

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094126.D
 Acq On : 3 Apr 2017 17:43
 Operator : SJ/MA
 Sample : I2501-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Apr 04 01:05:01 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

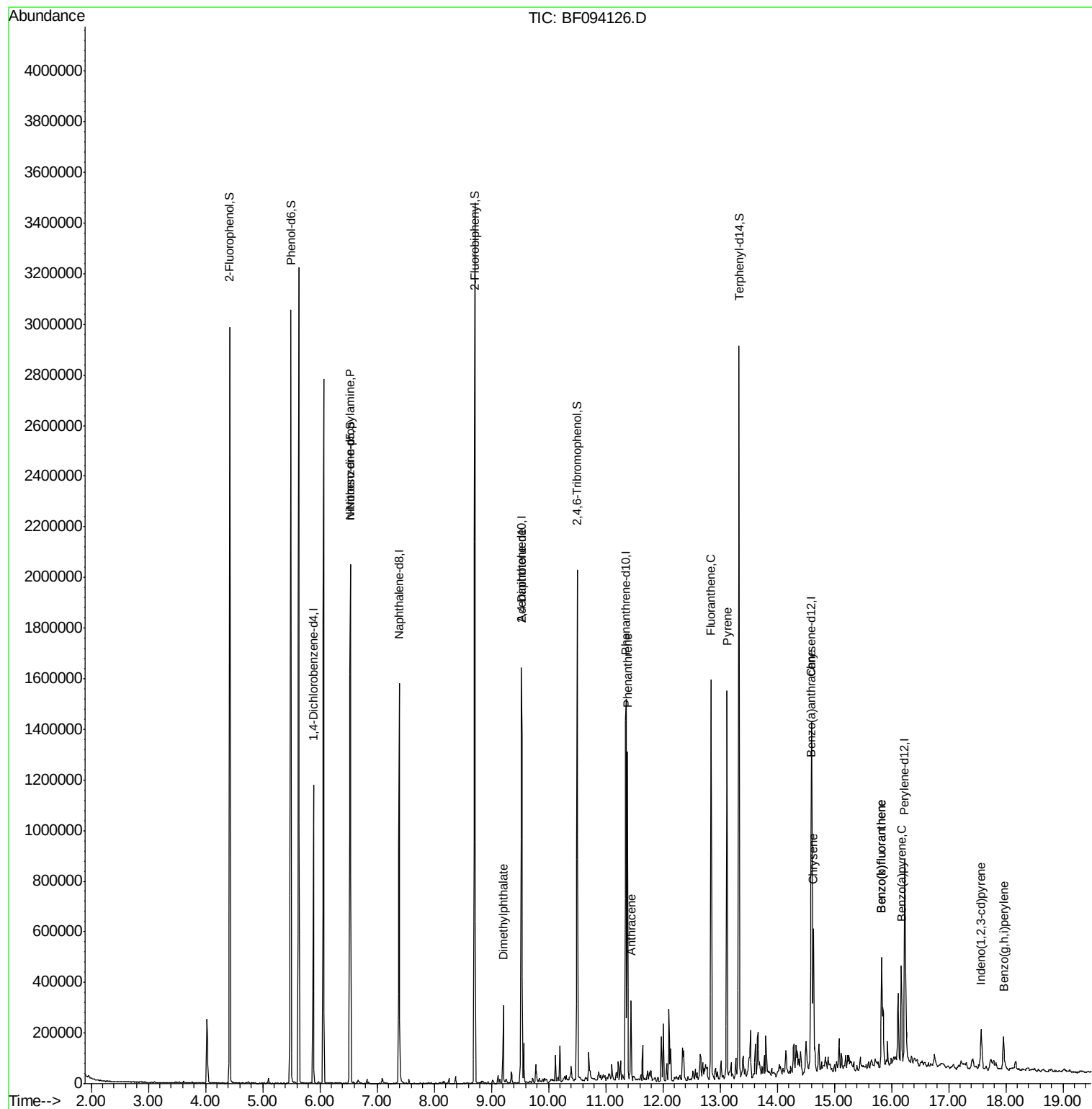
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	189361	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	790143	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	373494	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	634330	20.00	ng	-0.02
75) Chrysene-d12	14.61	240	463949	20.00	ng	-0.02
86) Perylene-d12	16.23	264	332633	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	946653	84.44	ng	0.00
7) Phenol-d6	5.49	99	1218584	87.86	ng	-0.02
23) Nitrobenzene-d5	6.53	82	769088	55.55	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	251625	85.26	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	1344343	54.90	ng	-0.02
78) Terphenyl-d14	13.33	244	1045456	50.51	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.53	70	102342	11.48	ng	# 78
49) Dimethylphthalate	9.21	163	144786	5.45	ng	97
56) 2,4-Dinitrotoluene	9.53	165	47714	6.24	ng	# 33
70) Phenanthrene	11.39	178	557773	15.81	ng	98
71) Anthracene	11.45	178	131329	3.61	ng	99
74) Fluoranthene	12.85	202	719403	19.91	ng	99
77) Pyrene	13.12	202	646238	19.19	ng	98
80) Benzo(a)anthracene	14.59	228	252914	9.35	ng	99
82) Chrysene	14.64	228	234437	9.34	ng	97
85) Indeno(1,2,3-cd)pyrene	17.57	276	95675	4.40	ng	98
87) Benzo(b)fluoranthene	15.83	252	308771	15.14	ng	98
88) Benzo(k)fluoranthene	15.83	252	308771	15.48	ng	97
89) Benzo(a)pyrene	16.17	252	161101	8.58	ng	100
91) Benzo(a,h,i)perylene	17.96	276	92592	5.78	ng	97

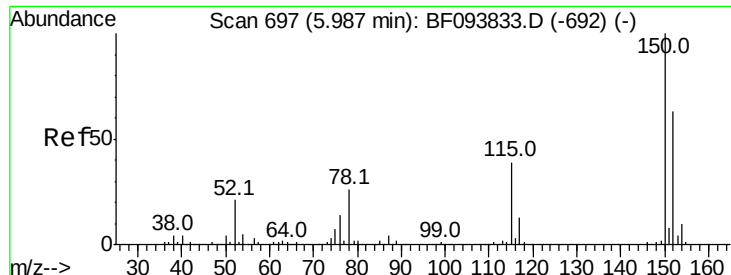
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.89 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Instrument :

BNA_F

ClientSampled :

TP-2

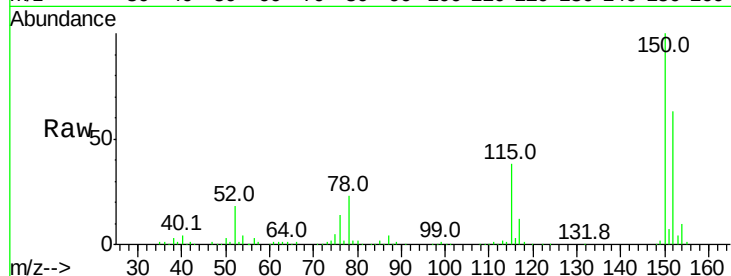
Tot Ion:152 Resp: 189361

Ion Ratio Lower Upper

152 100

150 158.2 126.2 189.2

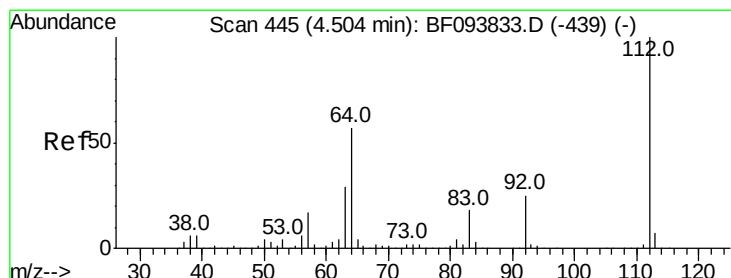
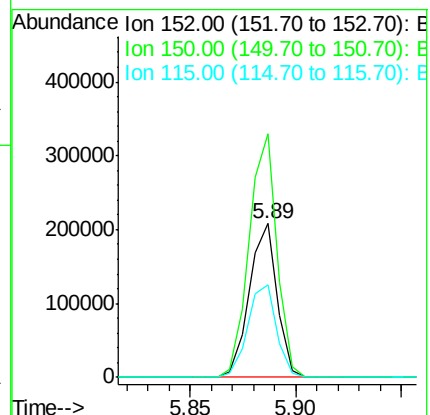
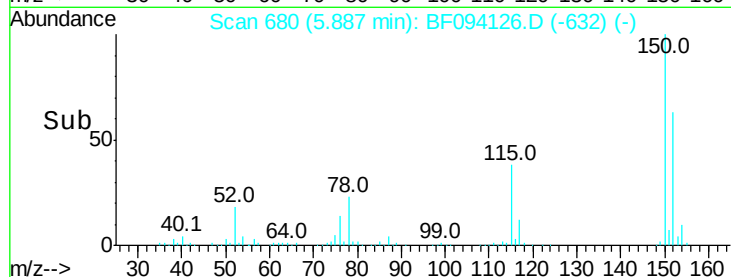
115 60.2 52.2 78.2



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: 84.44 ng

RT: 4.43 min Scan# 432

Delta R.T. -0.01 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

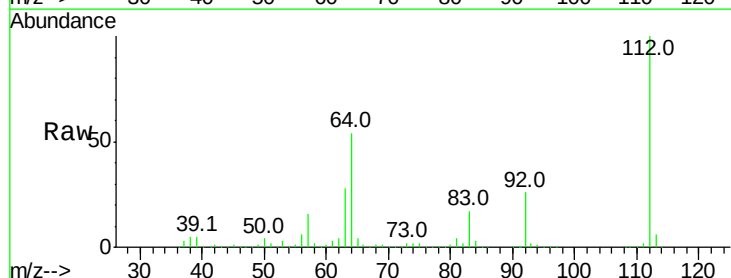
Tgt Ion:112 Resp: 946653

Ion Ratio Lower Upper

112 100

64 54.5 46.0 69.0

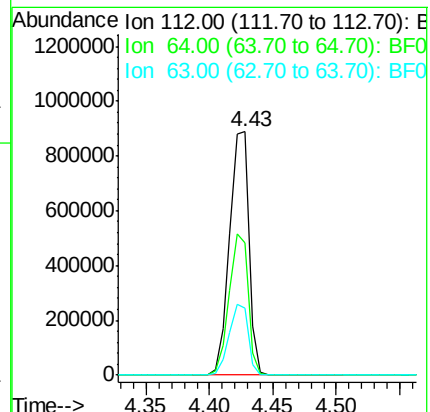
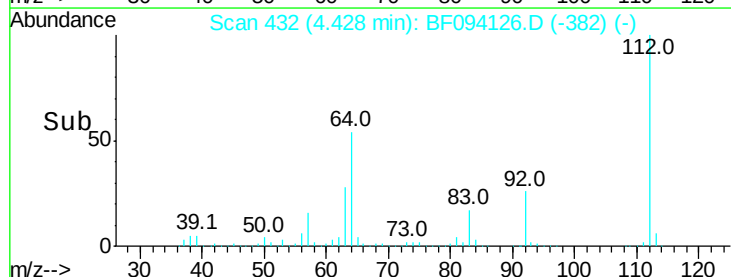
63 27.7 23.4 35.0

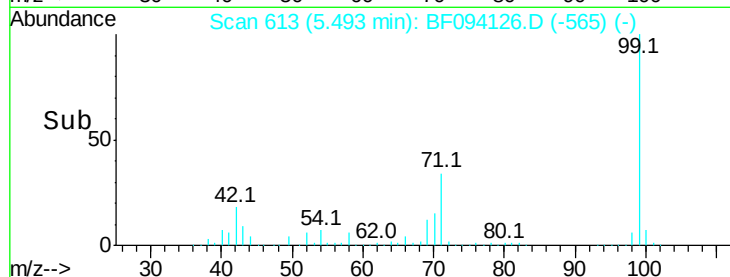
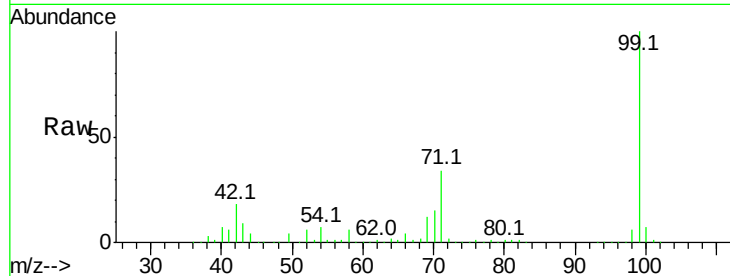
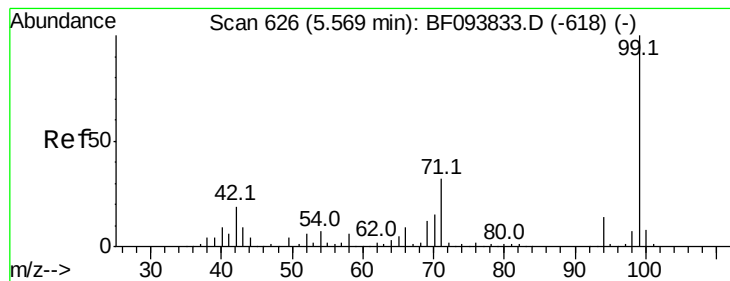


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 87.86 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Instrument :

BNA_F

ClientSampleId :

TP-2

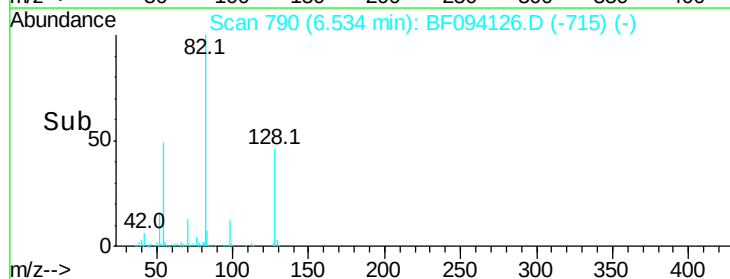
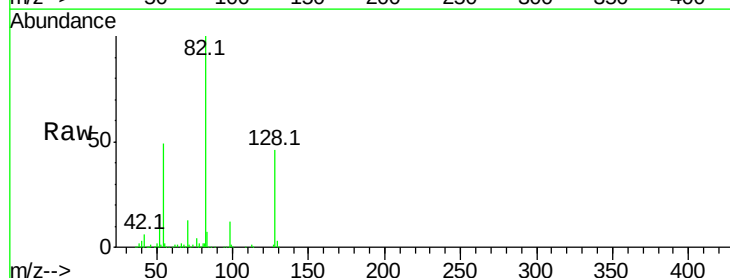
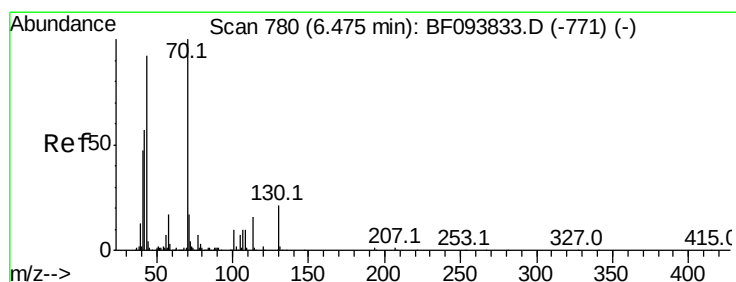
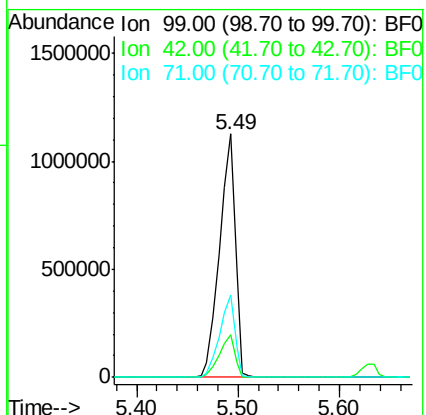
Tot Ion: 99 Resp: 1218584

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

71 33.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.48 ng

RT: 6.53 min Scan# 790

Delta R.T. 0.14 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Tgt Ion: 70 Resp: 102342

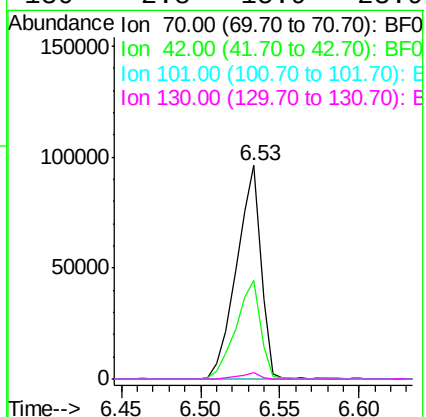
Ion Ratio Lower Upper

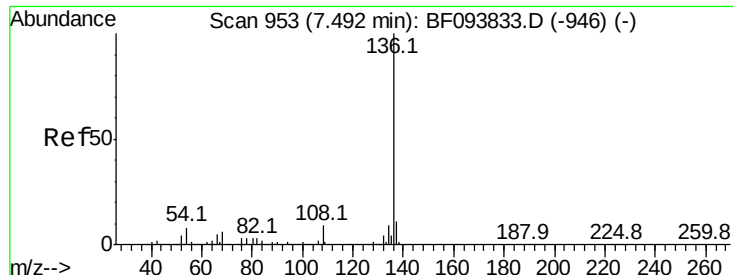
70 100

42 46.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.8 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Instrument :

BNA_F

ClientSampleId :

TP-2

Tot Ion:136 Resp: 790143

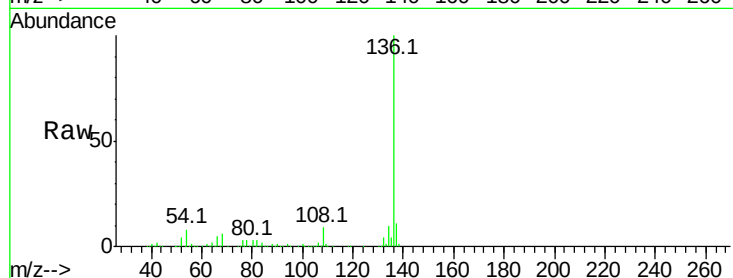
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.6 4.9 7.3#

68 6.0 4.1 6.1

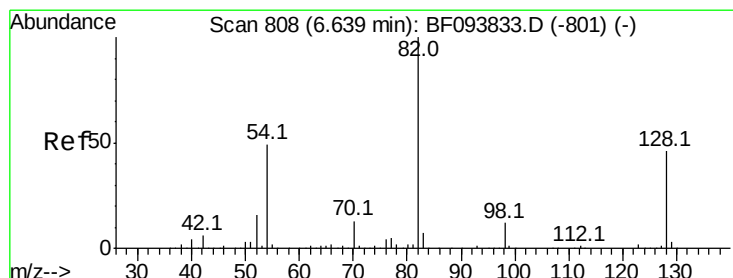
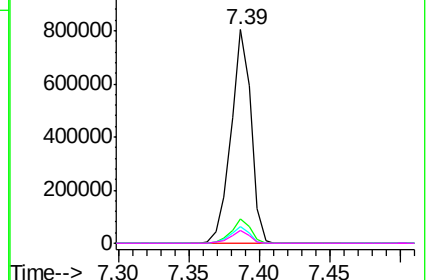
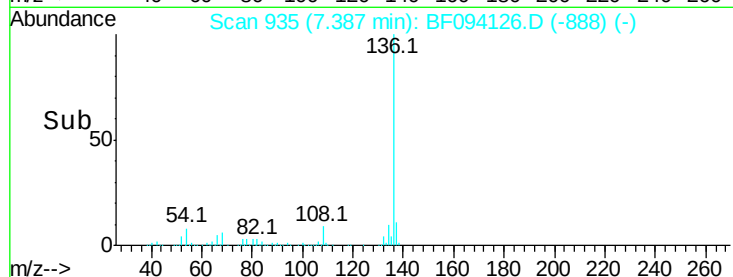


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.55 ng

RT: 6.53 min Scan# 790

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

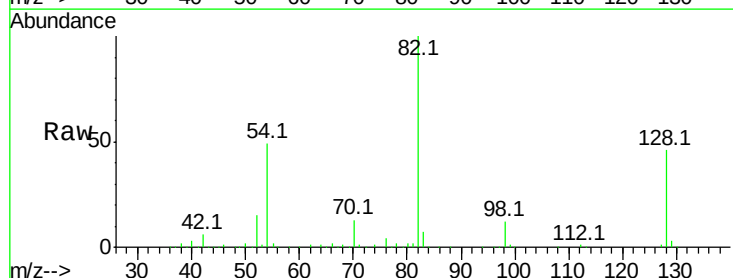
Tgt Ion: 82 Resp: 769088

Ion Ratio Lower Upper

82 100

128 45.9 34.0 51.0

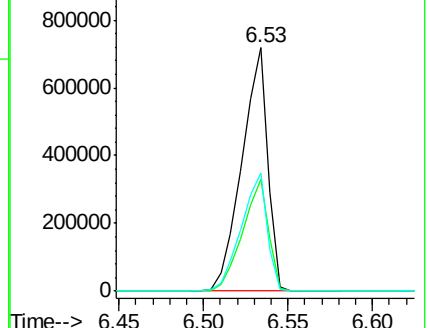
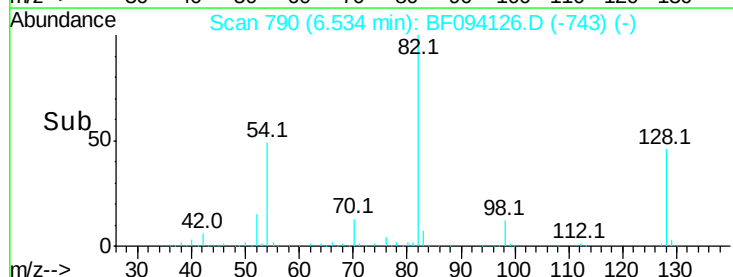
54 48.8 42.2 63.2

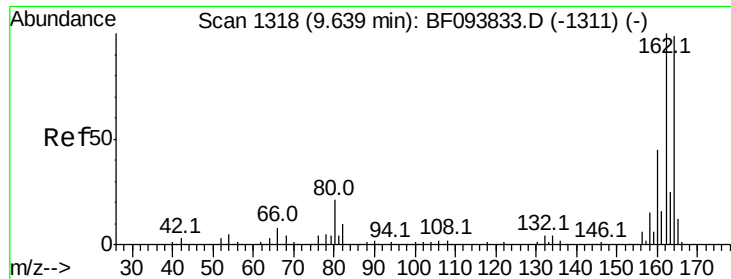


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

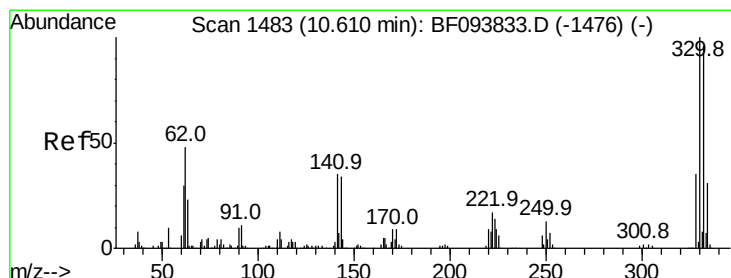
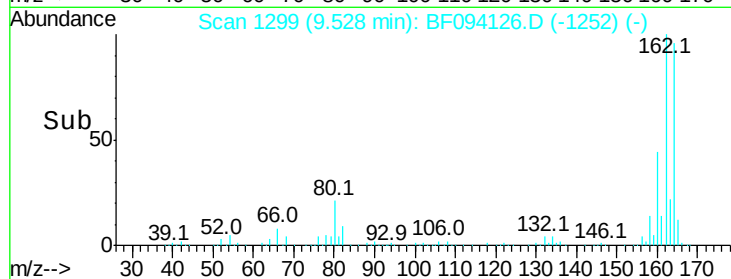
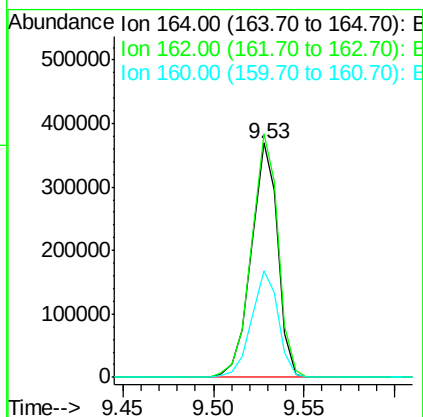
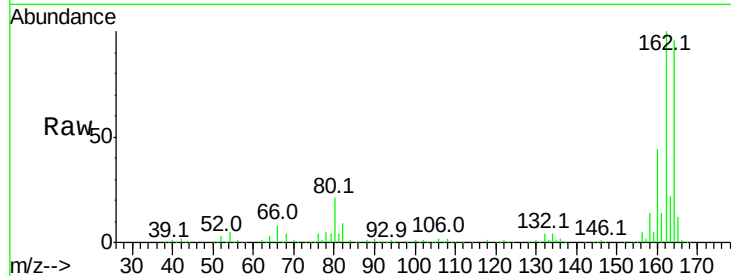




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.02 min
 Lab File: BF094126.D
 Acq: 3 Apr 2017 17:43

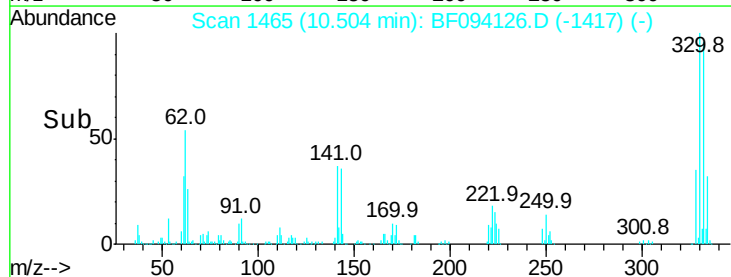
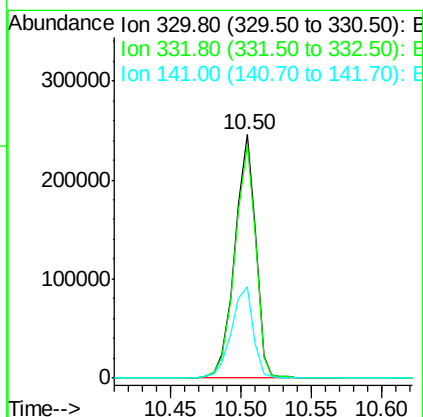
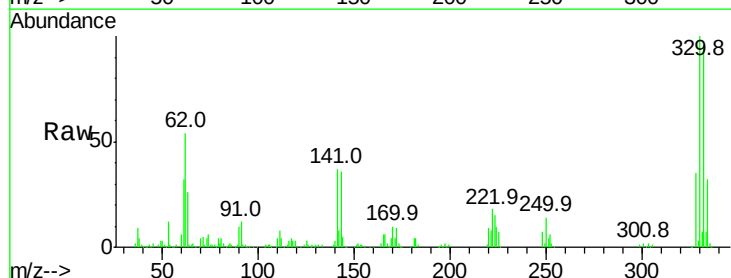
Instrument :
 BNA_F
 ClientSampled :
 TP-2

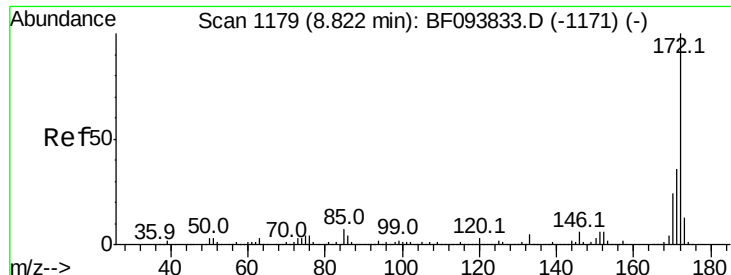
Tot Ion:164 Resp: 373494
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.6 123.8
 160 45.3 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 85.26 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094126.D
 Acq: 3 Apr 2017 17:43

Tgt Ion:330 Resp: 251625
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 39.4 31.4 47.2

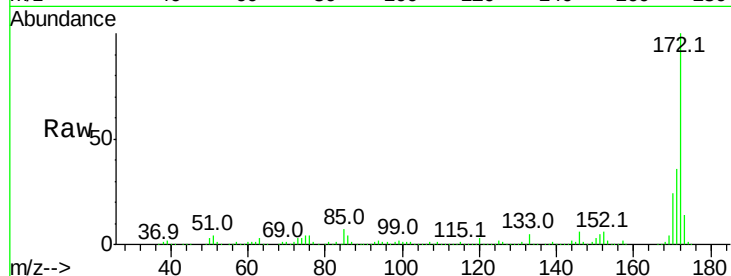




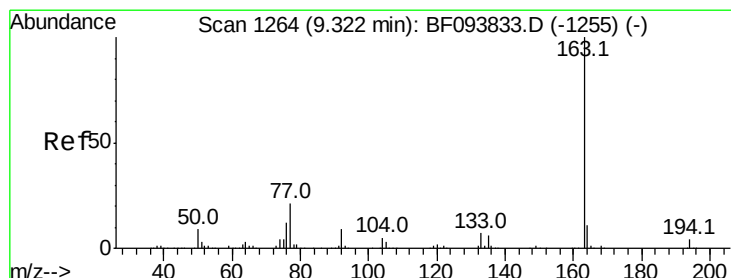
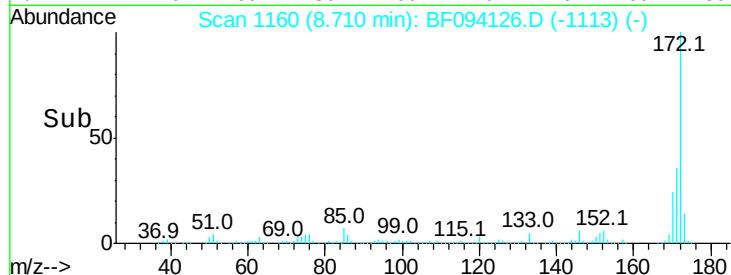
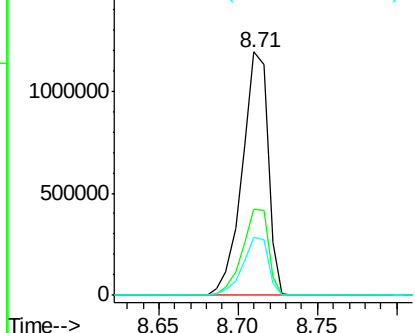
#44
2-Fluorobiphenyl
Concen: 54.90 ng
RT: 8.71 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion:172 Resp: 1344343
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.6 19.8 29.8

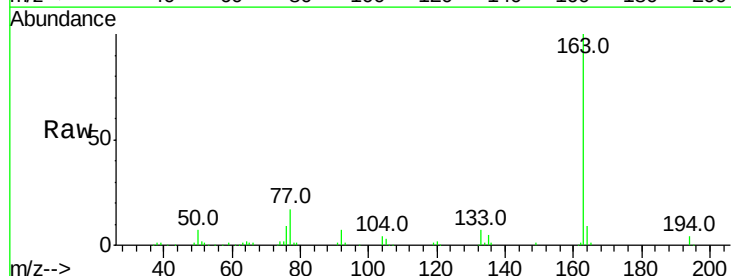


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

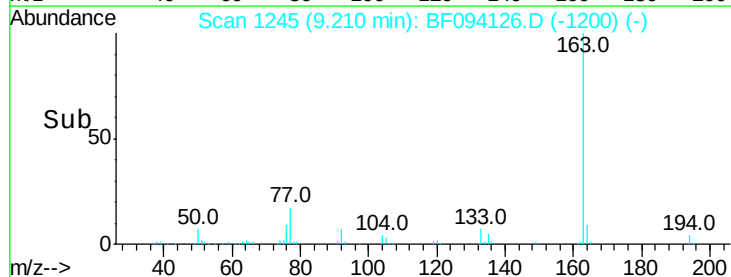
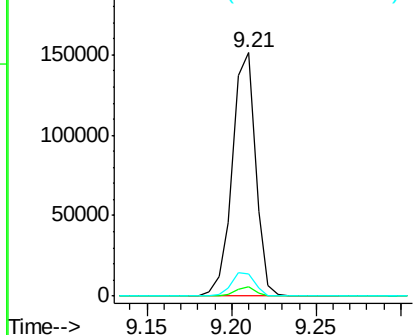


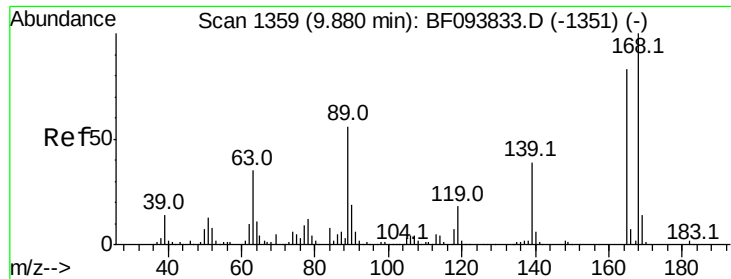
#49
Dimethylphthalate
Concen: 5.45 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Tgt Ion:163 Resp: 144786
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.3 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

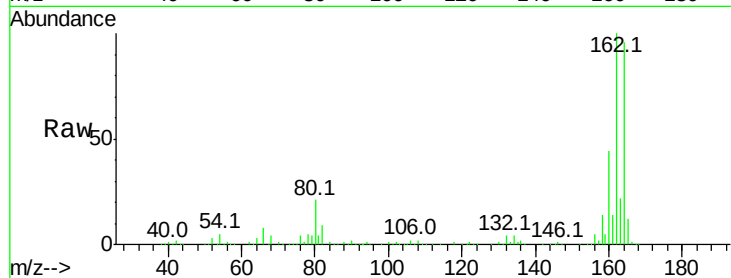




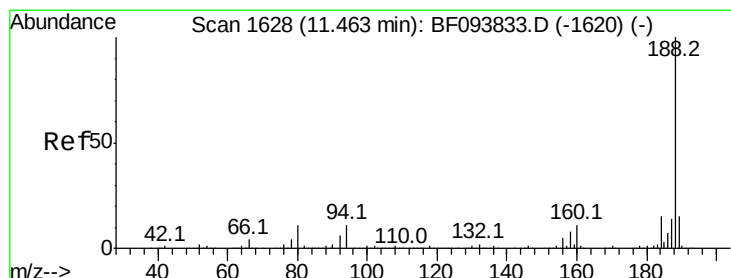
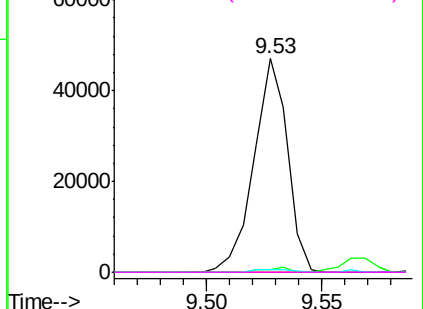
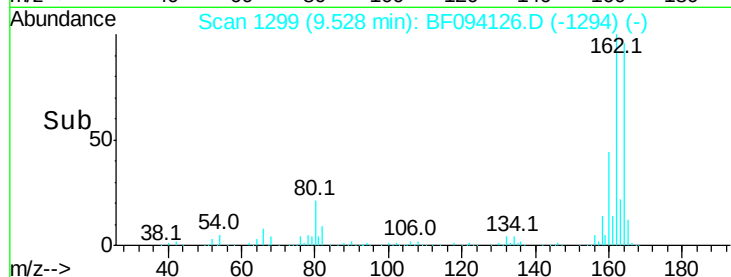
#56
 2,4-Dinitrotoluene
 Concen: 6.24 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.27 min
 Lab File: BF094126.D
 Acq: 3 Apr 2017 17:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion:165 Resp: 47714
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 1.5 46.4 69.6#
 182 0.0 1.8 2.6#

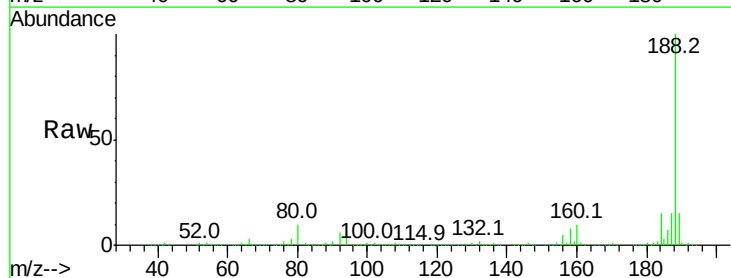


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

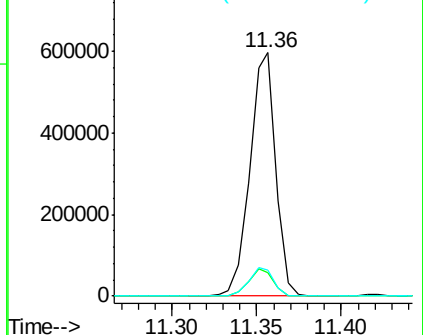
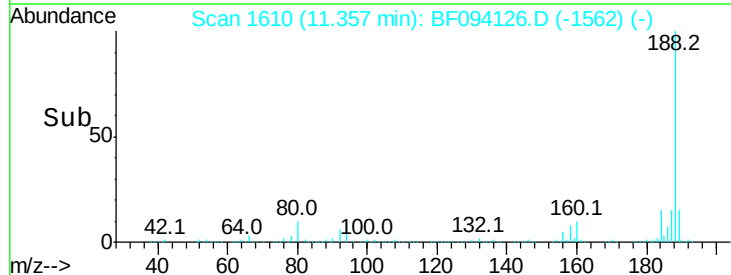


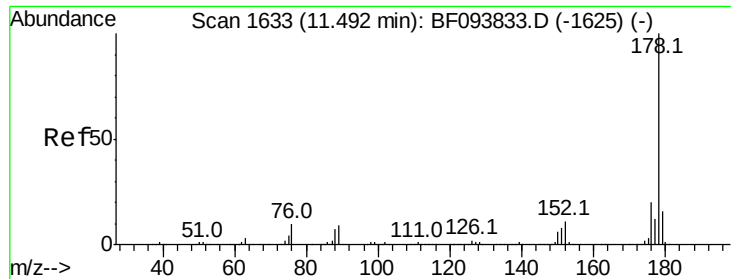
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.02 min
 Lab File: BF094126.D
 Acq: 3 Apr 2017 17:43

Tgt Ion:188 Resp: 634330
 Ion Ratio Lower Upper
 188 100
 94 9.7 9.4 14.2
 80 10.4 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

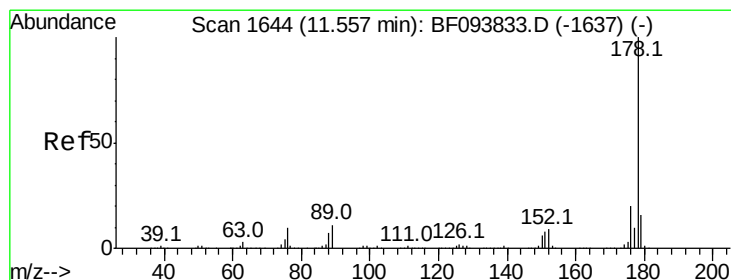
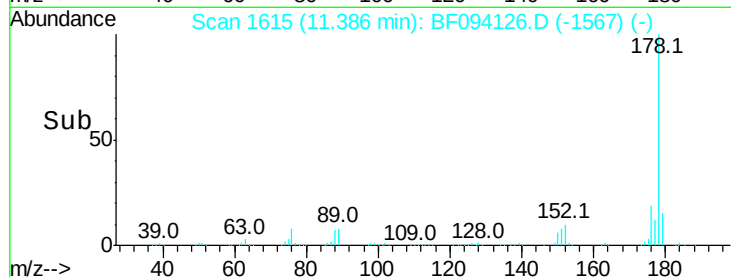
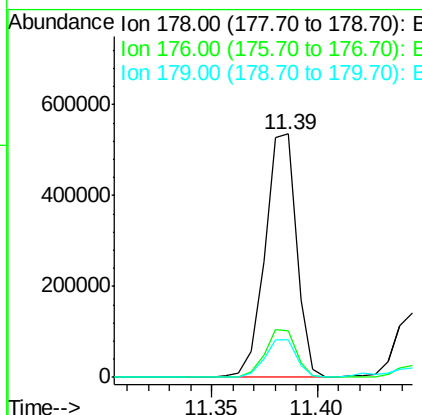
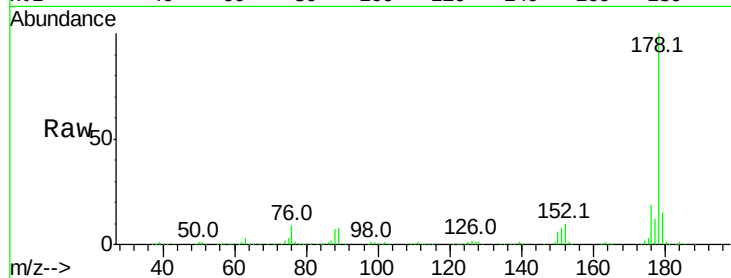




#70
 Phenanthrene
 Concen: 15.81 ng
 RT: 11.39 min Scan# 1615
 Delta R.T. -0.02 min
 Lab File: BF094126.D
 Acq: 3 Apr 2017 17:43

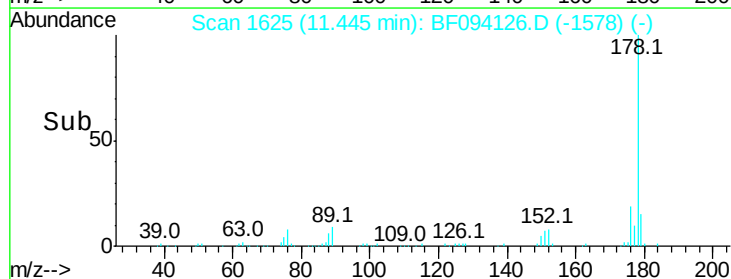
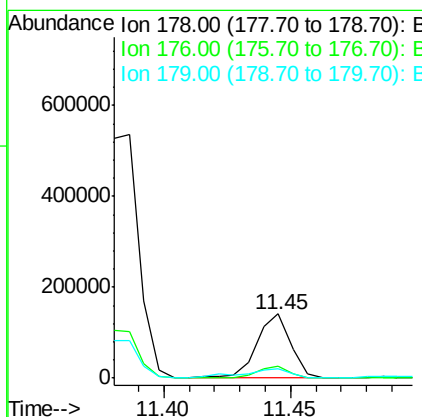
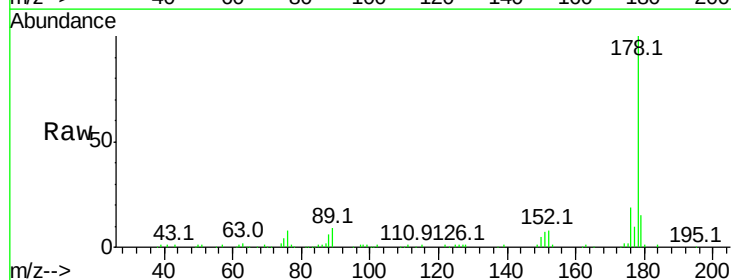
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

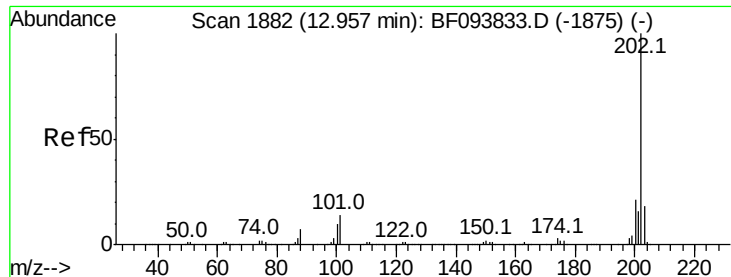
Tot Ion:178 Resp: 557773
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 15.5 12.6 19.0



#71
 Anthracene
 Concen: 3.61 ng
 RT: 11.45 min Scan# 1625
 Delta R.T. -0.02 min
 Lab File: BF094126.D
 Acq: 3 Apr 2017 17:43

Tgt Ion:178 Resp: 131329
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 15.0 12.7 19.1





#74

Fluoranthene

Concen: 19.91 ng

RT: 12.85 min Scan# 1863

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Instrument :

BNA_F

ClientSampleId :

TP-2

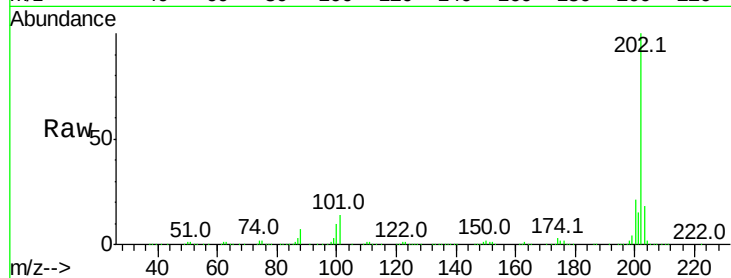
Tot Ion:202 Resp: 719403

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

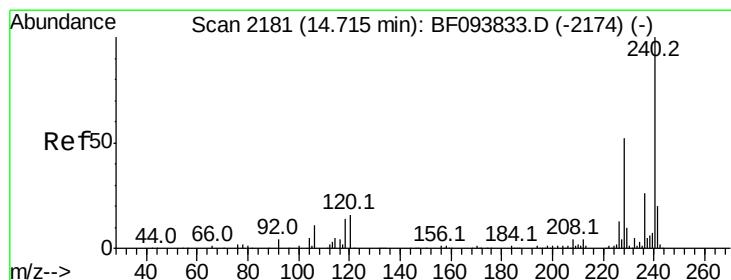
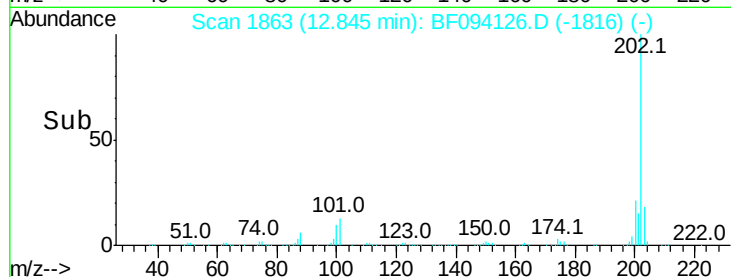
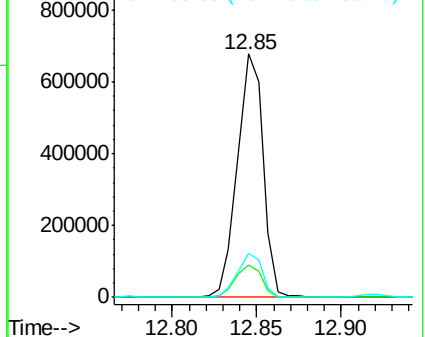
203 17.9 0.0 38.1



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: 14.61 min Scan# 2163

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

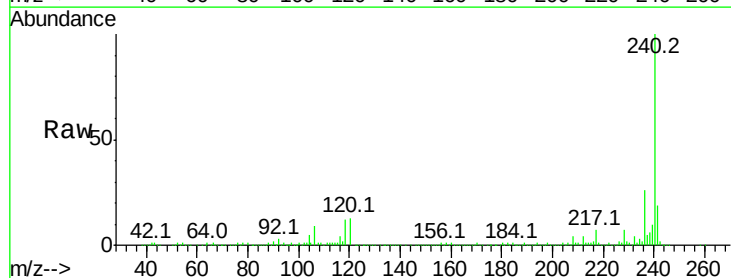
Tgt Ion:240 Resp: 463949

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

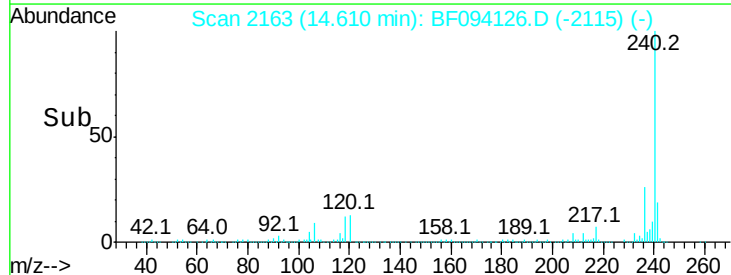
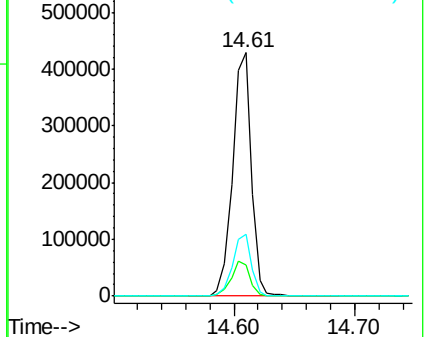
236 25.6 20.5 30.7

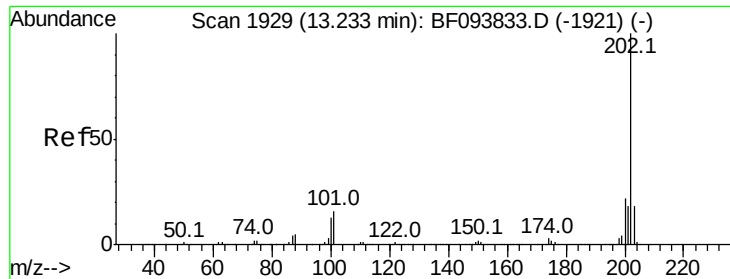


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

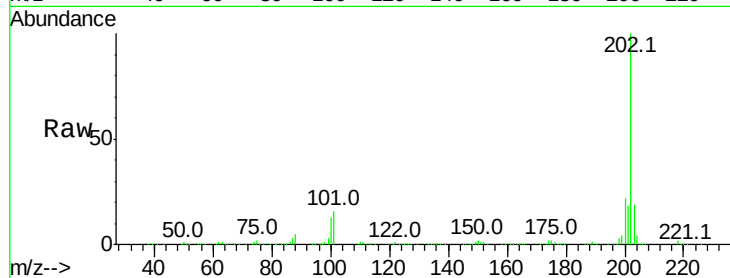




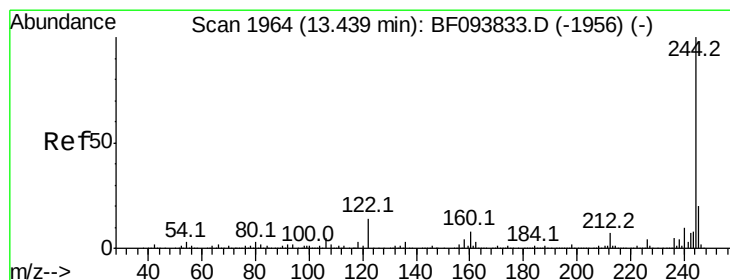
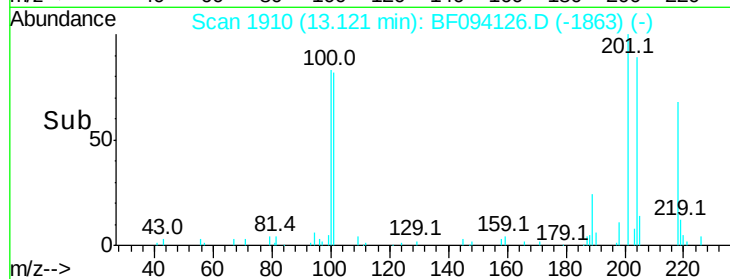
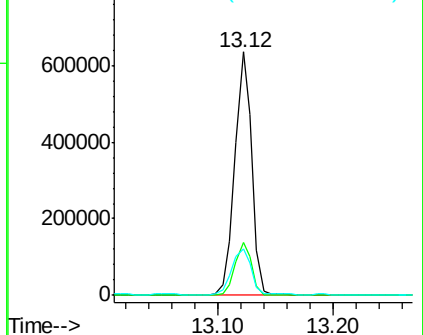
#77
Pvrene
Concen: 19.19 ng
RT: 13.12 min Scan# 1910
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion:202 Resp: 646238
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 19.3 14.4 21.6

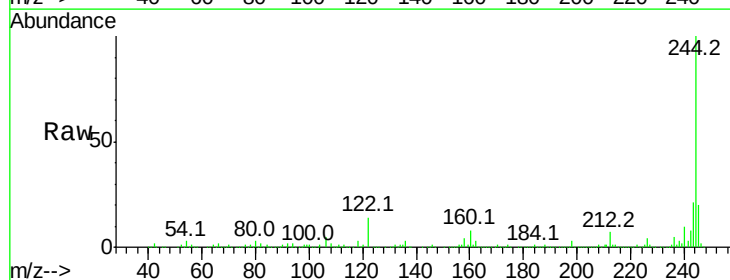


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

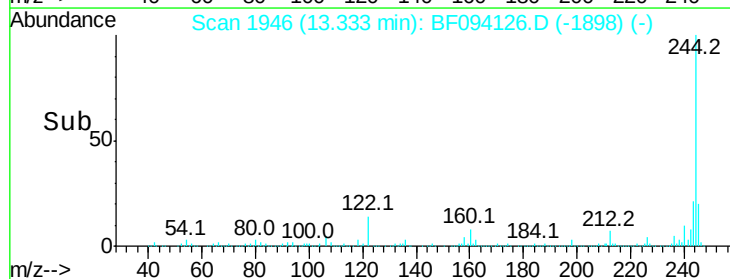
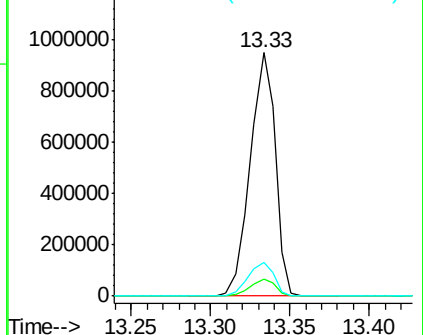


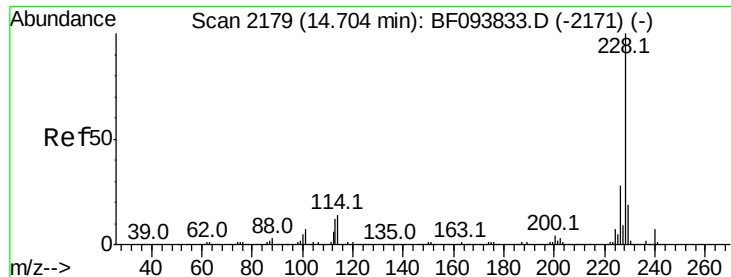
#78
Terphenyl-d14
Concen: 50.51 ng
RT: 13.33 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Tgt Ion:244 Resp: 1045456
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 13.7 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

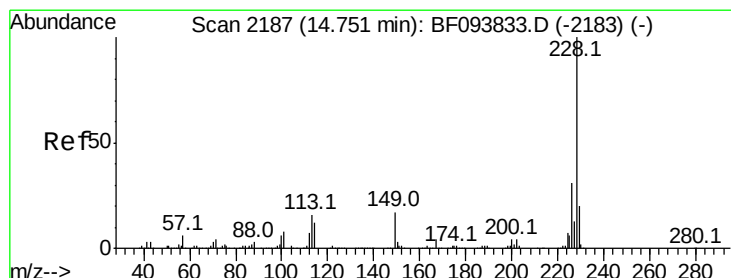
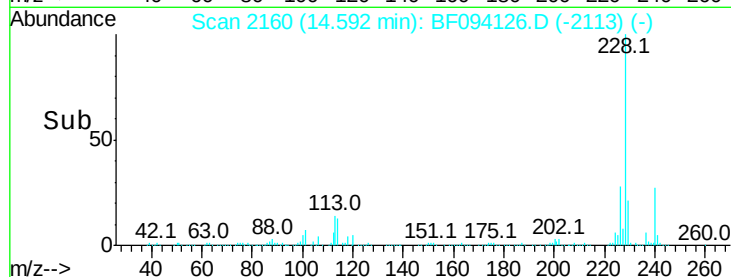
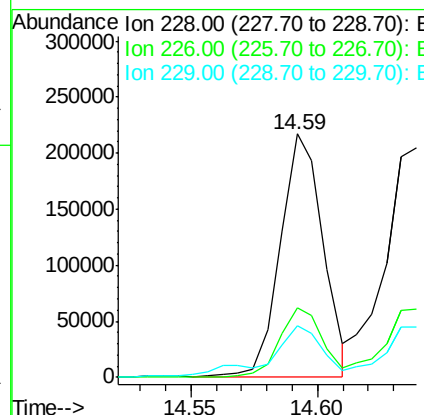
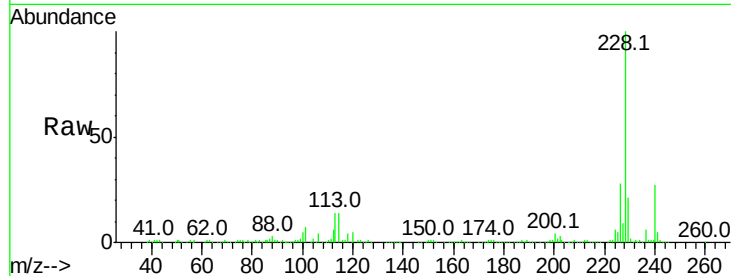




#80
Benzo(a)anthracene
Concen: 9.35 ng
RT: 14.59 min Scan# 2160
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

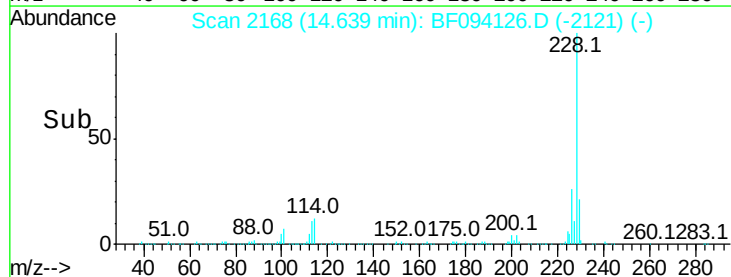
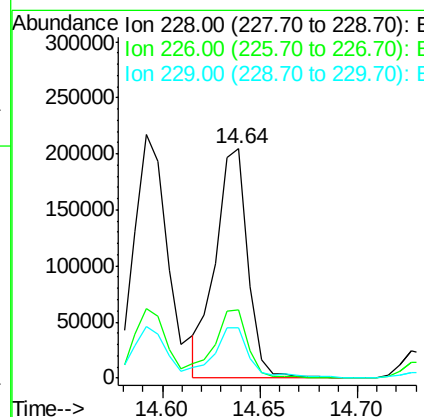
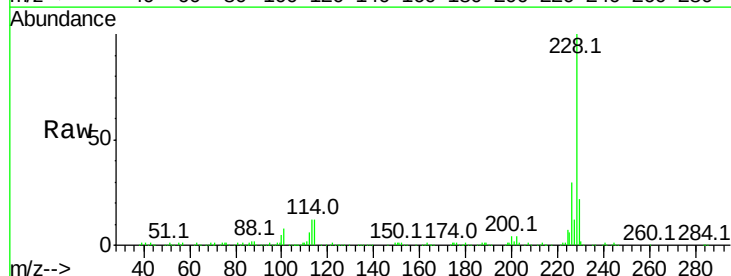
Instrument :
BNA_F
ClientSampled :
TP-2

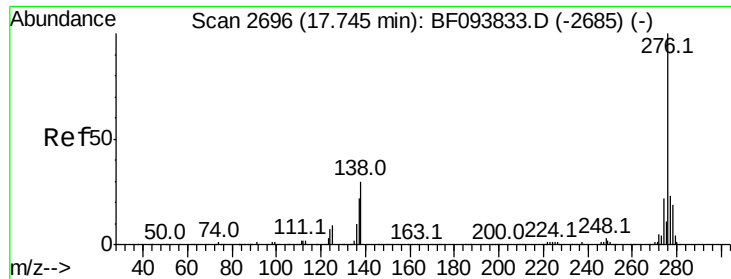
Tot Ion:228 Resp: 252914
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 21.2 16.3 24.5



#82
Chrysene
Concen: 9.34 ng
RT: 14.64 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF094126.D
Acq: 3 Apr 2017 17:43

Tgt Ion:228 Resp: 234437
Ion Ratio Lower Upper
228 100
226 29.9 24.9 37.3
229 22.0 15.8 23.6

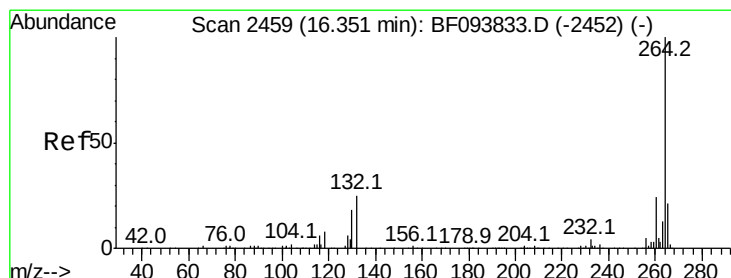
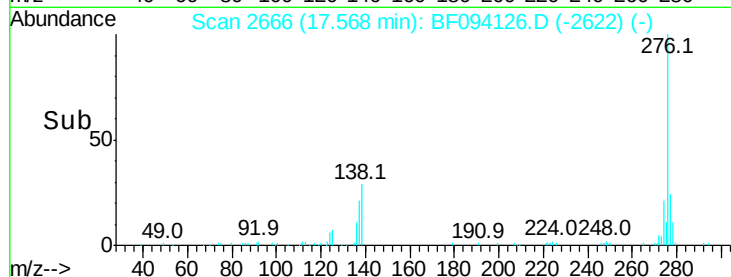
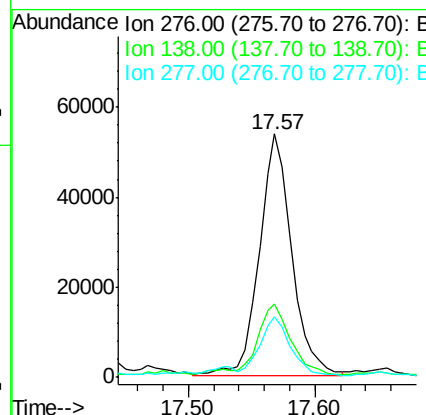
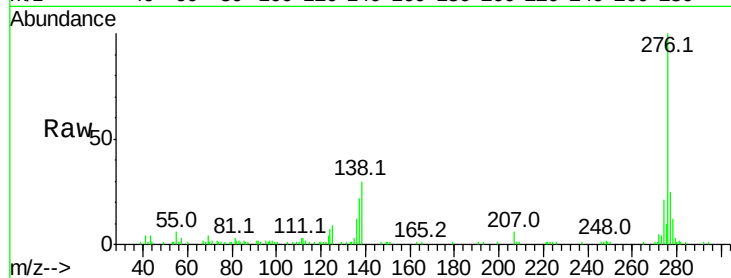




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.40 ng
 RT: 17.57 min Scan# 2666
 Delta R.T. -0.04 min
 Lab File: BF094126.D
 Acq: 3 Apr 2017 17:43

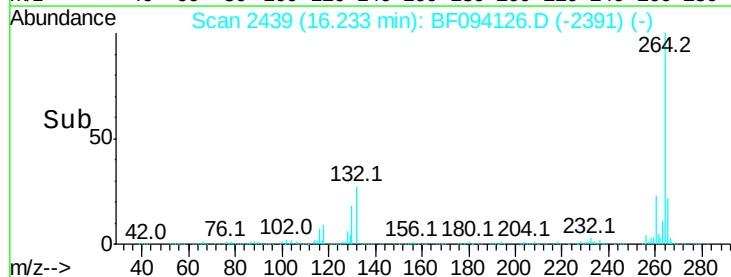
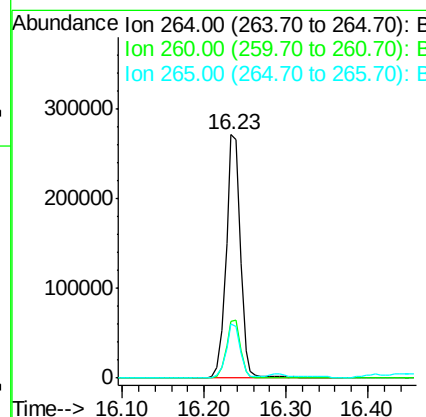
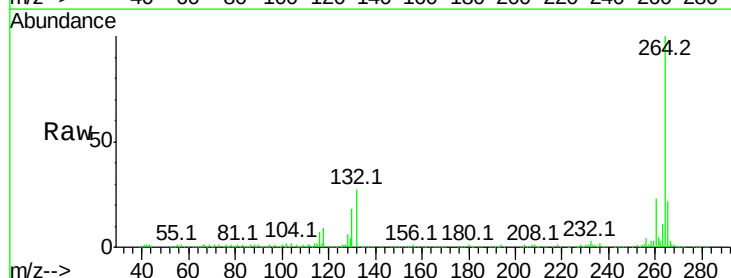
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

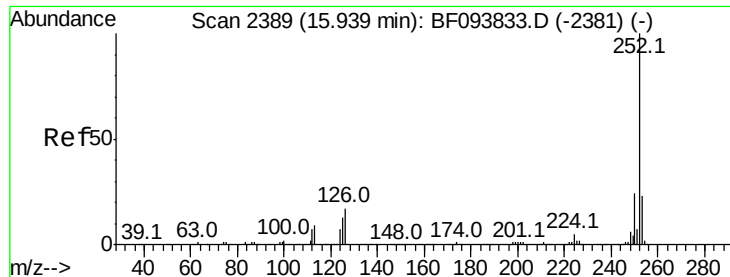
Tot Ion:276 Resp: 95675
 Ion Ratio Lower Upper
 276 100
 138 33.0 27.8 41.6
 277 25.0 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.23 min Scan# 2439
 Delta R.T. -0.02 min
 Lab File: BF094126.D
 Acq: 3 Apr 2017 17:43

Tgt Ion:264 Resp: 332633
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 22.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 15.14 ng

RT: 15.83 min Scan# 2370

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Instrument :

BNA_F

ClientSampleId :

TP-2

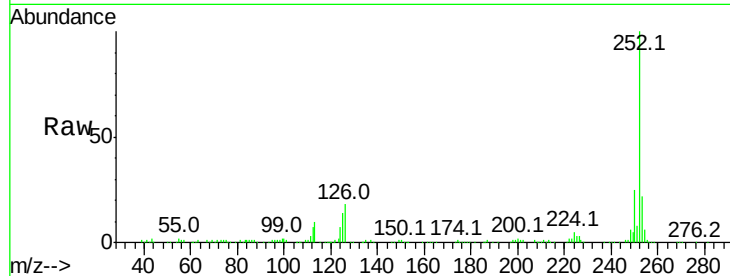
Tot Ion:252 Resp: 308771

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

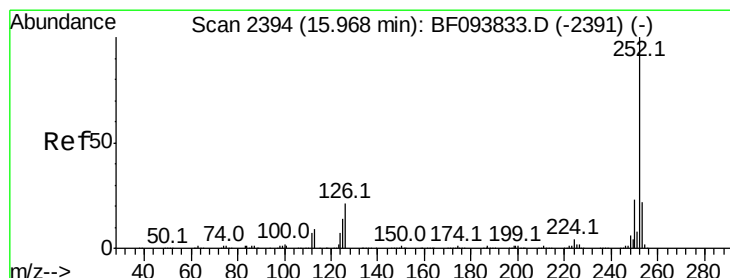
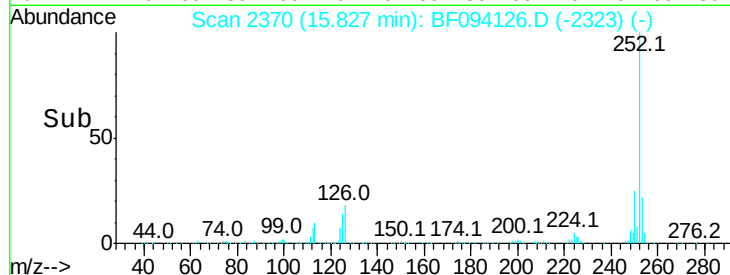
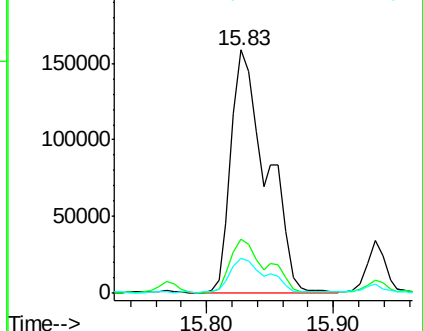
125 14.1 9.8 14.8



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: 15.48 ng

RT: 15.83 min Scan# 2370

Delta R.T. -0.05 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

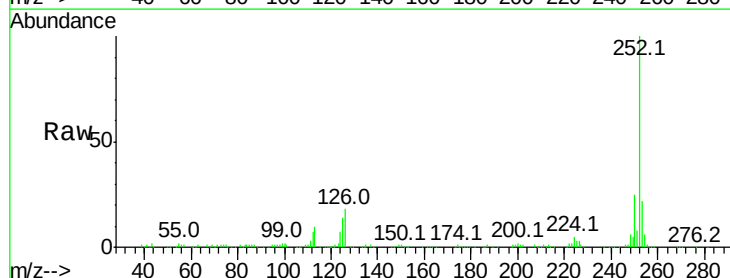
Tgt Ion:252 Resp: 308771

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

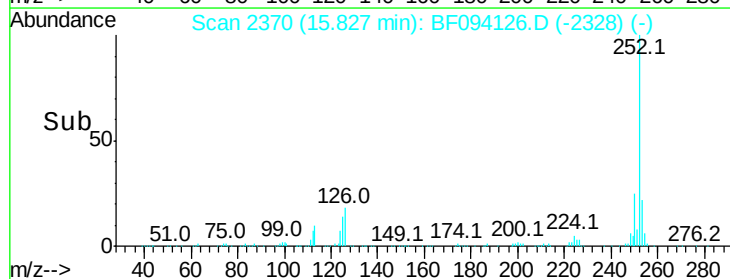
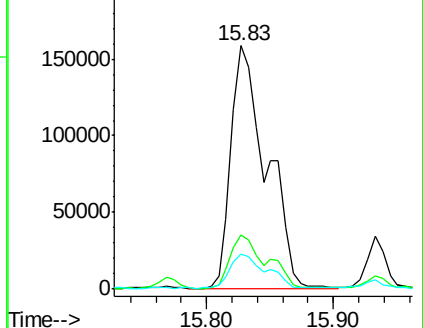
125 14.1 13.1 19.7

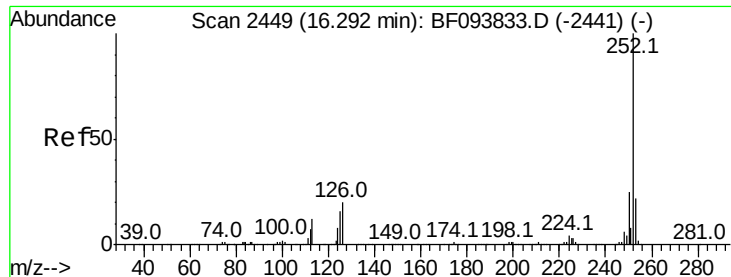


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.58 ng

RT: 16.17 min Scan# 2429

Delta R.T. -0.02 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

Instrument :

BNA_F

ClientSampleId :

TP-2

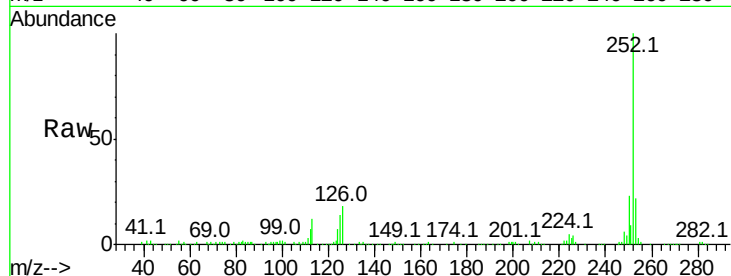
Tot Ion:252 Resp: 161101

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

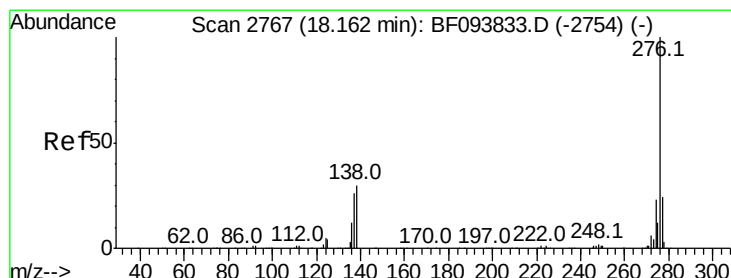
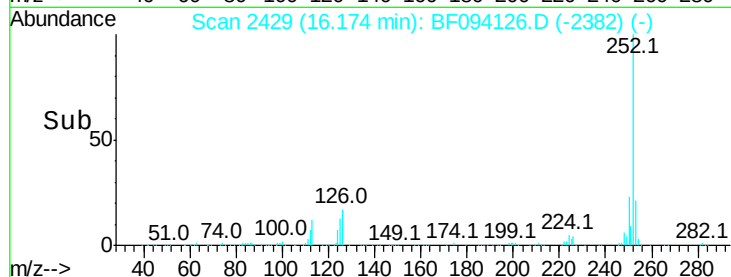
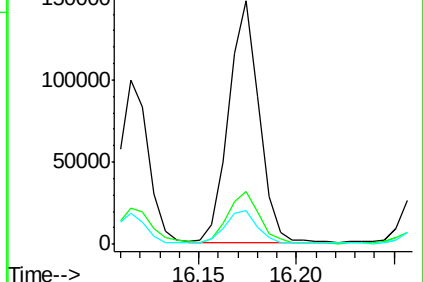
125 13.7 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 5.78 ng

RT: 17.96 min Scan# 2733

Delta R.T. -0.05 min

Lab File: BF094126.D

Acq: 3 Apr 2017 17:43

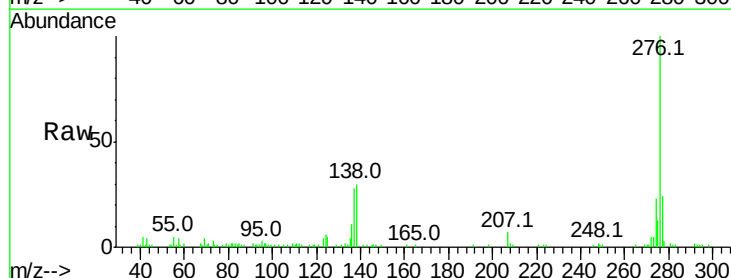
Tgt Ion:276 Resp: 92592

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 29.8 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

