

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100617\
 Data File : BF099180.D
 Acq On : 7 Oct 2017 7:02
 Operator : SJ/JU
 Sample : I5542-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:01:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

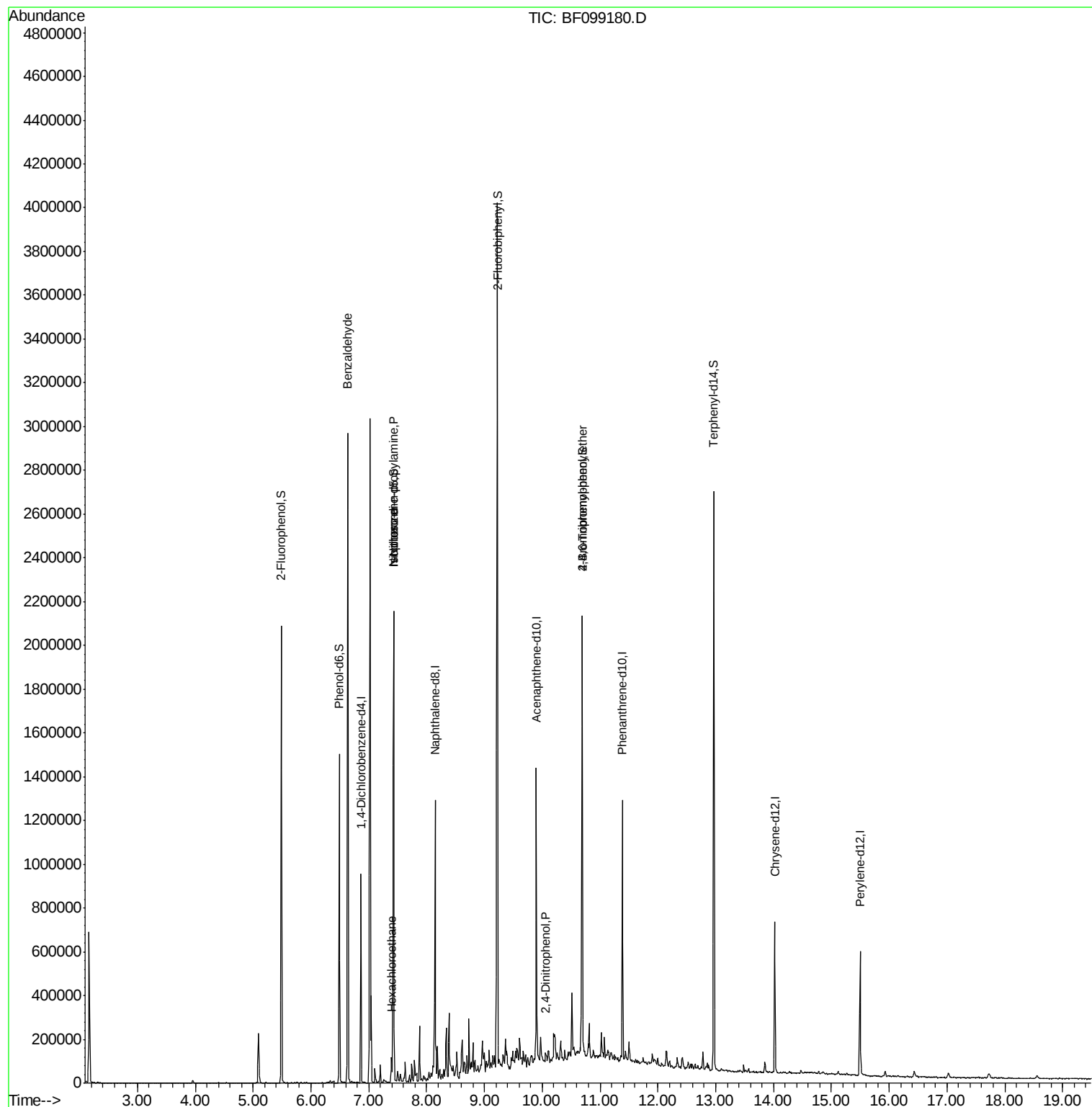
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	134510	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	546066	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	244322	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	381450	20.00	ng	0.00
75) Chrysene-d12	14.02	240	212436	20.00	ng	-0.01
86) Perylene-d12	15.50	264	233724	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	598538	70.84	ng	0.00
7) Phenol-d6	6.49	99	473159	45.39	ng	0.00
23) Nitrobenzene-d5	7.43	82	791233	92.92	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	250052	125.08	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1391069	95.05	ng	0.00
78) Terphenyl-d14	12.97	244	898336	96.17	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	18175	3.006	ng	91
18) Hexachloroethane	7.39	117	19260	5.255	ng	# 30
19) n-Nitroso-di-n-propylamine	7.43	70	103245	15.514	ng	# 75
25) Isophorone	7.43	82	788617	44.796	ng	# 64
53) 2,4-Dinitrophenol	10.05	184	116	5.879	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	16518	4.424	ng	# 1

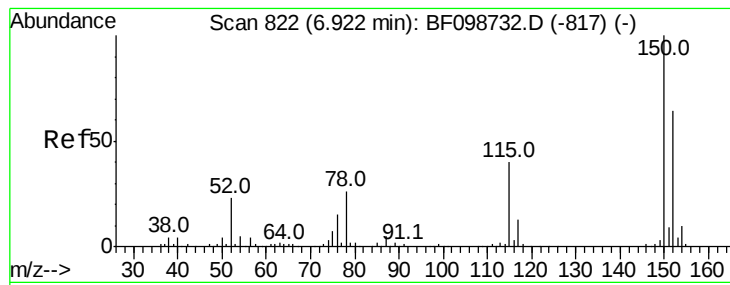
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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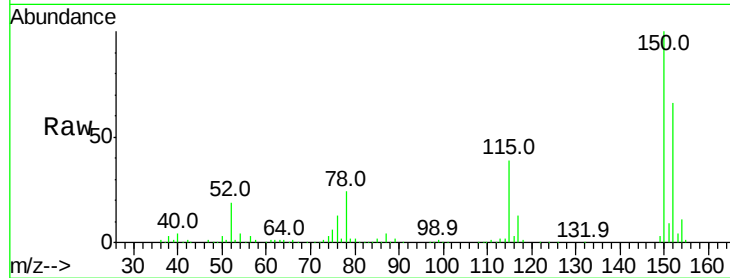


#1

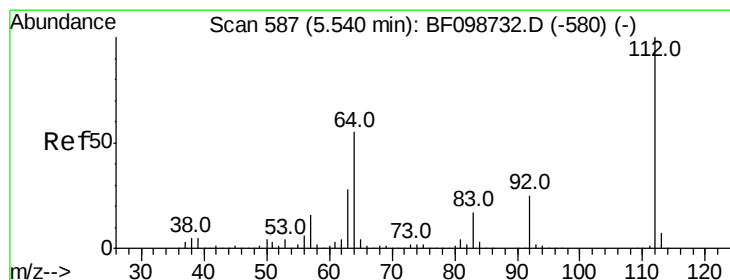
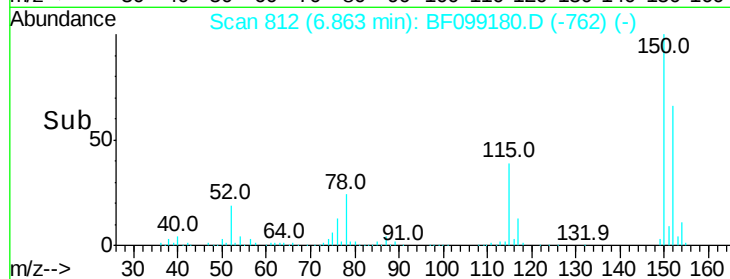
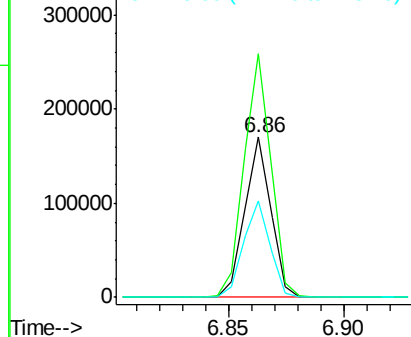
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099180.D
 Acq: 7 Oct 2017 7:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 134510
 Ion Ratio Lower Upper
 152 100
 150 152.0 124.6 186.8
 115 60.0 50.1 75.1



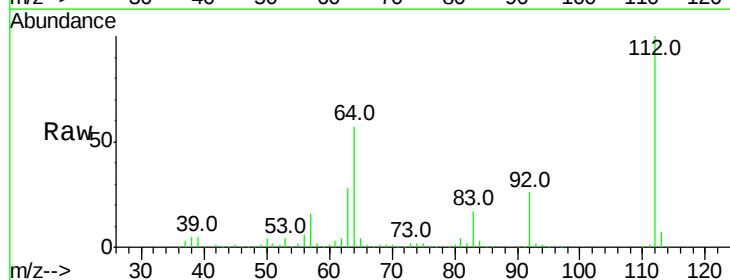
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



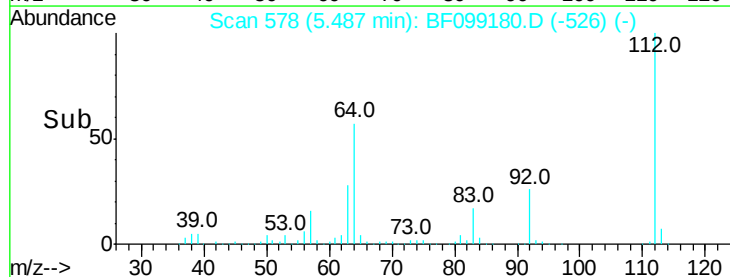
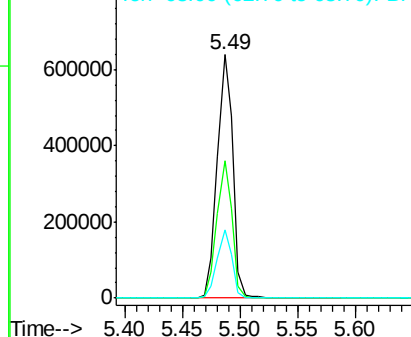
#5

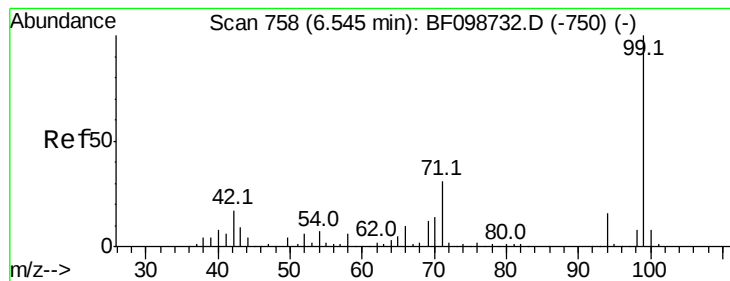
2-Fluorophenol
 Concen: 70.836 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF099180.D
 Acq: 7 Oct 2017 7:02

Tgt Ion:112 Resp: 598538
 Ion Ratio Lower Upper
 112 100
 64 56.6 47.9 71.9
 63 28.0 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: 45.393 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099180.D

Acq: 7 Oct 2017 7:02

Instrument :

BNA_F

ClientSampleId :

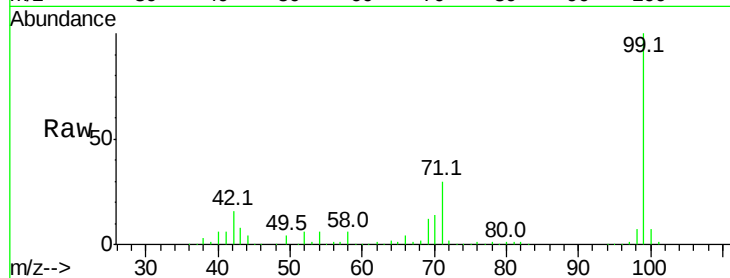
Tot Ion: 99 Resp: 473159

Ion Ratio Lower Upper

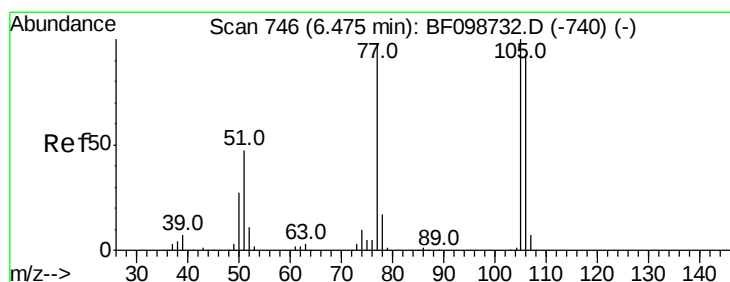
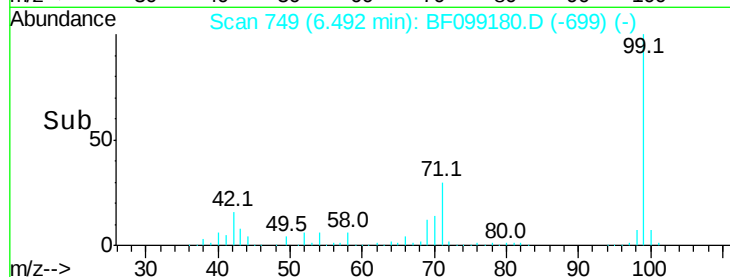
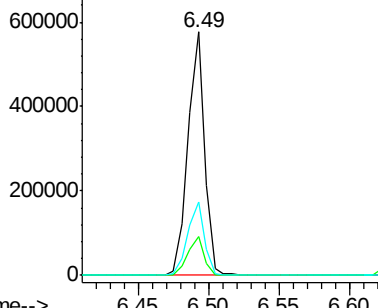
99 100

42 15.9 14.5 21.7

71 30.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.006 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099180.D

Acq: 7 Oct 2017 7:02

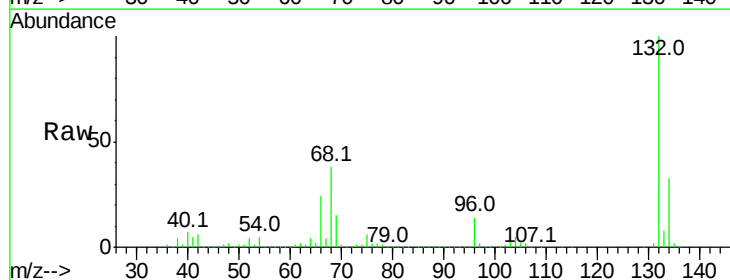
Tgt Ion: 77 Resp: 18175

Ion Ratio Lower Upper

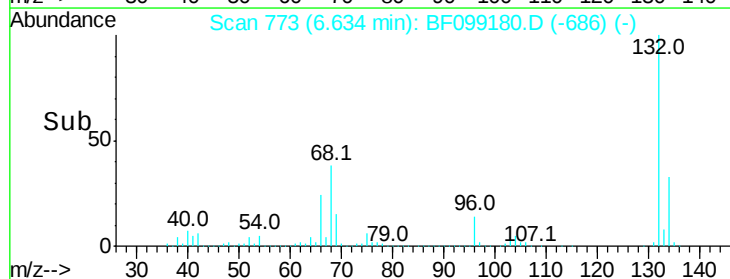
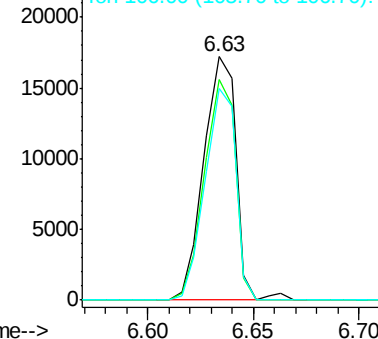
77 100

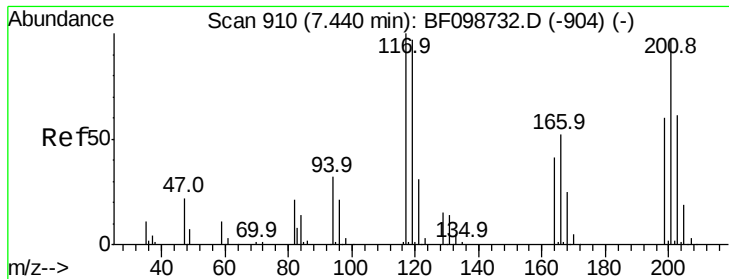
105 90.6 81.1 121.1

106 86.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

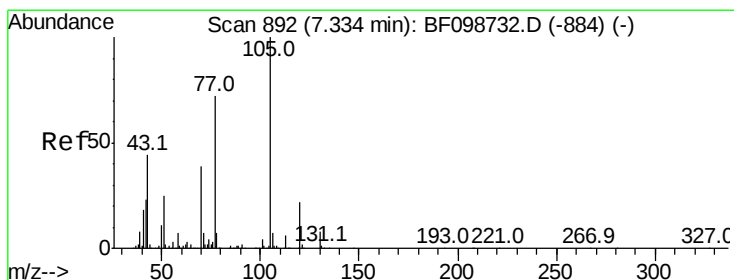
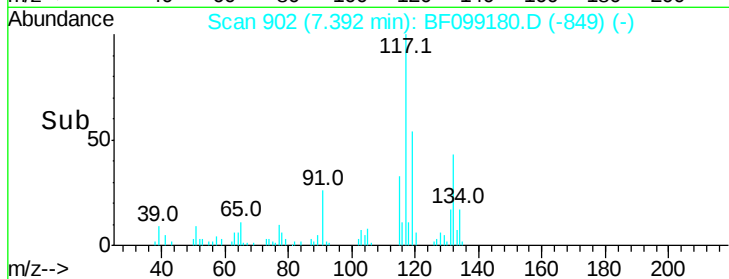
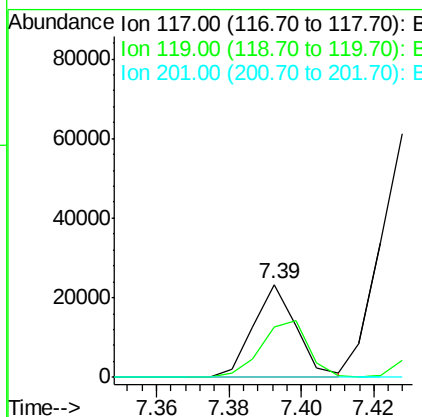
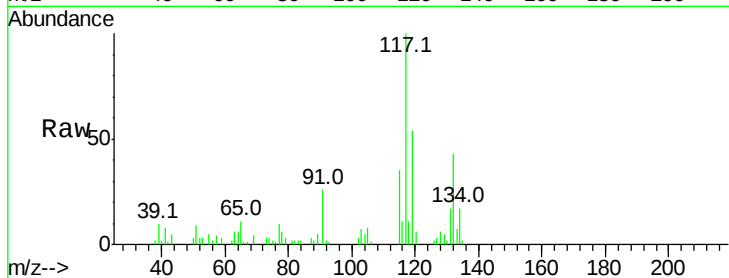




#18
Hexachloroethane
Concen: 5.255 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.01 min
Lab File: BF099180.D
Acq: 7 Oct 2017 7:02

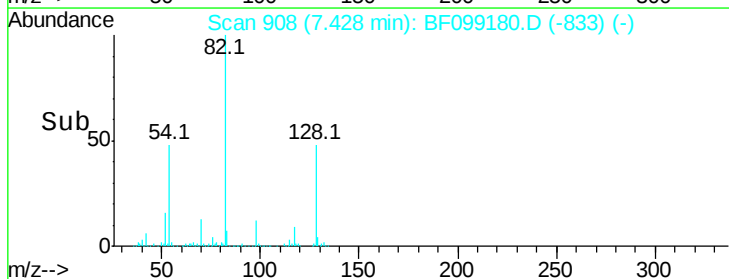
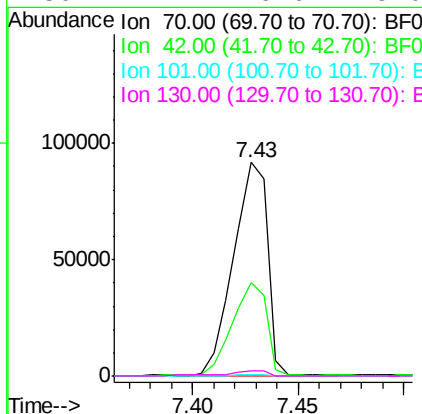
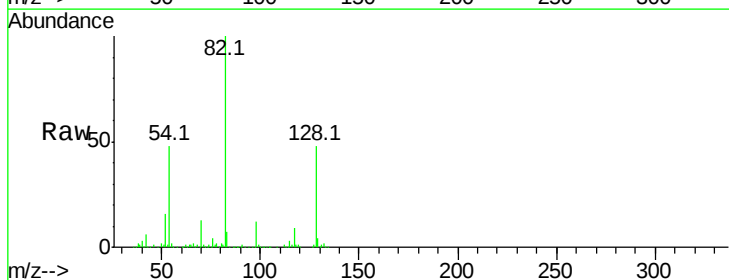
Instrument :
BNA_F
ClientSampleId :

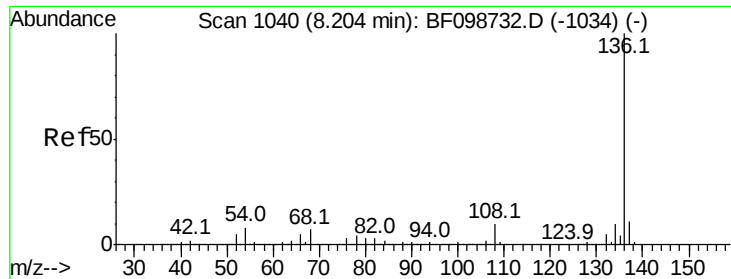
Tot Ion:117 Resp: 19260
Ion Ratio Lower Upper
117 100
119 54.5 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 15.514 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.14 min
Lab File: BF099180.D
Acq: 7 Oct 2017 7:02

Tgt Ion: 70 Resp: 103245
Ion Ratio Lower Upper
70 100
42 43.8 47.5 71.3#
101 0.4 7.4 11.2#
130 2.7 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099180.D

Acq: 7 Oct 2017 7:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 546066

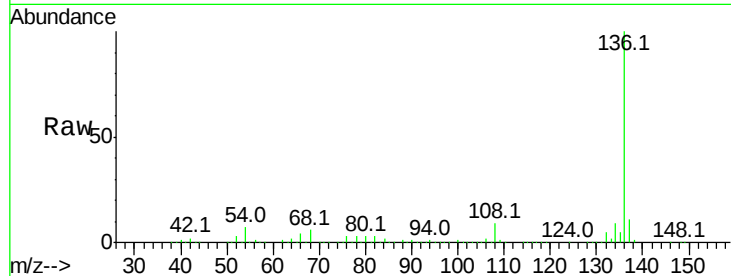
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.3 6.6 9.8

68 6.0 5.0 7.4

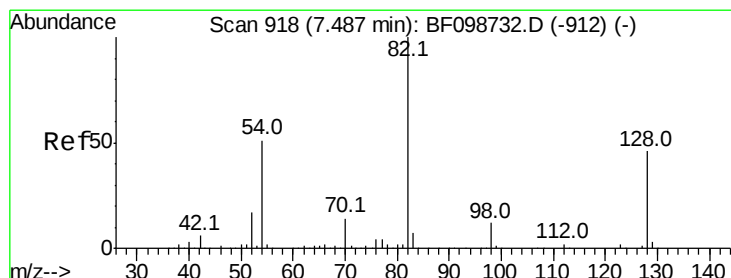
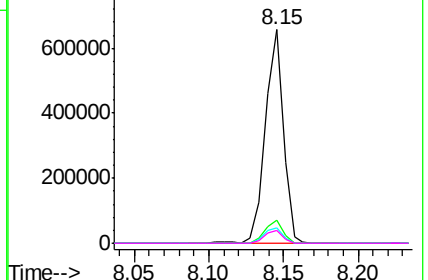
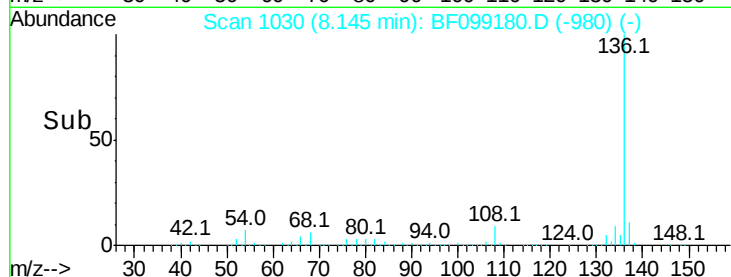


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.923 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF099180.D

Acq: 7 Oct 2017 7:02

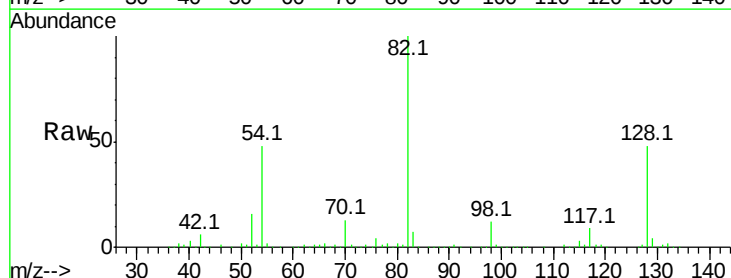
Tgt Ion: 82 Resp: 791233

Ion Ratio Lower Upper

82 100

128 47.5 36.1 54.1

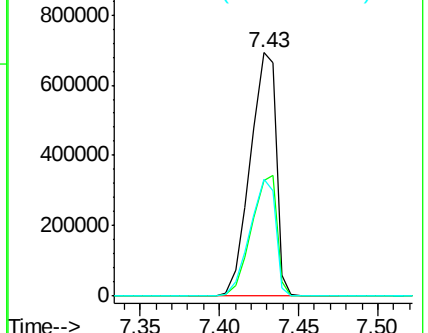
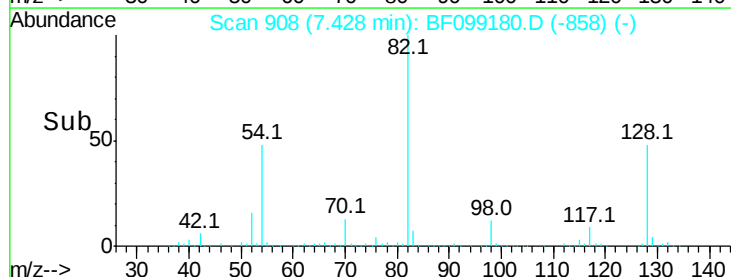
54 48.2 41.4 62.2

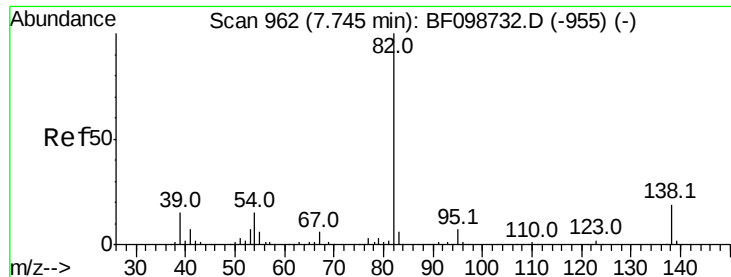


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 44.796 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099180.D

Acq: 7 Oct 2017 7:02

Instrument :

BNA_F

ClientSampled :

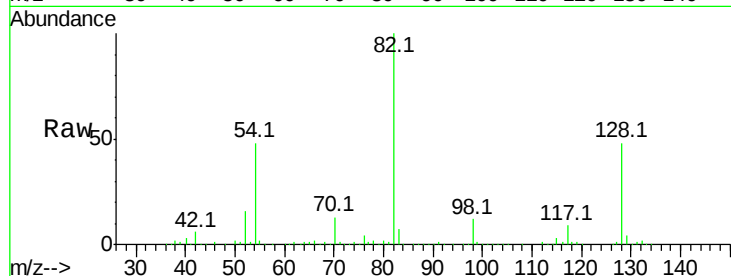
Tot Ion: 82 Resp: 788617

Ion Ratio Lower Upper

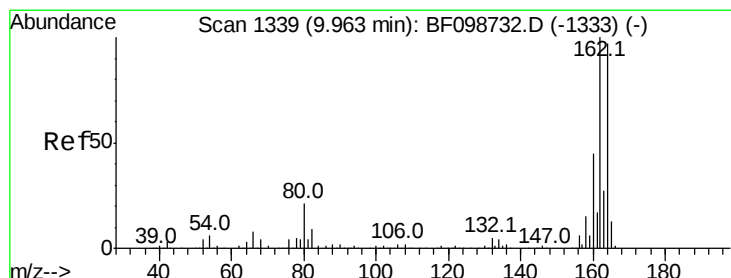
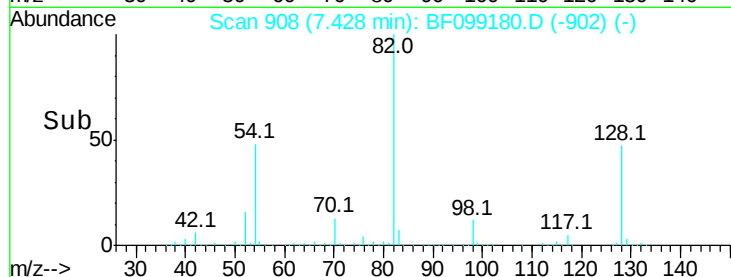
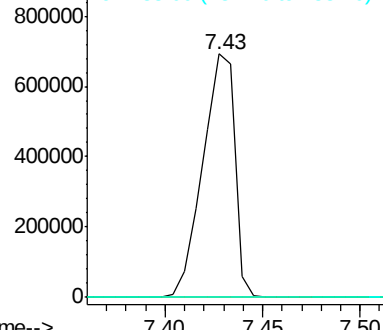
82 100

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: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099180.D

Acq: 7 Oct 2017 7:02

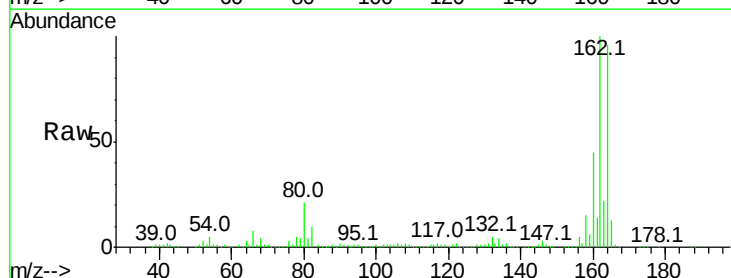
Tgt Ion:164 Resp: 244322

Ion Ratio Lower Upper

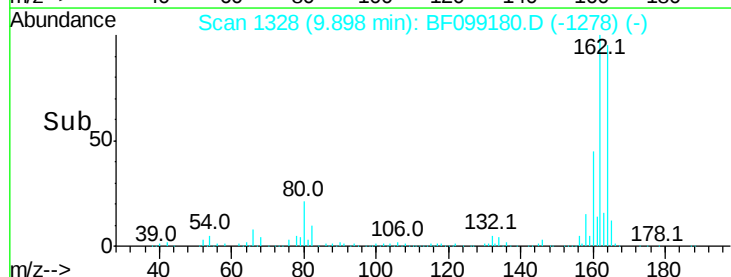
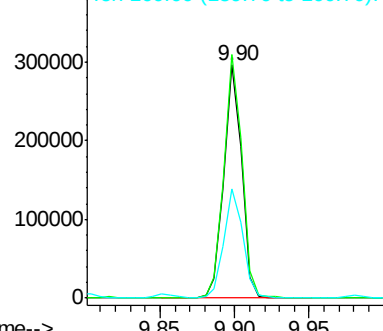
164 100

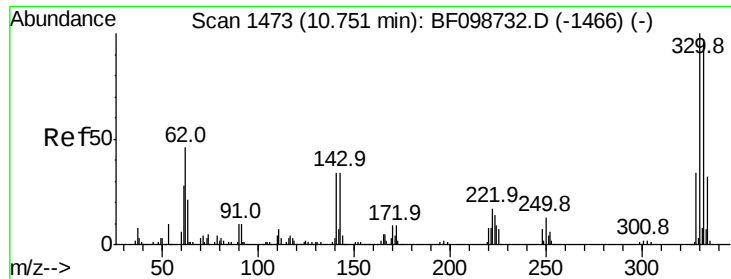
162 104.5 86.1 129.1

160 47.0 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

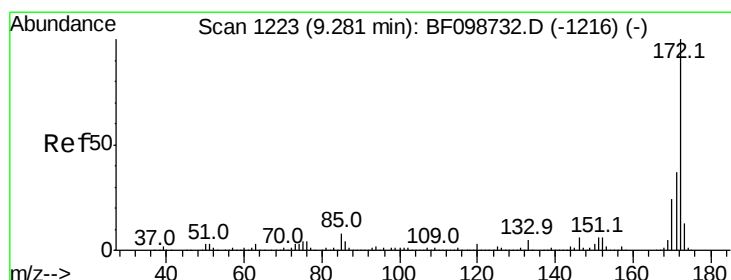
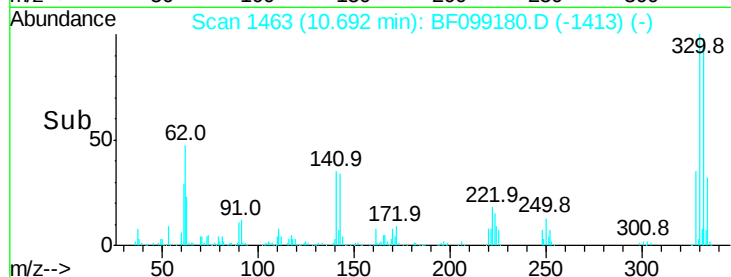
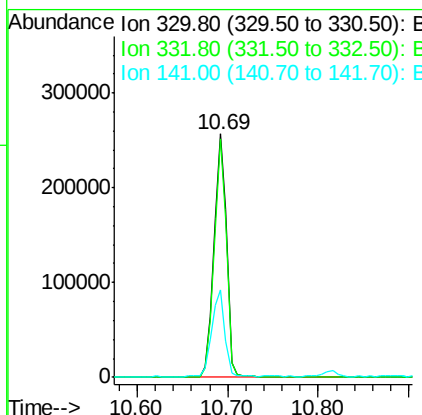
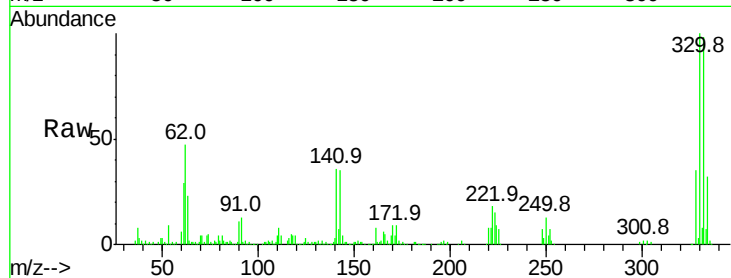




#41
 2,4,6-Tribromophenol
 Concen: 125.075 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099180.D
 Acq: 7 Oct 2017 7:02

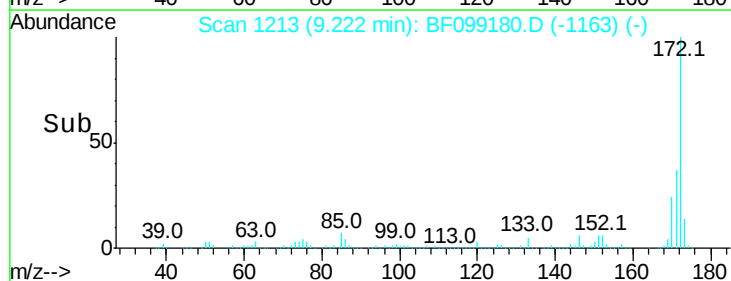
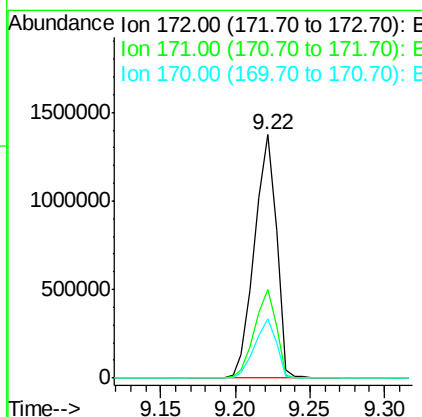
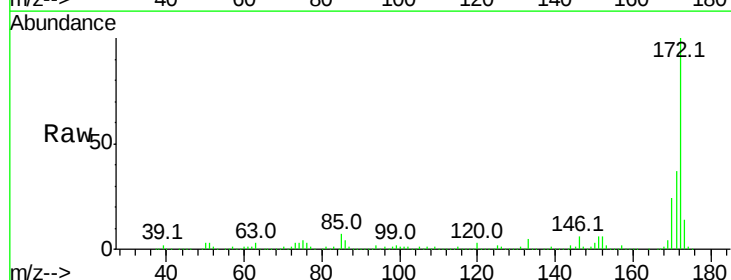
Instrument :
 BNA_F
 ClientSampleId :

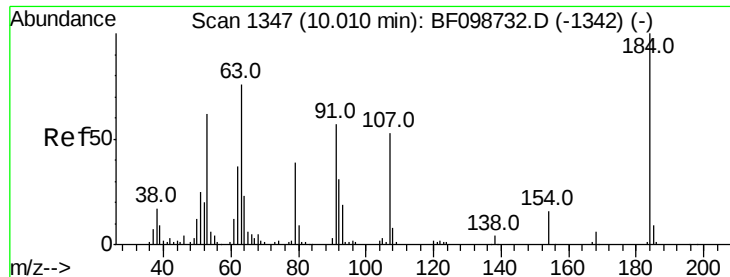
Tot Ion:330 Resp: 250052
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 37.2 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 95.050 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099180.D
 Acq: 7 Oct 2017 7:02

Tgt Ion:172 Resp: 1391069
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.3 19.6 29.4

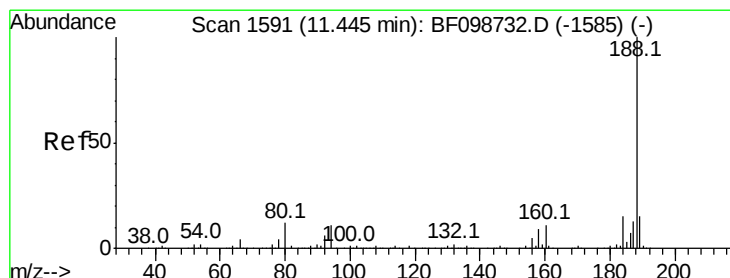
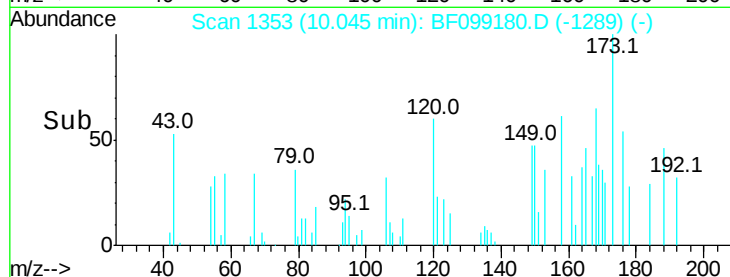
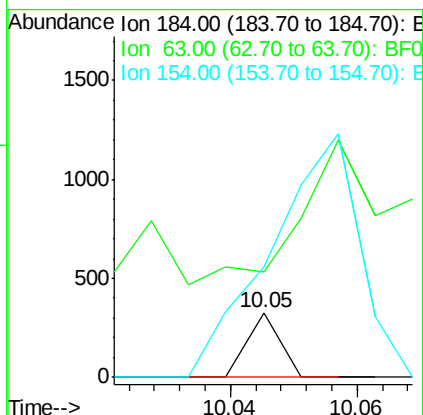
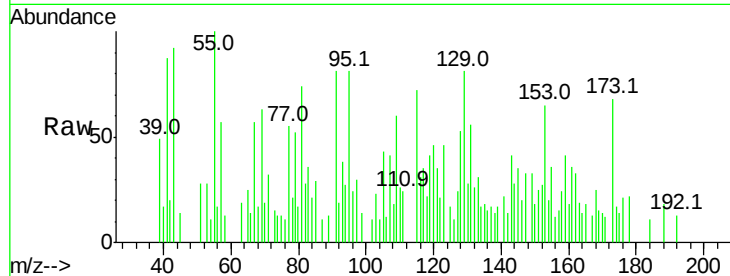




#53
 2,4-Dinitrophenol
 Concen: 5.879 ng
 RT: 10.05 min Scan# 1353
 Delta R.T. 0.08 min
 Lab File: BF099180.D
 Acq: 7 Oct 2017 7:02

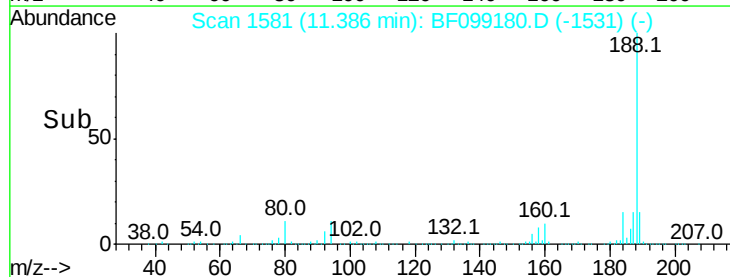
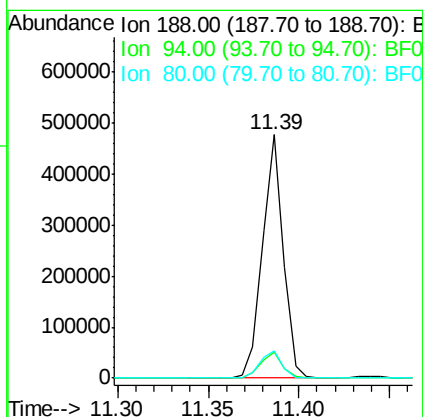
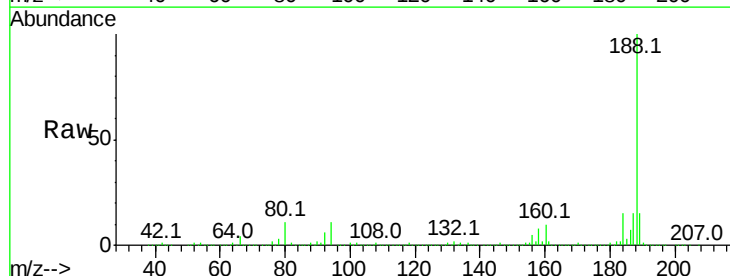
Instrument :
 BNA_F
 ClientSampled :

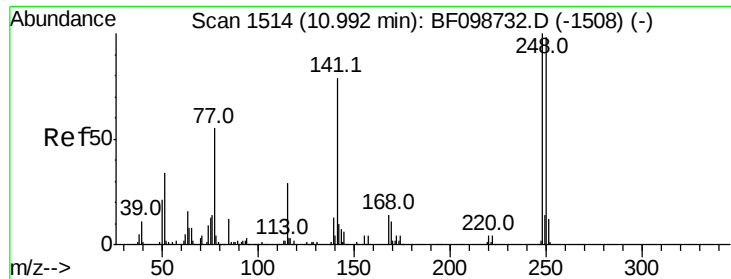
Tot Ion:184 Resp: 116
 Ion Ratio Lower Upper
 184 100
 63 162.5 54.2 81.2#
 154 170.7 53.5 80.3#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099180.D
 Acq: 7 Oct 2017 7:02

Tgt Ion:188 Resp: 381450
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.4 9.2 13.8

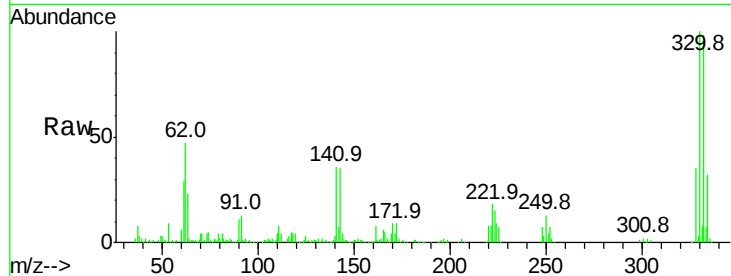




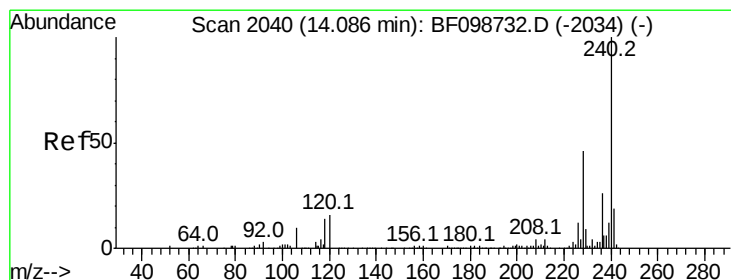
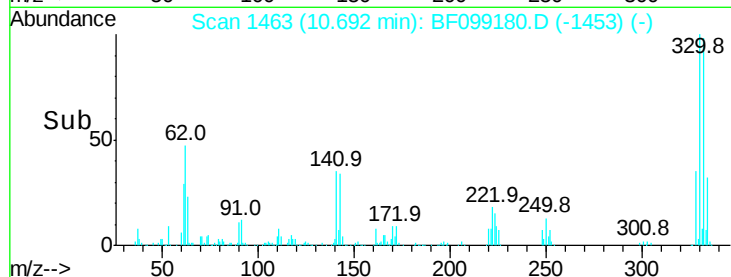
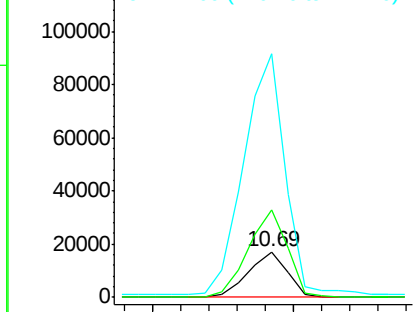
#66
4-Bromophenyl-phenylether
Concen: 4.424 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099180.D
Acq: 7 Oct 2017 7:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16518
Ion Ratio Lower Upper
248 100
250 189.9 76.9 115.3#
141 532.5 74.4 111.6#

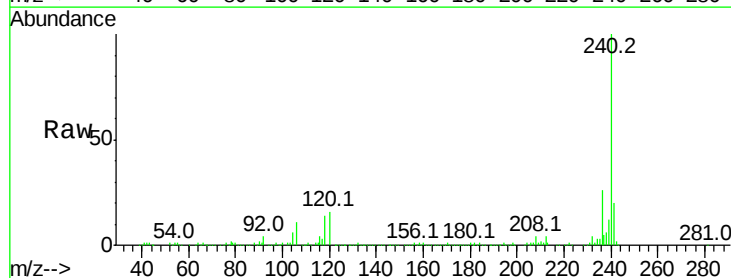


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

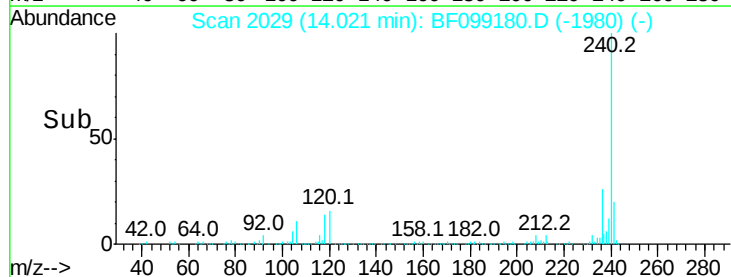
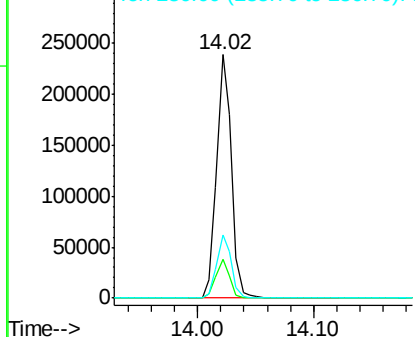


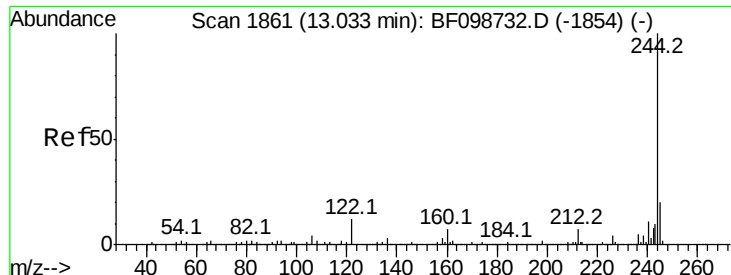
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF099180.D
Acq: 7 Oct 2017 7:02

Tgt Ion:240 Resp: 212436
Ion Ratio Lower Upper
240 100
120 16.0 9.5 14.3#
236 26.1 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





#78

Terphenyl-d14

Concen: 96.170 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099180.D

Acq: 7 Oct 2017 7:02

Instrument :

BNA_F

ClientSampleId :

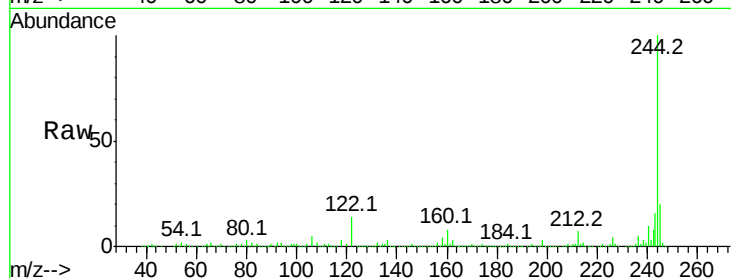
Tot Ion:244 Resp: 898336

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

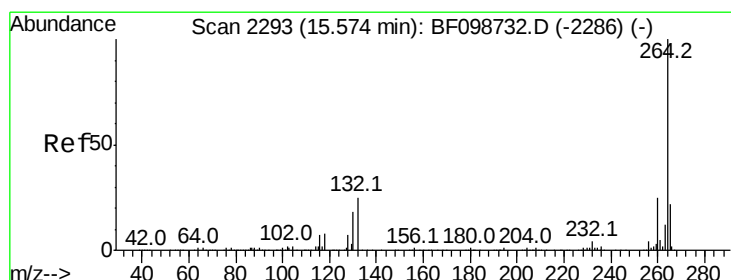
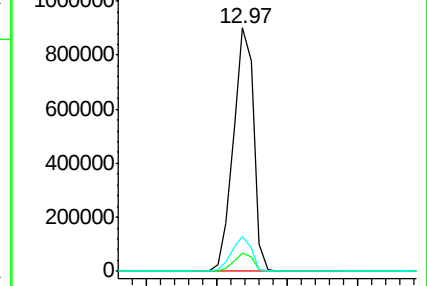
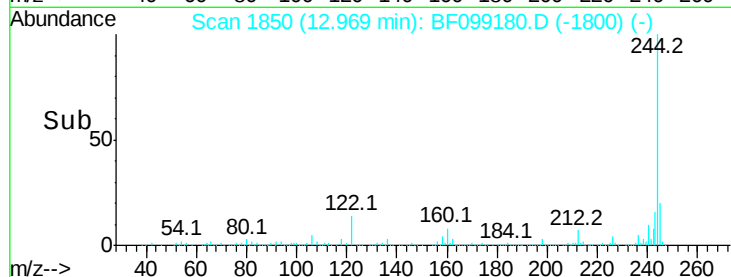
122 14.4 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF099180.D

Acq: 7 Oct 2017 7:02

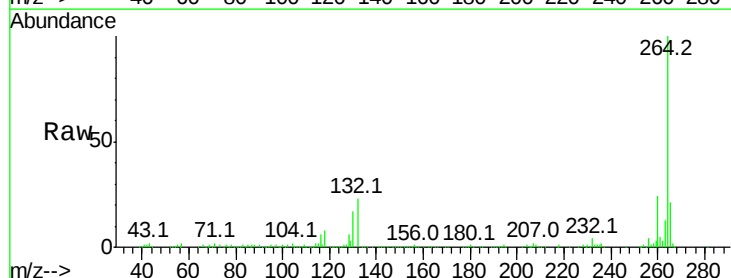
Tgt Ion:264 Resp: 233724

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.2 17.5 26.3



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

