

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094104.D
 Acq On : 31 Mar 2017 18:57
 Operator : SJ/MA
 Sample : I2457-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: Mar 31 23:09:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

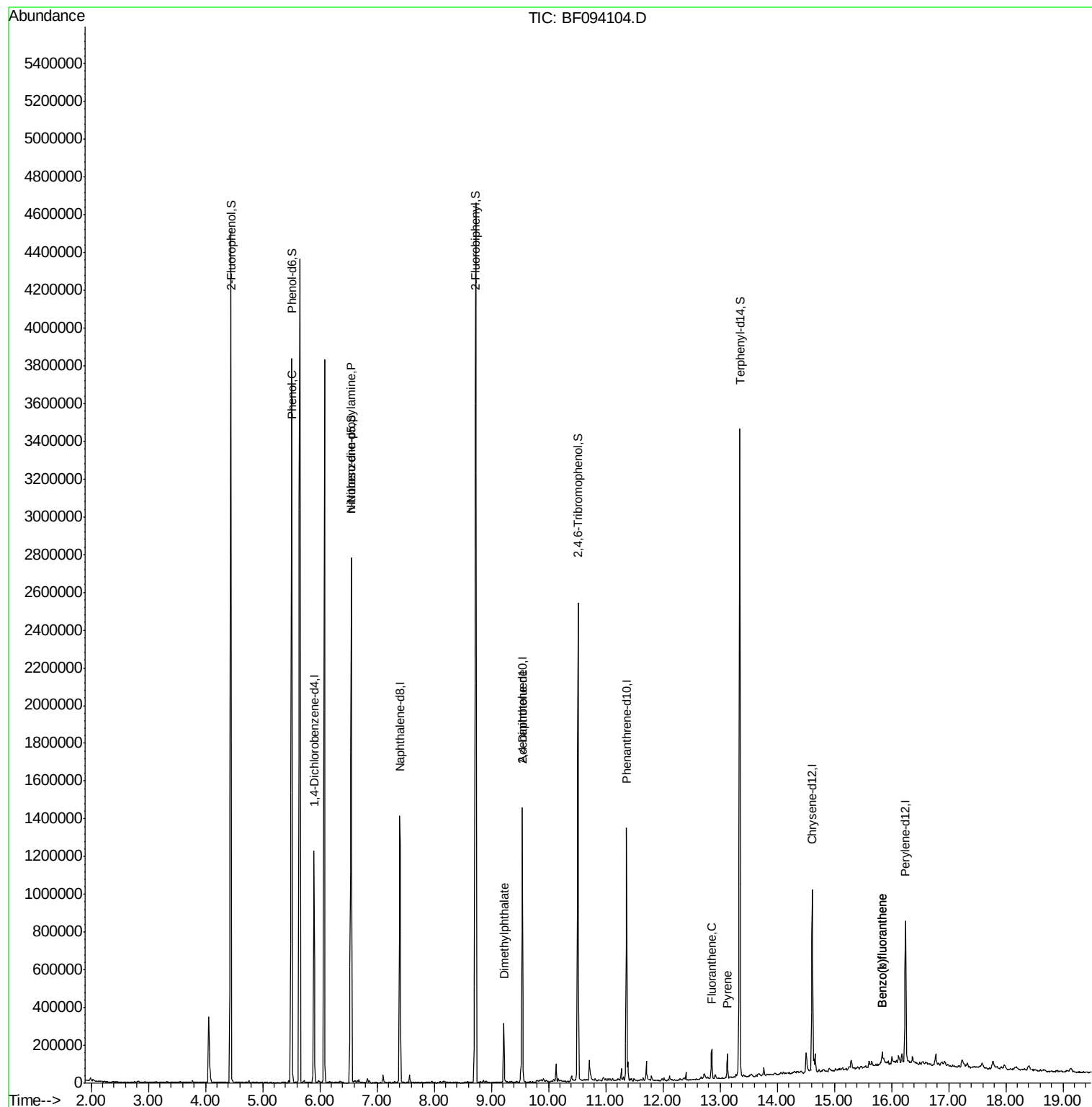
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	195465	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	762243	20.00	ng	-0.01
38) Acenaphthene-d10	9.54	164	336520	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	547264	20.00	ng	-0.01
75) Chrysene-d12	14.62	240	348934	20.00	ng	-0.01
86) Perylene-d12	16.24	264	309680	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.45	112	1547663	133.73	ng	0.01
7) Phenol-d6	5.51	99	2006037	140.12	ng	0.00
23) Nitrobenzene-d5	6.55	82	1241984	92.99	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	375944	141.37	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	1925845	87.29	ng	0.00
78) Terphenyl-d14	13.35	244	1341314	86.16	ng	0.00
Target Compounds						
10) Phenol	5.52	94	54901	3.37	ng	Qvalue 89
19) n-Nitroso-di-n-propylamine	6.55	70	166747	18.12	ng	# 77
49) Dimethylphthalate	9.22	163	145151	6.07	ng	98
56) 2,4-Dinitrotoluene	9.54	165	44633	6.48	ng	# 32
74) Fluoranthene	12.86	202	68780	2.21	ng	98
77) Pyrene	13.13	202	55127	2.18	ng	99
87) Benzo(b)fluoranthene	15.84	252	40734	2.15	ng	# 91
88) Benzo(k)fluoranthene	15.84	252	40734	2.19	ng	95

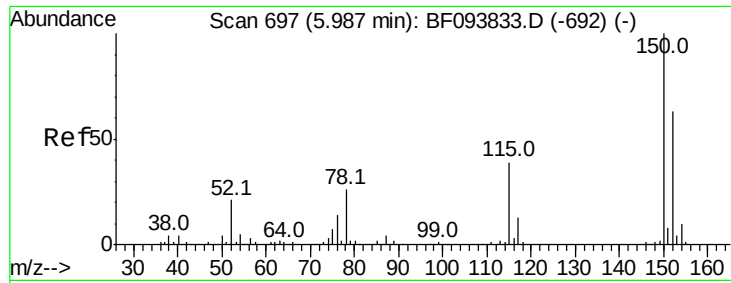
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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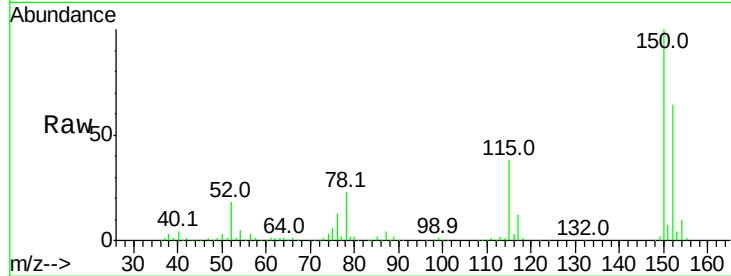


#1

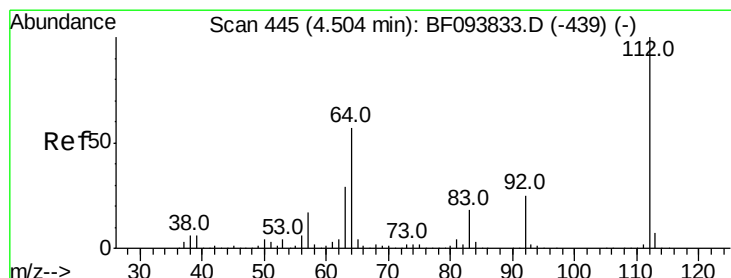
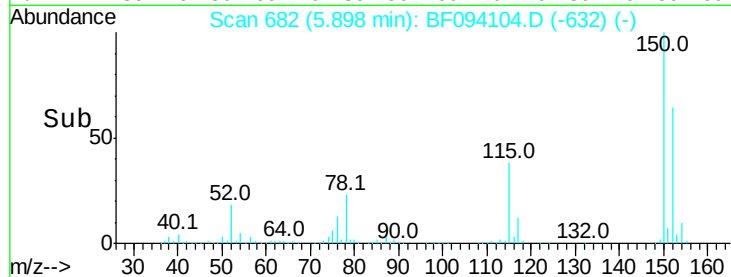
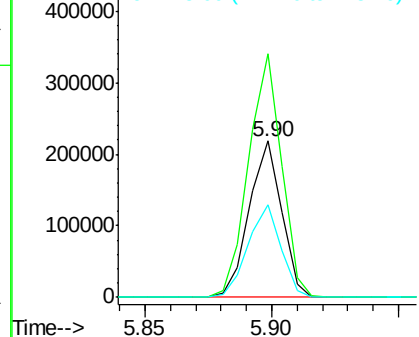
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.90 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF094104.D
Acq: 31 Mar 2017 18:57

Instrument :
BNA_F
ClientSampleId :
S-1

Tot Ion:152 Resp: 195465
Ion Ratio Lower Upper
152 100
150 155.9 126.2 189.2
115 59.5 52.2 78.2



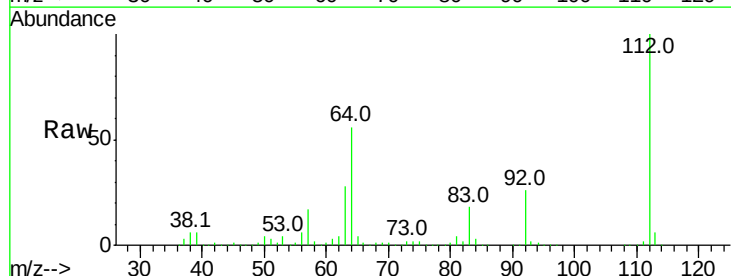
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



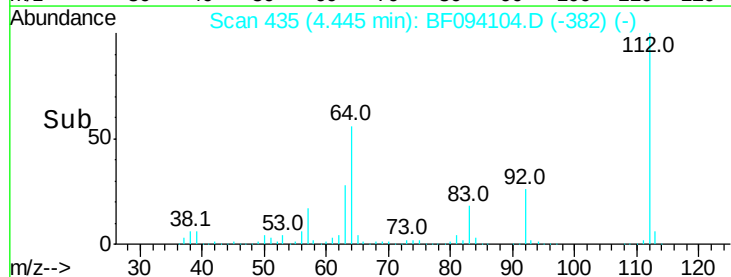
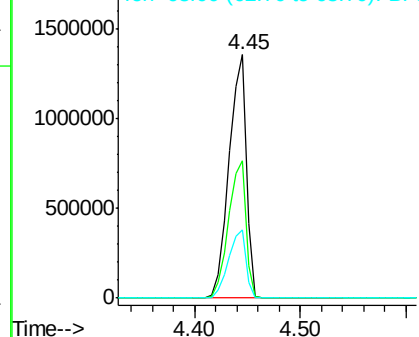
#5

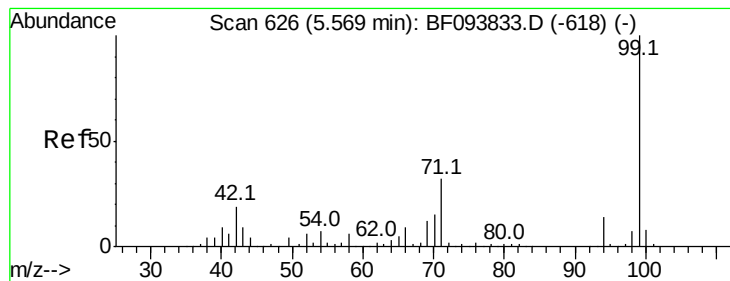
2-Fluorophenol
Concen: 133.73 ng
RT: 4.45 min Scan# 435
Delta R.T. 0.01 min
Lab File: BF094104.D
Acq: 31 Mar 2017 18:57

Tgt Ion:112 Resp: 1547663
Ion Ratio Lower Upper
112 100
64 56.4 46.0 69.0
63 27.8 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: 140.12 ng

RT: 5.51 min Scan# 616

Delta R.T. -0.00 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

Instrument :

BNA_F

ClientSampleId :

S-1

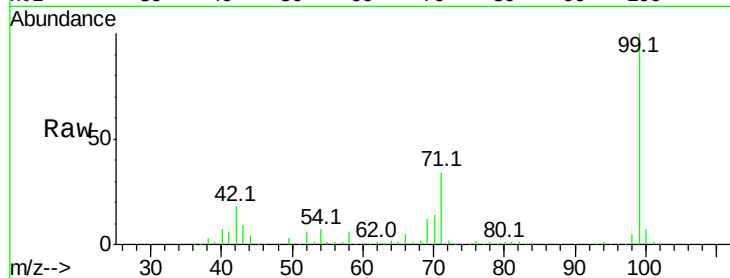
Tot Ion: 99 Resp: 2006037

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

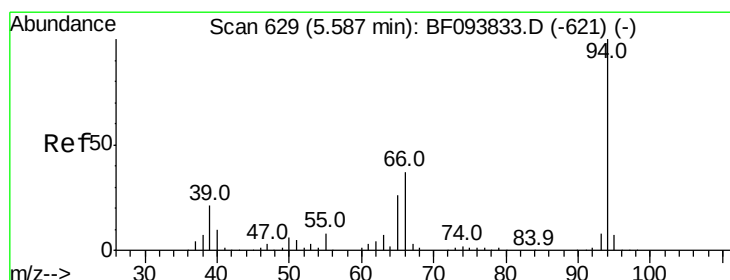
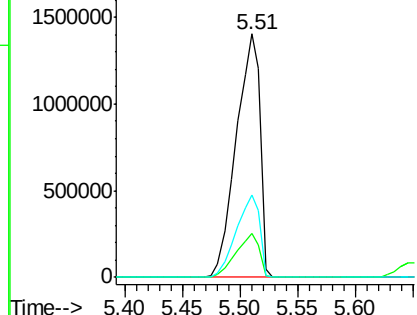
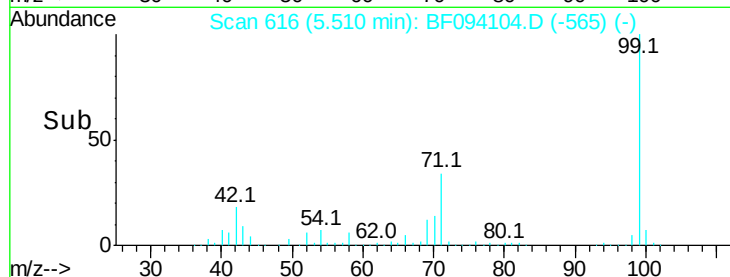
71 34.1 24.5 36.7



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: 3.37 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

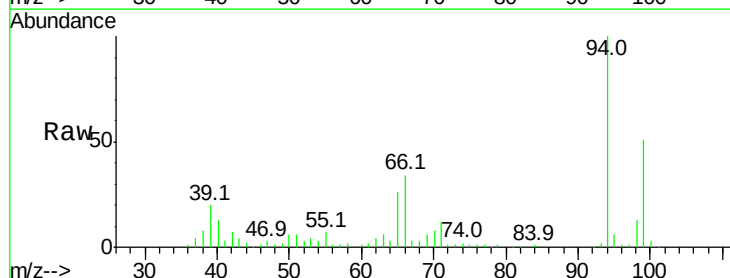
Tgt Ion: 94 Resp: 54901

Ion Ratio Lower Upper

94 100

65 26.1 9.9 49.9

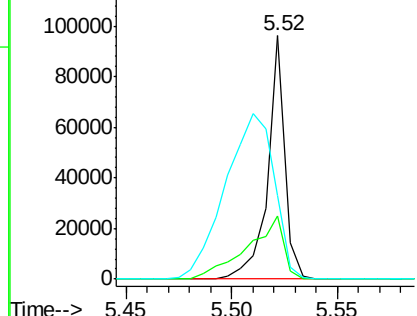
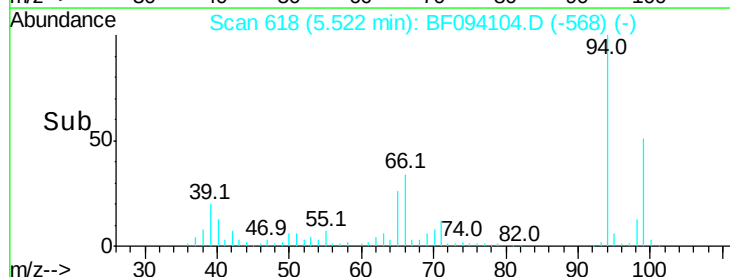
66 34.1 23.1 63.1

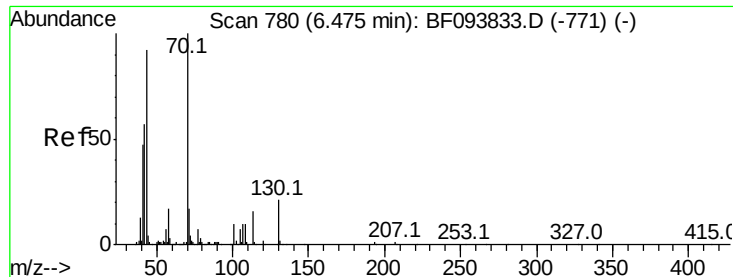


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 18.12 ng

RT: 6.55 min Scan# 793

Delta R.T. 0.16 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

Instrument :

BNA_F

ClientSampleId :

S-1

Tot Ion: 70 Resp: 166747

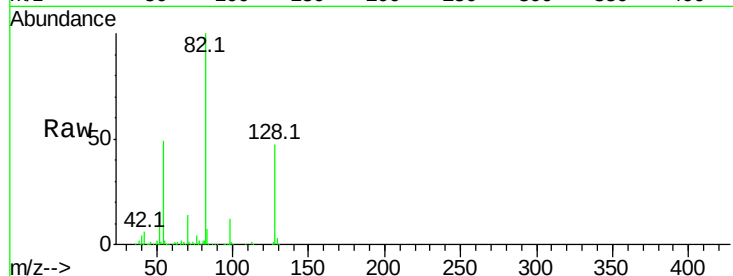
Ion Ratio Lower Upper

70 100

42 45.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

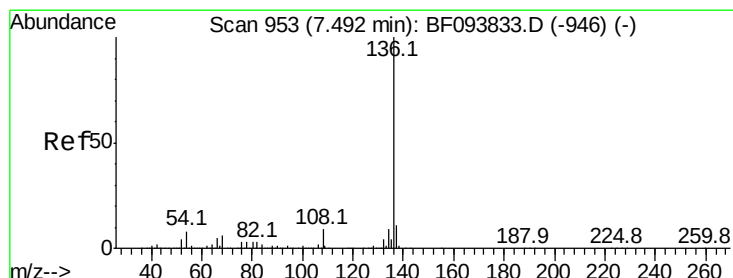
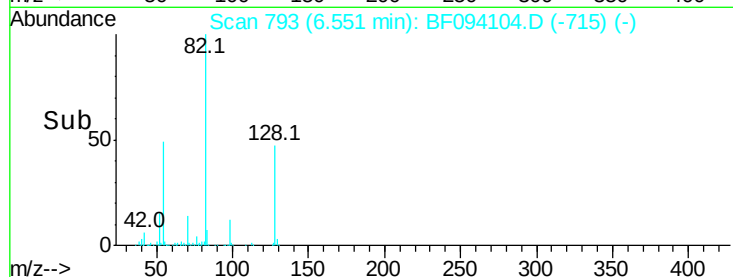
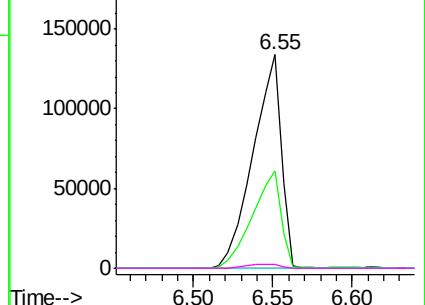


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

Tgt Ion: 136 Resp: 762243

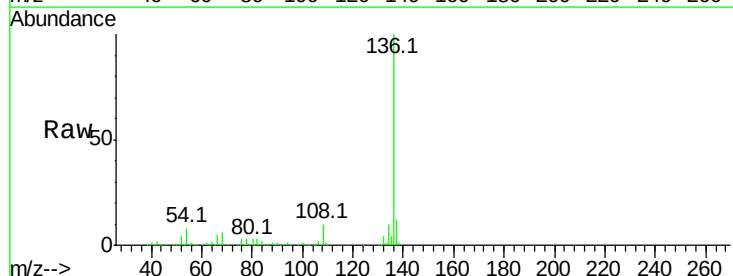
Ion Ratio Lower Upper

136 100

137 11.7 8.5 12.7

54 7.6 4.9 7.3#

68 5.9 4.1 6.1

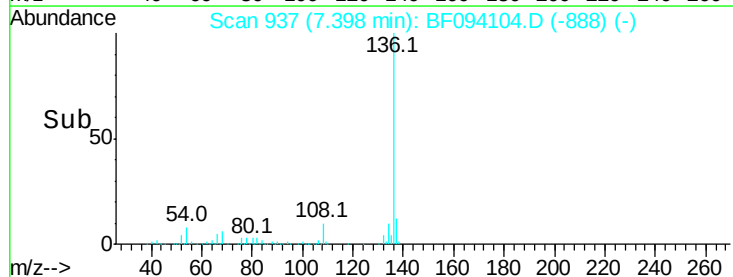
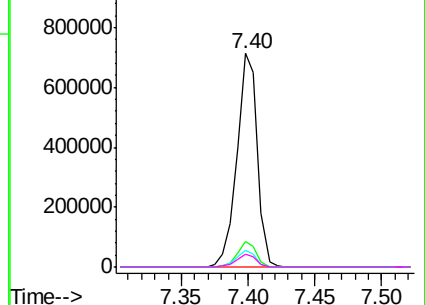


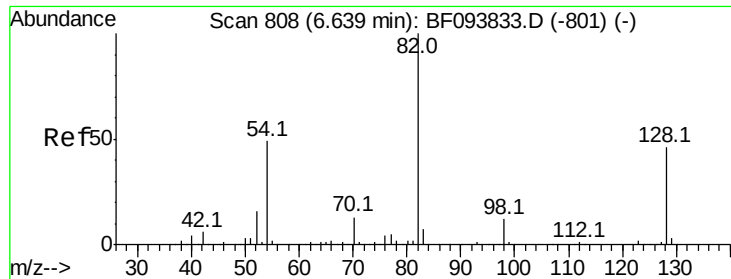
Abundance Ion 136.00 (135.70 to 136.70): BF0

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

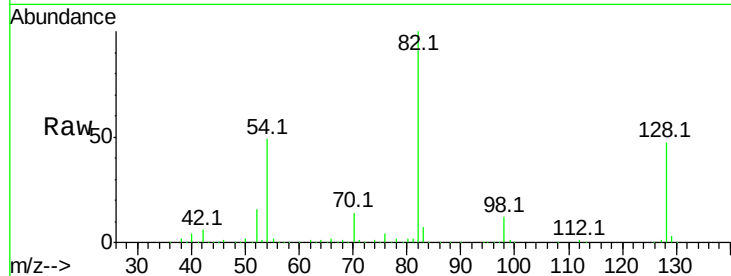




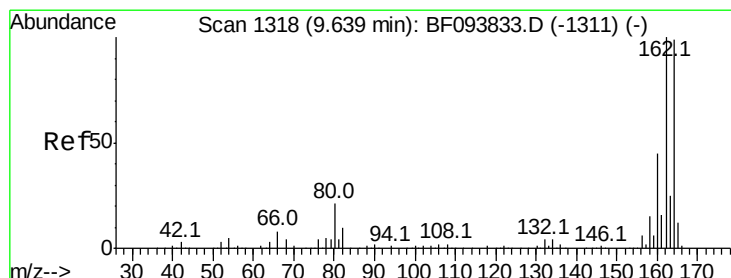
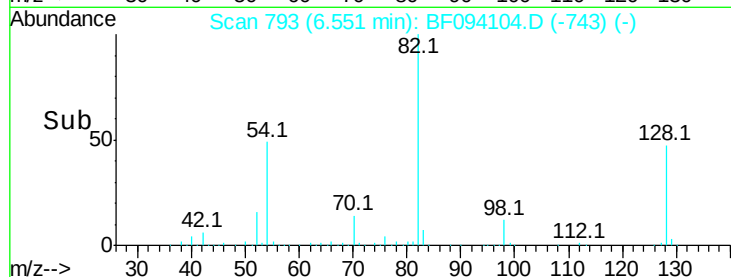
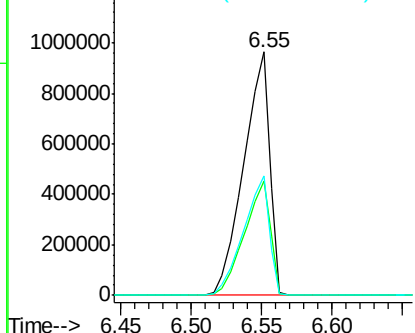
#23
 Nitrobenzene-d5
 Concen: 92.99 ng
 RT: 6.55 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: BF094104.D
 Acq: 31 Mar 2017 18:57

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Tot Ion: 82 Resp: 1241984
 Ion Ratio Lower Upper
 82 100
 128 46.9 34.0 51.0
 54 49.0 42.2 63.2

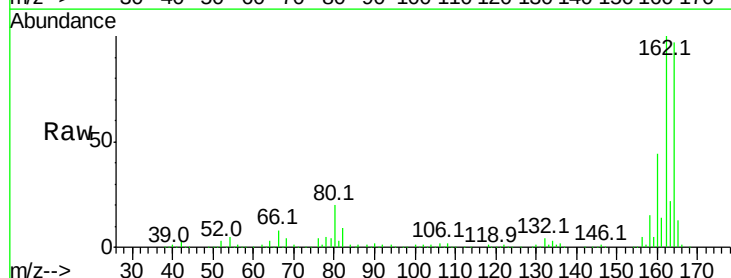


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

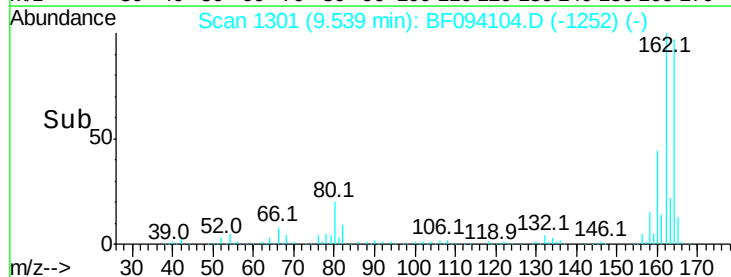
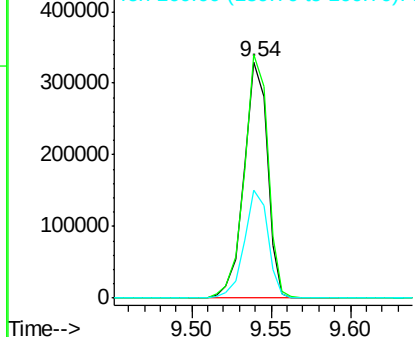


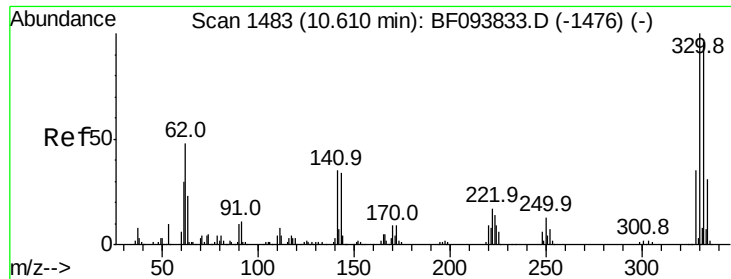
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF094104.D
 Acq: 31 Mar 2017 18:57

Tgt Ion:164 Resp: 336520
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 123.8
 160 45.7 36.2 54.2



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: 141.37 ng

RT: 10.52 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

Instrument :

BNA_F

ClientSampleId :

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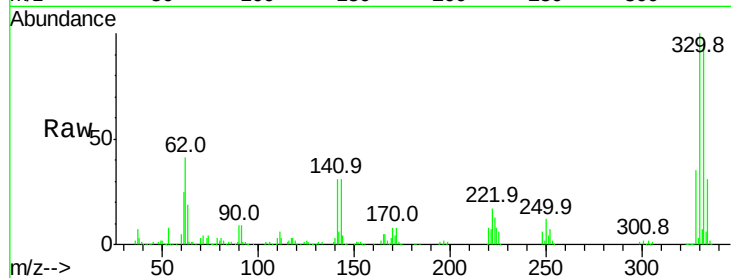
Tot Ion:330 Resp: 375944

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

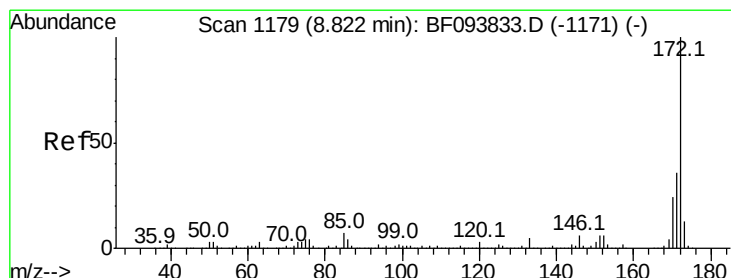
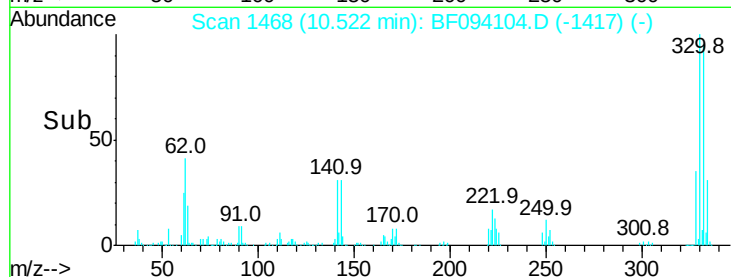
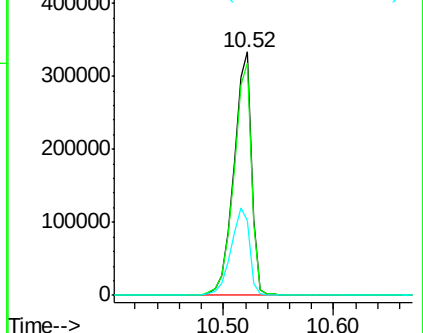
141 37.8 31.4 47.2



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: 87.29 ng

RT: 8.73 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

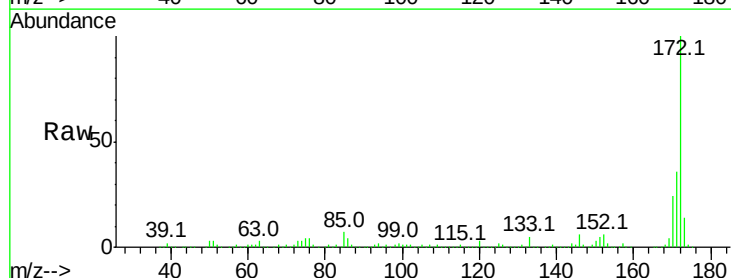
Tgt Ion:172 Resp: 1925845

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

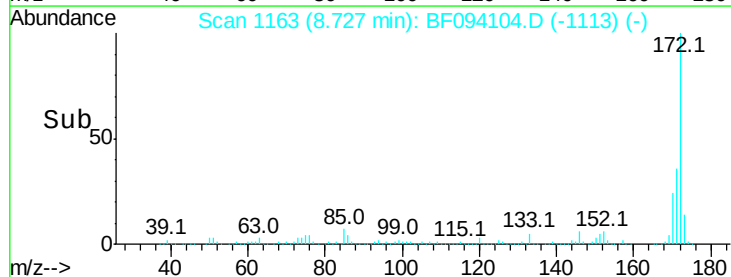
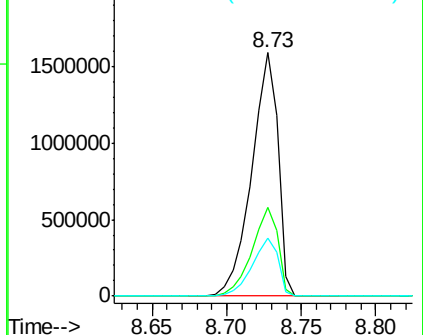
170 24.0 19.8 29.8

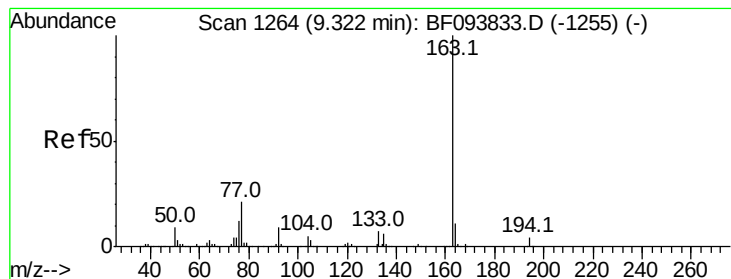


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.07 ng

RT: 9.22 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

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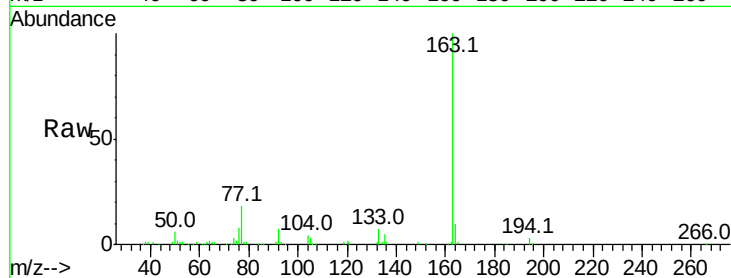
Tot Ion:163 Resp: 145151

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

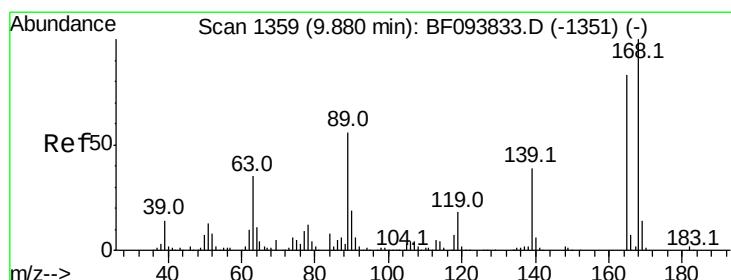
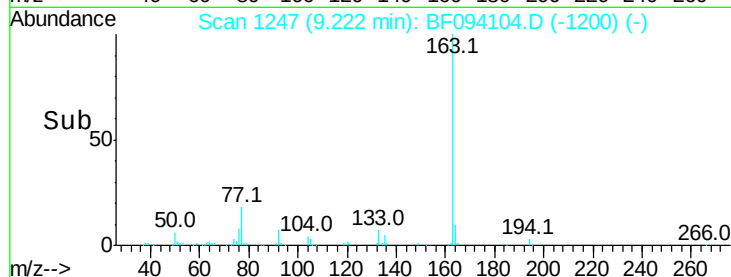
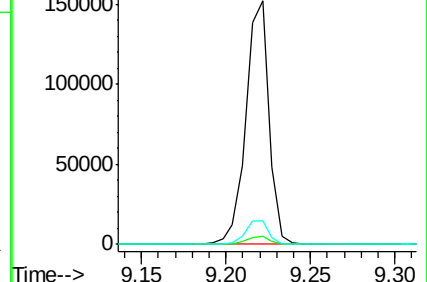
164 9.6 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 6.48 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.26 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

Tgt Ion:165 Resp: 44633

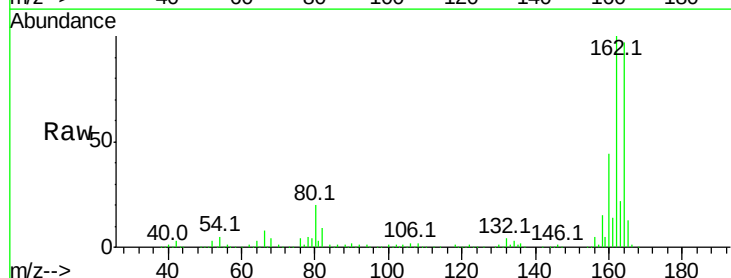
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 1.1 46.4 69.6#

182 0.0 1.8 2.6#

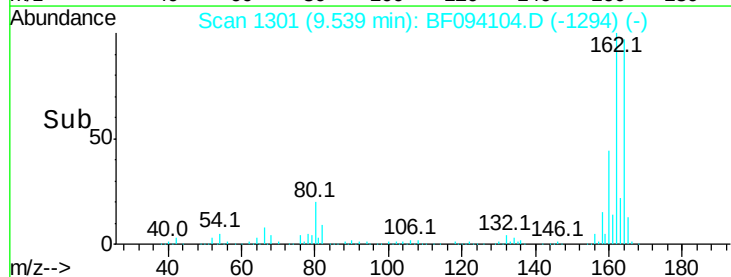
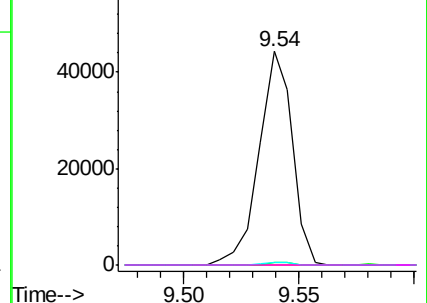


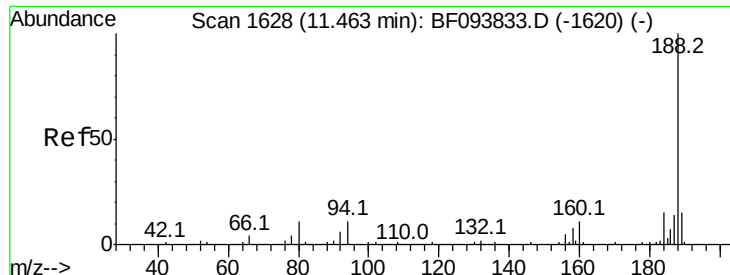
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

Instrument :

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ClientSampleId :

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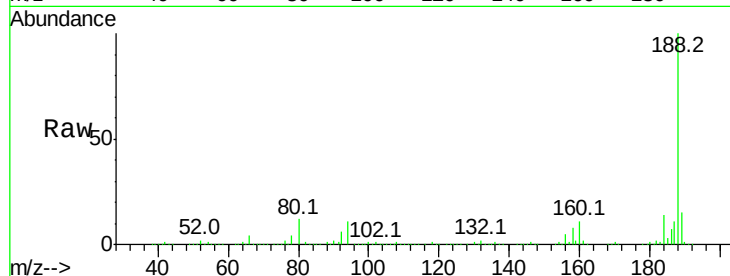
Tot Ion:188 Resp: 547264

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

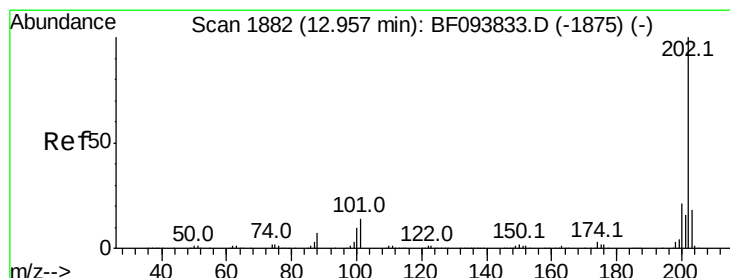
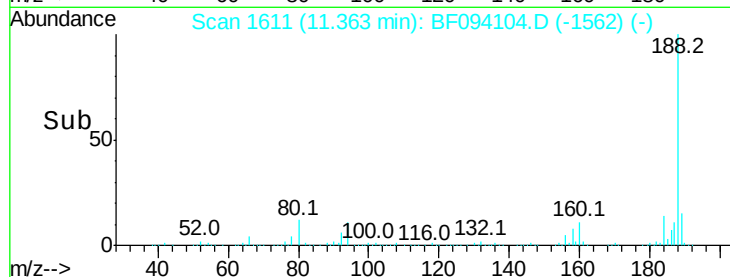
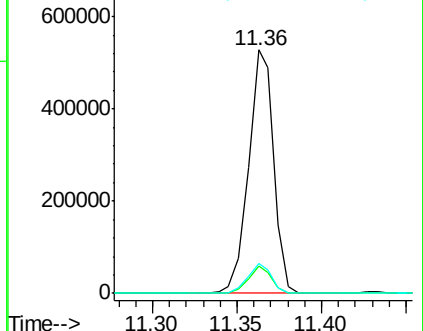
80 12.4 10.2 15.2



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: 2.21 ng

RT: 12.86 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

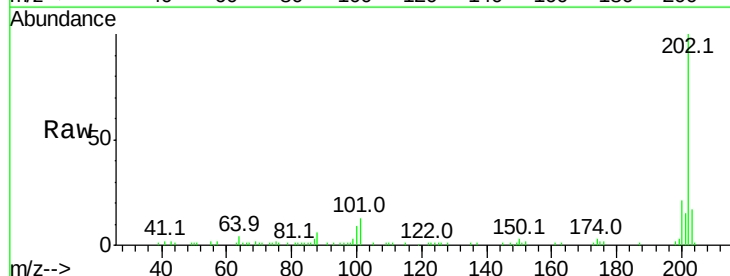
Tgt Ion:202 Resp: 68780

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

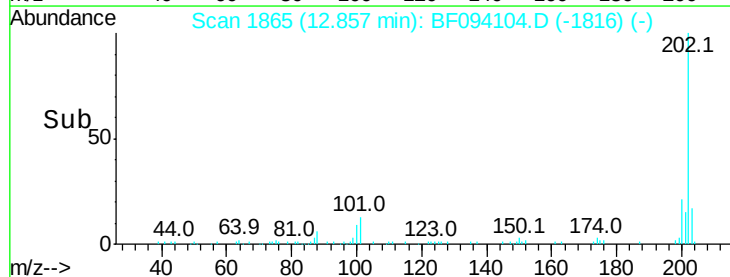
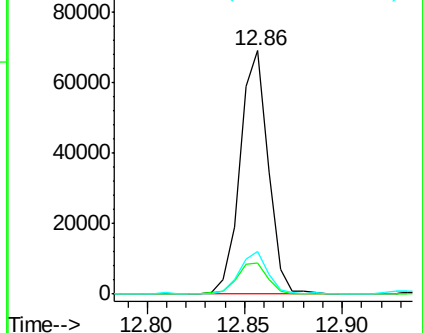
203 17.3 0.0 38.1

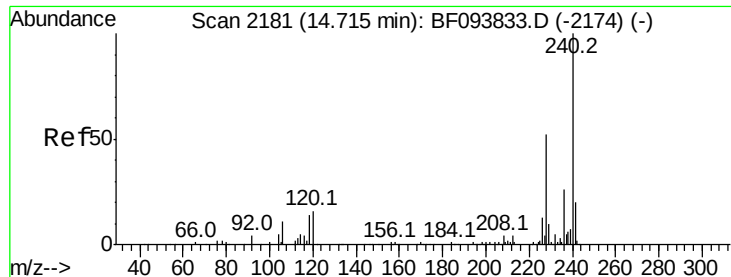


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

Instrument :

BNA_F

ClientSampleId :

S-1

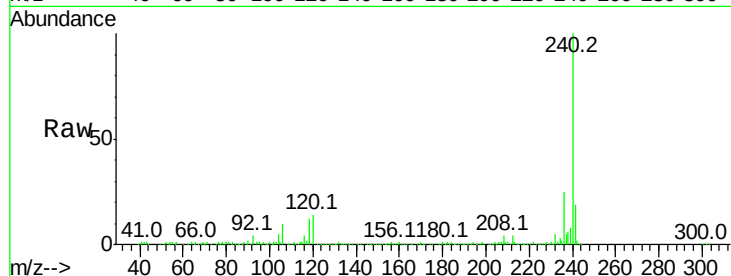
Tot Ion:240 Resp: 348934

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

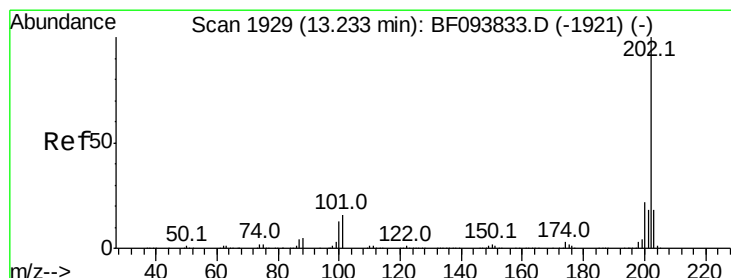
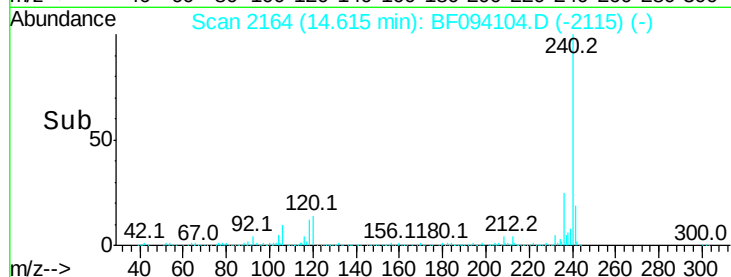
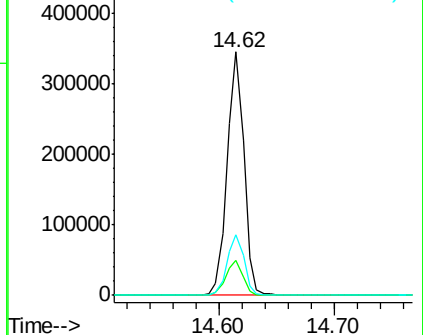
236 25.0 20.5 30.7



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: 2.18 ng

RT: 13.13 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

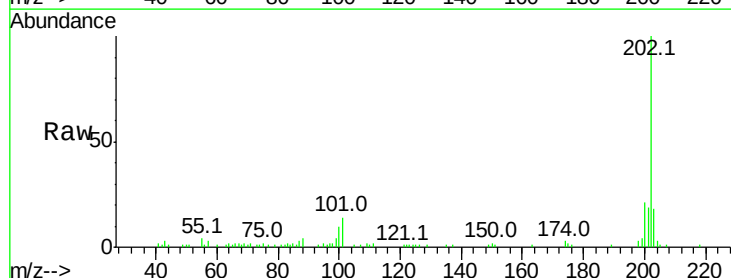
Tgt Ion:202 Resp: 55127

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

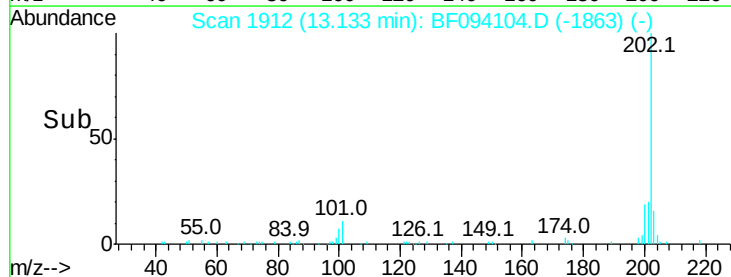
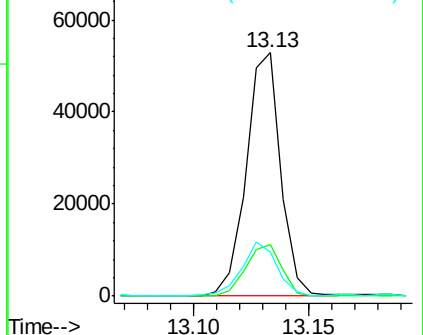
203 17.9 14.4 21.6

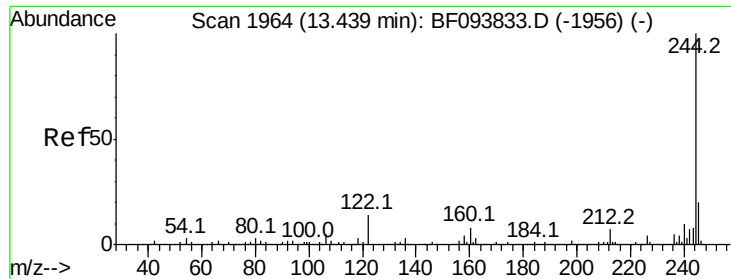


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 86.16 ng

RT: 13.35 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

Instrument :

BNA_F

ClientSampleId :

S-1

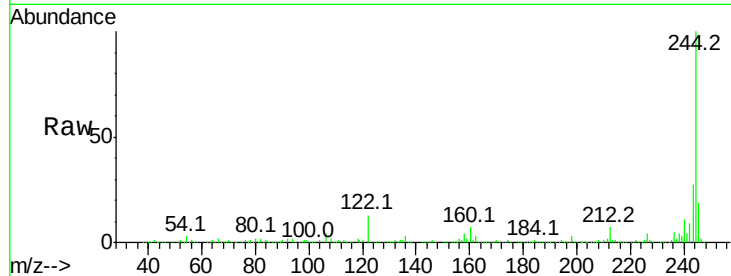
Tot Ion:244 Resp: 1341314

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

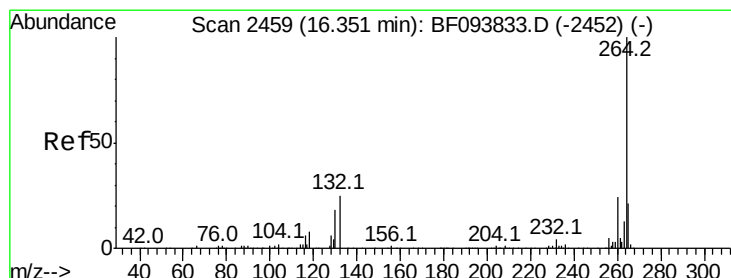
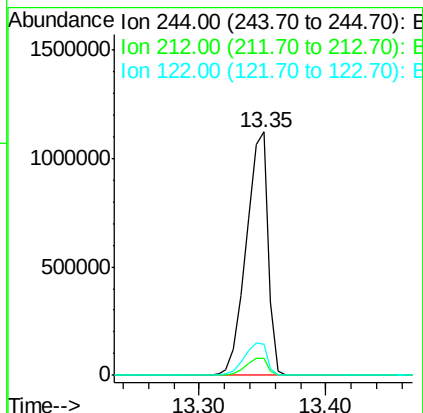
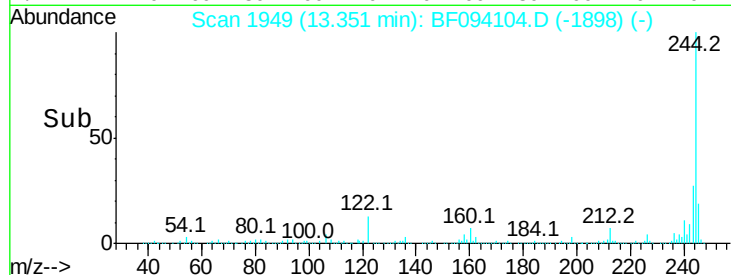
122 12.7 10.3 15.5



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: 16.24 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

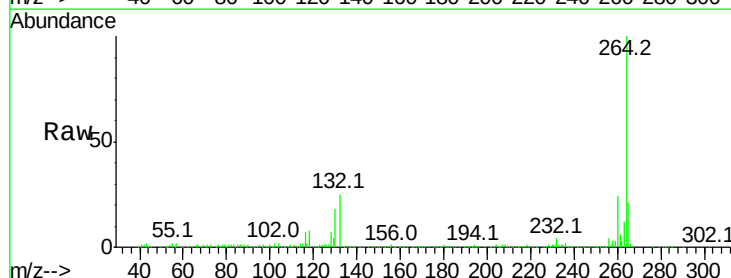
Tgt Ion:264 Resp: 309680

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

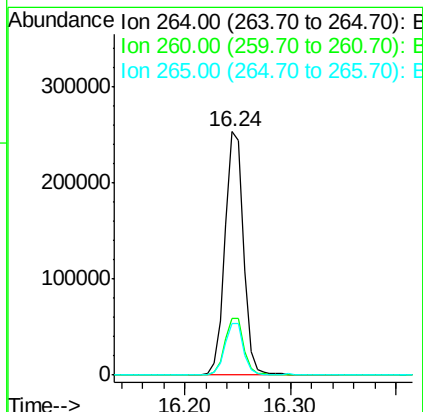
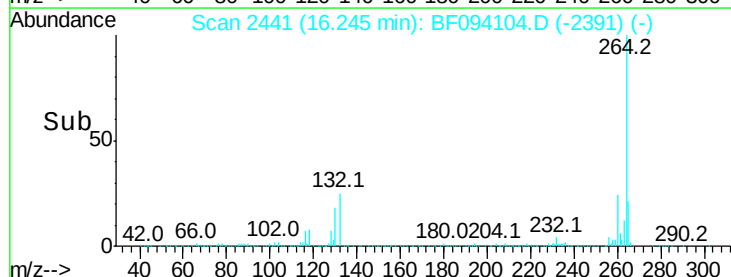
265 21.1 17.2 25.8

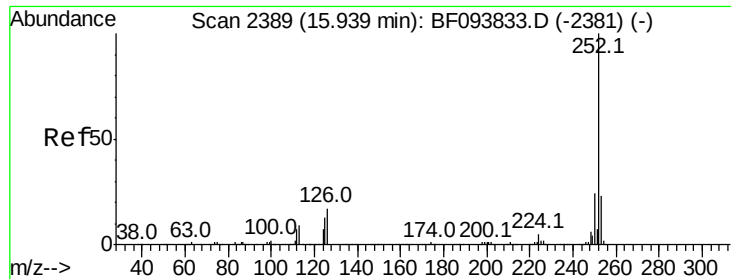


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.15 ng

RT: 15.84 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

Instrument :

BNA_F

ClientSampleId :

S-1

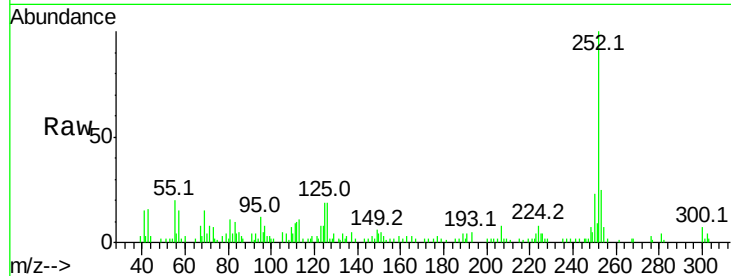
Tot Ion:252 Resp: 40734

Ion Ratio Lower Upper

252 100

253 25.0 18.1 27.1

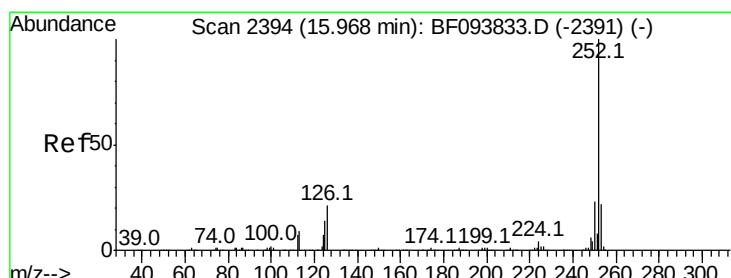
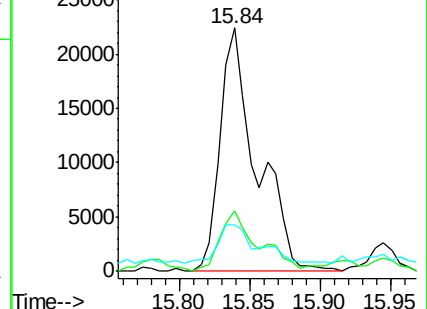
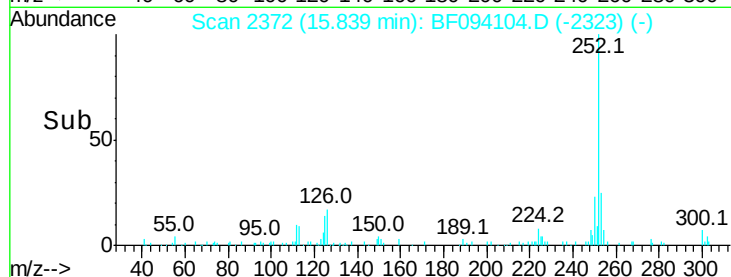
125 19.2 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 2.19 ng

RT: 15.84 min Scan# 2372

Delta R.T. -0.04 min

Lab File: BF094104.D

Acq: 31 Mar 2017 18:57

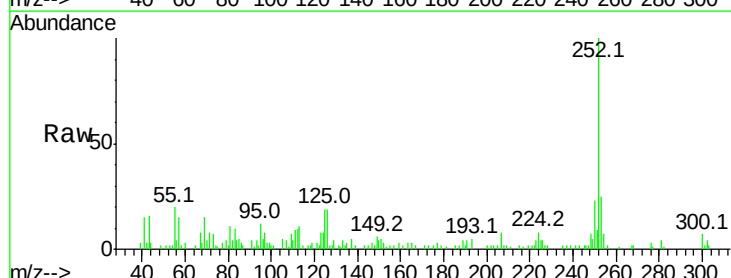
Tgt Ion:252 Resp: 40734

Ion Ratio Lower Upper

252 100

253 25.0 18.4 27.6

125 19.2 13.1 19.7



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

