

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050417\
 Data File : BF094886.D
 Acq On : 4 May 2017 21:43
 Operator : SJ/MA
 Sample : I2956-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 05 01:25:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

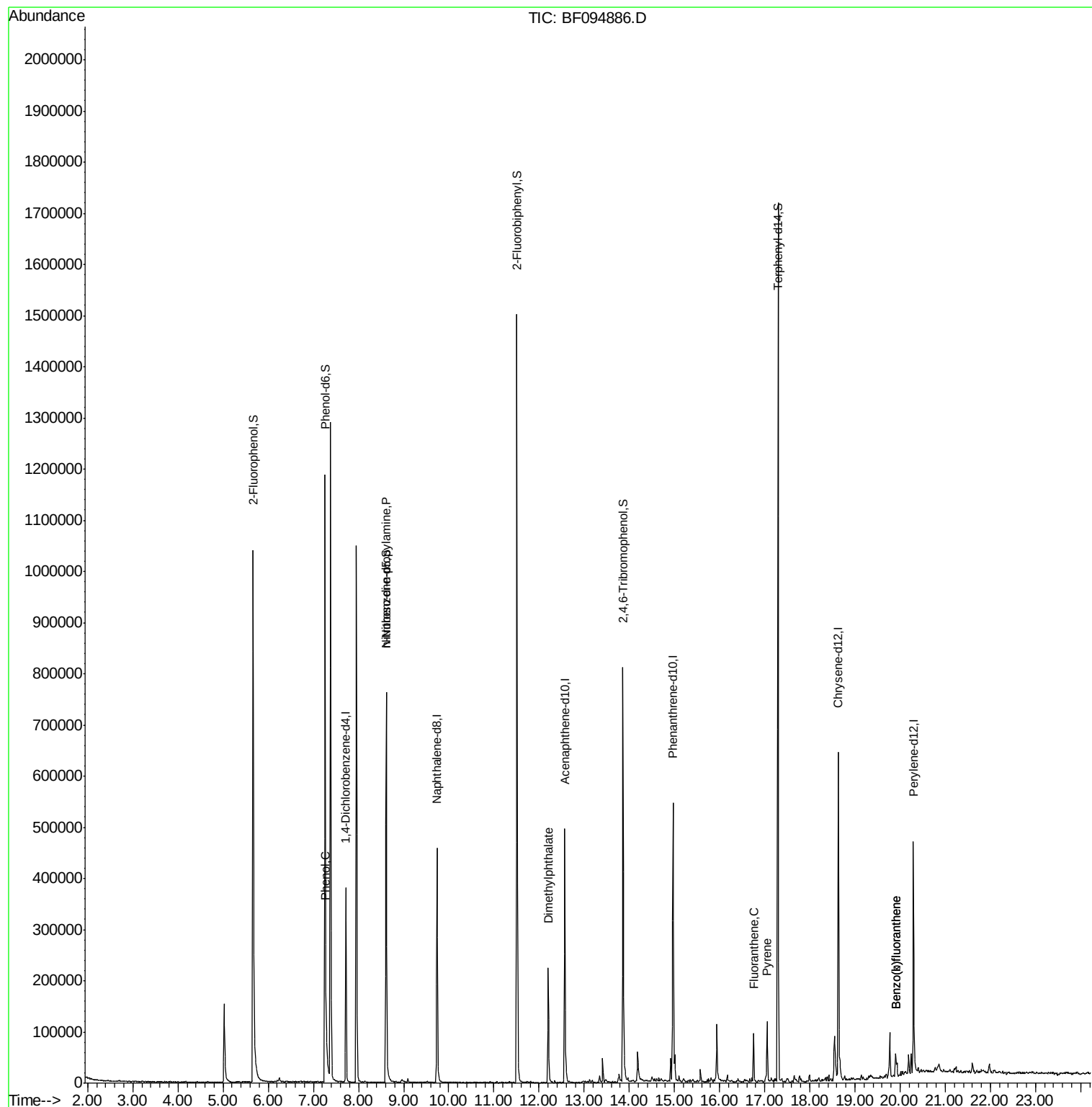
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	78673	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	311212	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	148114	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	286641	20.00	ng	-0.01
75) Chrysene-d12	18.63	240	265594	20.00	ng	-0.02
86) Perylene-d12	20.30	264	199258	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	505770	107.18	ng	-0.01
7) Phenol-d6	7.26	99	608594	107.49	ng	-0.02
23) Nitrobenzene-d5	8.61	82	353896	71.71	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	137353	113.23	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	631550	61.37	ng	-0.02
78) Terphenyl-d14	17.29	244	630182	52.26	ng	-0.02
Target Compounds						
10) Phenol	7.28	94	12515	2.10	ng	# 74
19) n-Nitroso-di-n-propylamine	8.61	70	44514	11.62	ng	# 75
49) Dimethylphthalate	12.21	163	139315	11.46	ng	97
74) Fluoranthene	16.75	202	49671	2.94	ng	97
77) Pyrene	17.05	202	55250	2.78	ng	95
87) Benzo(b)fluoranthene	19.90	252	32972	2.68	ng	# 89
88) Benzo(k)fluoranthene	19.90	252	32972	2.78	ng	94

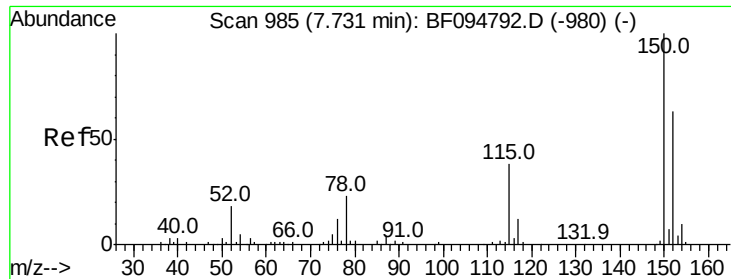
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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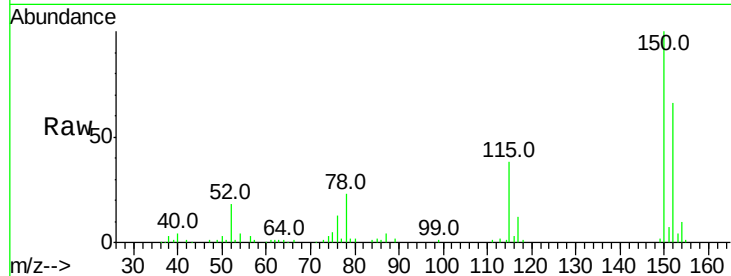


#1

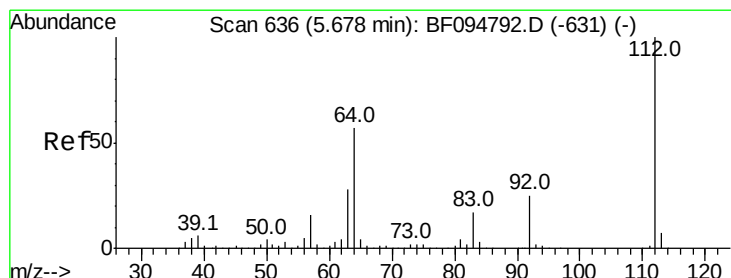
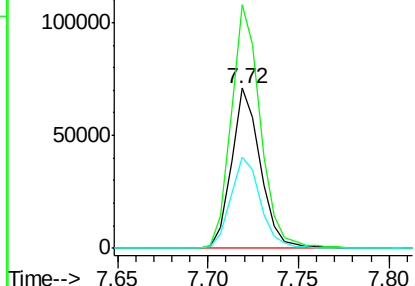
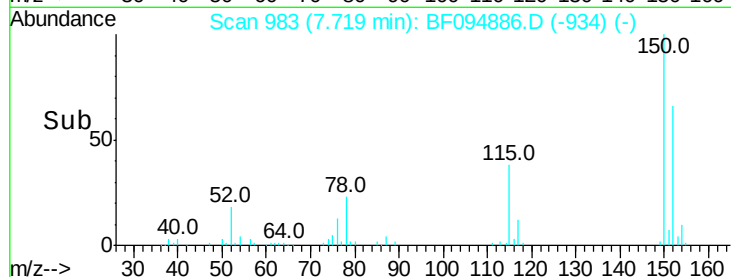
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF094886.D
Acq: 4 May 2017 21:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 78673
Ion Ratio Lower Upper
152 100
150 151.8 126.2 189.2
115 57.2 52.2 78.2



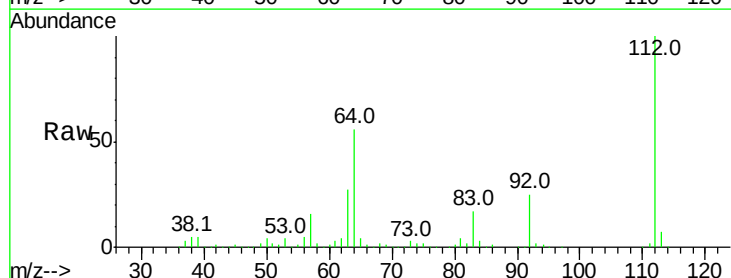
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



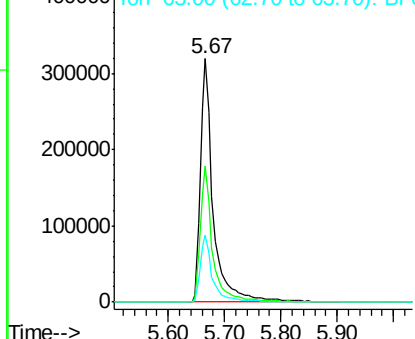
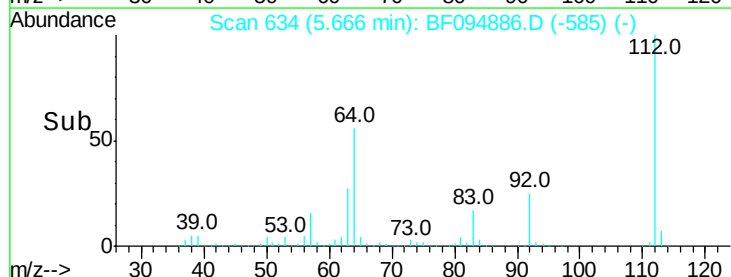
#5

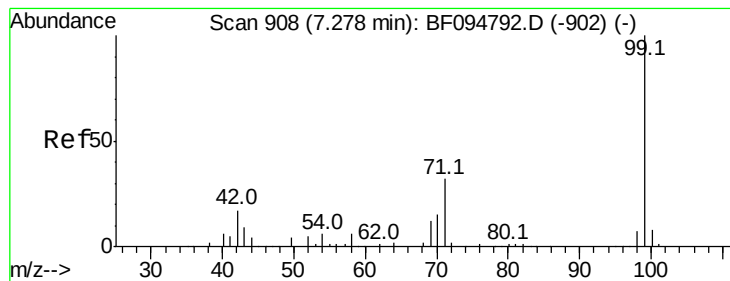
2-Fluorophenol
Concen: 107.18 ng
RT: 5.67 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF094886.D
Acq: 4 May 2017 21:43

Tgt Ion:112 Resp: 505770
Ion Ratio Lower Upper
112 100
64 56.0 46.0 69.0
63 27.3 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: 107.49 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094886.D

Acq: 4 May 2017 21:43

Instrument :

BNA_F

ClientSampled :

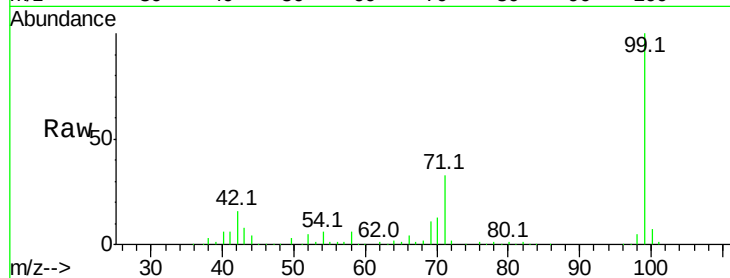
Tot Ion: 99 Resp: 608594

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

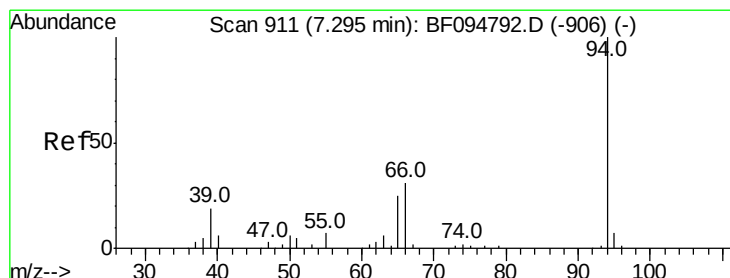
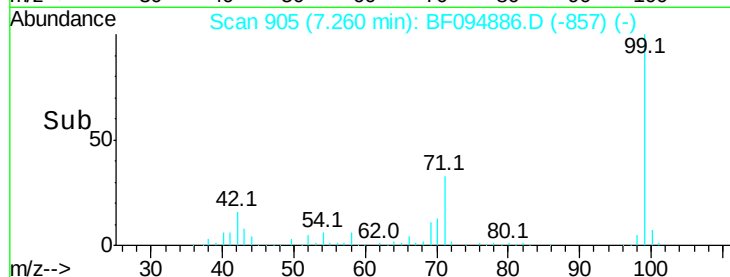
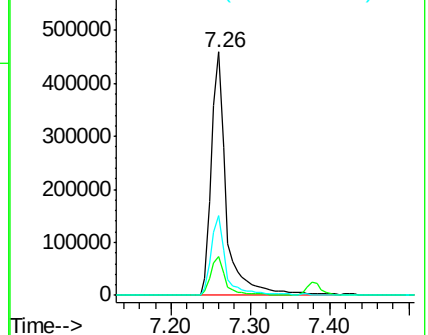
71 32.6 24.5 36.7



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: 2.10 ng

RT: 7.28 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF094886.D

Acq: 4 May 2017 21:43

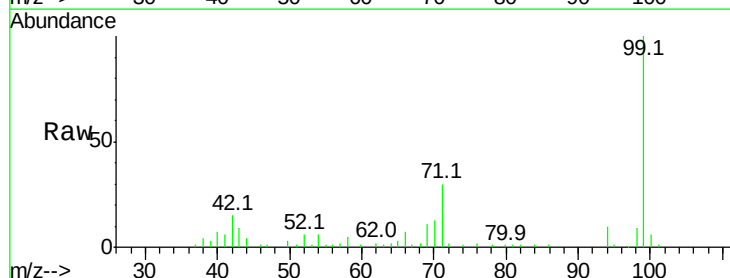
Tgt Ion: 94 Resp: 12515

Ion Ratio Lower Upper

94 100

65 27.8 9.9 49.9

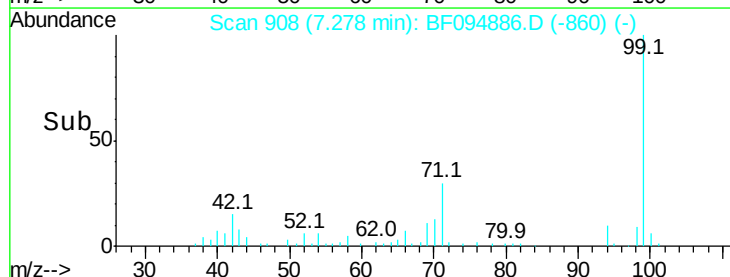
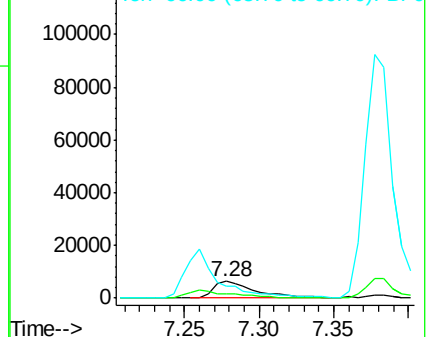
66 69.7 23.1 63.1#

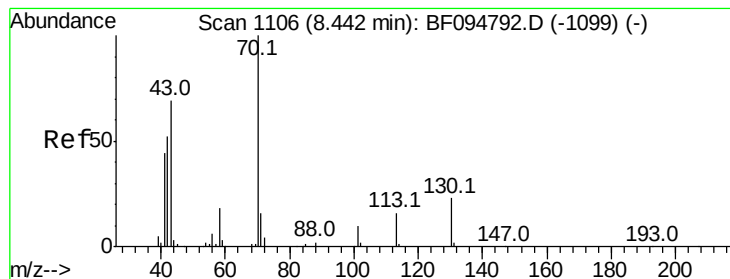


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 11.62 ng

RT: 8.61 min Scan# 1135

Delta R.T. 0.17 min

Lab File: BF094886.D

Acq: 4 May 2017 21:43

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 44514

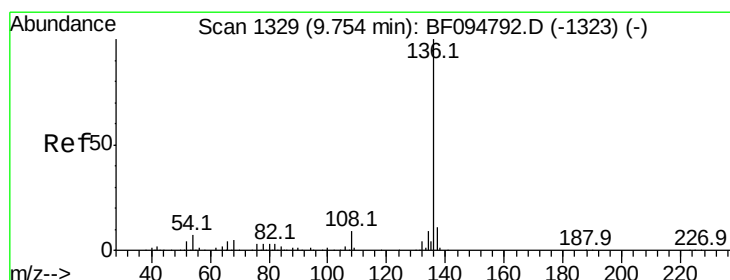
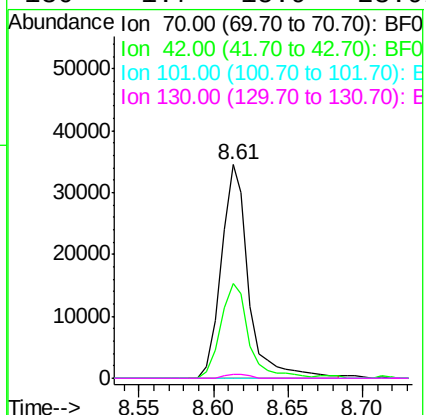
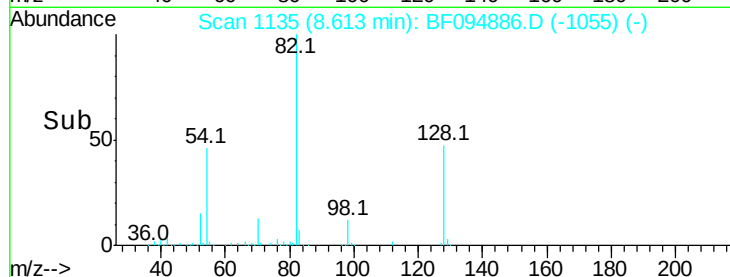
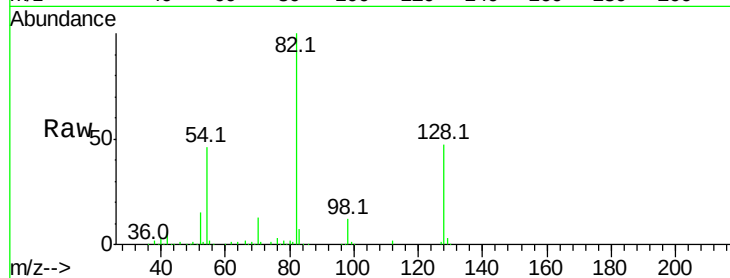
Ion Ratio Lower Upper

70 100

42 44.1 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.74 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF094886.D

Acq: 4 May 2017 21:43

Tgt Ion: 136 Resp: 311212

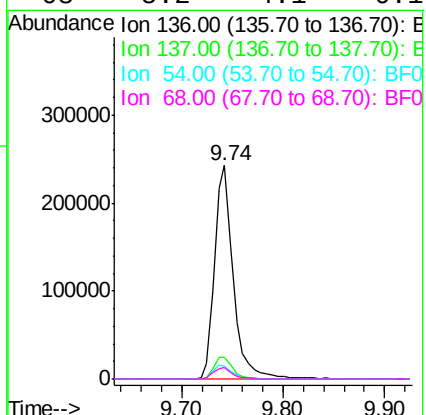
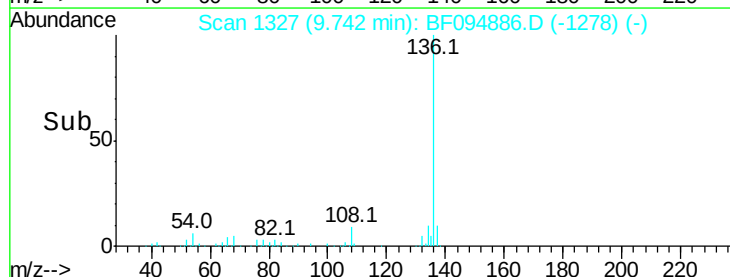
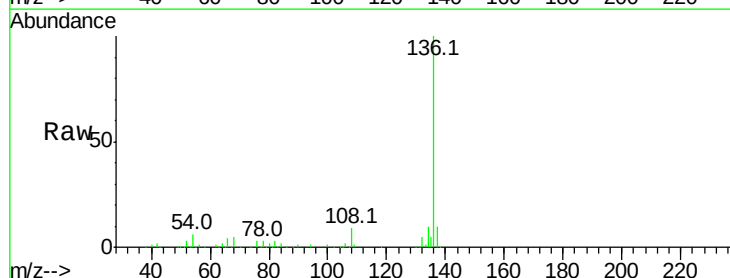
Ion Ratio Lower Upper

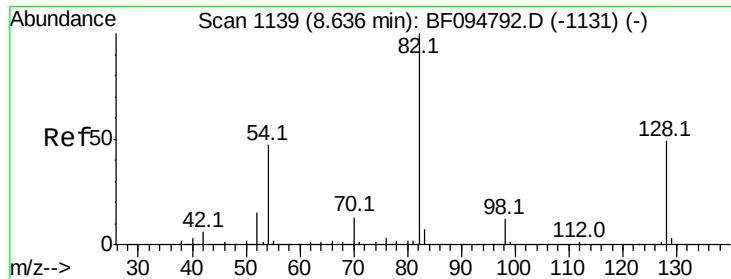
136 100

137 10.4 8.5 12.7

54 6.3 4.9 7.3

68 5.2 4.1 6.1

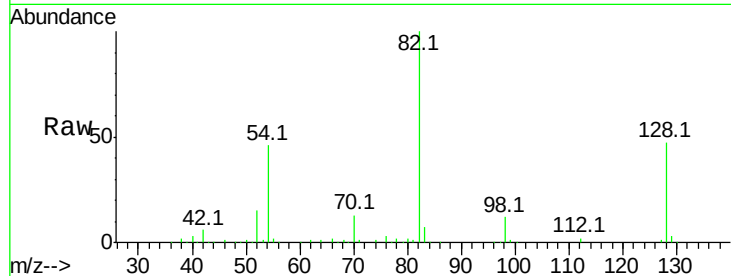




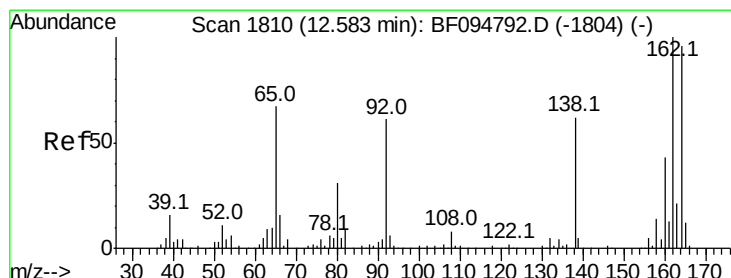
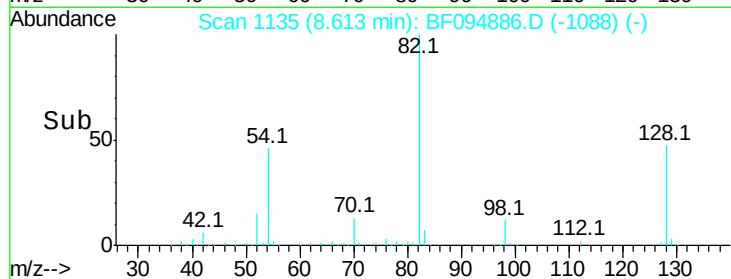
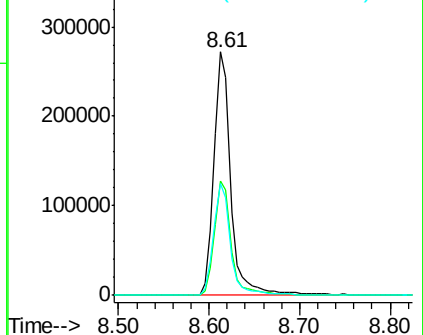
#23
Nitrobenzene-d5
Concen: 71.71 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF094886.D
Acq: 4 May 2017 21:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 353896
Ion Ratio Lower Upper
82 100
128 47.1 34.0 51.0
54 46.1 42.2 63.2

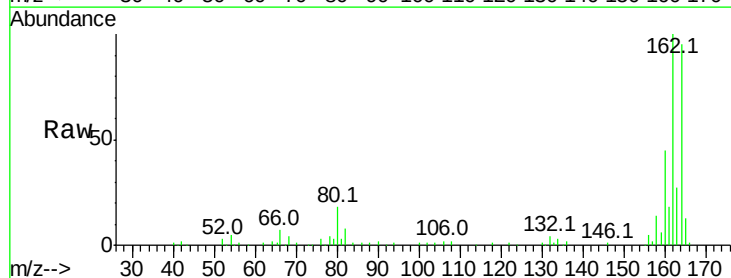


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

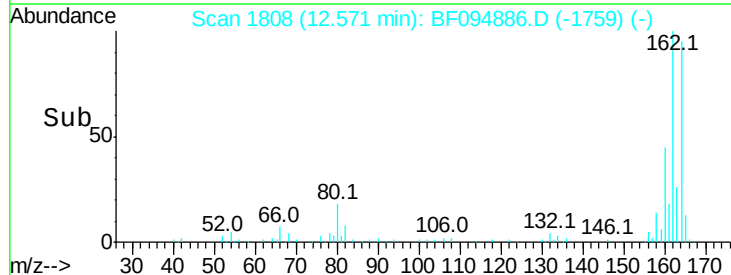
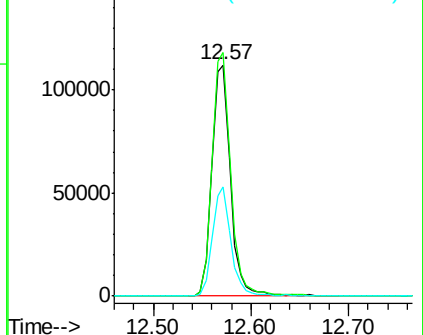


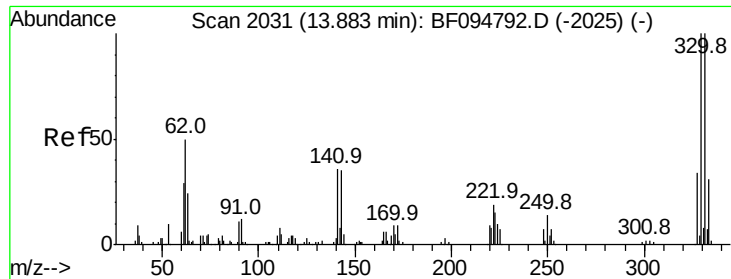
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.57 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF094886.D
Acq: 4 May 2017 21:43

Tgt Ion:164 Resp: 148114
Ion Ratio Lower Upper
164 100
162 105.4 82.6 123.8
160 47.0 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

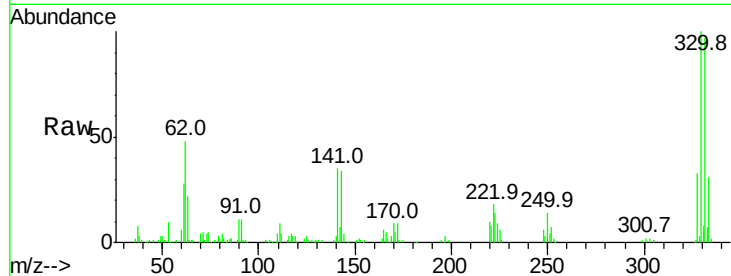




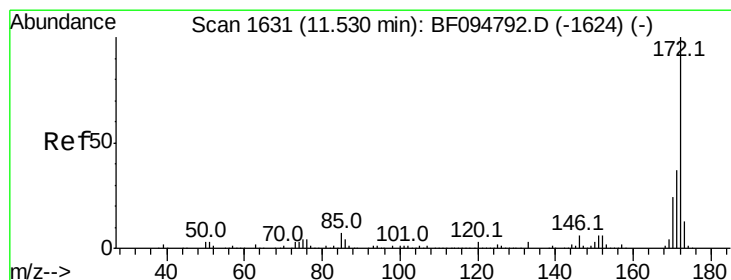
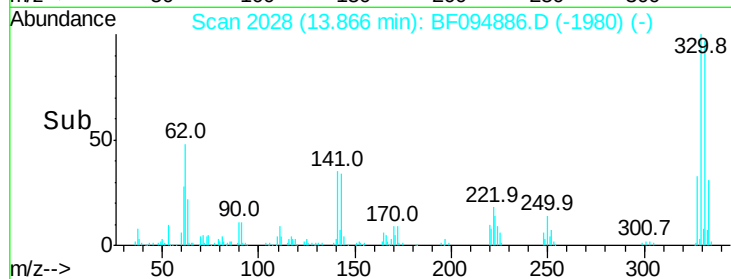
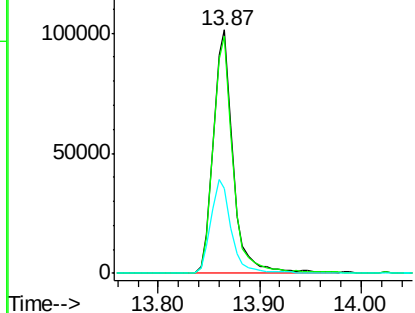
#41
 2,4,6-Tribromophenol
 Concen: 113.23 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF094886.D
 Acq: 4 May 2017 21:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	39.9	31.4	47.2

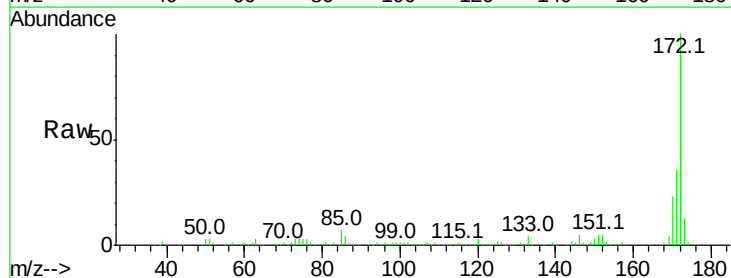


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

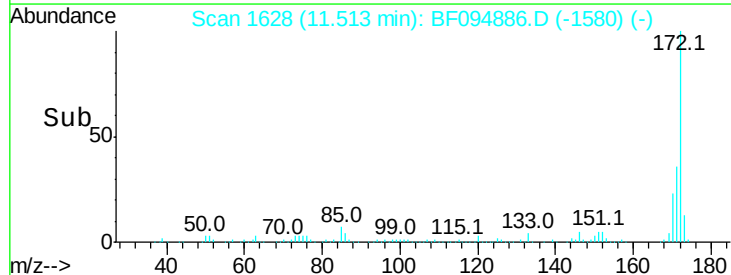
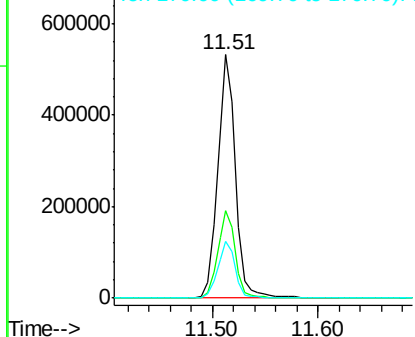


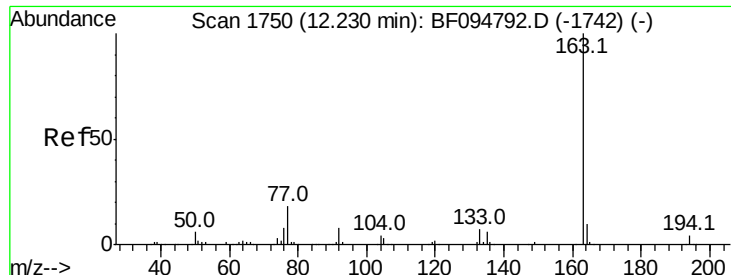
#44
 2-Fluorobiphenyl
 Concen: 61.37 ng
 RT: 11.51 min Scan# 1628
 Delta R.T. -0.02 min
 Lab File: BF094886.D
 Acq: 4 May 2017 21:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.2	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: 11.46 ng

RT: 12.21 min Scan# 1746

Delta R.T. -0.02 min

Lab File: BF094886.D

Acq: 4 May 2017 21:43

Instrument :

BNA_F

ClientSampled :

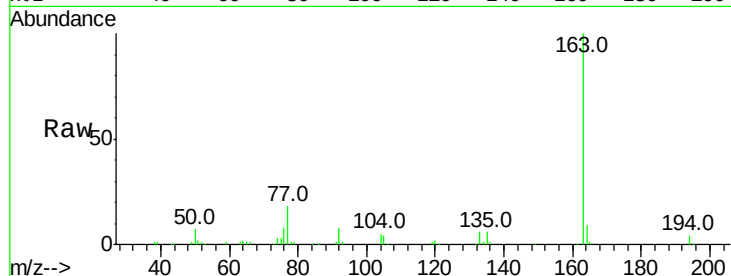
Tot Ion:163 Resp: 139315

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

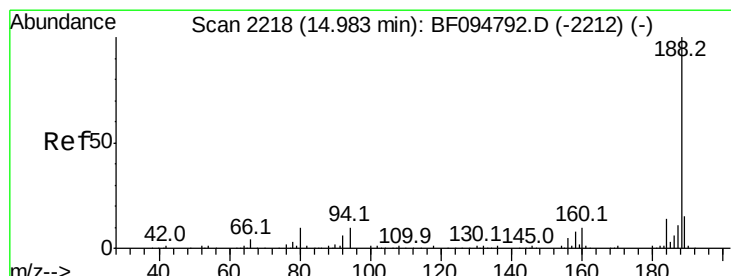
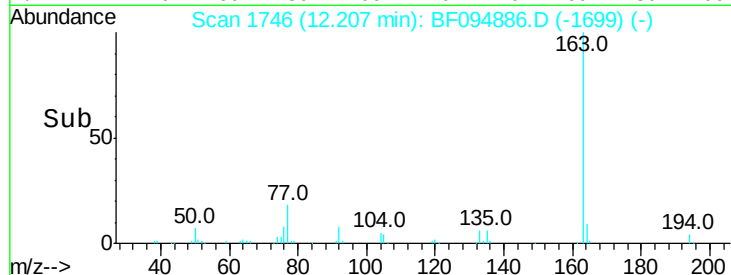
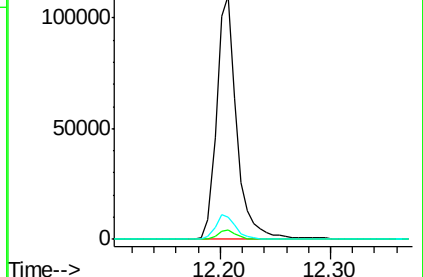
164 9.1 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.97 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BF094886.D

Acq: 4 May 2017 21:43

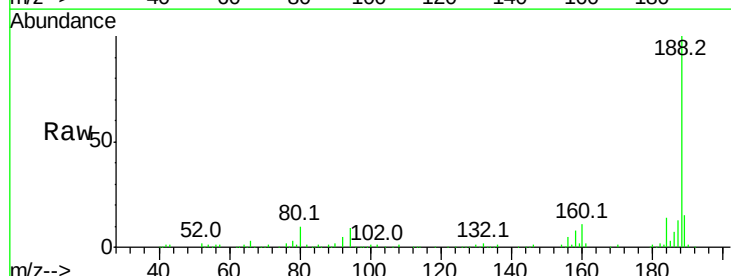
Tgt Ion:188 Resp: 286641

Ion Ratio Lower Upper

188 100

94 9.4 9.4 14.2#

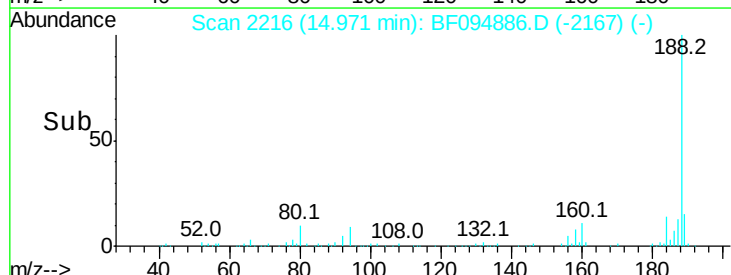
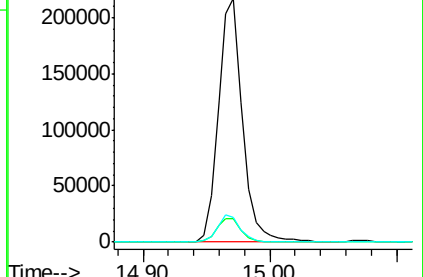
80 10.1 10.2 15.2#

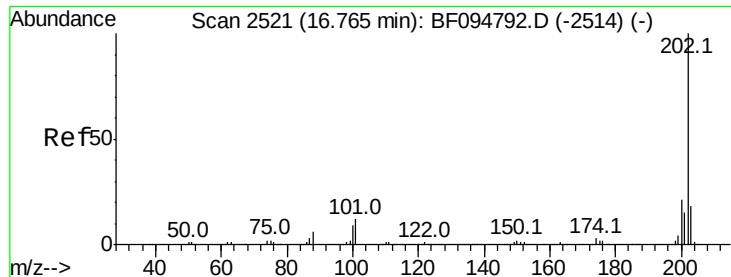


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

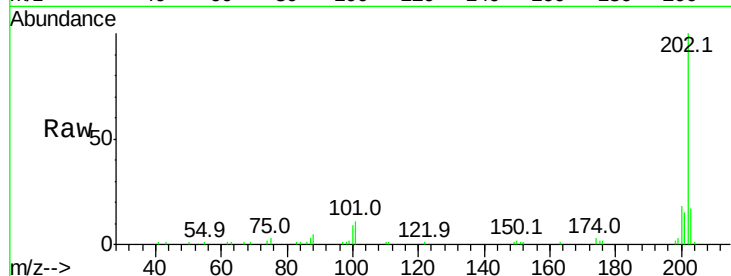




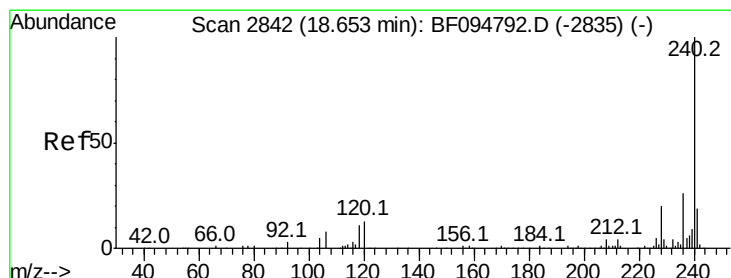
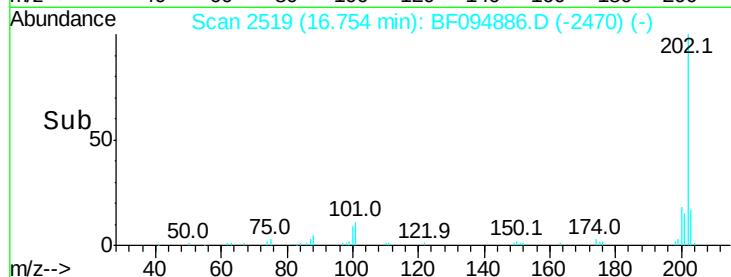
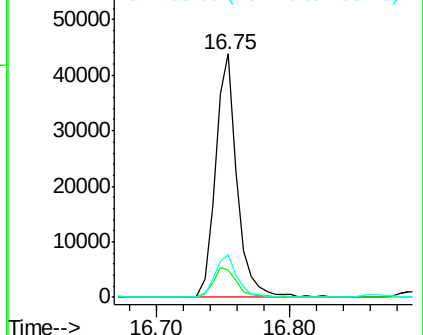
#74
 Fluoranthene
 Concen: 2.94 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF094886.D
 Acq: 4 May 2017 21:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 49671
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 33.2
 203 17.4 0.0 38.1

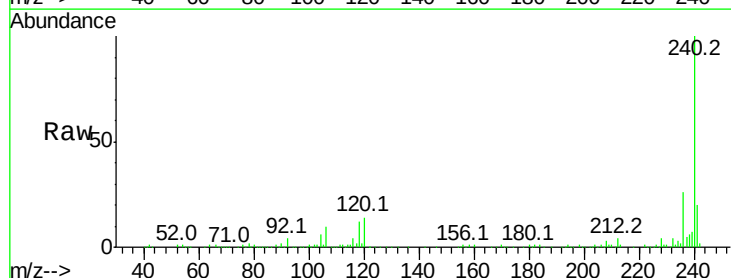


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

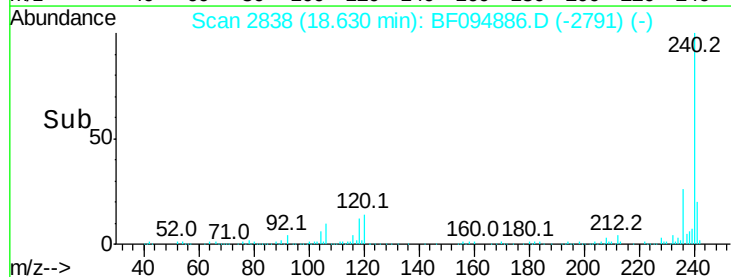
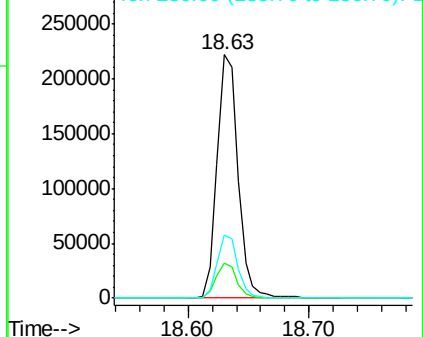


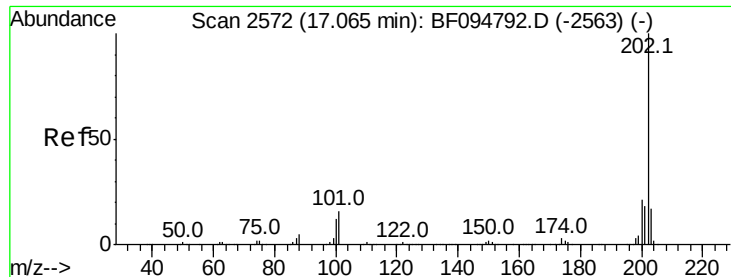
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.63 min Scan# 2838
 Delta R.T. -0.02 min
 Lab File: BF094886.D
 Acq: 4 May 2017 21:43

Tgt Ion:240 Resp: 265594
 Ion Ratio Lower Upper
 240 100
 120 14.5 5.8 8.8#
 236 25.8 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

Pvrene

Concen: 2.78 ng

RT: 17.05 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BF094886.D

Acq: 4 May 2017 21:43

Instrument :

BNA_F

ClientSampleId :

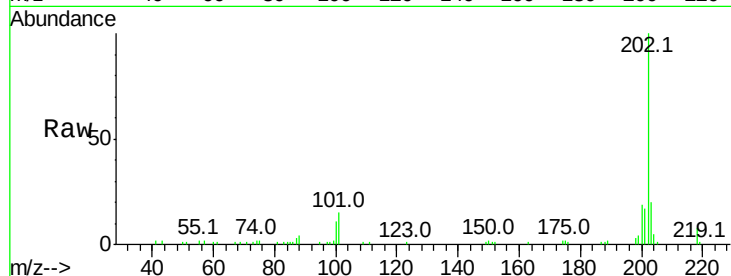
Tot Ion:202 Resp: 55250

Ion Ratio Lower Upper

202 100

200 19.3 17.6 26.4

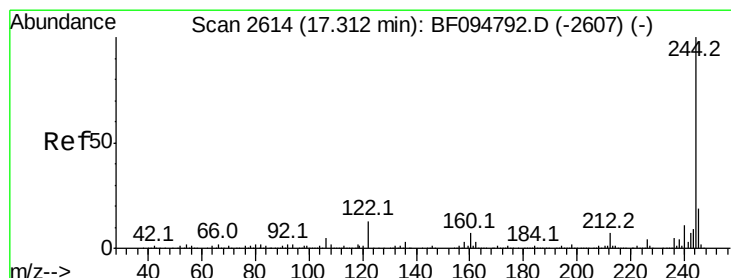
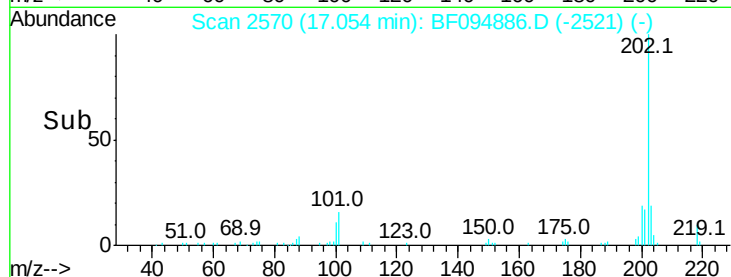
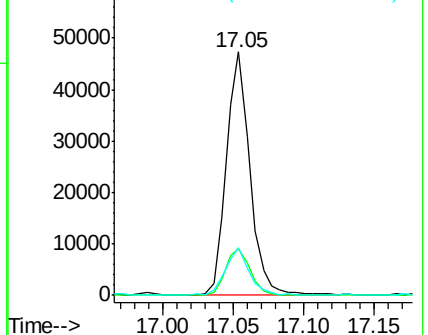
203 19.6 14.4 21.6



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: 52.26 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF094886.D

Acq: 4 May 2017 21:43

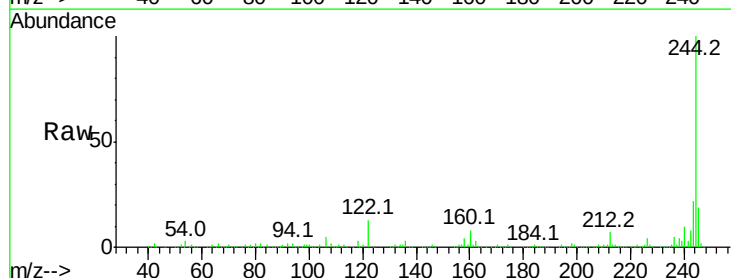
Tgt Ion:244 Resp: 630182

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

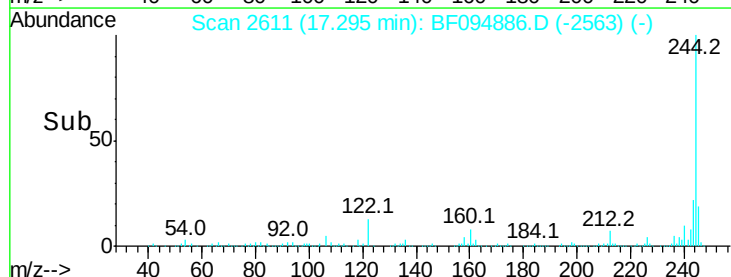
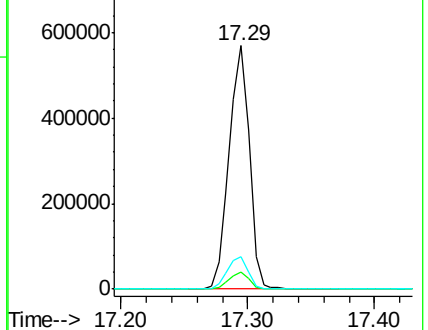
122 13.2 10.3 15.5

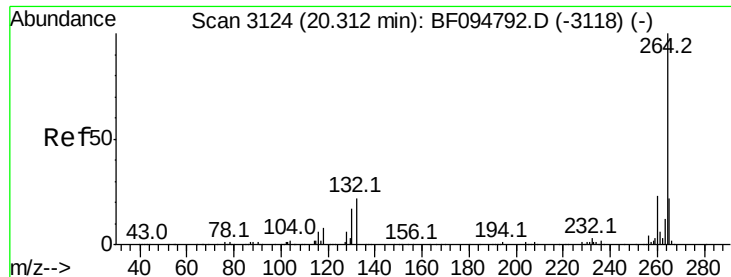


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



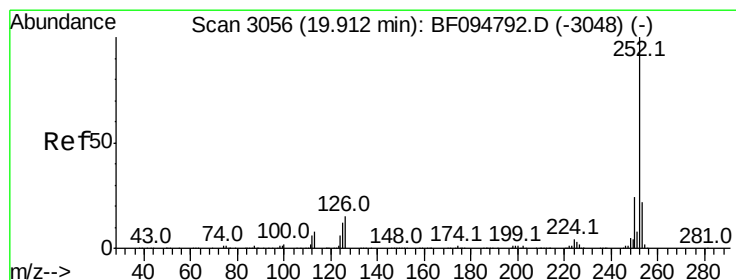
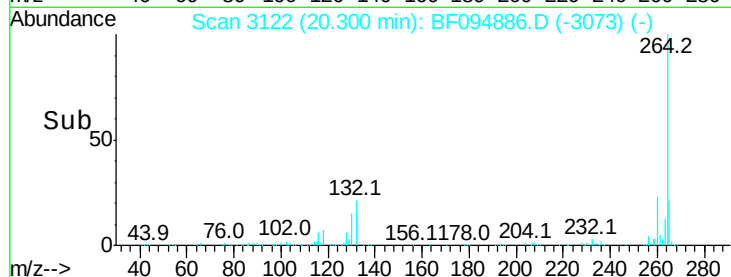
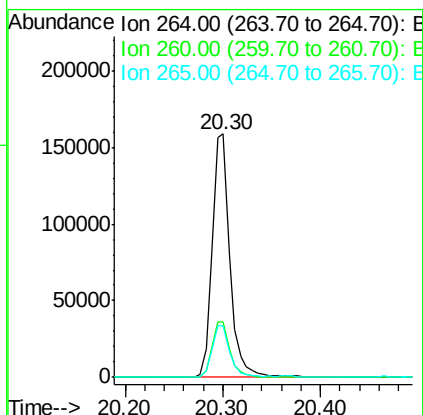
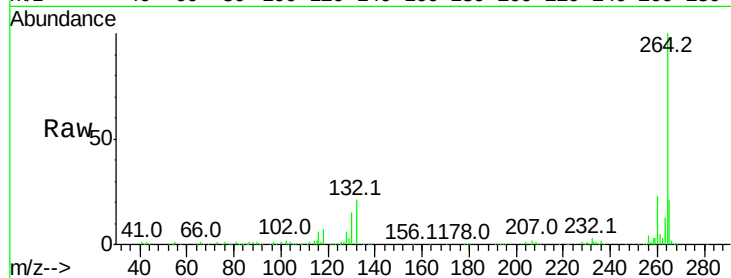


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094886.D
Acq: 4 May 2017 21:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 199258

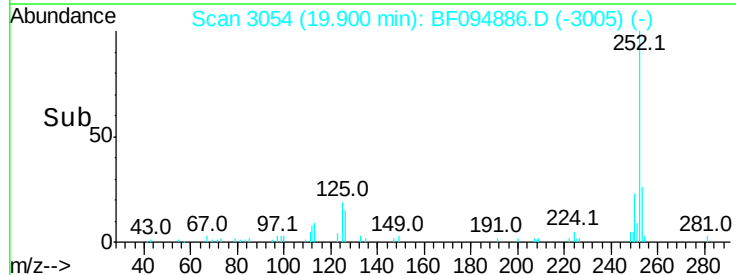
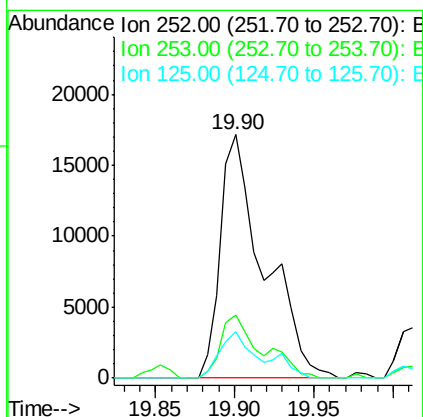
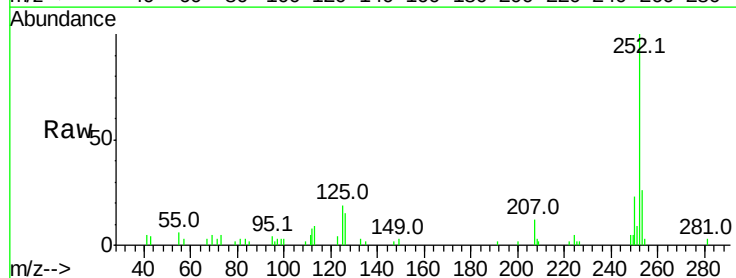
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	21.0	17.2	25.8

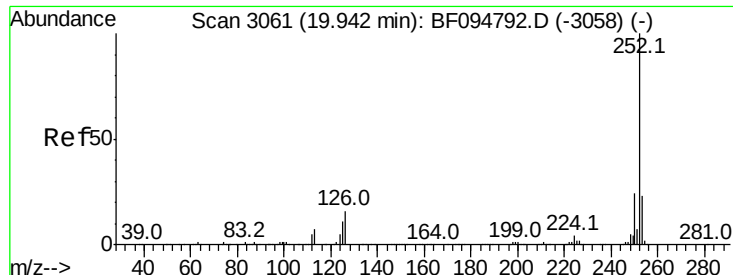


#87
Benzo(b)fluoranthene
Concen: 2.68 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094886.D
Acq: 4 May 2017 21:43

Tgt Ion:252 Resp: 32972

Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	19.3	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 2.78 ng

RT: 19.90 min Scan# 3054

Delta R.T. -0.04 min

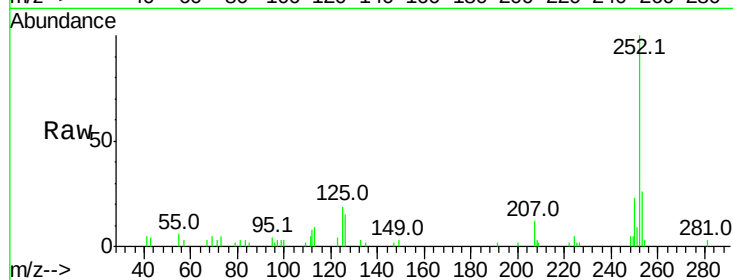
Lab File: BF094886.D

Acq: 4 May 2017 21:43

Instrument :

BNA_F

ClientSampleId :



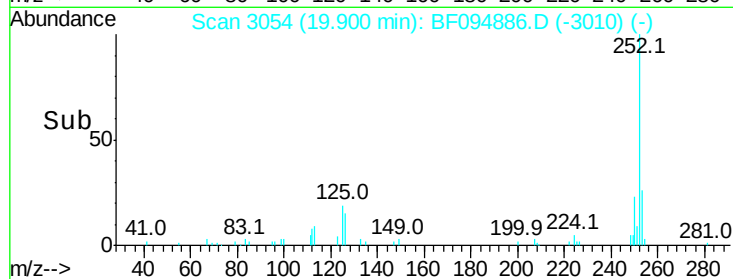
Tot Ion:252 Resp: 32972

Ion Ratio Lower Upper

252 100

253 26.0 18.4 27.6

125 19.3 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

