

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099053.D
 Acq On : 4 Oct 2017 1:53
 Operator : SJ/JU
 Sample : I5610-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 04 03:44:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	113939	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	418860	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	146004	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	217200	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	228415	20.00	ng	-0.05
86) Perylene-d12	15.51	264	229780	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	969836	135.50	ng	-0.04
7) Phenol-d6	6.50	99	1120409	126.89	ng	-0.04
23) Nitrobenzene-d5	7.44	82	645994	98.91	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	133753	111.95	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	812098	92.86	ng	-0.05
78) Terphenyl-d14	12.98	244	568126	56.57	ng	-0.05

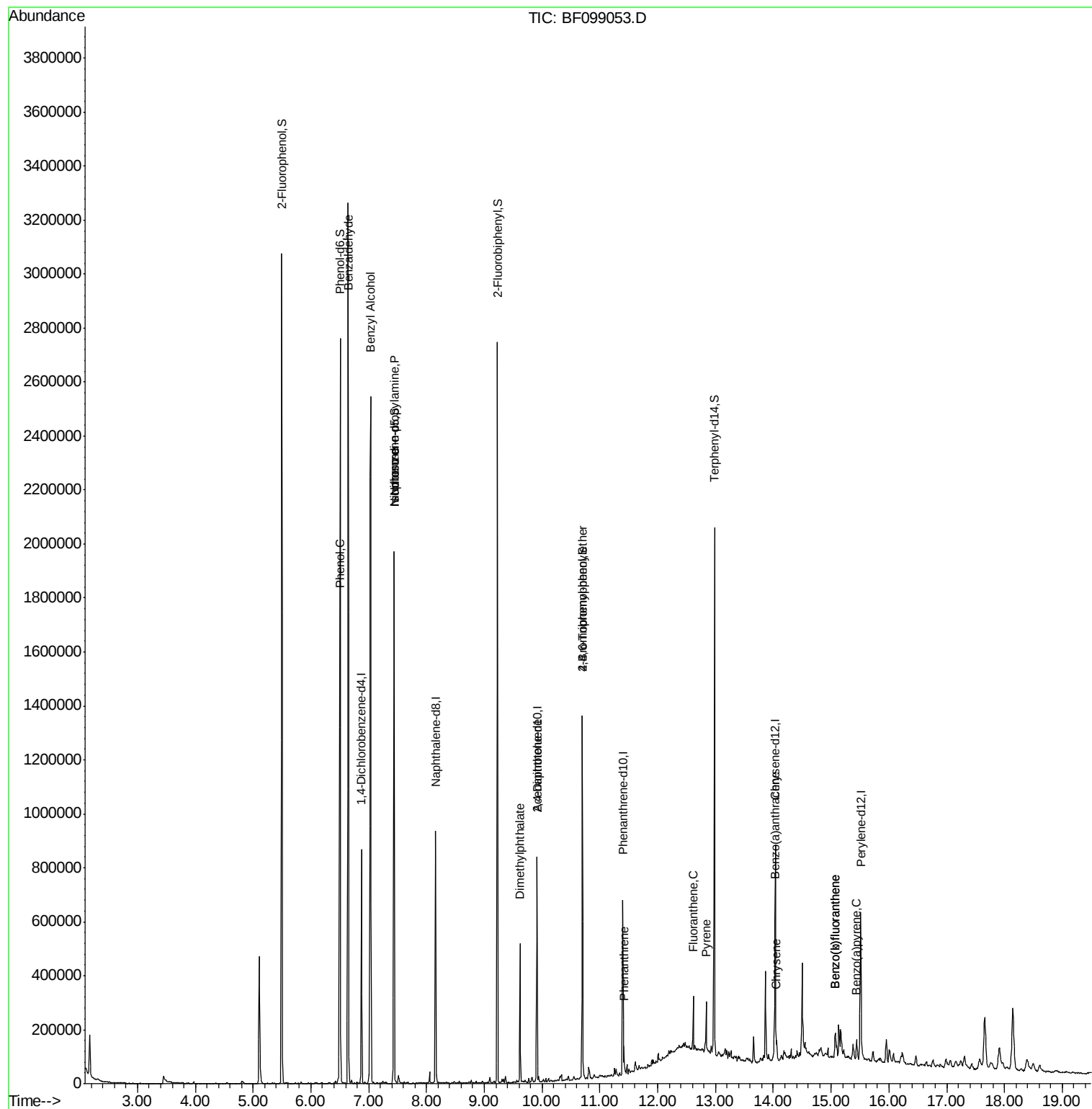
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.65	77	19074	3.72	ng	83
10) Phenol	6.52	94	27662	2.80	ng	94
15) Benzyl Alcohol	7.03	79	14146	2.18	ng	# 61
19) n-Nitroso-di-n-propylamine	7.44	70	85413	15.15	ng	# 75
25) Isophorone	7.44	82	639377	47.35	ng	# 64
49) Dimethylphthalate	9.62	163	194397	17.64	ng	98
56) 2,4-Dinitrotoluene	9.91	165	19216	6.17	ng	# 23
66) 4-Bromophenyl-phenylether	10.70	248	9122	4.29	ng	# 1
70) Phenanthrene	11.42	178	37412	3.22	ng	97
74) Fluoranthene	12.62	202	70004	5.95	ng	95
77) Pyrene	12.84	202	65968	3.79	ng	98
80) Benzo(a)anthracene	14.02	228	36715	2.65	ng	98
82) Chrysene	14.06	228	33626	2.55	ng	98
87) Benzo(b)fluoranthene	15.07	252	57749	4.09	ng	# 93
88) Benzo(k)fluoranthene	15.07	252	57749	4.14	ng	# 96
89) Benzo(a)pyrene	15.44	252	33151	2.56	ng	# 93

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

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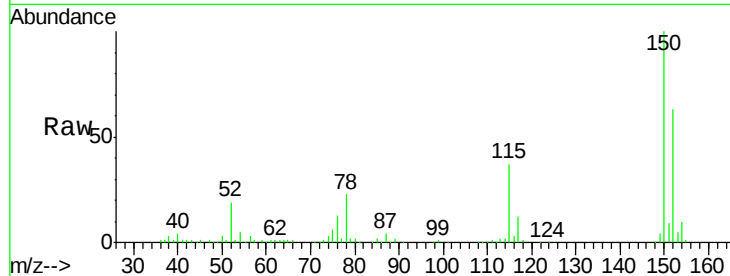


#1

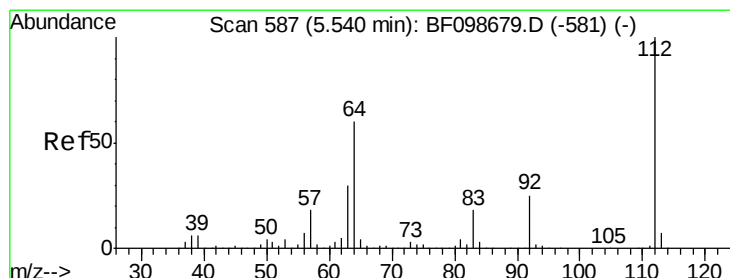
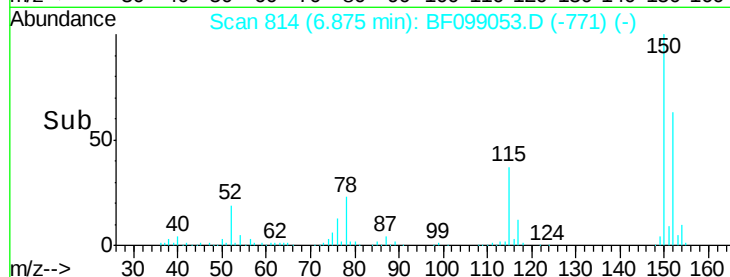
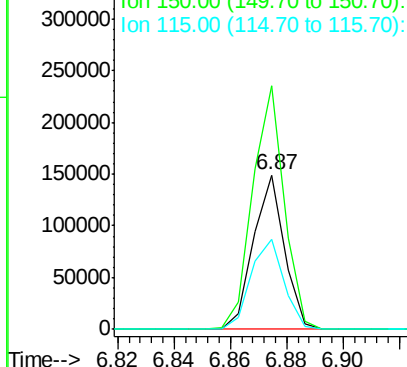
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 113939
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.6 186.8
 115 58.7 50.1 75.1



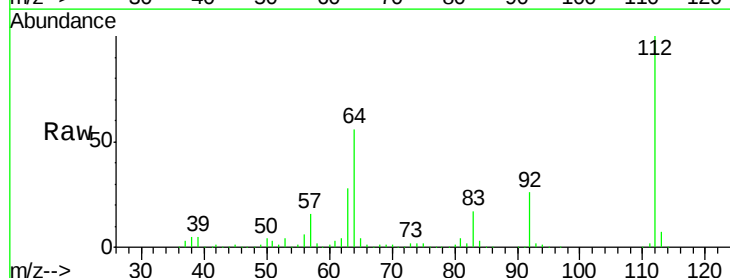
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



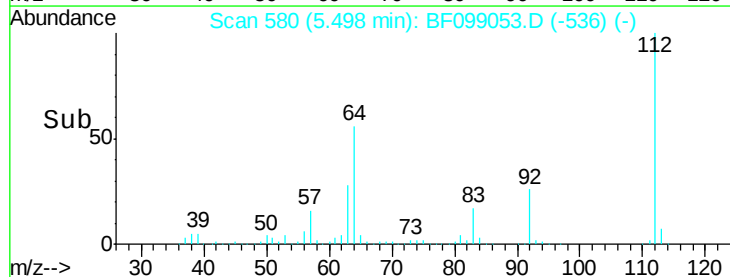
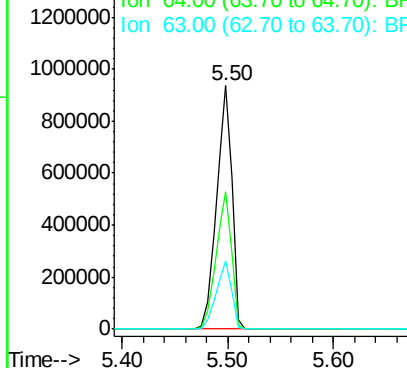
#5

2-Fluorophenol
 Concen: 135.50 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.04 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Tgt Ion:112 Resp: 969836
 Ion Ratio Lower Upper
 112 100
 64 56.5 47.9 71.9
 63 27.9 23.7 35.5



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: 126.89 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

Instrument :

BNA_F

ClientSampled :

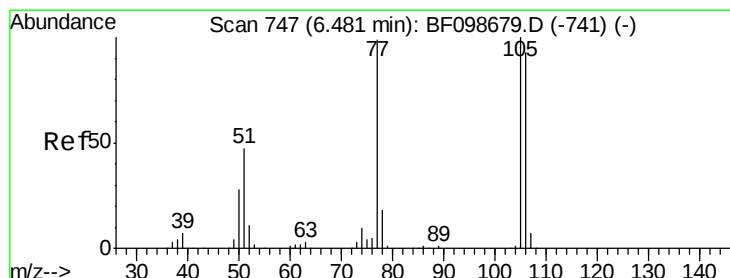
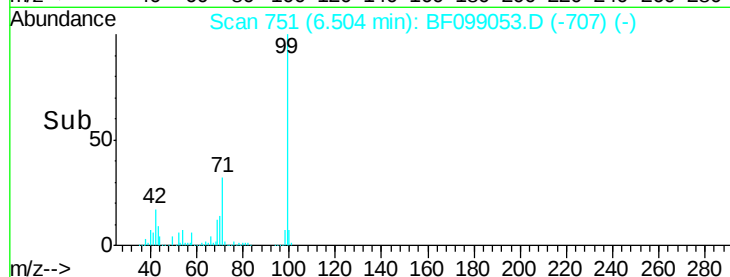
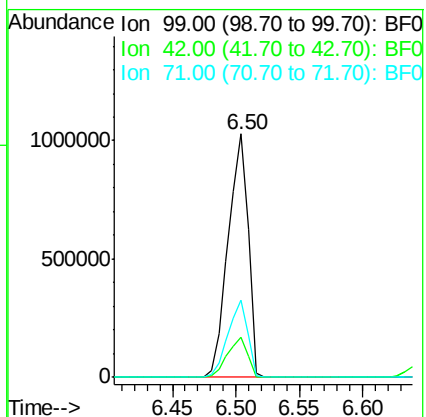
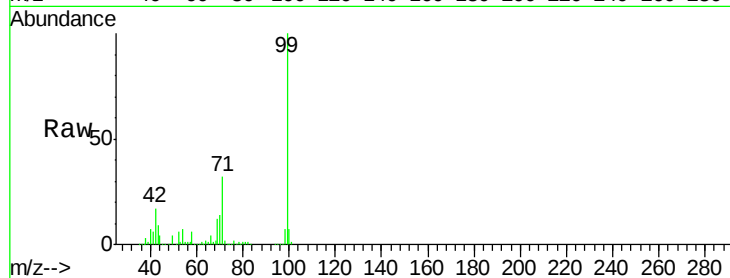
Tot Ion: 99 Resp: 1120409

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 31.7 25.4 38.0



#9

Benzaldehyde

Concen: 3.72 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.17 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

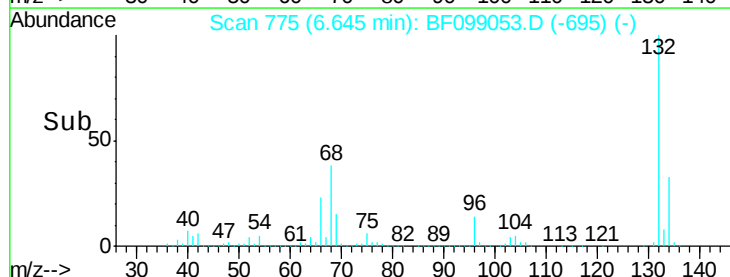
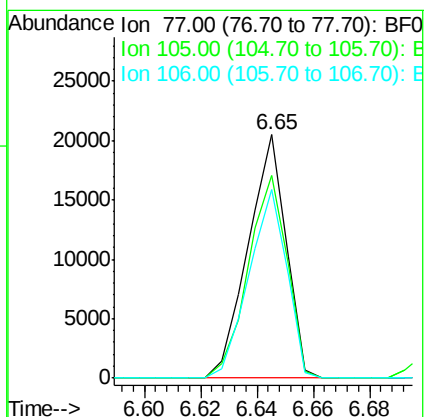
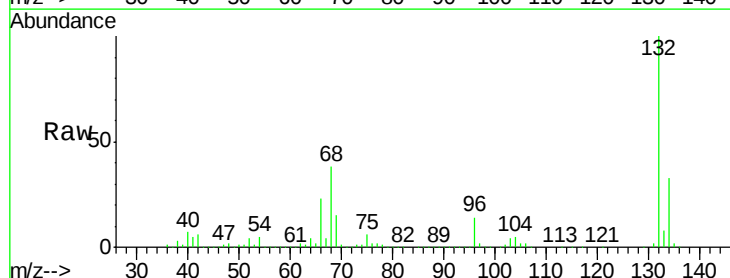
Tgt Ion: 77 Resp: 19074

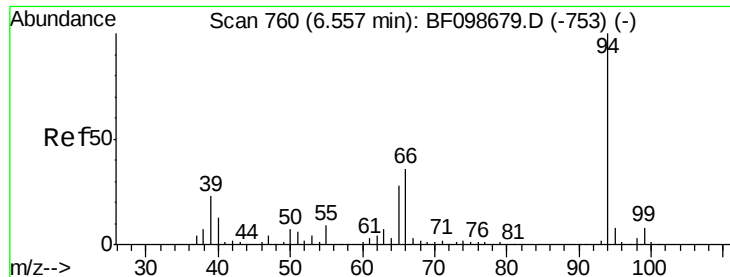
Ion Ratio Lower Upper

77 100

105 83.4 81.1 121.1

106 77.7 74.5 114.5

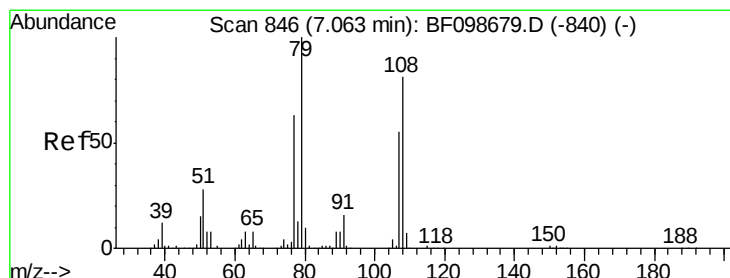
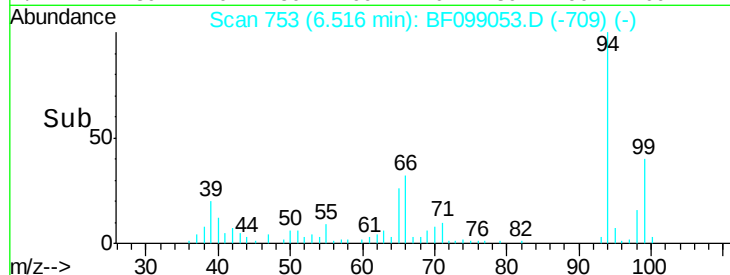
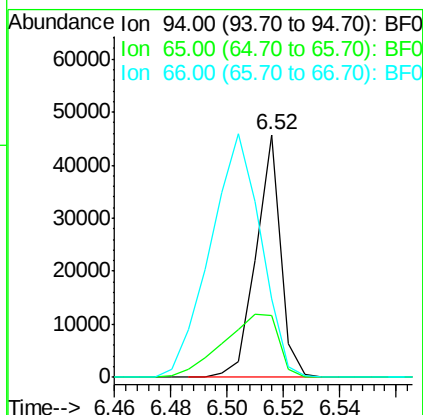
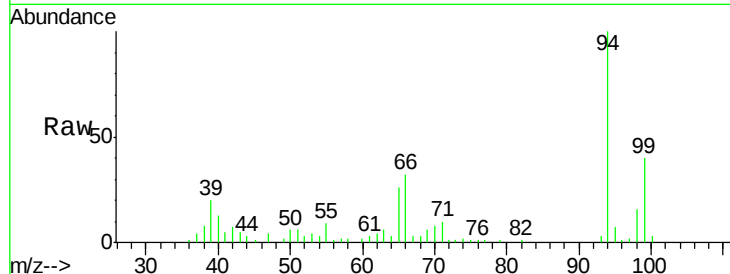




#10
Phenol
Concen: 2.80 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.04 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

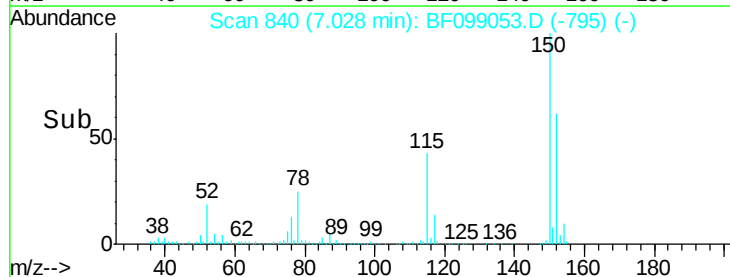
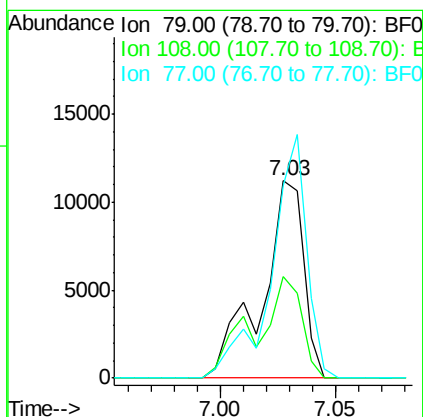
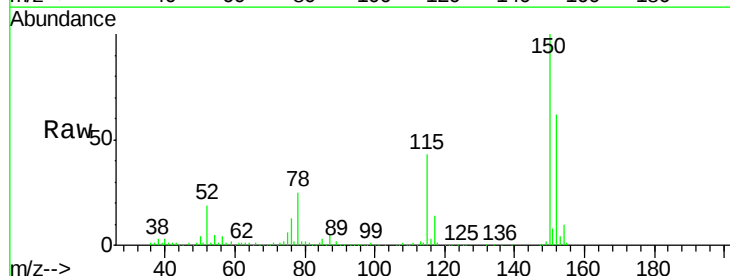
Instrument :
BNA_F
ClientSampleId :

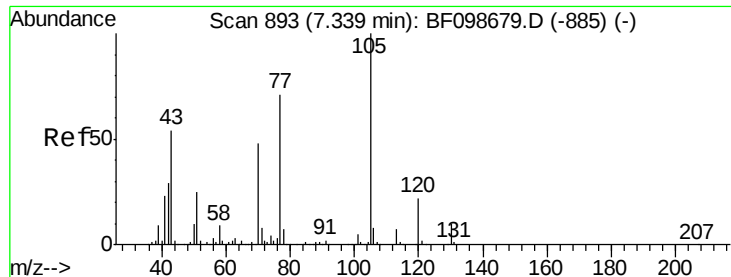
Tot Ion: 94 Resp: 27662
Ion Ratio Lower Upper
94 100
65 25.5 7.9 47.9
66 32.3 16.2 56.2



#15
Benzyl Alcohol
Concen: 2.18 ng
RT: 7.03 min Scan# 840
Delta R.T. -0.04 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Tgt Ion: 79 Resp: 14146
Ion Ratio Lower Upper
79 100
108 51.3 65.1 97.7#
77 97.9 50.6 75.8#

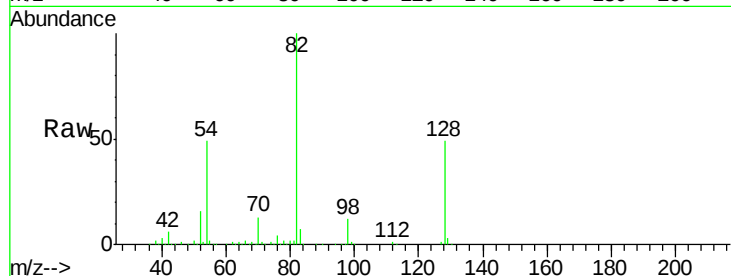




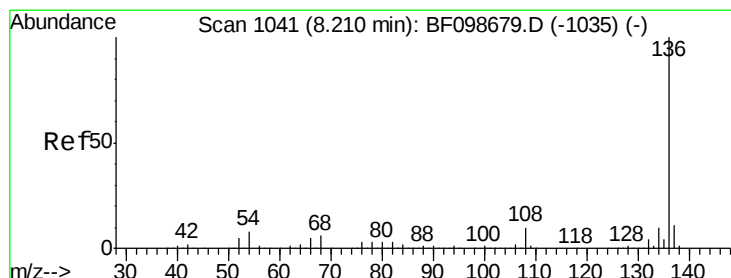
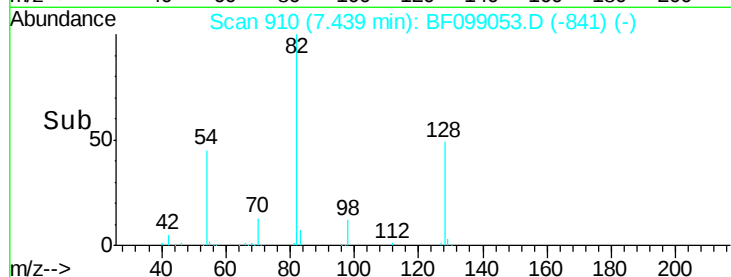
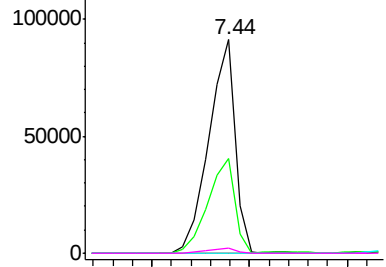
#19
n-Nitroso-di-n-propylamine
Concen: 15.15 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.11 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 85413
Ion Ratio Lower Upper
70 100
42 44.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

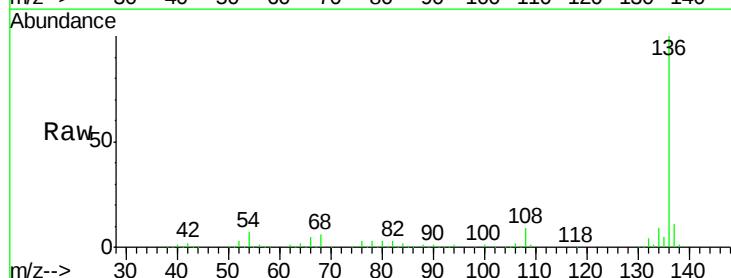


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

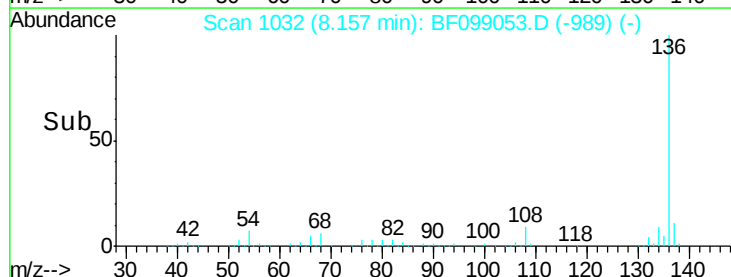
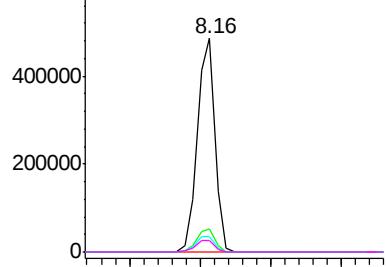


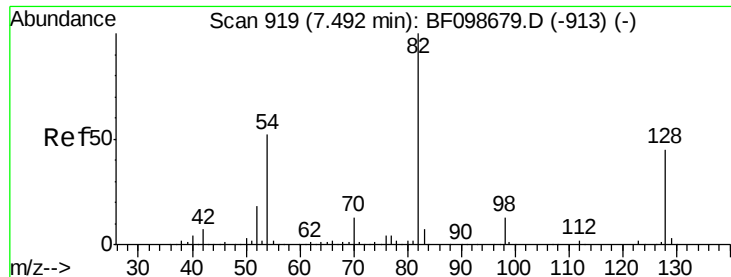
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Tgt Ion: 136 Resp: 418860
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.2 6.6 9.8
68 5.7 5.0 7.4



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

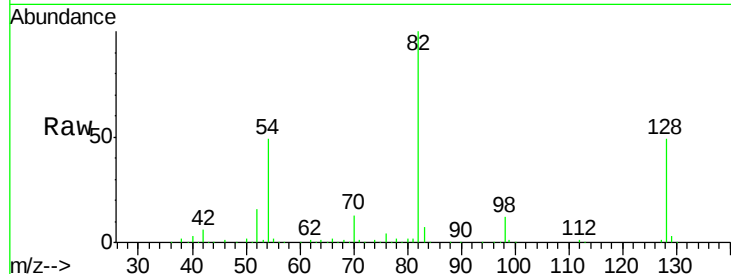




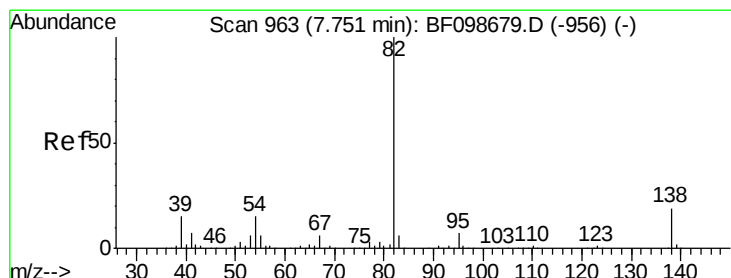
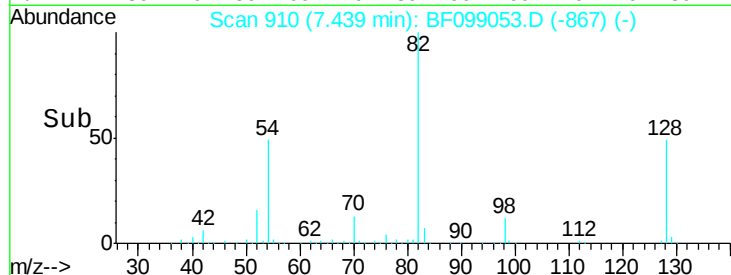
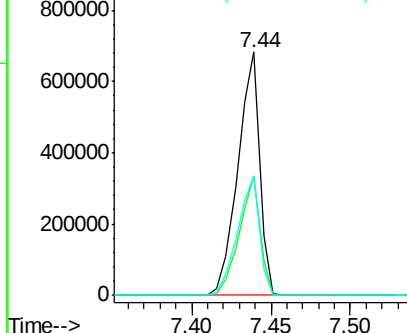
#23
 Nitrobenzene-d5
 Concen: 98.91 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	645994
Ion Ratio	100	Lower	Upper
128	48.9	36.1	54.1
54	48.9	41.4	62.2

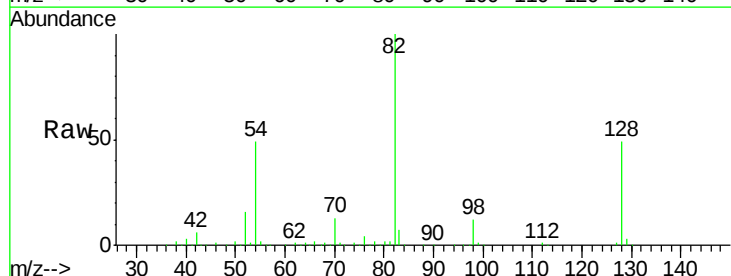


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

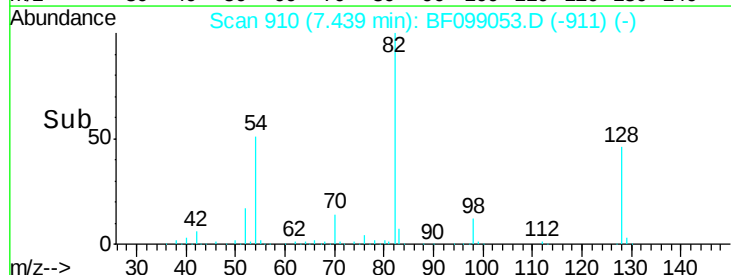
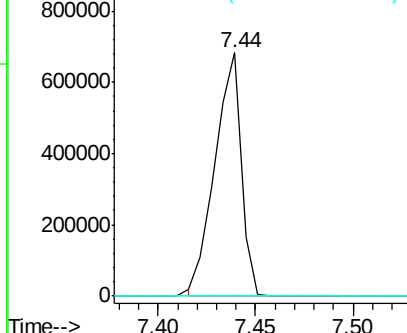


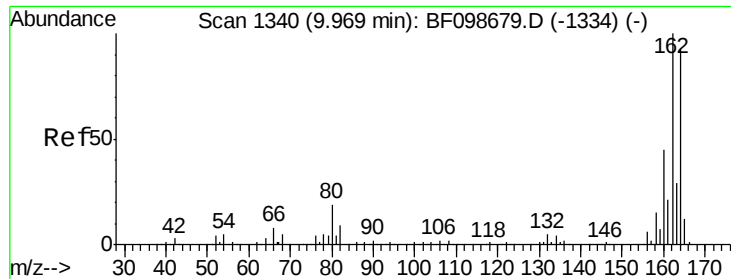
#25
 Isophorone
 Concen: 47.35 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.31 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Tgt Ion	82	Resp	639377
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.05 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

Instrument :

BNA_F

ClientSampleId :

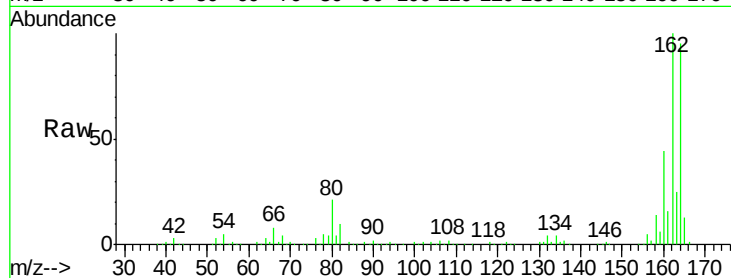
Tot Ion:164 Resp: 146004

Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

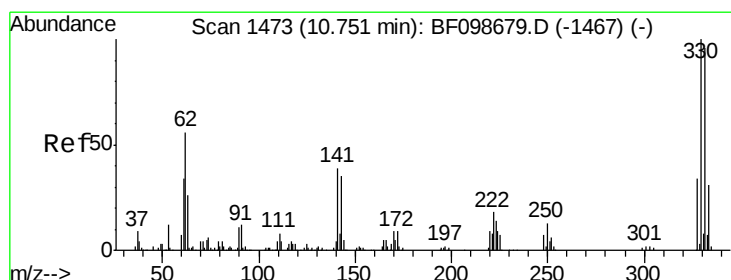
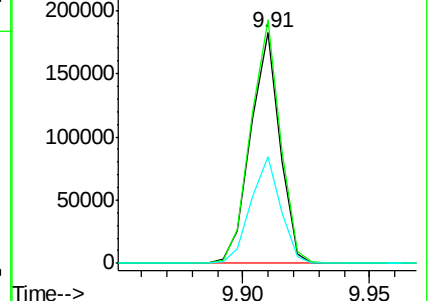
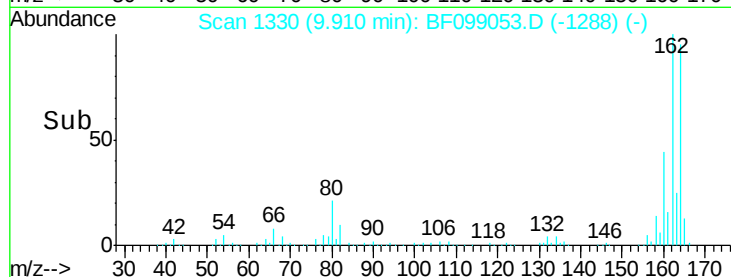
160 46.2 38.3 57.5



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: 111.95 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

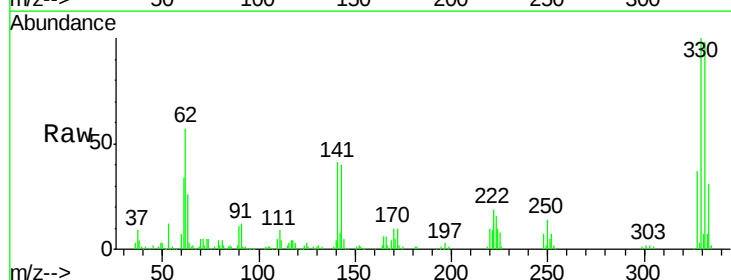
Tgt Ion:330 Resp: 133753

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

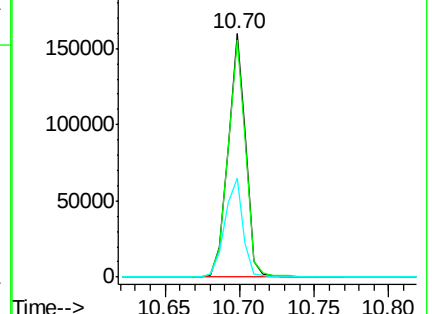
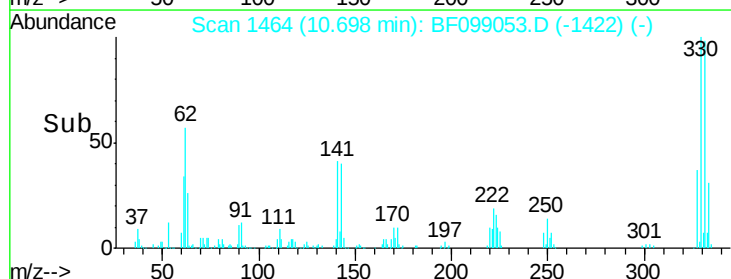
141 41.9 29.9 44.9

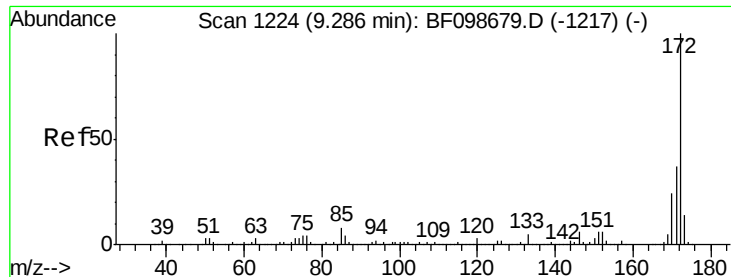


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

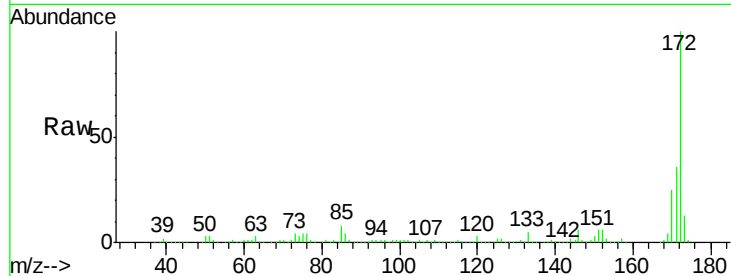




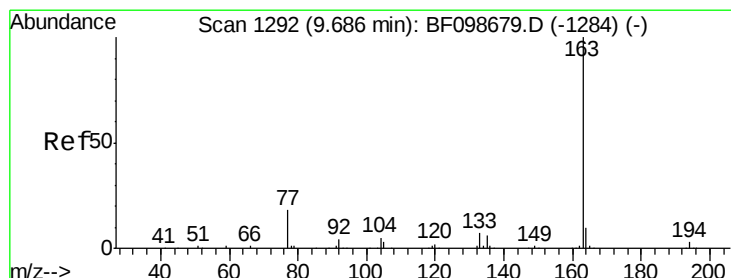
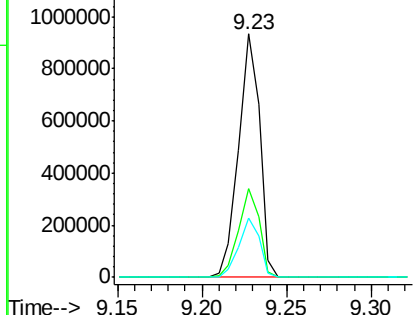
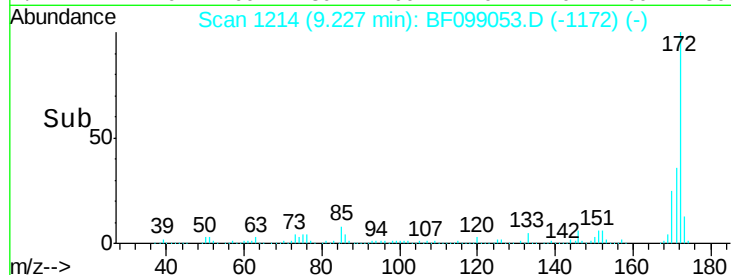
#44
 2-Fluorobiphenyl
 Concen: 92.86 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 812098
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.5 19.6 29.4

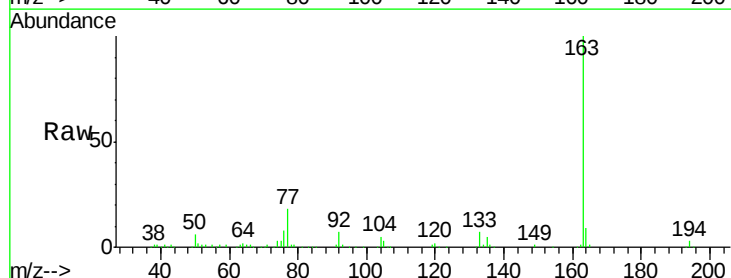


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

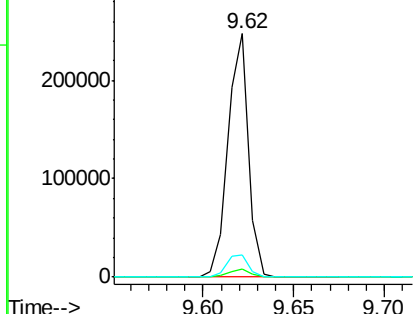
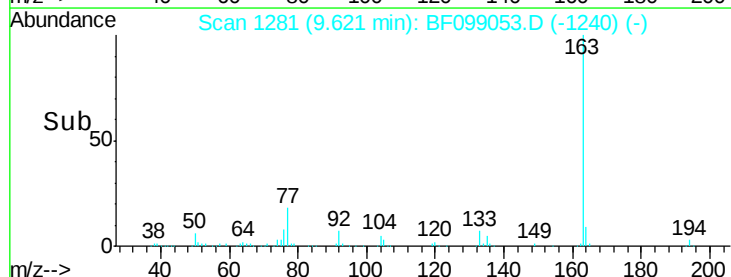


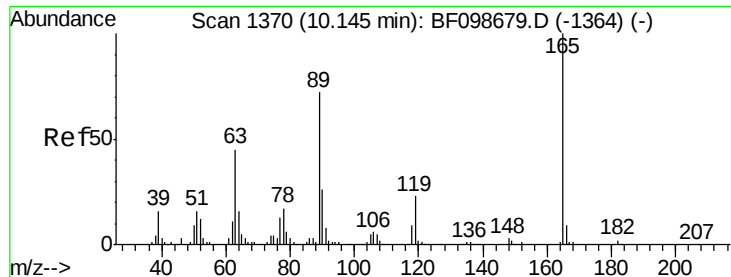
#49
 Dimethylphthalate
 Concen: 17.64 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.06 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Tgt Ion:163 Resp: 194397
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.7 4.1
 164 9.2 8.2 12.2



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

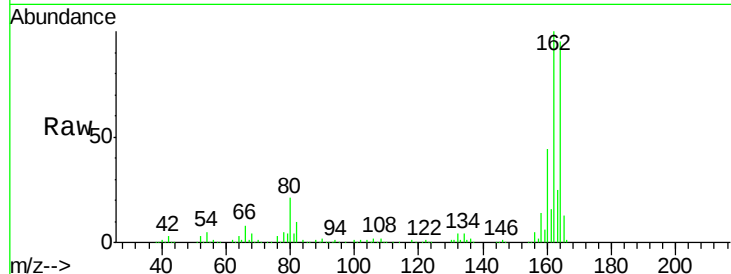




#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.24 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

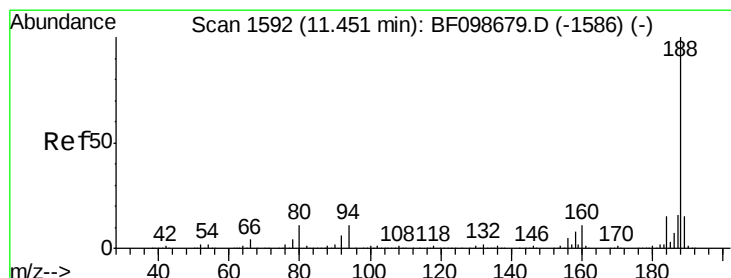
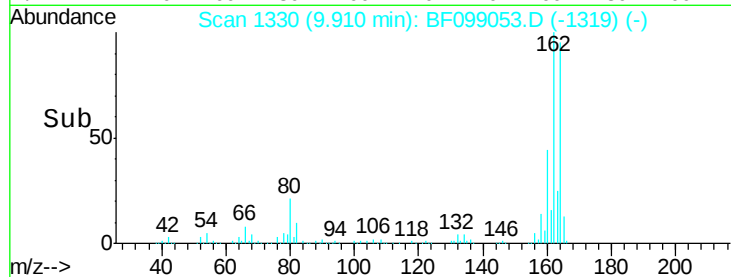
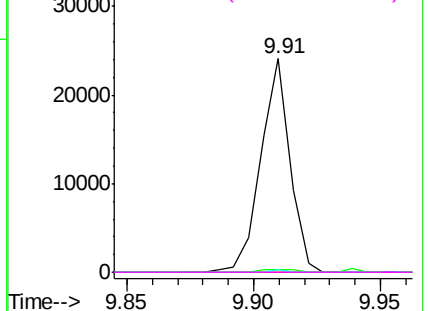


Abundance Ion 165.00 (164.70 to 165.70): E

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



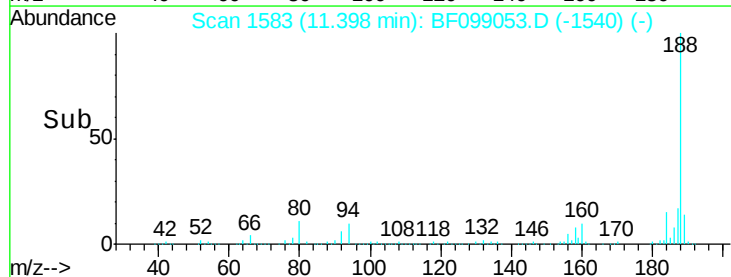
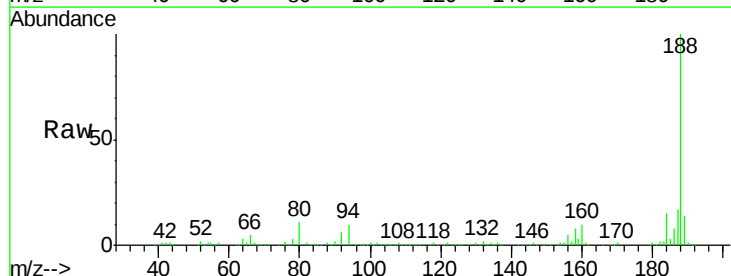
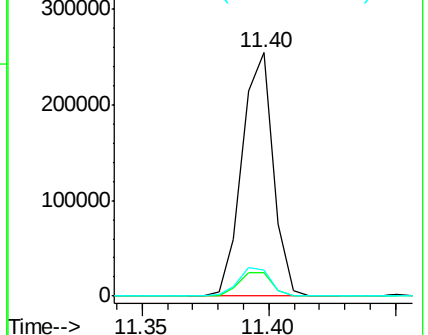
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

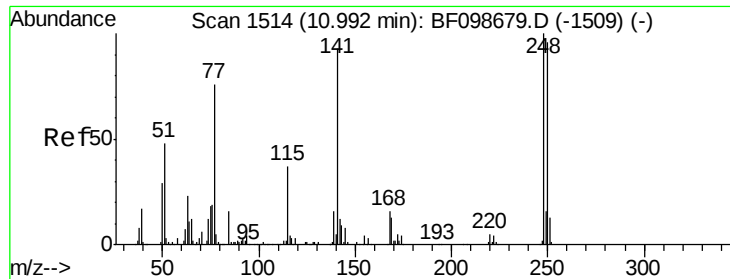
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.7	9.2	13.8

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

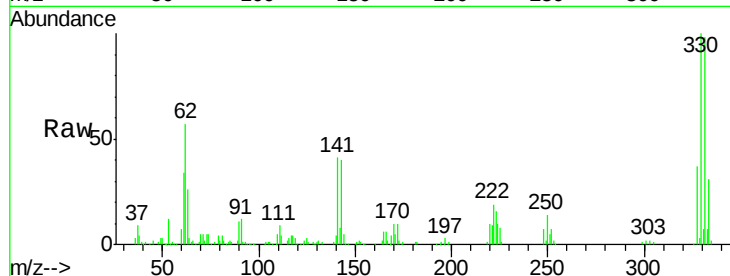




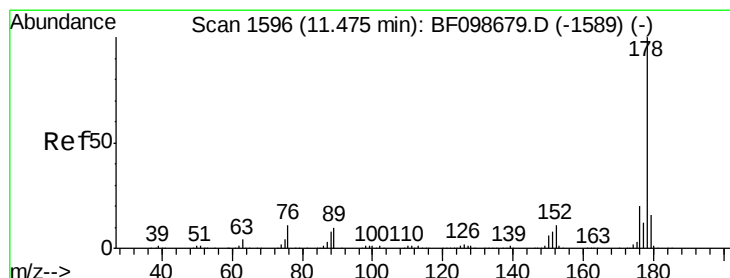
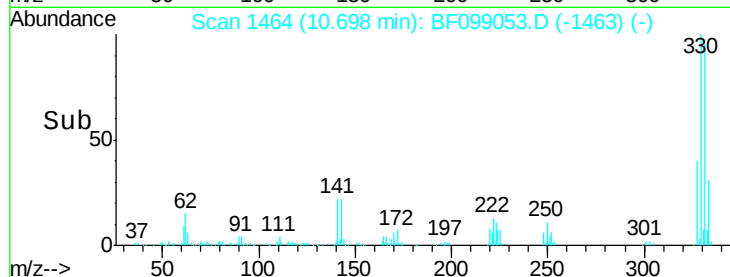
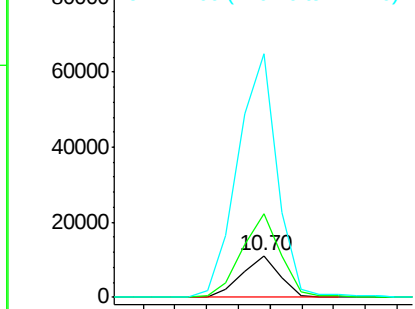
#66
 4-Bromophenyl-phenylether
 Concen: 4.29 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.29 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9122
 Ion Ratio Lower Upper
 248 100
 250 199.6 76.9 115.3#
 141 585.3 74.4 111.6#

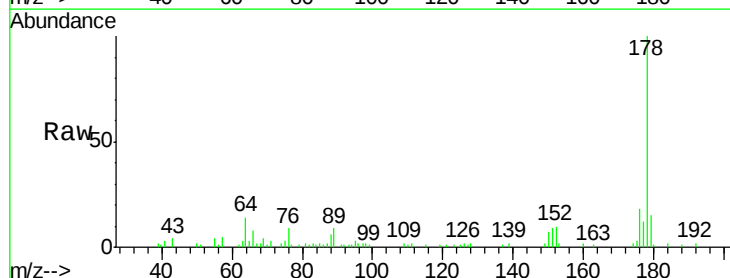


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

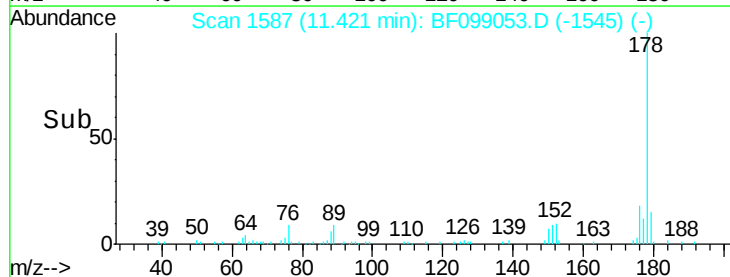
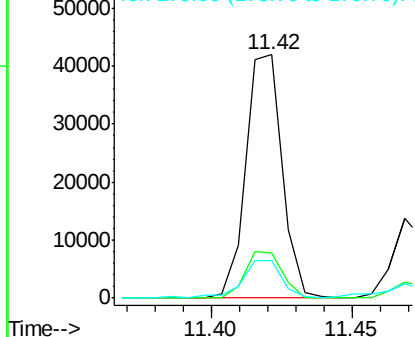


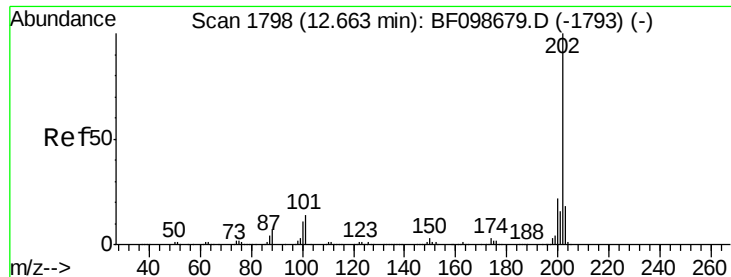
#70
 Phenanthrene
 Concen: 3.22 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.05 min
 Lab File: BF099053.D
 Acq: 4 Oct 2017 1:53

Tgt Ion:178 Resp: 37412
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 15.4 13.0 19.6



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: 5.95 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.05 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

Instrument :

BNA_F

ClientSampled :

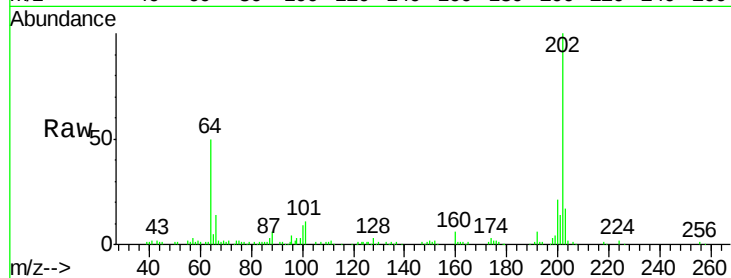
Tot Ion:202 Resp: 70004

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

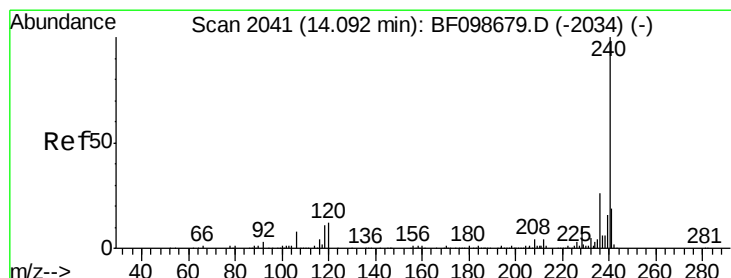
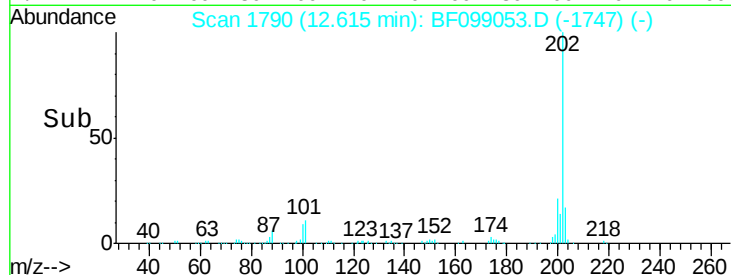
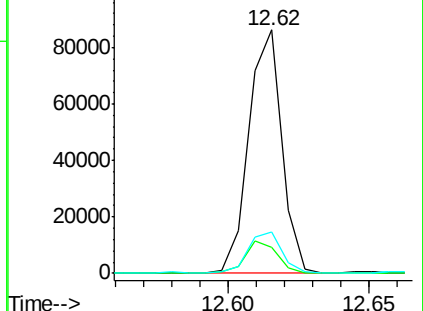
203 16.9 0.0 38.1



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: 14.03 min Scan# 2031

Delta R.T. -0.05 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

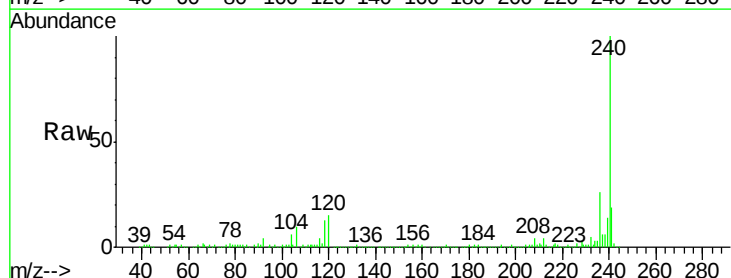
Tgt Ion:240 Resp: 228415

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

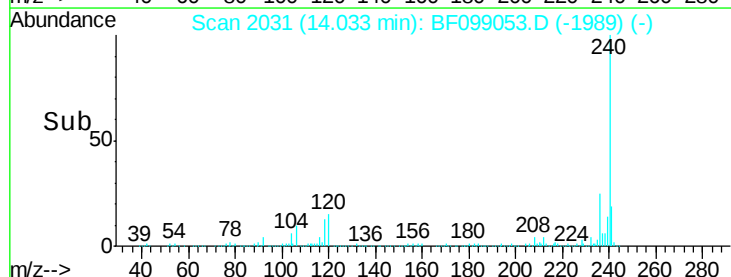
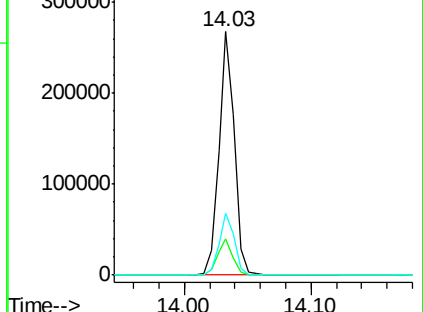
236 25.5 20.7 31.1

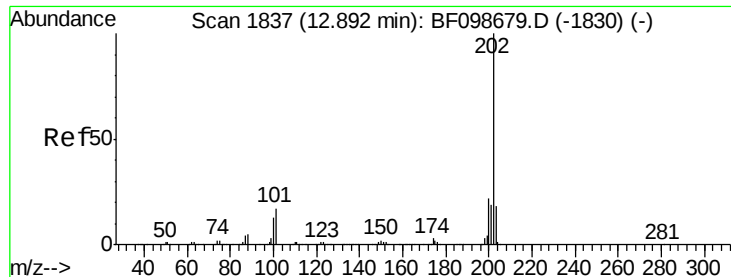


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.79 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.05 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

Instrument :

BNA_F

ClientSampleId :

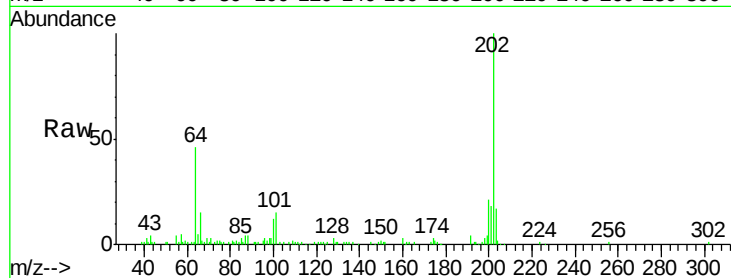
Tot Ion:202 Resp: 65968

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

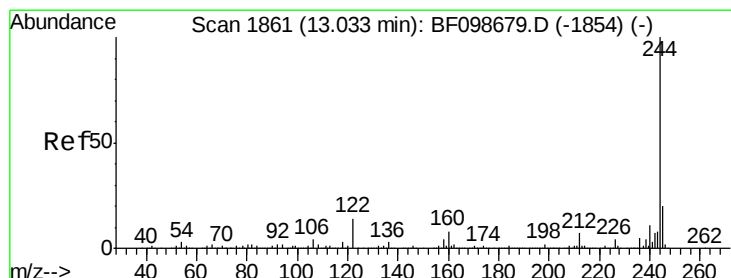
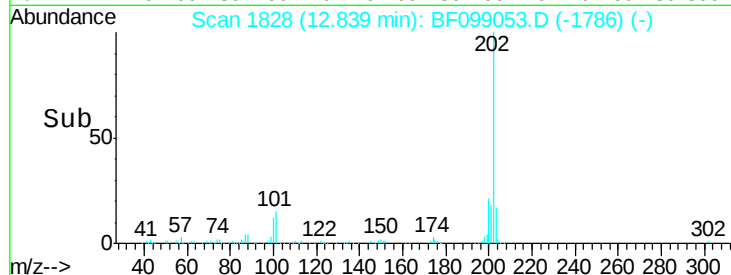
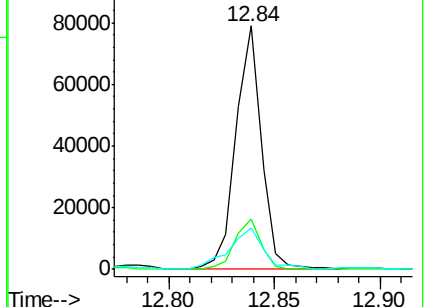
203 16.9 14.3 21.5



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: 56.57 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BF099053.D

Acq: 4 Oct 2017 1:53

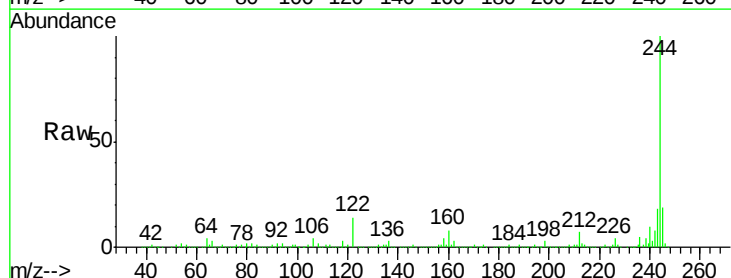
Tgt Ion:244 Resp: 568126

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

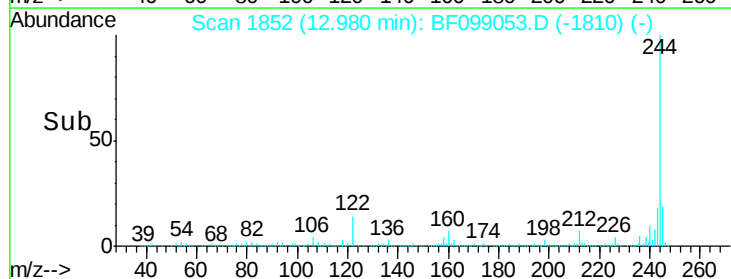
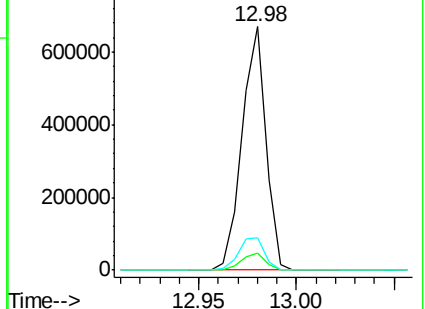
122 13.5 11.0 16.4

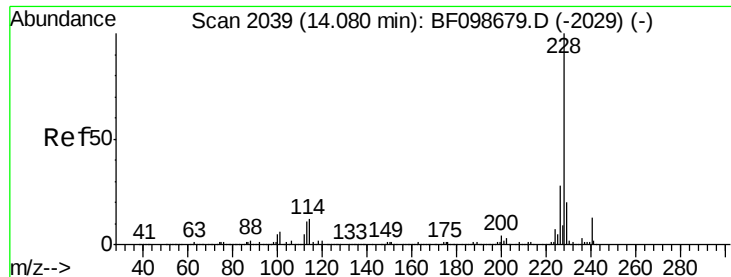


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

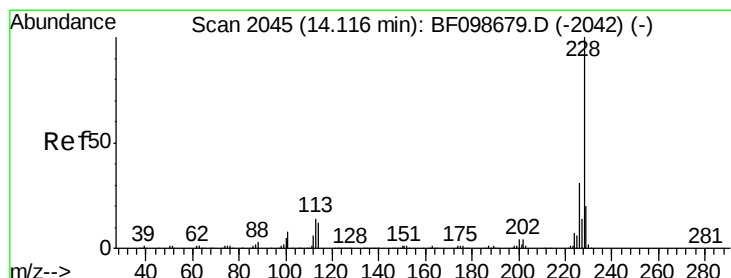
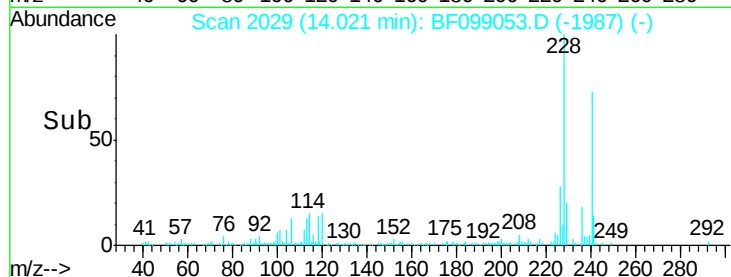
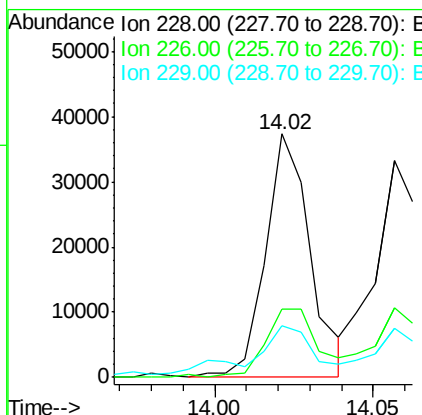
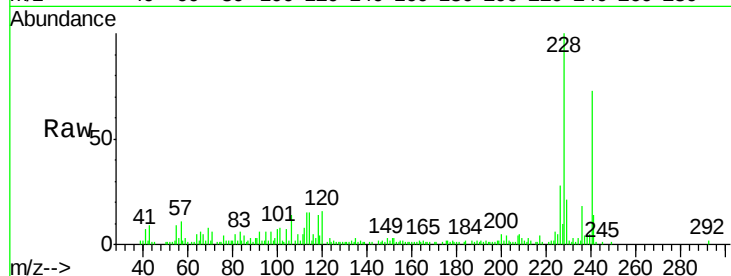




#80
Benzo(a)anthracene
Concen: 2.65 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.05 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

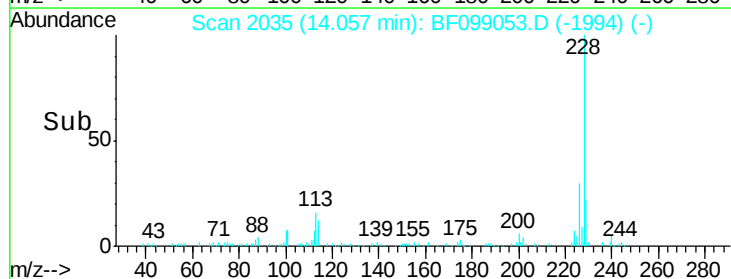
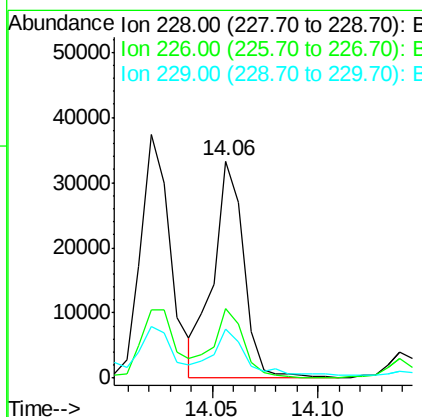
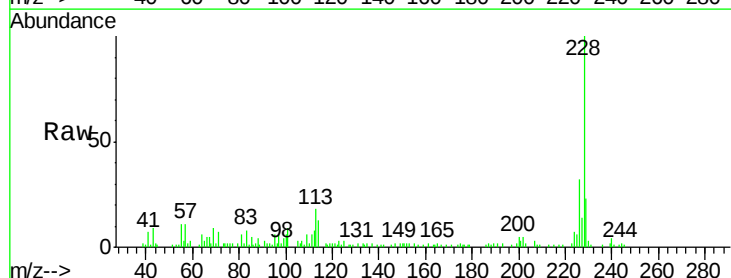
Instrument :
BNA_F
ClientSampled :

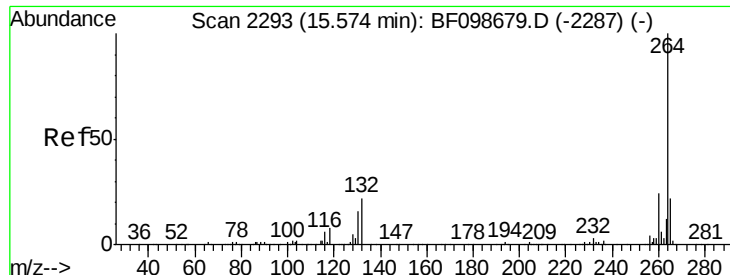
Tot Ion:228 Resp: 36715
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 20.9 15.8 23.6



#82
Chrysene
Concen: 2.55 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.06 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Tgt Ion:228 Resp: 33626
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.6
229 22.6 16.2 24.4

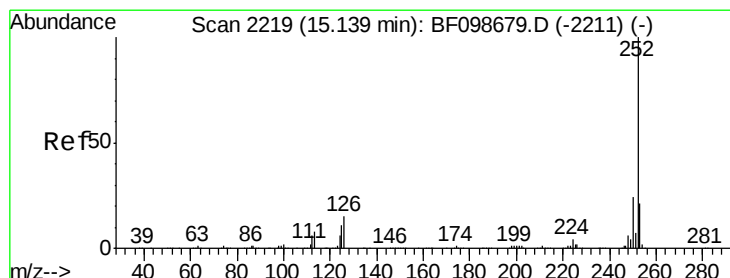
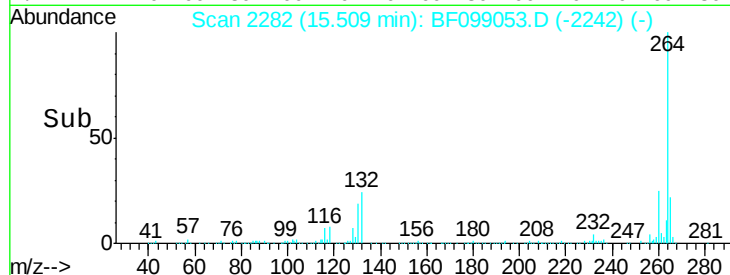
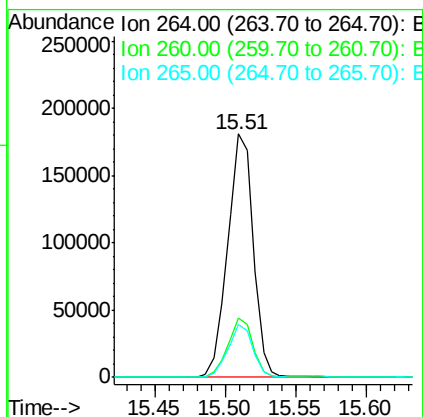
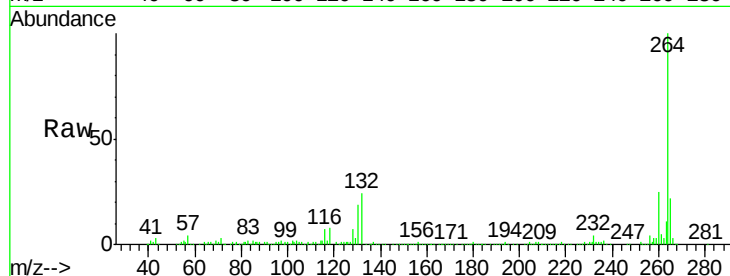




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.06 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

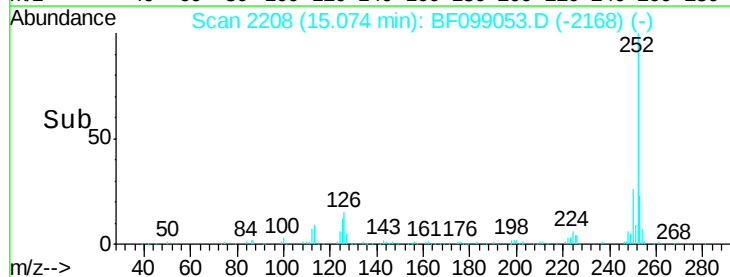
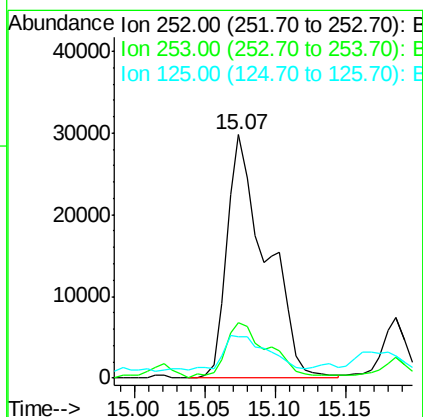
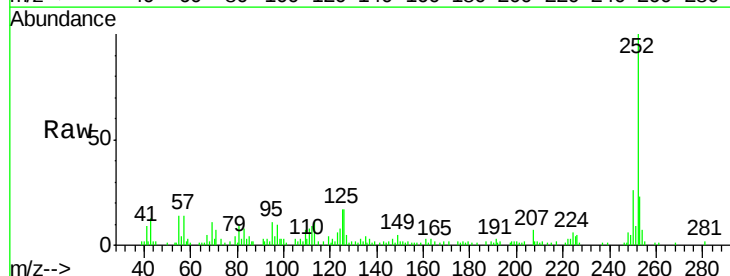
Instrument :
BNA_F
ClientSampled :

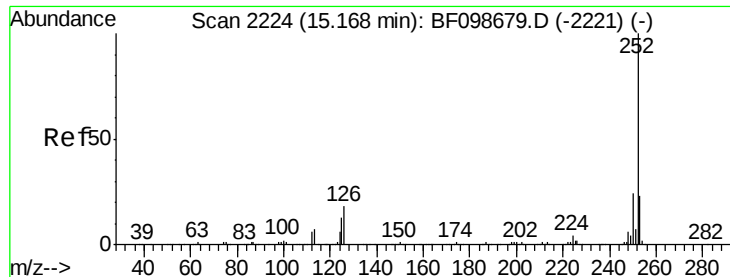
Tot Ion:264 Resp: 229780
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.5 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.09 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.06 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Tgt Ion:252 Resp: 57749
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 17.2 9.0 13.6#

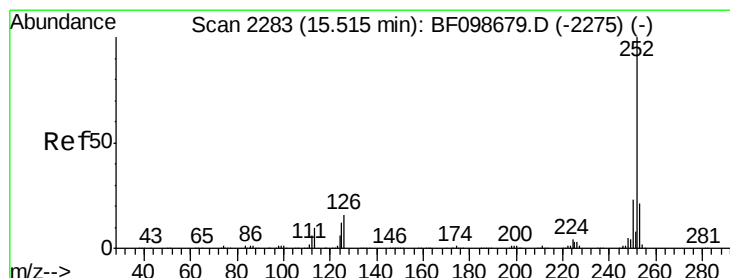
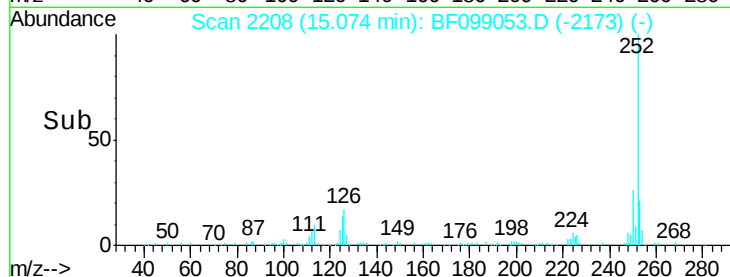
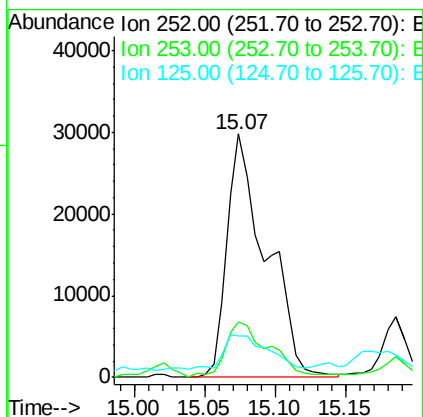
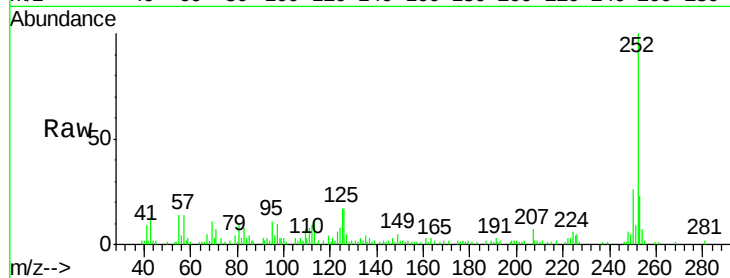




#88
Benzo(k)fluoranthene
Concen: 4.14 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.09 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 57749
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 17.2 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.56 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.07 min
Lab File: BF099053.D
Acq: 4 Oct 2017 1:53

Tgt Ion:252 Resp: 33151
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 17.8 9.8 14.6#

