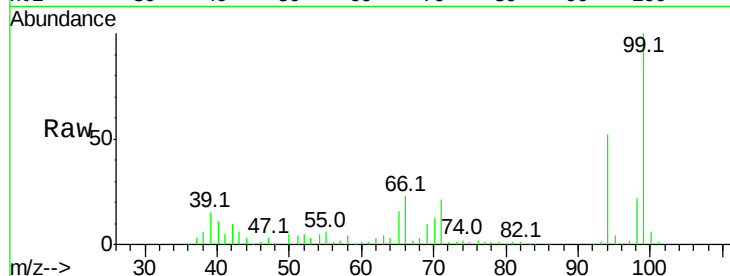
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 121388

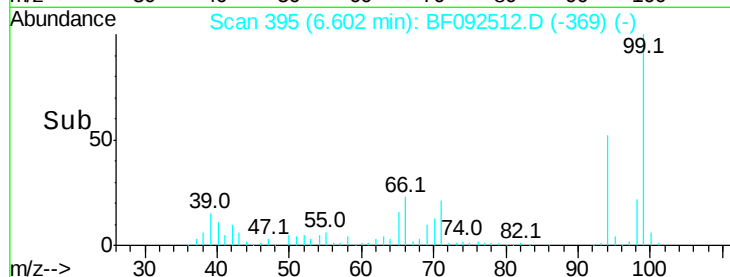
Ion	Ratio	Lower	Upper
94	100		
65	31.1	21.4	61.4
66	44.6	44.0	84.0



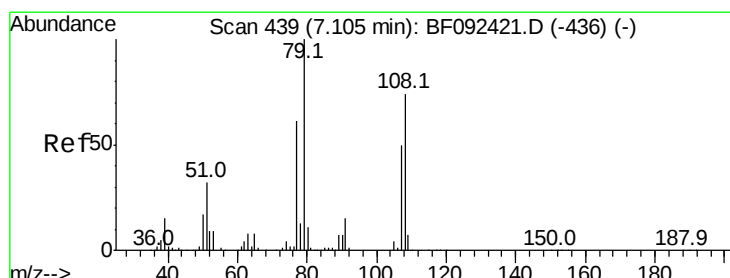
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



Time-->



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 7.13 min Scan# 441

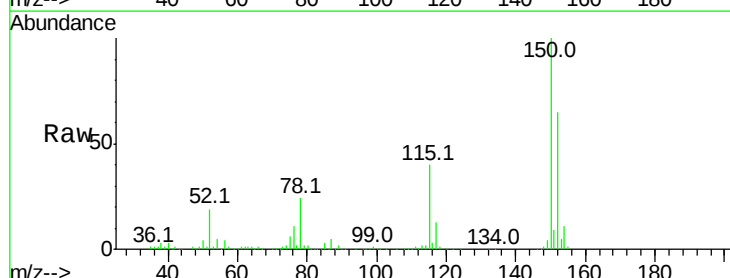
Delta R.T. 0.02 min

Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

Tgt Ion: 79 Resp: 20110

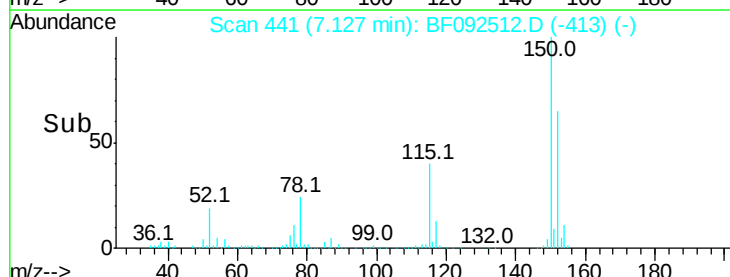
Ion	Ratio	Lower	Upper
79	100		
108	30.6	61.4	92.0#
77	135.4	50.9	76.3#



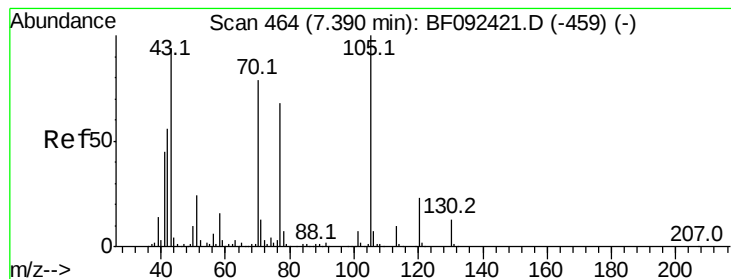
Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 17.46 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.14 min

Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

Instrument :

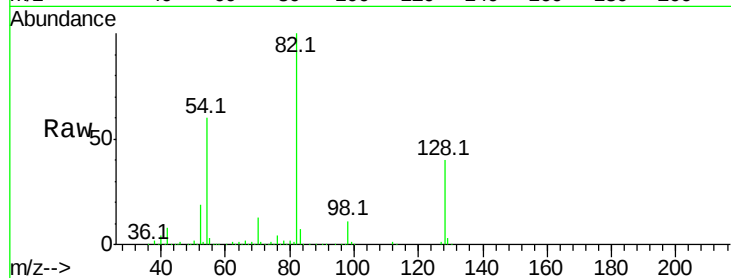
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 157462

Ion Ratio Lower Upper

70	100		
42	56.8	49.4	74.0
101	0.0	7.4	11.2#
130	2.1	14.2	21.4#

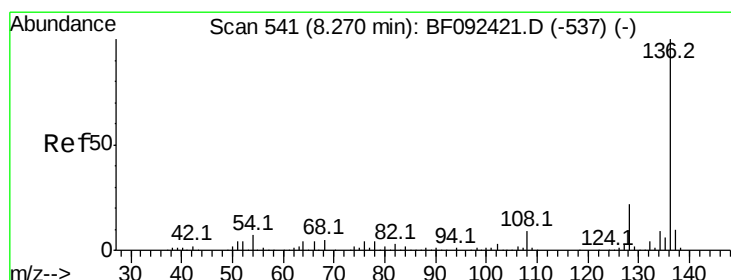
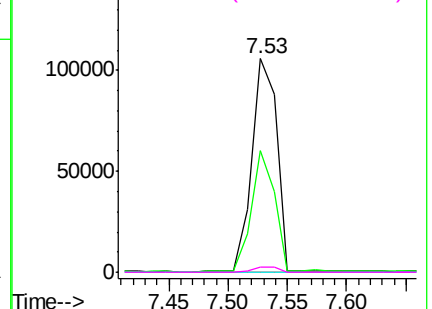
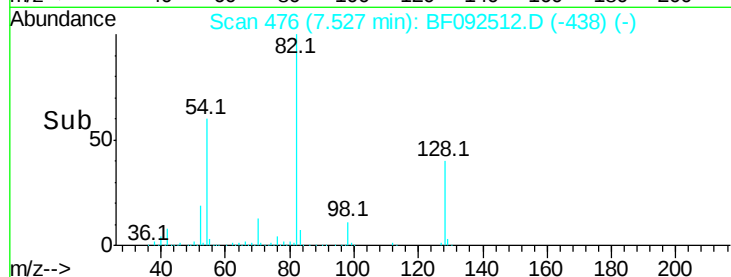


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

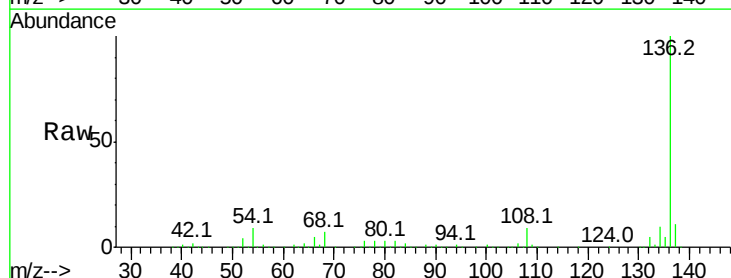
Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

Tgt Ion: 136 Resp: 663340

Ion Ratio Lower Upper

136	100		
137	11.0	8.4	12.6
54	9.3	4.5	6.7#
68	6.5	3.6	5.4#

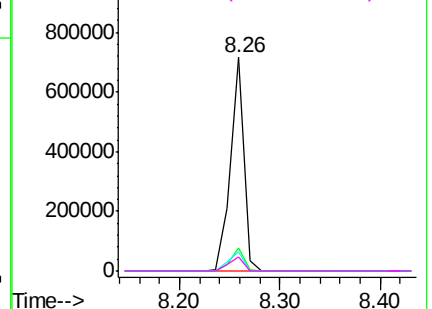
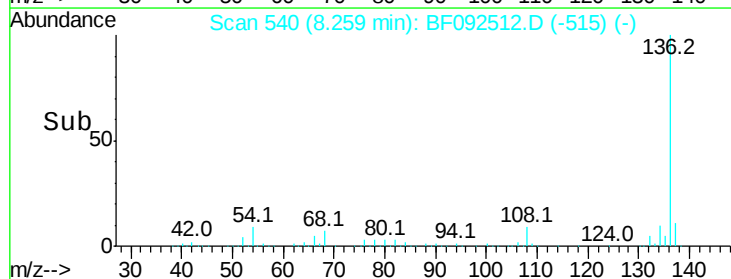


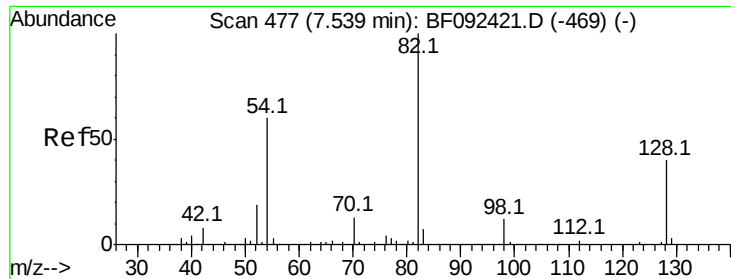
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

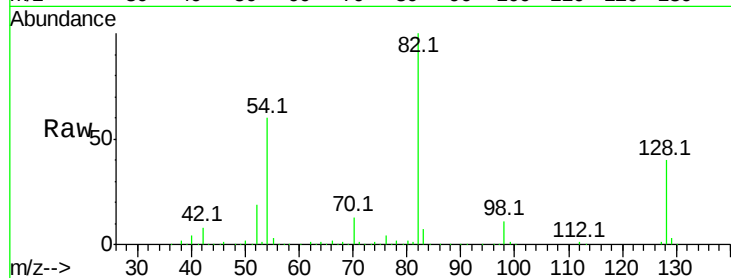




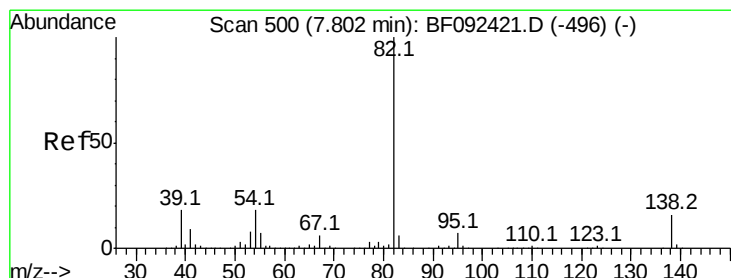
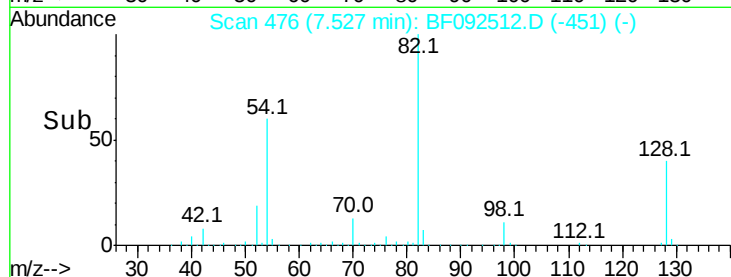
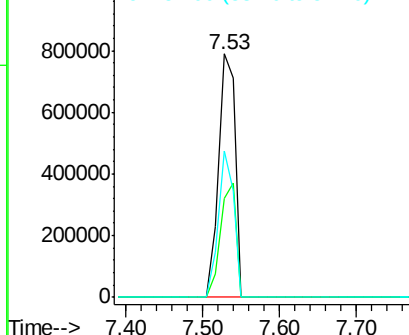
#23
 Nitrobenzene-d5
 Concen: 98.56 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.01 min
 Lab File: BF092512.D
 Acq: 26 Jan 2017 9:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1196870
 Ion Ratio Lower Upper
 82 100
 128 40.5 34.6 52.0
 54 60.1 39.5 59.3#

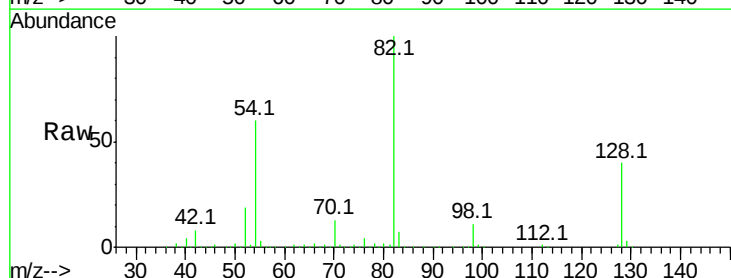


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

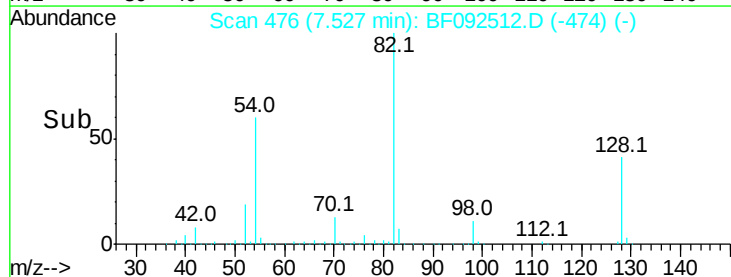
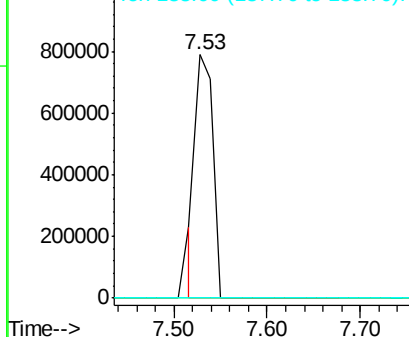


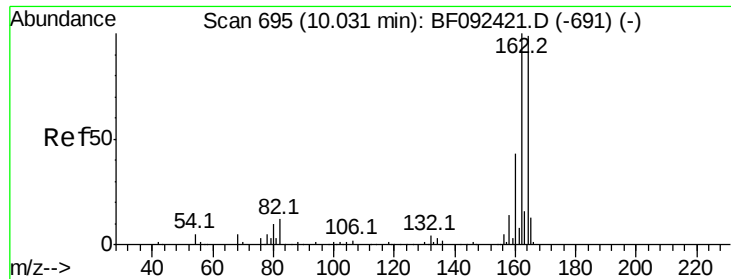
#25
 Isophorone
 Concen: 43.29 ng
 RT: 7.53 min Scan# 476
 Delta R.T. -0.27 min
 Lab File: BF092512.D
 Acq: 26 Jan 2017 9:02

Tgt Ion: 82 Resp: 1035962
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



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

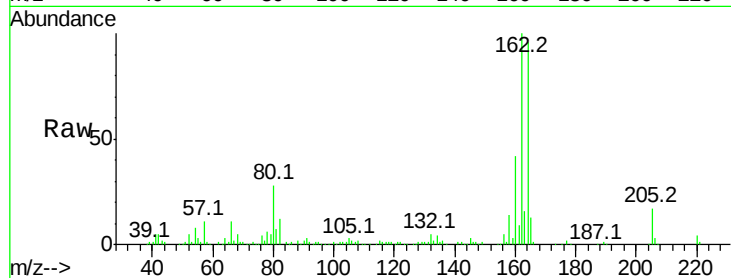




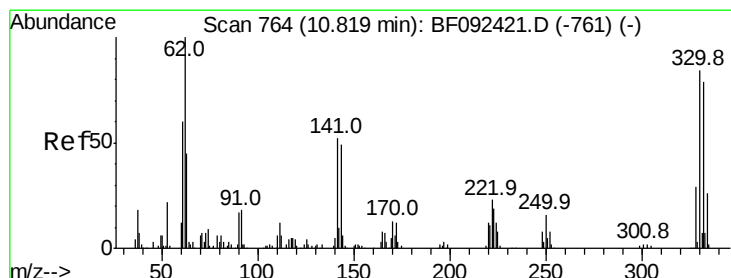
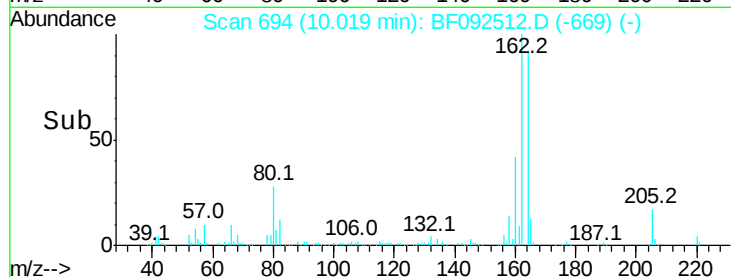
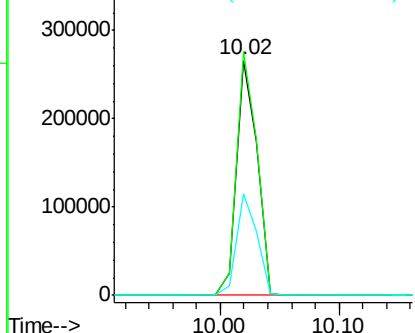
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF092512.D
Acq: 26 Jan 2017 9:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 322445
Ion Ratio Lower Upper
164 100
162 103.8 80.2 120.2
160 43.5 36.9 55.3

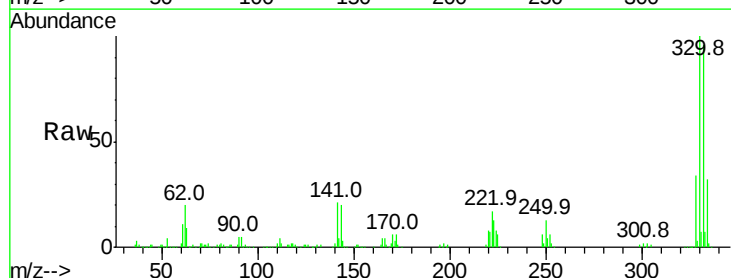


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

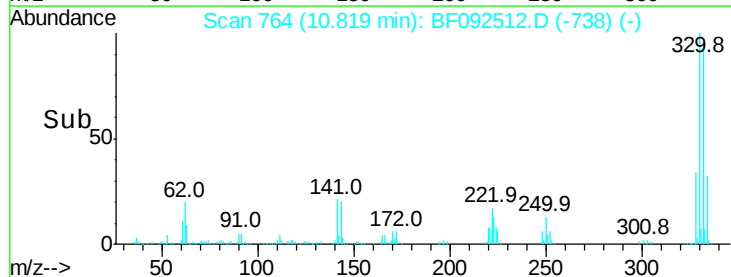
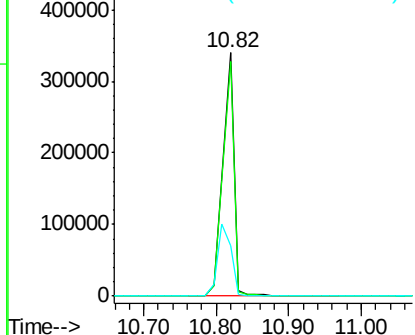


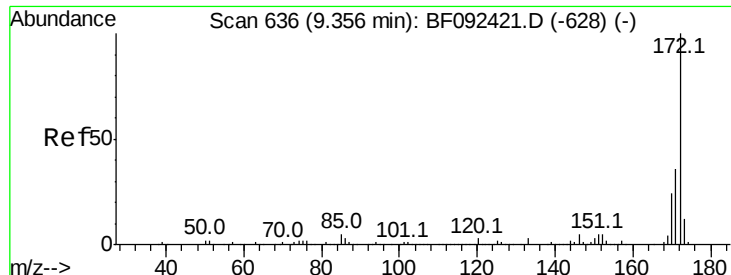
#41
2,4,6-Tribromophenol
Concen: 168.37 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF092512.D
Acq: 26 Jan 2017 9:02

Tgt Ion:330 Resp: 369970
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.2
141 36.0 34.1 51.1



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



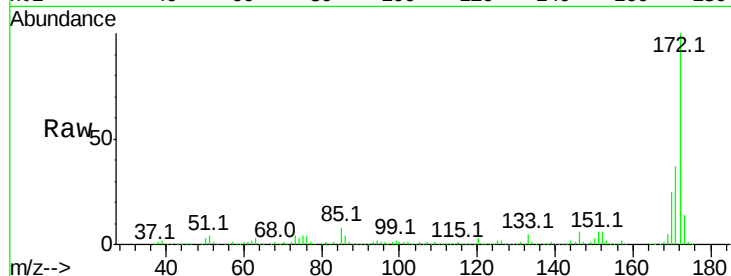


#44
 2-Fluorobiphenyl
 Concen: 95.03 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092512.D
 Acq: 26 Jan 2017 9:02

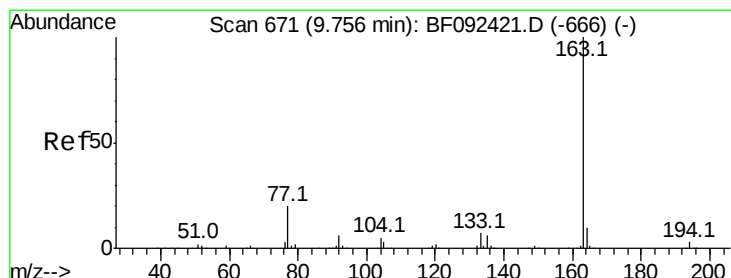
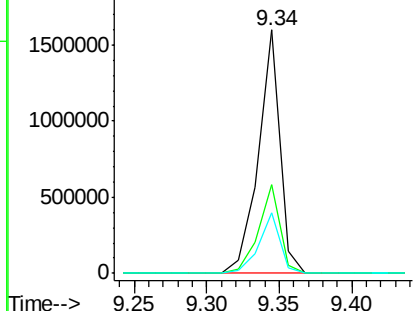
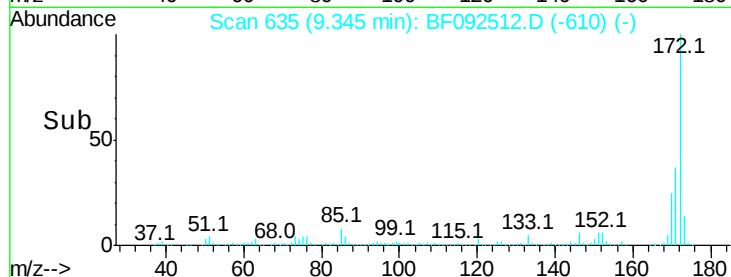
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1657056

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	24.8	20.2	30.4



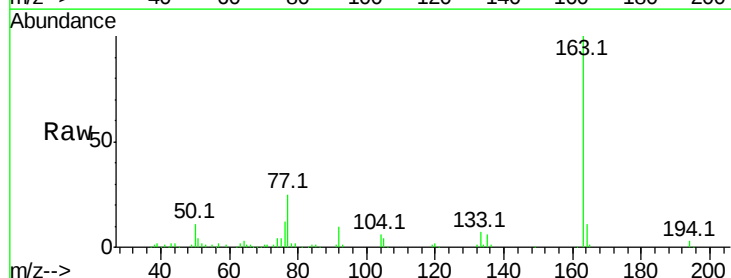
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



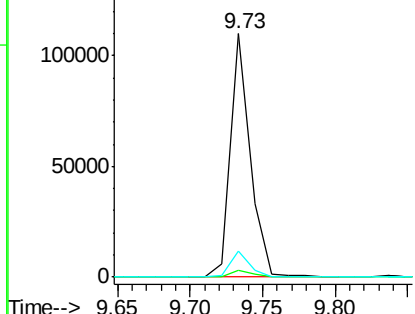
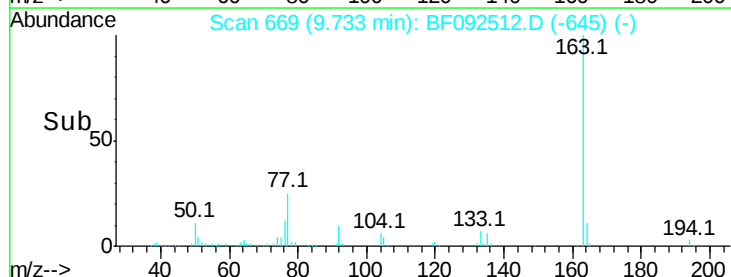
#49
 Dimethylphthalate
 Concen: 5.07 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.02 min
 Lab File: BF092512.D
 Acq: 26 Jan 2017 9:02

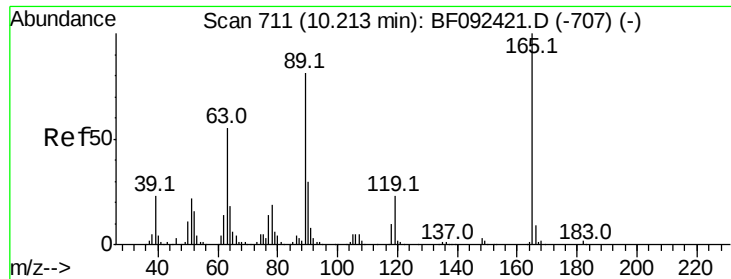
Tgt Ion:163 Resp: 103863

Ion	Ratio	Lower	Upper
163	100		
194	2.9	3.0	4.4#
164	10.5	8.0	12.0



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

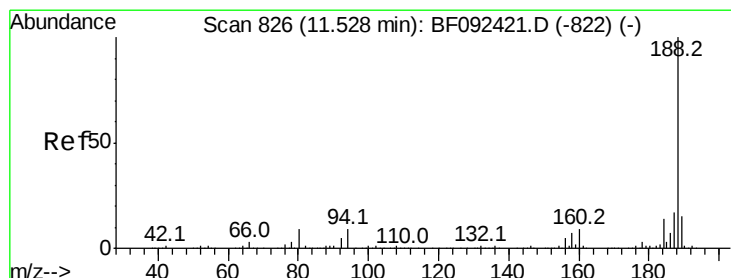
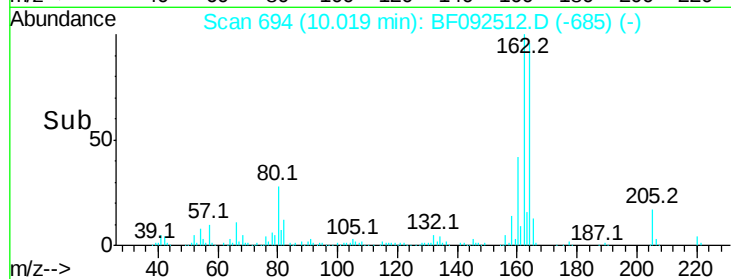
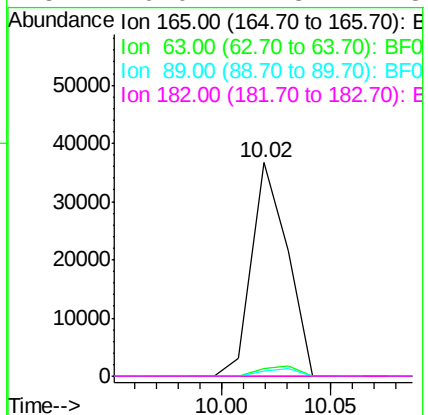
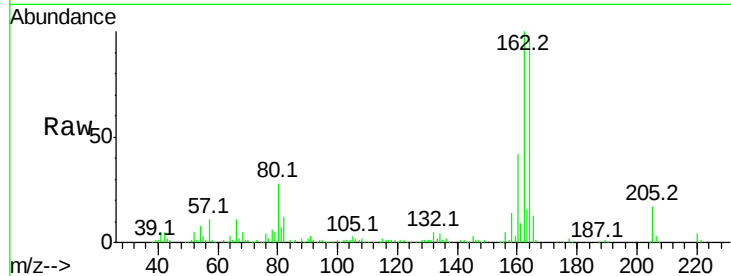




#56
 2,4-Dinitrotoluene
 Concen: 7.54 ng
 RT: 10.02 min Scan# 694
 Delta R.T. -0.19 min
 Lab File: BF092512.D
 Acq: 26 Jan 2017 9:02

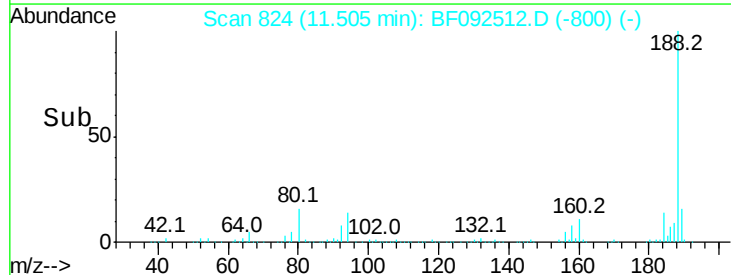
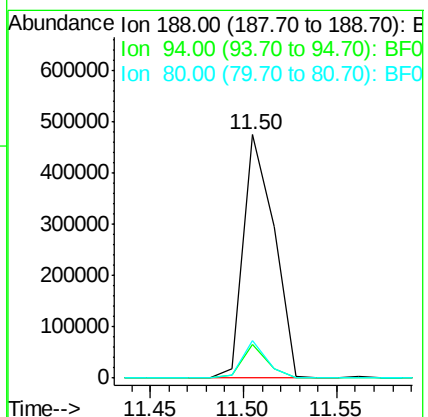
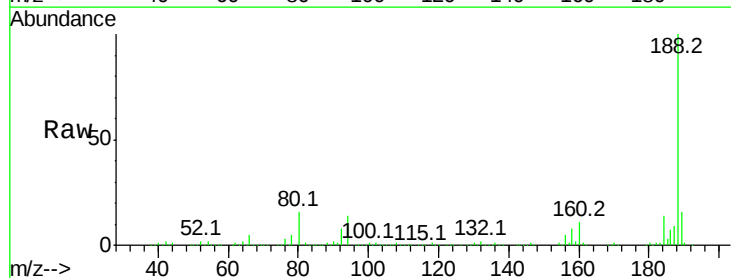
Instrument :
 BNA_F
 ClientSampleId :

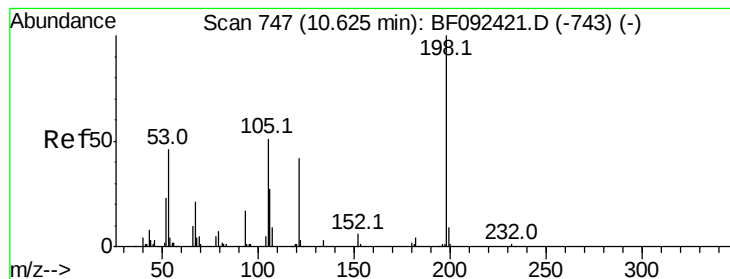
Tot Ion:165 Resp: 41959
 Ion Ratio Lower Upper
 165 100
 63 3.6 40.2 60.4#
 89 2.5 62.5 93.7#
 182 0.0 1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.50 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: BF092512.D
 Acq: 26 Jan 2017 9:02

Tgt Ion:188 Resp: 547008
 Ion Ratio Lower Upper
 188 100
 94 13.6 10.0 15.0
 80 15.7 11.2 16.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.21 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.20 min

Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

Instrument :

BNA_F

ClientSampleId :

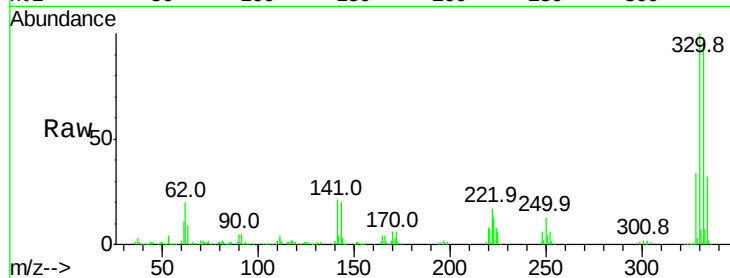
Tot Ion:198 Resp: 868

Ion Ratio Lower Upper

198 100

51 113.3 6.7 46.7#

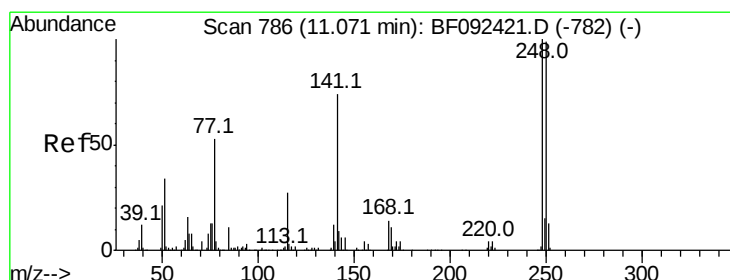
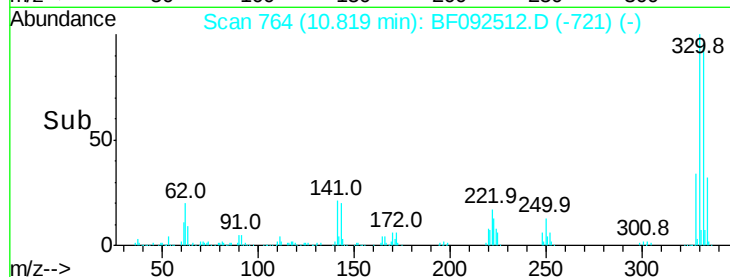
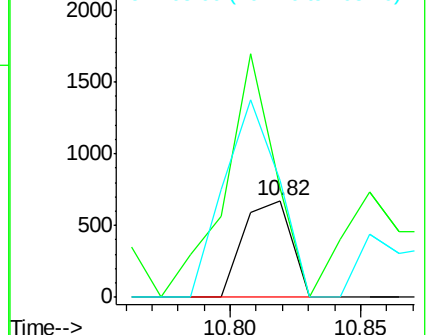
105 121.3 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 5.01 ng

RT: 10.82 min Scan# 764

Delta R.T. -0.25 min

Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

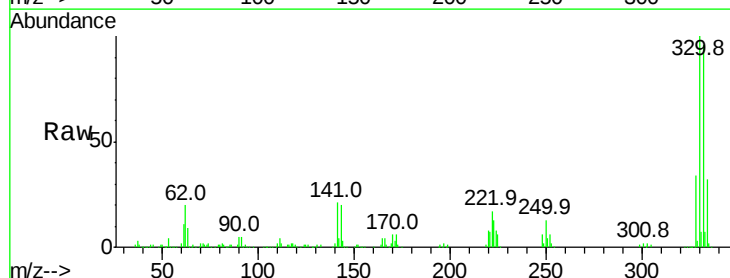
Tgt Ion:248 Resp: 27644

Ion Ratio Lower Upper

248 100

250 199.4 76.9 115.3#

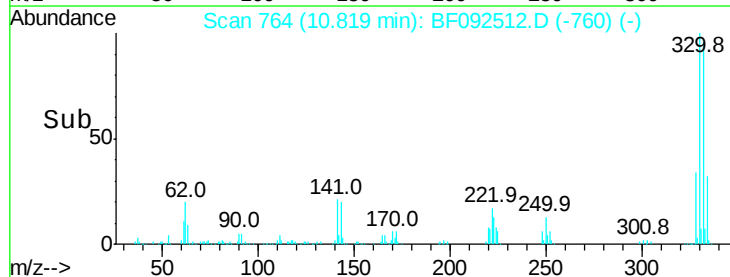
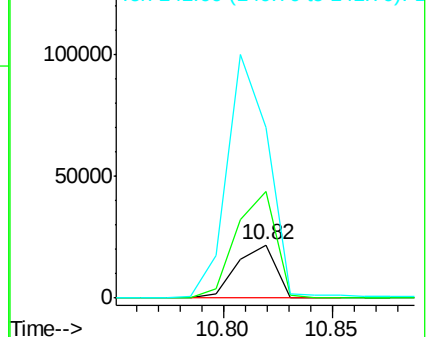
141 320.3 68.2 102.4#

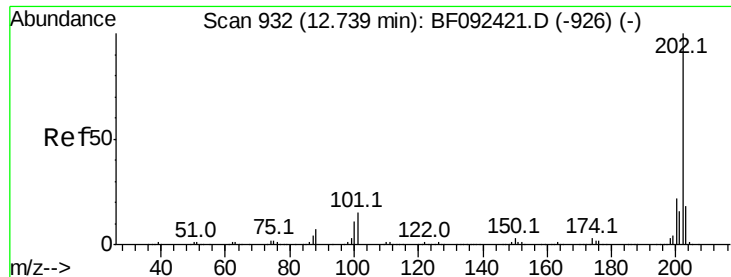


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

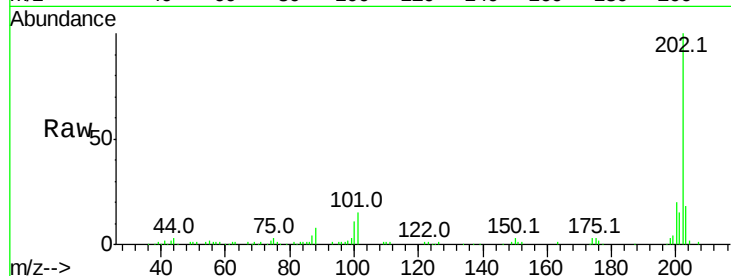




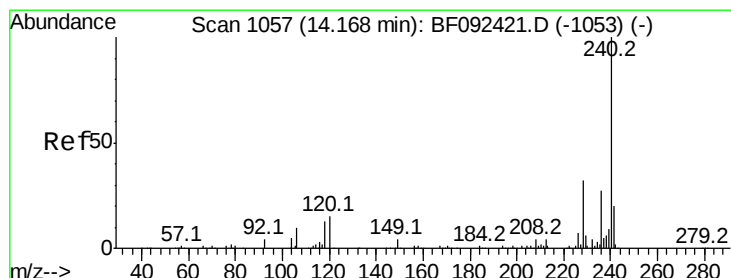
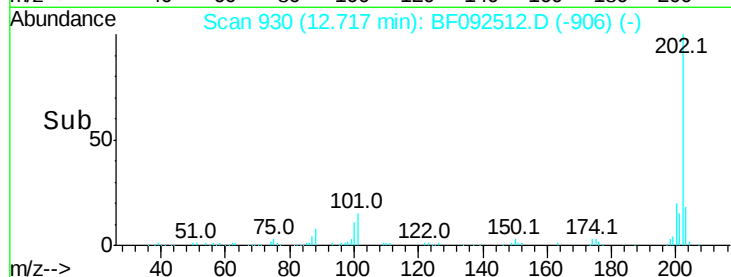
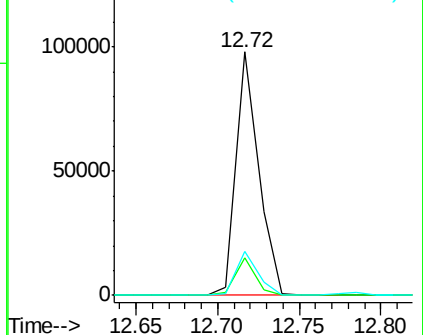
#74
Fluoranthene
 Concen: 3.17 ng
 RT: 12.72 min Scan# 930
 Delta R.T. -0.02 min
 Lab File: BF092512.D
 Acq: 26 Jan 2017 9:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	34.6
203	18.0	0.0	38.7

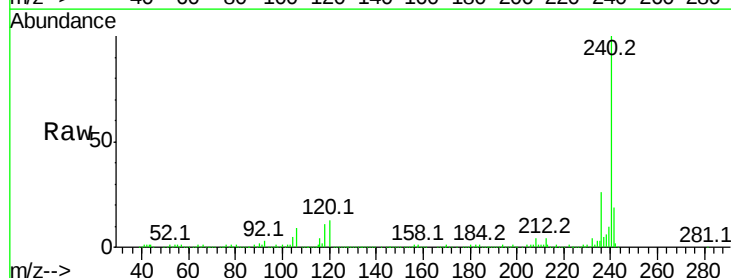


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

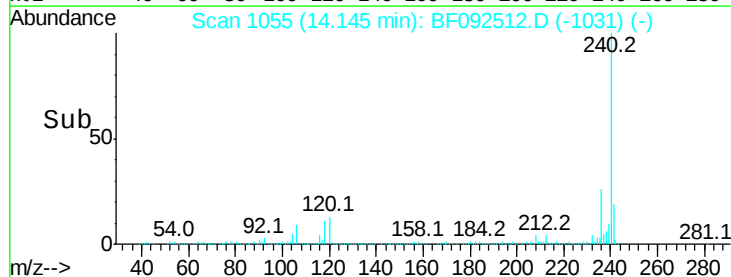
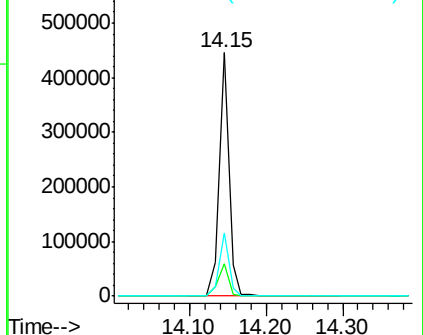


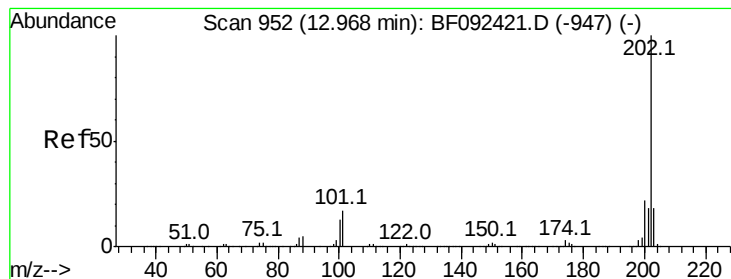
#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. -0.02 min
 Lab File: BF092512.D
 Acq: 26 Jan 2017 9:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	12.9	19.3
236	25.9	20.9	31.3



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: 2.38 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

Instrument :

BNA_F

ClientSampleId :

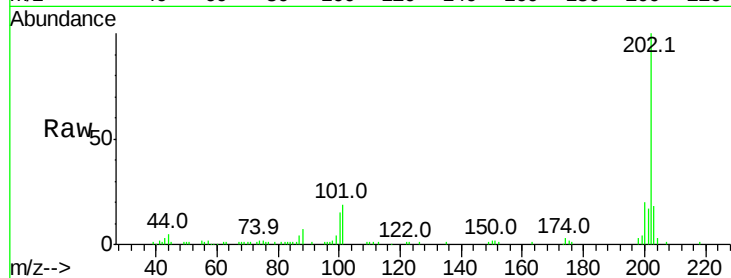
Tot Ion:202 Resp: 68248

Ion Ratio Lower Upper

202 100

200 20.1 17.7 26.5

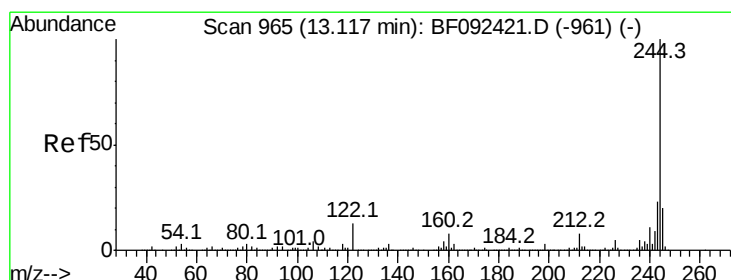
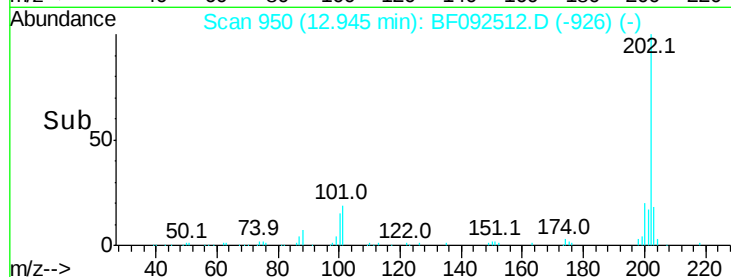
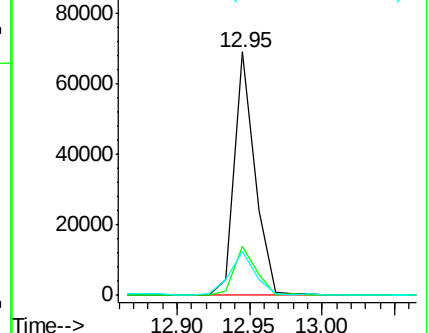
203 18.1 14.7 22.1



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: 100.72 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092512.D

Acq: 26 Jan 2017 9:02

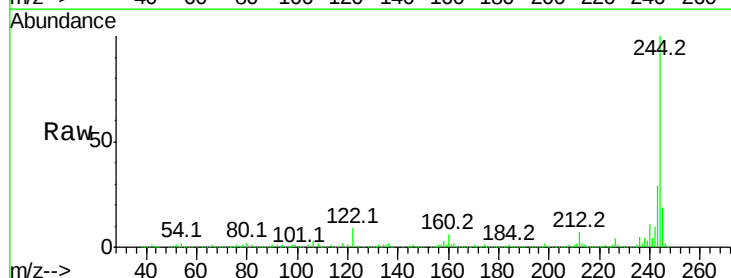
Tgt Ion:244 Resp: 1496000

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

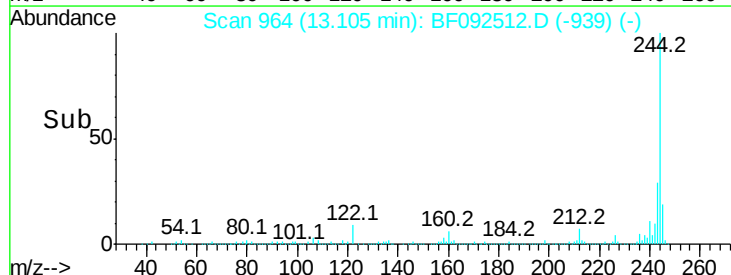
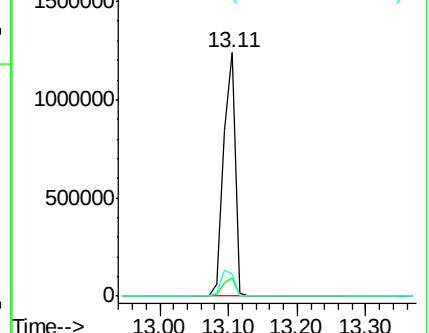
122 9.1 11.4 17.2#

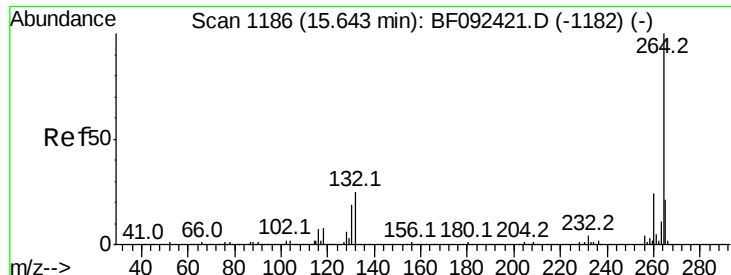


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

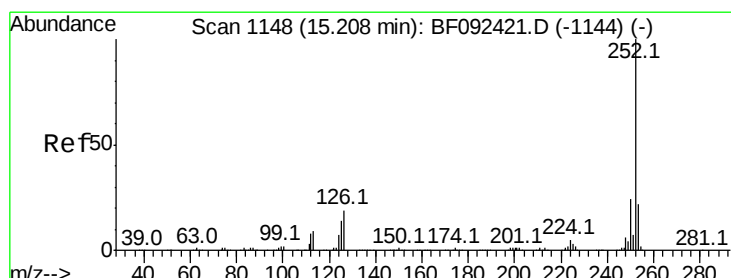
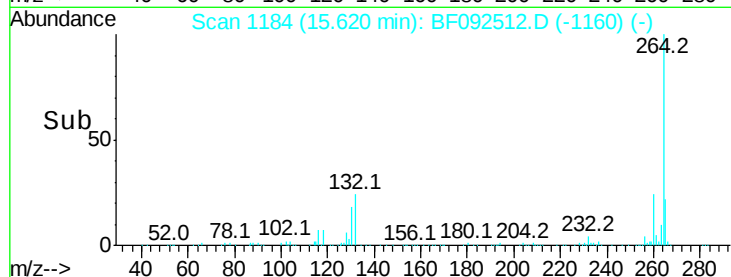
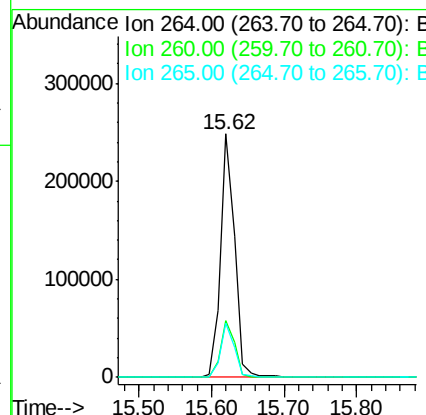
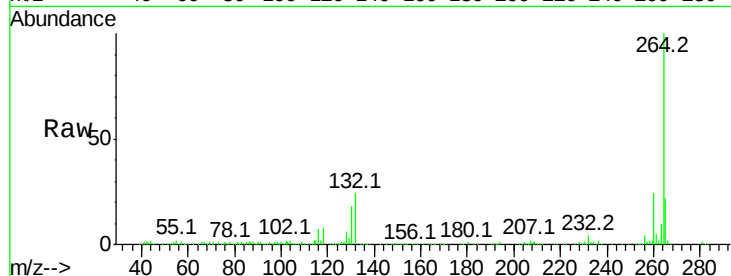




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF092512.D
Acq: 26 Jan 2017 9:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 335954
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.1 17.4 26.0



#88
Benzo(k)fluoranthene
Concen: 2.23 ng
RT: 15.19 min Scan# 1146
Delta R.T. -0.06 min
Lab File: BF092512.D
Acq: 26 Jan 2017 9:02

Tgt Ion:252 Resp: 40001
Ion Ratio Lower Upper
252 100
253 22.5 18.5 27.7
125 16.6 8.9 13.3#

