

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021517\
 Data File : BF092970.D
 Acq On : 16 Feb 2017 00:04
 Operator : SJ/MA
 Sample : I1859-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 02:45:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

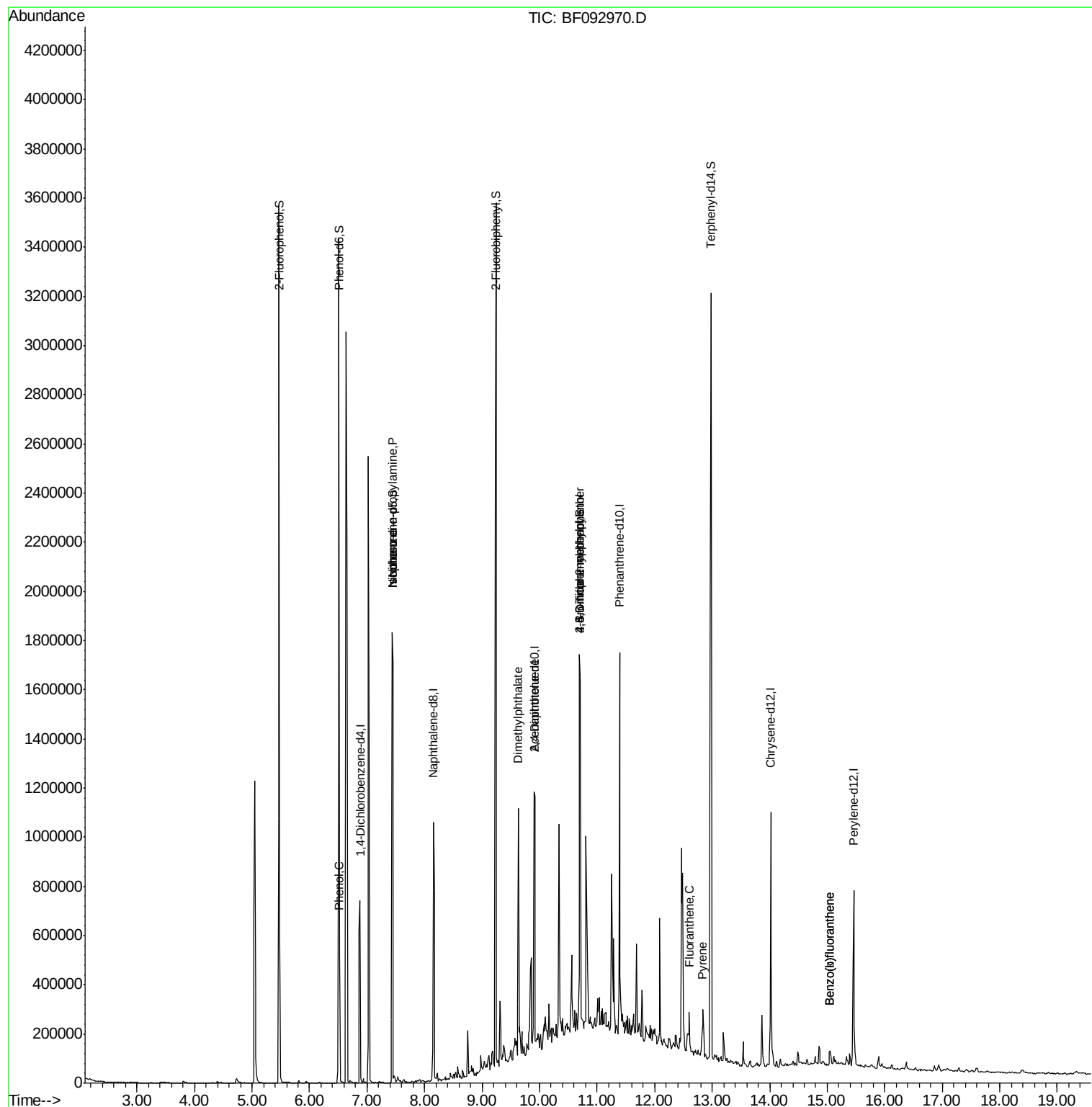
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	158639	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	636353	20.00	ng	-0.01
38) Acenaphthene-d10	9.92	164	341386	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	535898	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	366280	20.00	ng	-0.03
86) Perylene-d12	15.46	264	328435	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1021872	110.51	ng	-0.01
7) Phenol-d6	6.51	99	1268991	106.66	ng	-0.02
23) Nitrobenzene-d5	7.44	82	906056	79.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	291074	117.89	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1539530	81.70	ng	0.00
78) Terphenyl-d14	12.98	244	1193835	76.58	ng	-0.01
Target Compounds						
10) Phenol	6.52	94	35202	2.53	ng	# 77
19) n-Nitroso-di-n-propylamine	7.44	70	116495	15.38	ng	# 83
25) Isophorone	7.44	82	848120	39.83	ng	# 65
49) Dimethylphthalate	9.63	163	318833	13.87	ng	99
56) 2,4-Dinitrotoluene	9.92	165	46769	7.07	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.70	198	880	2.92	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	19969	3.57	ng	# 1
74) Fluoranthene	12.60	202	70939	2.24	ng	94
77) Pyrene	12.83	202	67475	2.46	ng	97
87) Benzo(b)fluoranthene	15.05	252	43629	2.02	ng	96
88) Benzo(k)fluoranthene	15.05	252	43629	2.34	ng	# 96

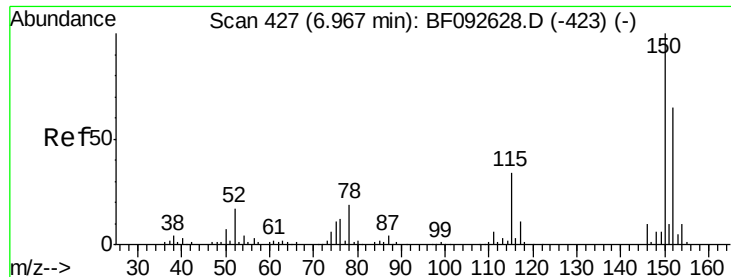
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

Instrument :

BNA_F

ClientSampled :

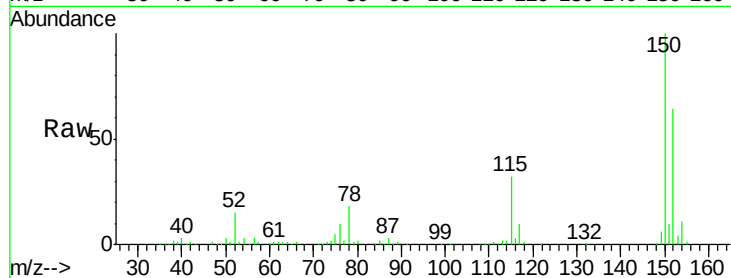
Tot Ion:152 Resp: 158639

Ion Ratio Lower Upper

152 100

150 155.2 124.9 187.3

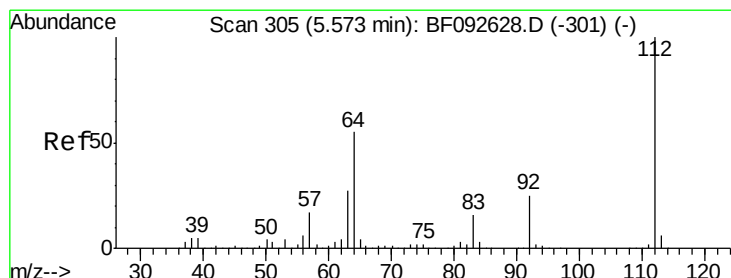
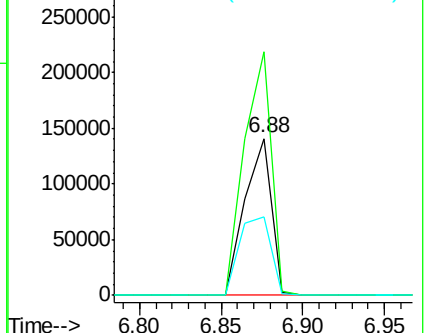
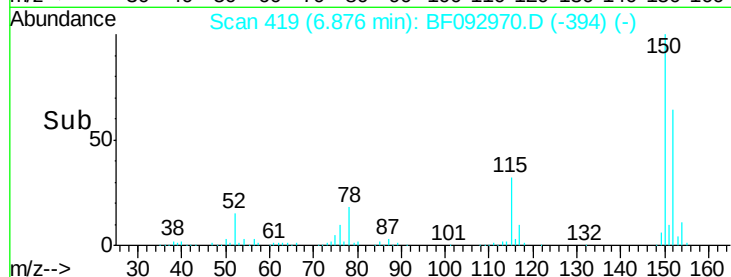
115 50.4 46.0 69.0



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: 110.51 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.01 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

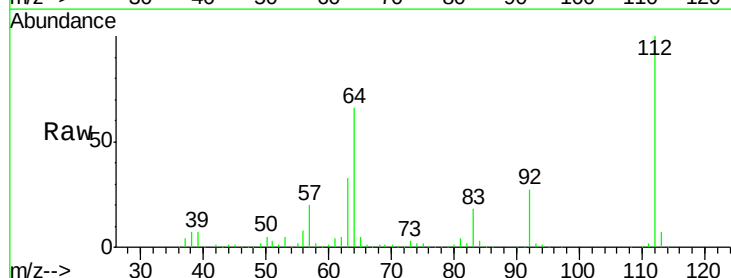
Tgt Ion:112 Resp: 1021872

Ion Ratio Lower Upper

112 100

64 66.5 46.1 69.1

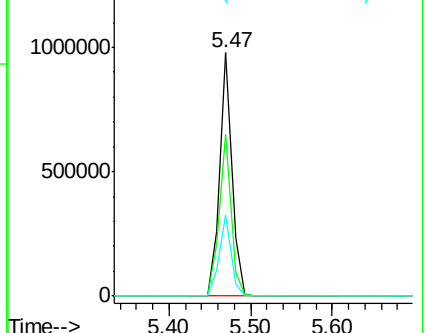
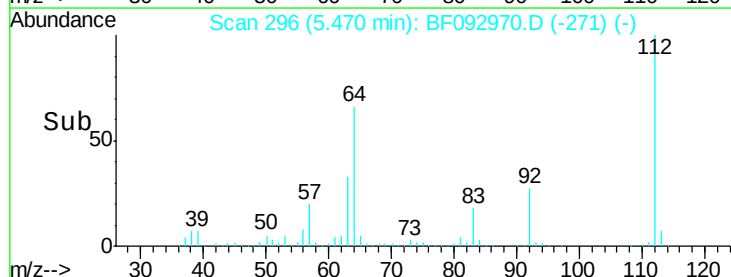
63 33.3 23.8 35.6

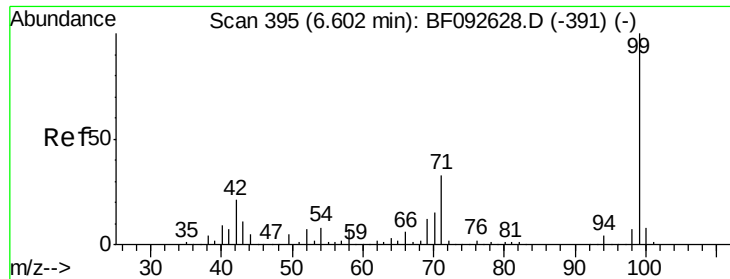


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.66 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

Instrument :

BNA_F

ClientSampleId :

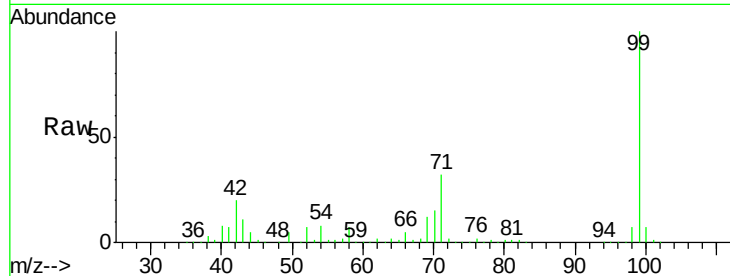
Tot Ion: 99 Resp: 1268991

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

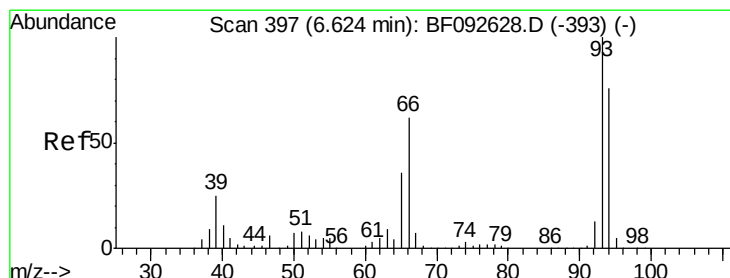
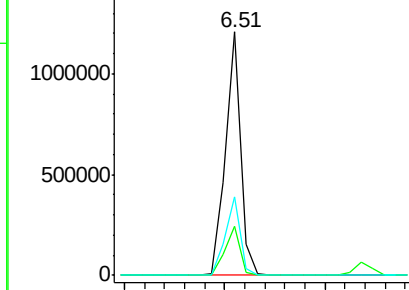
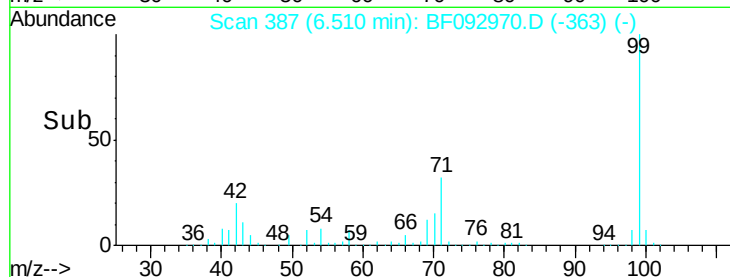
71 32.4 27.5 41.3



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



#10

Phenol

Concen: 2.53 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

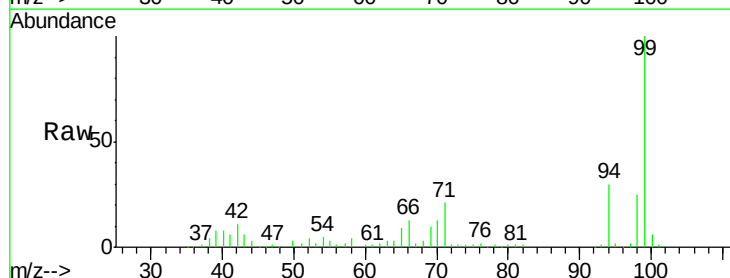
Tgt Ion: 94 Resp: 35202

Ion Ratio Lower Upper

94 100

65 30.7 21.4 61.4

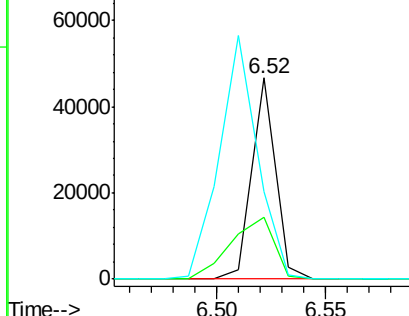
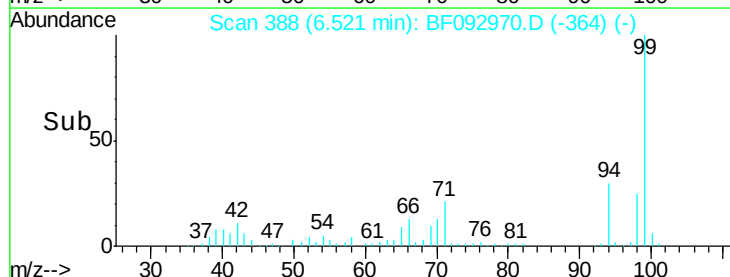
66 43.3 44.0 84.0#

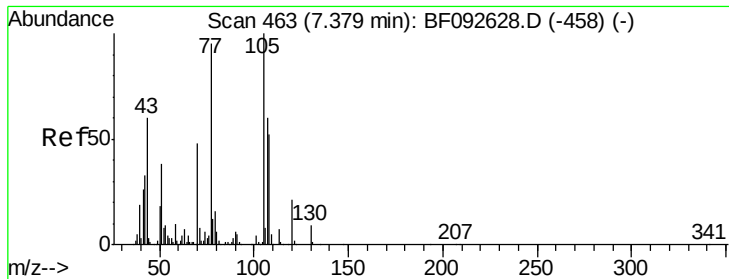


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

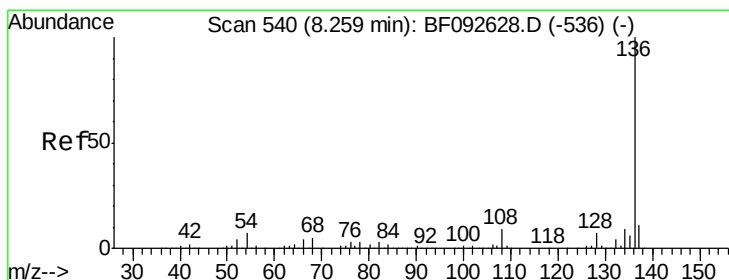
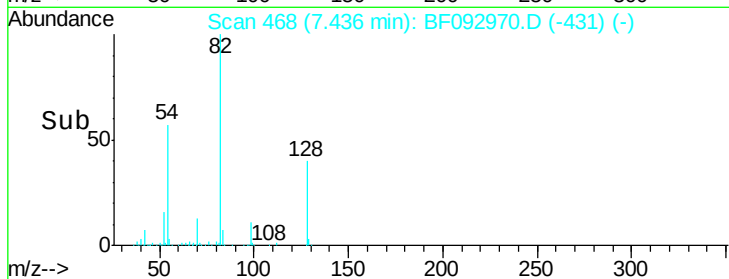
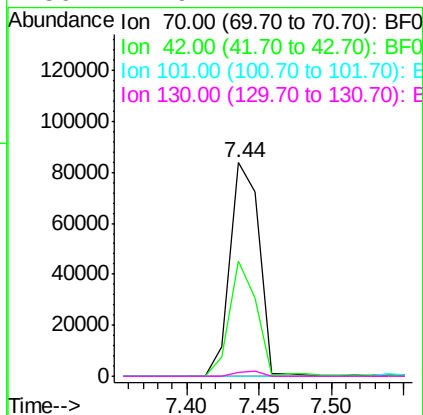
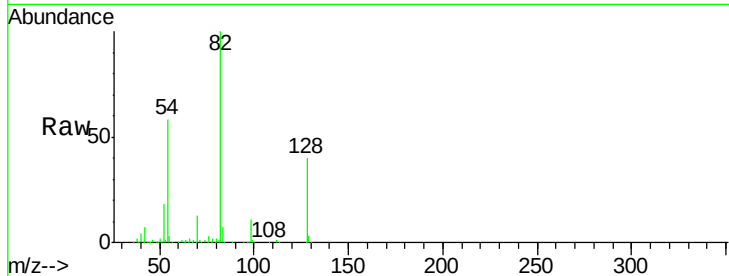




#19
n-Nitroso-di-n-propylamine
Concen: 15.38 ng
RT: 7.44 min Scan# 468
Delta R.T. 0.13 min
Lab File: BF092970.D
Acq: 16 Feb 2017 00:04

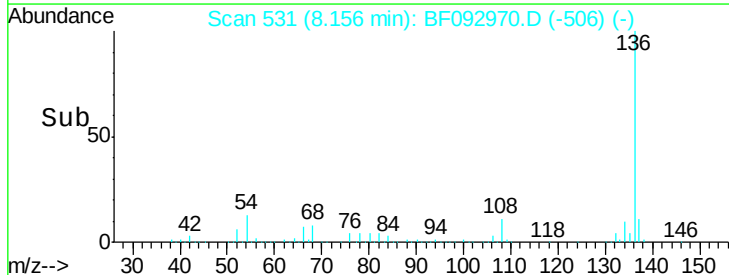
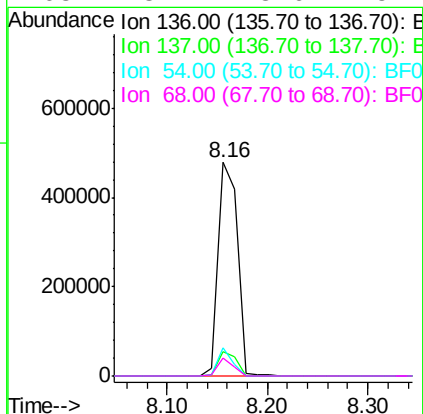
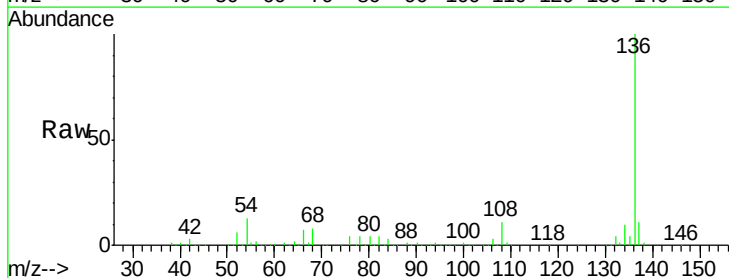
Instrument :
BNA_F
ClientSampleId :

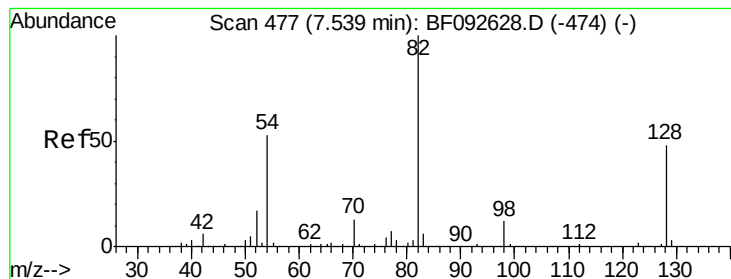
Tot Ion: 70 Resp: 116495
Ion Ratio Lower Upper
70 100
42 54.2 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF092970.D
Acq: 16 Feb 2017 00:04

Tgt Ion: 136 Resp: 636353
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 13.1 4.5 6.7#
68 8.4 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 79.29 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

Instrument :

BNA_F

ClientSampled :

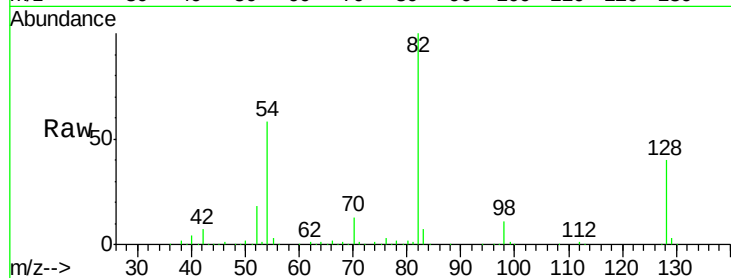
Tot Ion: 82 Resp: 906056

Ion Ratio Lower Upper

82 100

128 39.6 34.6 52.0

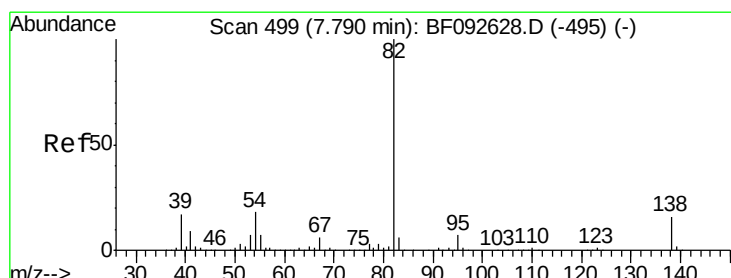
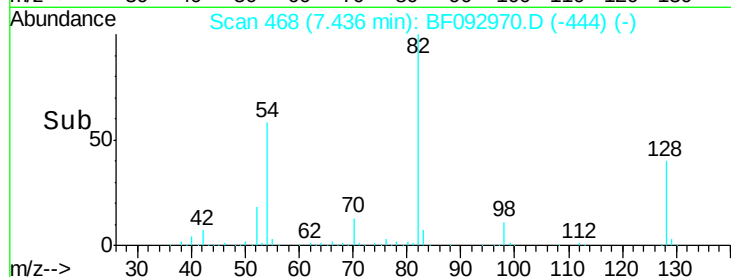
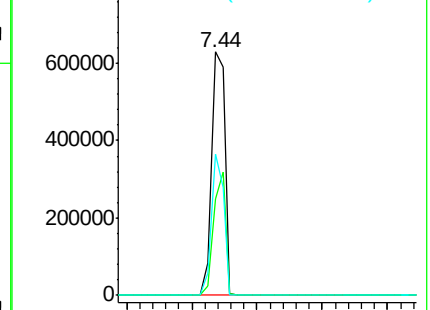
54 58.0 39.5 59.3



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: 39.83 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.27 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

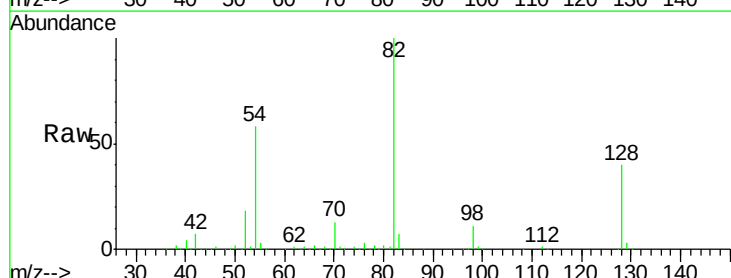
Tgt Ion: 82 Resp: 848120

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

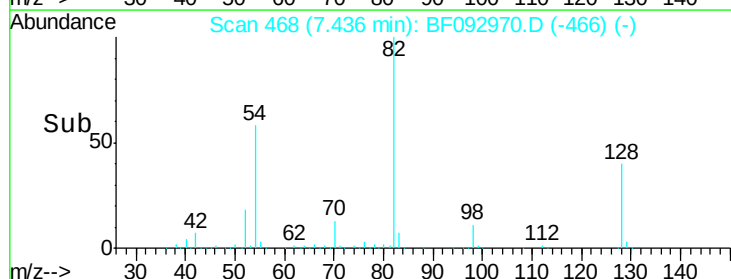
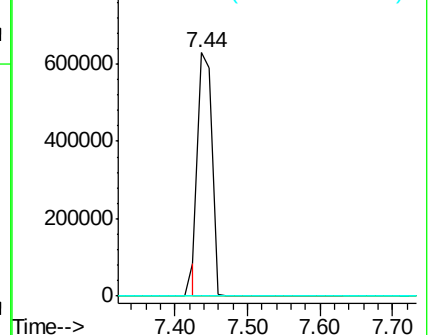
138 0.0 14.6 22.0#

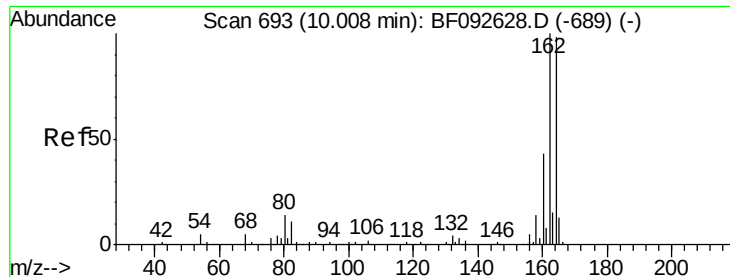


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

Instrument :

BNA_F

ClientSampleId :

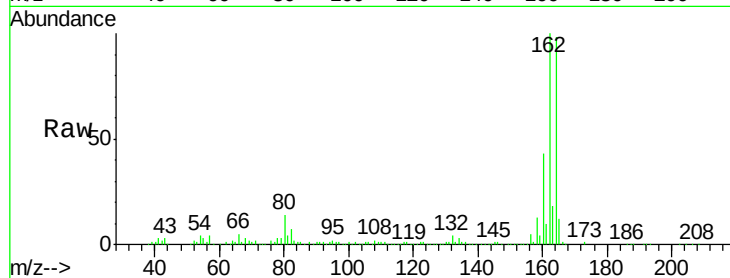
Tot Ion:164 Resp: 341386

Ion Ratio Lower Upper

164 100

162 101.9 80.2 120.2

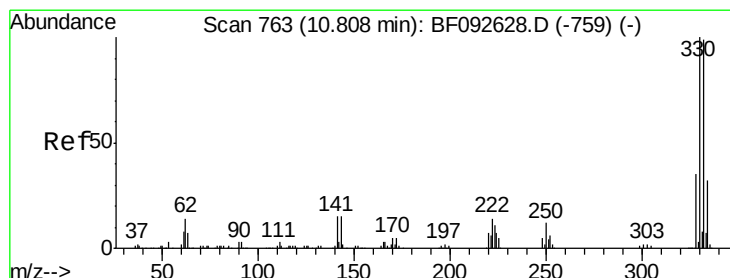
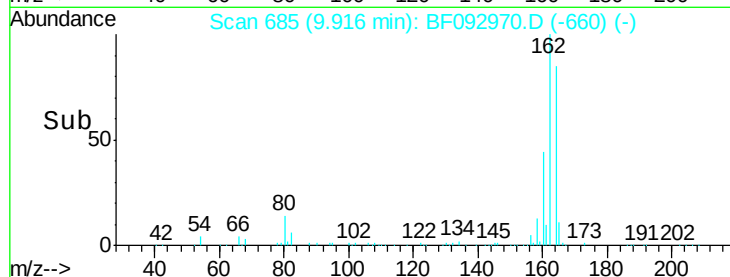
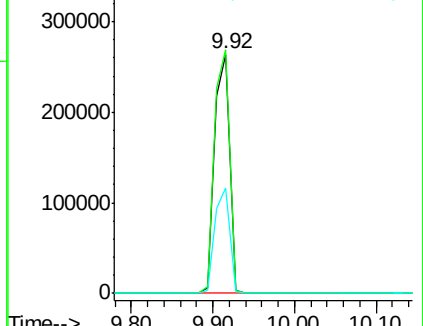
160 44.0 36.9 55.3



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: 117.89 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

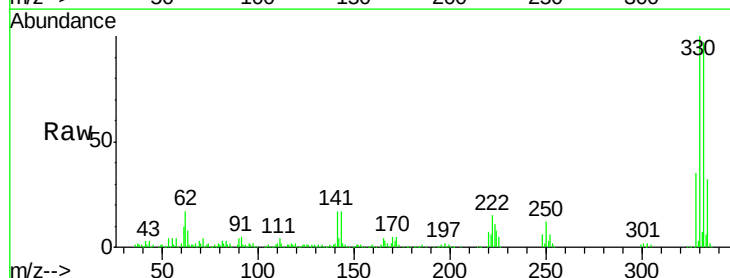
Tgt Ion:330 Resp: 291074

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.2

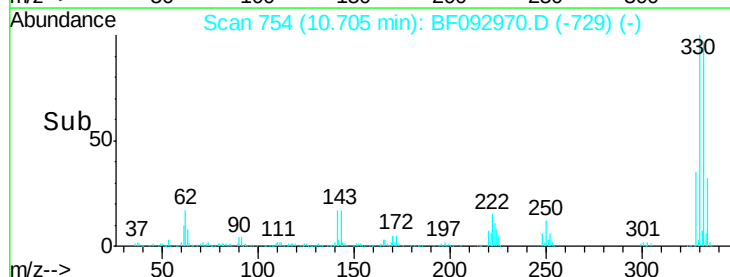
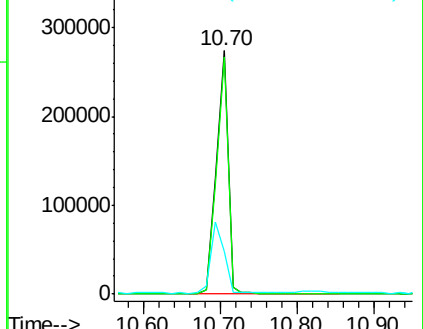
141 33.3 34.1 51.1#

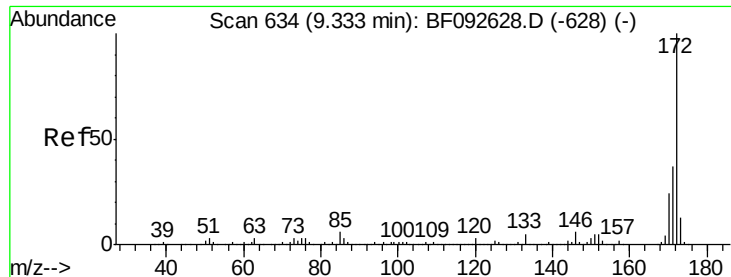


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

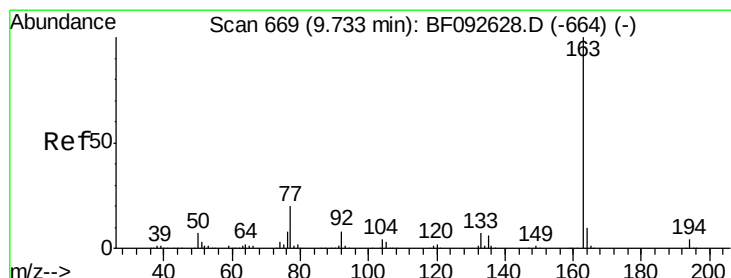
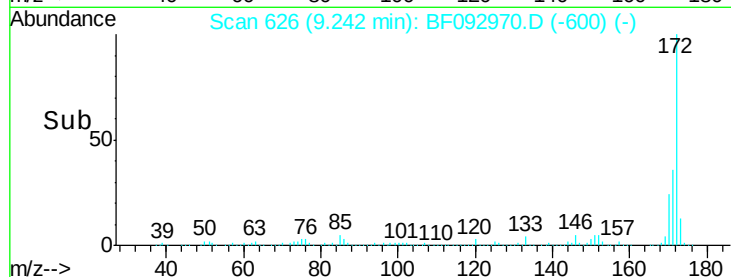
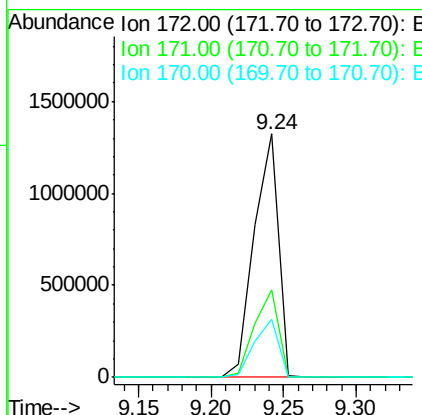
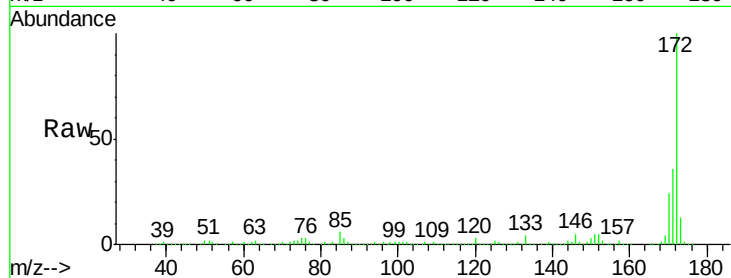




#44
2-Fluorobiphenyl
Concen: 81.70 ng
RT: 9.24 min Scan# 626
Delta R.T. -0.00 min
Lab File: BF092970.D
Acq: 16 Feb 2017 00:04

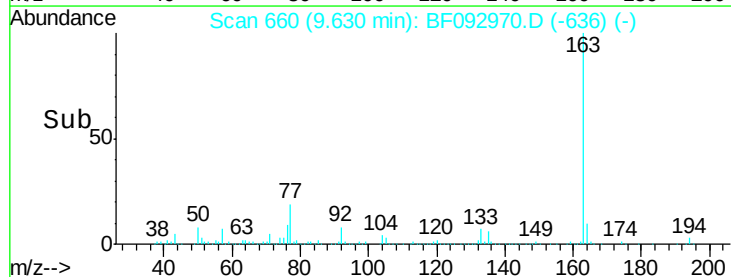
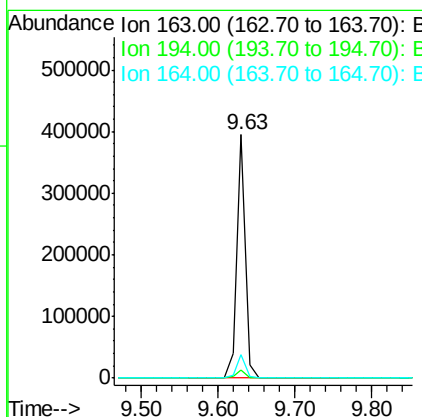
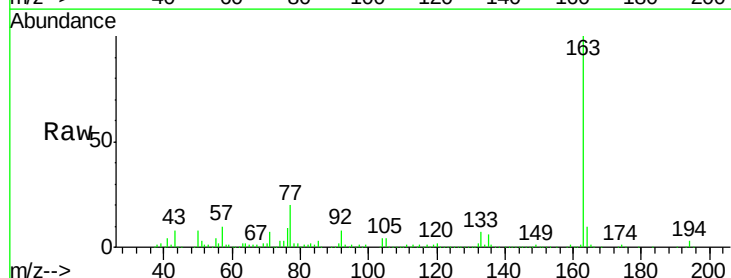
Instrument :
BNA_F
ClientSampleId :

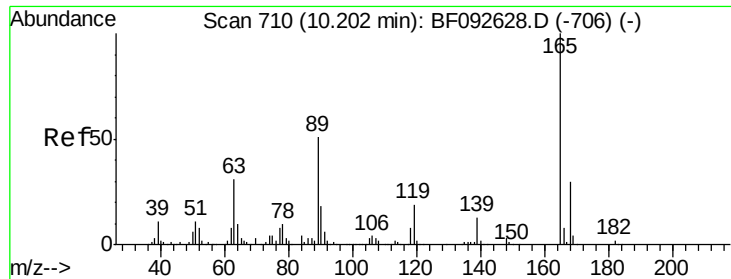
Tot Ion:172 Resp: 1539530
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 23.9 20.2 30.4



#49
Dimethylphthalate
Concen: 13.87 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF092970.D
Acq: 16 Feb 2017 00:04

Tgt Ion:163 Resp: 318833
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 9.8 8.0 12.0

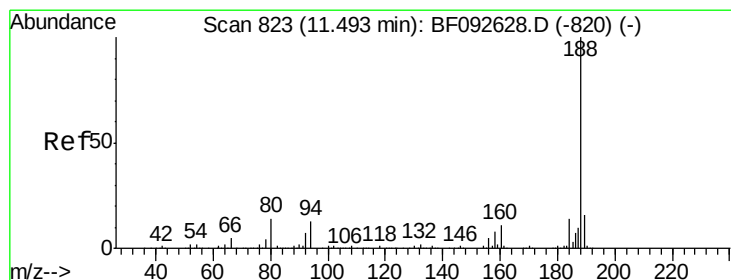
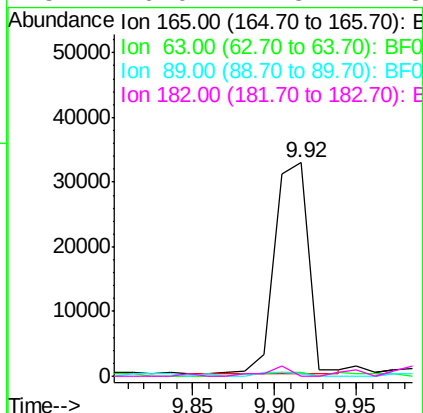
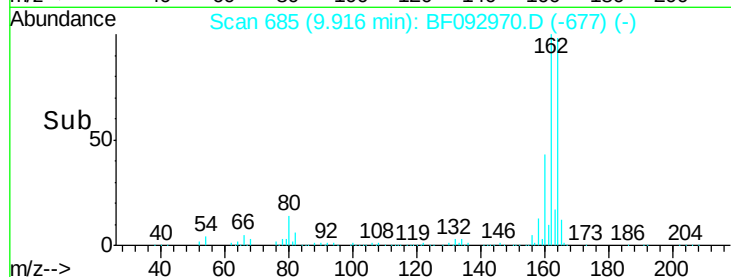
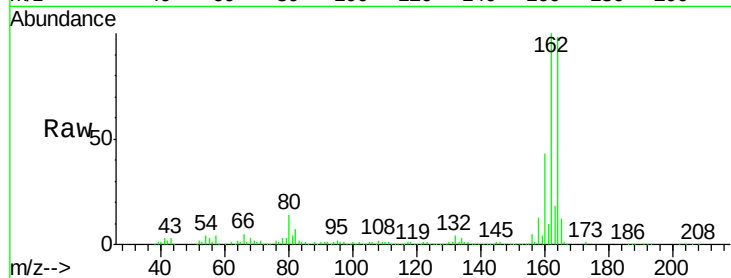




#56
 2,4-Dinitrotoluene
 Concen: 7.07 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.21 min
 Lab File: BF092970.D
 Acq: 16 Feb 2017 00:04

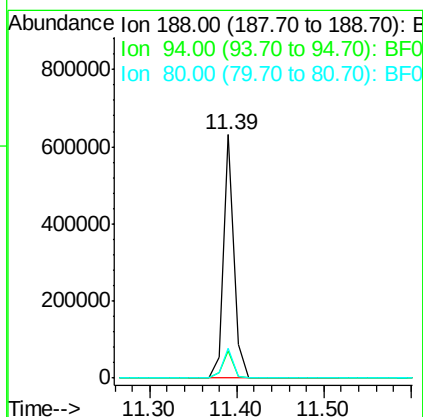
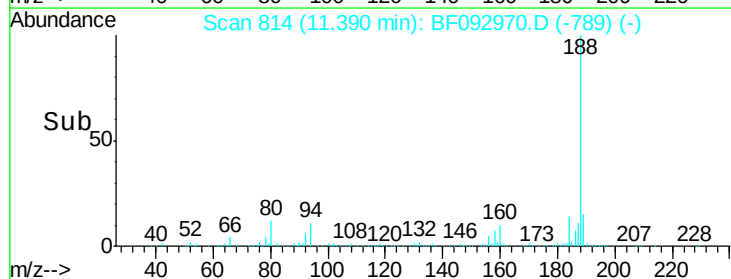
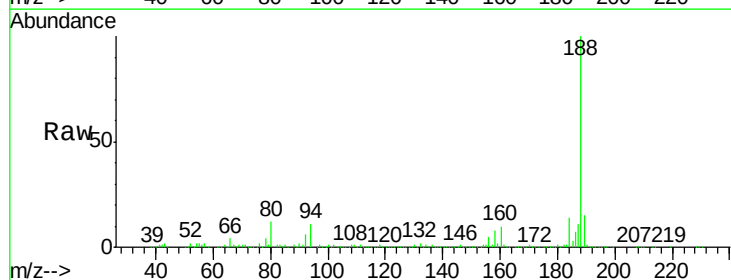
Instrument :
 BNA_F
 ClientSampled :

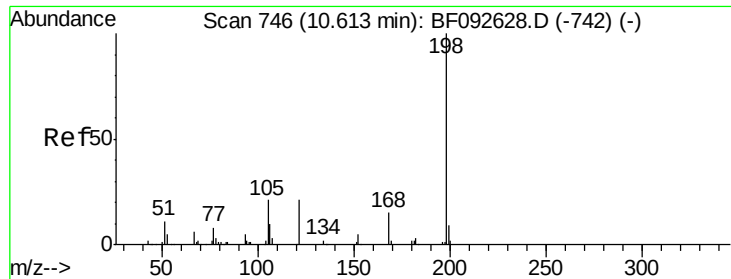
Tot Ion:165	Resp:	46769
Ion Ratio	Lower	Upper
165	100	
63	1.5	40.2 60.4#
89	1.4	62.5 93.7#
182	0.0	1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF092970.D
 Acq: 16 Feb 2017 00:04

Tgt Ion:188	Resp:	535898
Ion Ratio	Lower	Upper
188	100	
94	11.3	10.0 15.0
80	12.1	11.2 16.8





#64

4,6-Dinitro-2-methylphenol

Concen: 2.92 ng

RT: 10.70 min Scan# 754

Delta R.T. 0.17 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

Instrument :

BNA_F

ClientSampleId :

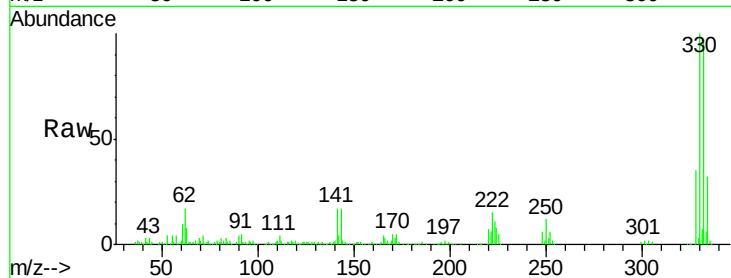
Tot Ion:198 Resp: 880

Ion Ratio Lower Upper

198 100

51 139.3 6.7 46.7#

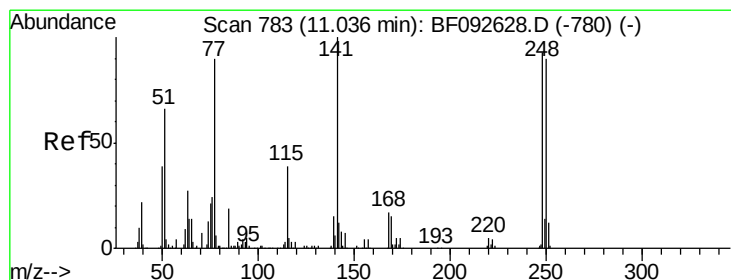
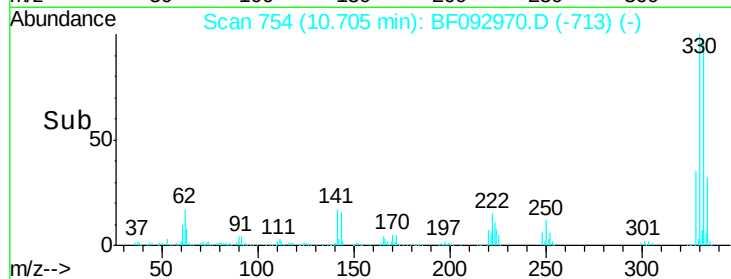
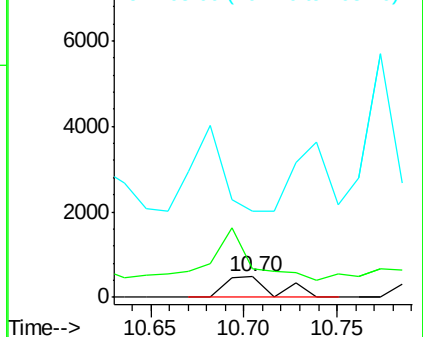
105 420.6 16.6 56.6#



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: 3.57 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

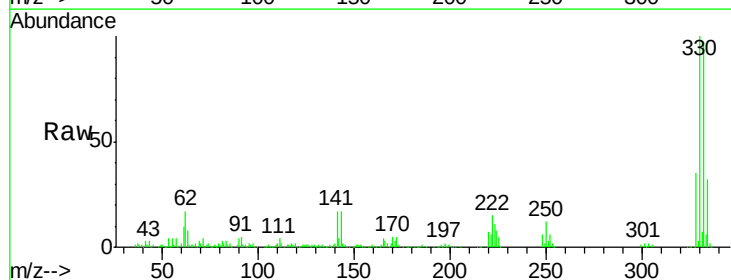
Tgt Ion:248 Resp: 19969

Ion Ratio Lower Upper

248 100

250 199.5 76.9 115.3#

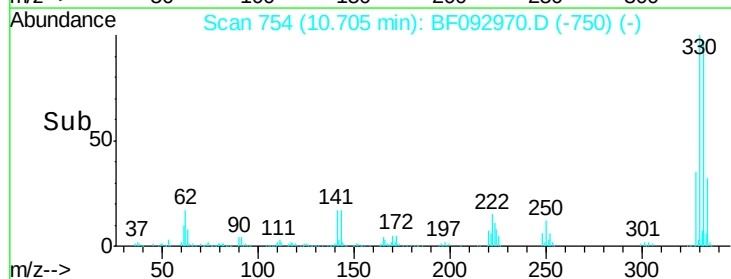
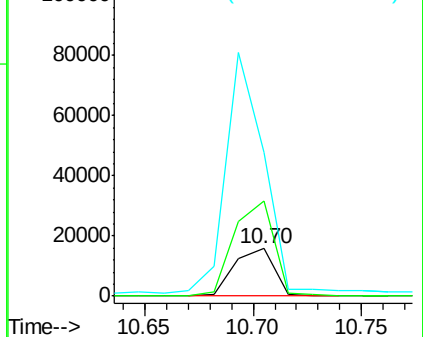
141 301.6 68.2 102.4#

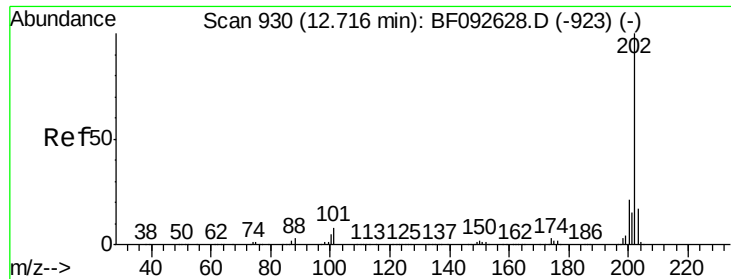


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.24 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

Instrument :

BNA_F

ClientSampled :

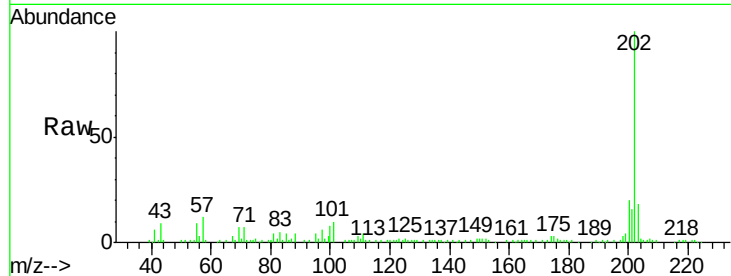
Tot Ion:202 Resp: 70939

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.6

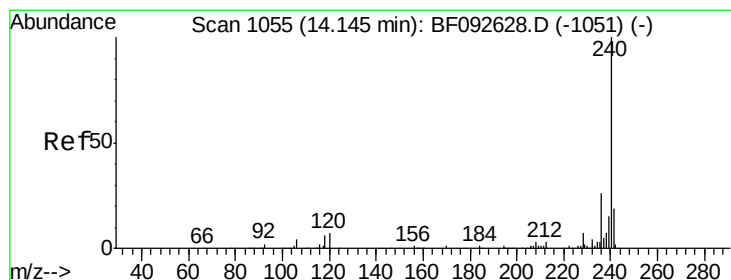
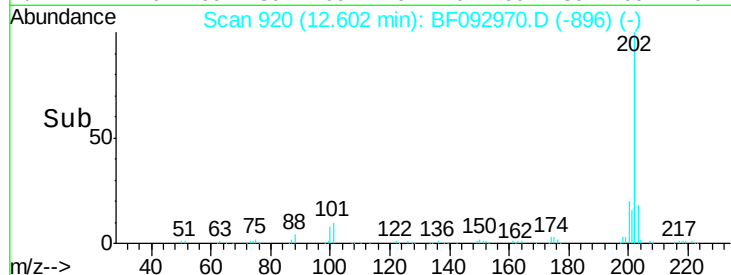
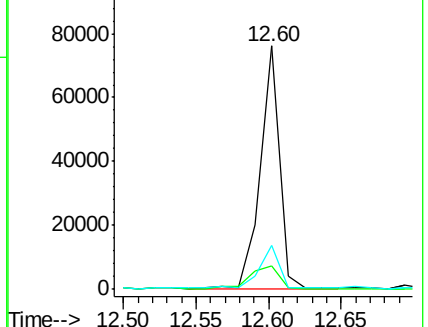
203 17.9 0.0 38.7



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: 14.02 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

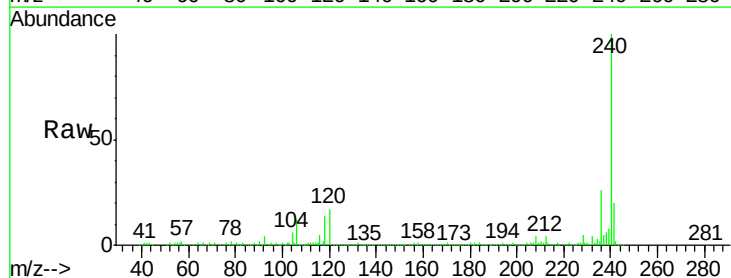
Tgt Ion:240 Resp: 366280

Ion Ratio Lower Upper

240 100

120 16.5 12.9 19.3

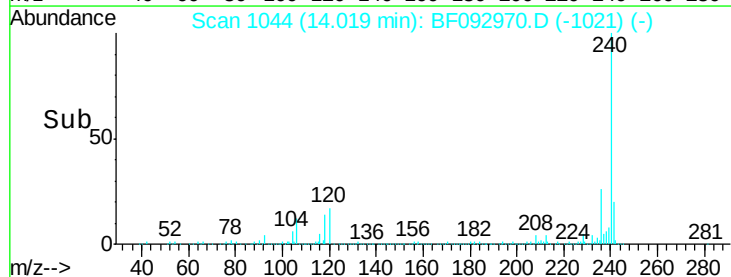
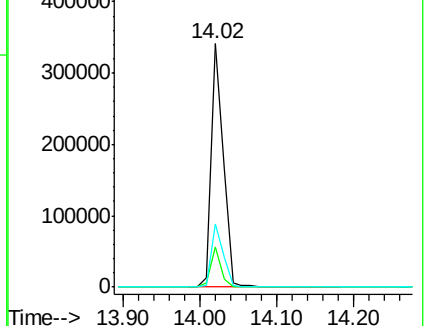
236 26.1 20.9 31.3

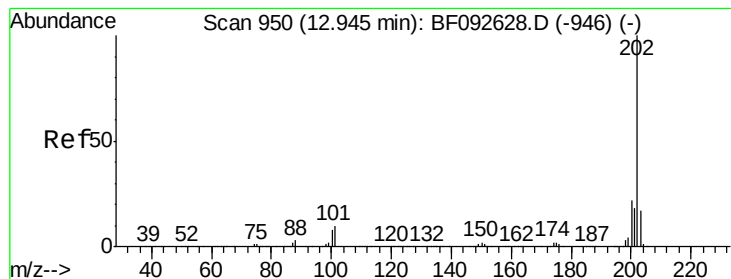


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.46 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

Instrument :

BNA_F

ClientSampleId :

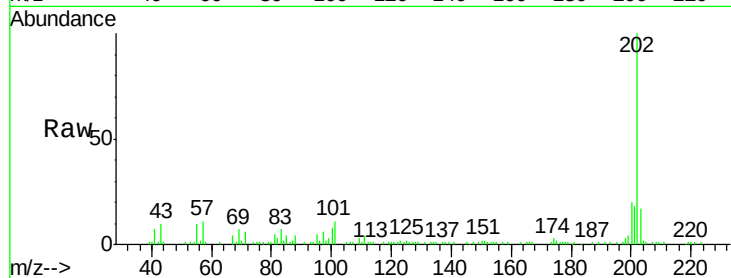
Tot Ion:202 Resp: 67475

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

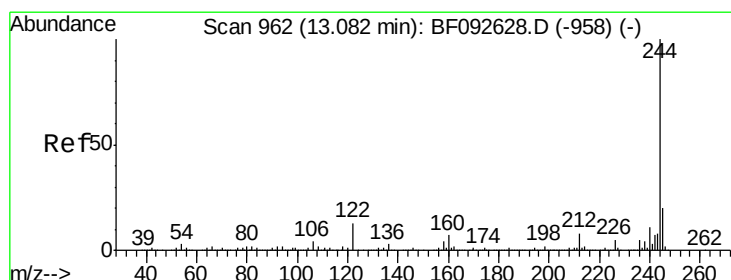
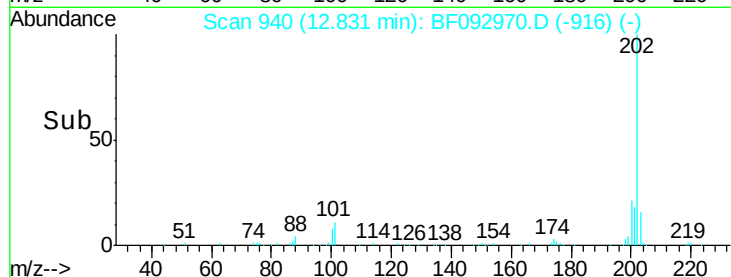
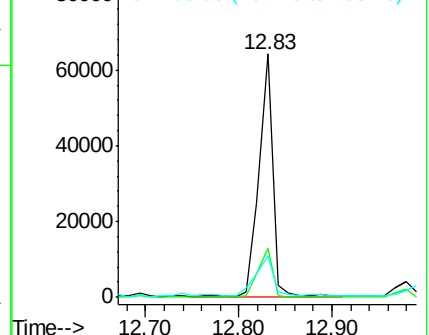
203 16.9 14.7 22.1



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: 76.58 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF092970.D

Acq: 16 Feb 2017 00:04

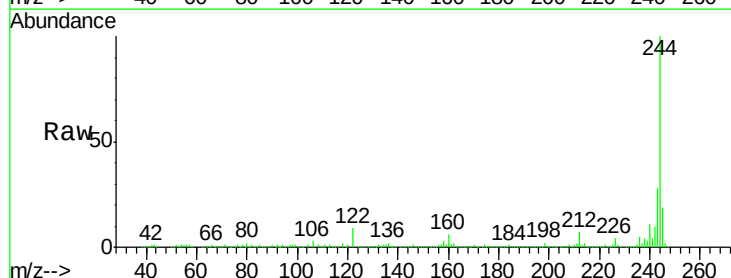
Tgt Ion:244 Resp: 1193835

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

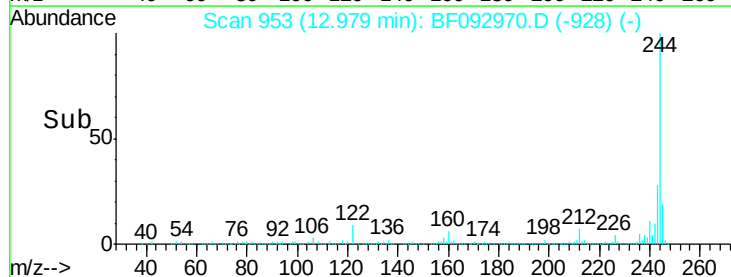
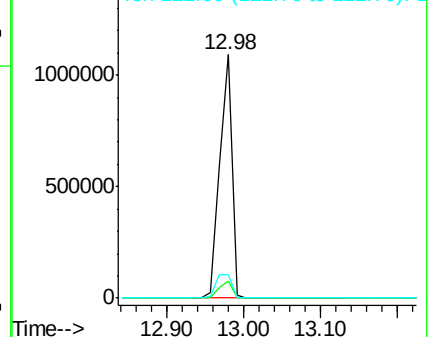
122 9.4 11.4 17.2

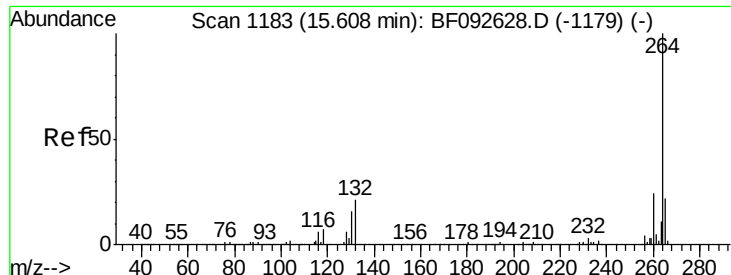


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

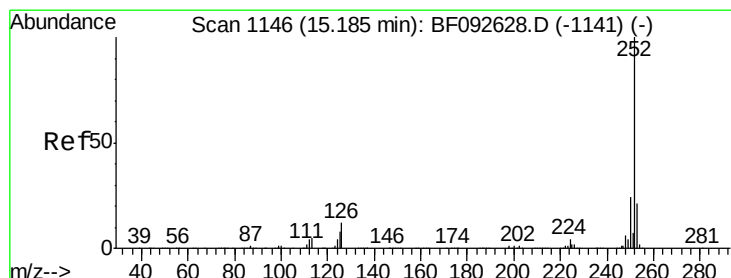
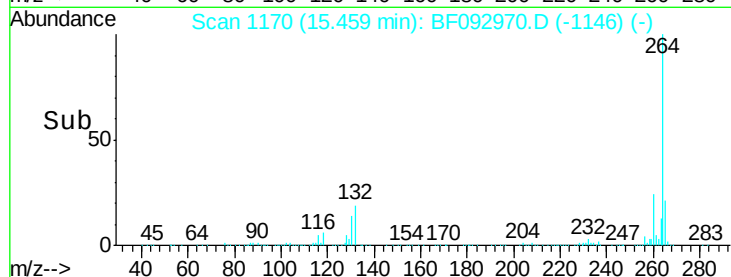
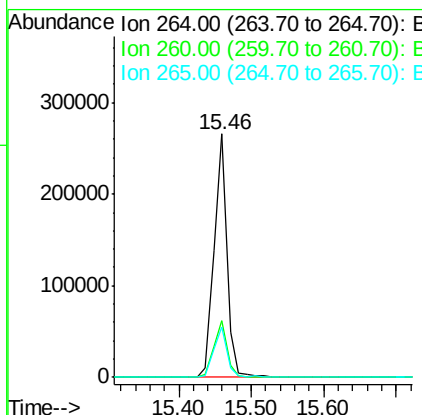
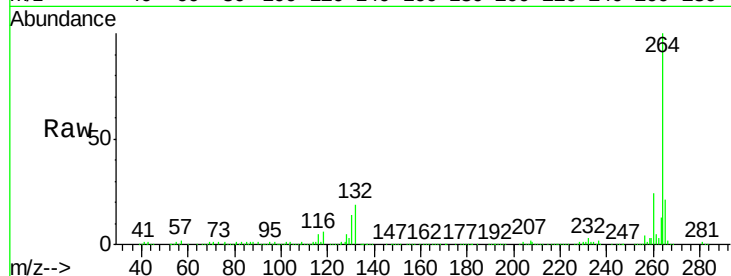




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF092970.D
Acq: 16 Feb 2017 00:04

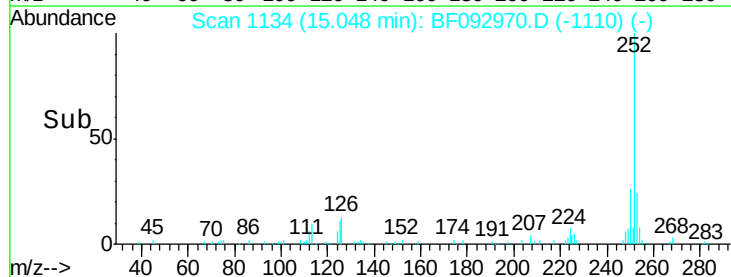
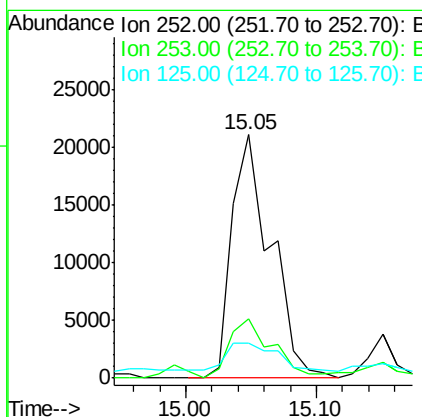
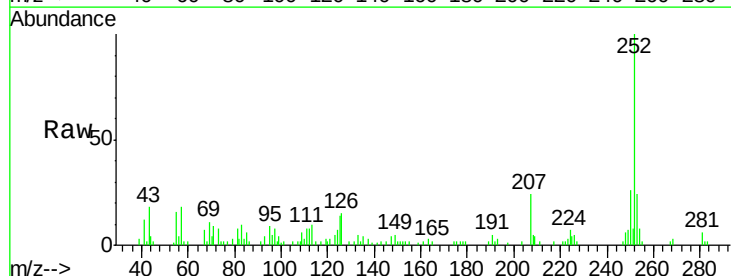
Instrument :
BNA_F
ClientSampleId :

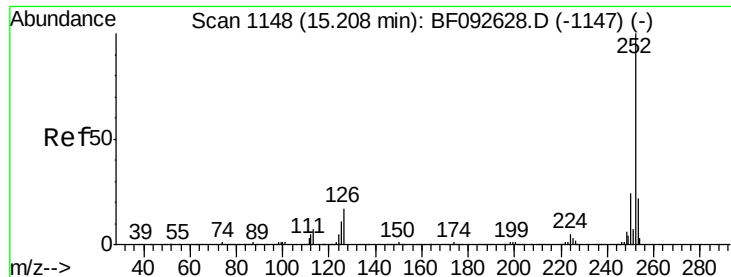
Tot Ion:264 Resp: 328435
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 20.6 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.02 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF092970.D
Acq: 16 Feb 2017 00:04

Tgt Ion:252 Resp: 43629
Ion Ratio Lower Upper
252 100
253 24.1 18.2 27.4
125 14.4 9.8 14.6





#88
 Benzo(k)fluoranthene
 Concen: 2.34 ng
 RT: 15.05 min Scan# 1134
 Delta R.T. -0.06 min
 Lab File: BF092970.D
 Acq: 16 Feb 2017 00:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.5	27.7
125	14.4	8.9	13.3

