

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022817\
 Data File : BF093246.D
 Acq On : 28 Feb 2017 14:08
 Operator : SJ/MA
 Sample : I1998-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 14:32:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

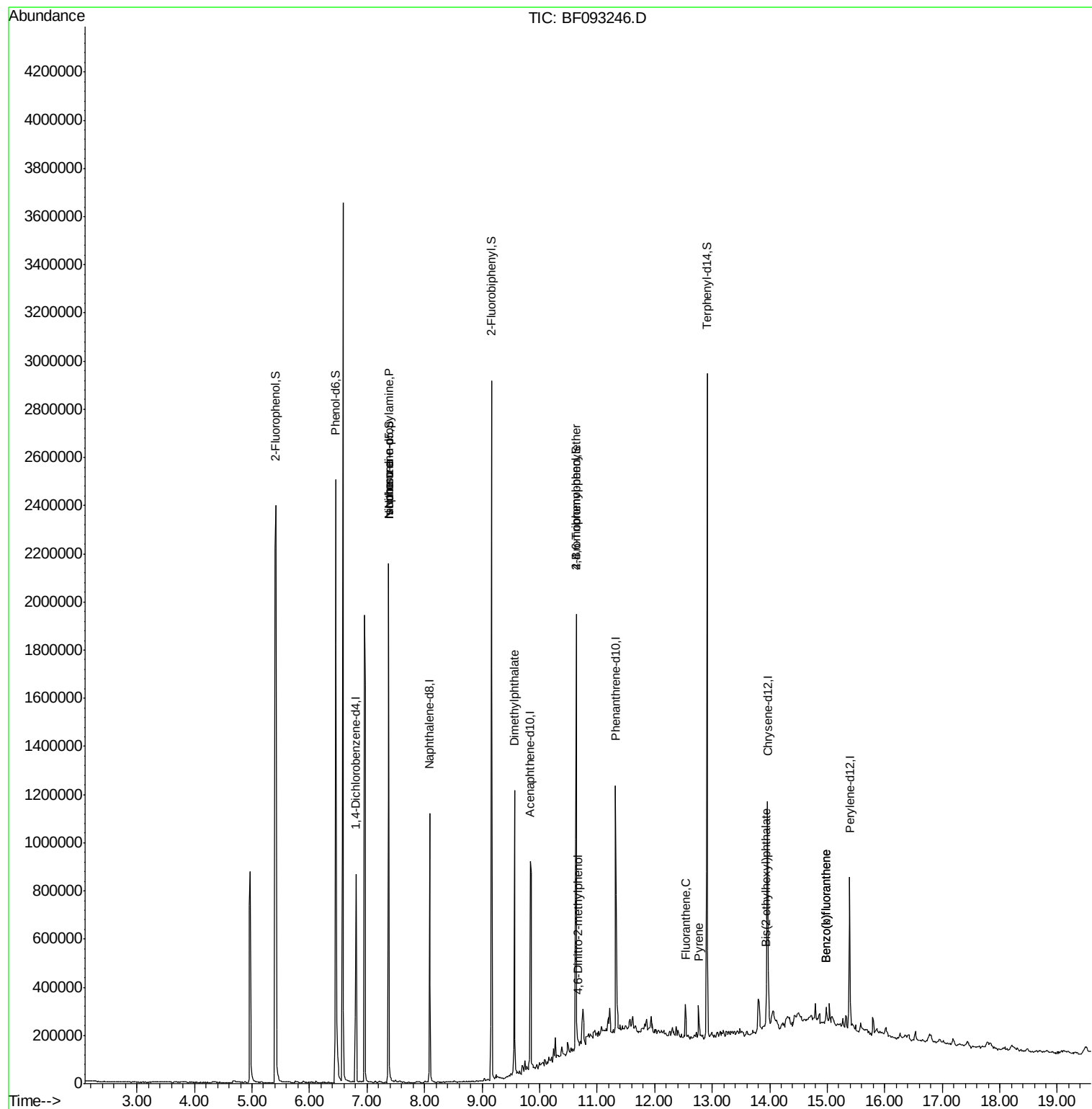
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	138582	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	529560	20.00	ng	-0.06
38) Acenaphthene-d10	9.84	164	247970	20.00	ng	-0.06
63) Phenanthrene-d10	11.32	188	448468	20.00	ng	-0.06
75) Chrysene-d12	13.96	240	302481	20.00	ng	-0.06
86) Perylene-d12	15.39	264	298312	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	991161	122.70	ng	-0.03
7) Phenol-d6	6.45	99	1220069	117.39	ng	-0.03
23) Nitrobenzene-d5	7.38	82	821372	86.37	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	222494	124.06	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1151383	84.12	ng	-0.06
78) Terphenyl-d14	12.91	244	850772	66.09	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	107411	16.23	ng	# 78
25) Isophorone	7.38	82	815383	46.01	ng	# 65
49) Dimethylphthalate	9.56	163	437414	26.19	ng	99
64) 4,6-Dinitro-2-methylphenol	10.66	198	1563	3.21	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	16882	3.60	ng	# 1
74) Fluoranthene	12.53	202	65480	2.47	ng	96
77) Pyrene	12.76	202	65844	2.91	ng	99
83) Bis(2-ethylhexyl)phthalate	13.94	149	43563	3.47	ng	98
87) Benzo(b)fluoranthene	14.98	252	45072	2.30	ng	# 90
88) Benzo(k)fluoranthene	14.98	252	45072	2.66	ng	# 89

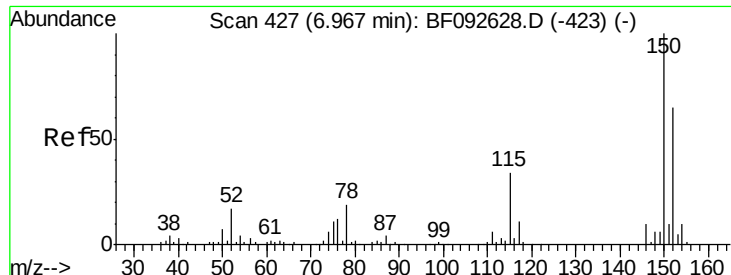
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA_F

ClientSampleId :

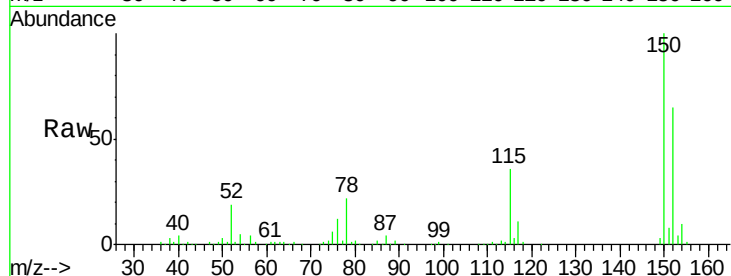
Tot Ion:152 Resp: 138582

Ion Ratio Lower Upper

152 100

150 152.9 124.9 187.3

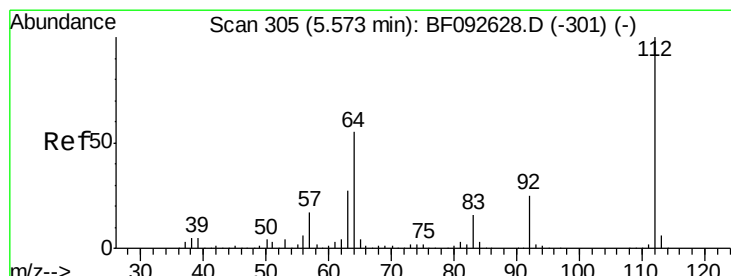
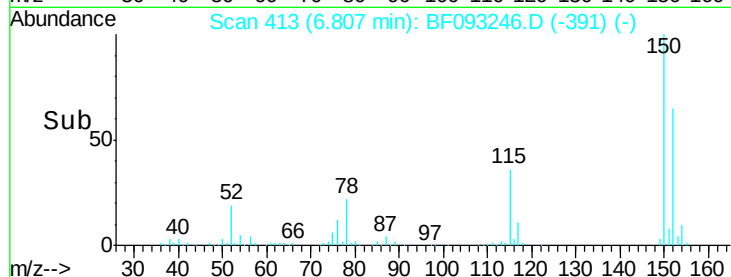
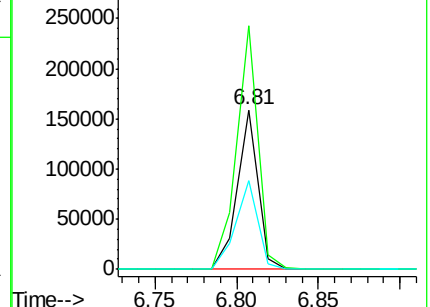
115 55.6 46.0 69.0



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: 122.70 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.03 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

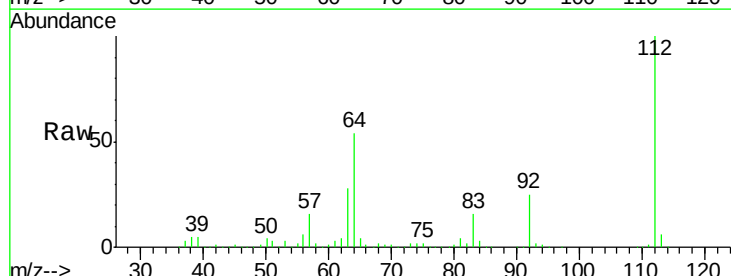
Tgt Ion:112 Resp: 991161

Ion Ratio Lower Upper

112 100

64 54.3 46.1 69.1

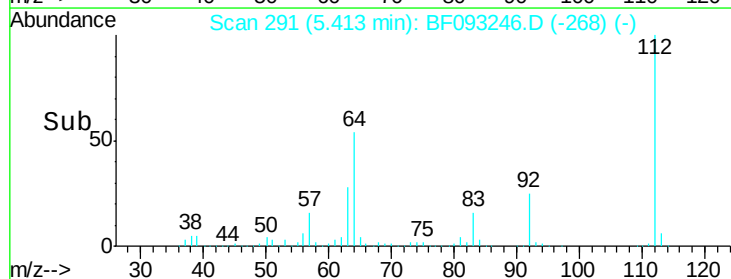
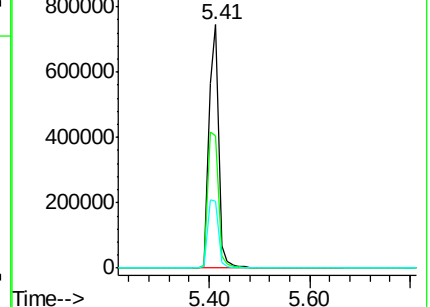
63 27.6 23.8 35.6

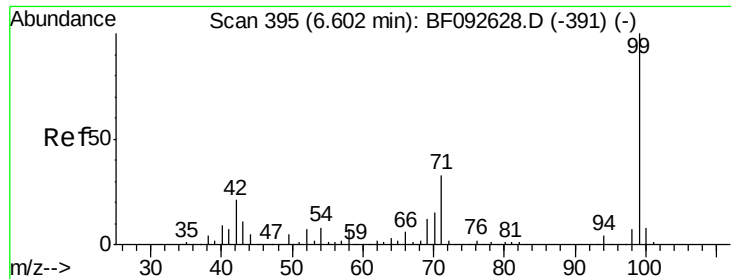


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.39 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA_F

ClientSampleId :

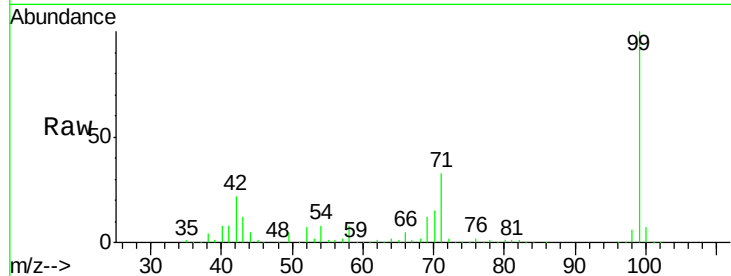
Tot Ion: 99 Resp: 1220069

Ion Ratio Lower Upper

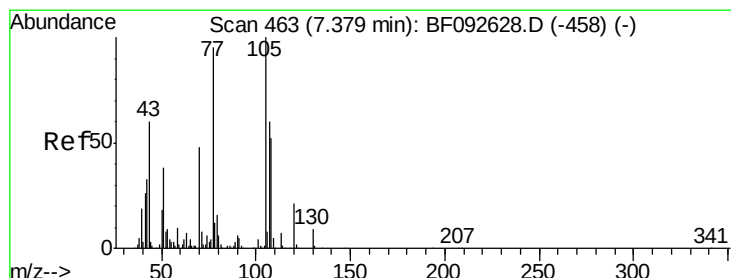
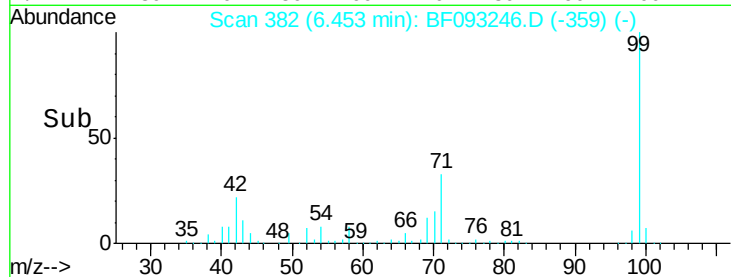
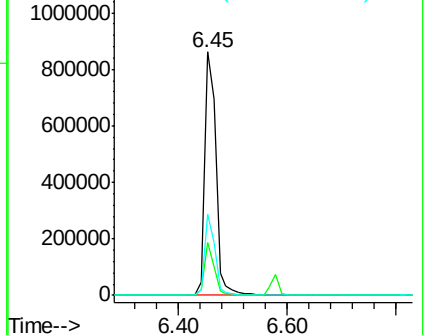
99 100

42 21.6 15.6 23.4

71 33.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.23 ng

RT: 7.38 min Scan# 463

Delta R.T. 0.10 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Tgt Ion: 70 Resp: 107411

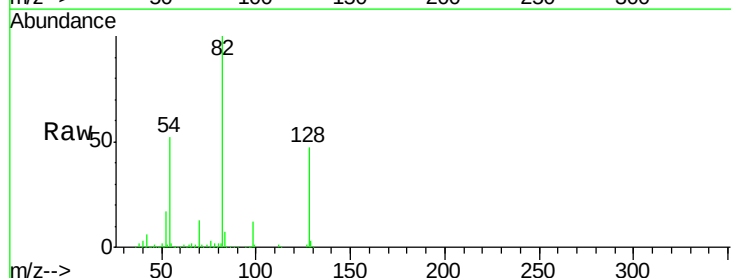
Ion Ratio Lower Upper

70 100

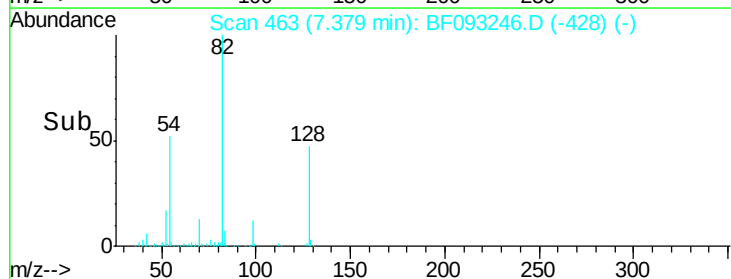
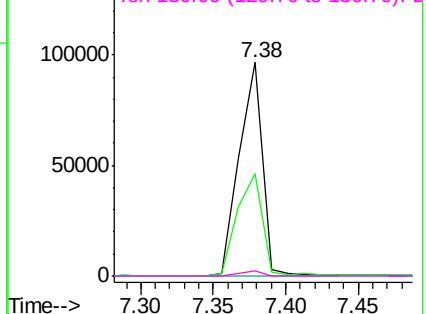
42 48.0 49.4 74.0#

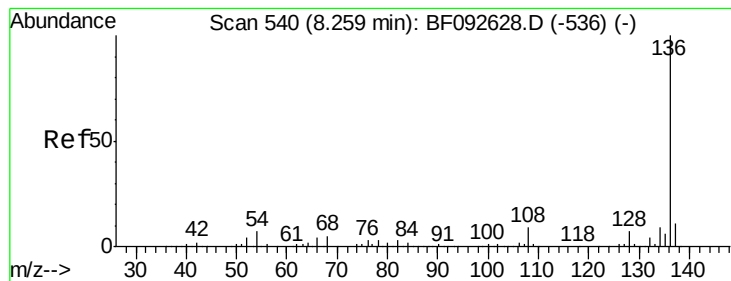
101 0.0 7.4 11.2#

130 2.6 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): BF0
Ion 130.00 (129.70 to 130.70): BF0

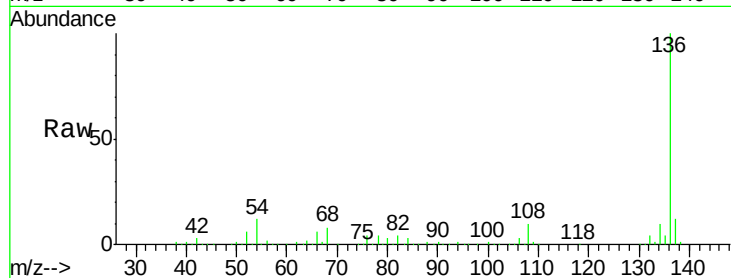




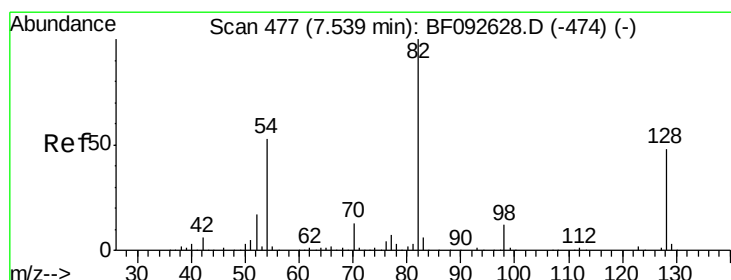
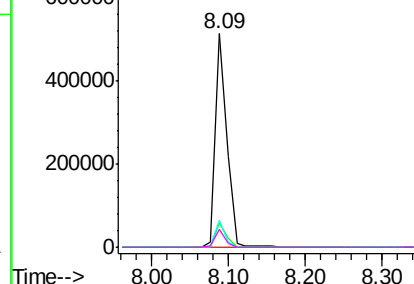
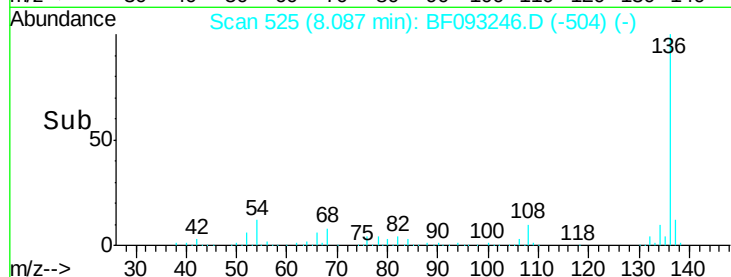
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.06 min
Lab File: BF093246.D
Acq: 28 Feb 2017 14:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	529560
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.4	12.6
54	12.4	4.5	6.7#
68	8.4	3.6	5.4#

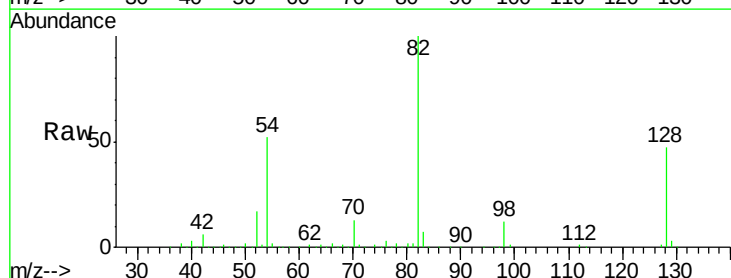


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

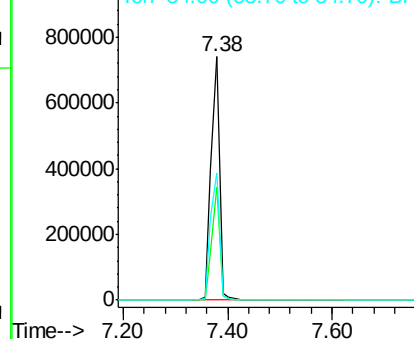
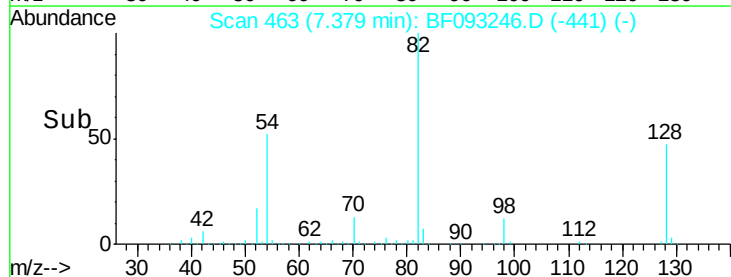


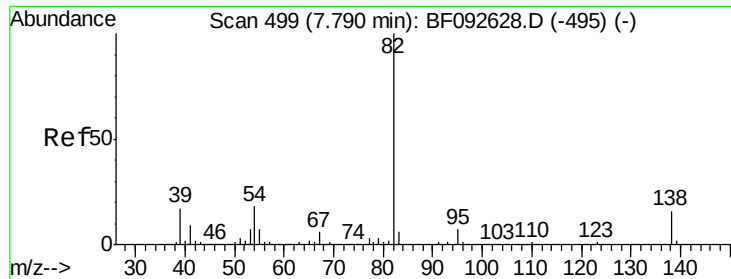
#23
Nitrobenzene-d5
Concen: 86.37 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093246.D
Acq: 28 Feb 2017 14:08

Tgt Ion:	82	Resp:	821372
Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.6	52.0
54	52.4	39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
1000000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.01 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.31 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA_F

ClientSampled :

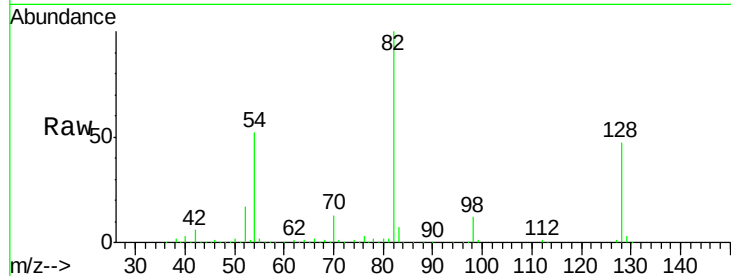
Tot Ion: 82 Resp: 815383

Ion Ratio Lower Upper

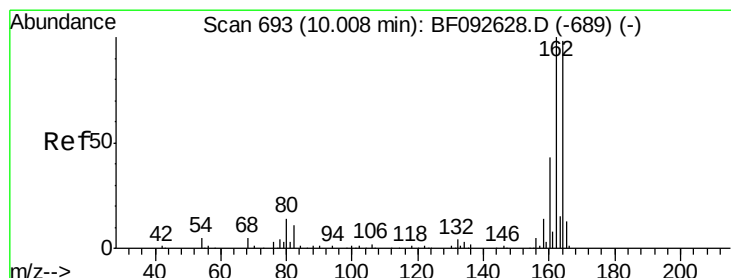
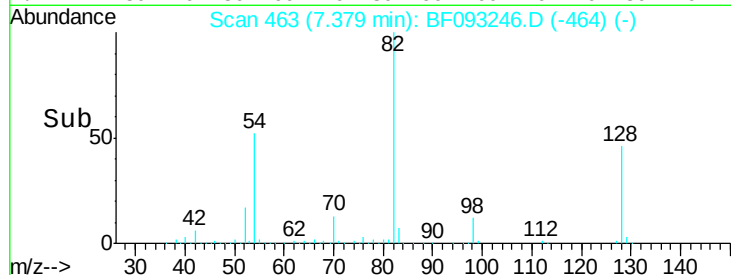
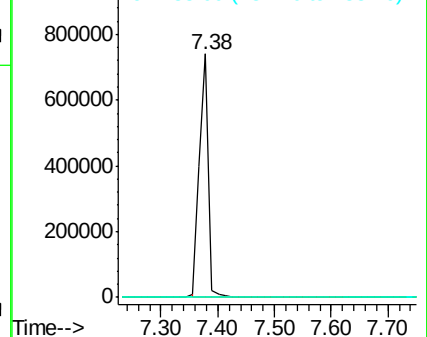
82 100

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: 9.84 min Scan# 678

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

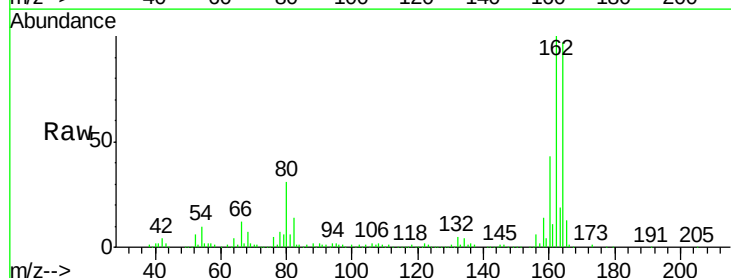
Tgt Ion:164 Resp: 247970

Ion Ratio Lower Upper

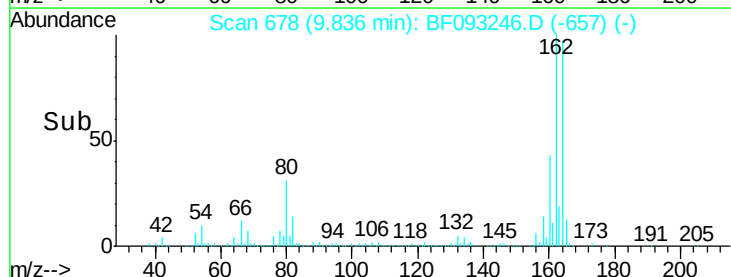
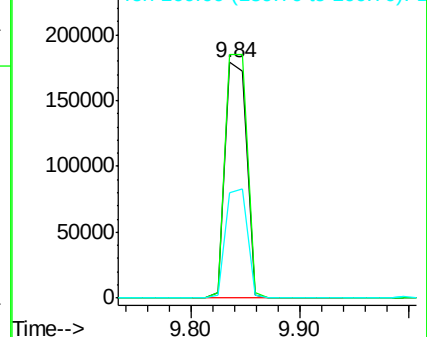
164 100

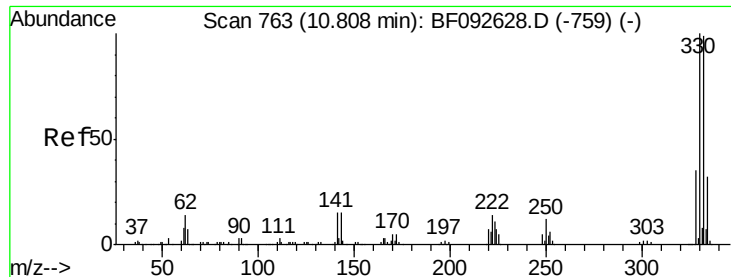
162 103.1 80.2 120.2

160 44.5 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

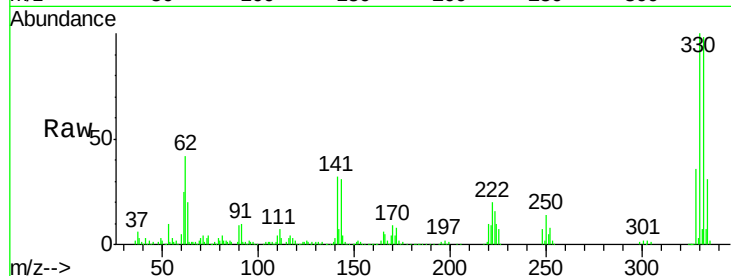




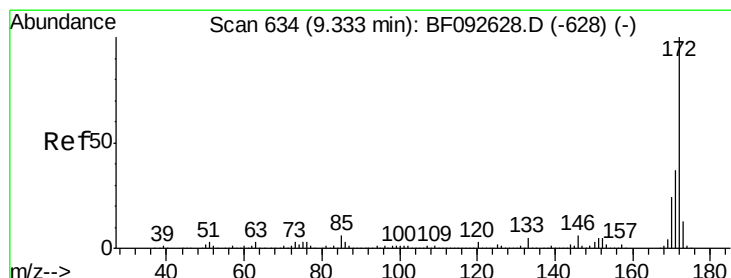
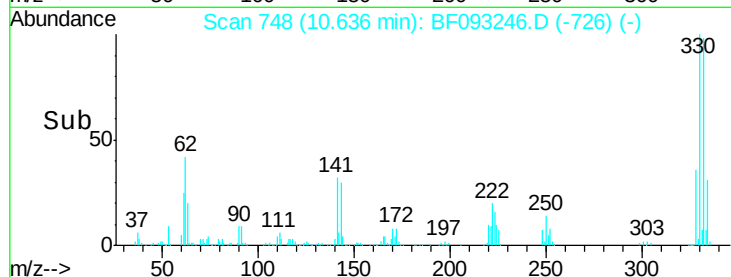
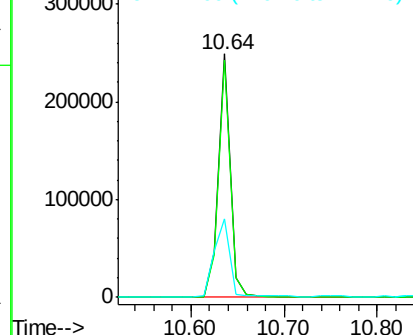
#41
 2,4,6-Tribromophenol
 Concen: 124.06 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093246.D
 Acq: 28 Feb 2017 14:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 222494
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.4 116.2
 141 41.1 34.1 51.1

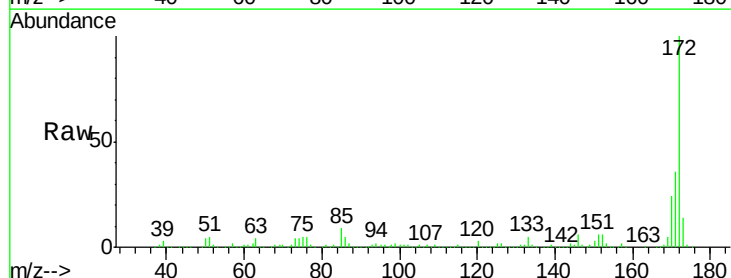


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

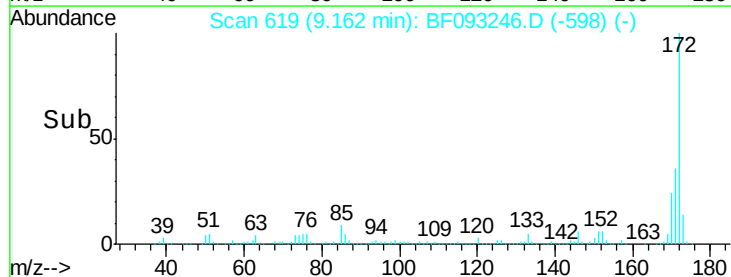
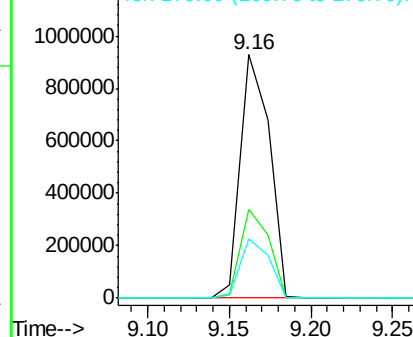


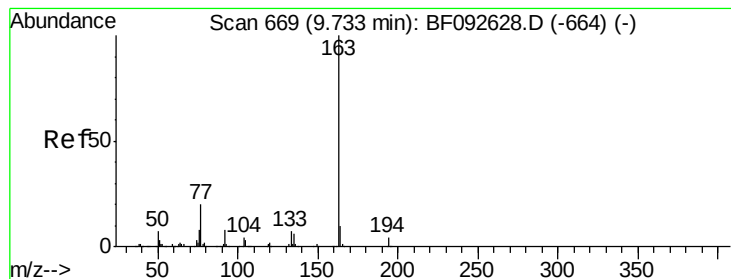
#44
 2-Fluorobiphenyl
 Concen: 84.12 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.06 min
 Lab File: BF093246.D
 Acq: 28 Feb 2017 14:08

Tgt Ion:172 Resp: 1151383
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.2 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: 26.19 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA_F

ClientSampleId :

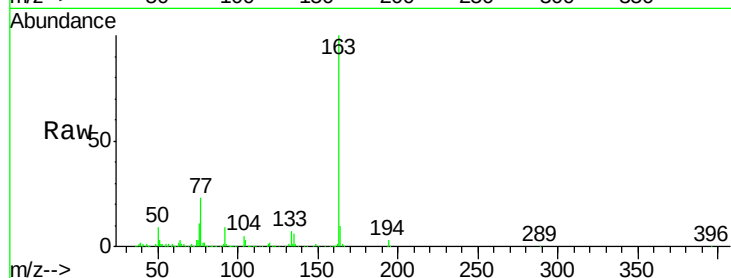
Tot Ion:163 Resp: 437414

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.4

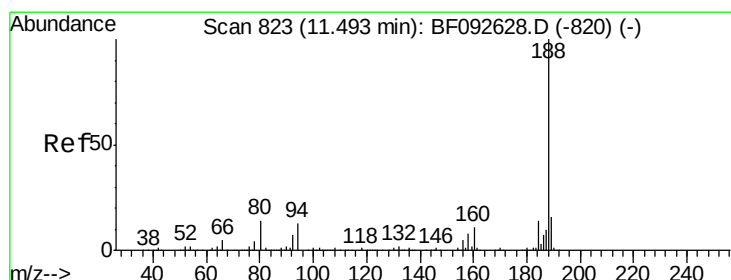
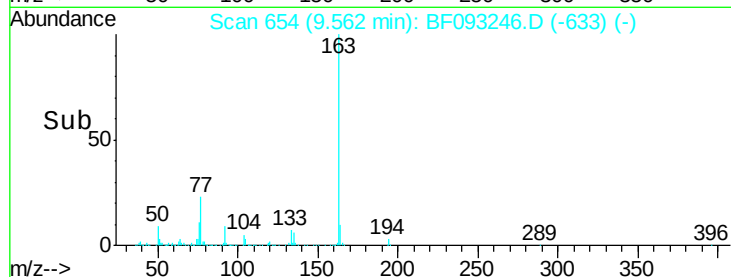
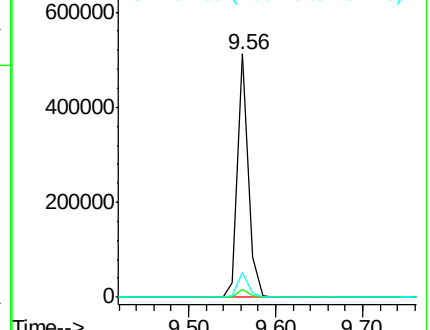
164 10.2 8.0 12.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

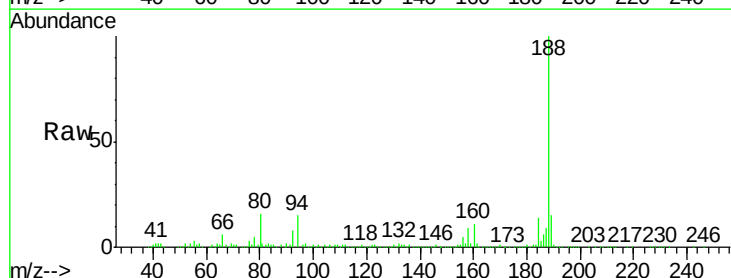
Tgt Ion:188 Resp: 448468

Ion Ratio Lower Upper

188 100

94 14.7 10.0 15.0

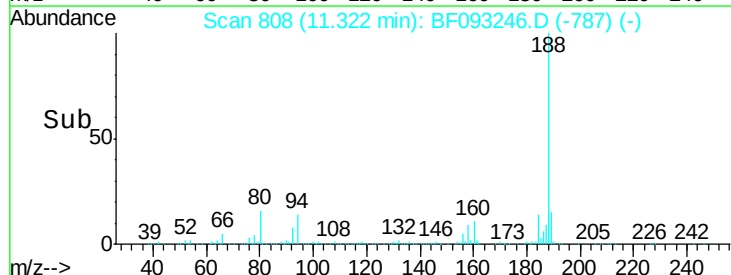
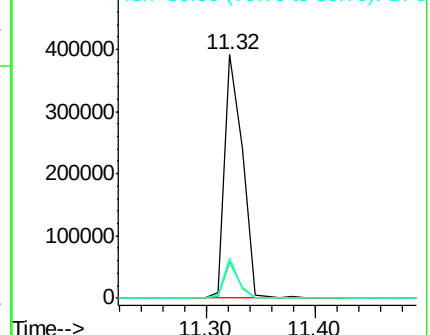
80 16.5 11.2 16.8

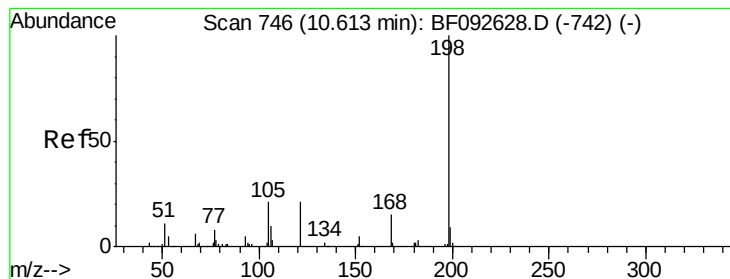


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 3.21 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.16 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA_F

ClientSampled :

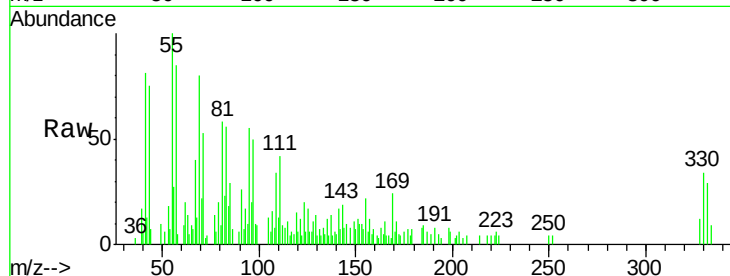
Tot Ion:198 Resp: 1563

Ion Ratio Lower Upper

198 100

51 75.4 6.7 46.7#

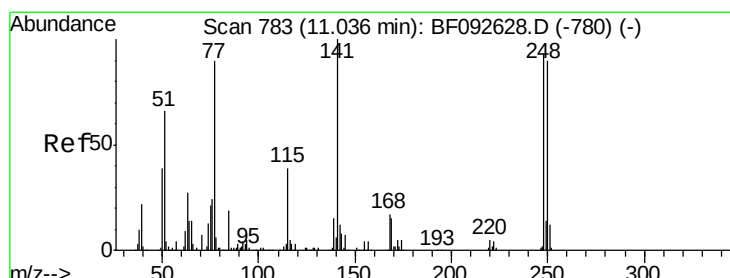
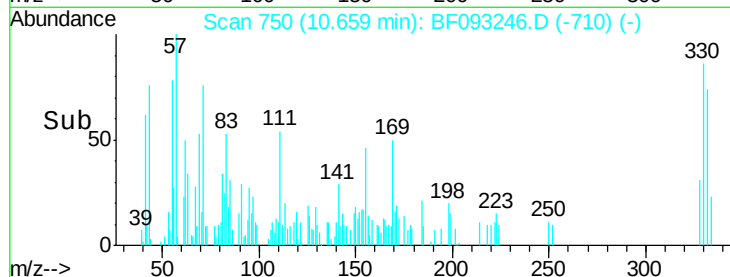
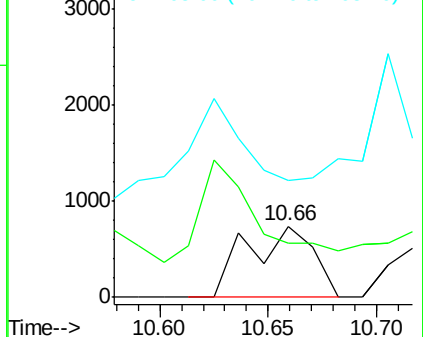
105 163.8 16.6 56.6#



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: 3.60 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.29 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

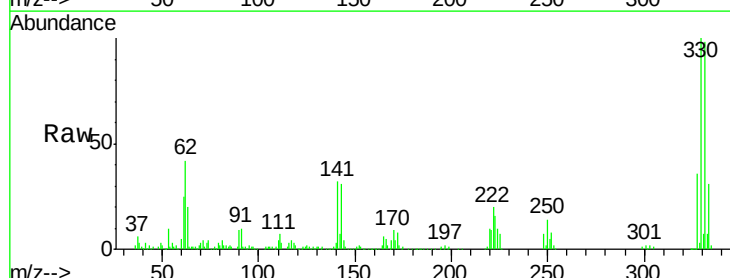
Tgt Ion:248 Resp: 16882

Ion Ratio Lower Upper

248 100

250 197.1 76.9 115.3#

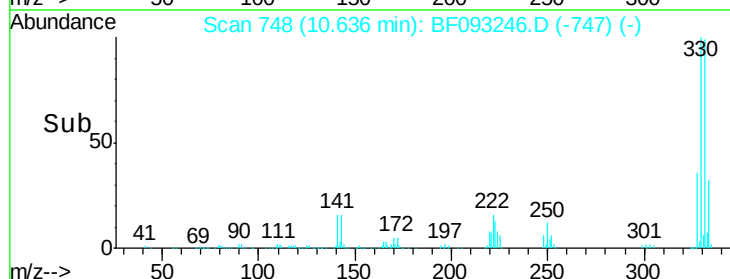
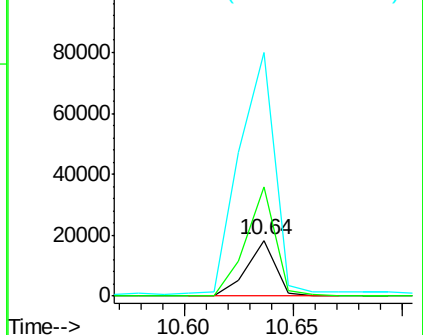
141 437.9 68.2 102.4#

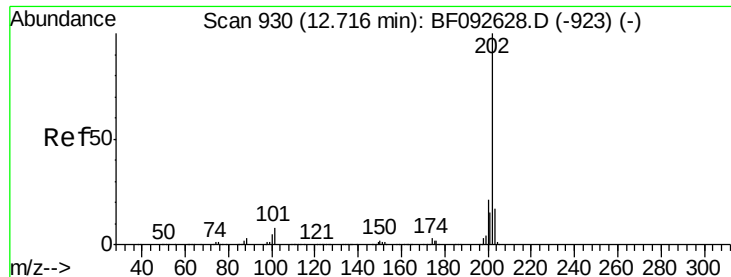


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.47 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA_F

ClientSampleId :

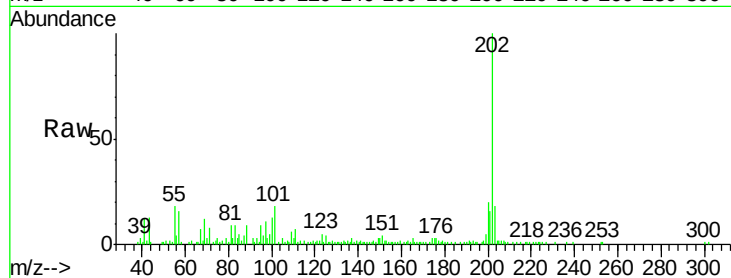
Tot Ion:202 Resp: 65480

Ion Ratio Lower Upper

202 100

101 17.5 0.0 34.6

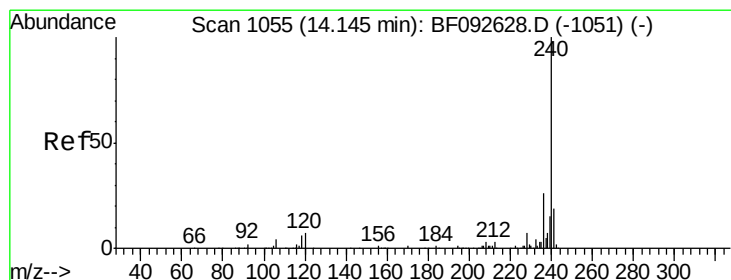
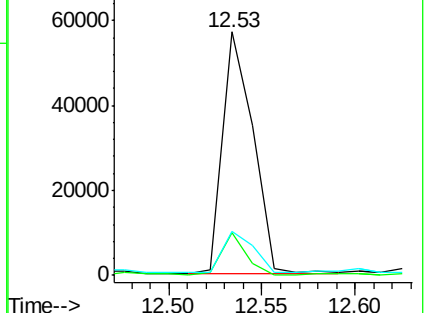
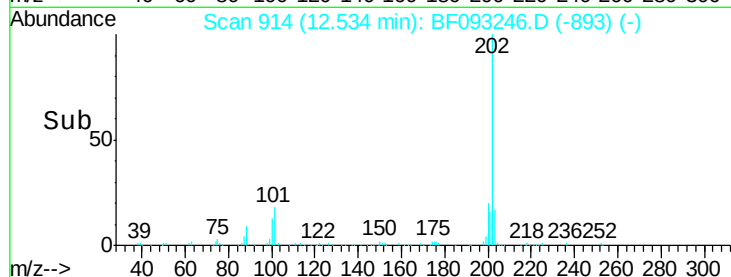
203 18.2 0.0 38.7



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: 13.96 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

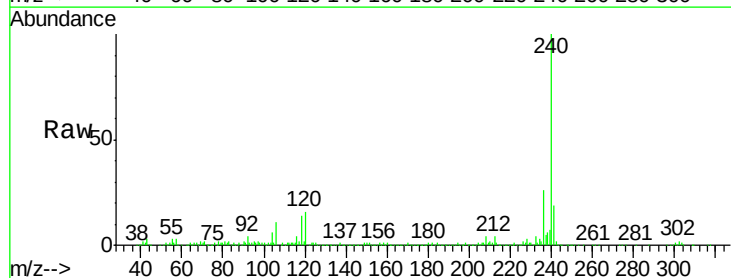
Tgt Ion:240 Resp: 302481

Ion Ratio Lower Upper

240 100

120 16.4 12.9 19.3

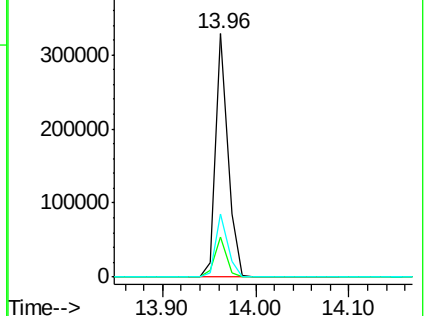
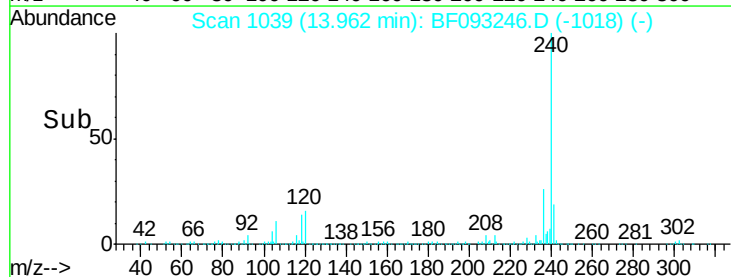
236 26.2 20.9 31.3

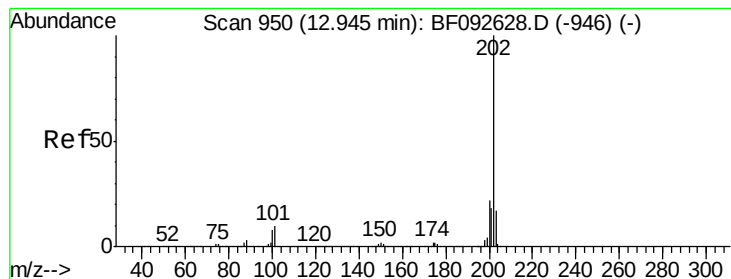


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.91 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA_F

ClientSampleId :

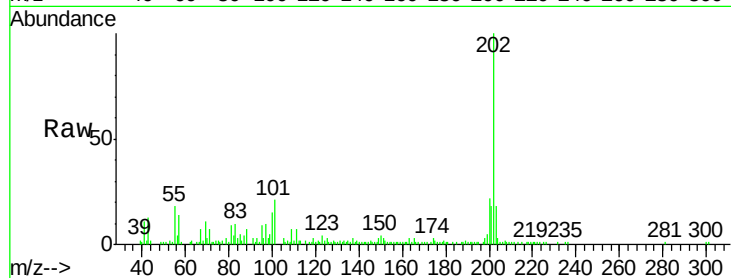
Tot Ion:202 Resp: 65844

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

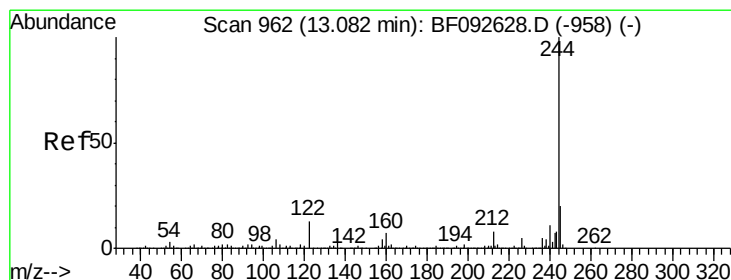
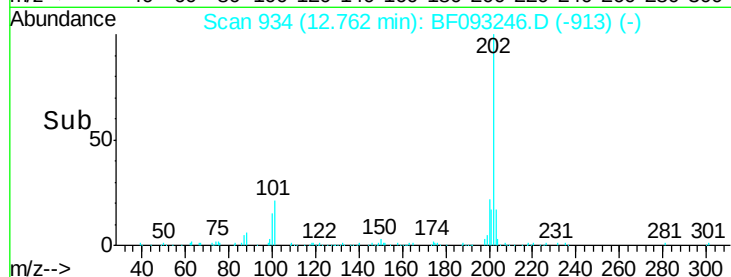
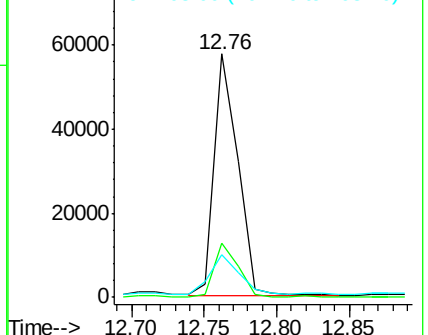
203 17.8 14.7 22.1



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: 66.09 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

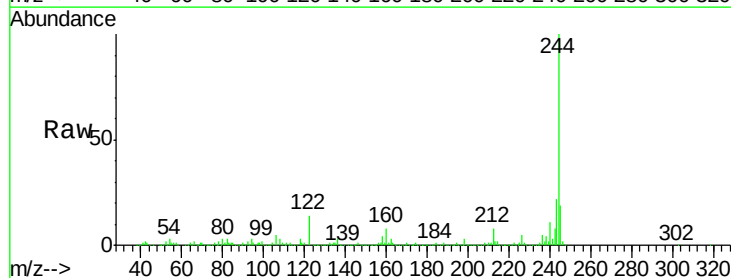
Tgt Ion:244 Resp: 850772

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

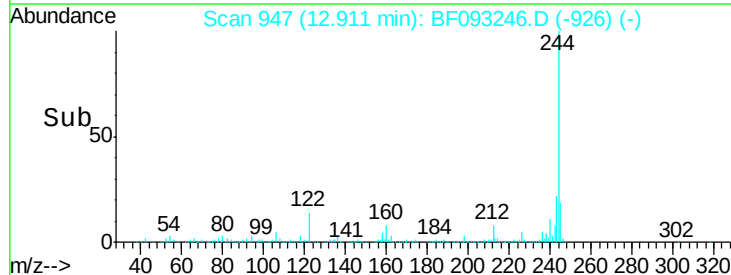
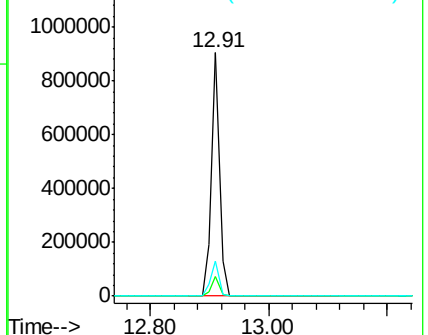
122 14.2 11.4 17.2

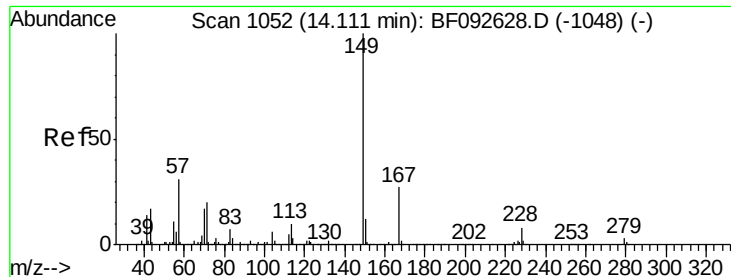


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

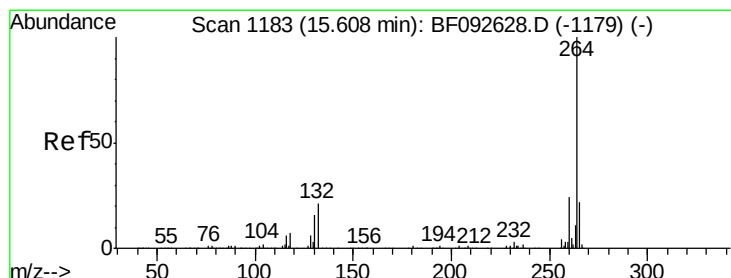
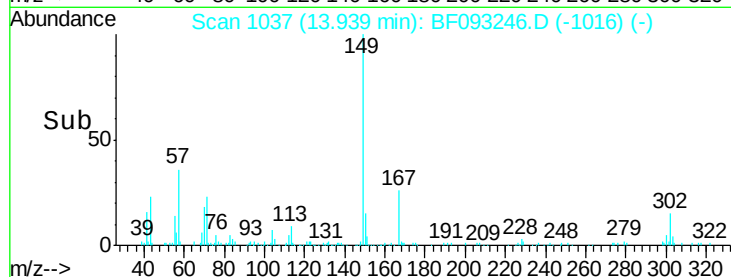
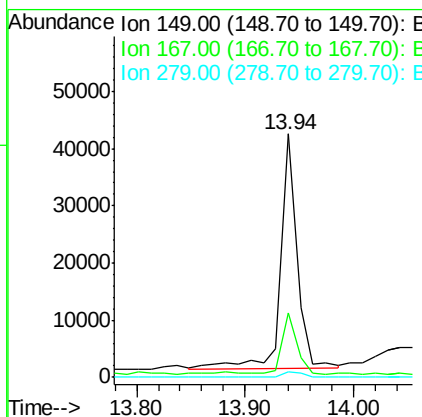
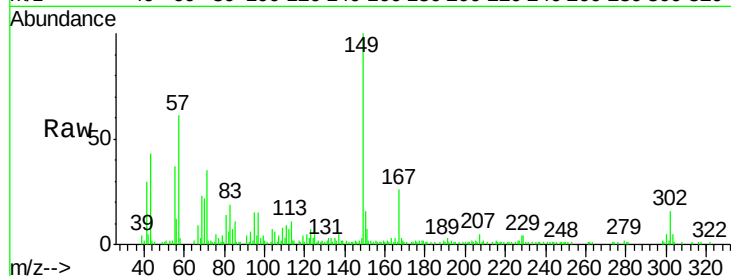




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.47 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.06 min
 Lab File: BF093246.D
 Acq: 28 Feb 2017 14:08

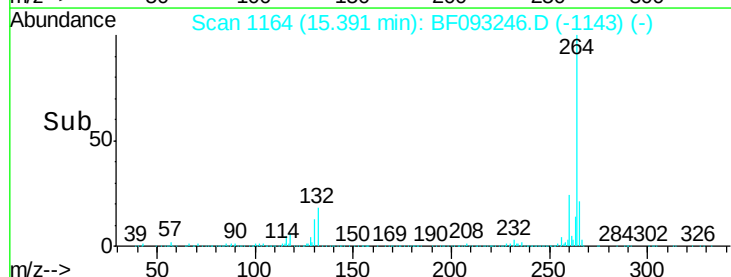
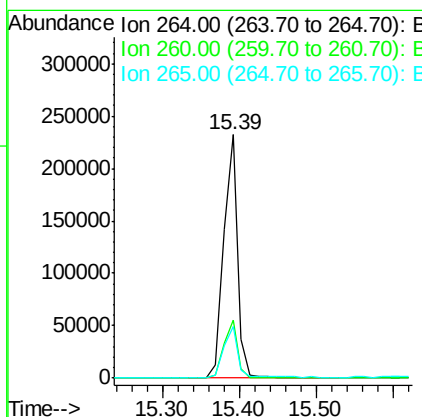
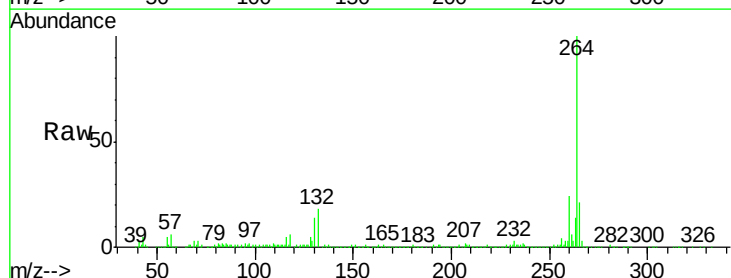
Instrument :
 BNA_F
 ClientSampleId :

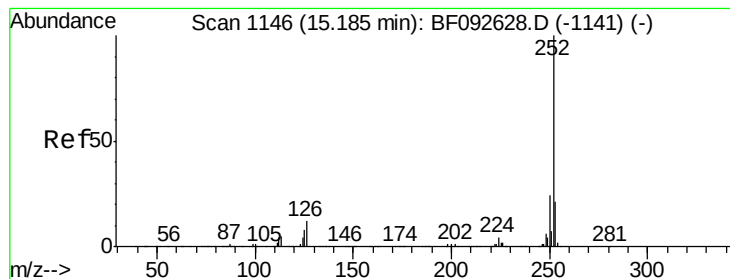
Tot Ion:149 Resp: 43563
 Ion Ratio Lower Upper
 149 100
 167 26.5 20.2 30.4
 279 2.1 1.8 2.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1164
 Delta R.T. -0.06 min
 Lab File: BF093246.D
 Acq: 28 Feb 2017 14:08

Tgt Ion:264 Resp: 298312
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.1 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 2.30 ng

RT: 14.98 min Scan# 1128

Delta R.T. -0.06 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

Instrument :

BNA_F

ClientSampleId :

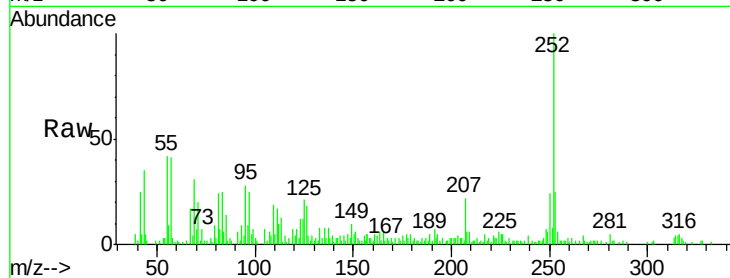
Tot Ion:252 Resp: 45072

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.4

125 20.7 9.8 14.6#

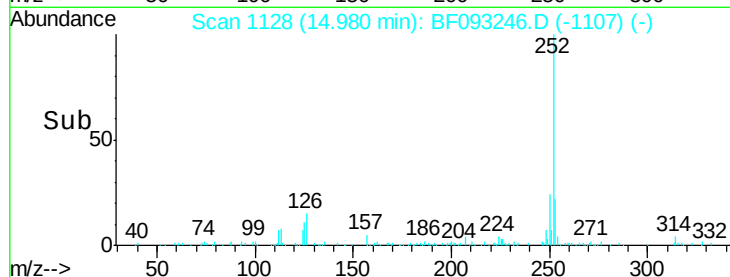


Abundance Ion 252.00 (251.70 to 252.70): E

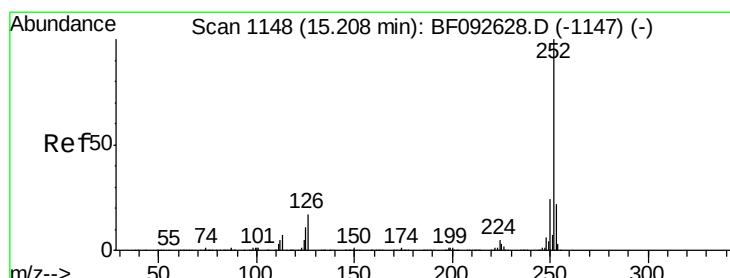
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#88

Benzo(k)fluoranthene

Concen: 2.66 ng

RT: 14.98 min Scan# 1128

Delta R.T. -0.09 min

Lab File: BF093246.D

Acq: 28 Feb 2017 14:08

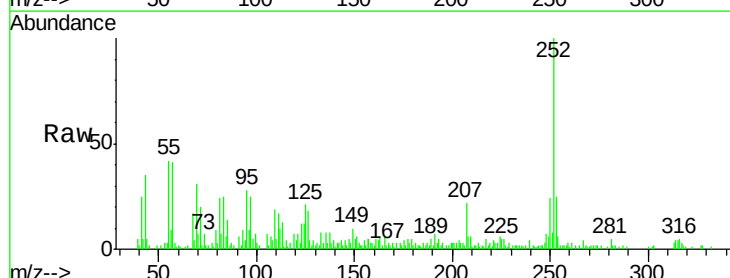
Tgt Ion:252 Resp: 45072

Ion Ratio Lower Upper

252 100

253 24.8 18.5 27.7

125 20.7 8.9 13.3#

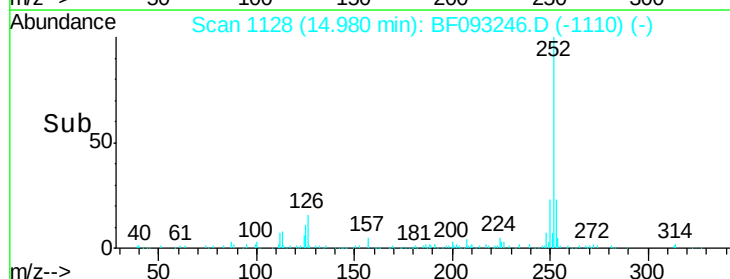


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->