

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094362.D
 Acq On : 11 Apr 2017 20:46
 Operator : SJ/MA
 Sample : I2622-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 12 00:51:16 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

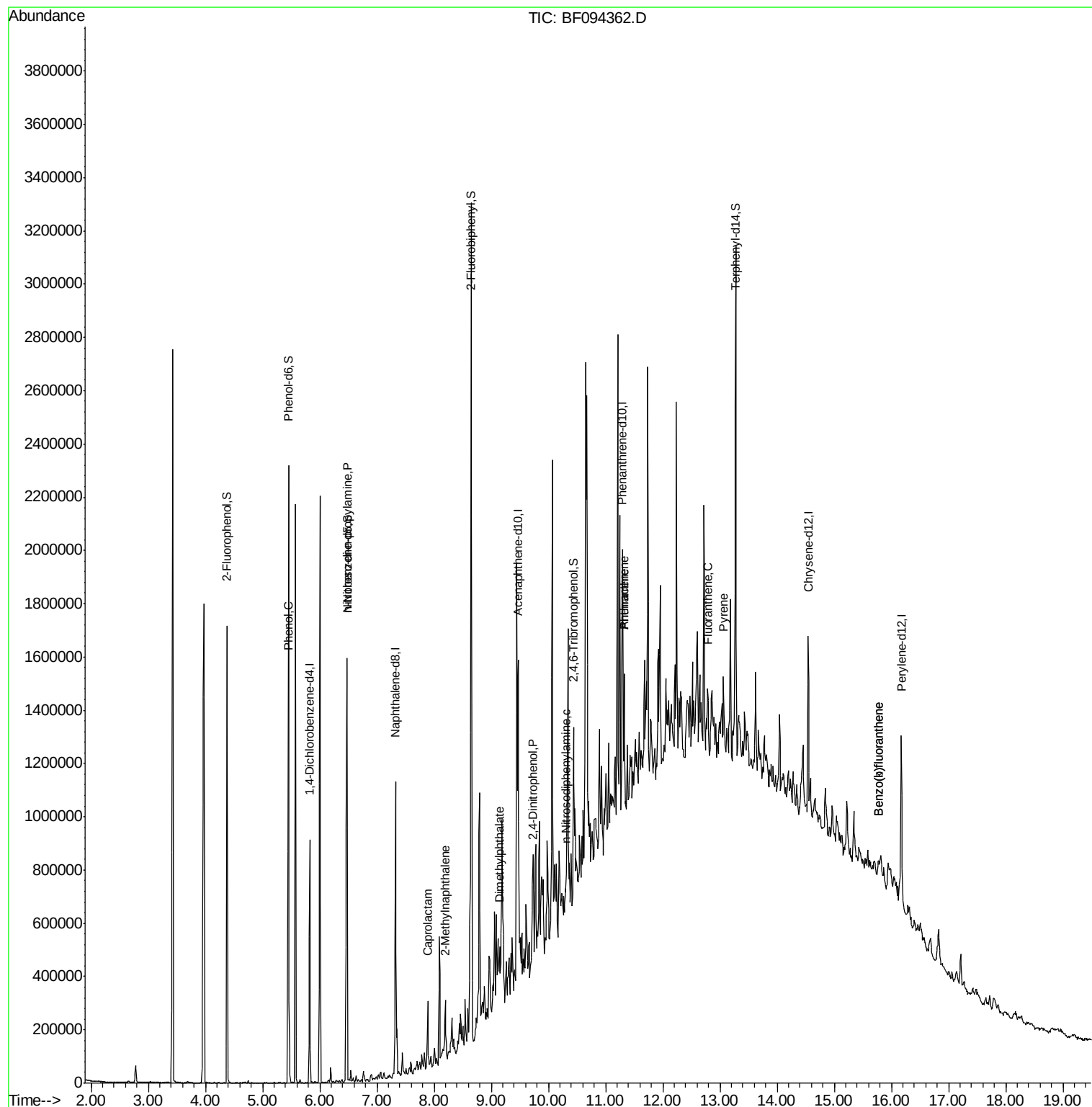
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	143795	20.00	ng	-0.04
21) Naphthalene-d8	7.33	136	578970	20.00	ng	-0.04
38) Acenaphthene-d10	9.47	164	252667	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	412209	20.00	ng	-0.03
75) Chrysene-d12	14.54	240	278116	20.00	ng	-0.03
86) Perylene-d12	16.17	264	245918	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.37	112	488431	57.37	ng	-0.01
7) Phenol-d6	5.45	99	893425	84.83	ng	-0.01
23) Nitrobenzene-d5	6.47	82	637504	62.84	ng	-0.04
41) 2,4,6-Tribromophenol	10.44	330	46526	23.30	ng	-0.04
44) 2-Fluorobiphenyl	8.65	172	1178926	71.17	ng	-0.04
78) Terphenyl-d14	13.27	244	791982	63.83	ng	-0.02
Target Compounds						Qvalue
10) Phenol	5.46	94	49128	4.10	ng	89
19) n-Nitroso-di-n-propylamine	6.47	70	82567	12.20	ng	# 75
35) Caprolactam	7.89	113	5366	2.19	ng	# 24
37) 2-Methylnaphthalene	8.19	142	54971	2.96	ng	99
49) Dimethylphthalate	9.15	163	92027	5.12	ng	# 99
53) 2,4-Dinitrophenol	9.72	184	119	4.71	ng	# 1
65) n-Nitrosodiphenylamine	10.30	169	36865	2.59	ng	# 37
70) Phenanthrene	11.32	178	205872	8.98	ng	98
71) Anthracene	11.32	178	205872	8.72	ng	99
74) Fluoranthene	12.79	202	117666	5.01	ng	98
77) Pyrene	13.06	202	105472	5.23	ng	96
87) Benzo(b)fluoranthene	15.77	252	38450	2.55	ng	# 46
88) Benzo(k)fluoranthene	15.77	252	38450	2.61	ng	# 47

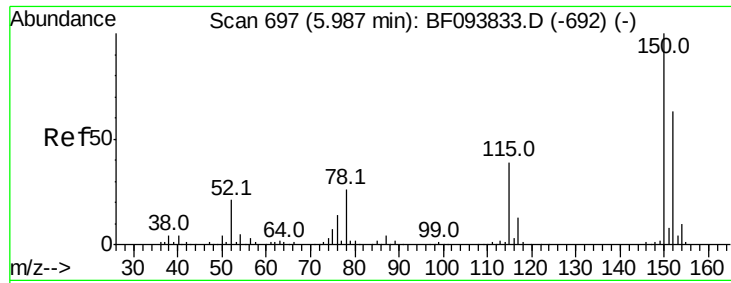
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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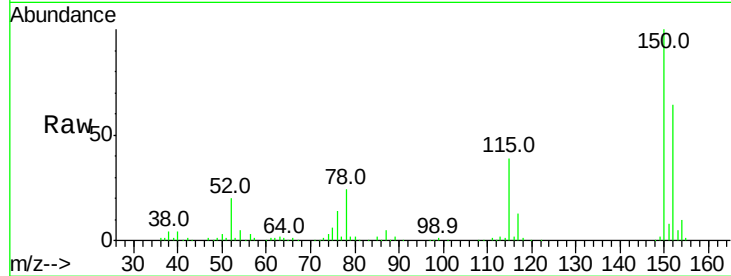


#1

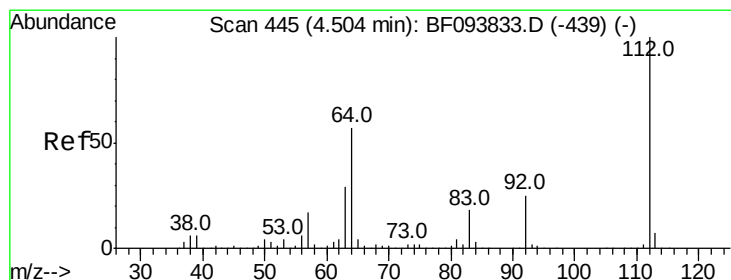
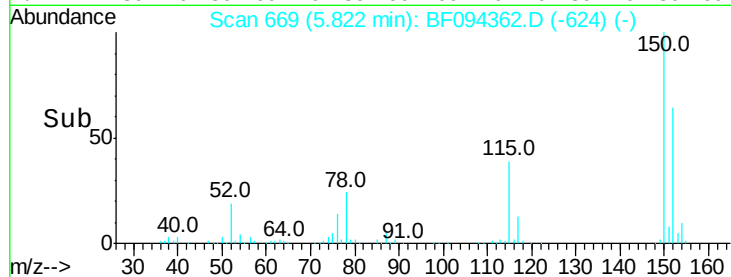
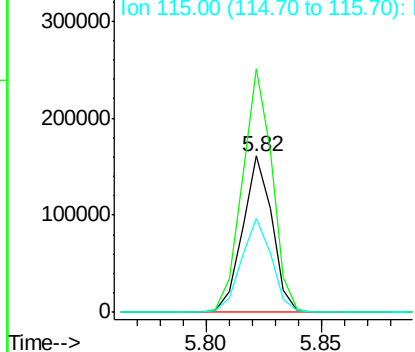
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 669
Delta R.T. -0.04 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143795
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 60.3 52.2 78.2



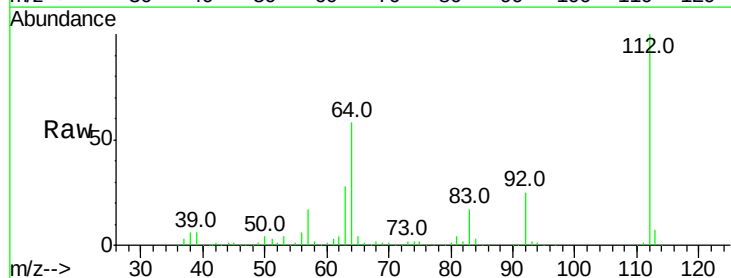
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



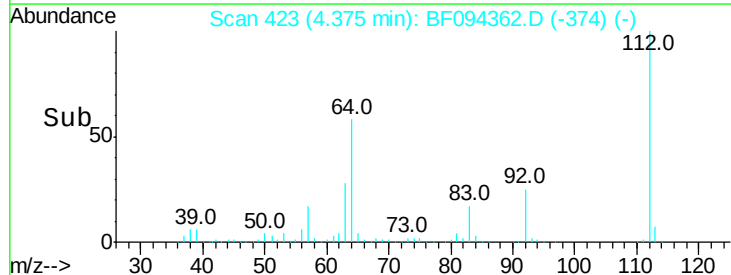
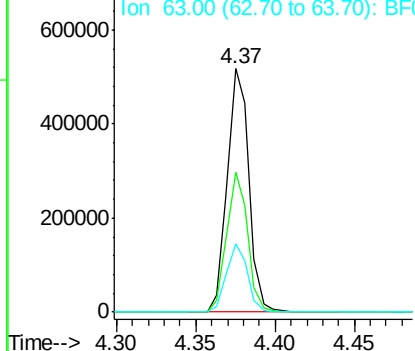
#5

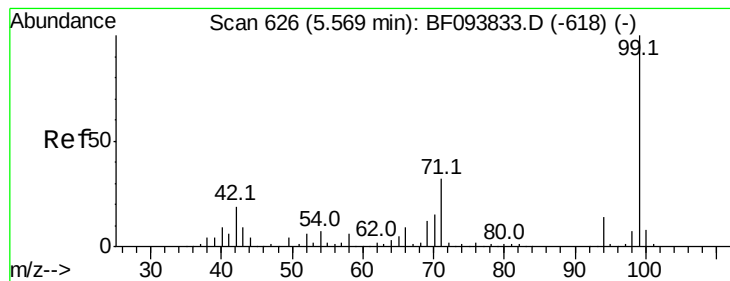
2-Fluorophenol
Concen: 57.37 ng
RT: 4.37 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Tgt Ion:112 Resp: 488431
Ion Ratio Lower Upper
112 100
64 57.6 46.0 69.0
63 28.3 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: 84.83 ng

RT: 5.45 min Scan# 606

Delta R.T. -0.01 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Instrument :

BNA_F

ClientSampled :

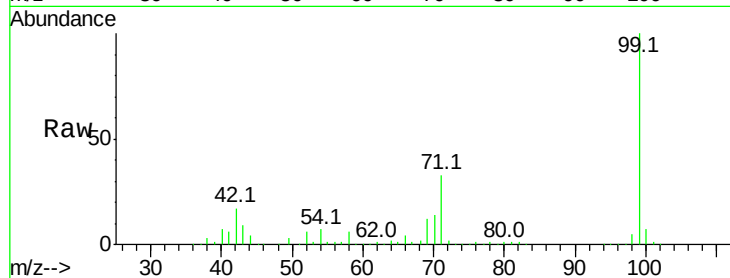
Tot Ion: 99 Resp: 893425

Ion Ratio Lower Upper

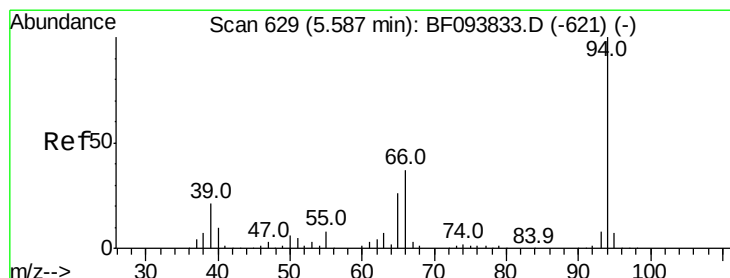
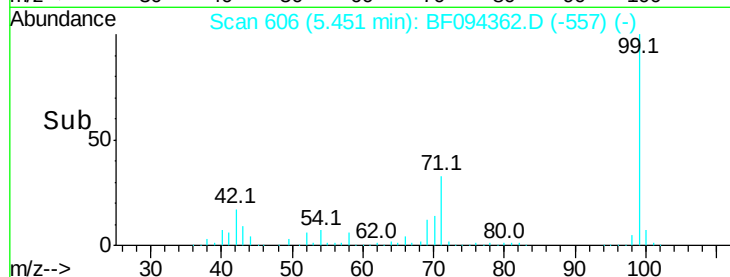
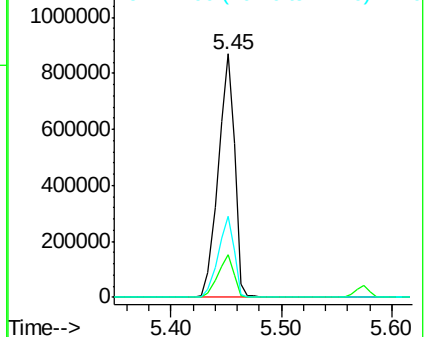
99 100

42 17.5 13.5 20.3

71 33.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.10 ng

RT: 5.46 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

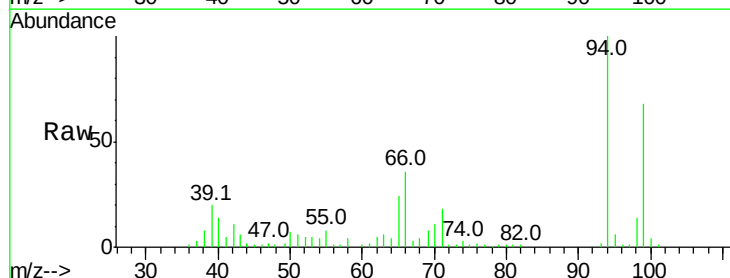
Tgt Ion: 94 Resp: 49128

Ion Ratio Lower Upper

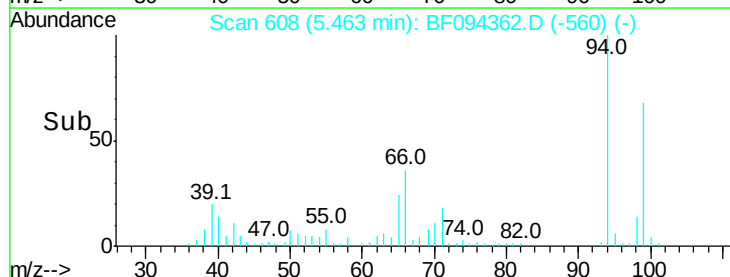
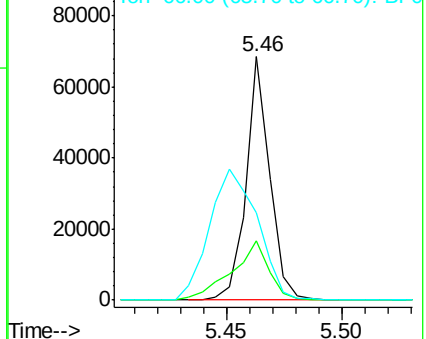
94 100

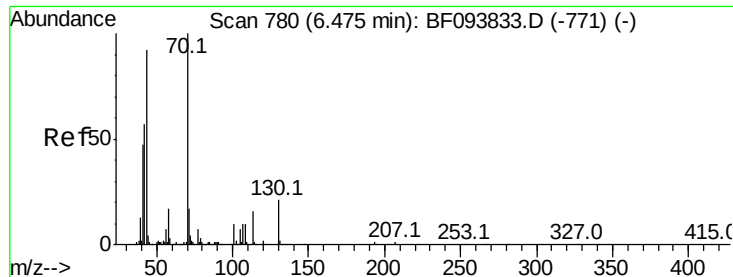
65 24.4 9.9 49.9

66 36.1 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 12.20 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.13 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 82567

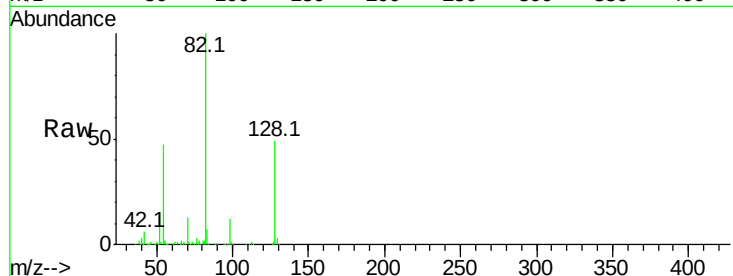
Ion Ratio Lower Upper

70 100

42 43.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

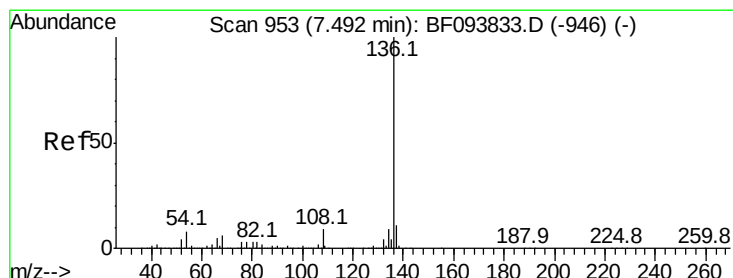
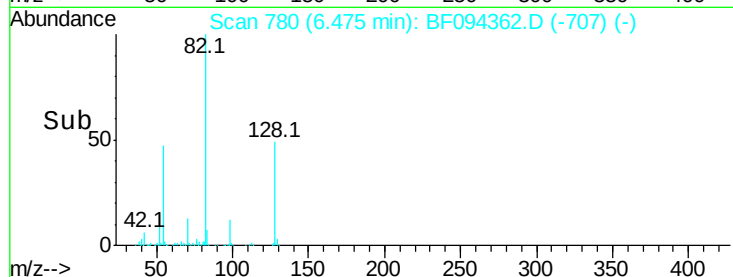
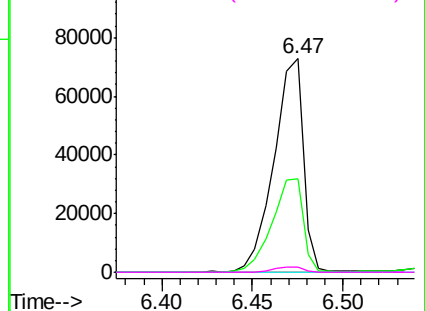


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.33 min Scan# 925

Delta R.T. -0.04 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Tgt Ion: 136 Resp: 578970

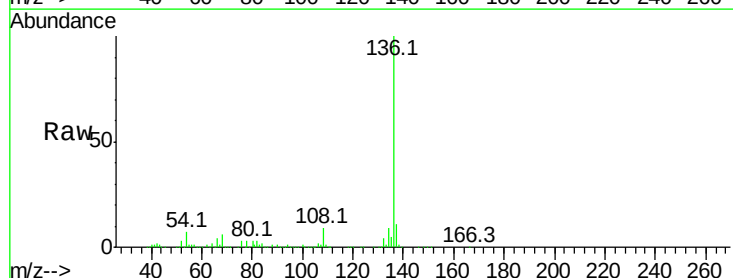
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.1 4.9 7.3

68 5.7 4.1 6.1

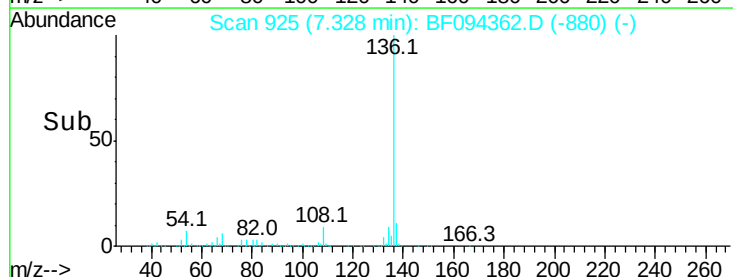
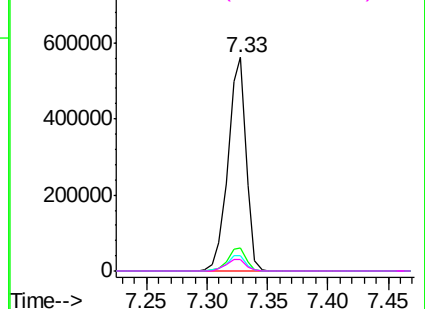


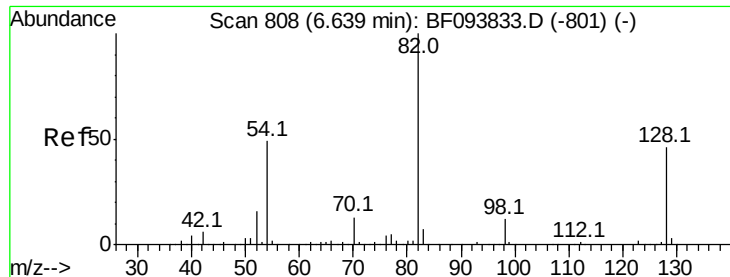
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

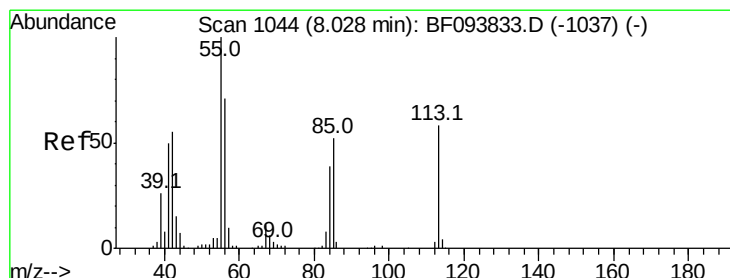
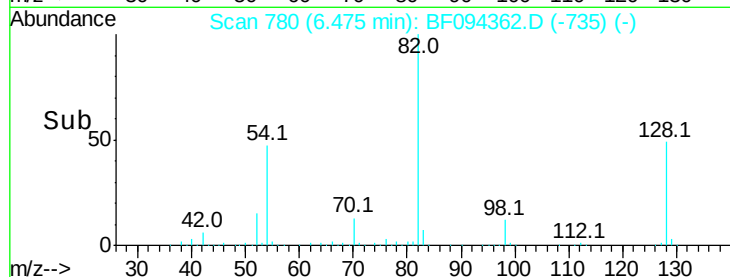
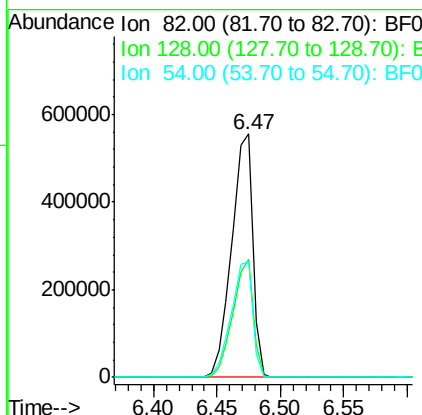
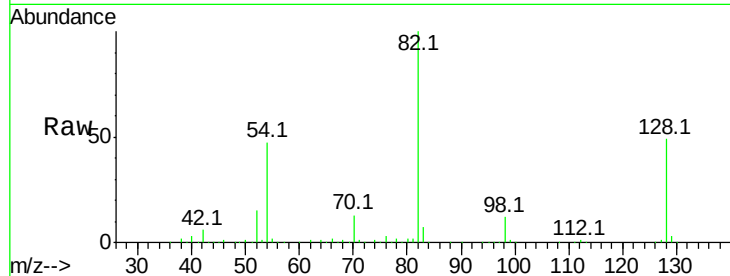




#23
 Nitrobenzene-d5
 Concen: 62.84 ng
 RT: 6.47 min Scan# 780
 Delta R.T. -0.04 min
 Lab File: BF094362.D
 Acq: 11 Apr 2017 20:46

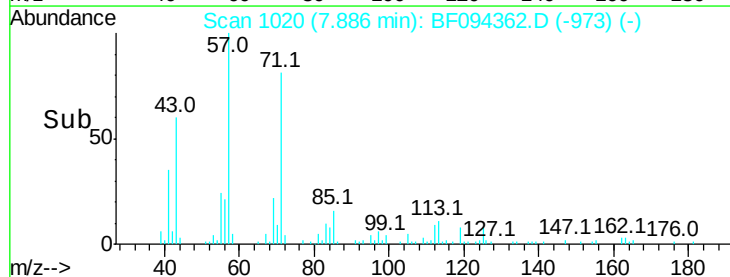
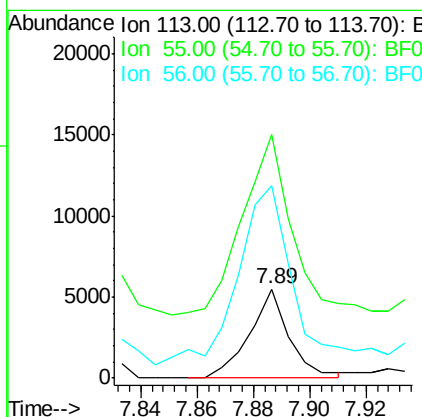
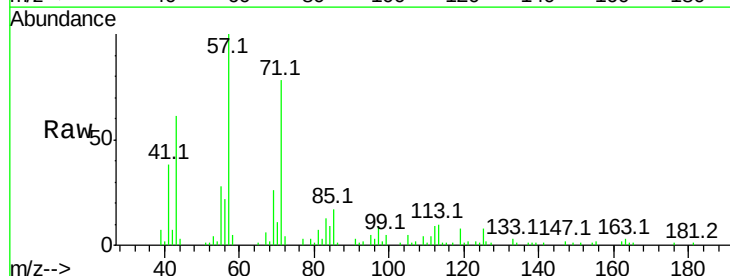
Instrument :
 BNA_F
 ClientSampleId :

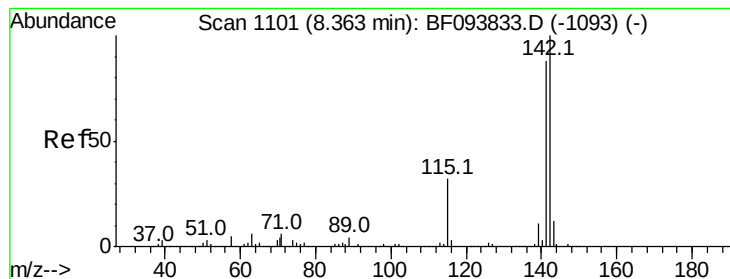
Tot Ion: 82 Resp: 637504
 Ion Ratio Lower Upper
 82 100
 128 48.6 34.0 51.0
 54 47.4 42.2 63.2



#35
 Caprolactam
 Concen: 2.19 ng
 RT: 7.89 min Scan# 1020
 Delta R.T. -0.02 min
 Lab File: BF094362.D
 Acq: 11 Apr 2017 20:46

Tgt Ion: 113 Resp: 5366
 Ion Ratio Lower Upper
 113 100
 55 273.6 150.2 190.2#
 56 216.9 107.8 147.8#





#37

2-Methylnaphthalene

Concen: 2.96 ng

RT: 8.19 min Scan# 1072

Delta R.T. -0.04 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Instrument :

BNA_F

ClientSampleId :

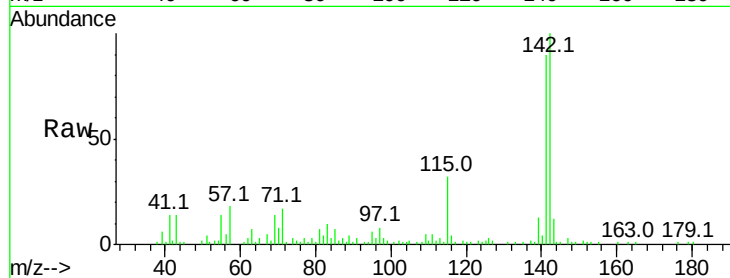
Tot Ion:142 Resp: 54971

Ion Ratio Lower Upper

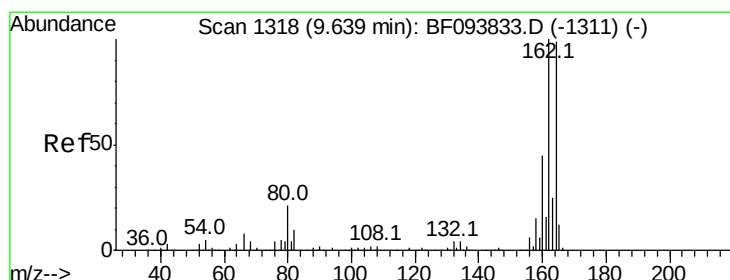
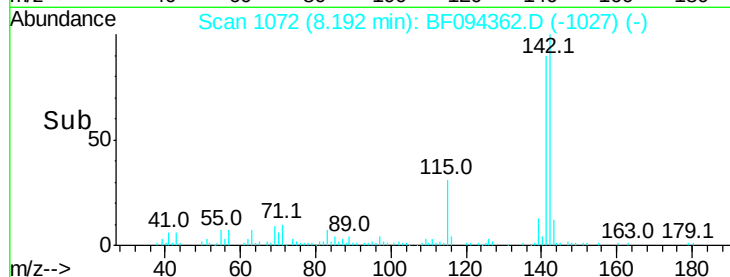
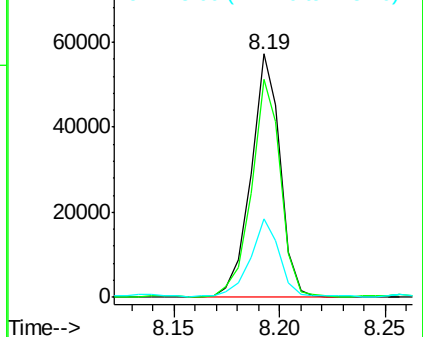
142 100

141 89.7 71.3 106.9

115 32.3 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: 9.47 min Scan# 1289

Delta R.T. -0.03 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

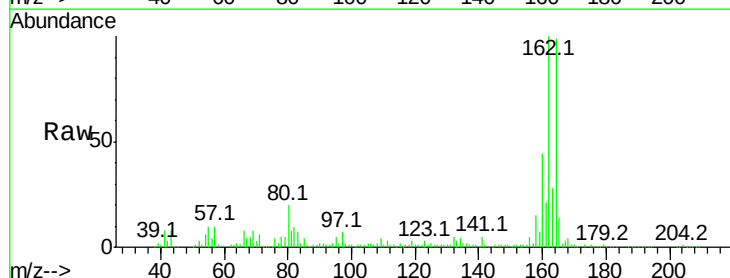
Tgt Ion:164 Resp: 252667

Ion Ratio Lower Upper

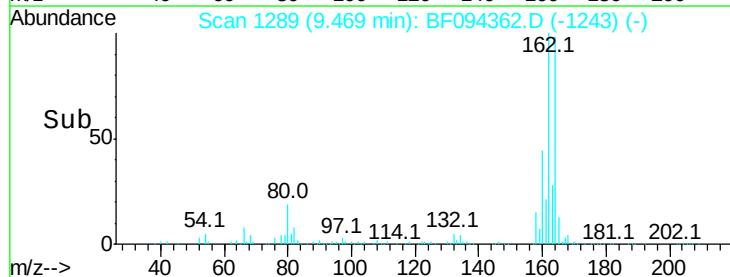
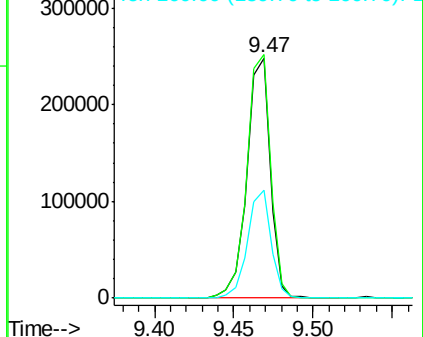
164 100

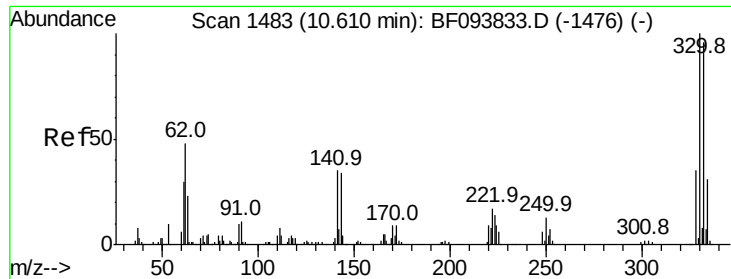
162 101.5 82.6 123.8

160 44.9 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: 23.30 ng

RT: 10.44 min Scan# 1454

Delta R.T. -0.04 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Instrument :

BNA_F

ClientSampleId :

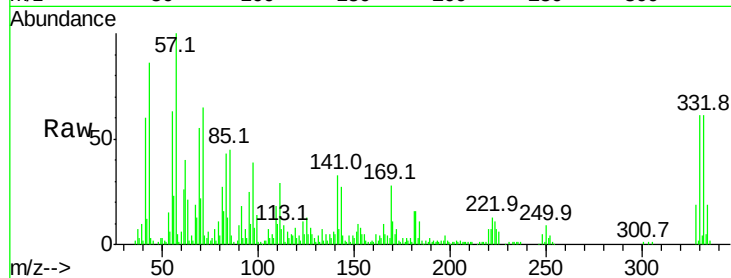
Tot Ion:330 Resp: 46526

Ion Ratio Lower Upper

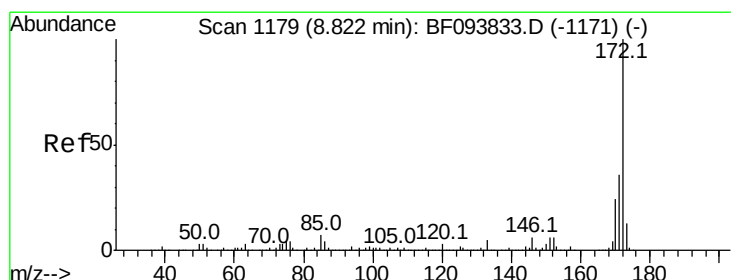
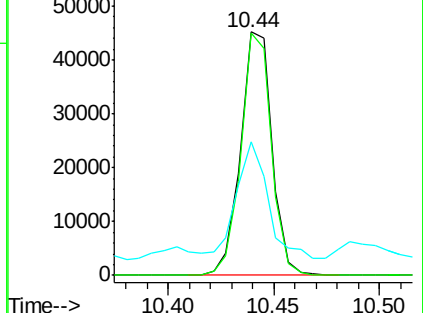
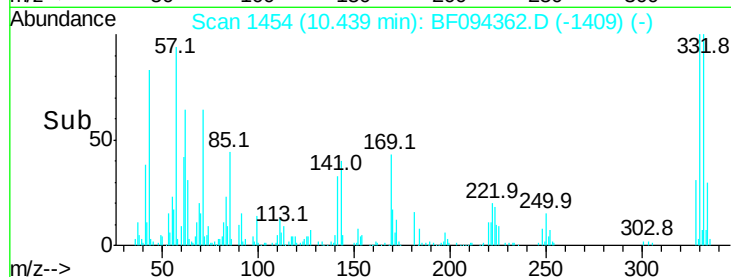
330 100

332 96.1 76.6 115.0

141 47.1 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: 71.17 ng

RT: 8.65 min Scan# 1150

Delta R.T. -0.04 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

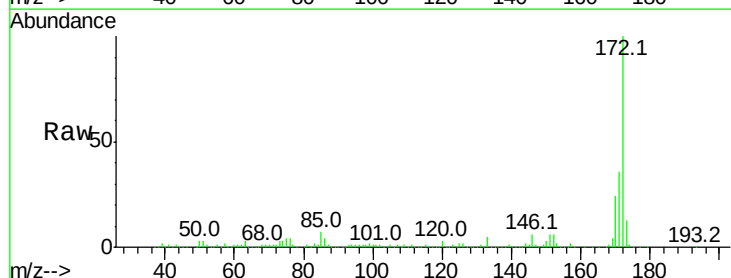
Tgt Ion:172 Resp: 1178926

Ion Ratio Lower Upper

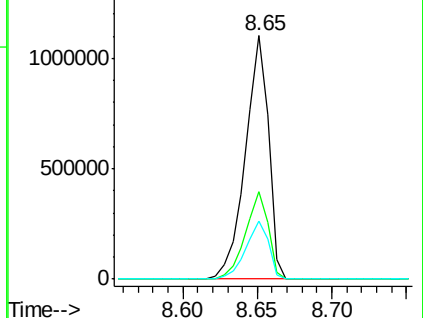
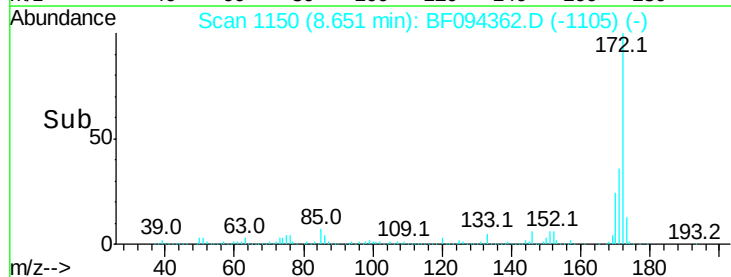
172 100

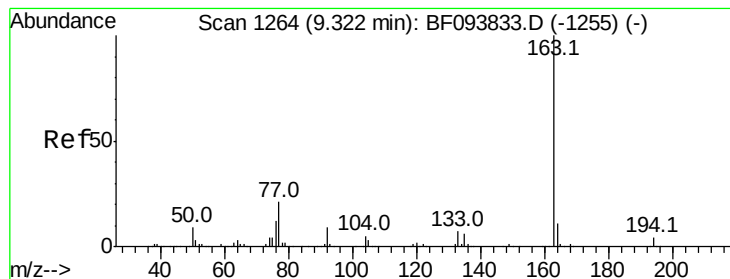
171 35.9 29.6 44.4

170 23.9 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: 5.12 ng

RT: 9.15 min Scan# 1234

Delta R.T. -0.05 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Instrument :

BNA_F

ClientSampleId :

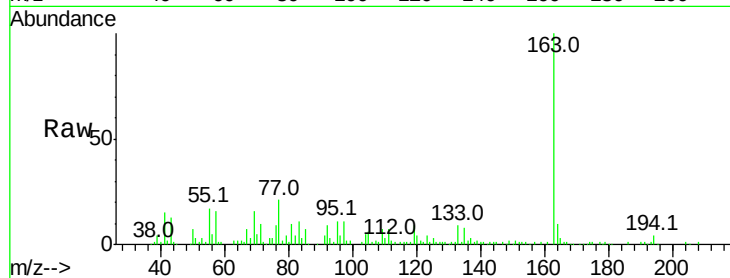
Tot Ion:163 Resp: 92027

Ion Ratio Lower Upper

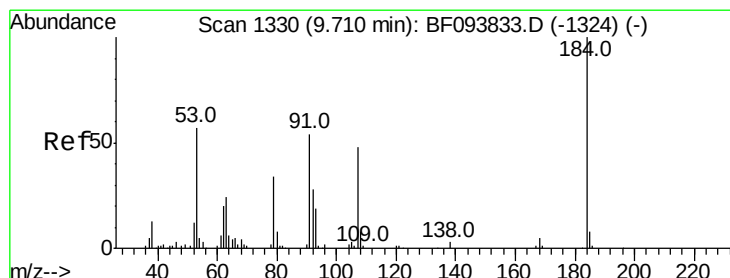
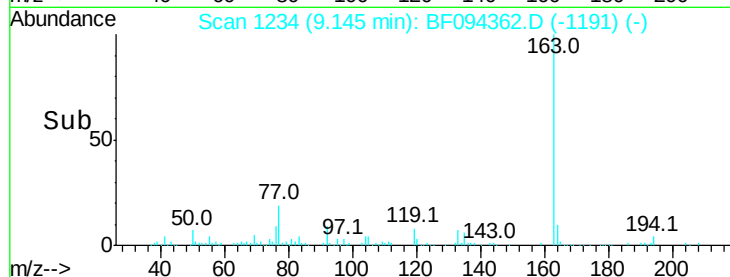
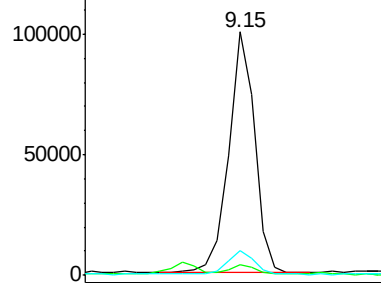
163 100

194 4.2 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



#53

2,4-Dinitrophenol

Concen: 4.71 ng

RT: 9.72 min Scan# 1331

Delta R.T. 0.12 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

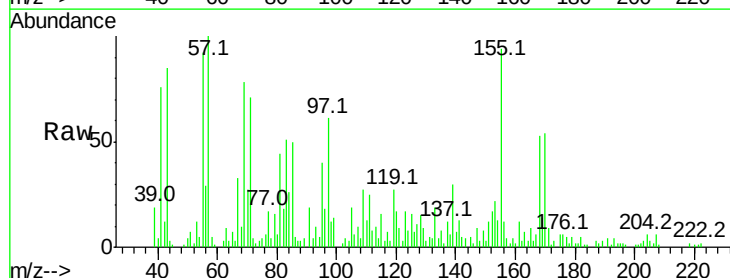
Tgt Ion:184 Resp: 119

Ion Ratio Lower Upper

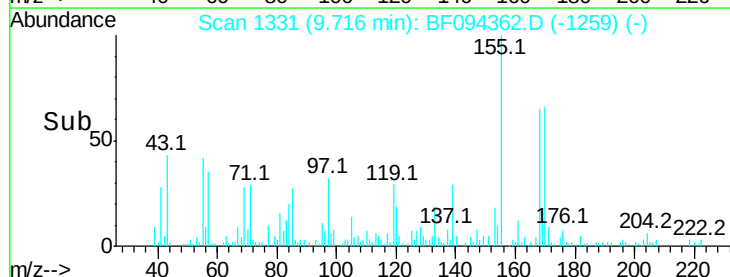
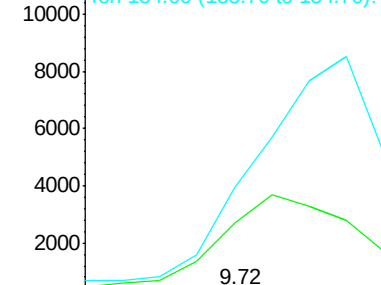
184 100

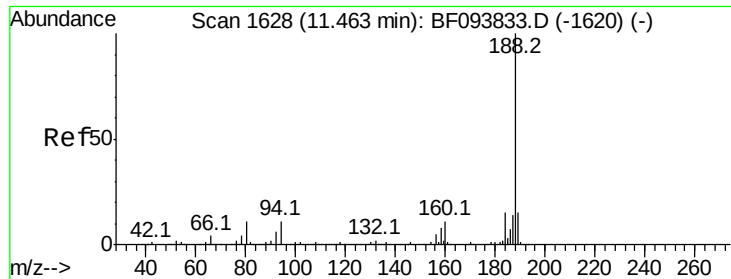
63 799.7 62.7 94.1#

154 1170.9 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

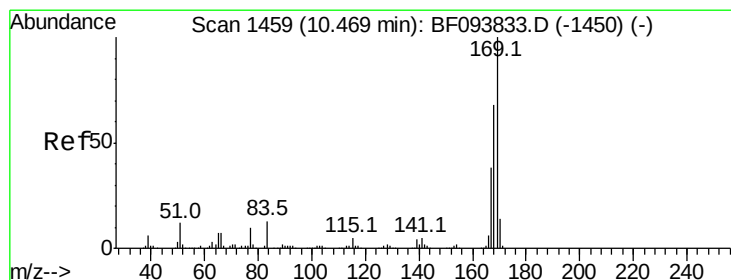
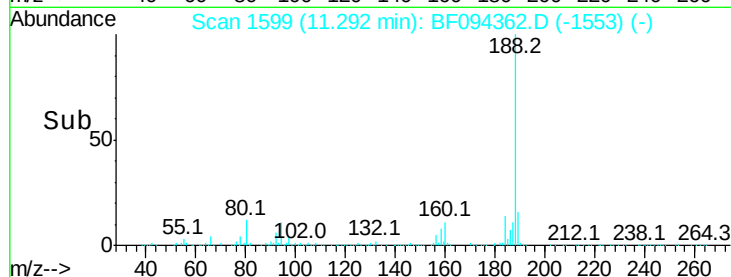
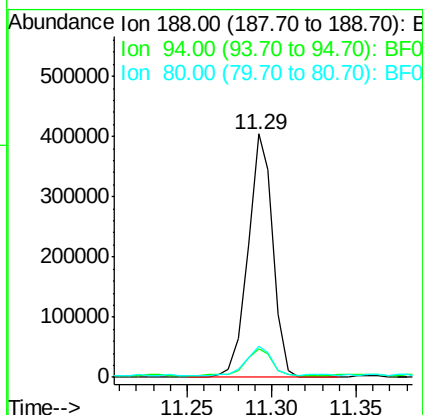
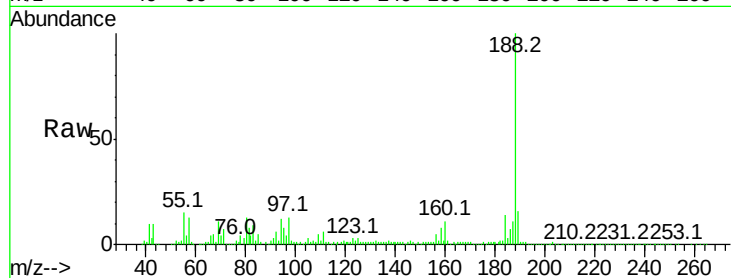




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1599
Delta R.T. -0.03 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

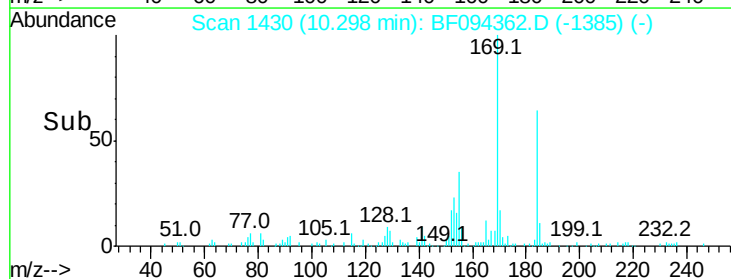
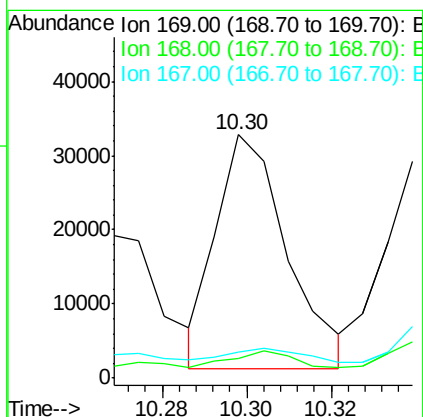
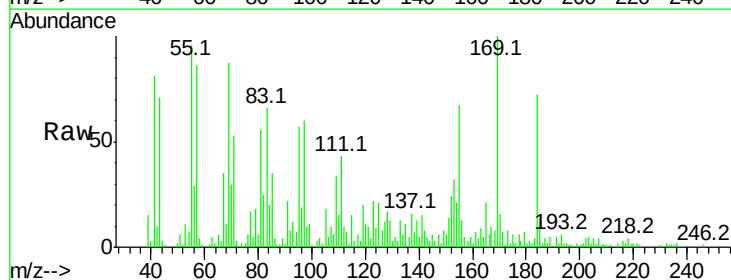
Instrument :
BNA_F
ClientSampleId :

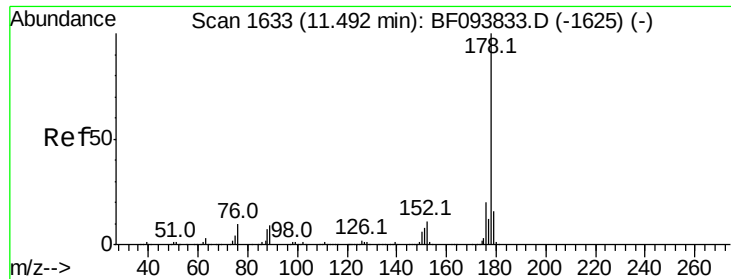
Tot Ion:188 Resp: 412209
Ion Ratio Lower Upper
188 100
94 11.7 9.4 14.2
80 12.7 10.2 15.2



#65
n-Nitrosodiphenylamine
Concen: 2.59 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.04 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Tgt Ion:169 Resp: 36865
Ion Ratio Lower Upper
169 100
168 8.2 53.2 79.8#
167 10.4 29.5 44.3#

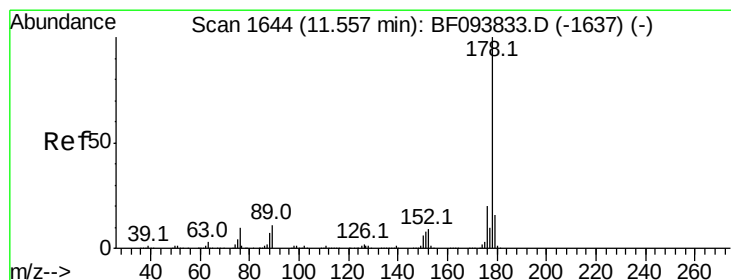
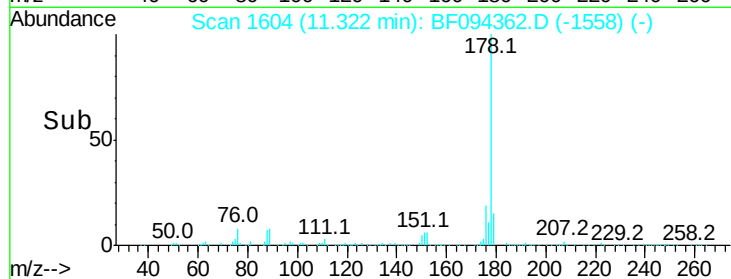
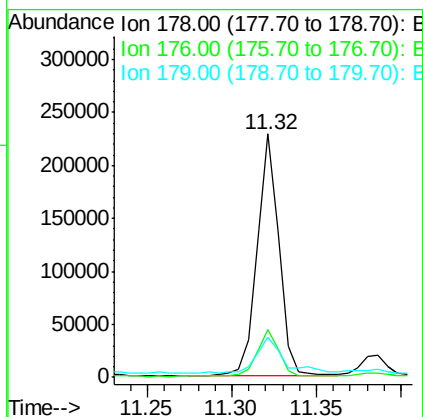
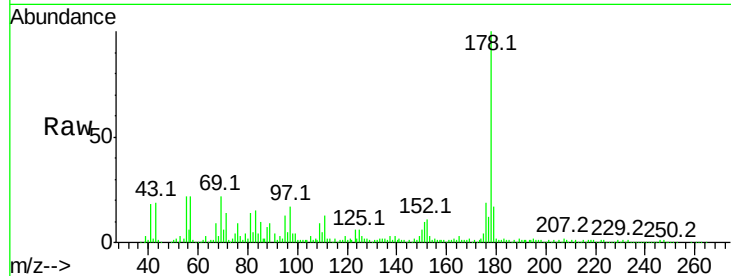




#70
Phenanthrene
Concen: 8.98 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.03 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

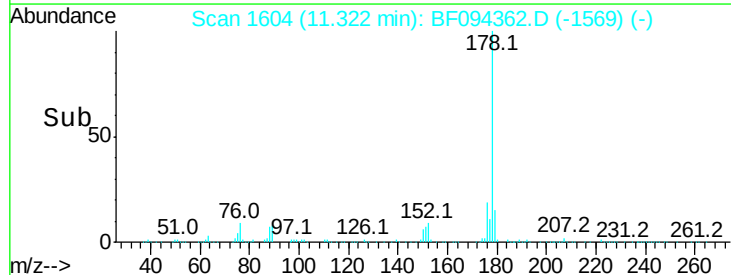
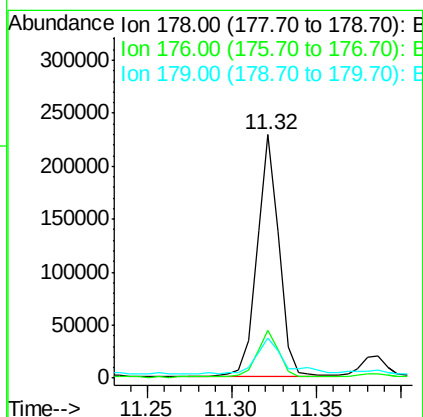
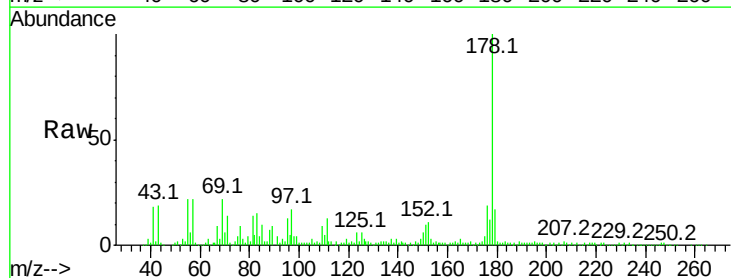
Instrument :
BNA_F
ClientSampleId :

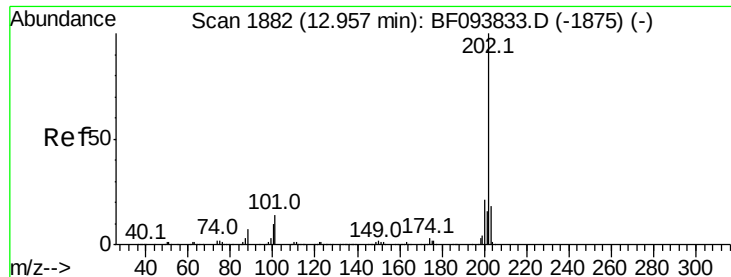
Tot Ion:178 Resp: 205872
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.4
179 16.6 12.6 19.0



#71
Anthracene
Concen: 8.72 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.09 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Tgt Ion:178 Resp: 205872
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 16.6 12.7 19.1

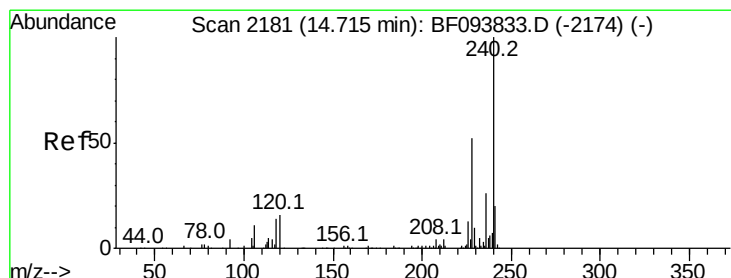
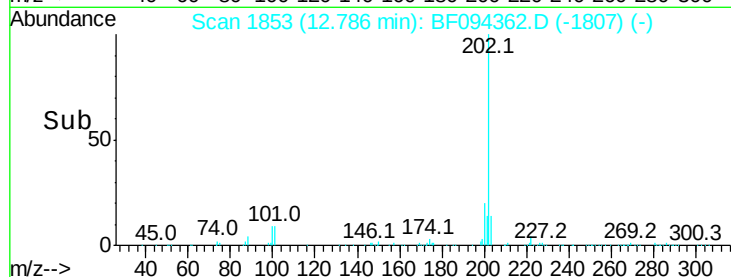
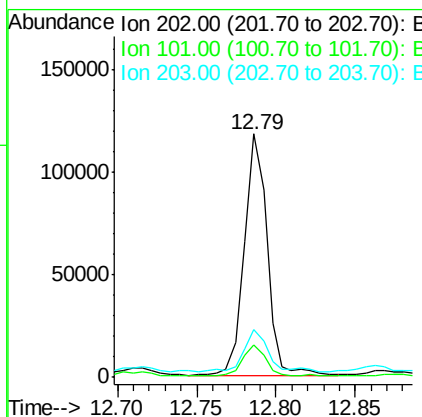
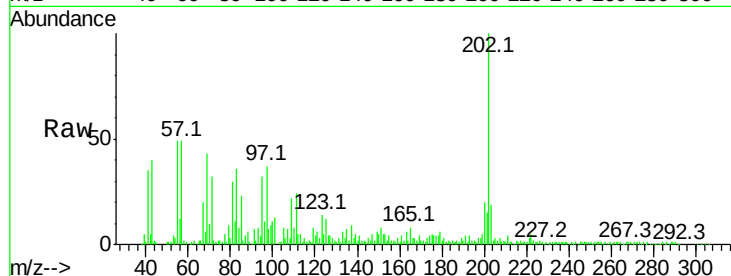




#74
Fluoranthene
Concen: 5.01 ng
RT: 12.79 min Scan# 1853
Delta R.T. -0.03 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

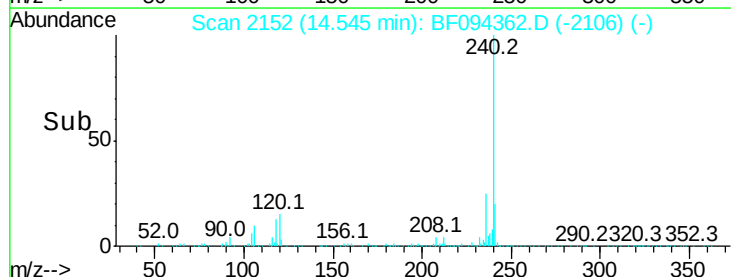
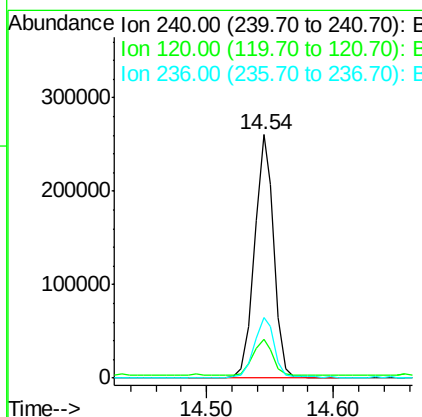
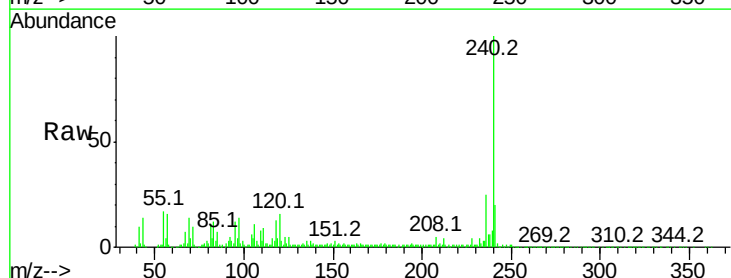
Instrument :
BNA_F
ClientSampleId :

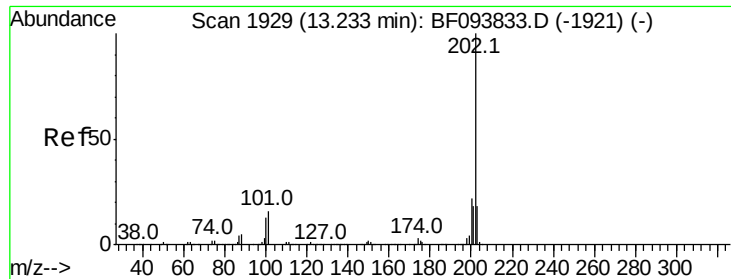
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	19.4	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.54 min Scan# 2152
Delta R.T. -0.03 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.9	5.8	8.8#
236	25.1	20.5	30.7





#77

Pvrene

Concen: 5.23 ng

RT: 13.06 min Scan# 1900

Delta R.T. -0.03 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Instrument :

BNA_F

ClientSampled :

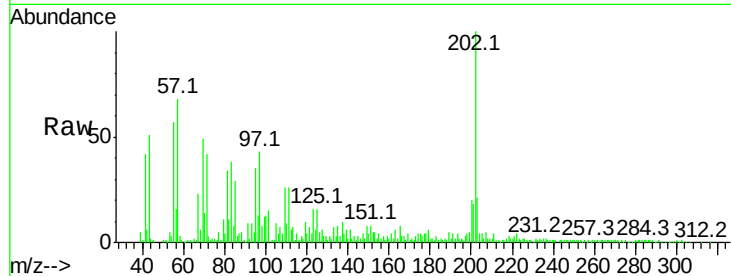
Tot Ion:202 Resp: 105472

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

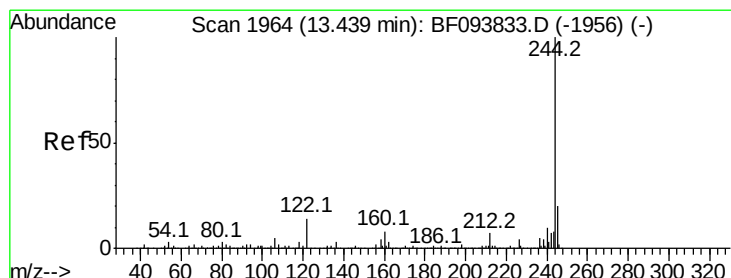
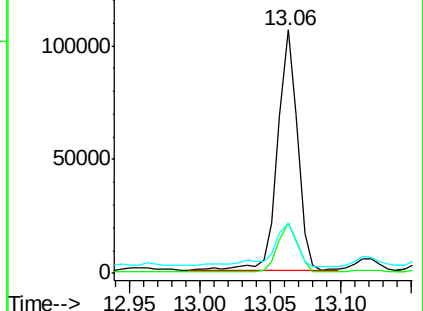
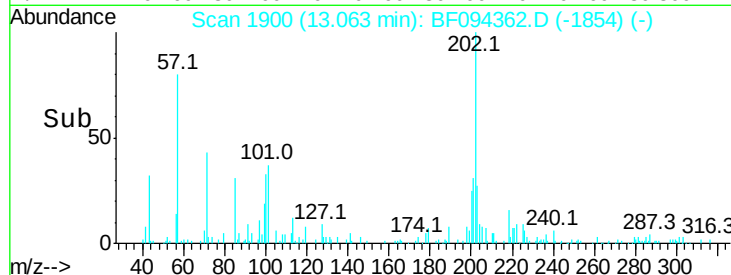
203 20.6 14.4 21.6



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: 63.83 ng

RT: 13.27 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

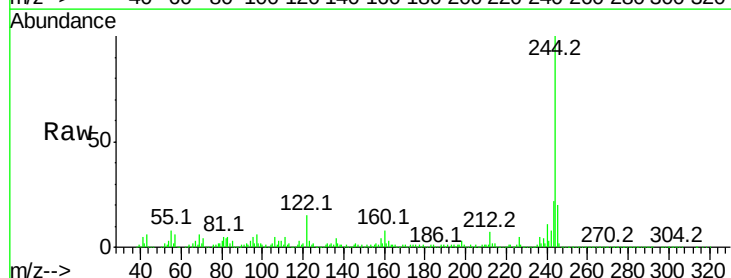
Tgt Ion:244 Resp: 791982

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

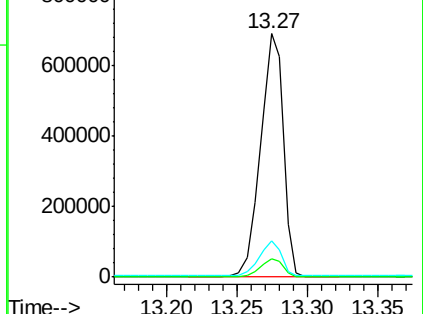
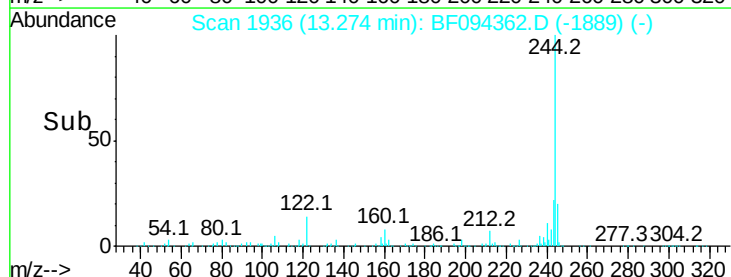
122 14.7 10.3 15.5

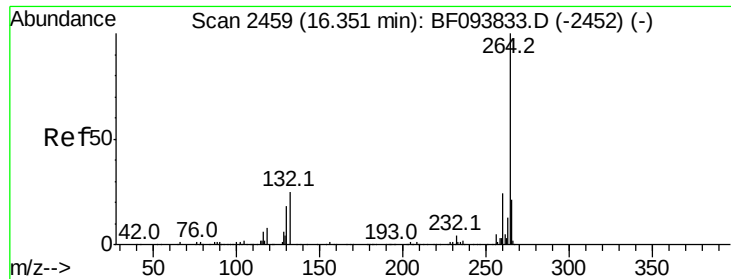


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

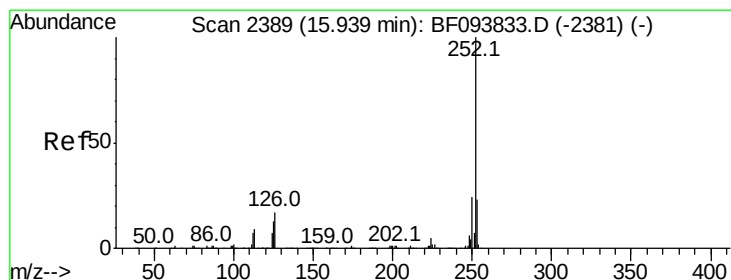
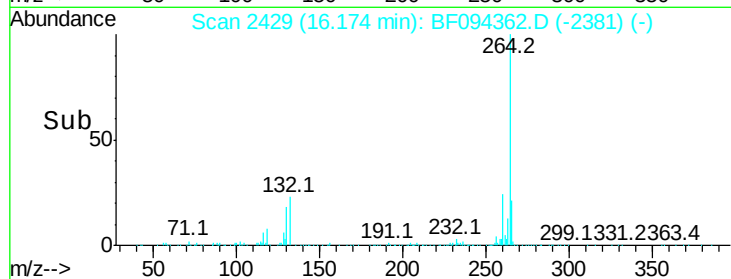
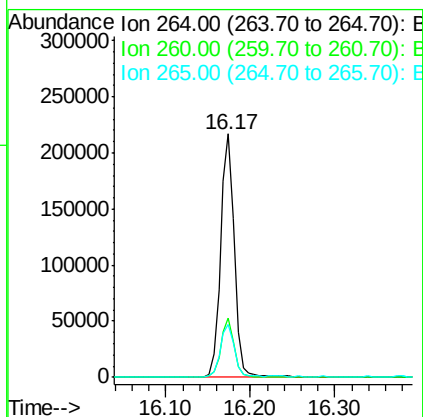
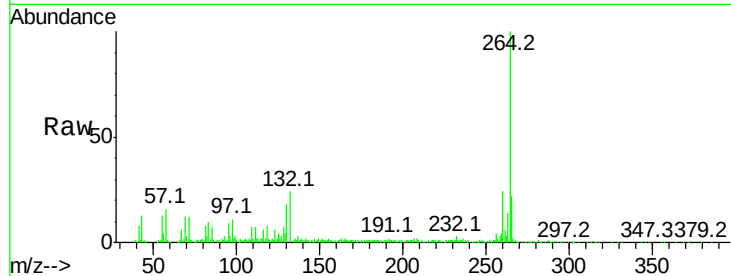




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.17 min Scan# 2429
Delta R.T. -0.02 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

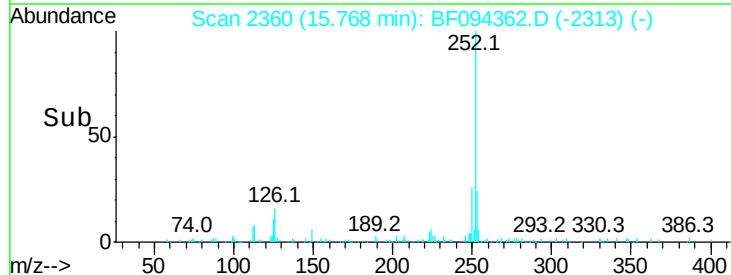
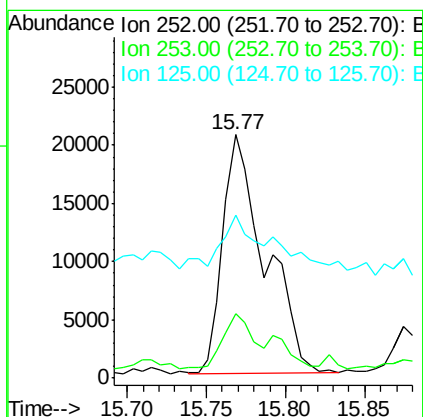
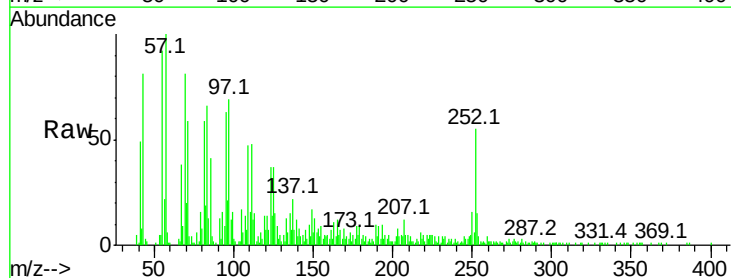
Instrument :
BNA_F
ClientSampleId :

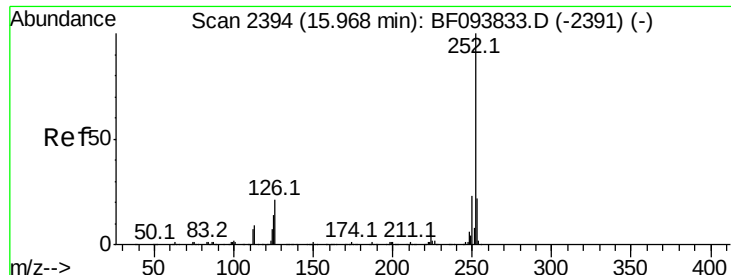
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.7	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.55 ng
RT: 15.77 min Scan# 2360
Delta R.T. -0.02 min
Lab File: BF094362.D
Acq: 11 Apr 2017 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.1	27.1
125	66.8	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.61 ng

RT: 15.77 min Scan# 2360

Delta R.T. -0.06 min

Lab File: BF094362.D

Acq: 11 Apr 2017 20:46

Instrument :

BNA_F

ClientSampleId :

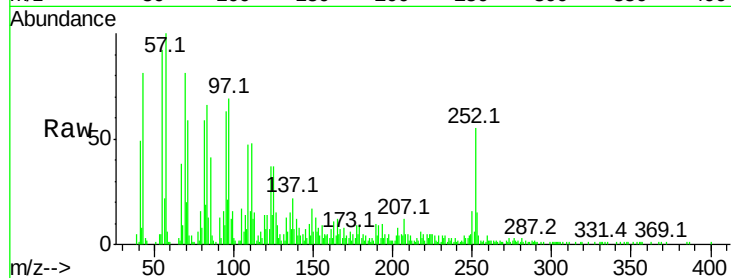
Tot Ion:252 Resp: 38450

Ion Ratio Lower Upper

252 100

253 26.6 18.4 27.6

125 66.8 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

