

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094258.D
 Acq On : 7 Apr 2017 7:22
 Operator : SJ/MA
 Sample : I2542-15
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Apr 07 07:42:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

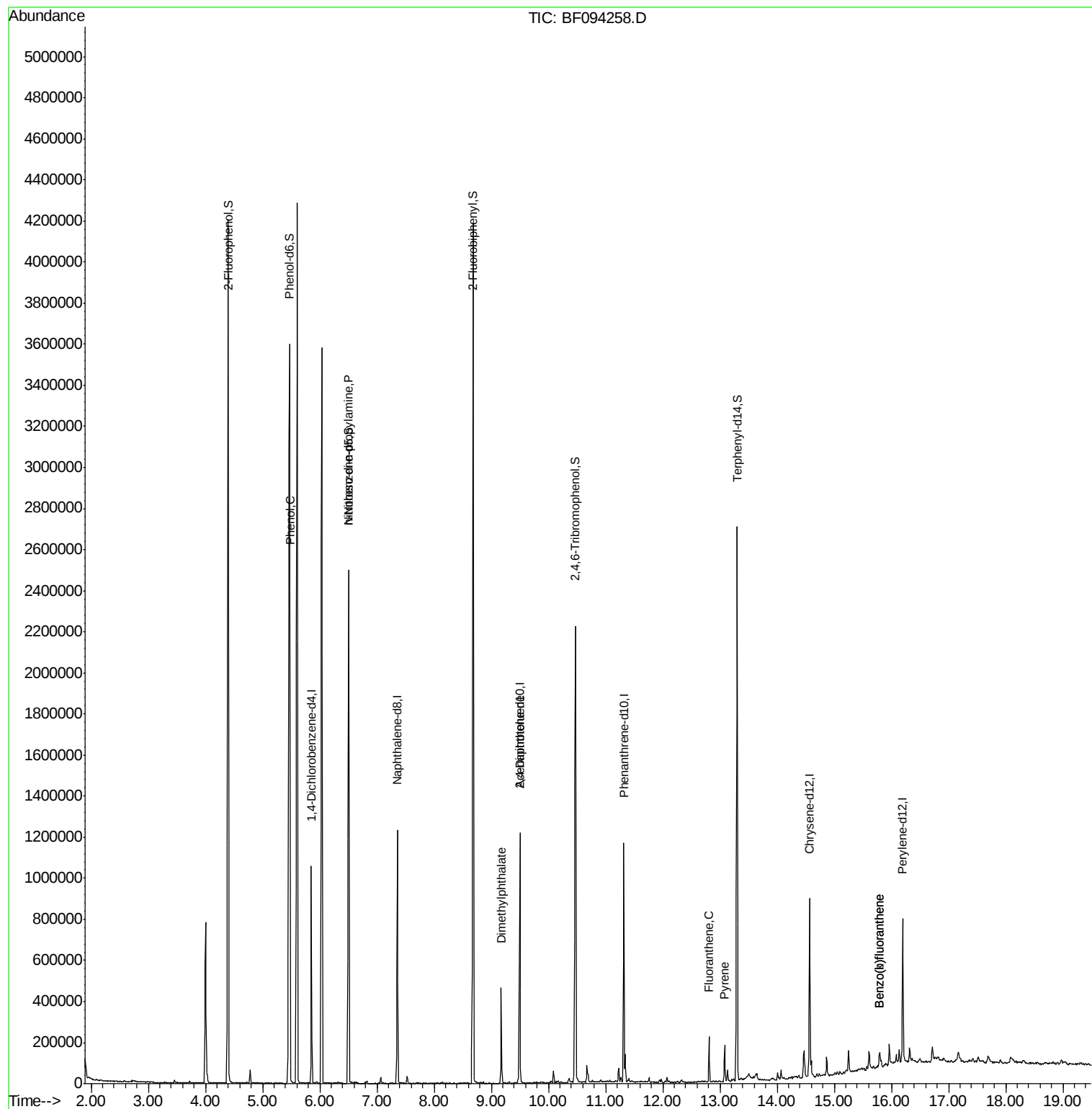
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	162724	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	651822	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	285790	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	450900	20.00	ng	0.00
75) Chrysene-d12	14.57	240	315086	20.00	ng	0.00
86) Perylene-d12	16.20	264	265251	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1365336	141.72	ng	0.01
7) Phenol-d6	5.47	99	1753063	147.09	ng	0.00
23) Nitrobenzene-d5	6.50	82	1073688	94.00	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	310482	137.48	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1631929	87.10	ng	0.00
78) Terphenyl-d14	13.30	244	1037318	73.79	ng	0.00
Target Compounds						
10) Phenol	5.48	94	117806	8.69	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	6.50	70	141629	18.49	ng	# 78
49) Dimethylphthalate	9.17	163	204364	10.06	ng	99
56) 2,4-Dinitrotoluene	9.49	165	36471	6.23	ng	# 33
74) Fluoranthene	12.81	202	91365	3.56	ng	99
77) Pyrene	13.09	202	74786	3.27	ng	99
87) Benzo(b)fluoranthene	15.79	252	46620	2.87	ng	# 95
88) Benzo(k)fluoranthene	15.79	252	46620	2.93	ng	98

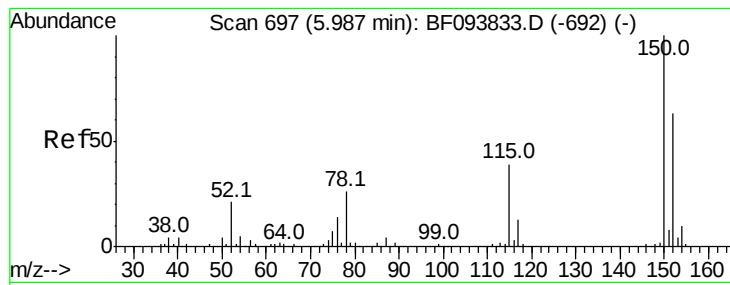
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.85 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

Instrument :

BNA_F

ClientSampleId :

COMP-2

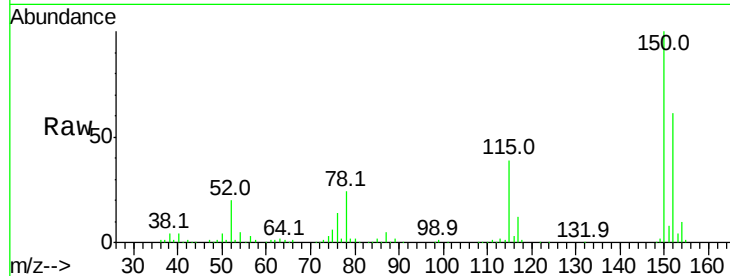
Tot Ion:152 Resp: 162724

Ion Ratio Lower Upper

152 100

150 164.2 126.2 189.2

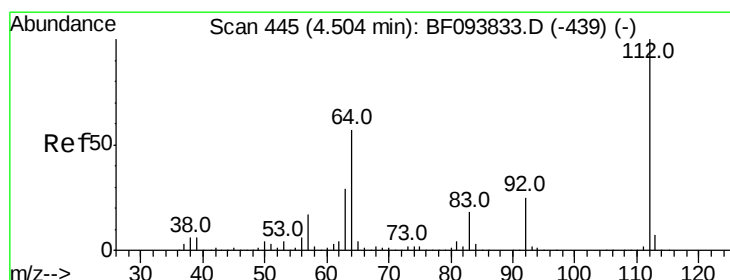
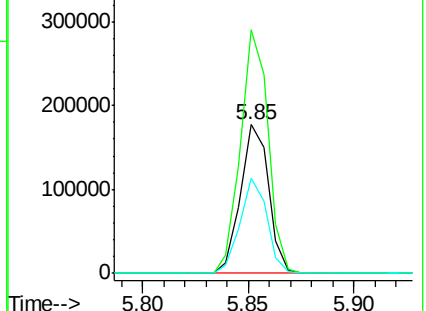
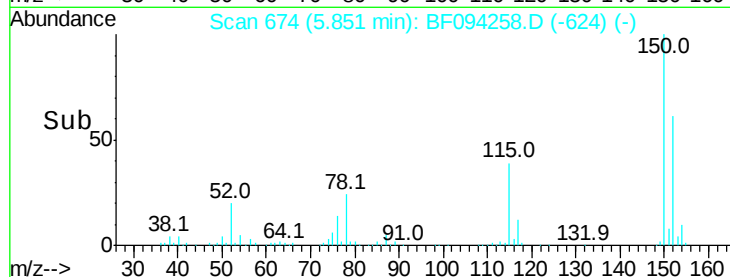
115 63.9 52.2 78.2



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: 141.72 ng

RT: 4.40 min Scan# 427

Delta R.T. 0.01 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

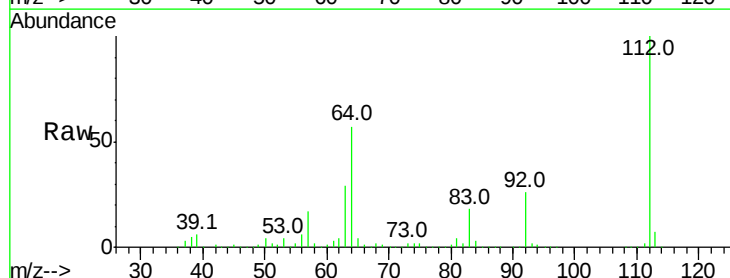
Tgt Ion:112 Resp: 1365336

Ion Ratio Lower Upper

112 100

64 57.0 46.0 69.0

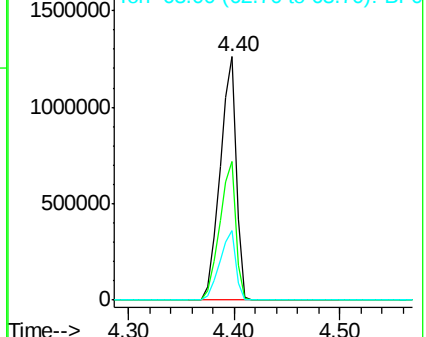
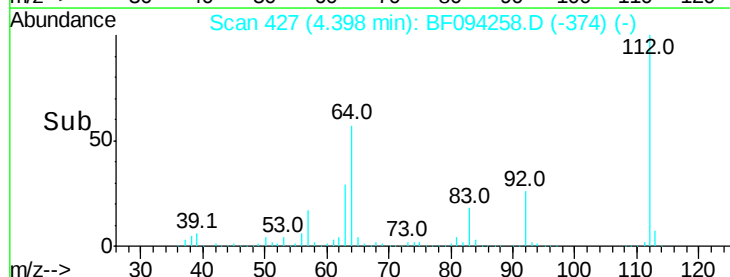
63 28.8 23.4 35.0



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: 147.09 ng

RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

Instrument :

BNA_F

ClientSampleId :

COMP-2

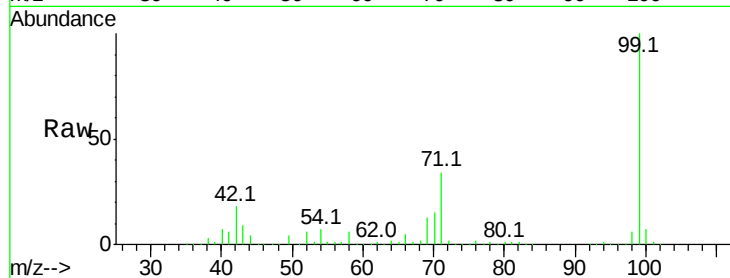
Tot Ion: 99 Resp: 1753063

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

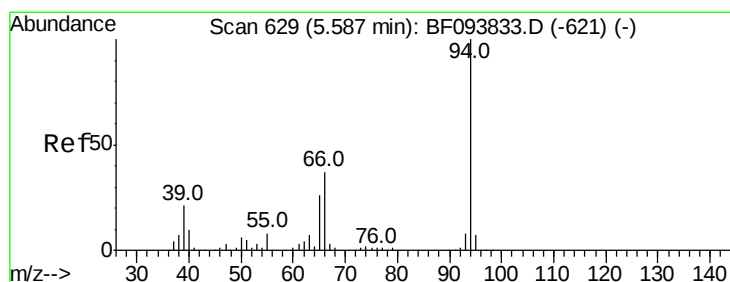
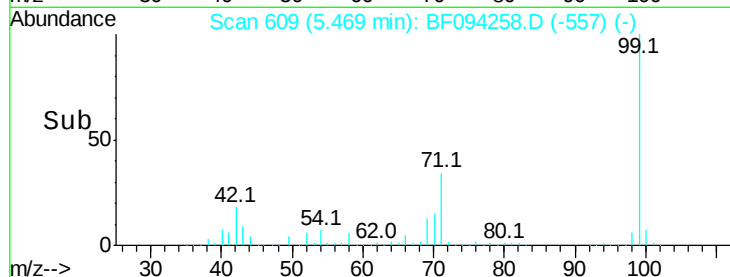
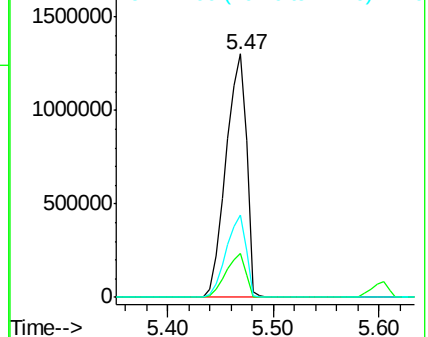
71 33.7 24.5 36.7



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: 8.69 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

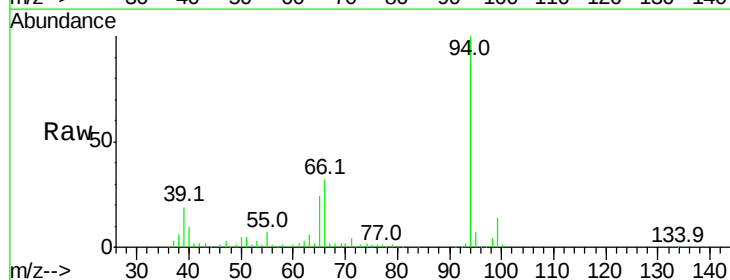
Tgt Ion: 94 Resp: 117806

Ion Ratio Lower Upper

94 100

65 24.1 9.9 49.9

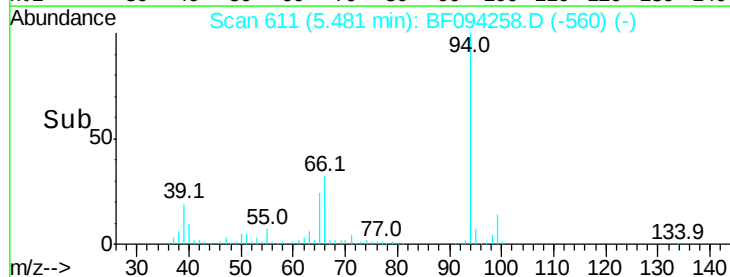
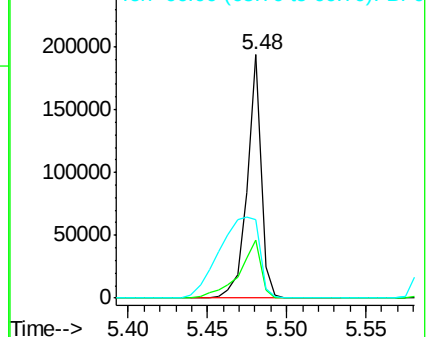
66 32.1 23.1 63.1



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: 18.49 ng

RT: 6.50 min Scan# 785

Delta R.T. 0.16 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tot Ion: 70 Resp: 141629

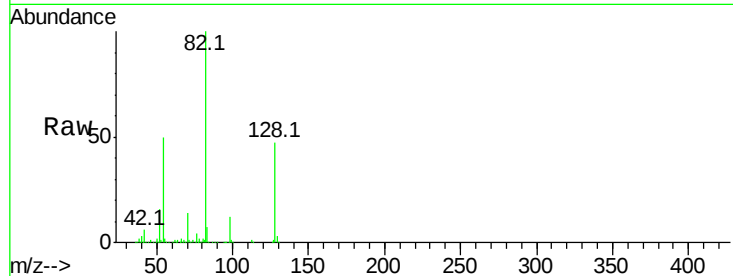
Ion Ratio Lower Upper

70 100

42 47.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

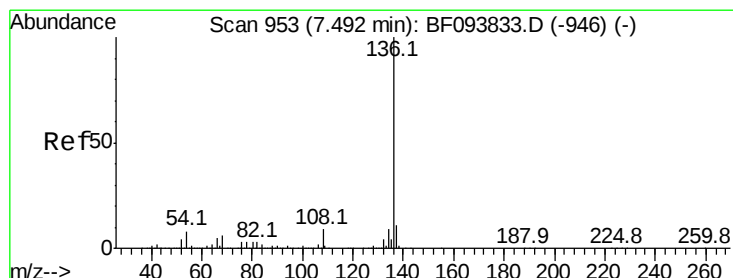
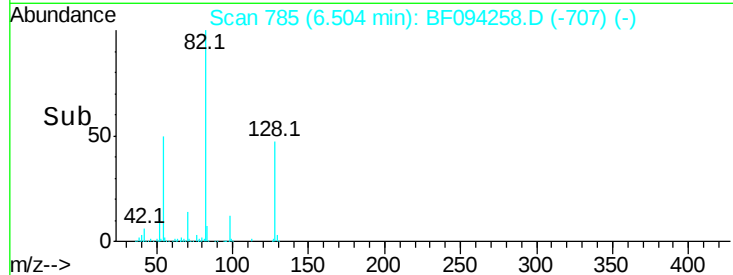
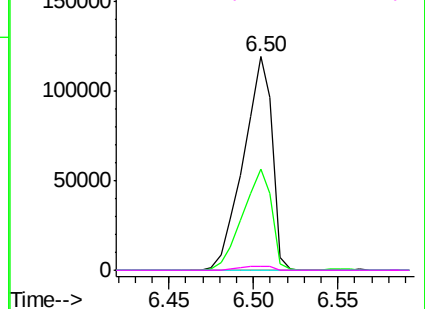


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.36 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

Tgt Ion: 136 Resp: 651822

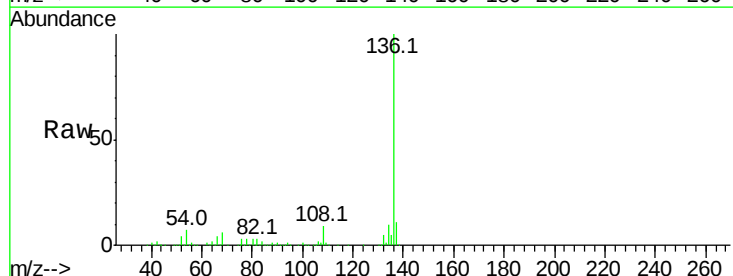
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.1 4.9 7.3

68 5.9 4.1 6.1

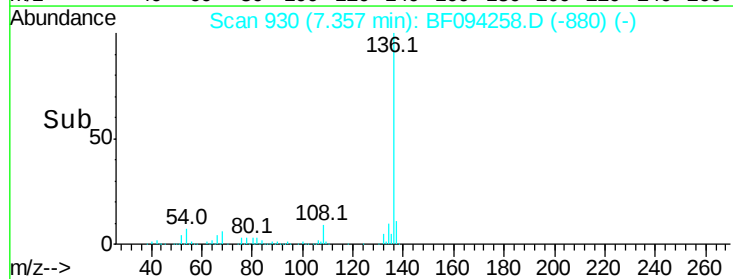
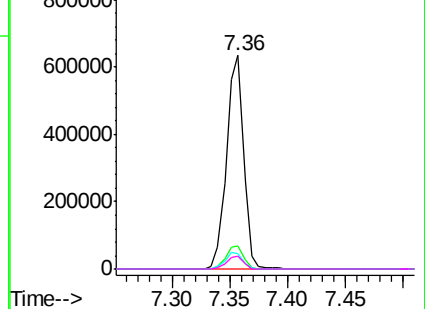


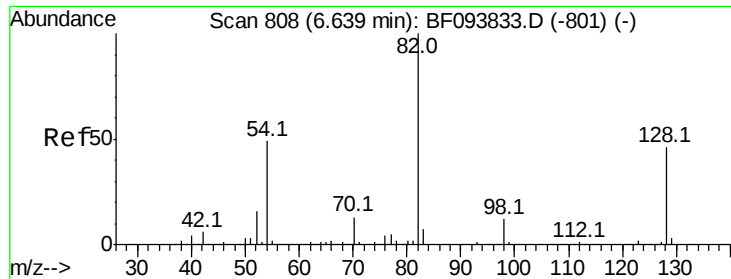
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

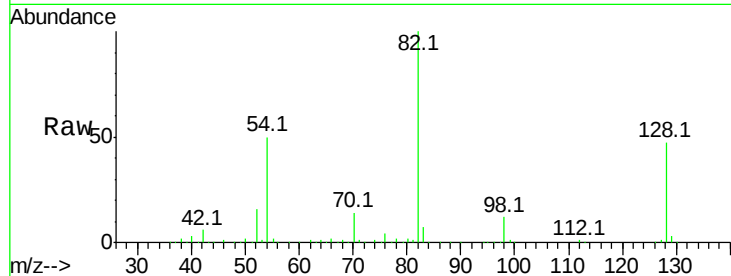




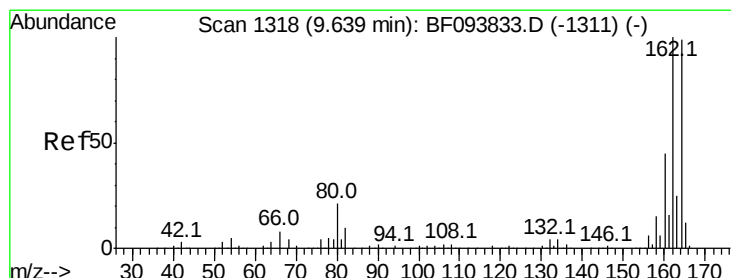
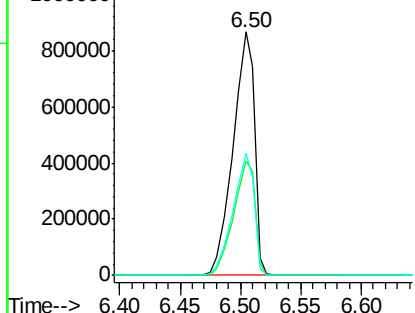
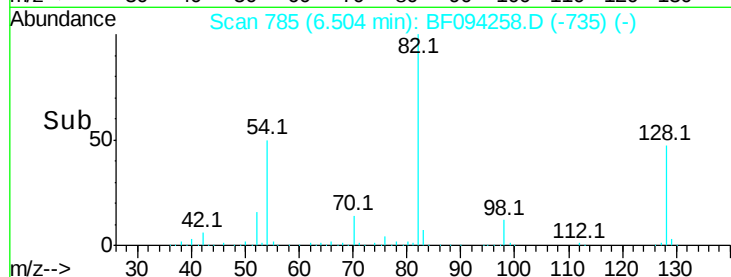
#23
Nitrobenzene-d5
Concen: 94.00 ng
RT: 6.50 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF094258.D
Acq: 7 Apr 2017 7:22

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion: 82 Resp: 1073688
Ion Ratio Lower Upper
82 100
128 47.0 34.0 51.0
54 49.9 42.2 63.2

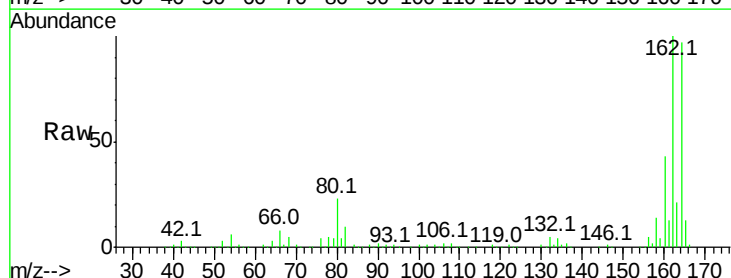


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

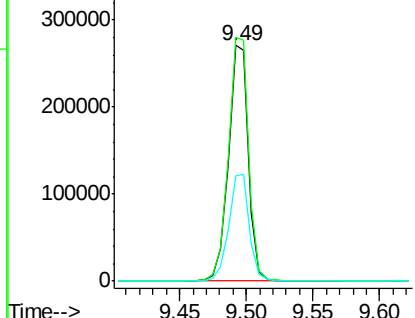
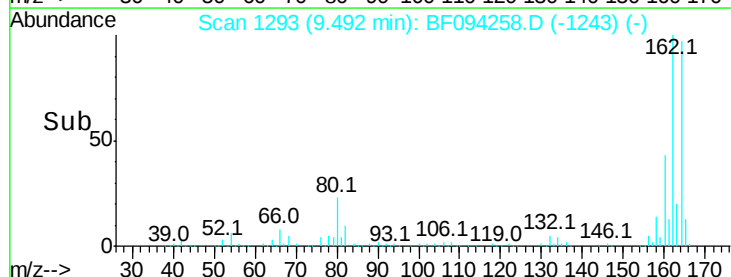


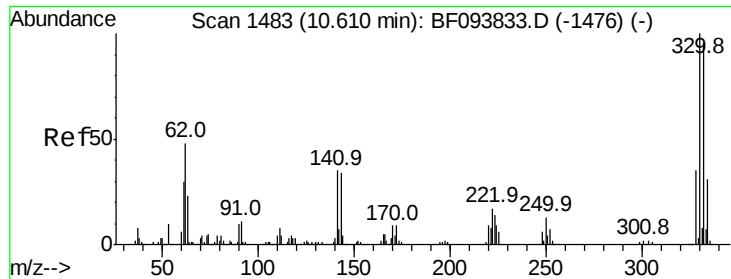
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.49 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF094258.D
Acq: 7 Apr 2017 7:22

Tgt Ion:164 Resp: 285790
Ion Ratio Lower Upper
164 100
162 103.3 82.6 123.8
160 44.7 36.2 54.2



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

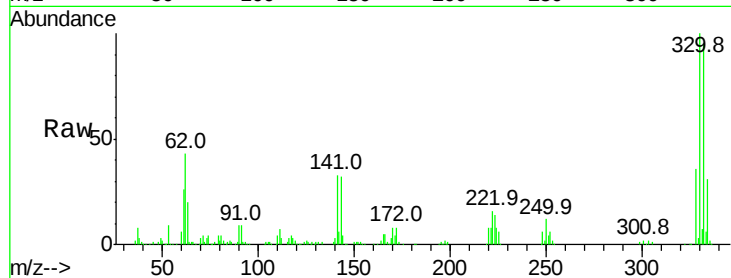




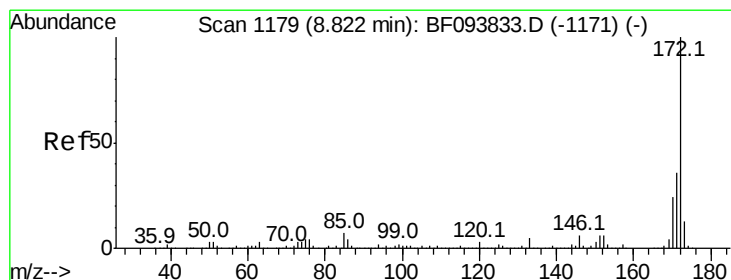
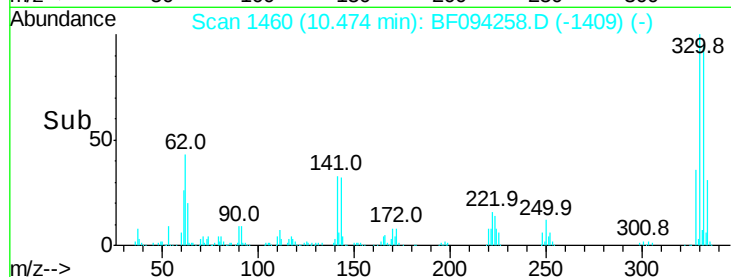
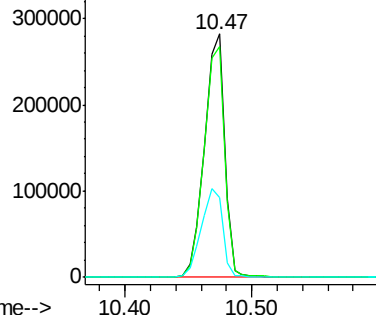
#41
 2,4,6-Tribromophenol
 Concen: 137.48 ng
 RT: 10.47 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF094258.D
 Acq: 7 Apr 2017 7:22

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tot Ion:330 Resp: 310482
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 38.7 31.4 47.2

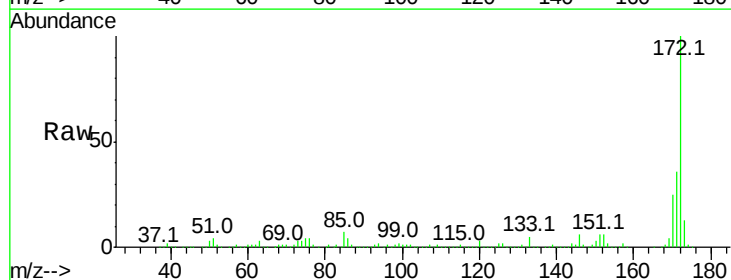


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

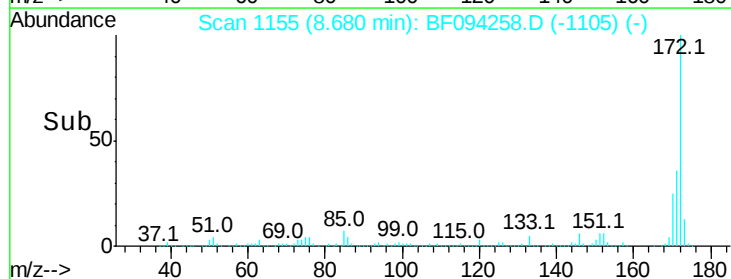
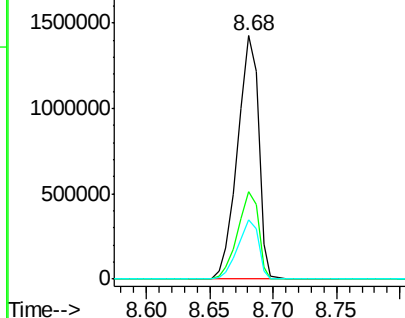


#44
 2-Fluorobiphenyl
 Concen: 87.10 ng
 RT: 8.68 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF094258.D
 Acq: 7 Apr 2017 7:22

Tgt Ion:172 Resp: 1631929
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.6 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: 10.06 ng

RT: 9.17 min Scan# 1239

Delta R.T. -0.02 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

Instrument :

BNA_F

ClientSampleId :

COMP-2

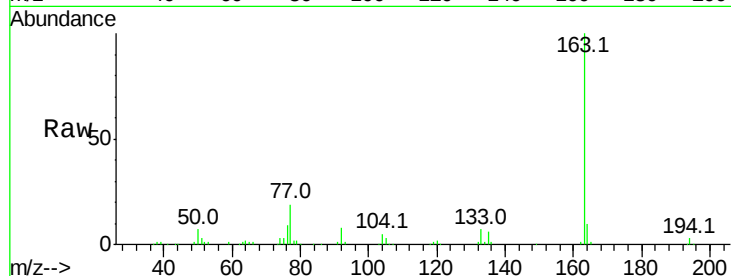
Tot Ion:163 Resp: 204364

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

164 9.9 8.4 12.6

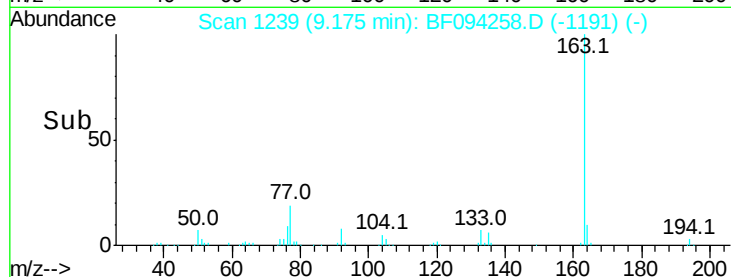


Abundance Ion 163.00 (162.70 to 163.70): E

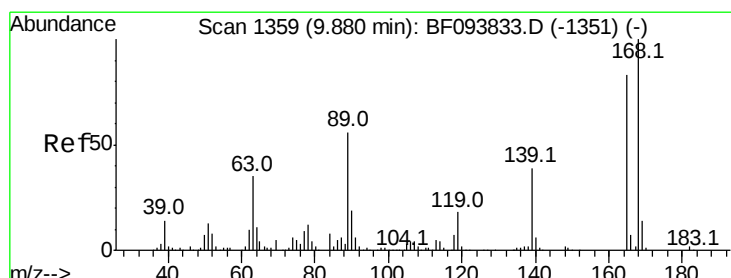
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Time-->



#56

2,4-Dinitrotoluene

Concen: 6.23 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.26 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

Tgt Ion:165 Resp: 36471

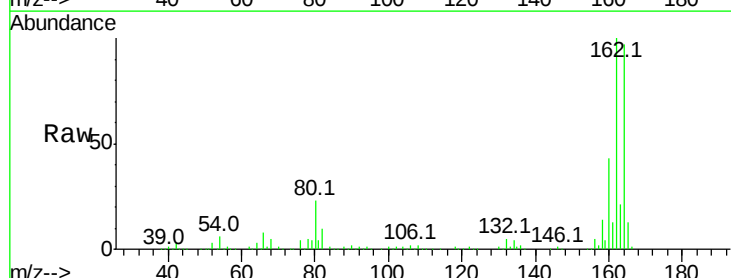
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#



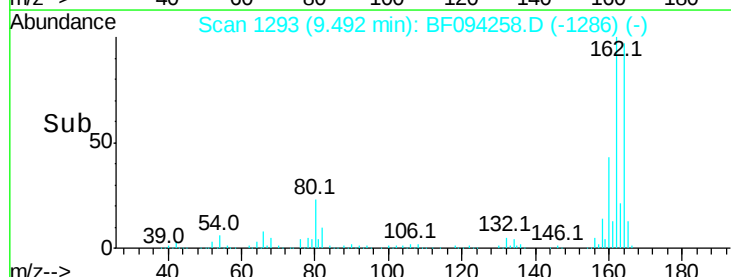
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

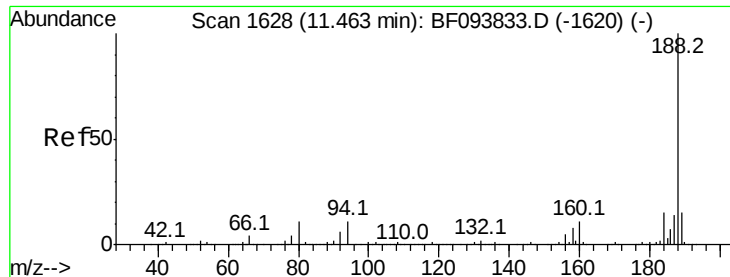
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

Instrument :

BNA_F

ClientSampleId :

COMP-2

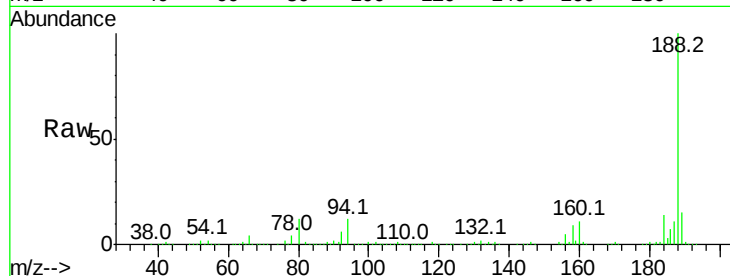
Tot Ion:188 Resp: 450900

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

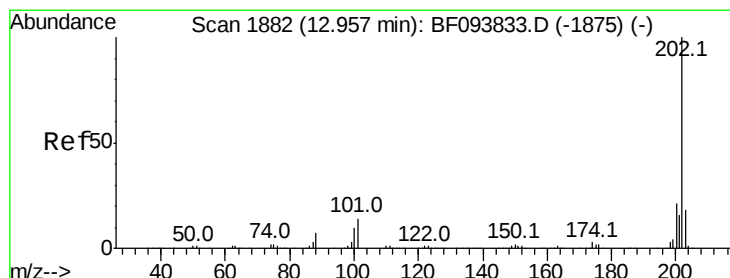
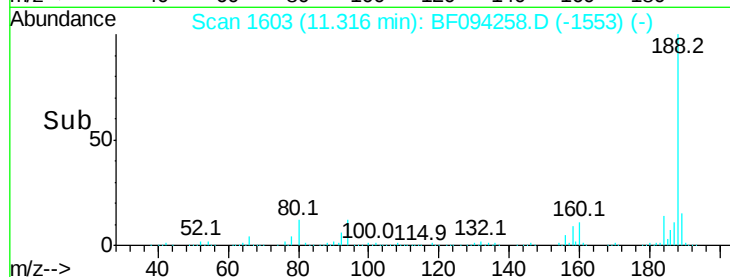
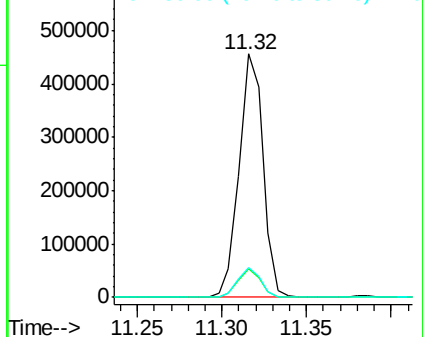
80 12.4 10.2 15.2



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



#74

Fluoranthene

Concen: 3.56 ng

RT: 12.81 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

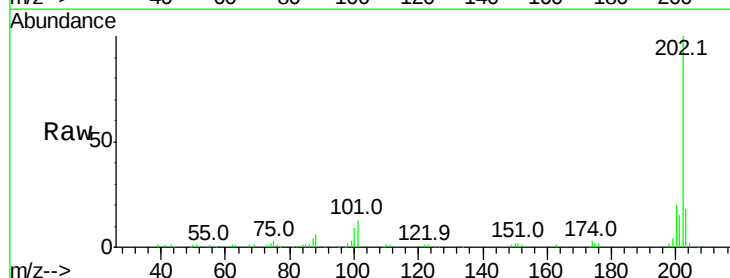
Tgt Ion:202 Resp: 91365

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

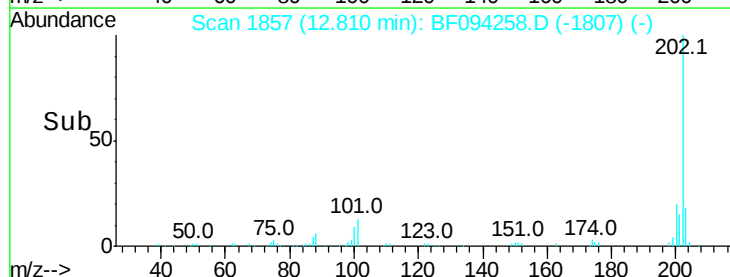
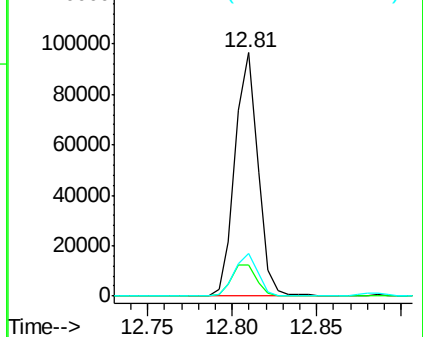
203 17.6 0.0 38.1

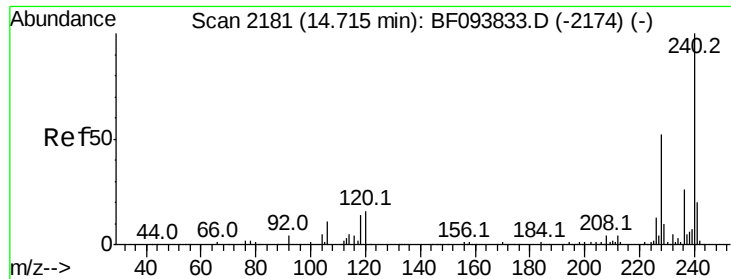


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.57 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

Instrument :

BNA_F

ClientSampleId :

COMP-2

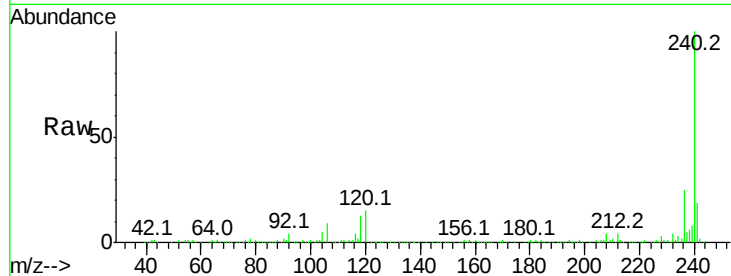
Tot Ion:240 Resp: 315086

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

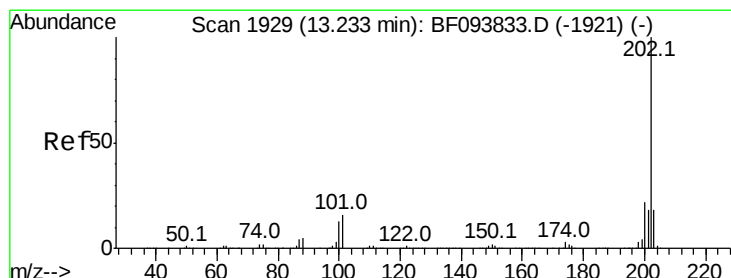
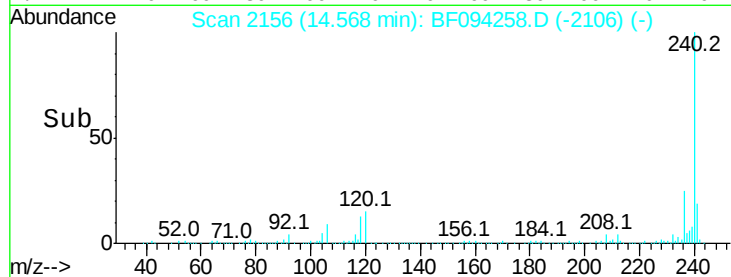
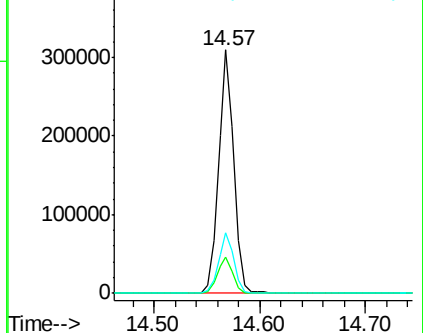
236 25.1 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.27 ng

RT: 13.09 min Scan# 1904

Delta R.T. -0.01 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

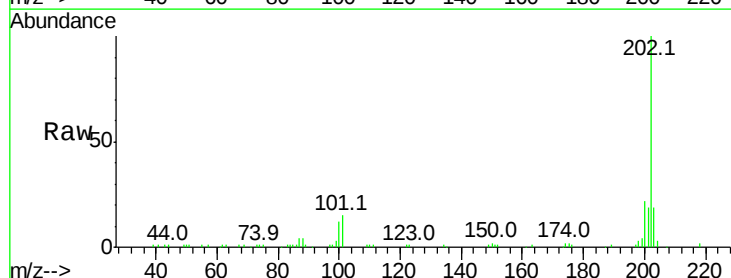
Tgt Ion:202 Resp: 74786

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

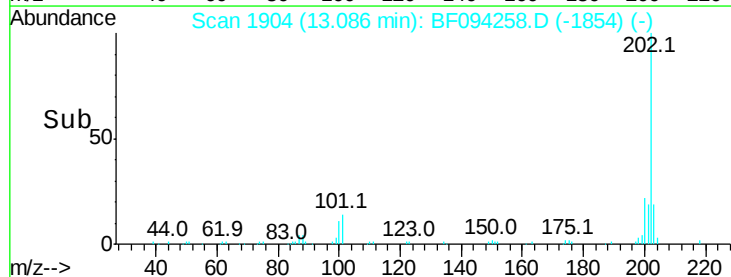
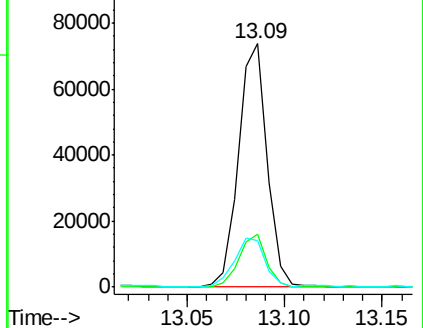
203 19.1 14.4 21.6

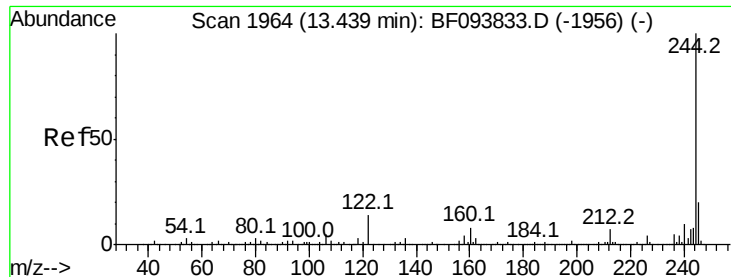


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

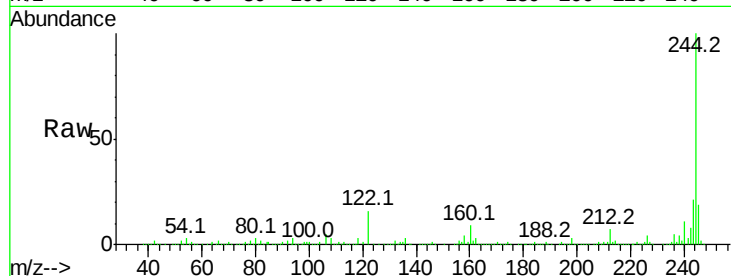




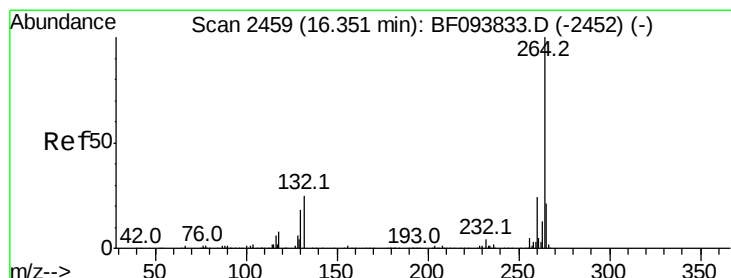
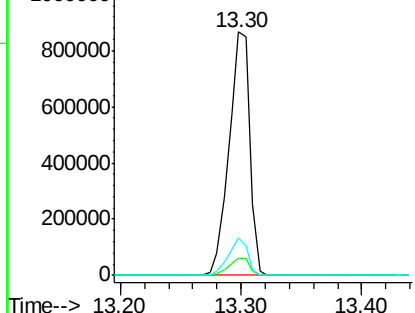
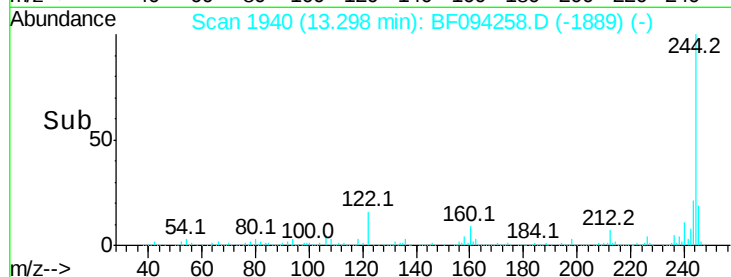
#78
 Terphenyl-d14
 Concen: 73.79 ng
 RT: 13.30 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: BF094258.D
 Acq: 7 Apr 2017 7:22

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tot Ion:244 Resp: 1037318
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 15.7 10.3 15.5#

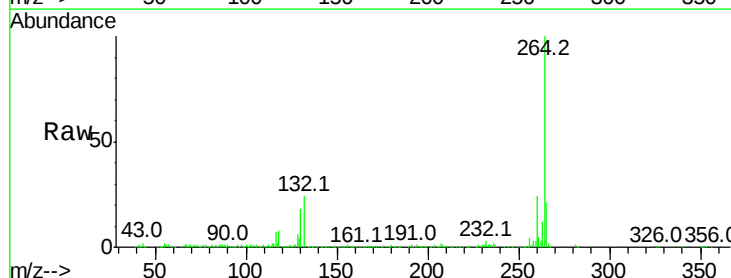


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

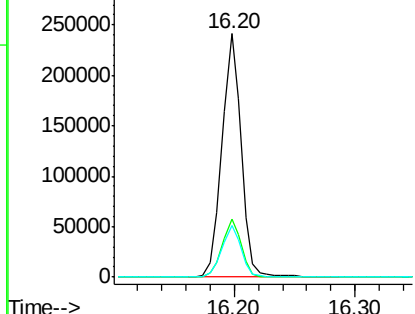
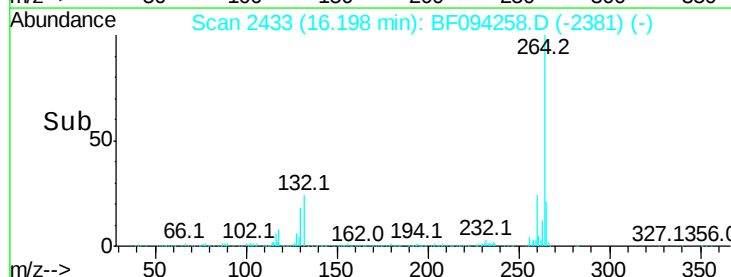


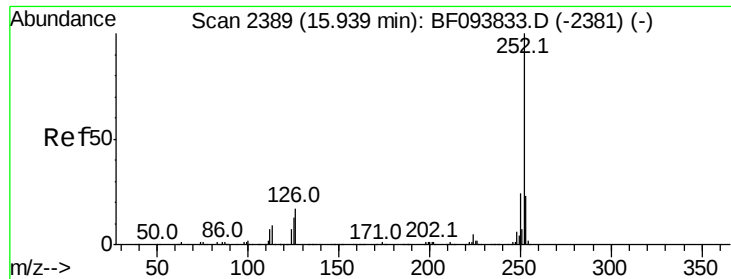
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.20 min Scan# 2433
 Delta R.T. 0.01 min
 Lab File: BF094258.D
 Acq: 7 Apr 2017 7:22

Tgt Ion:264 Resp: 265251
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 21.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.87 ng

RT: 15.79 min Scan# 2364

Delta R.T. -0.00 min

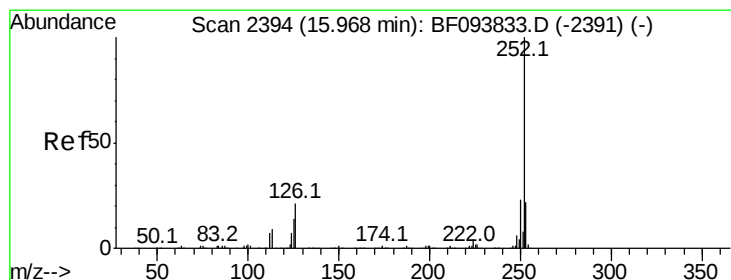
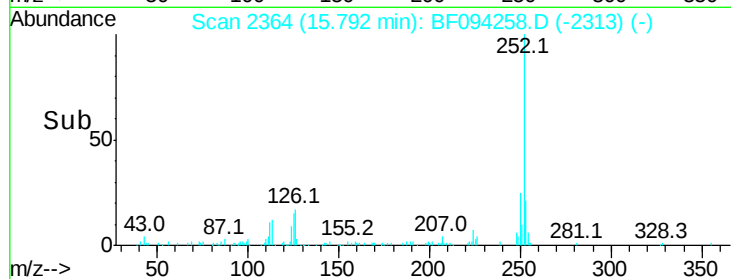
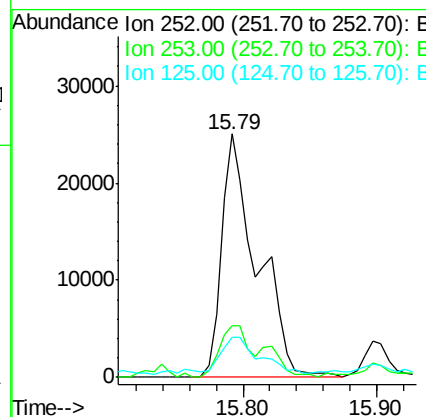
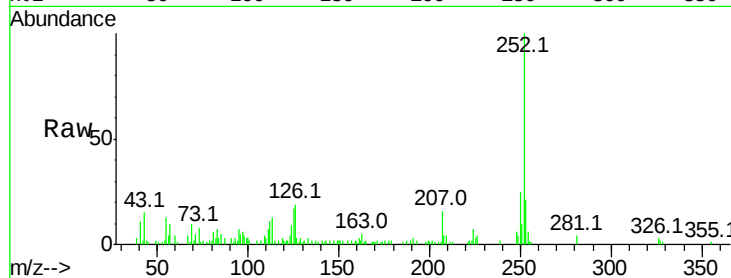
Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion:252 Resp: 46620

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	16.6	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 2.93 ng

RT: 15.79 min Scan# 2364

Delta R.T. -0.04 min

Lab File: BF094258.D

Acq: 7 Apr 2017 7:22

Tgt Ion:252 Resp: 46620

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.4	27.6
125	16.6	13.1	19.7

