

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099982.D
 Acq On : 31 Oct 2017 2:02
 Operator : SJ/JU
 Sample : I6083-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 02:33:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

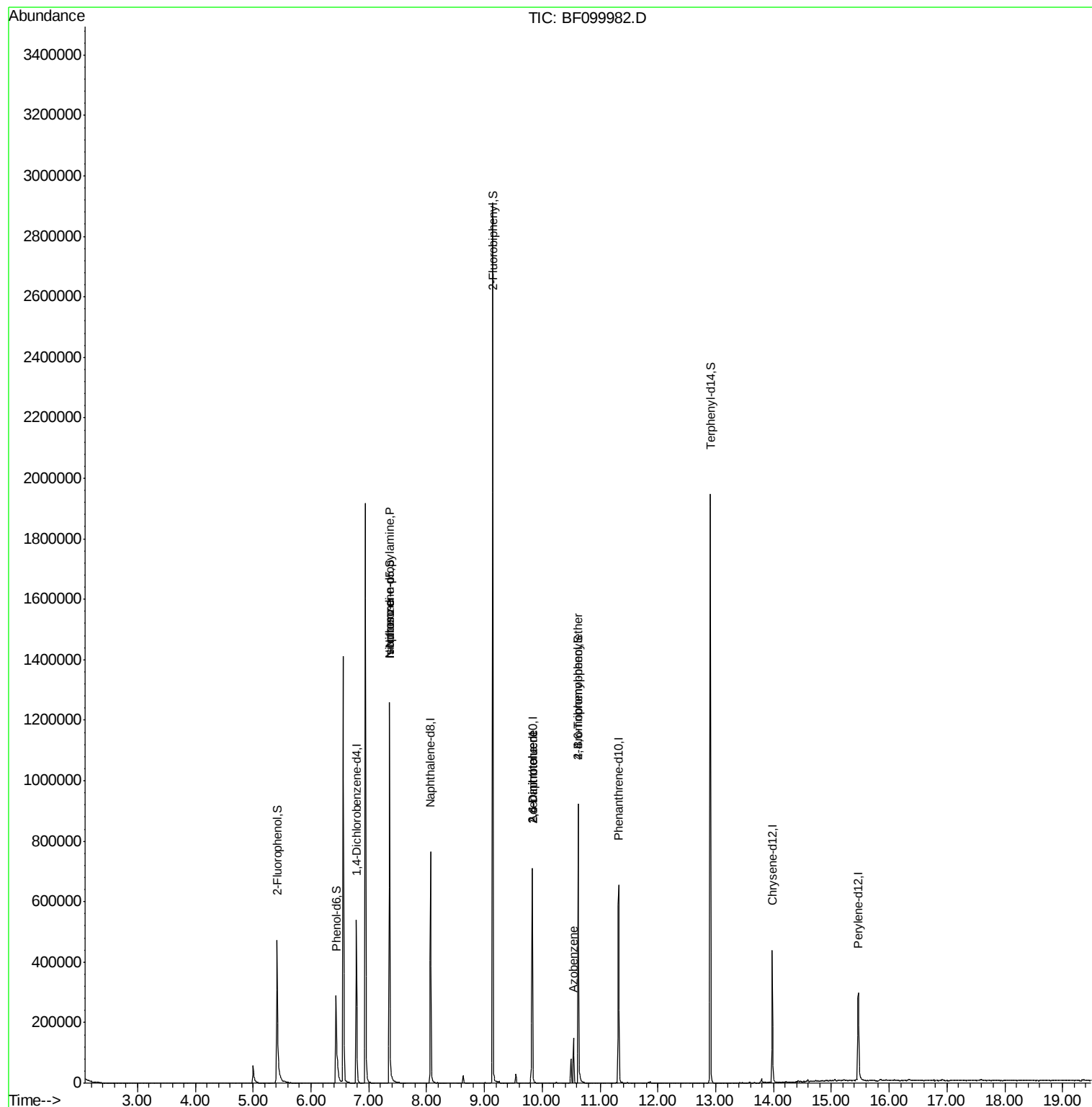
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	87944	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	351894	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	155770	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	255551	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	165679	20.00	ng	-0.01
86) Perylene-d12	15.47	264	152691	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	230176	41.09	ng	0.00
7) Phenol-d6	6.43	99	181631	27.35	ng	0.00
23) Nitrobenzene-d5	7.36	82	489334	89.53	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	117749	82.95	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	936095	92.72	ng	-0.01
78) Terphenyl-d14	12.91	244	745937	98.39	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	59187	15.206	ng	# 70
25) Isophorone	7.36	82	489334	49.337	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	19757	7.619	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	19757	6.326	ng	# 21
62) Azobenzene	10.54	77	24281	2.404	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	7541	2.803	ng	# 1

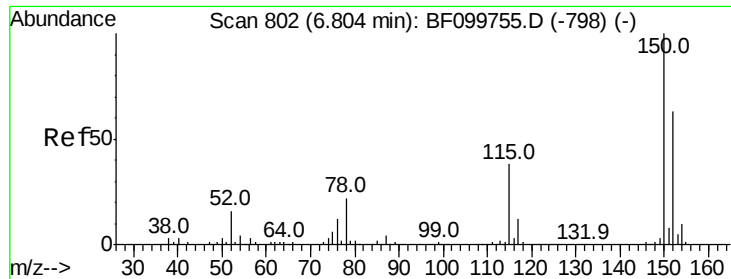
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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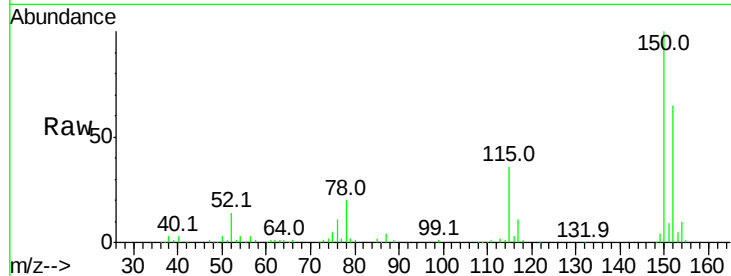


#1

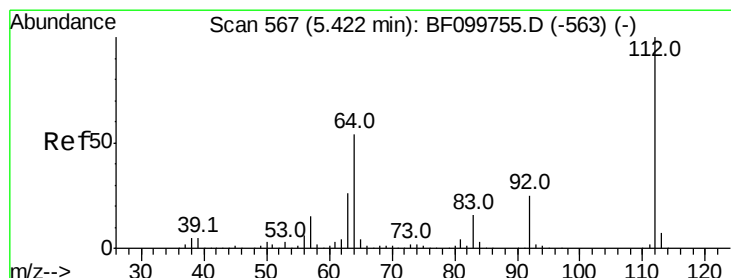
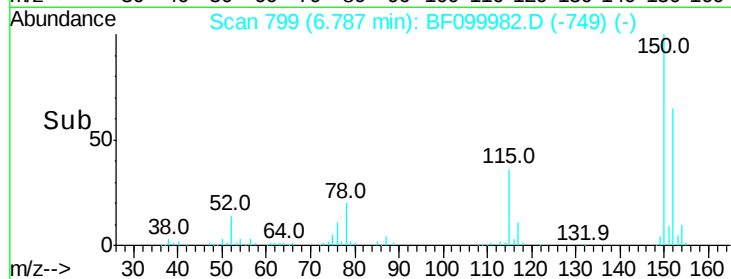
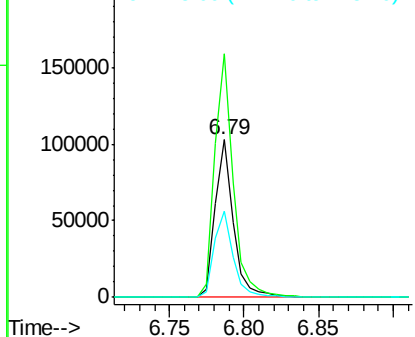
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099982.D
Acq: 31 Oct 2017 2:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 87944
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 55.2 50.1 75.1



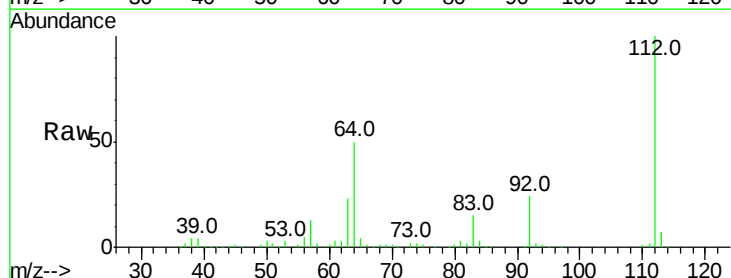
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



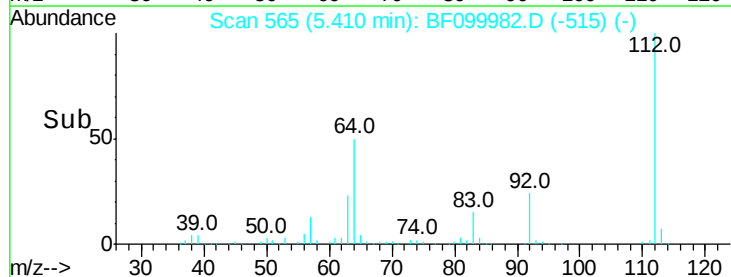
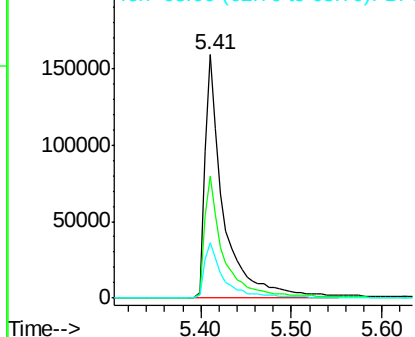
#5

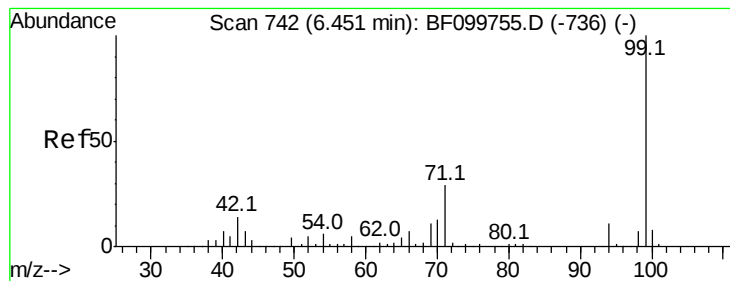
2-Fluorophenol
Concen: 41.091 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF099982.D
Acq: 31 Oct 2017 2:02

Tgt Ion:112 Resp: 230176
Ion Ratio Lower Upper
112 100
64 50.0 47.9 71.9
63 23.0 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: 27.346 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099982.D

Acq: 31 Oct 2017 2:02

Instrument :

BNA_F

ClientSampleId :

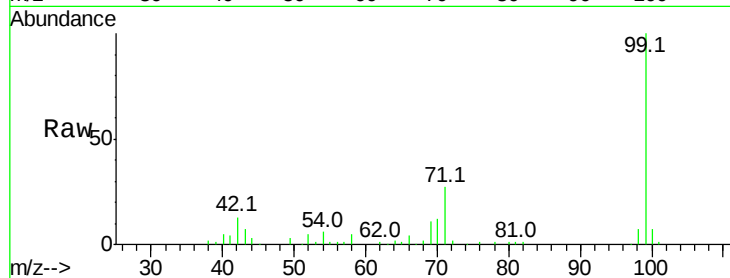
Tot Ion: 99 Resp: 181631

Ion Ratio Lower Upper

99 100

42 12.6 14.5 21.7#

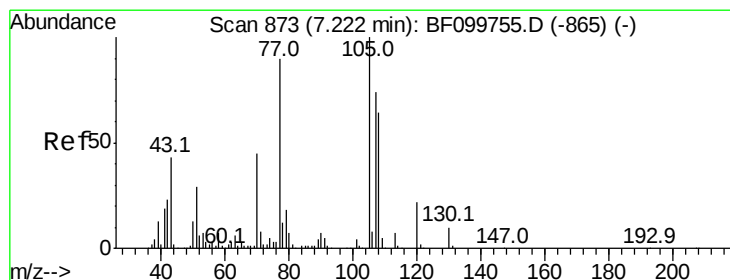
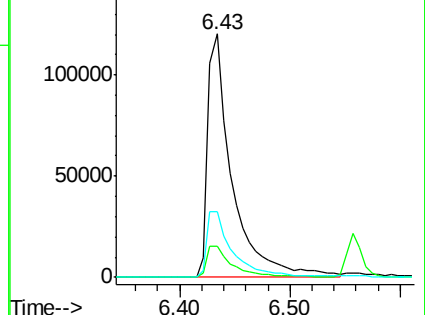
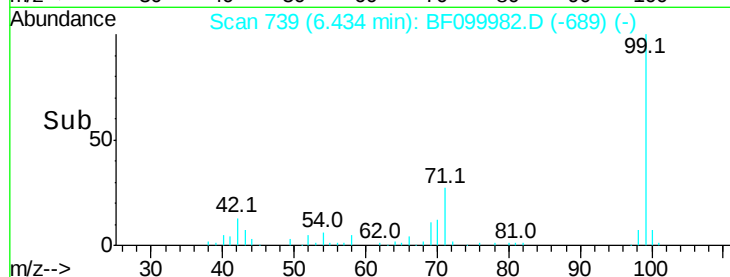
71 26.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.206 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099982.D

Acq: 31 Oct 2017 2:02

Tgt Ion: 70 Resp: 59187

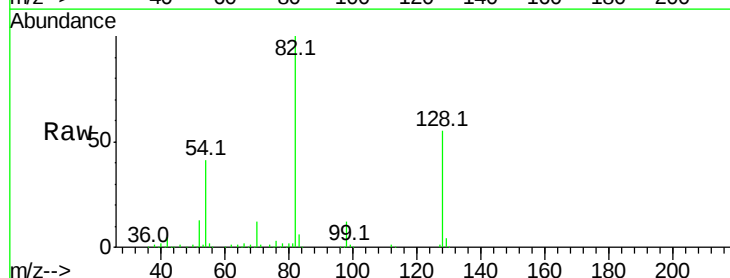
Ion Ratio Lower Upper

70 100

42 38.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

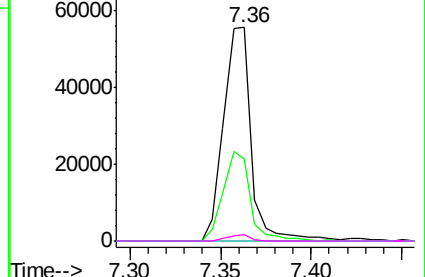
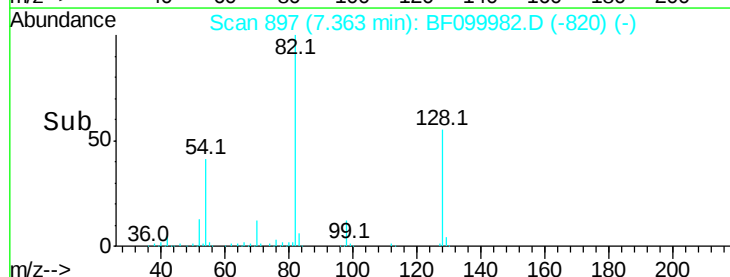


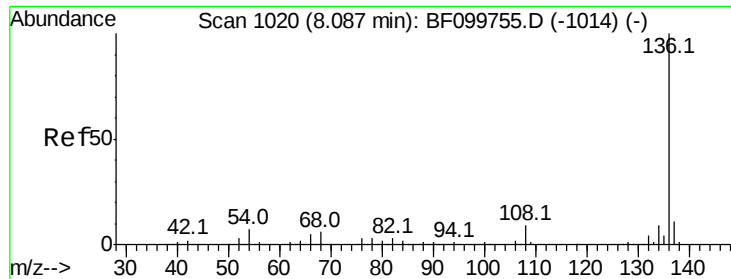
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

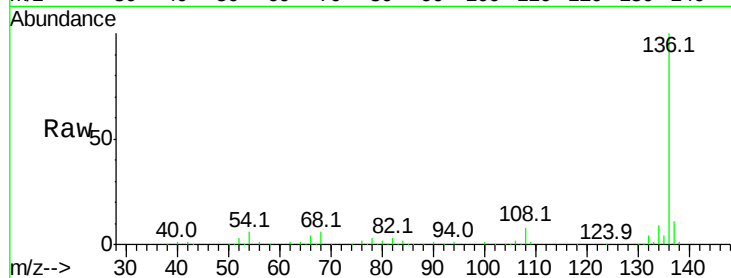




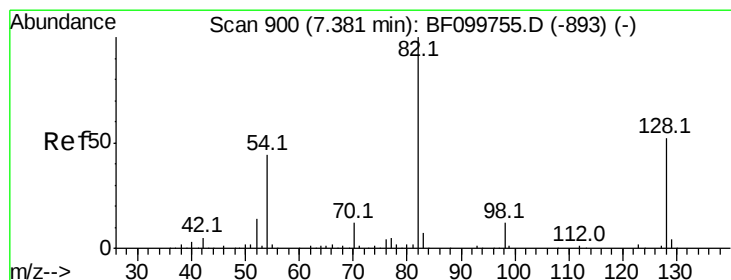
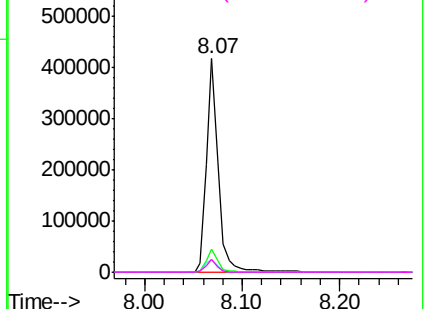
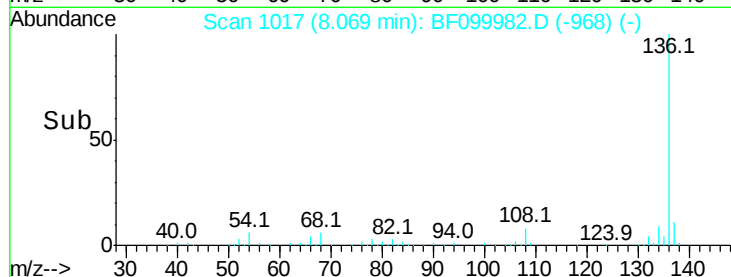
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099982.D
Acq: 31 Oct 2017 2:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	351894
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.2	6.6	9.8#
68	5.8	5.0	7.4

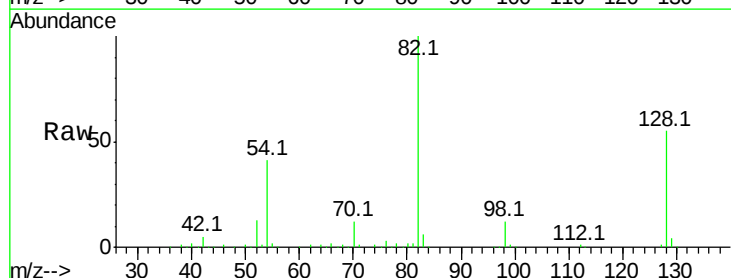


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

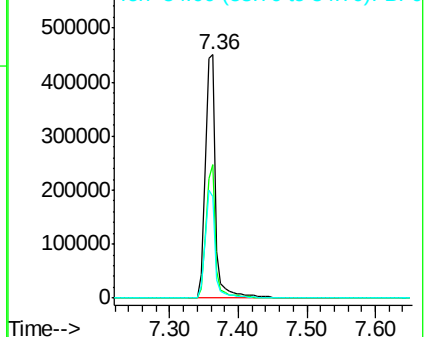
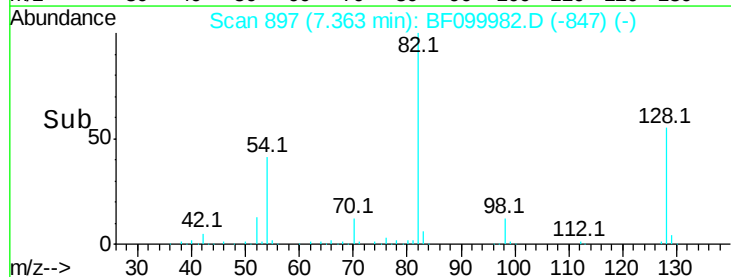


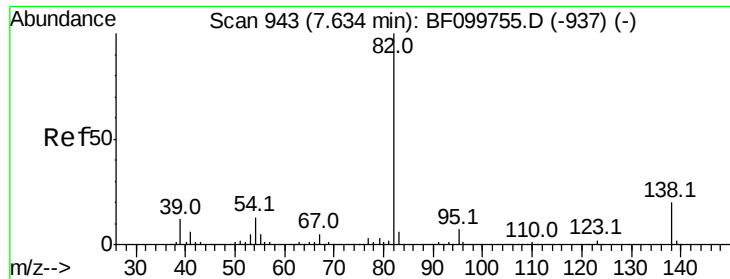
#23
Nitrobenzene-d5
Concen: 89.526 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099982.D
Acq: 31 Oct 2017 2:02

Tgt Ion:	82	Resp:	489334
Ion	Ratio	Lower	Upper
82	100		
128	54.9	36.1	54.1#
54	41.5	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: 49.337 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF099982.D

Acq: 31 Oct 2017 2:02

Instrument :

BNA_F

ClientSampled :

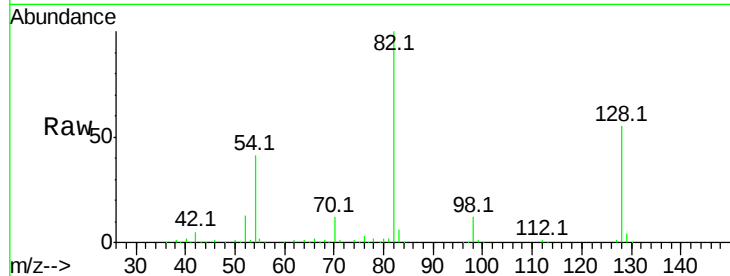
Tot Ion: 82 Resp: 489334

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

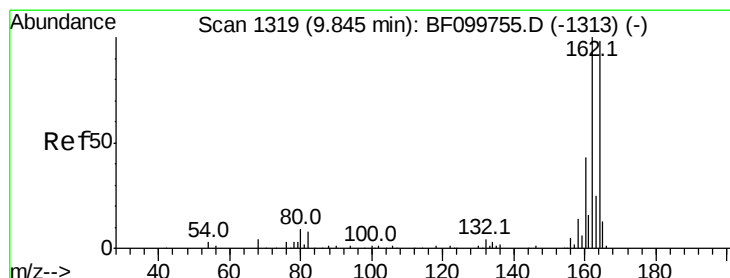
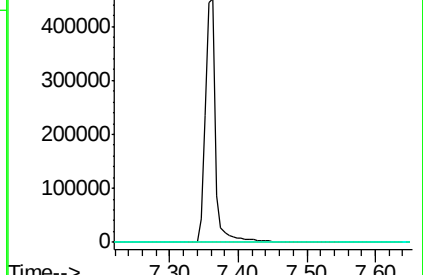
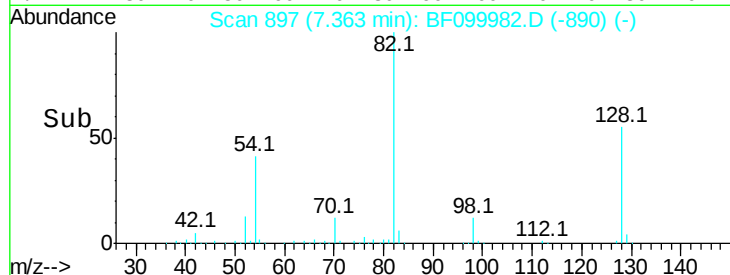
138 0.0 14.9 22.3#



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: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099982.D

Acq: 31 Oct 2017 2:02

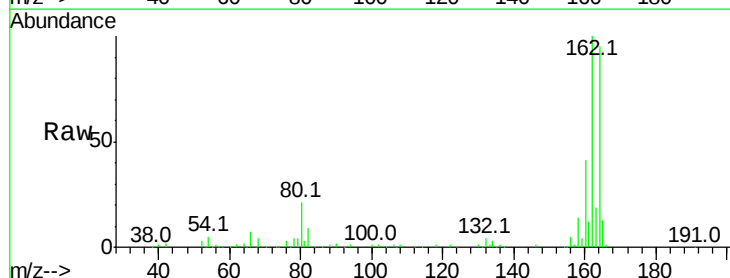
Tgt Ion:164 Resp: 155770

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

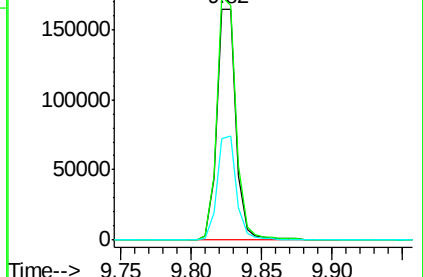
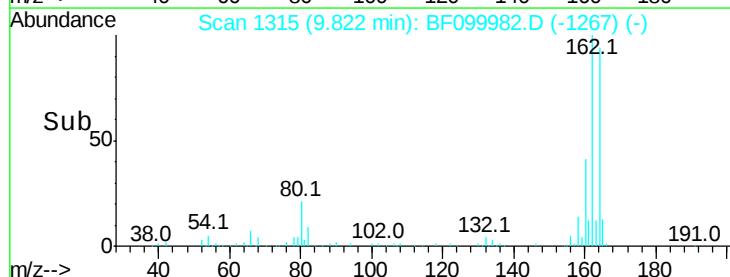
160 43.7 38.3 57.5

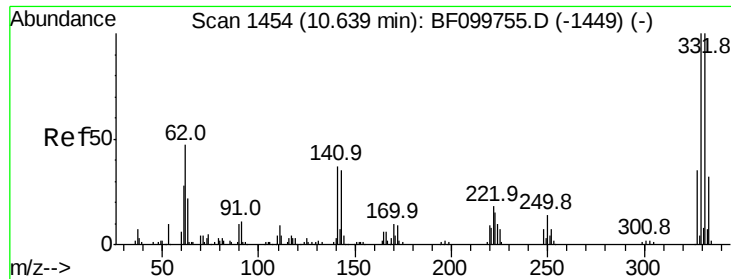


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

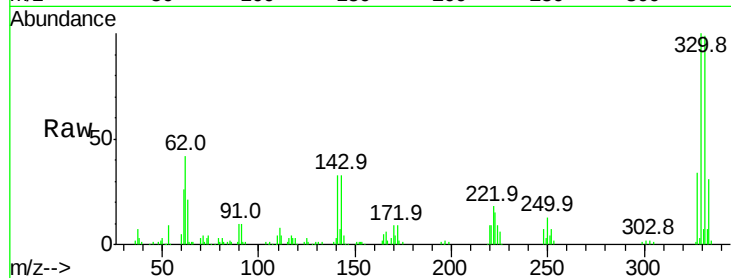




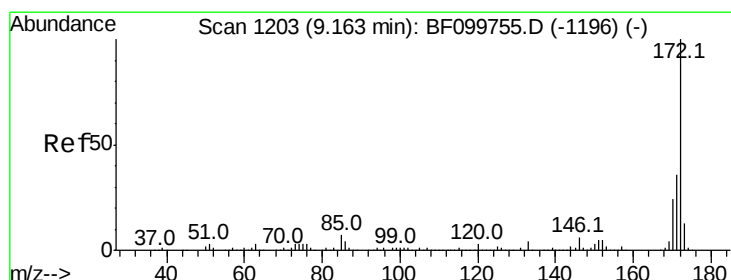
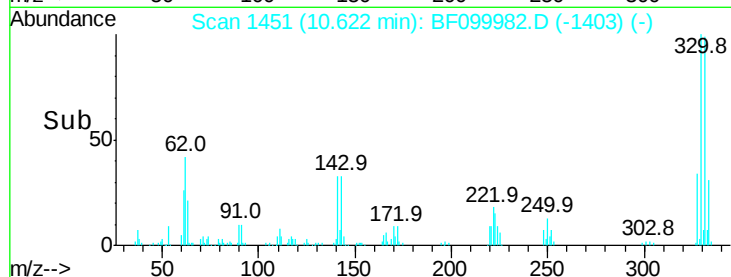
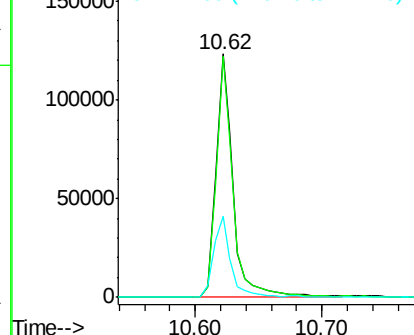
#41
 2,4,6-Tribromophenol
 Concen: 82.948 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: BF099982.D
 Acq: 31 Oct 2017 2:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	34.0	29.9	44.9

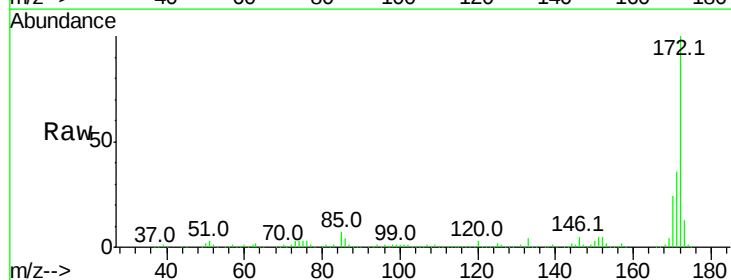


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

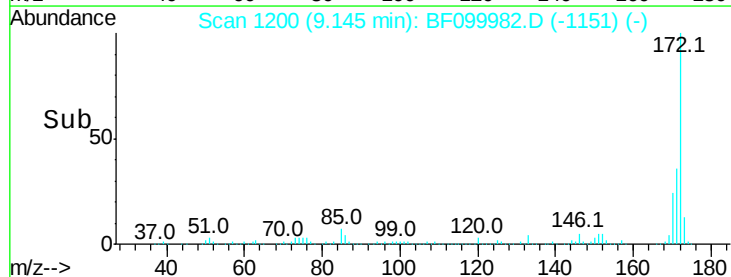
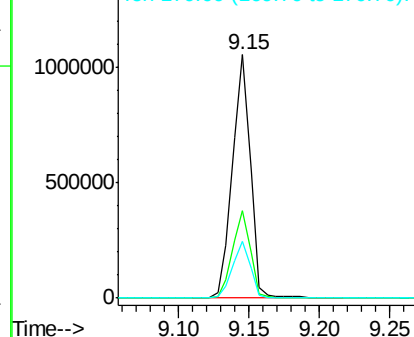


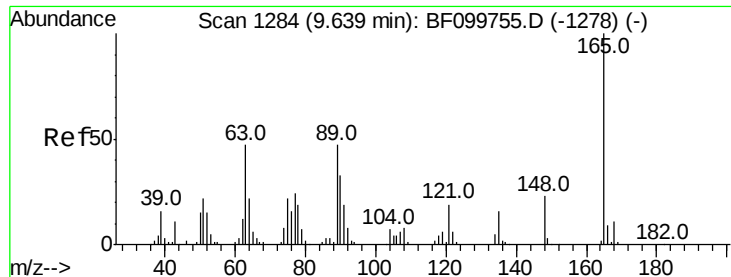
#44
 2-Fluorobiphenyl
 Concen: 92.716 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099982.D
 Acq: 31 Oct 2017 2:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.5	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

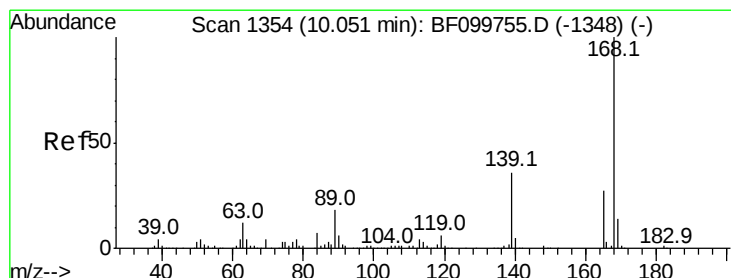
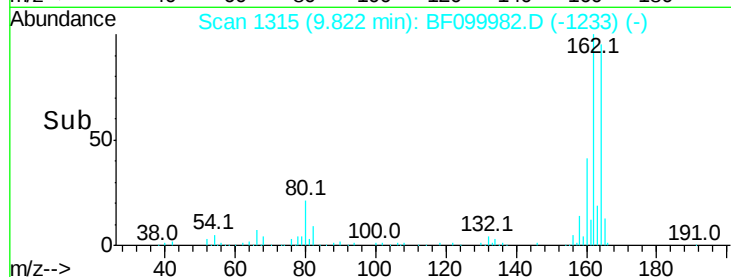
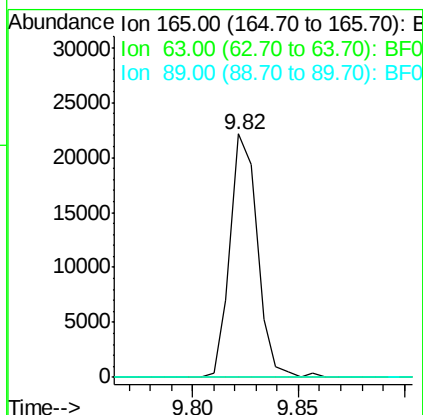
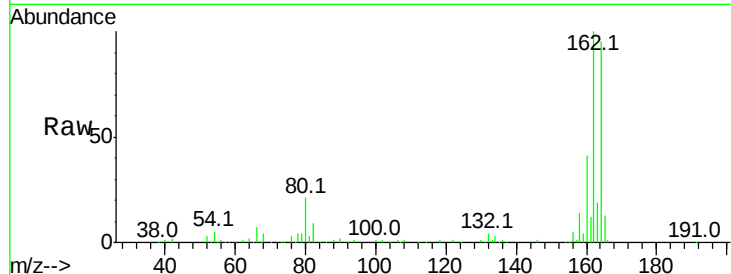




#50
 2,6-Dinitrotoluene
 Concen: 7.619 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.18 min
 Lab File: BF099982.D
 Acq: 31 Oct 2017 2:02

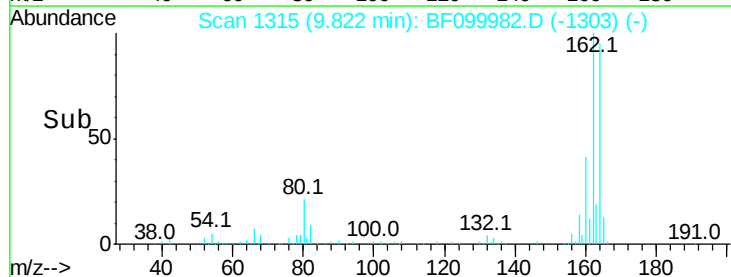
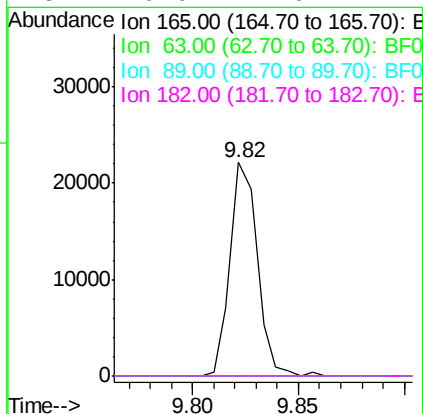
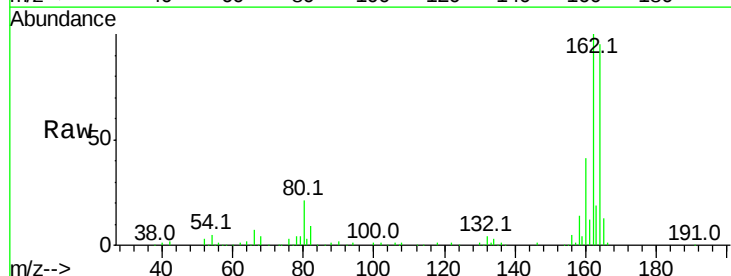
Instrument :
 BNA_F
 ClientSampleId :

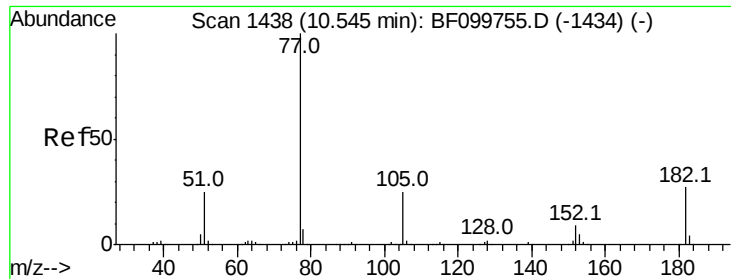
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.326 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.23 min
 Lab File: BF099982.D
 Acq: 31 Oct 2017 2:02

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





#62

Azobenzene

Concen: 2.404 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF099982.D

Acq: 31 Oct 2017 2:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 24281

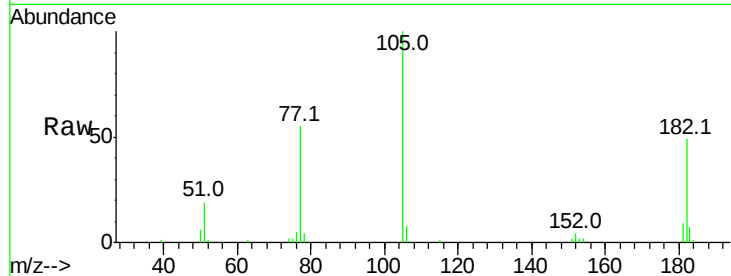
Ion Ratio Lower Upper

77 100

182 88.7 1.7 41.7#

105 181.6 3.0 43.0#

51 34.0 9.9 49.9

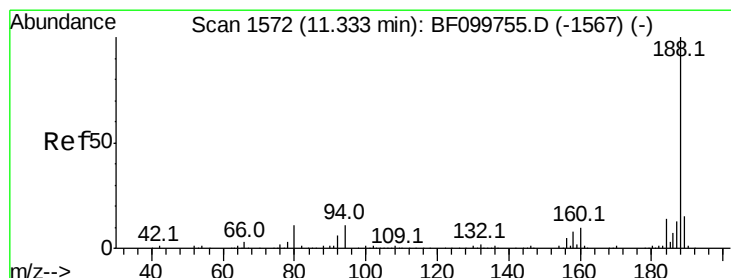
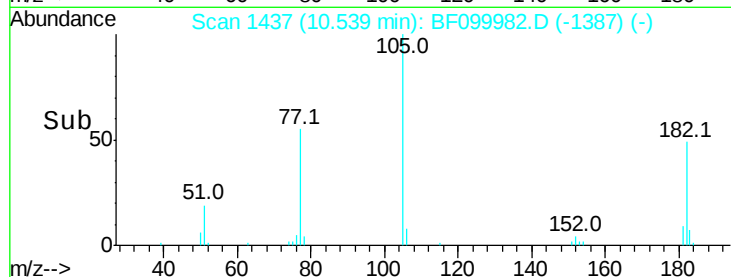
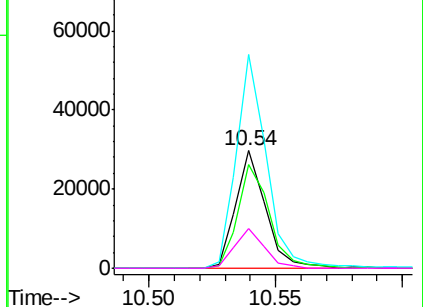


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF099982.D

Acq: 31 Oct 2017 2:02

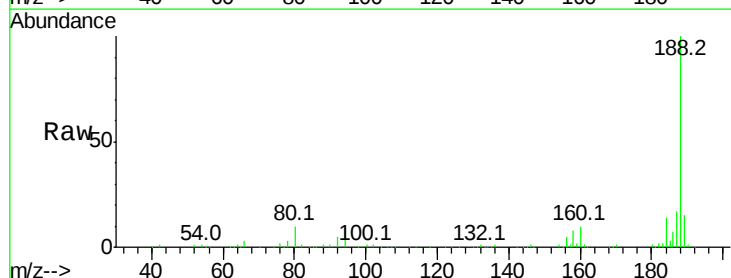
Tgt Ion: 188 Resp: 255551

Ion Ratio Lower Upper

188 100

94 9.3 8.5 12.7

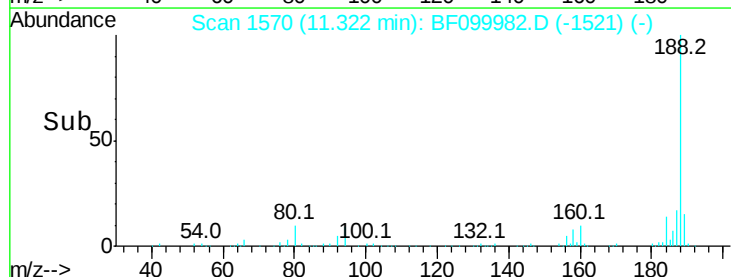
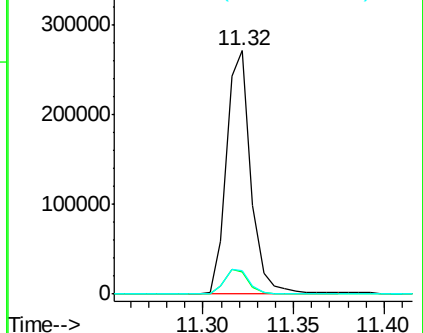
80 9.7 9.2 13.8

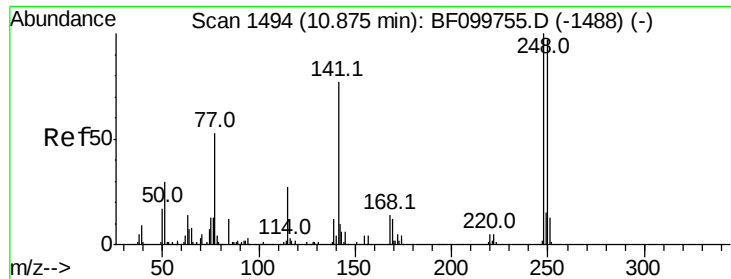


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

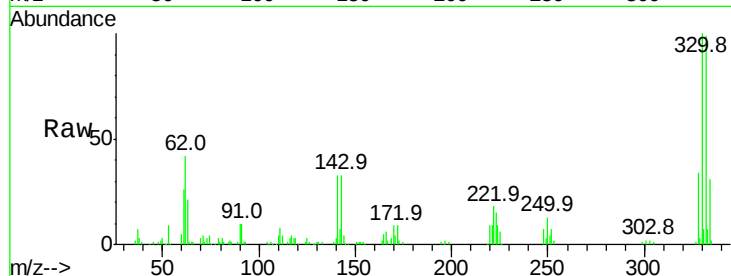




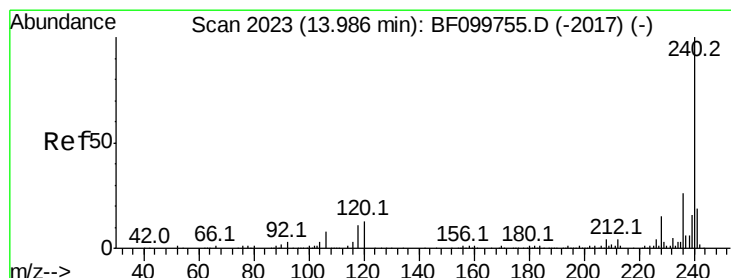
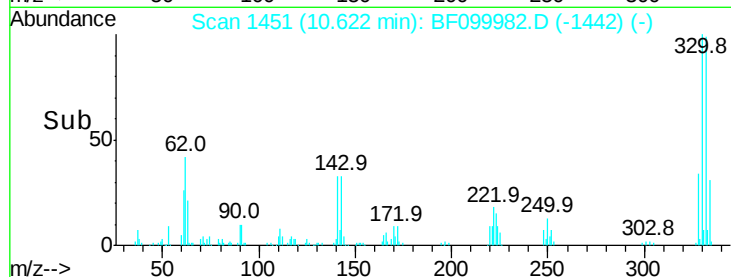
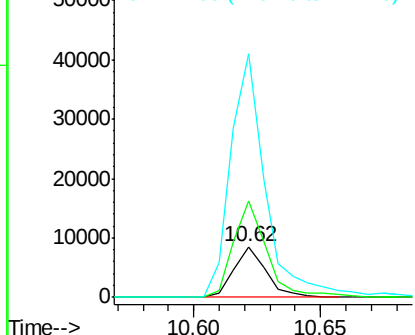
#66
4-Bromophenyl-phenylether
Concen: 2.803 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BF099982.D
Acq: 31 Oct 2017 2:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 7541
Ion Ratio Lower Upper
248 100
250 190.8 76.9 115.3#
141 479.2 74.4 111.6#

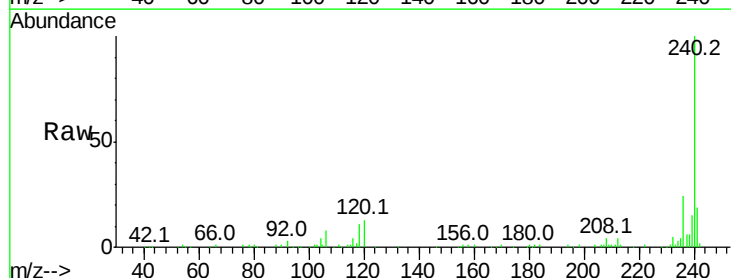


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

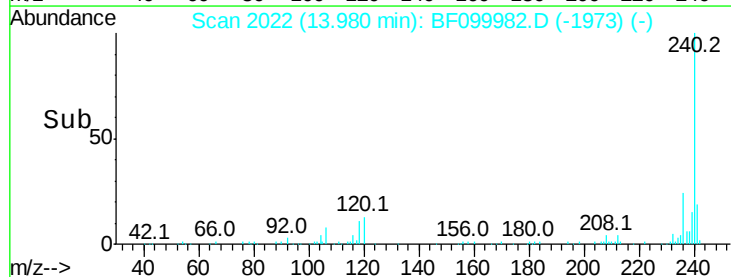
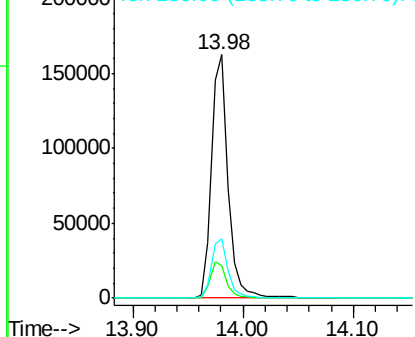


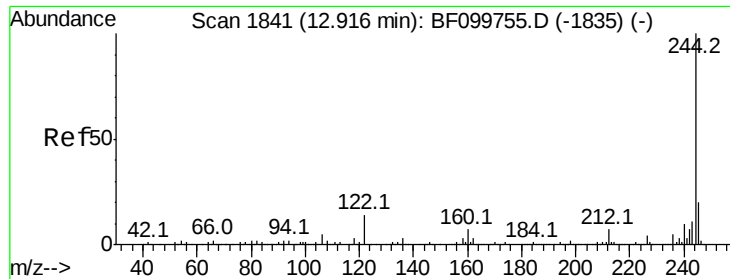
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099982.D
Acq: 31 Oct 2017 2:02

Tgt Ion:240 Resp: 165679
Ion Ratio Lower Upper
240 100
120 13.3 9.5 14.3
236 24.4 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: 98.392 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF099982.D

Acq: 31 Oct 2017 2:02

Instrument :

BNA_F

ClientSampleId :

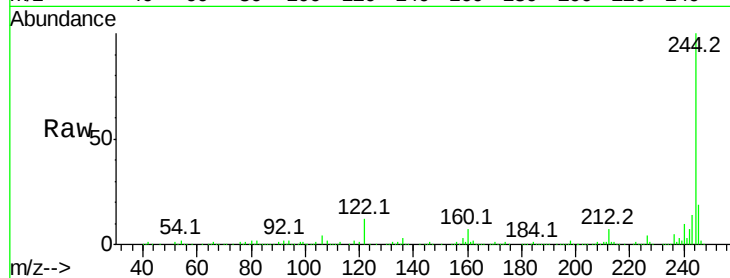
Tot Ion:244 Resp: 745937

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

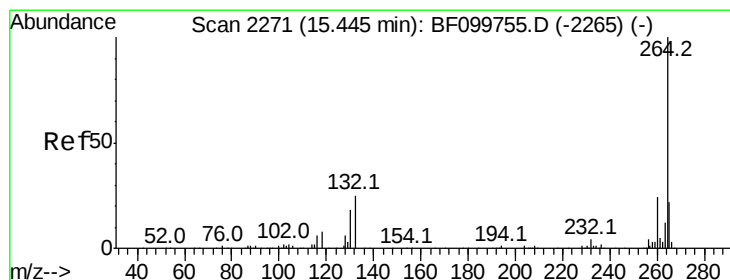
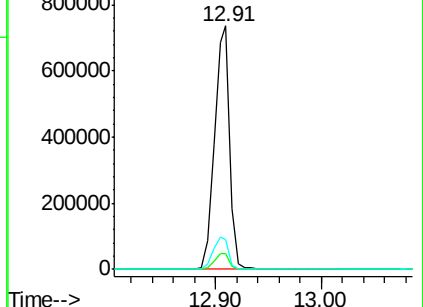
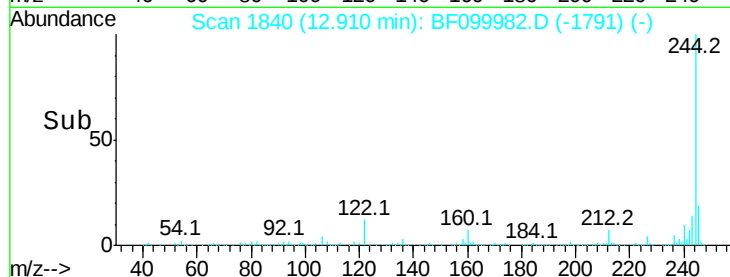
122 12.2 11.0 16.4



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: 15.47 min Scan# 2275

Delta R.T. 0.01 min

Lab File: BF099982.D

Acq: 31 Oct 2017 2:02

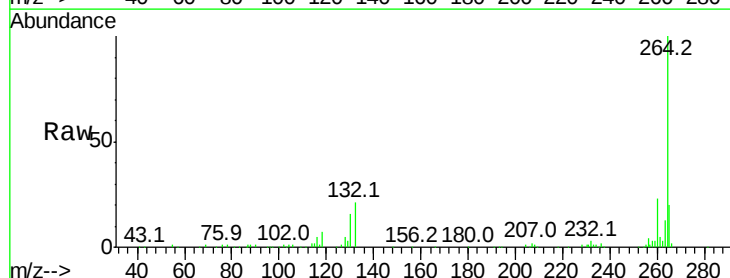
Tgt Ion:264 Resp: 152691

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 20.0 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

