

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094242.D
 Acq On : 6 Apr 2017 21:41
 Operator : SJ/MA
 Sample : I2528-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-5

Quant Time: Apr 07 01:47:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

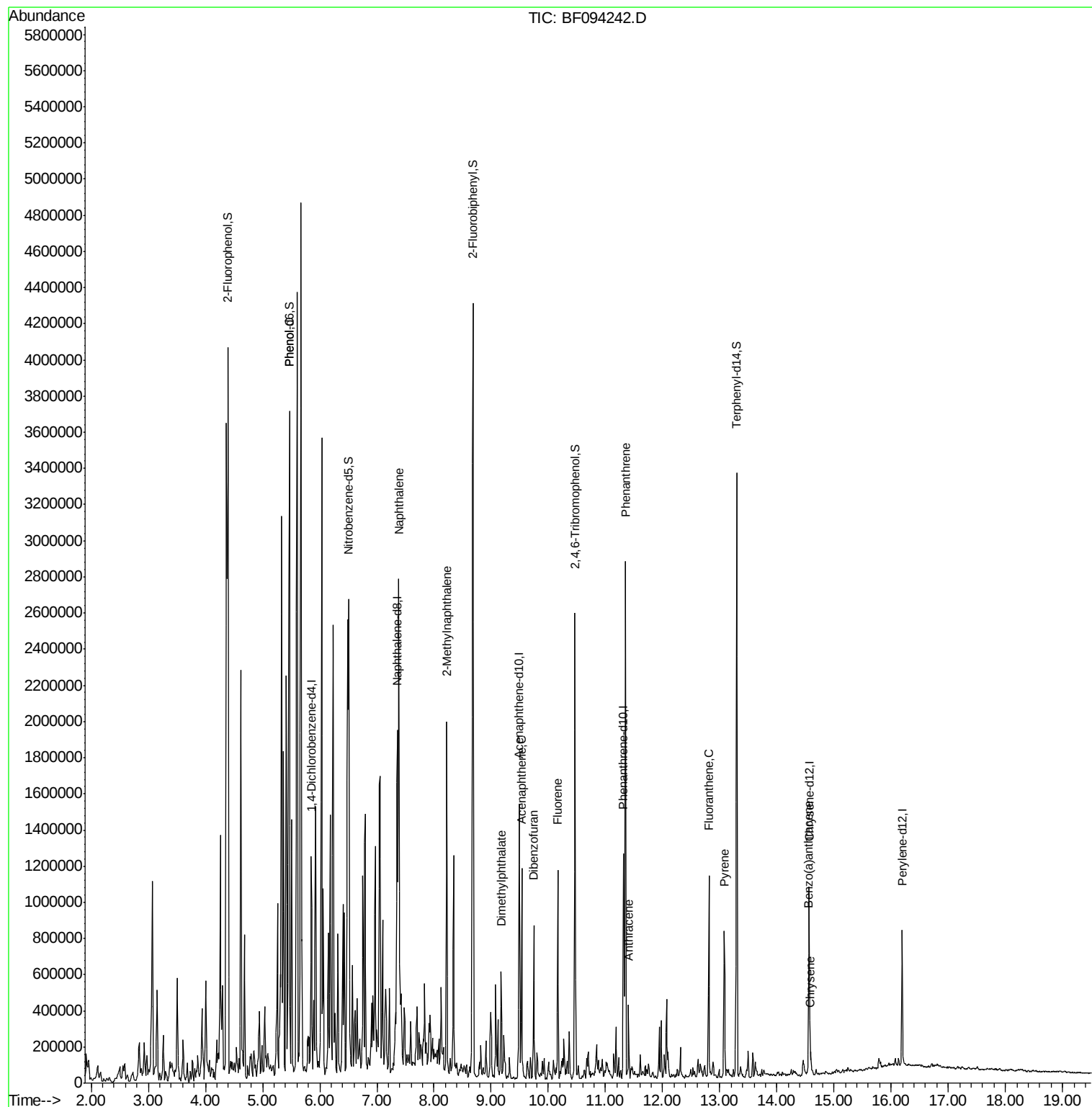
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	171598	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	680775	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	321317	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	553744	20.00	ng	0.00
75) Chrysene-d12	14.56	240	360530	20.00	ng	-0.01
86) Perylene-d12	16.19	264	287768	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1391583	136.97	ng	0.01
7) Phenol-d6	5.47	99	1833362	145.87	ng	0.00
23) Nitrobenzene-d5	6.50	82	1089928	91.37	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	360181	141.85	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1671800	79.36	ng	0.00
78) Terphenyl-d14	13.30	244	1239201	77.04	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.47	94	132190	9.24	ng	98
31) Naphthalene	7.38	128	1232373	37.65	ng	100
37) 2-Methylnaphthalene	8.22	142	628368	28.80	ng	98
49) Dimethylphthalate	9.17	163	250460	10.97	ng	99
51) Acenaphthene	9.53	154	265704	13.51	ng	99
54) Dibenzofuran	9.75	168	333215	12.44	ng	98
57) Fluorene	10.17	166	346563	15.60	ng	99
70) Phenanthrene	11.35	178	1195074	38.80	ng	100
71) Anthracene	11.41	178	167586	5.28	ng	98
74) Fluoranthene	12.81	202	498610	15.81	ng	99
77) Pyrene	13.08	202	330158	12.62	ng	96
80) Benzo(a)anthracene	14.55	228	52562	2.50	ng	94
82) Chrysene	14.59	228	50797	2.60	ng	96

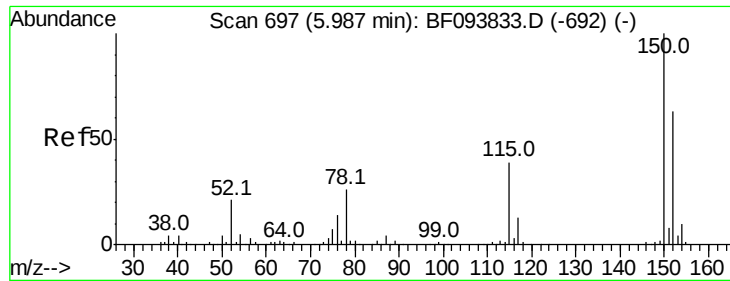
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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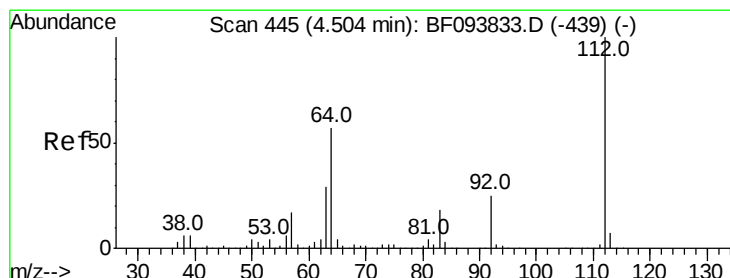
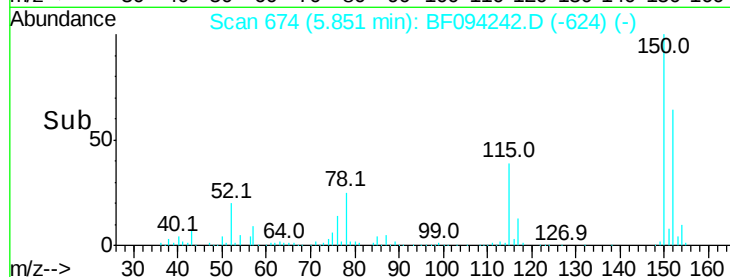
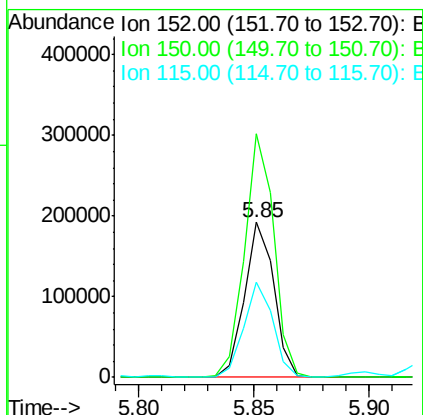
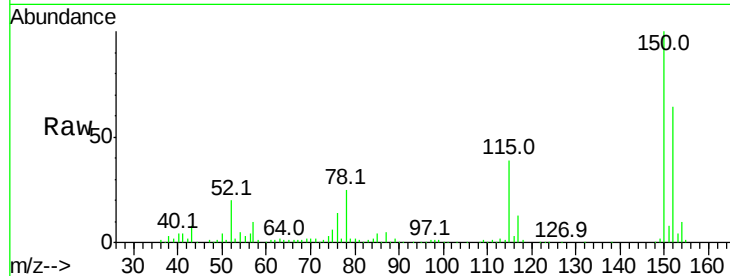


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TS-5

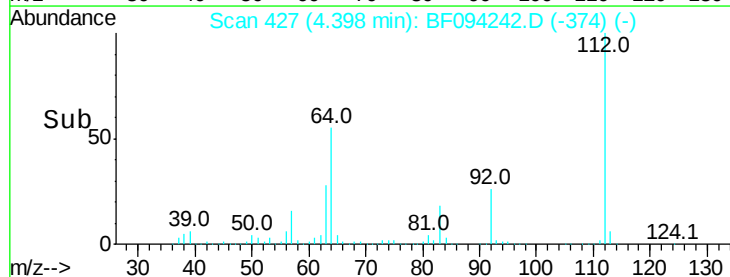
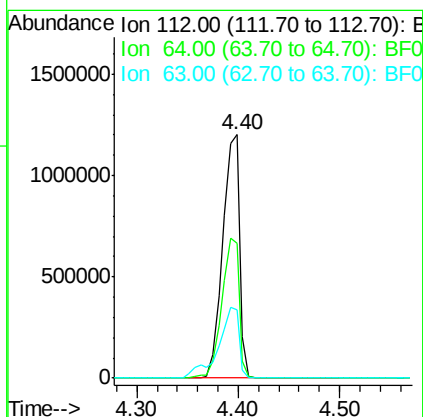
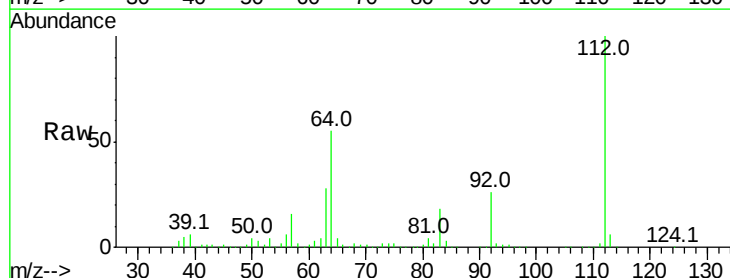
Tot Ion:152 Resp: 171598
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.2
115 61.7 52.2 78.2

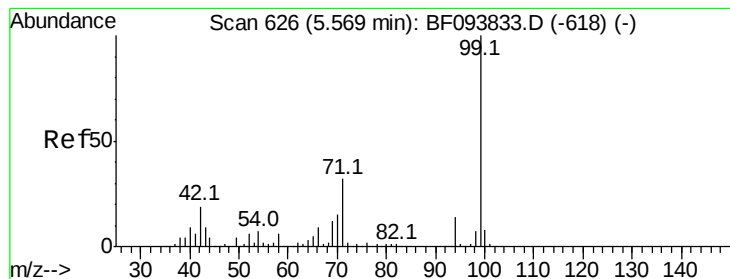


#5

2-Fluorophenol
Concen: 136.97 ng
RT: 4.40 min Scan# 427
Delta R.T. 0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Tgt Ion:112 Resp: 1391583
Ion Ratio Lower Upper
112 100
64 55.2 46.0 69.0
63 28.0 23.4 35.0





#7

Phenol-d6

Concen: 145.87 ng

RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

Instrument :

BNA_F

ClientSampleId :

TS-5

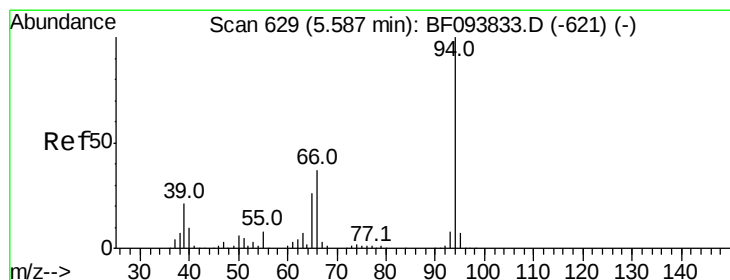
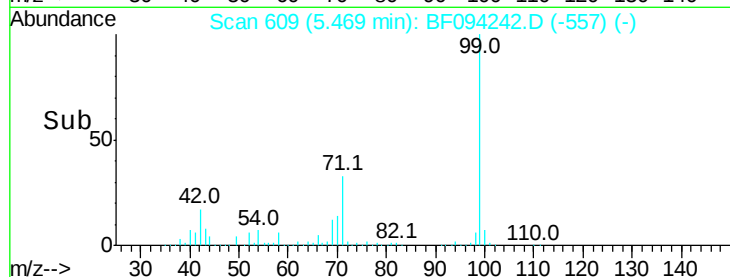
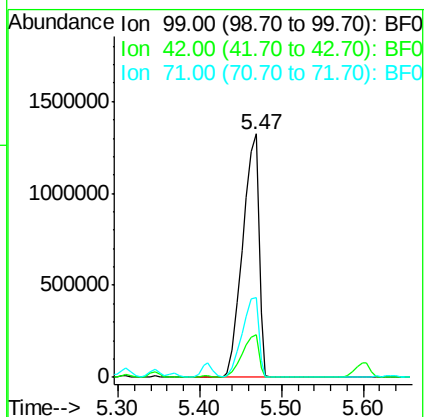
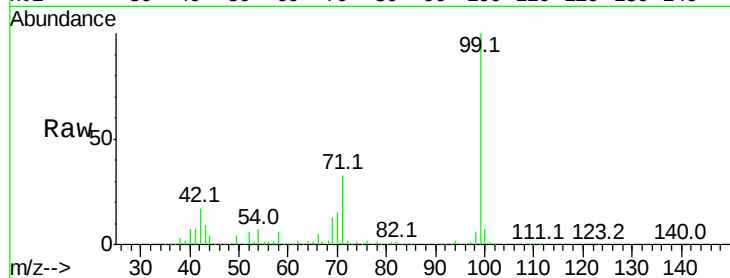
Tot Ion: 99 Resp: 1833362

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

71 33.0 24.5 36.7



#10

Phenol

Concen: 9.24 ng

RT: 5.47 min Scan# 610

Delta R.T. -0.01 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

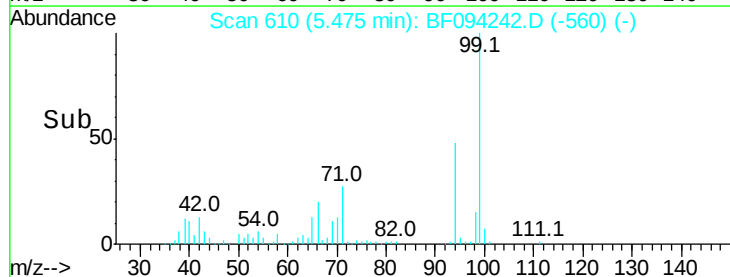
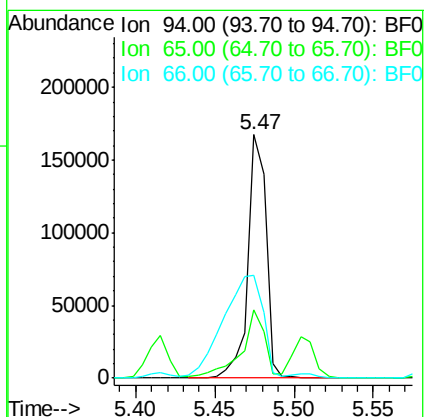
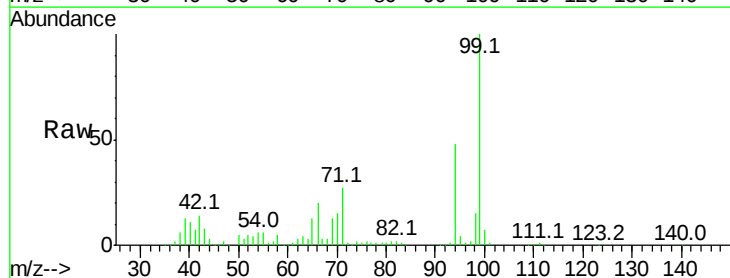
Tgt Ion: 94 Resp: 132190

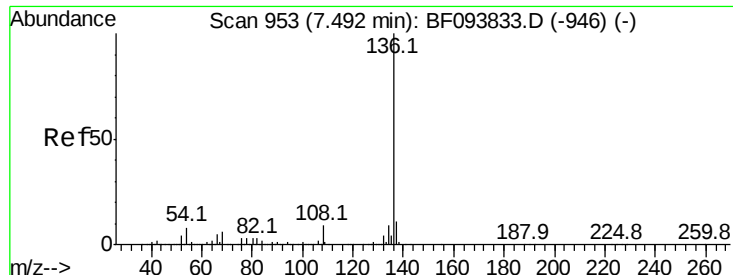
Ion Ratio Lower Upper

94 100

65 28.2 9.9 49.9

66 42.3 23.1 63.1

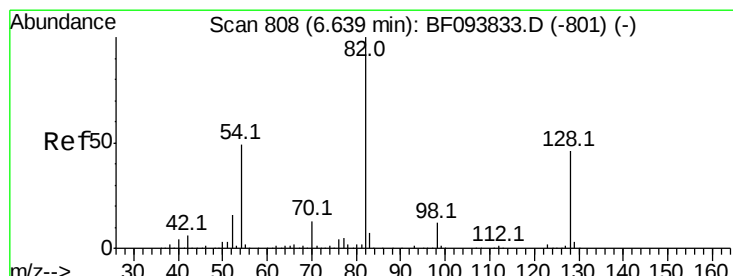
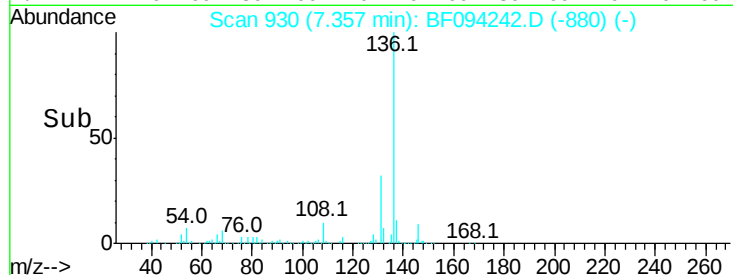
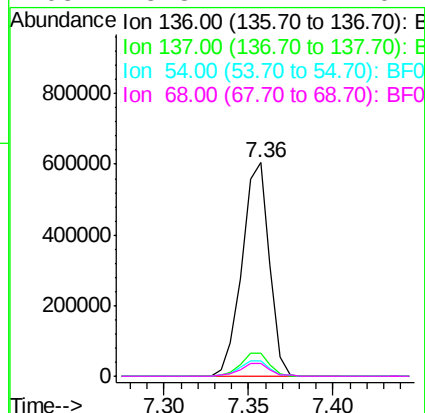
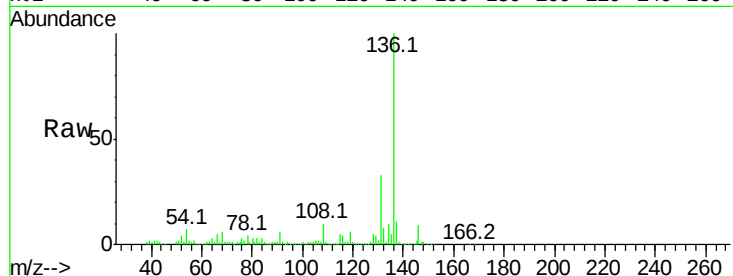




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

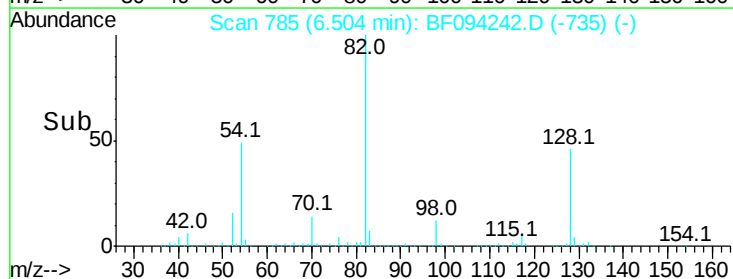
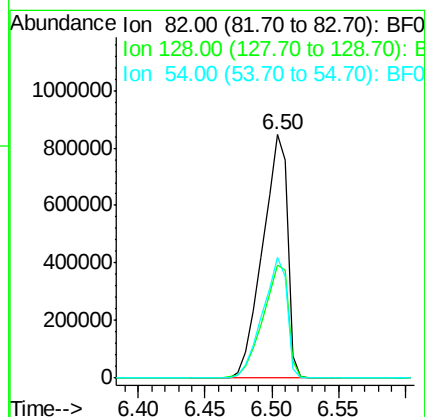
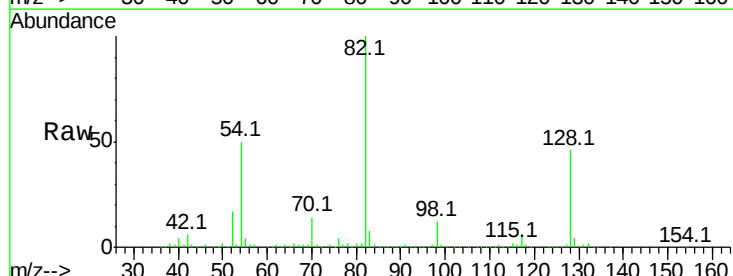
Instrument :
BNA_F
ClientSampleId :
TS-5

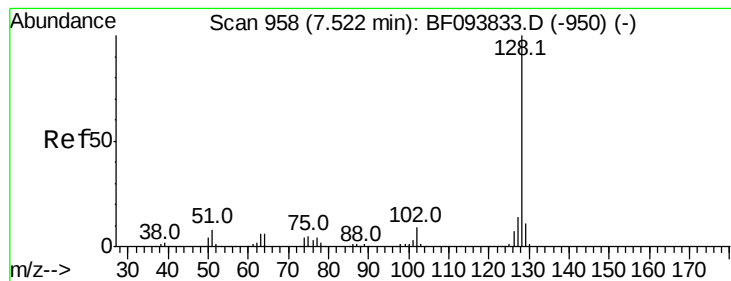
Tot Ion:136	Resp: 680775
Ion Ratio	Lower Upper
136 100	
137 11.0	8.5 12.7
54 7.5	4.9 7.3#
68 5.8	4.1 6.1



#23
Nitrobenzene-d5
Concen: 91.37 ng
RT: 6.50 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Tgt Ion: 82	Resp: 1089928
Ion Ratio	Lower Upper
82 100	
128 46.4	34.0 51.0
54 49.5	42.2 63.2





#31

Naphthalene

Concen: 37.65 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

Instrument :

BNA_F

ClientSampleId :

TS-5

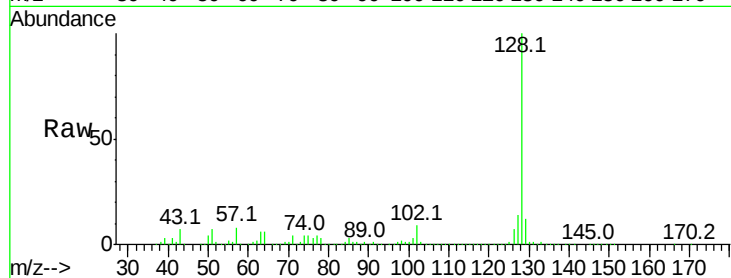
Tot Ion:128 Resp: 1232373

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

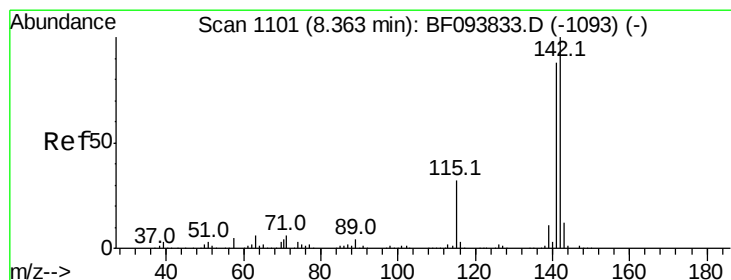
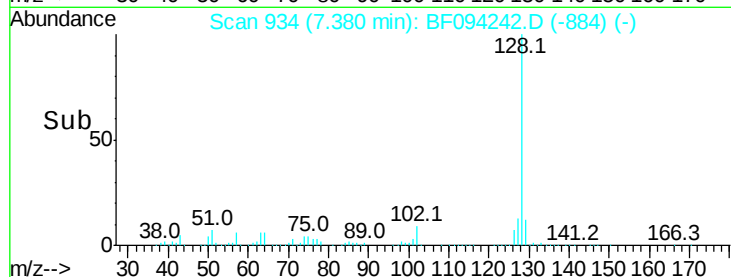
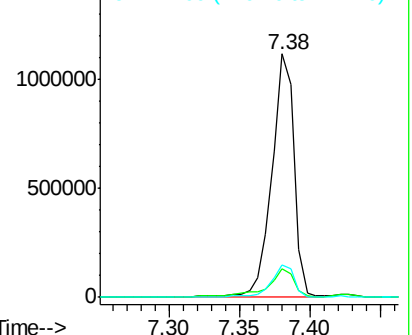
127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 28.80 ng

RT: 8.22 min Scan# 1077

Delta R.T. -0.01 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

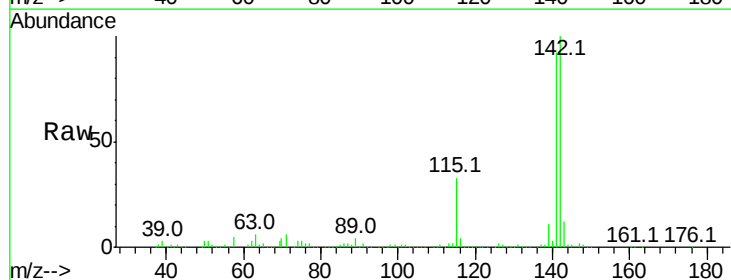
Tgt Ion:142 Resp: 628368

Ion Ratio Lower Upper

142 100

141 91.7 71.3 106.9

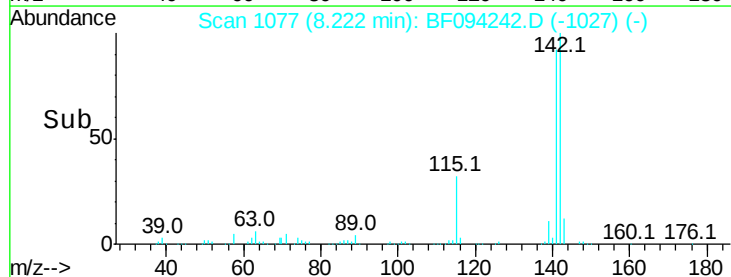
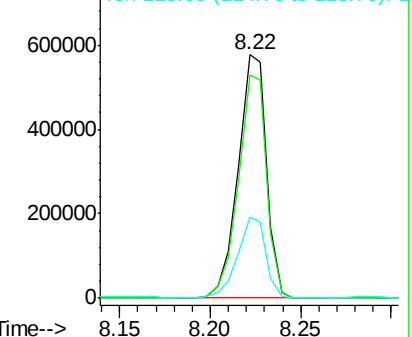
115 33.4 27.1 40.7

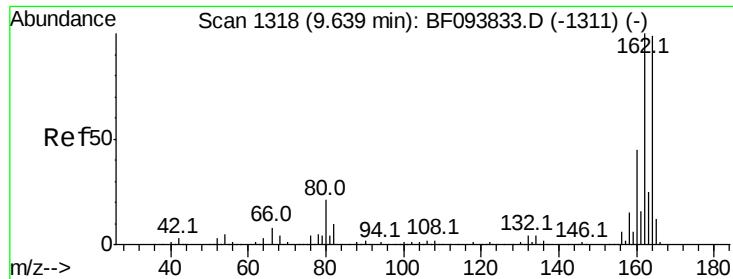


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

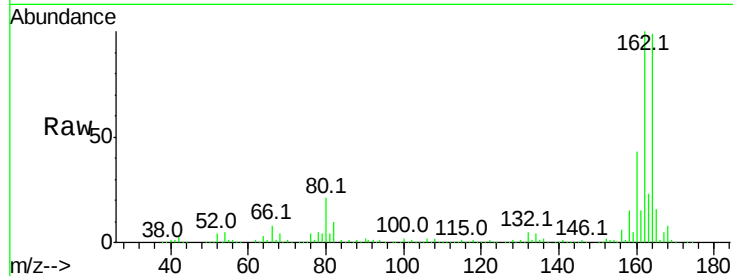




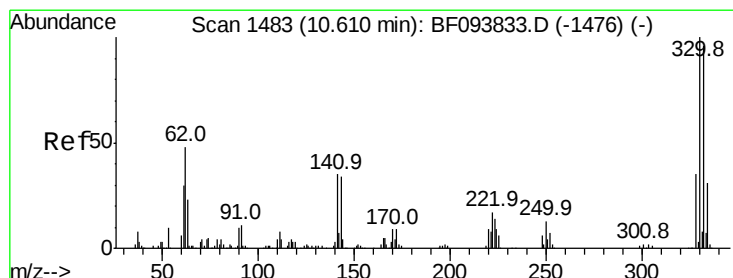
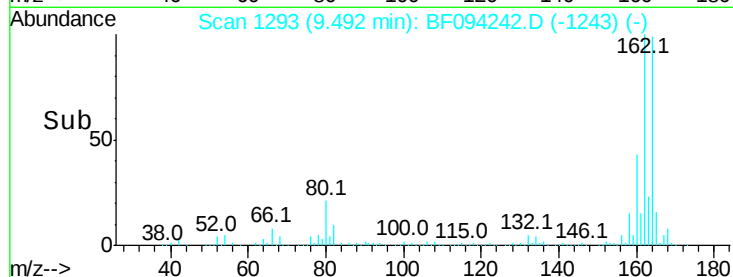
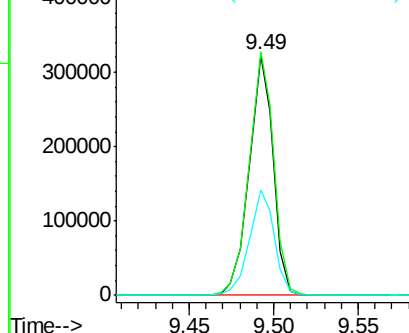
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :
 TS-5

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	43.8	36.2	54.2

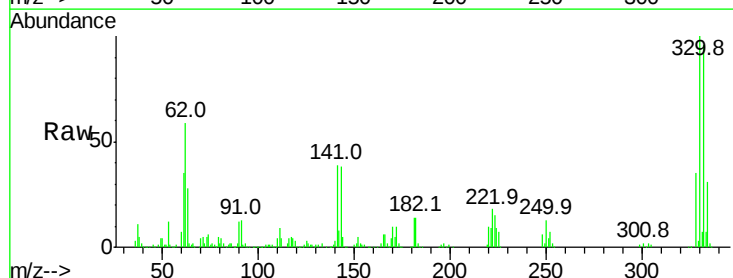


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

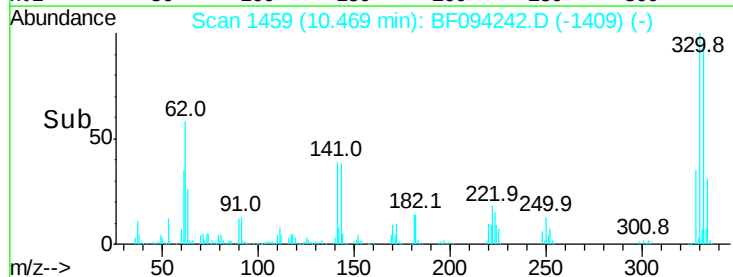
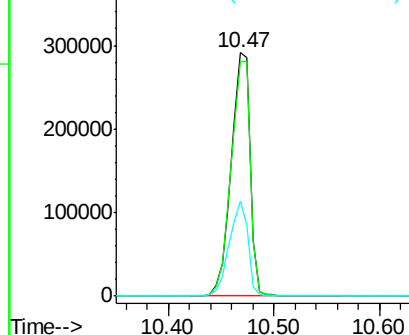


#41
 2,4,6-Tribromophenol
 Concen: 141.85 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	115.0
141	38.0	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

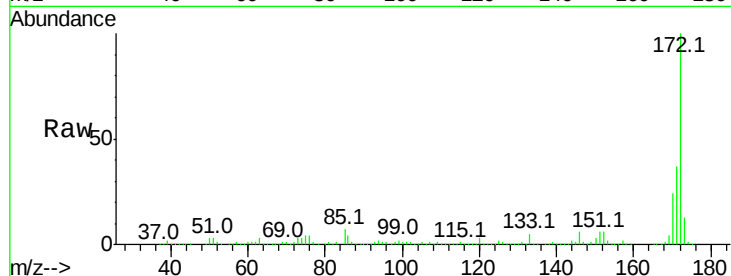




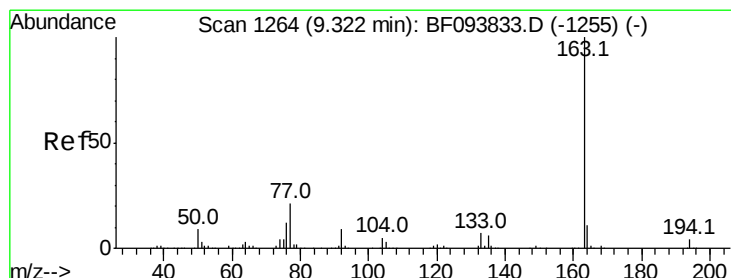
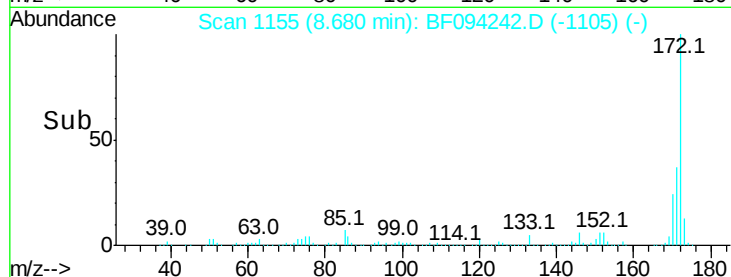
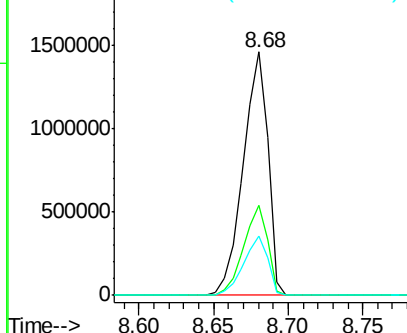
#44
2-Fluorobiphenyl
Concen: 79.36 ng
RT: 8.68 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TS-5

Tot Ion:172 Resp: 1671800
Ion Ratio Lower Upper
172 100
171 37.1 29.6 44.4
170 24.2 19.8 29.8

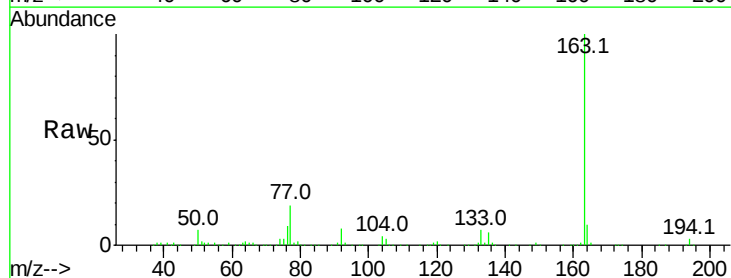


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

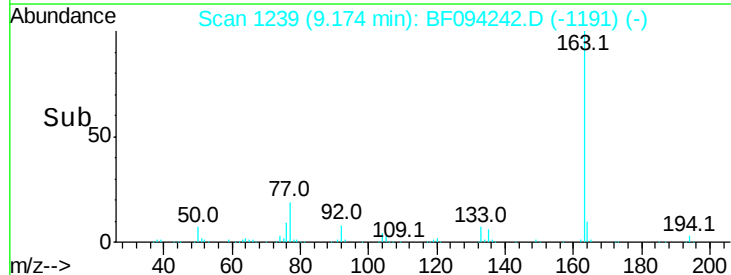
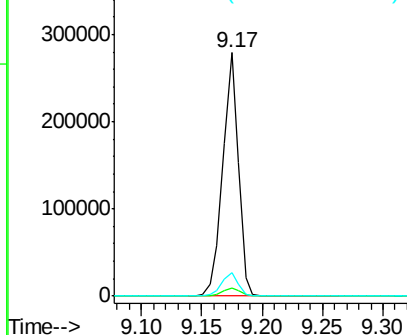


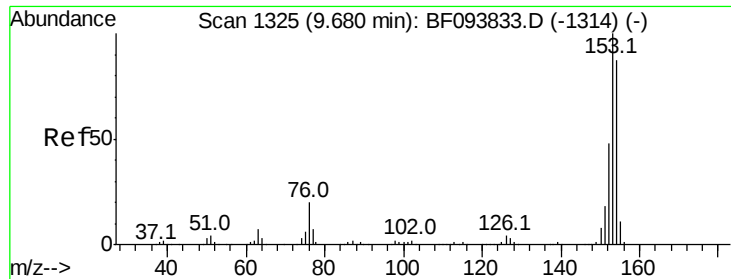
#49
Dimethylphthalate
Concen: 10.97 ng
RT: 9.17 min Scan# 1239
Delta R.T. -0.02 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Tgt Ion:163 Resp: 250460
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.8 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





#51

Acenaphthene

Concen: 13.51 ng

RT: 9.53 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

Instrument :

BNA_F

ClientSampleId :

TS-5

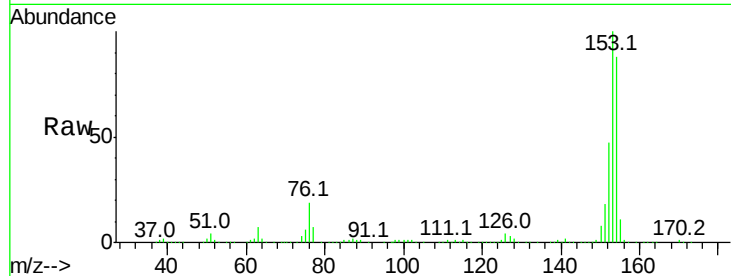
Tot Ion:154 Resp: 265704

Ion Ratio Lower Upper

154 100

153 113.3 90.5 135.7

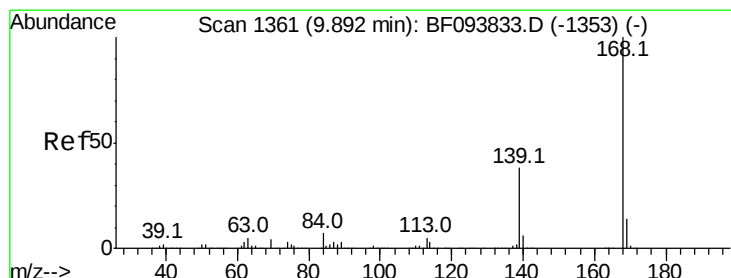
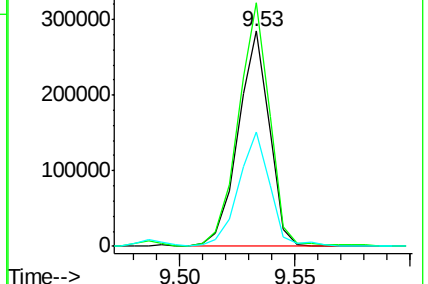
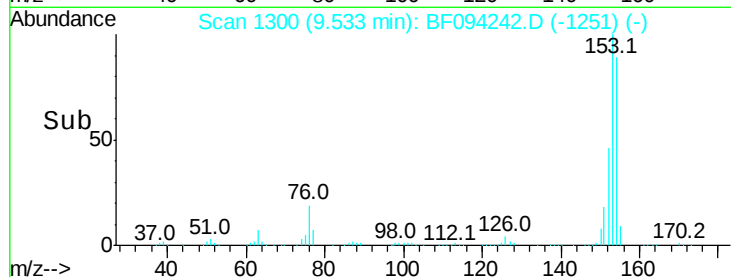
152 53.0 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 12.44 ng

RT: 9.75 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

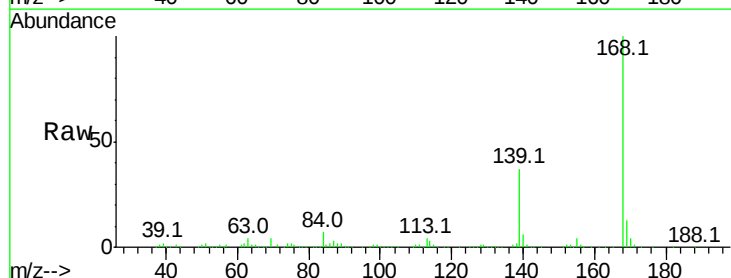
Tgt Ion:168 Resp: 333215

Ion Ratio Lower Upper

168 100

139 37.0 30.6 45.8

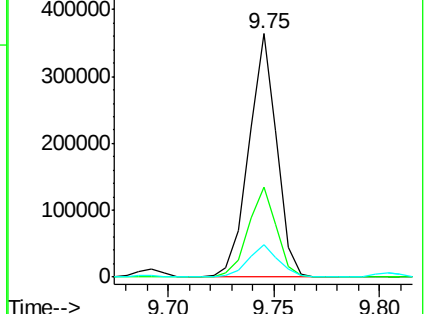
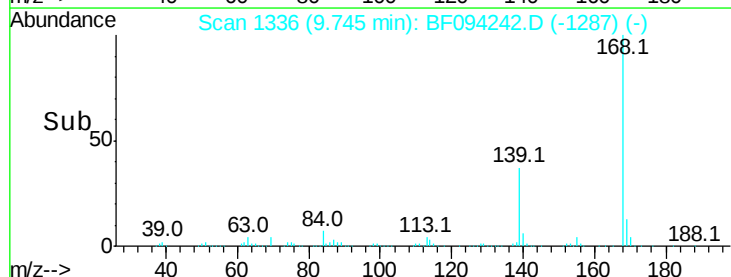
169 13.3 10.8 16.2

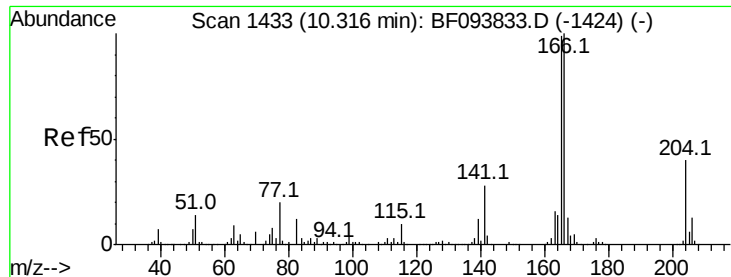


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

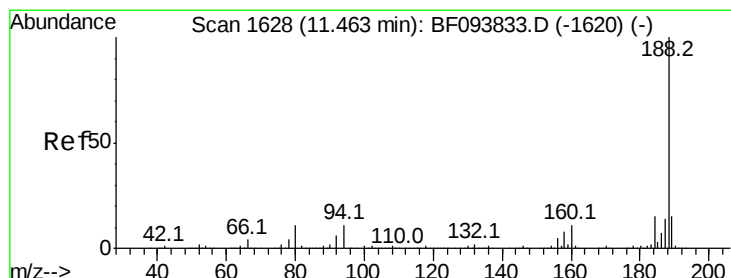
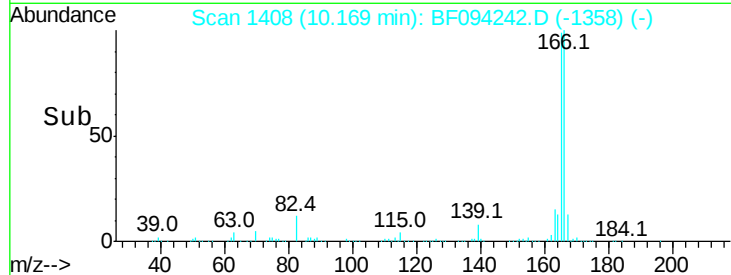
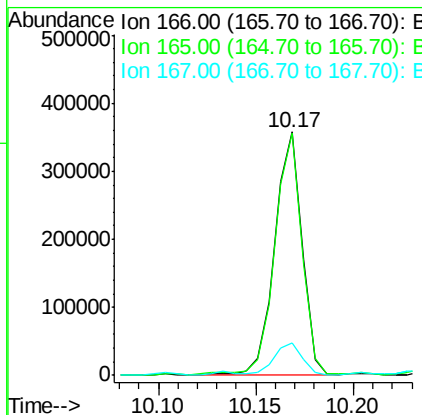
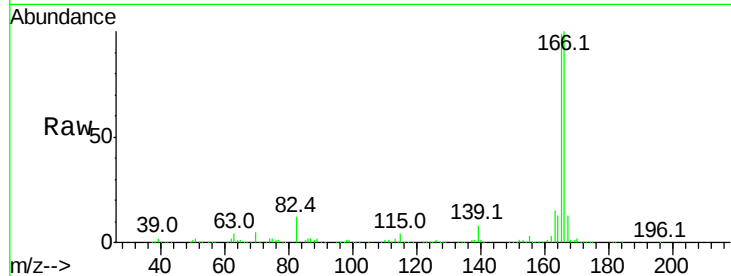




#57
Fluorene
 Concen: 15.60 ng
 RT: 10.17 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

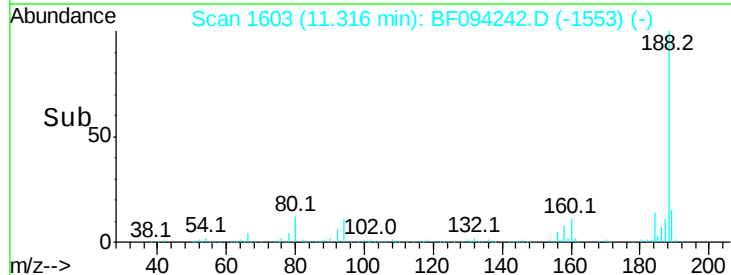
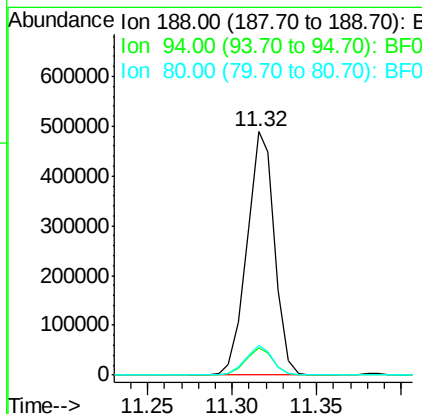
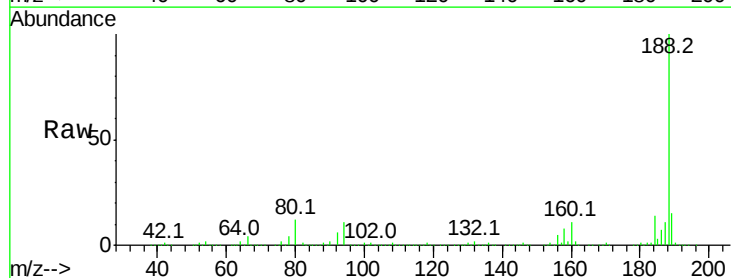
Instrument :
 BNA_F
 ClientSampleId :
 TS-5

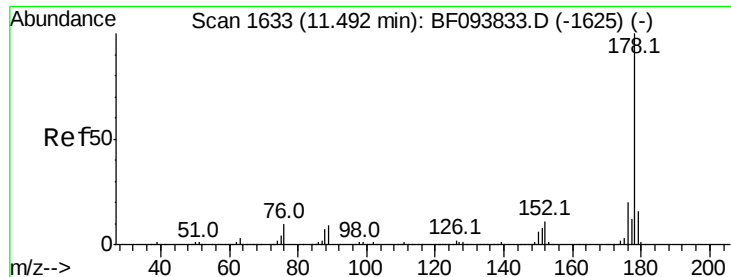
Tot Ion:166 Resp: 346563
 Ion Ratio Lower Upper
 166 100
 165 99.4 78.8 118.2
 167 13.4 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

Tgt Ion:188 Resp: 553744
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 12.1 10.2 15.2

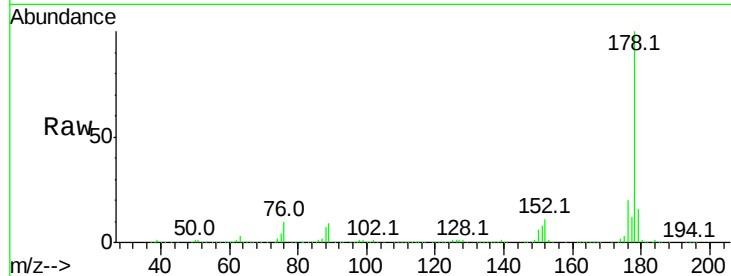




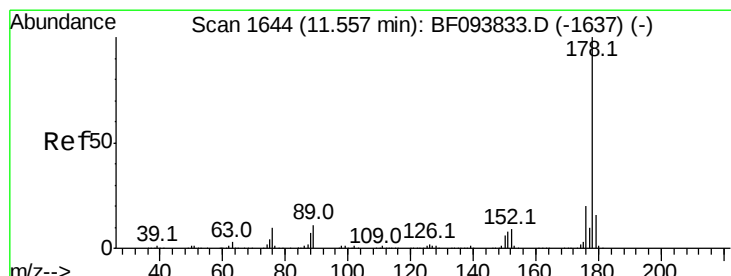
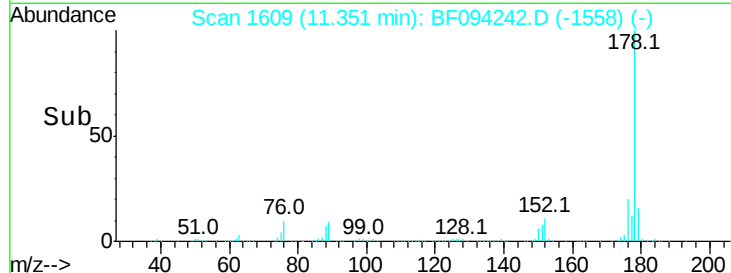
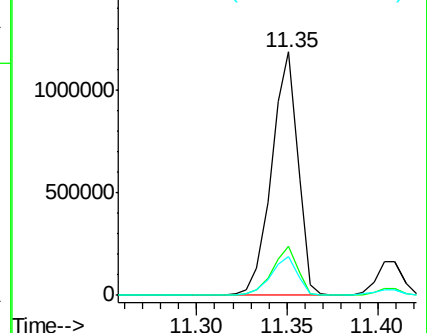
#70
 Phenanthrene
 Concen: 38.80 ng
 RT: 11.35 min Scan# 1609
 Delta R.T. -0.00 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

Instrument :
 BNA_F
 ClientSampleId :
 TS-5

Tot Ion:178 Resp: 1195074
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.2 24.4
 179 15.8 12.6 19.0

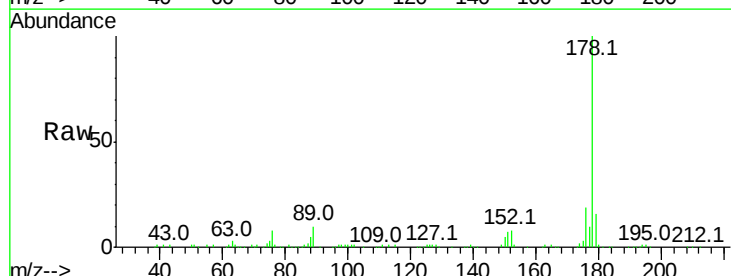


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

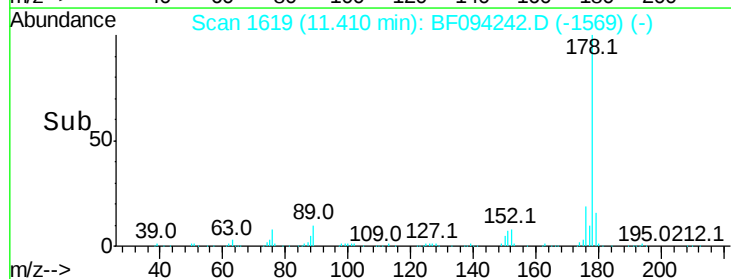
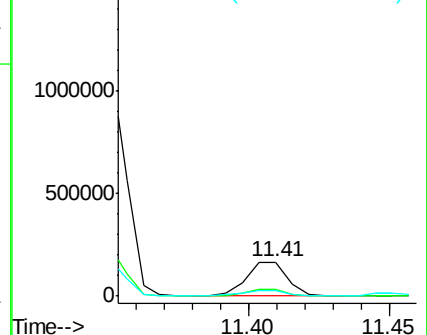


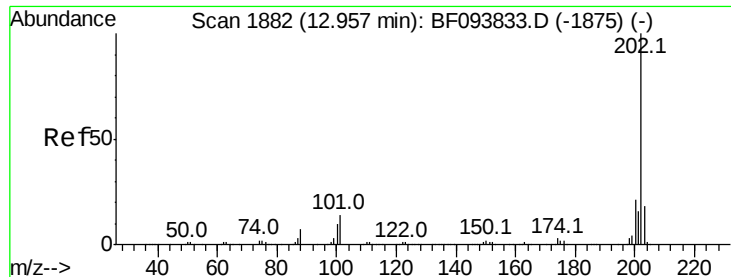
#71
 Anthracene
 Concen: 5.28 ng
 RT: 11.41 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

Tgt Ion:178 Resp: 167586
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 16.3 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

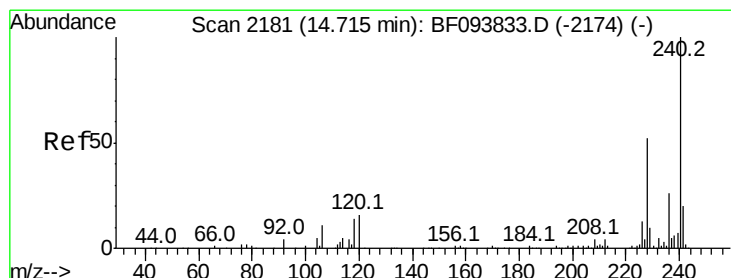
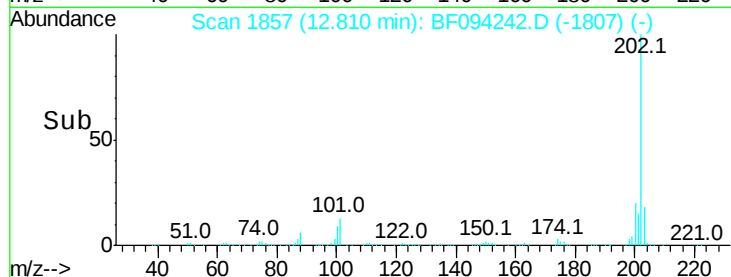
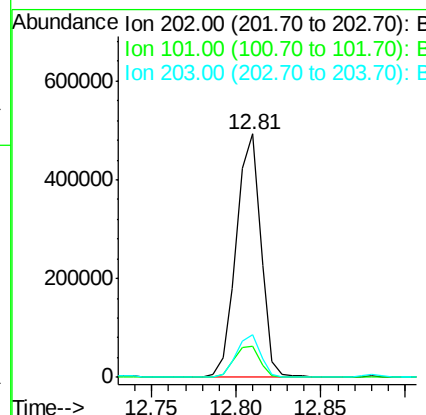
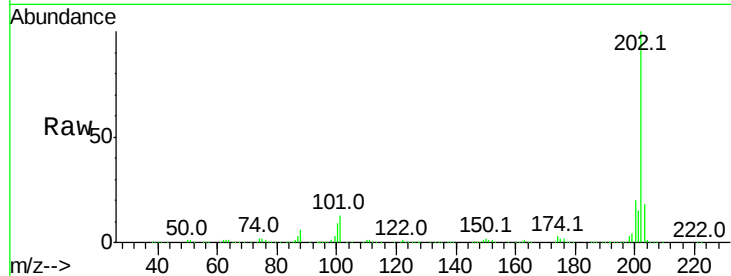




#74
 Fluoranthene
 Concen: 15.81 ng
 RT: 12.81 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

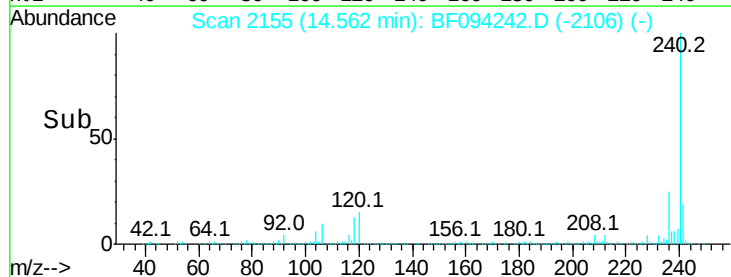
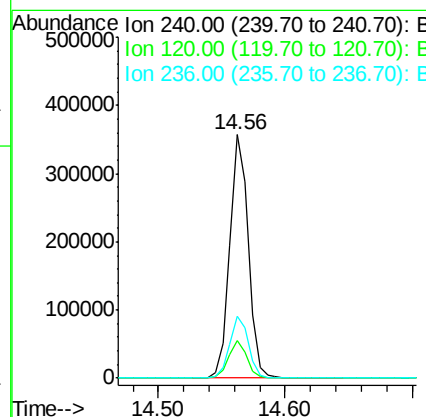
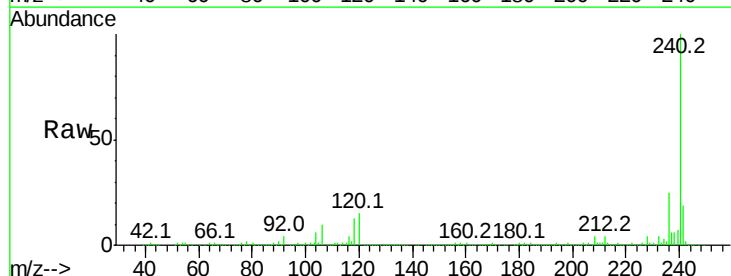
Instrument :
 BNA_F
 ClientSampleId :
 TS-5

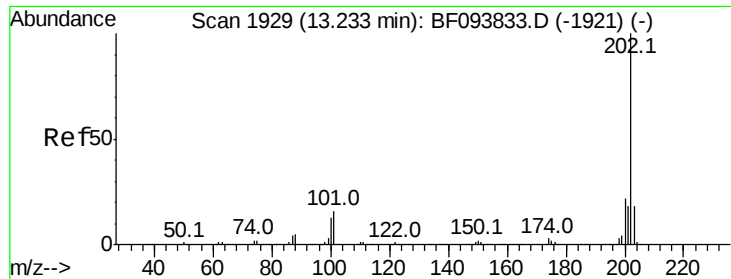
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.6	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.56 min Scan# 2155
 Delta R.T. -0.01 min
 Lab File: BF094242.D
 Acq: 6 Apr 2017 21:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	25.5	20.5	30.7

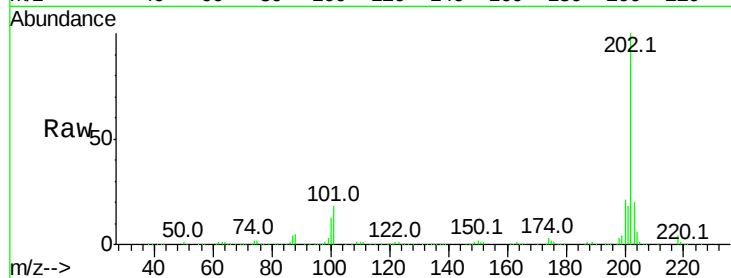




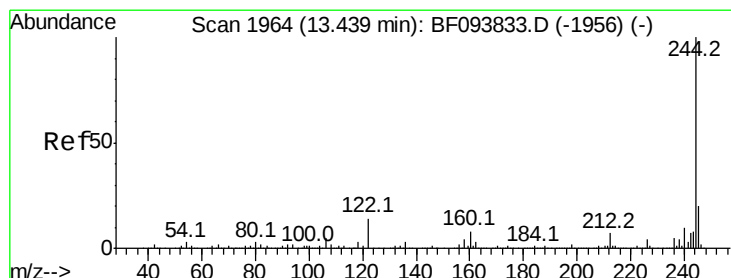
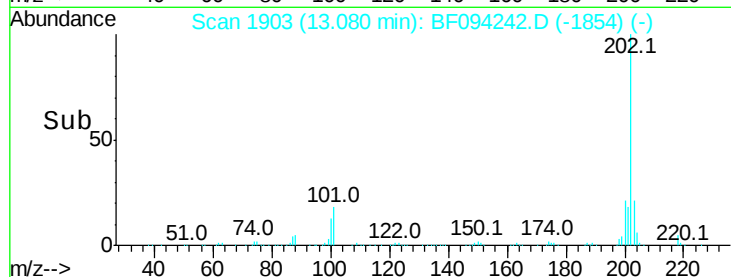
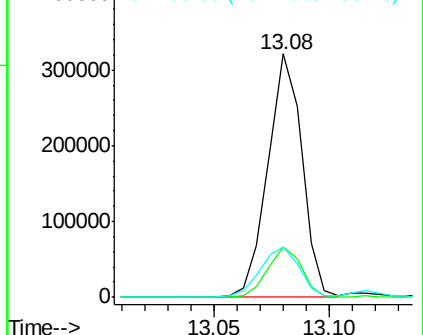
#77
Pvrene
Concen: 12.62 ng
RT: 13.08 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TS-5

Tot Ion:202 Resp: 330158
Ion Ratio Lower Upper
202 100
200 20.6 17.6 26.4
203 20.5 14.4 21.6

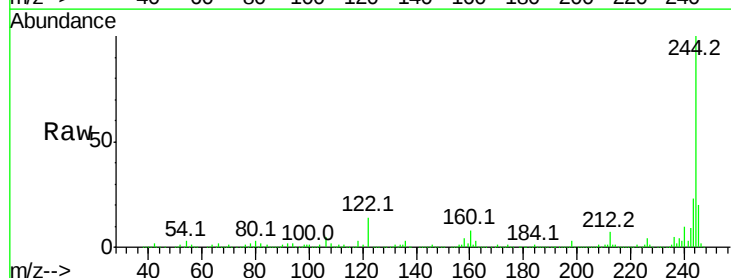


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

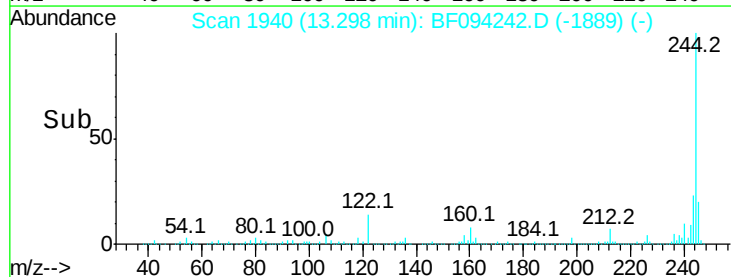
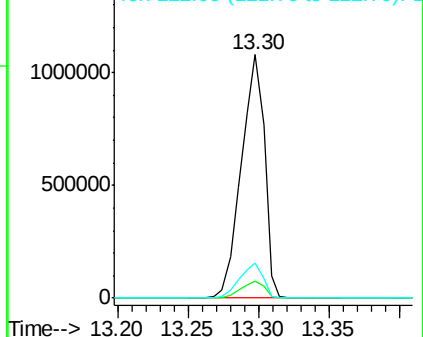


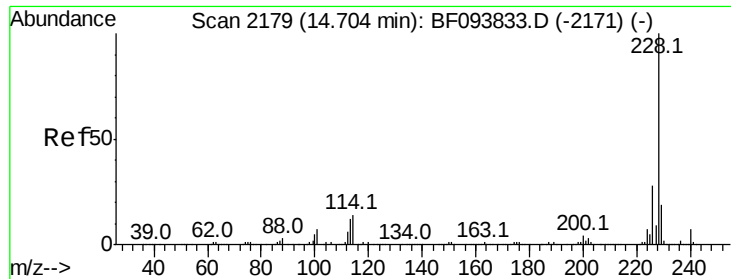
#78
Terphenyl-d14
Concen: 77.04 ng
RT: 13.30 min Scan# 1940
Delta R.T. -0.00 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Tgt Ion:244 Resp: 1239201
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 14.1 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: 2.50 ng

RT: 14.55 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

Instrument :

BNA_F

ClientSampleId :

TS-5

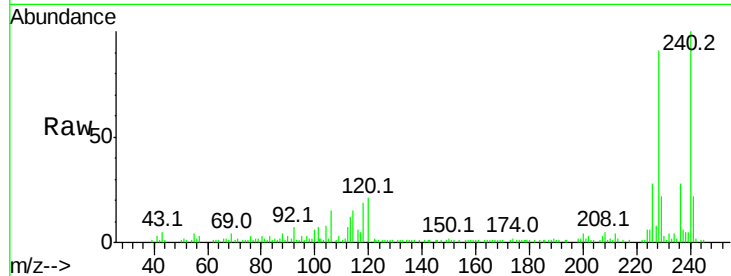
Tot Ion:228 Resp: 52562

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

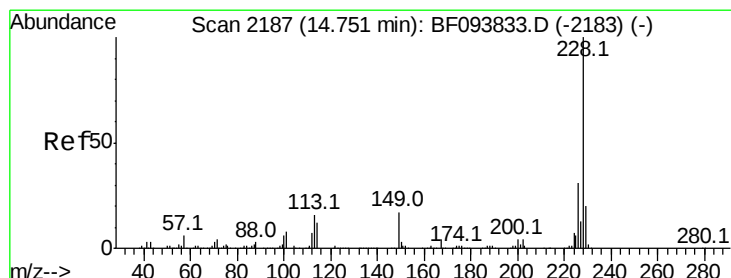
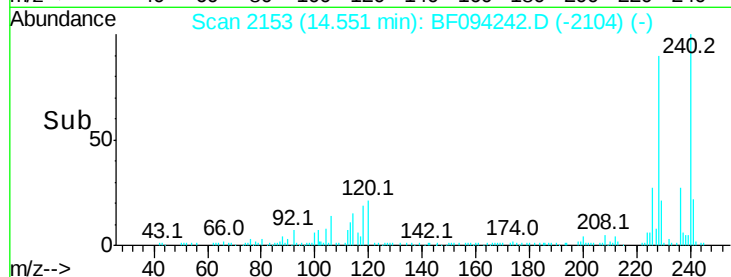
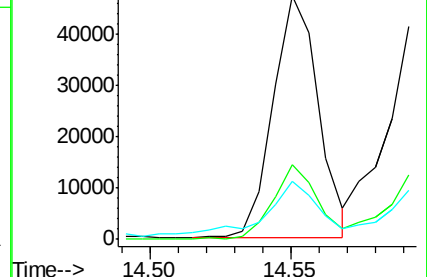
229 23.7 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.60 ng

RT: 14.59 min Scan# 2160

Delta R.T. -0.02 min

Lab File: BF094242.D

Acq: 6 Apr 2017 21:41

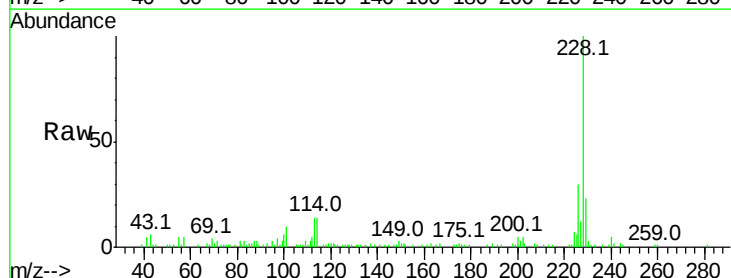
Tgt Ion:228 Resp: 50797

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

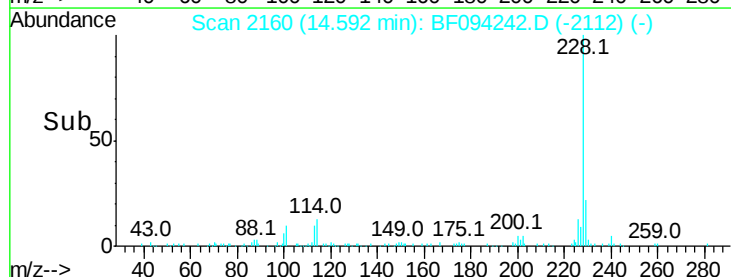
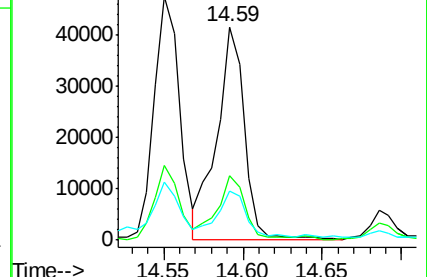
229 23.1 15.8 23.6

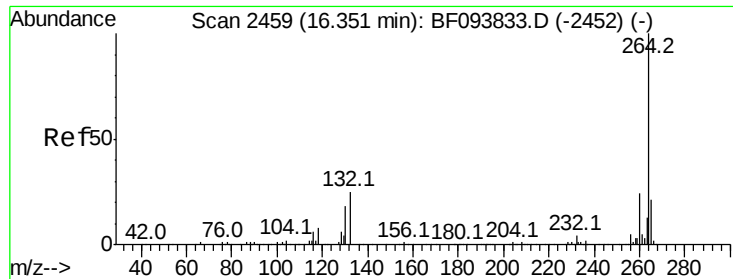


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

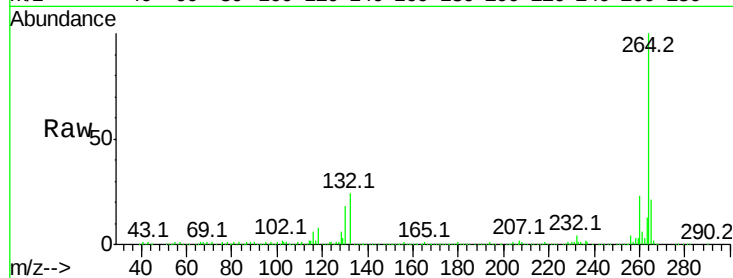




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BF094242.D
Acq: 6 Apr 2017 21:41

Instrument :
BNA_F
ClientSampleId :
TS-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	21.4	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

