

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094129.D
 Acq On : 3 Apr 2017 19:05
 Operator : SJ/MA
 Sample : I2501-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Apr 04 01:05:33 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

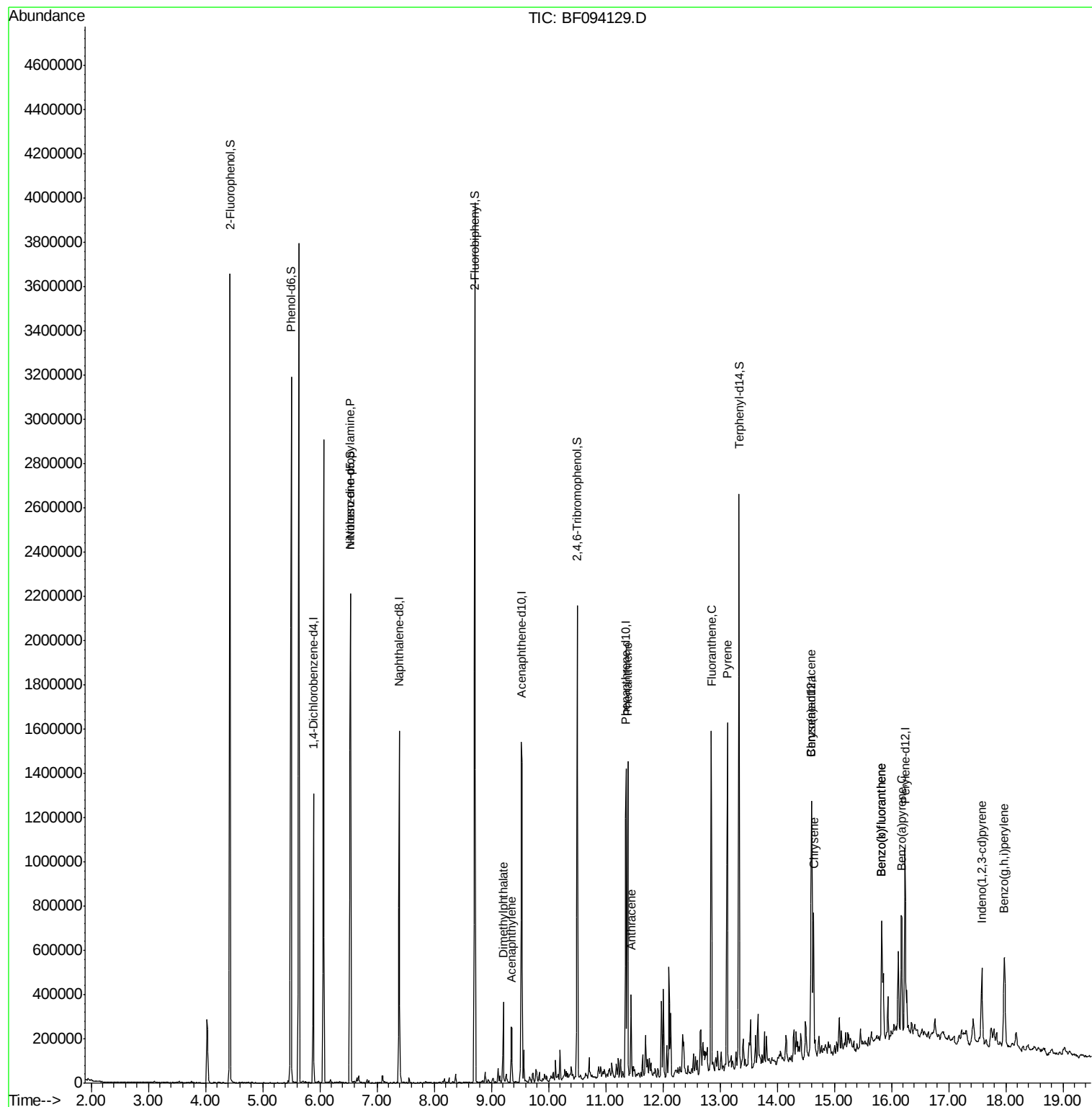
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	199920	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	788071	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	343761	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	555801	20.00	ng	-0.02
75) Chrysene-d12	14.61	240	353544	20.00	ng	-0.02
86) Perylene-d12	16.24	264	336875	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.43	112	1102334	93.13	ng	0.00
7) Phenol-d6	5.50	99	1389153	94.87	ng	-0.01
23) Nitrobenzene-d5	6.53	82	871183	63.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	267272	98.39	ng	-0.02
44) 2-Fluorobiphenyl	8.72	172	1434525	63.65	ng	-0.02
78) Terphenyl-d14	13.33	244	929962	58.96	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.53	70	114610	12.18	ng	Qvalue # 78
48) Acenaphthylene	9.35	152	116143	3.22	ng	98
49) Dimethylphthalate	9.21	163	151436	6.20	ng	99
70) Phenanthrene	11.39	178	596903	19.31	ng	98
71) Anthracene	11.45	178	149571	4.70	ng	97
74) Fluoranthene	12.85	202	705069	22.27	ng	99
77) Pyrene	13.13	202	717772	27.97	ng	99
80) Benzo(a)anthracene	14.60	228	286581	13.90	ng	96
82) Chrysene	14.64	228	263513	13.77	ng	97
85) Indeno(1,2,3-cd)pyrene	17.58	276	213696	12.90	ng	94
87) Benzo(b)fluoranthene	15.83	252	396643	19.21	ng	98
88) Benzo(k)fluoranthene	15.83	252	396643	19.63	ng	96
89) Benzo(a)pyrene	16.18	252	229501	12.07	ng	99
91) Benzo(a,h,i)perylene	17.98	276	299134	18.43	ng	96

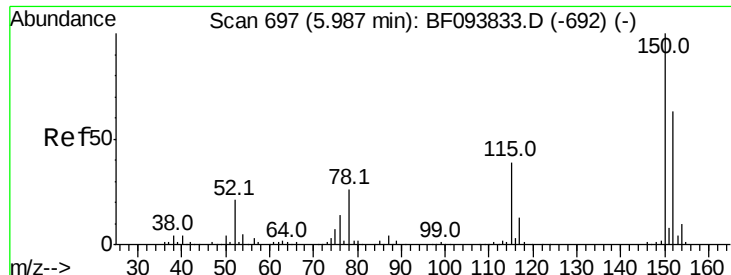
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094129.D

Acq: 3 Apr 2017 19:05

Instrument :

BNA_F

ClientSampleId :

TP-5

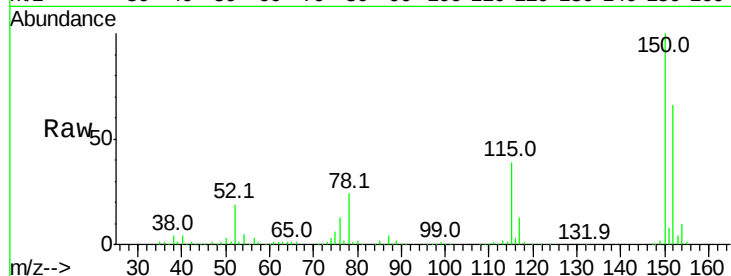
Tot Ion:152 Resp: 199920

Ion Ratio Lower Upper

152 100

150 151.7 126.2 189.2

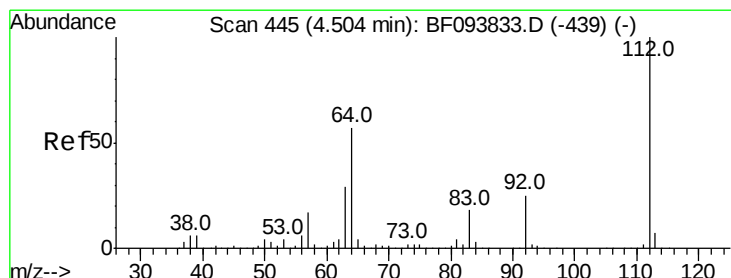
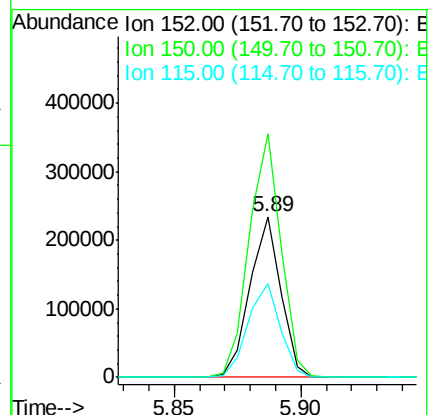
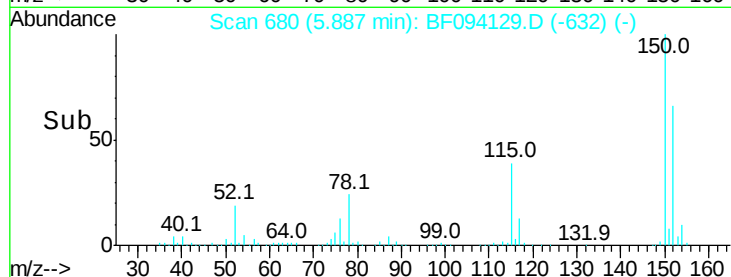
115 58.7 52.2 78.2



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: 93.13 ng

RT: 4.43 min Scan# 432

Delta R.T. -0.01 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

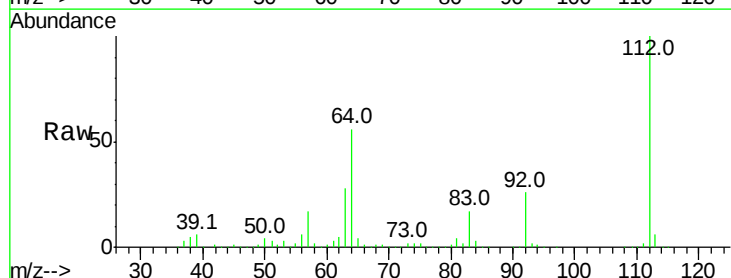
Tgt Ion:112 Resp: 1102334

Ion Ratio Lower Upper

112 100

64 56.4 46.0 69.0

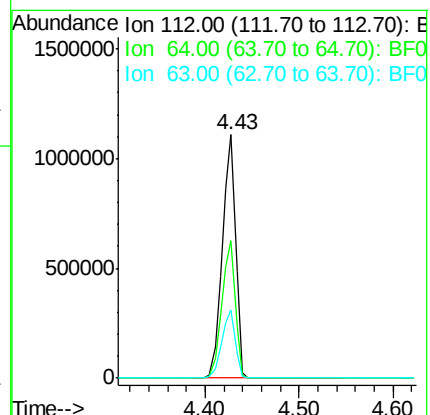
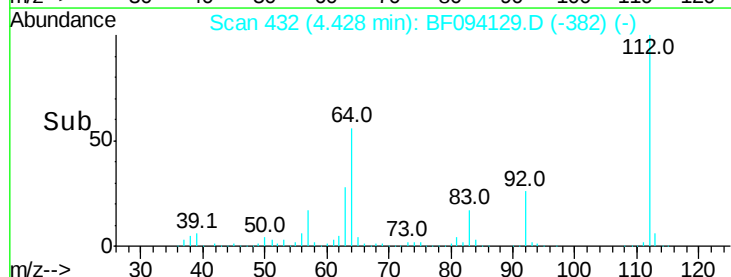
63 27.8 23.4 35.0

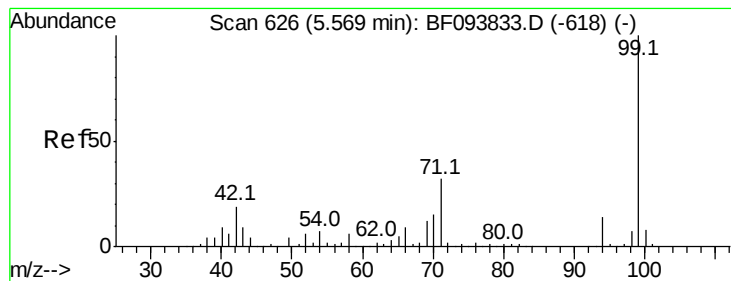


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.87 ng

RT: 5.50 min Scan# 614

Delta R.T. -0.01 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Instrument :

BNA_F

ClientSampleId :

TP-5

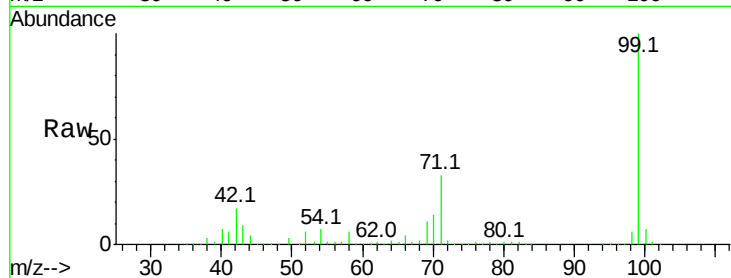
Tot Ion: 99 Resp: 1389153

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

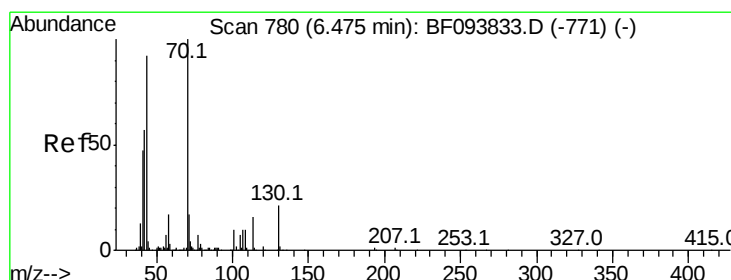
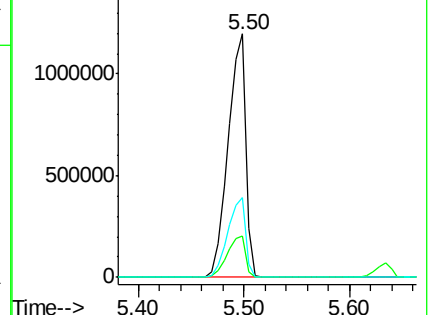
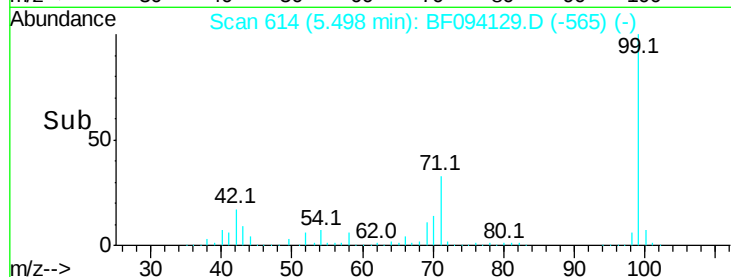
71 32.5 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.18 ng

RT: 6.53 min Scan# 790

Delta R.T. 0.14 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Tgt Ion: 70 Resp: 114610

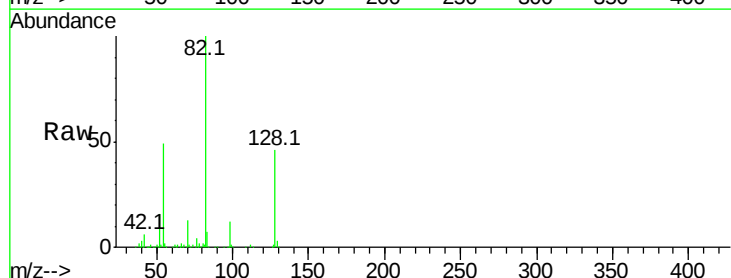
Ion Ratio Lower Upper

70 100

42 46.9 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

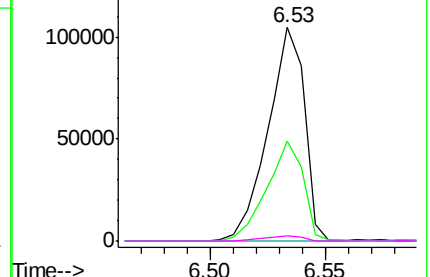
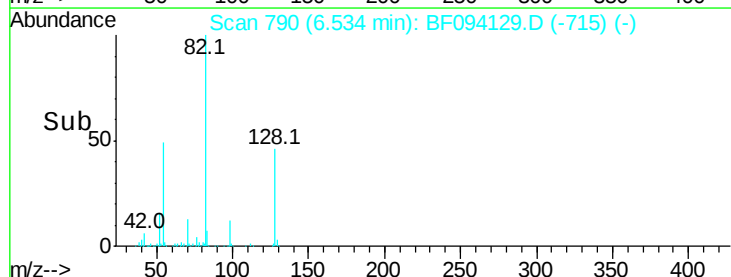


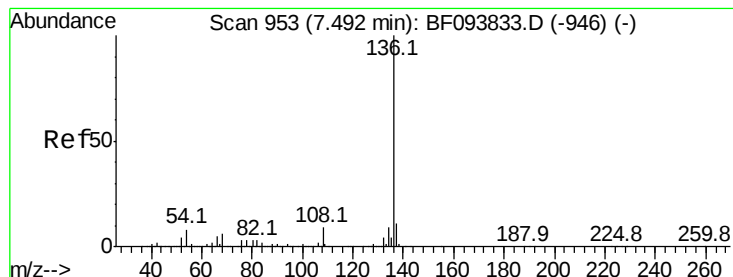
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.39 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion:136 Resp: 788071

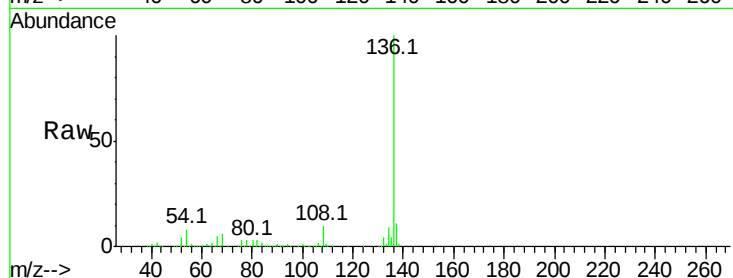
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.9 4.9 7.3#

68 6.3 4.1 6.1#

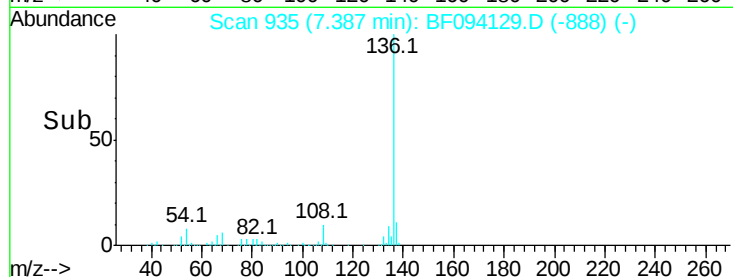


Abundance Ion 136.00 (135.70 to 136.70): E

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



Abundance

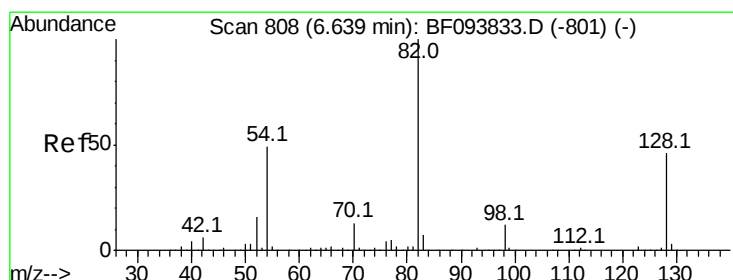
Ion 136.00 (135.70 to 136.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 63.09 ng

RT: 6.53 min Scan# 790

Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

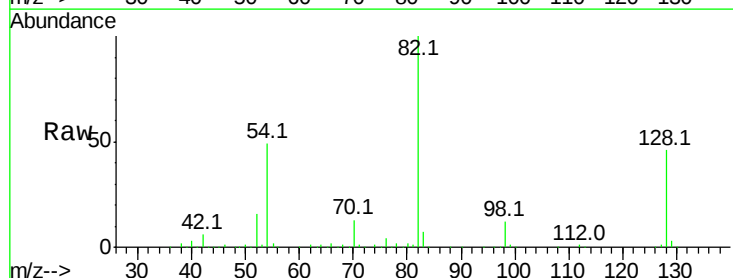
Tgt Ion: 82 Resp: 871183

Ion Ratio Lower Upper

82 100

128 45.7 34.0 51.0

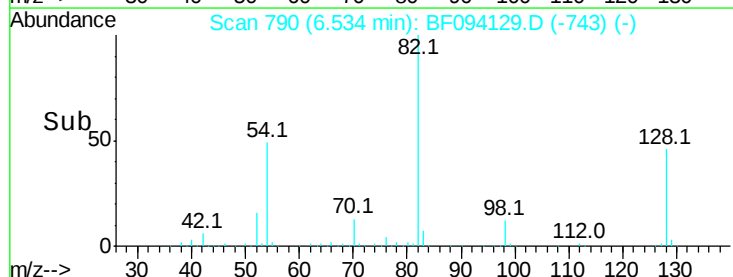
54 49.1 42.2 63.2



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



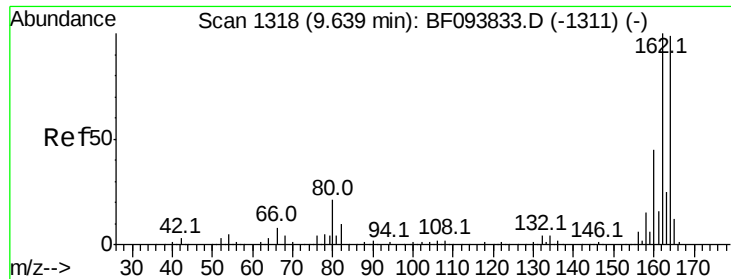
Abundance

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

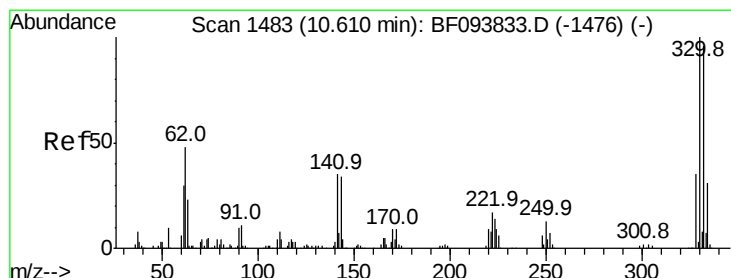
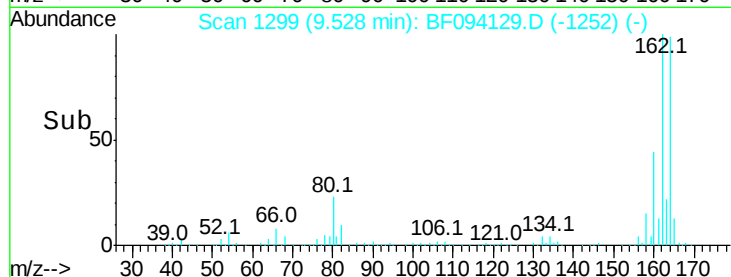
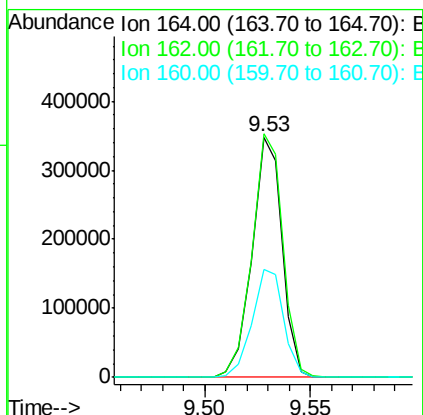
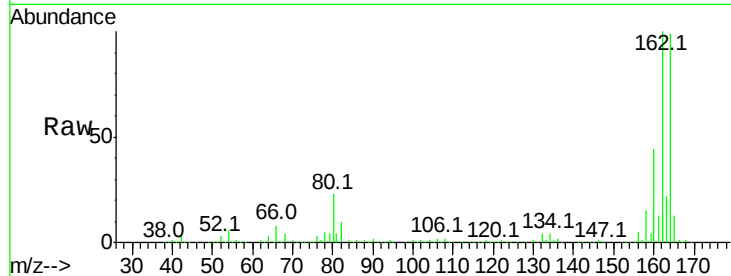
Time-->



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.02 min
 Lab File: BF094129.D
 Acq: 3 Apr 2017 19:05

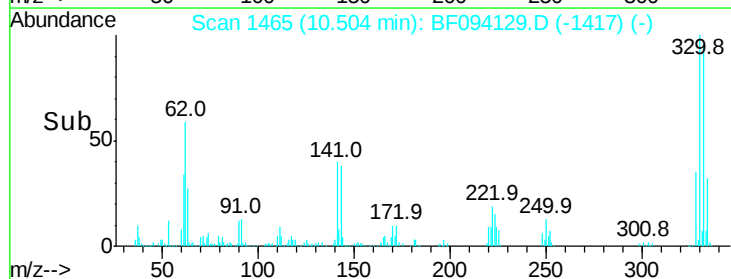
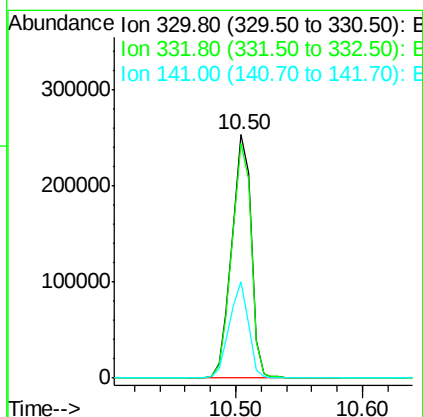
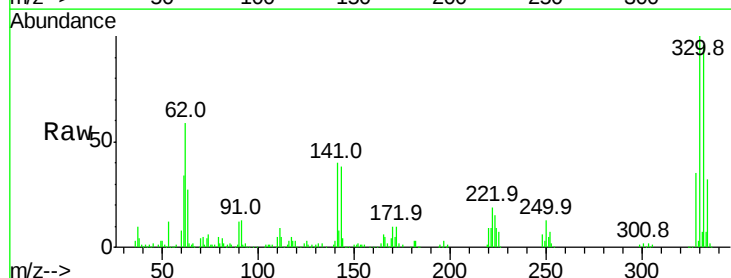
Instrument :
 BNA_F
 ClientSampleId :
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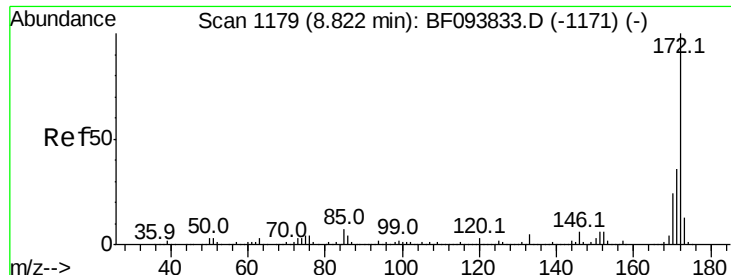
Tot Ion:164 Resp: 343761
 Ion Ratio Lower Upper
 164 100
 162 101.5 82.6 123.8
 160 44.8 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 98.39 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094129.D
 Acq: 3 Apr 2017 19:05

Tgt Ion:330 Resp: 267272
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 39.1 31.4 47.2

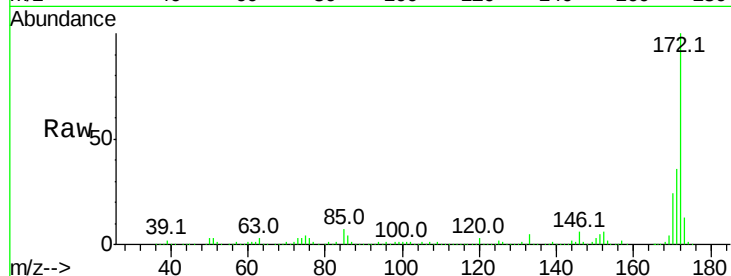




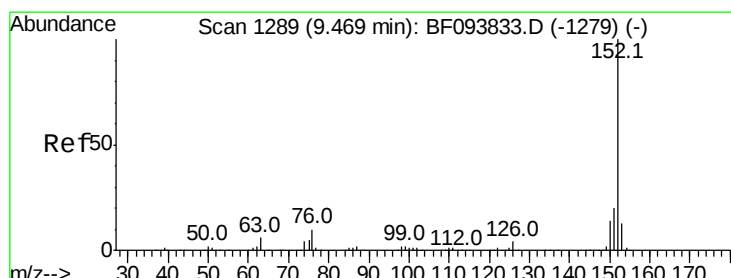
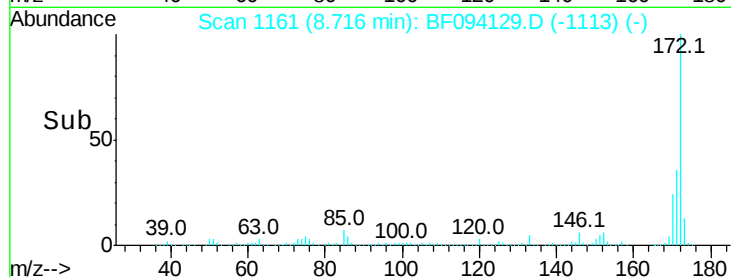
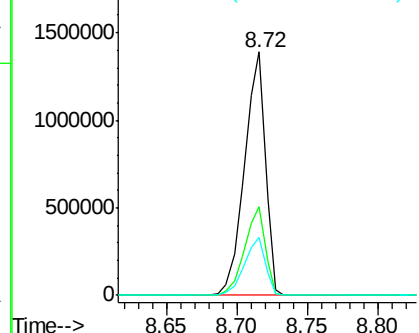
#44
2-Fluorobiphenyl
Concen: 63.65 ng
RT: 8.72 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion:172 Resp: 1434525
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 23.8 19.8 29.8

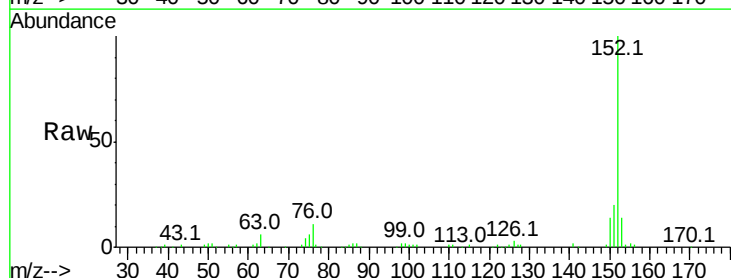


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

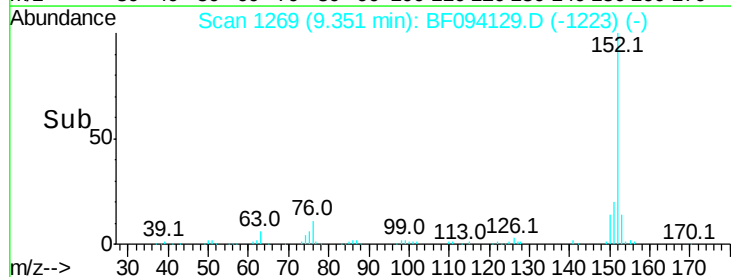
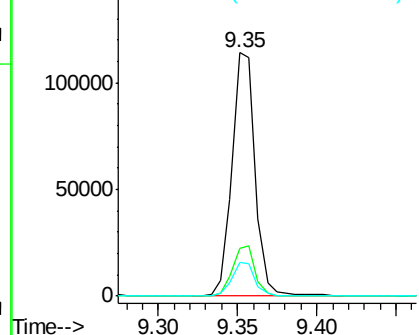


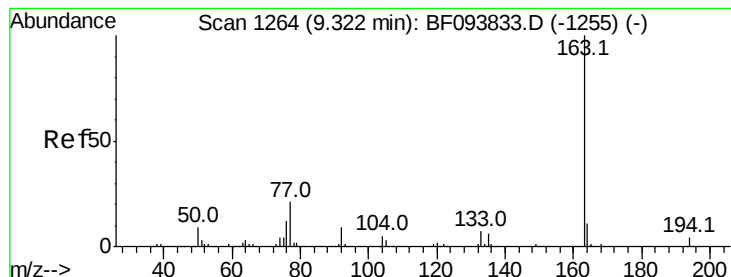
#48
Acenaphthylene
Concen: 3.22 ng
RT: 9.35 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion:152 Resp: 116143
Ion Ratio Lower Upper
152 100
151 19.9 16.8 25.2
153 13.9 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 6.20 ng

RT: 9.21 min Scan# 1245

Delta R.T. -0.04 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Instrument :

BNA_F

ClientSampleId :

TP-5

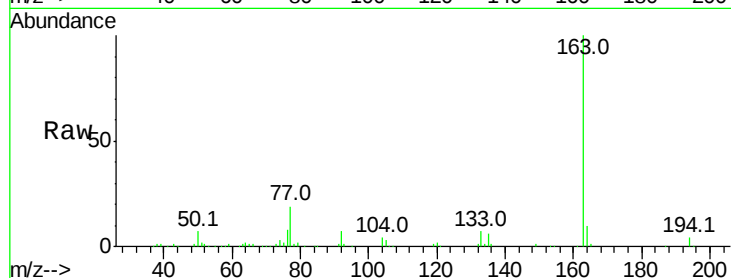
Tot Ion:163 Resp: 151436

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

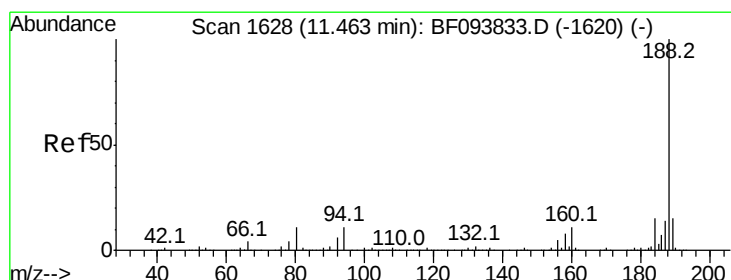
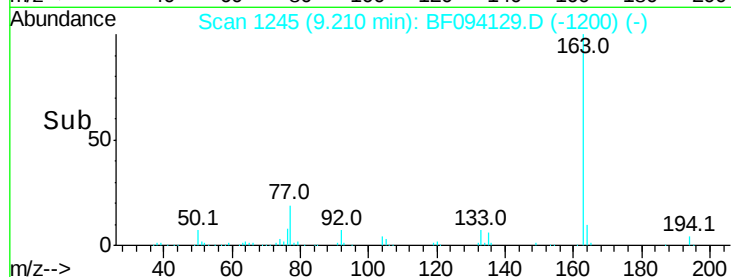
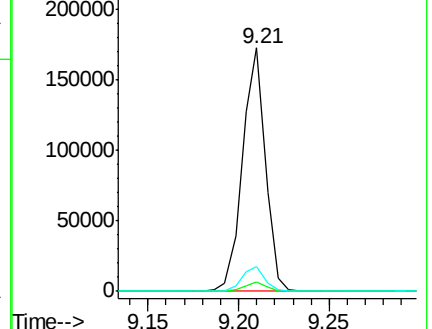
164 10.2 8.4 12.6



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: 11.36 min Scan# 1610

Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

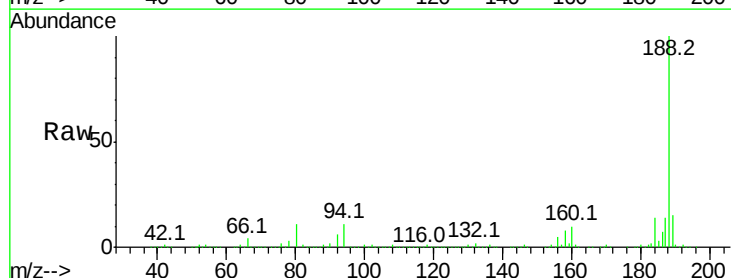
Tgt Ion:188 Resp: 555801

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

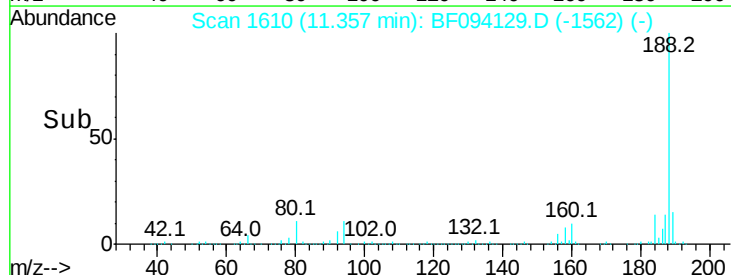
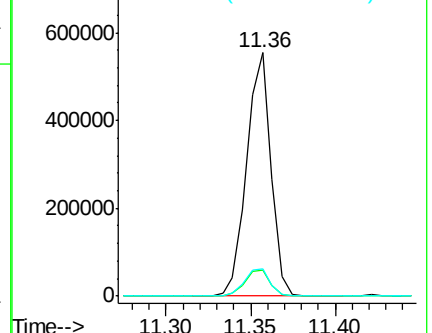
80 11.0 10.2 15.2

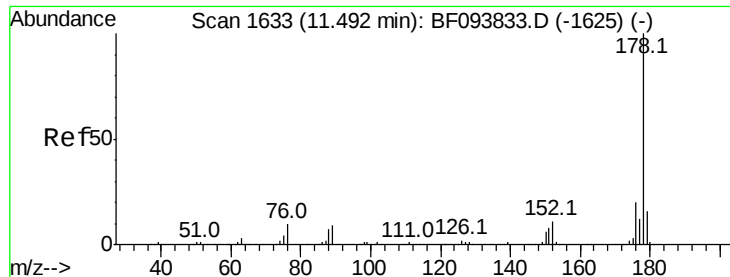


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

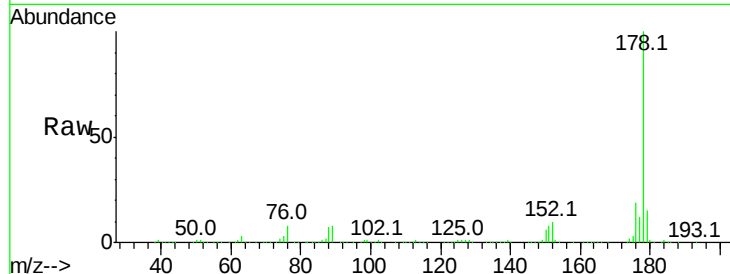




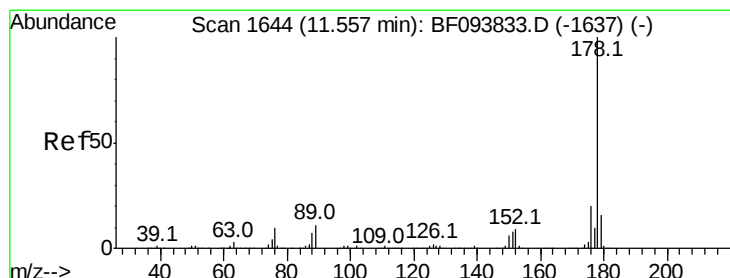
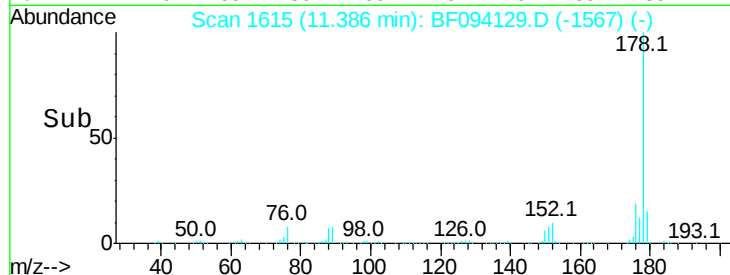
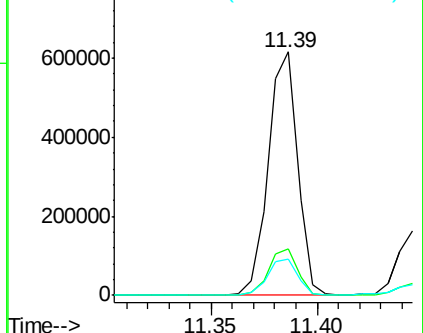
#70
Phenanthrene
Concen: 19.31 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion:178 Resp: 596903
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 15.1 12.6 19.0

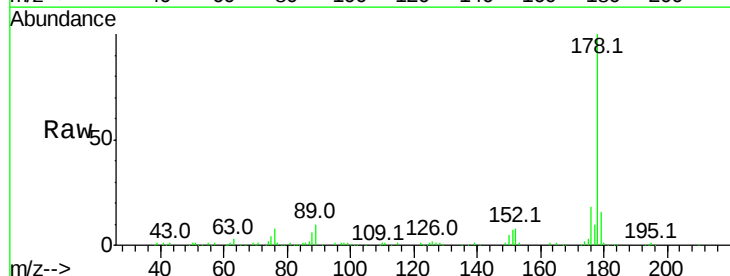


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

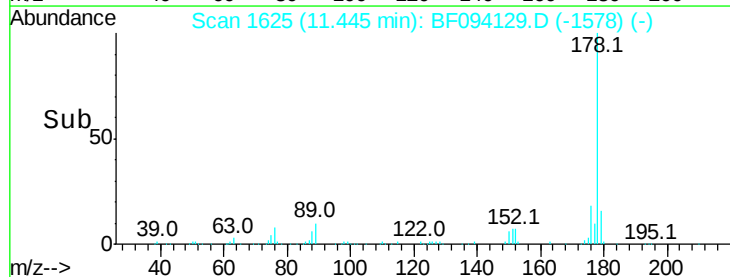
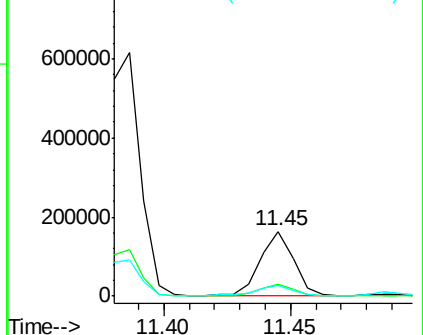


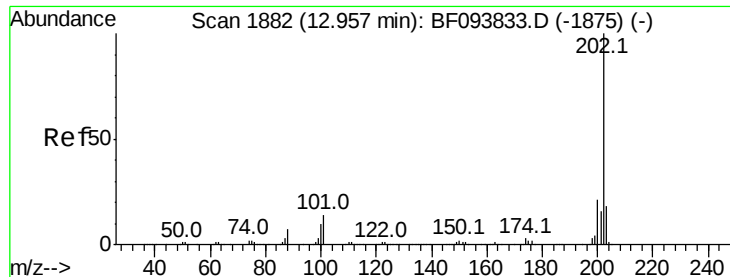
#71
Anthracene
Concen: 4.70 ng
RT: 11.45 min Scan# 1625
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion:178 Resp: 149571
Ion Ratio Lower Upper
178 100
176 17.6 15.8 23.8
179 16.0 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 22.27 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Instrument :

BNA_F

ClientSampleId :

TP-5

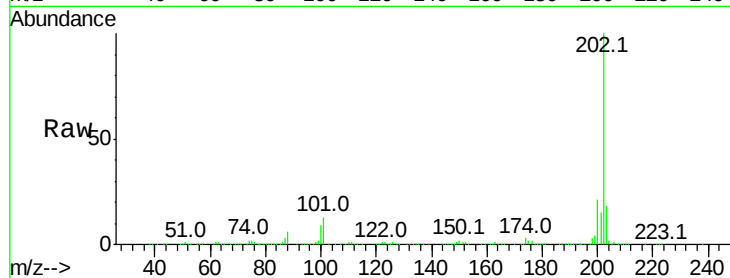
Tot Ion:202 Resp: 705069

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

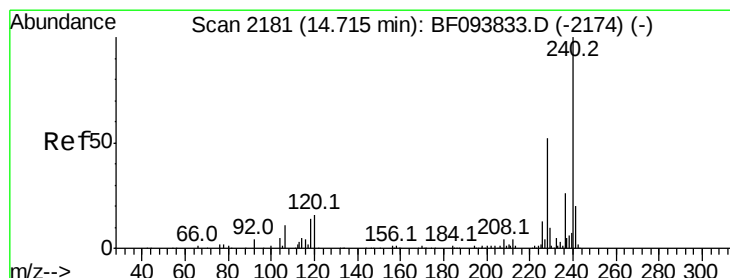
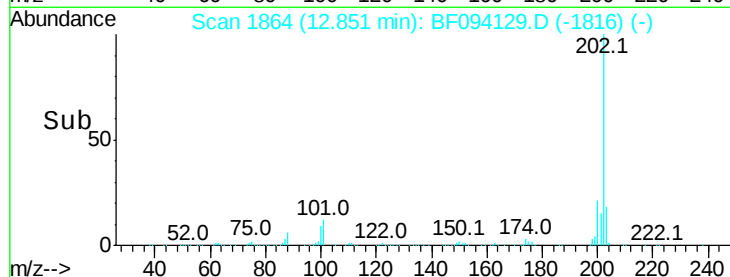
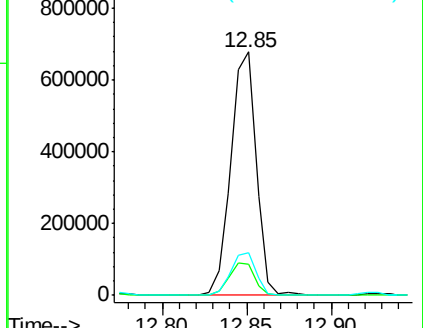
203 17.7 0.0 38.1



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: BF094129.D

Acq: 3 Apr 2017 19:05

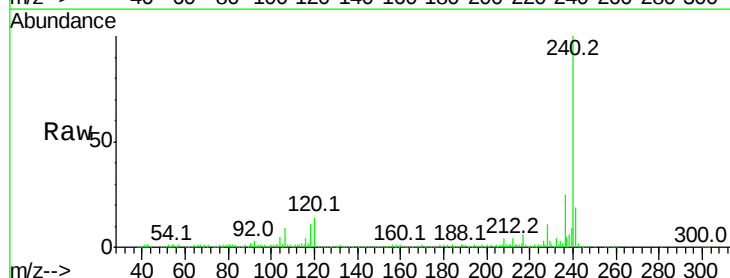
Tgt Ion:240 Resp: 353544

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

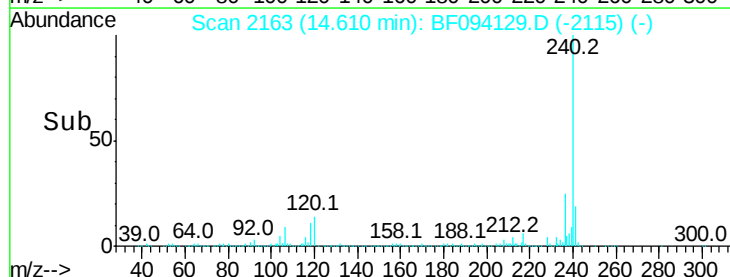
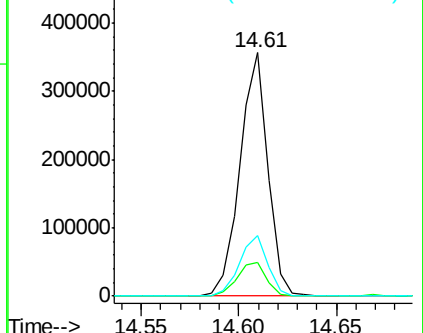
236 25.0 20.5 30.7

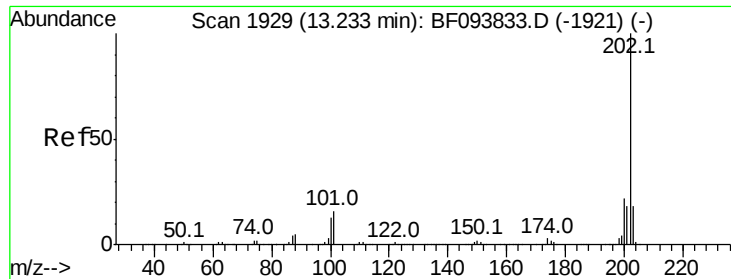


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

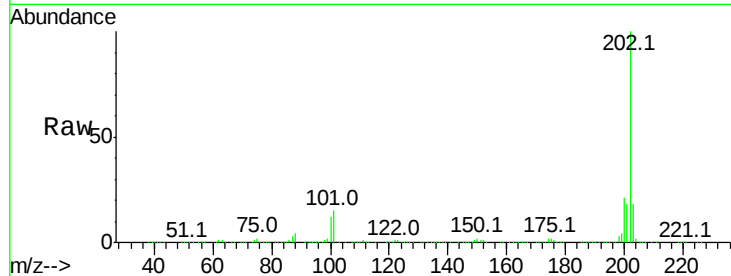




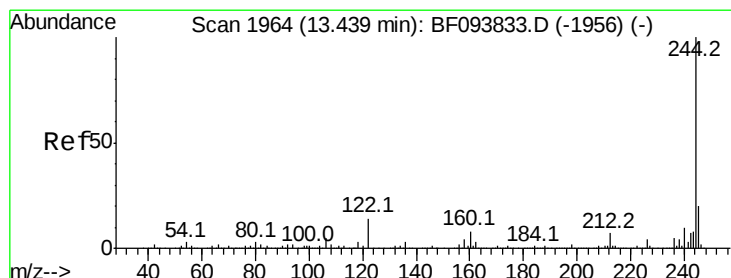
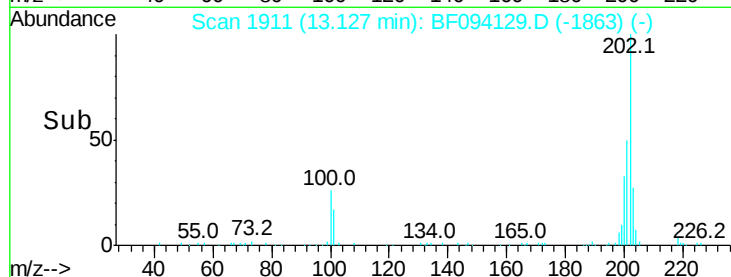
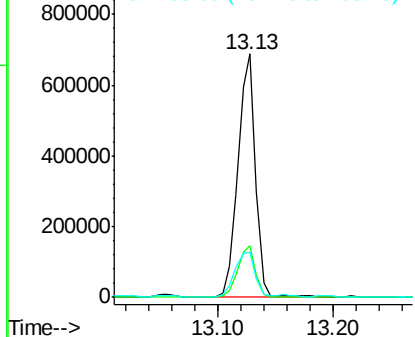
#77
Pvrene
Concen: 27.97 ng
RT: 13.13 min Scan# 1911
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion:202 Resp: 717772
Ion Ratio Lower Upper
202 100
200 21.3 17.6 26.4
203 18.4 14.4 21.6

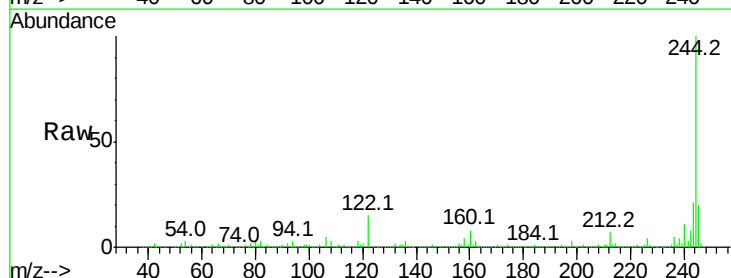


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

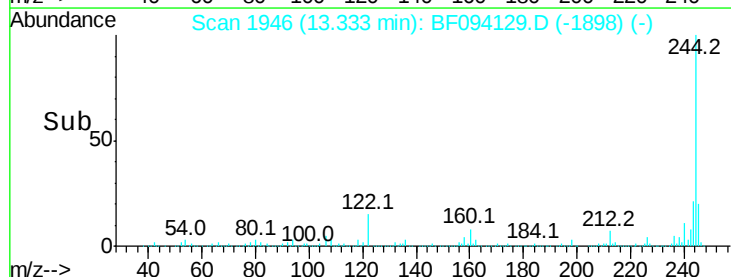
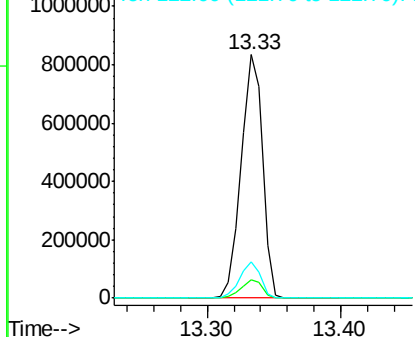


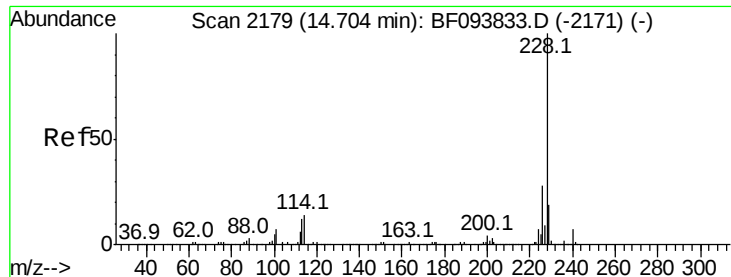
#78
Terphenyl-d14
Concen: 58.96 ng
RT: 13.33 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion:244 Resp: 929962
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 14.7 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

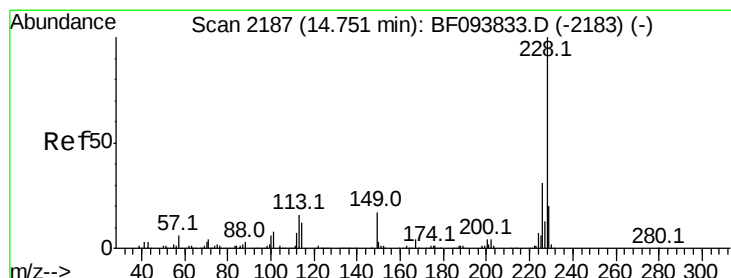
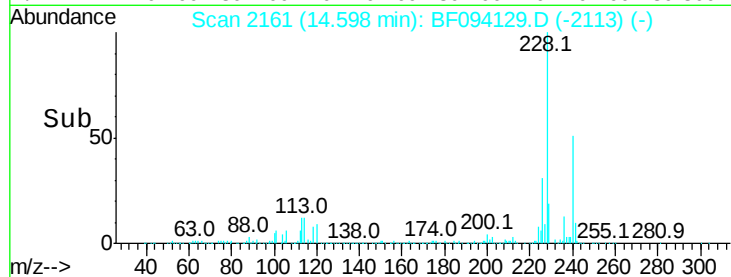
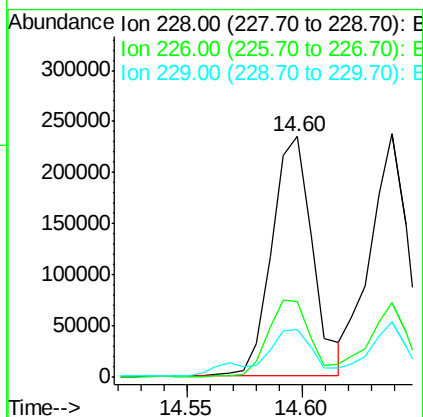
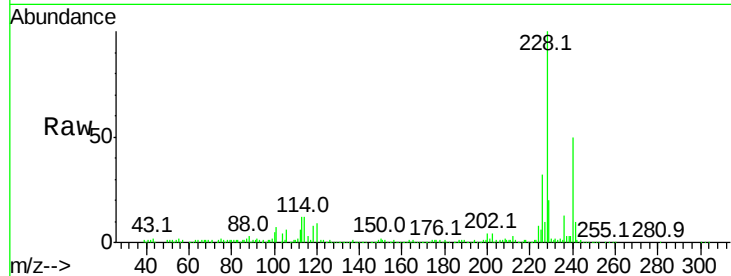




#80
Benzo(a)anthracene
Concen: 13.90 ng
RT: 14.60 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

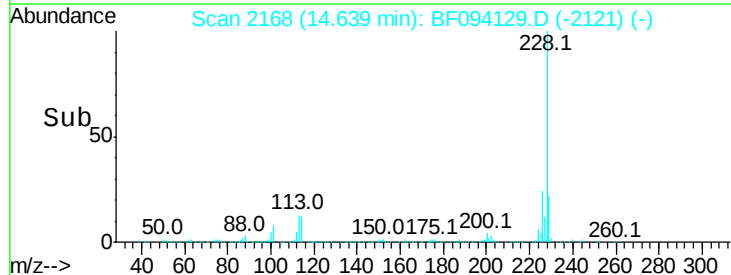
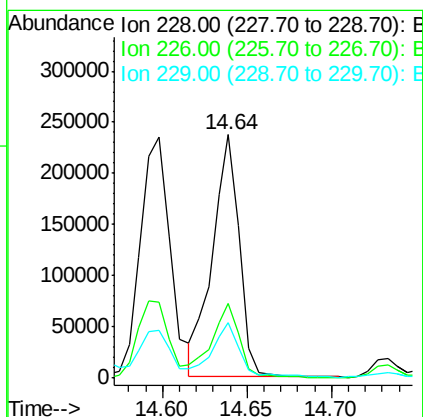
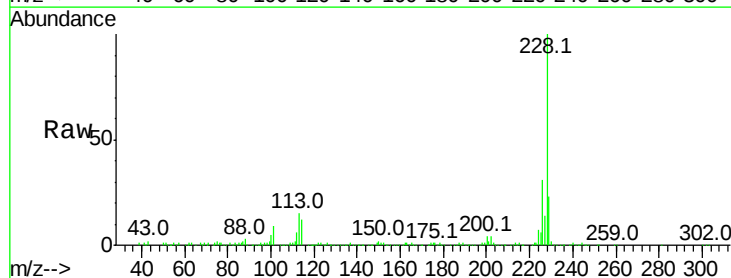
Instrument :
BNA_F
ClientSampleId :
TP-5

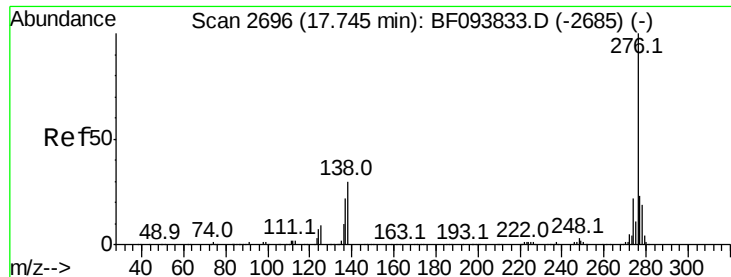
Tot Ion:228 Resp: 286581
Ion Ratio Lower Upper
228 100
226 31.5 22.6 33.8
229 19.8 16.3 24.5



#82
Chrysene
Concen: 13.77 ng
RT: 14.64 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion:228 Resp: 263513
Ion Ratio Lower Upper
228 100
226 30.5 24.9 37.3
229 22.9 15.8 23.6

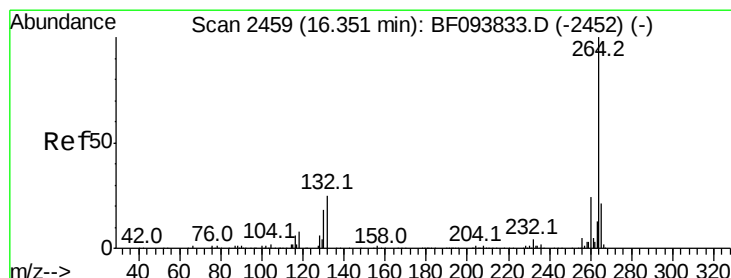
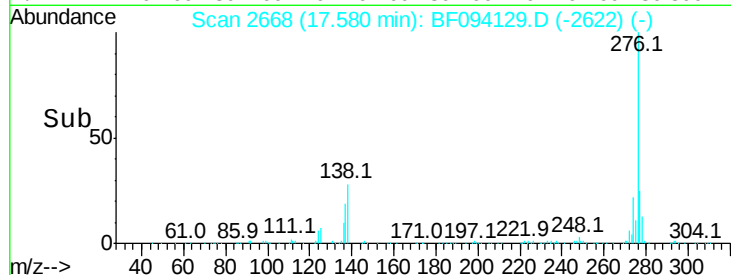
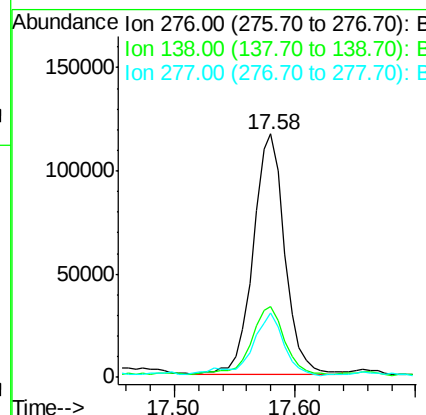
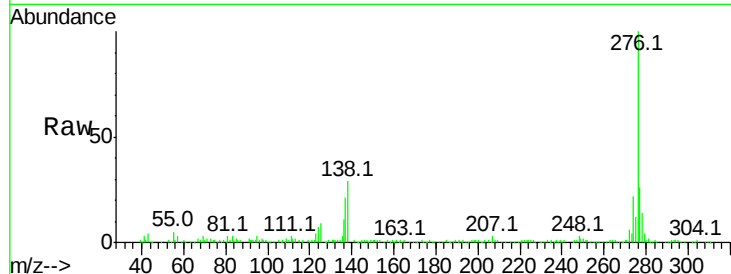




#85
Indeno(1,2,3-cd)pyrene
Concen: 12.90 ng
RT: 17.58 min Scan# 2668
Delta R.T. -0.03 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

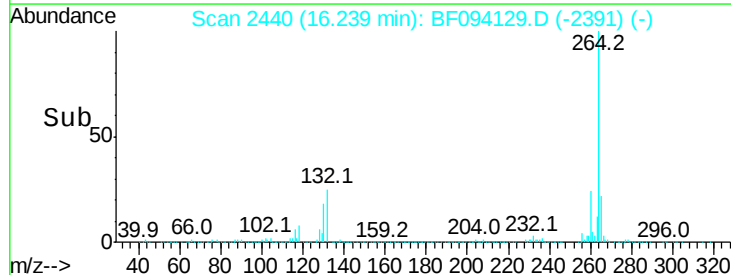
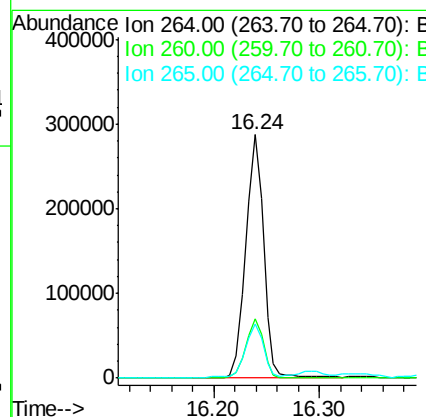
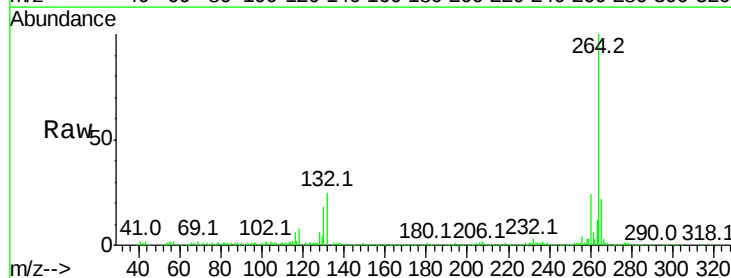
Instrument :
BNA_F
ClientSampleId :
TP-5

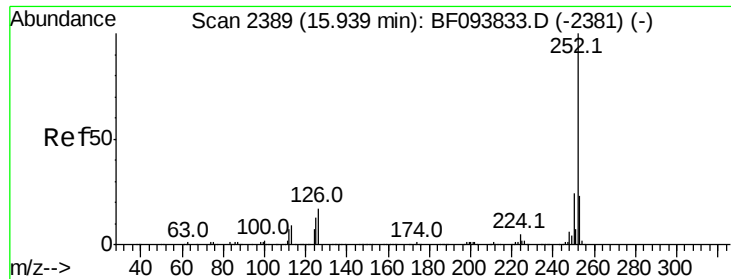
Tot Ion:276 Resp: 213696
Ion Ratio Lower Upper
276 100
138 30.7 27.8 41.6
277 27.4 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.24 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion:264 Resp: 336875
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 19.21 ng

RT: 15.83 min Scan# 2371

Delta R.T. -0.02 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

Instrument :

BNA_F

ClientSampled :

TP-5

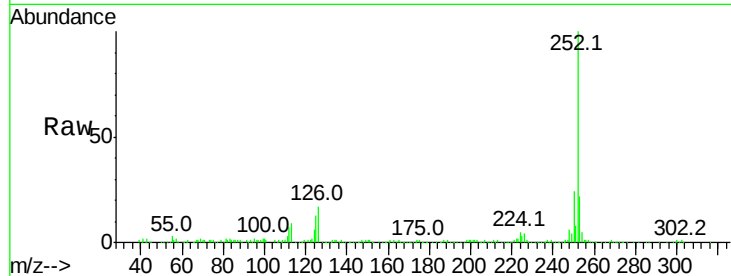
Tot Ion:252 Resp: 396643

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

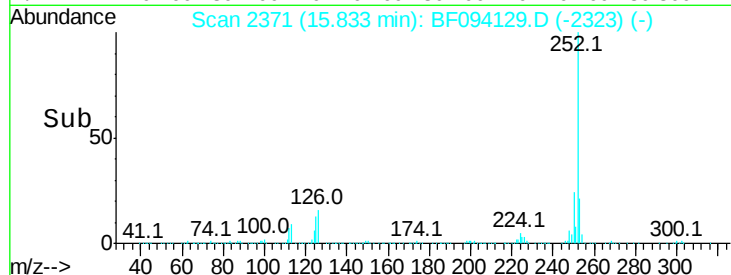
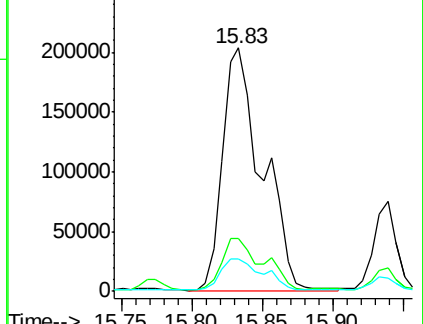
125 13.4 9.8 14.8



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: 19.63 ng

RT: 15.83 min Scan# 2371

Delta R.T. -0.05 min

Lab File: BF094129.D

Acq: 3 Apr 2017 19:05

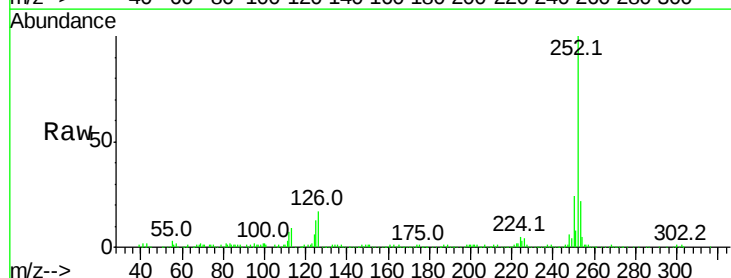
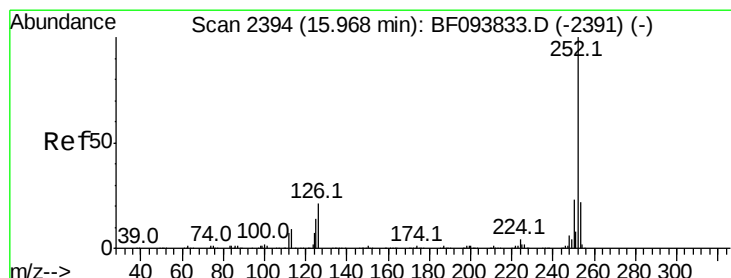
Tgt Ion:252 Resp: 396643

Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

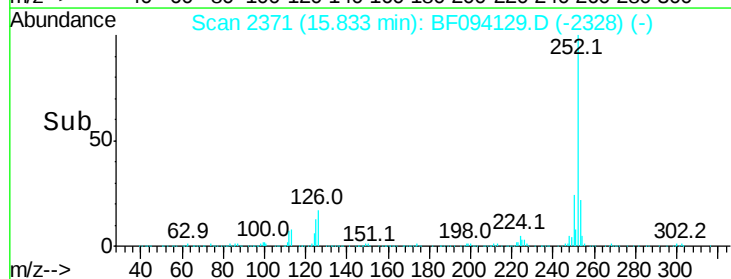
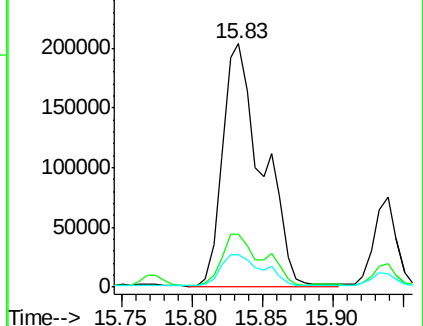
125 13.4 13.1 19.7

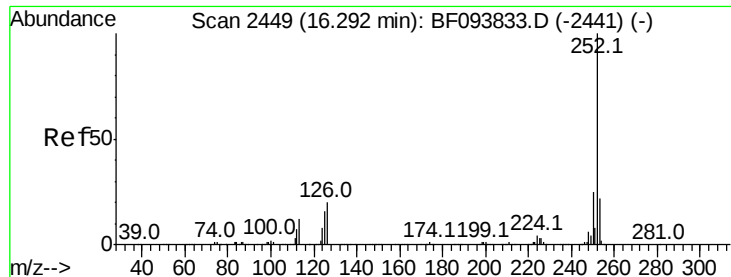


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

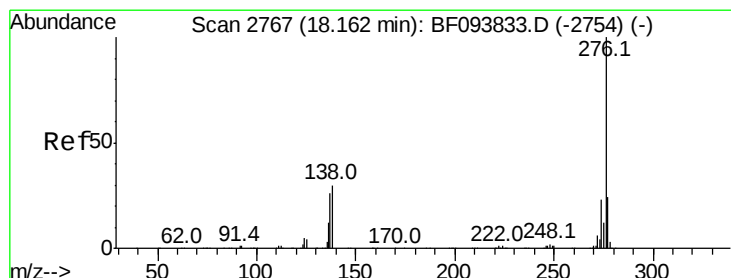
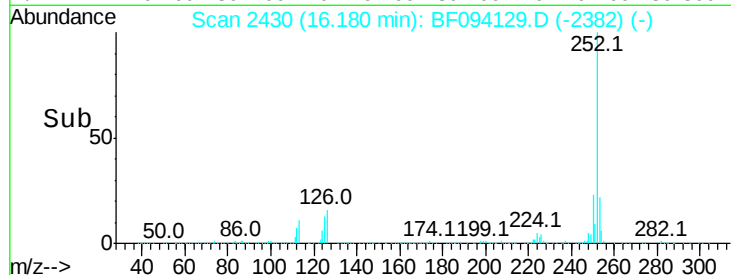
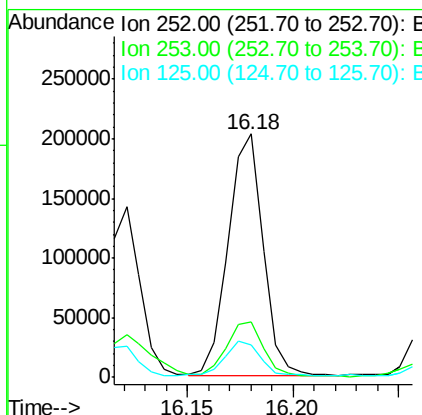
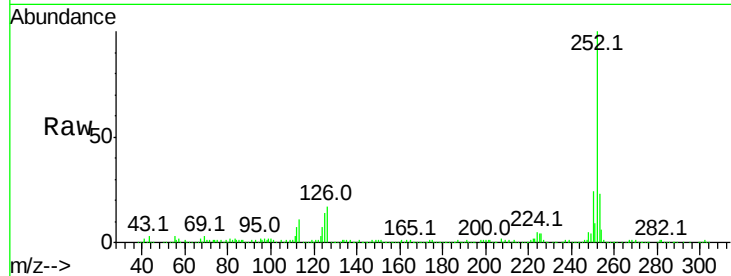




#89
Benzo(a)pyrene
Concen: 12.07 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion:252 Resp: 229501
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 13.5 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 18.43 ng
RT: 17.98 min Scan# 2736
Delta R.T. -0.03 min
Lab File: BF094129.D
Acq: 3 Apr 2017 19:05

Tgt Ion:276 Resp: 299134
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 28.5 25.4 38.0

