

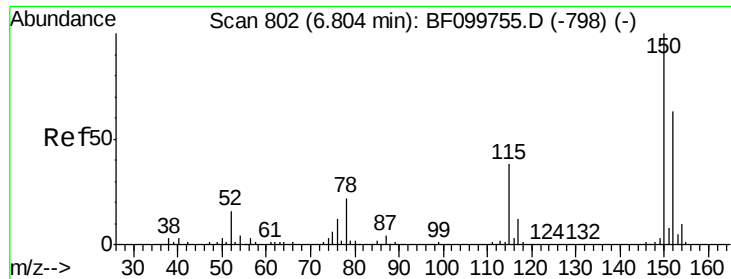
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099899.D
 Acq On : 28 Oct 2017 2:26
 Operator : SJ/JU
 Sample : I6029-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 28 03:53:24 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	101582	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	413409	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	184584	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	295218	20.00	ng	0.00
75) Chrysene-d12	13.99	240	186032	20.00	ng	0.00
86) Perylene-d12	15.46	264	193216	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	777635	120.18	ng	0.00
7) Phenol-d6	6.45	99	931928	121.47	ng	0.00
23) Nitrobenzene-d5	7.37	82	525626	81.86	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	186893	111.10	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	926733	77.46	ng	0.00
78) Terphenyl-d14	12.92	244	630569	74.07	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.57	77	14130	3.08	ng	85
10) Phenol	6.46	94	51718	6.14	ng	93
19) n-Nitroso-di-n-propylamine	7.37	70	65072	14.47	ng	# 71
25) Isophorone	7.37	82	524371	45.00	ng	# 64
49) Dimethylphthalate	9.56	163	181476	12.41	ng	98
53) 2,4-Dinitrophenol	10.12	184	262	5.96	ng	# 54
62) Azobenzene	10.56	77	48778	4.08	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	11594	3.73	ng	# 1

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

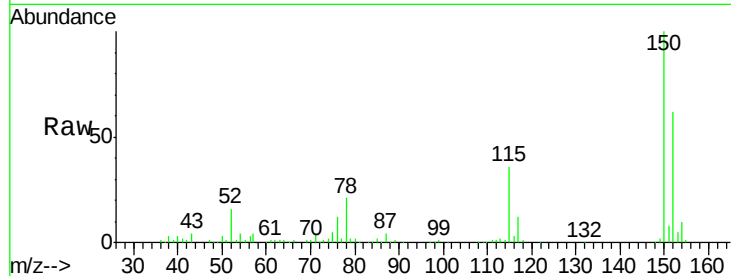


#1

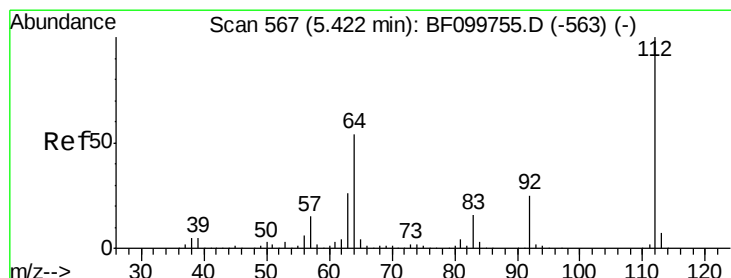
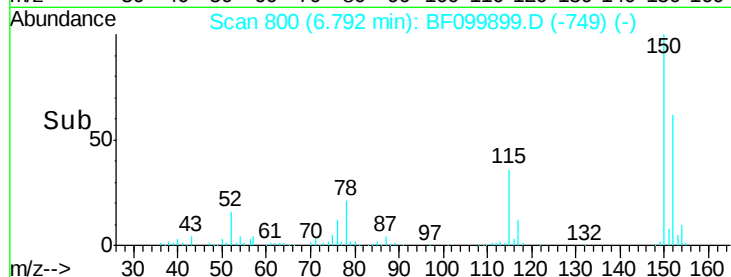
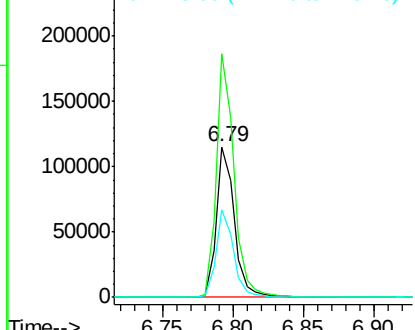
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF099899.D
Acq: 28 Oct 2017 2:26

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	124.6	186.8
115	58.0	50.1	75.1



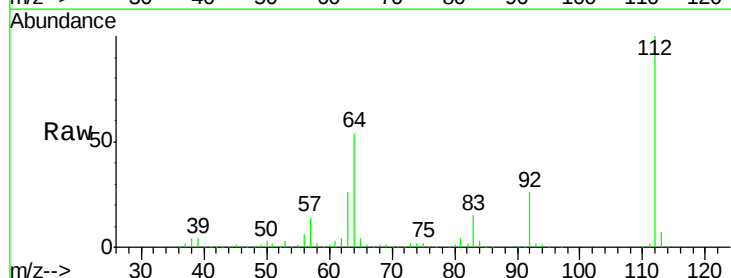
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



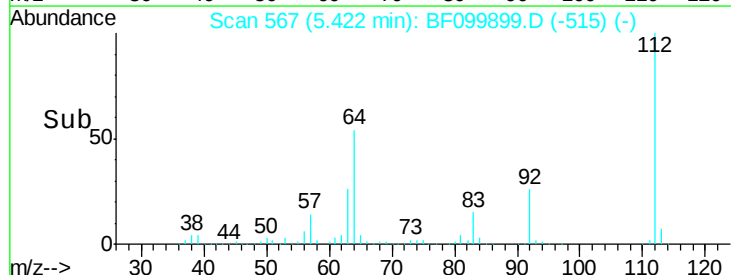
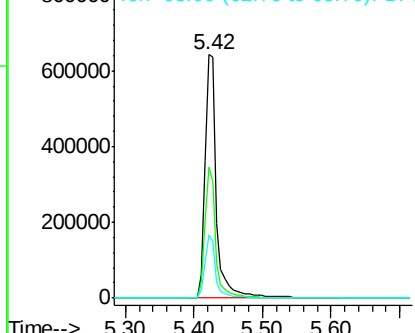
#5

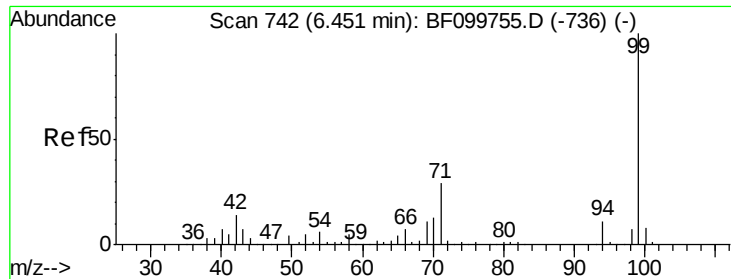
2-Fluorophenol
Concen: 120.18 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF099899.D
Acq: 28 Oct 2017 2:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	47.9	71.9
63	25.7	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: 121.47 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

Instrument :

BNA_F

ClientSampleId :

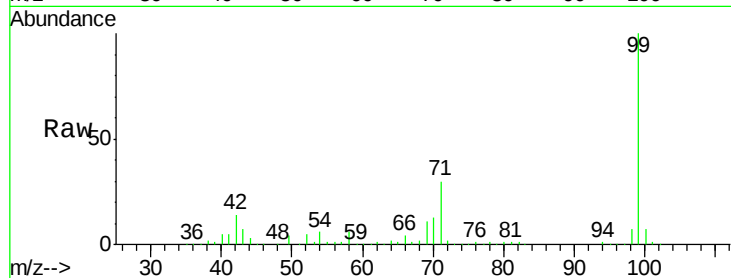
Tot Ion: 99 Resp: 931928

Ion Ratio Lower Upper

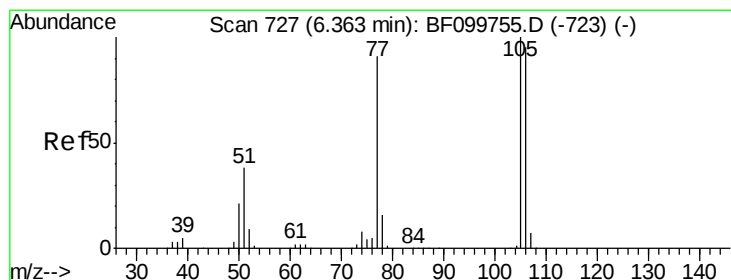
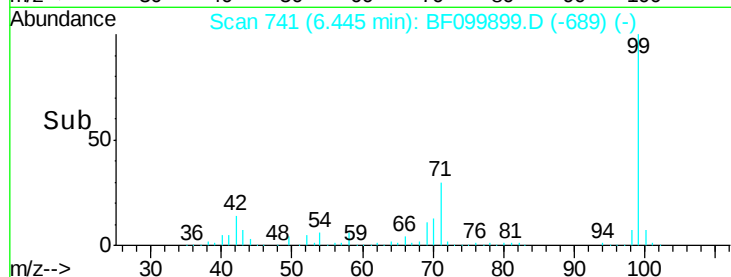
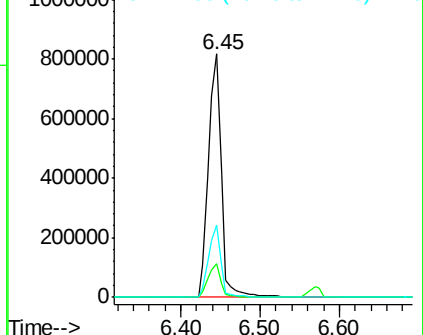
99 100

42 13.8 14.5 21.7#

71 29.5 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: 3.08 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.21 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

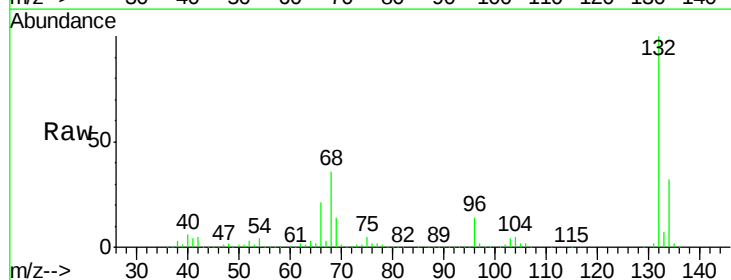
Tgt Ion: 77 Resp: 14130

Ion Ratio Lower Upper

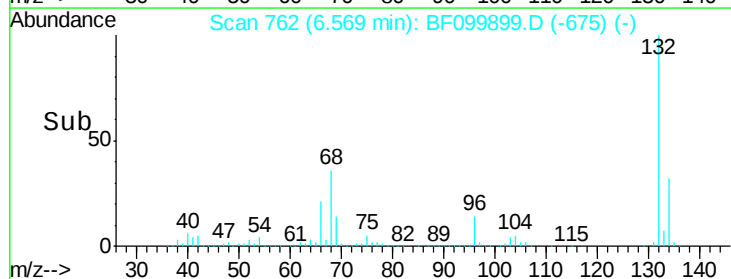
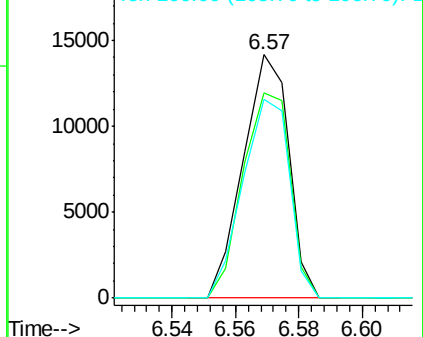
77 100

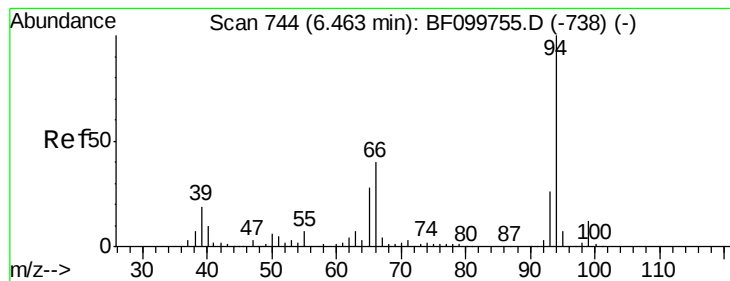
105 84.0 81.1 121.1

106 81.5 74.5 114.5



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





#10

Phenol

Concen: 6.14 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

Instrument :

BNA_F

ClientSampleId :

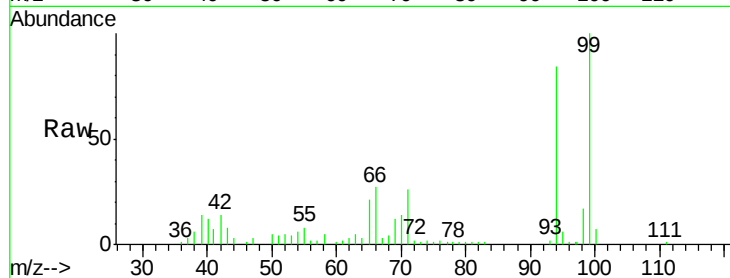
Tot Ion: 94 Resp: 51718

Ion Ratio Lower Upper

94 100

65 24.8 7.9 47.9

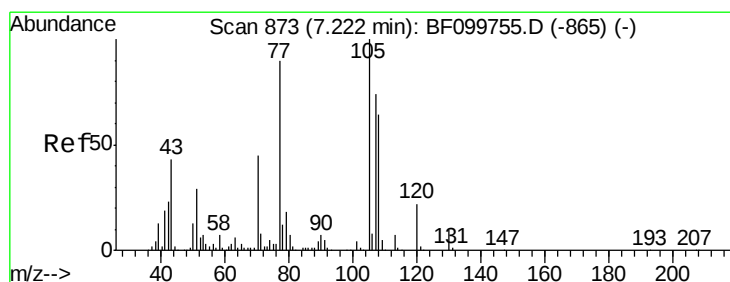
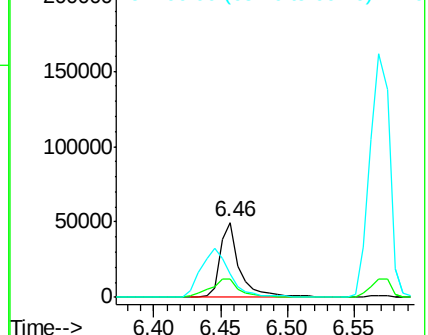
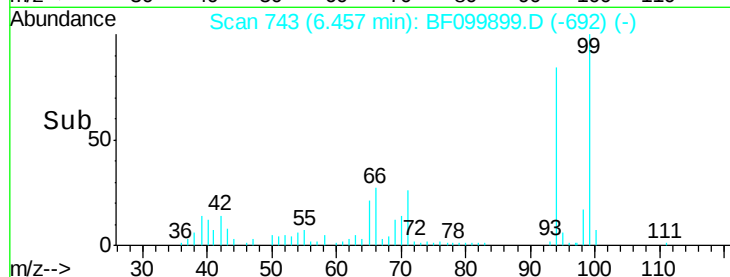
66 31.7 16.2 56.2



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: 14.47 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.16 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

Tgt Ion: 70 Resp: 65072

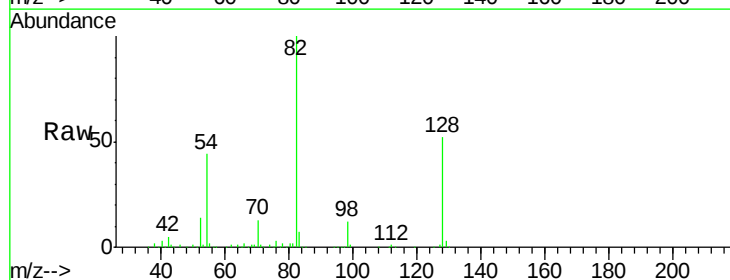
Ion Ratio Lower Upper

70 100

42 39.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

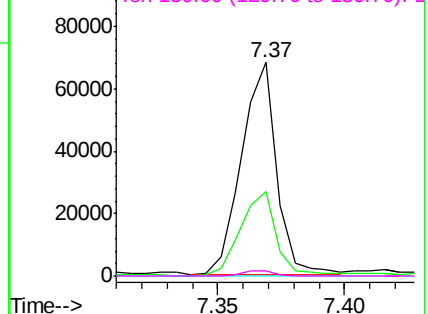
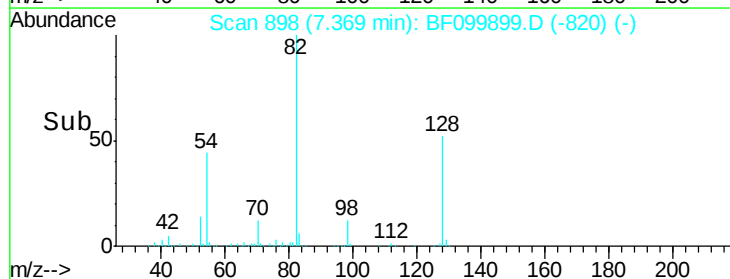


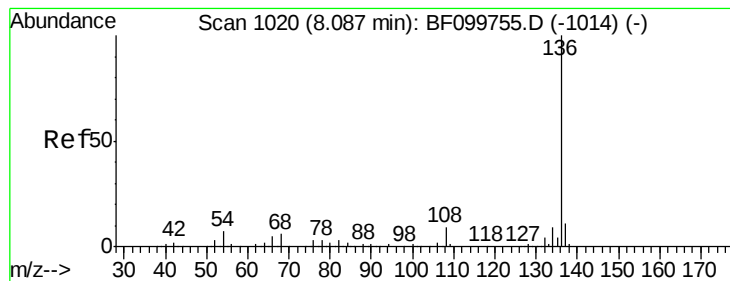
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 413409

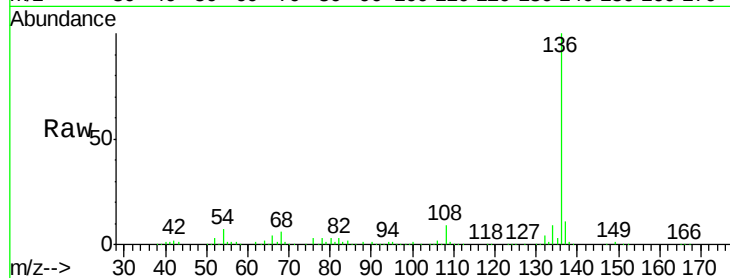
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.1 6.6 9.8

68 6.1 5.0 7.4

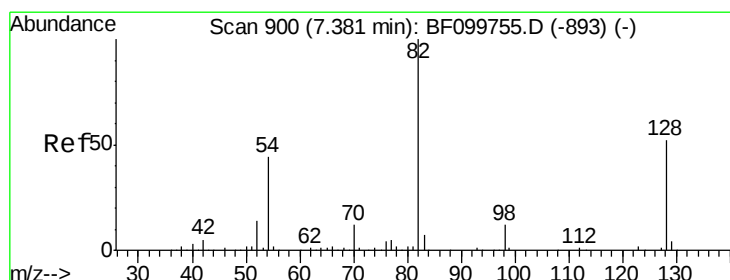
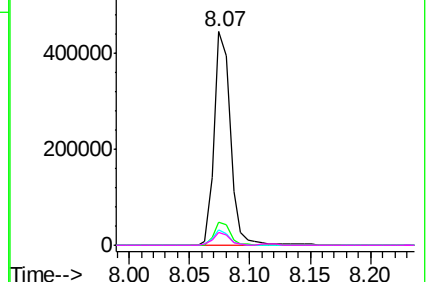
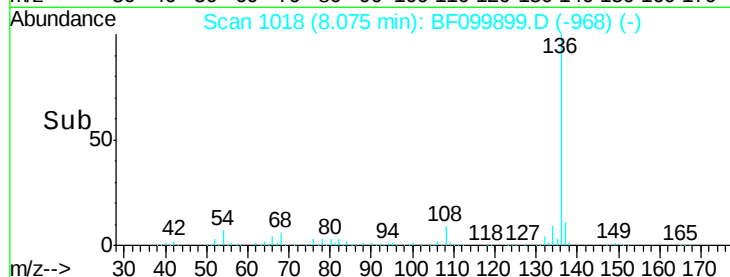


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.86 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.00 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

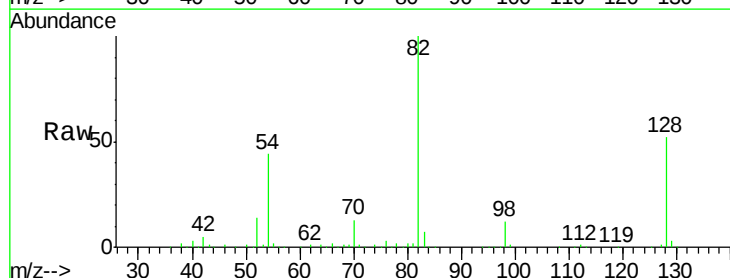
Tgt Ion: 82 Resp: 525626

Ion Ratio Lower Upper

82 100

128 51.8 36.1 54.1

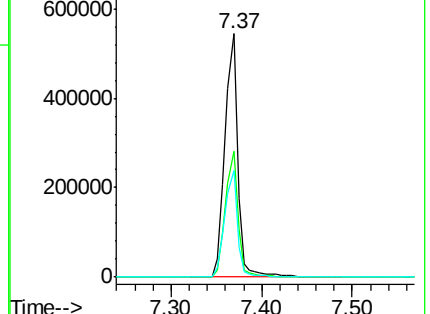
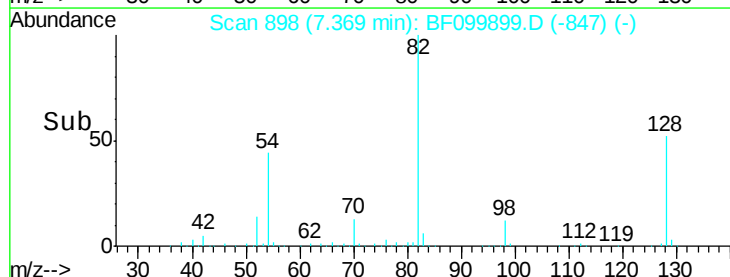
54 43.7 41.4 62.2

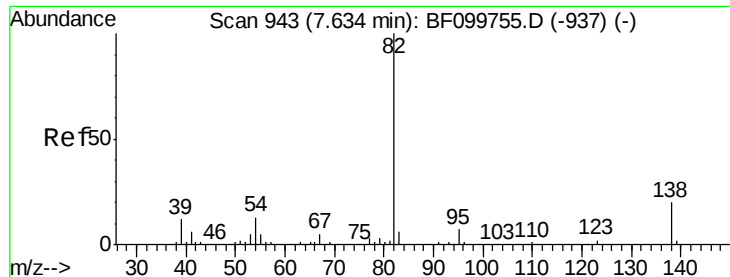


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 45.00 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.25 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

Instrument :

BNA_F

ClientSampleId :

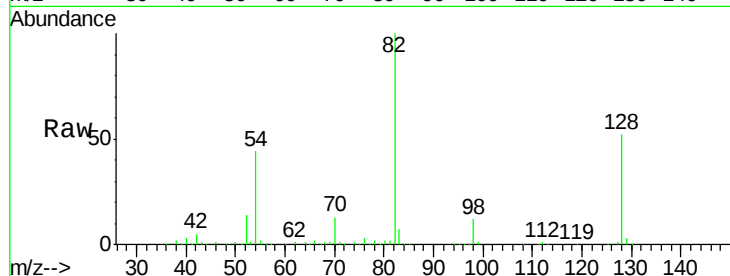
Tot Ion: 82 Resp: 524371

Ion Ratio Lower Upper

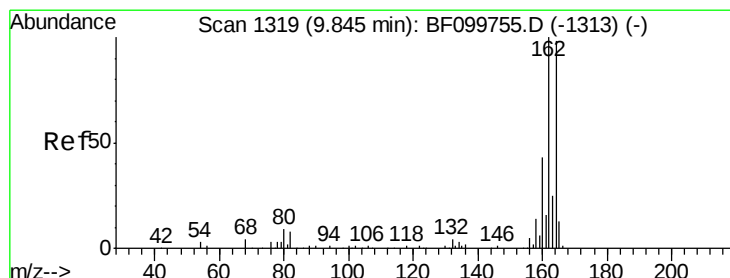
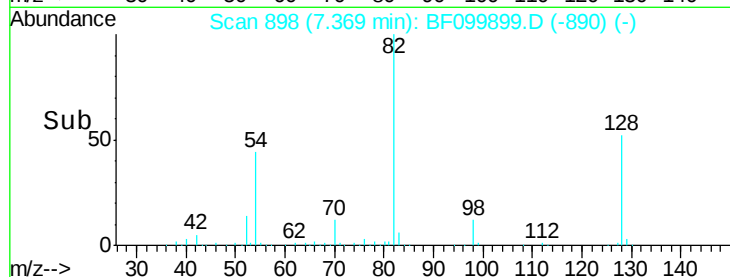
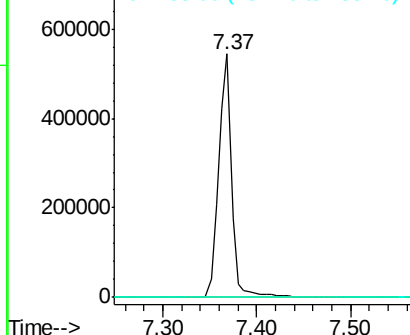
82 100

95 0.1 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: 9.84 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

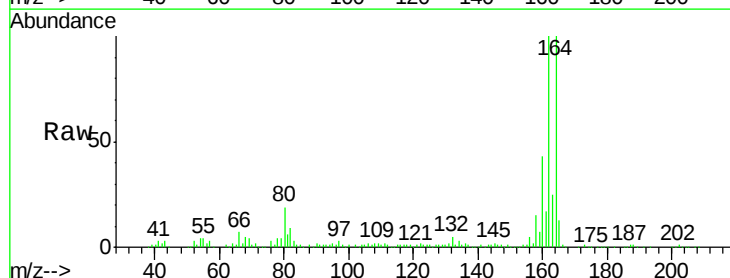
Tgt Ion:164 Resp: 184584

Ion Ratio Lower Upper

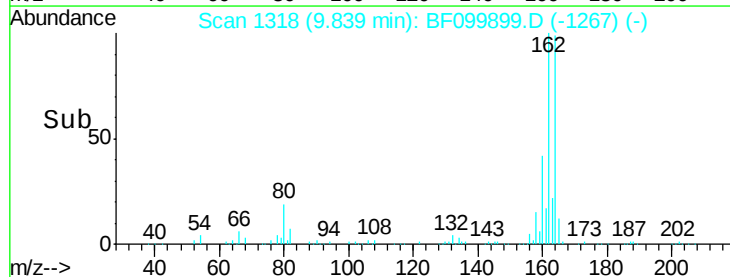
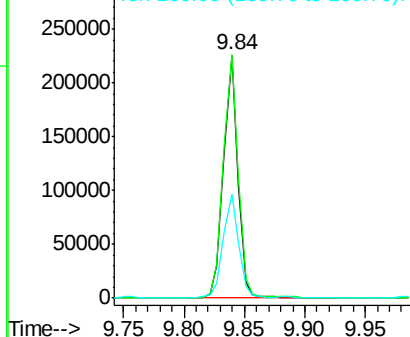
164 100

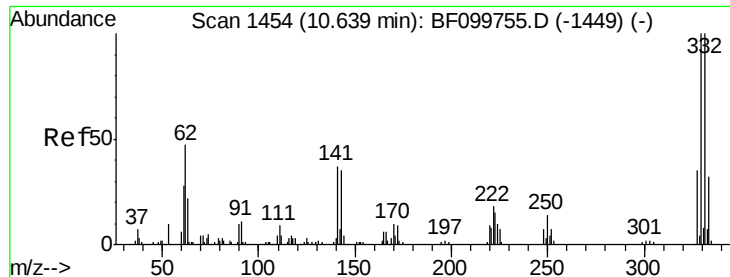
162 100.5 86.1 129.1

160 42.8 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

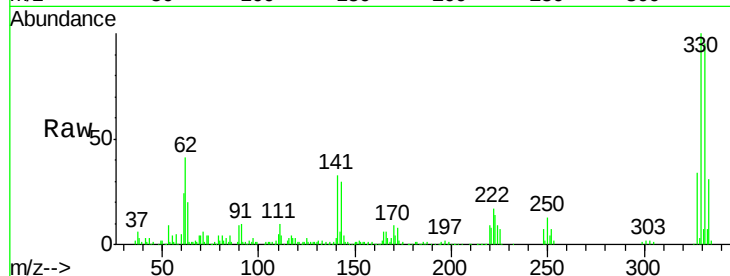




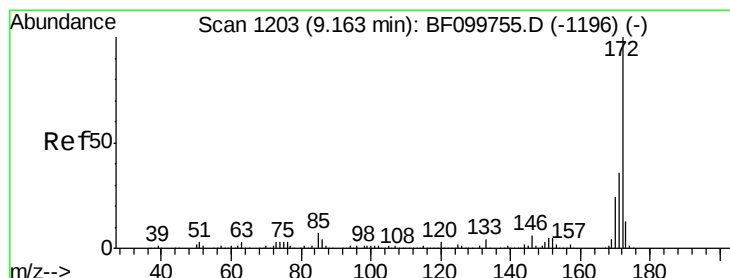
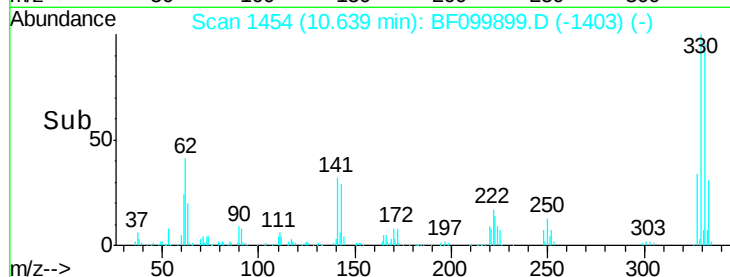
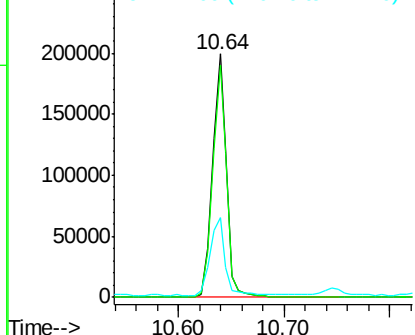
#41
 2,4,6-Tribromophenol
 Concen: 111.10 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF099899.D
 Acq: 28 Oct 2017 2:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	33.8	29.9	44.9

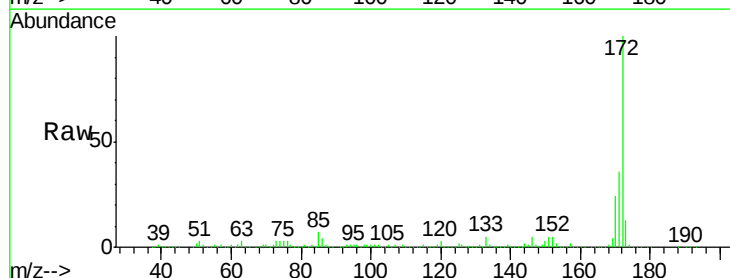


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

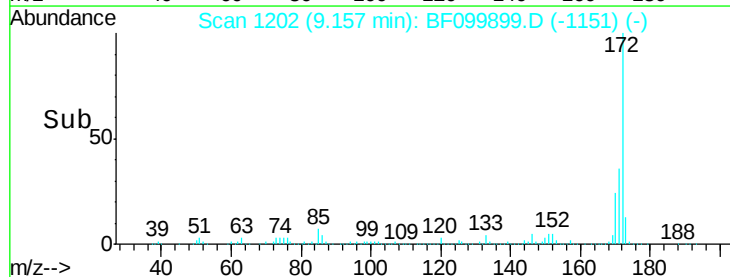
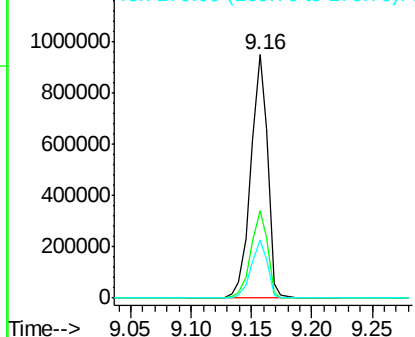


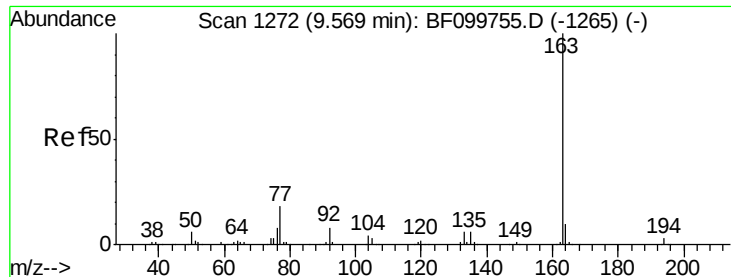
#44
 2-Fluorobiphenyl
 Concen: 77.46 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF099899.D
 Acq: 28 Oct 2017 2:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.7	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

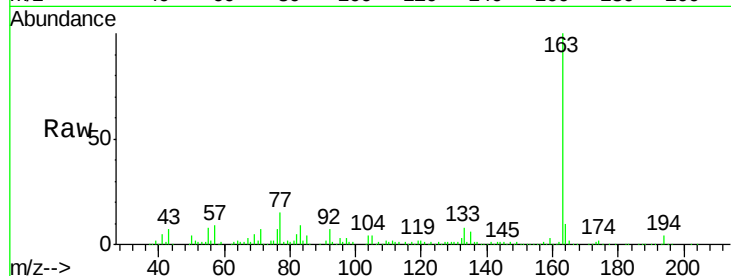




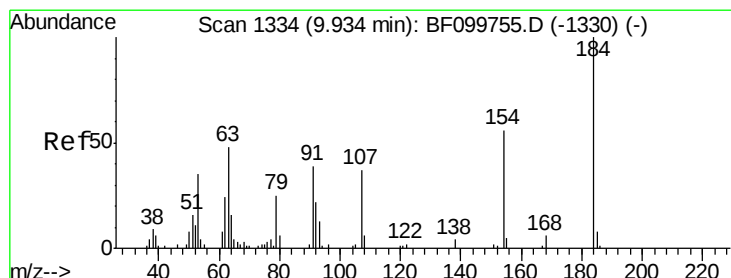
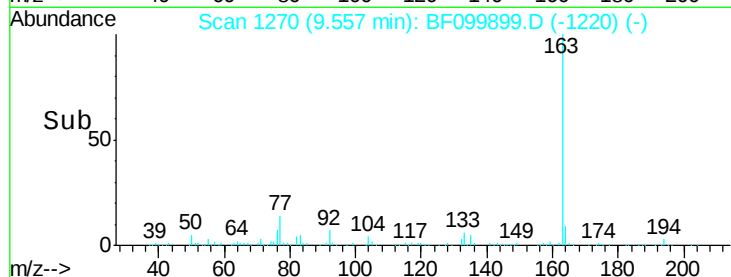
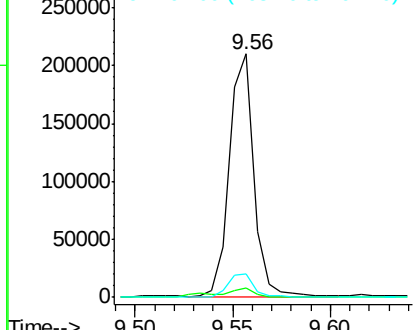
#49
Dimethylphthalate
Concen: 12.41 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF099899.D
Acq: 28 Oct 2017 2:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 181476
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.6 8.2 12.2

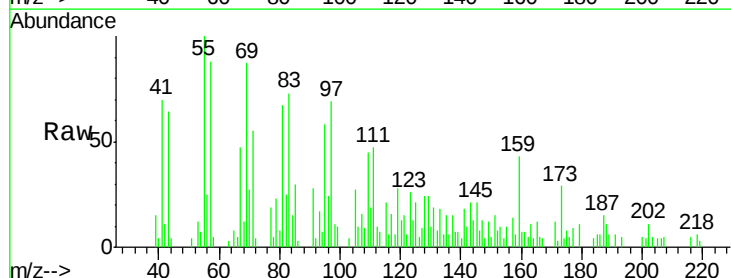


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

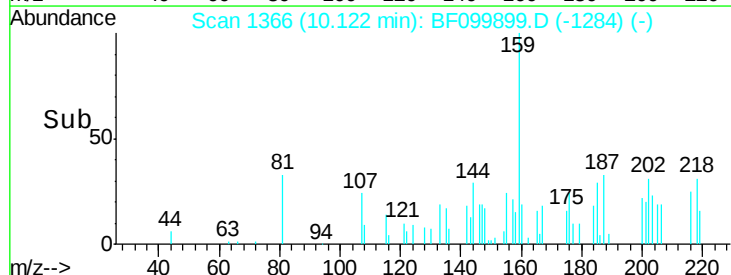
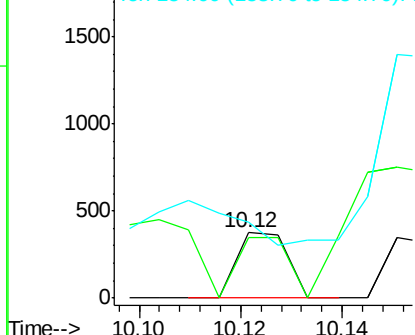


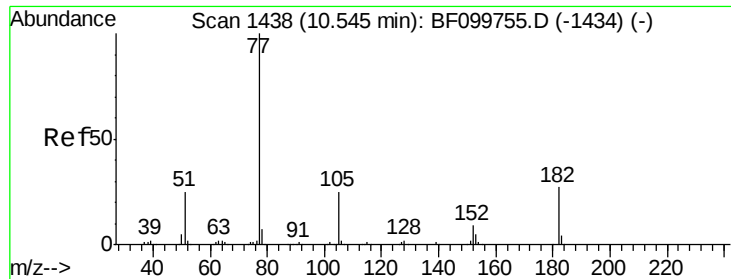
#53
2,4-Dinitrophenol
Concen: 5.96 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.18 min
Lab File: BF099899.D
Acq: 28 Oct 2017 2:26

Tgt Ion:184 Resp: 262
Ion Ratio Lower Upper
184 100
63 92.0 54.2 81.2#
154 116.2 53.5 80.3#



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





#62

Azobenzene

Concen: 4.08 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 48778

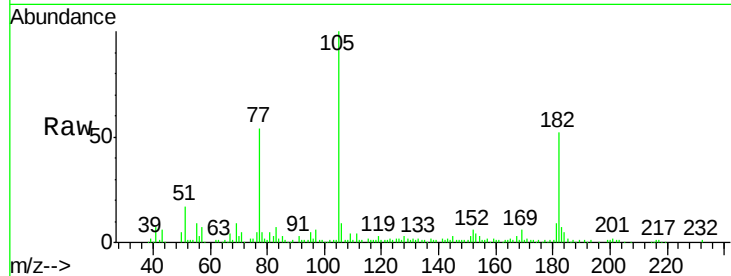
Ion Ratio Lower Upper

77 100

182 96.7 1.7 41.7#

105 185.8 3.0 43.0#

51 31.4 9.9 49.9

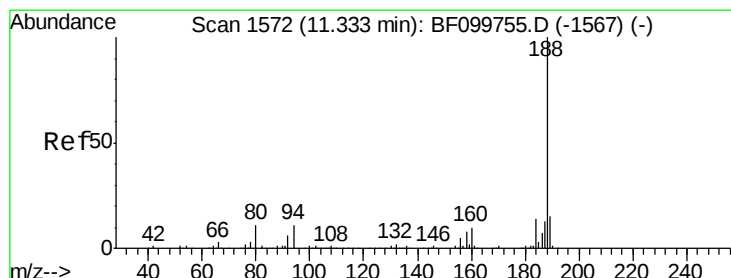
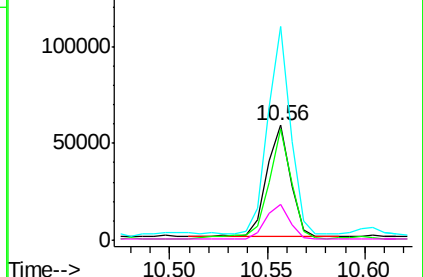
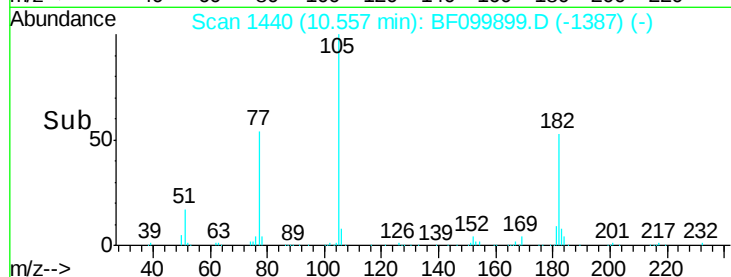


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 20.00 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

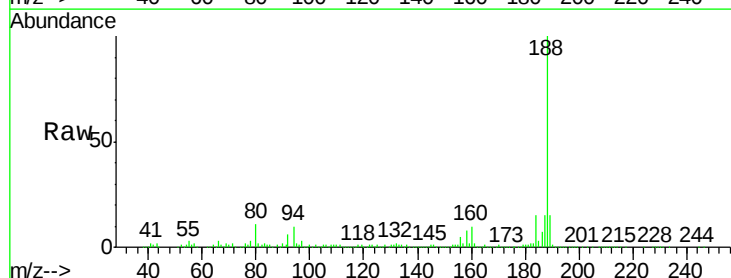
Tgt Ion: 188 Resp: 295218

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

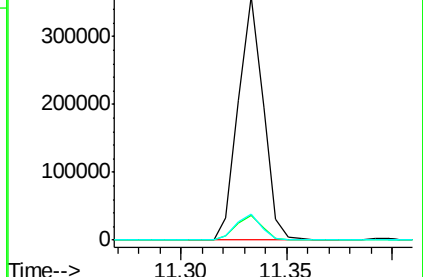
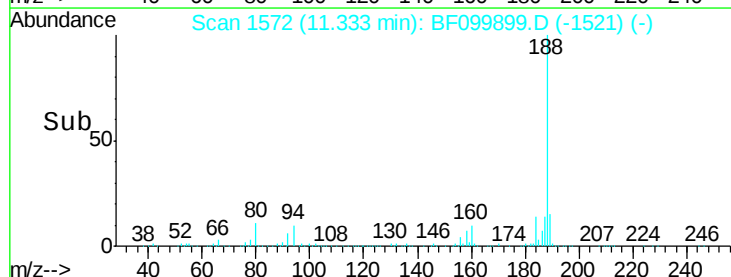
80 10.9 9.2 13.8

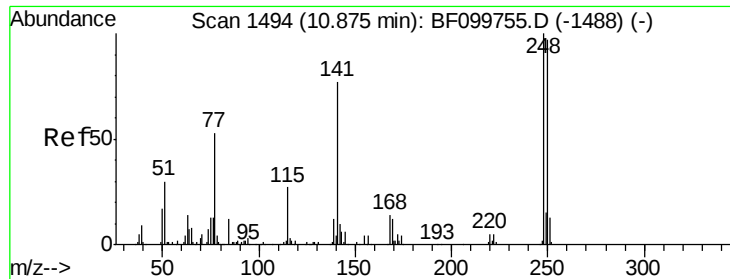


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

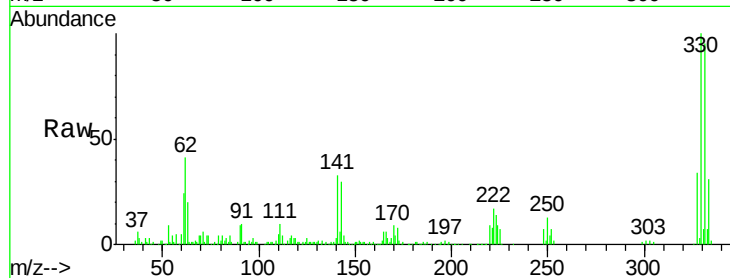




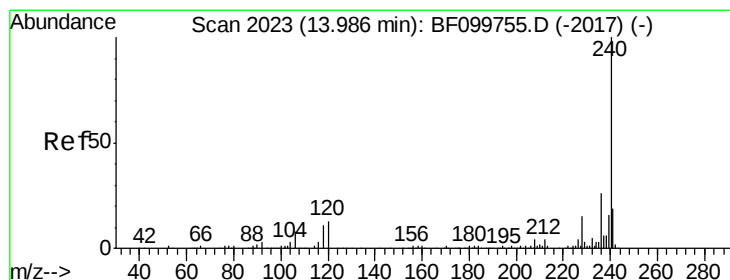
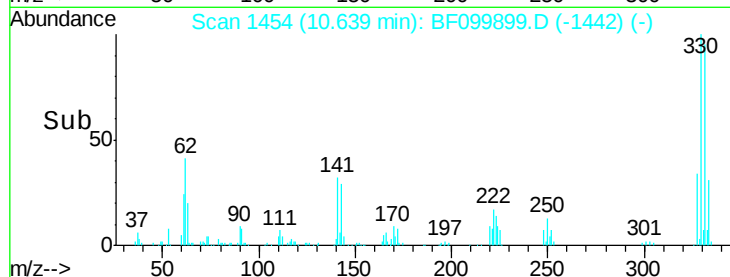
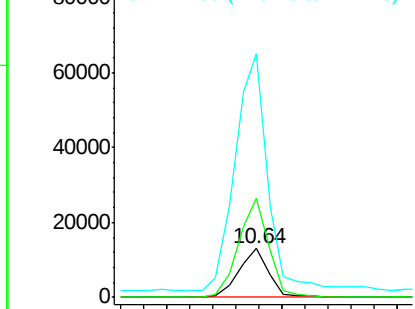
#66
4-Bromophenyl-phenylether
Concen: 3.73 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.23 min
Lab File: BF099899.D
Acq: 28 Oct 2017 2:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 11594
Ion Ratio Lower Upper
248 100
250 202.2 76.9 115.3#
141 499.2 74.4 111.6#

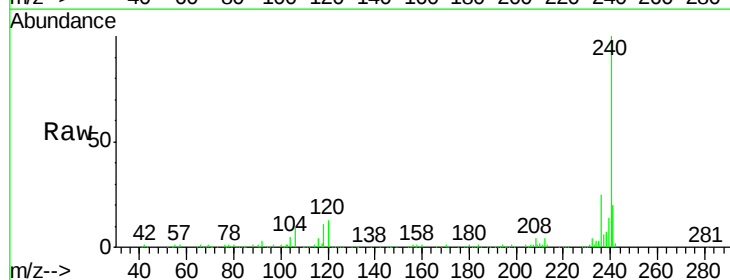


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

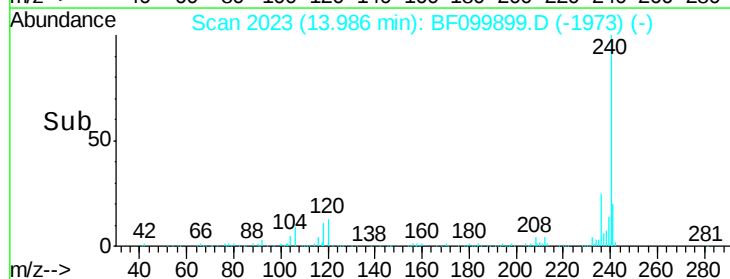
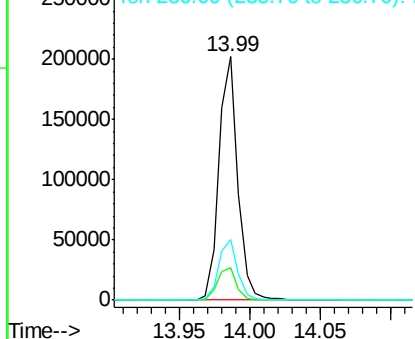


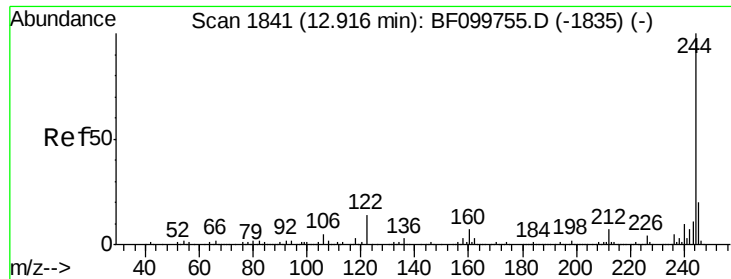
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF099899.D
Acq: 28 Oct 2017 2:26

Tgt Ion:240 Resp: 186032
Ion Ratio Lower Upper
240 100
120 13.1 9.5 14.3
236 24.7 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: 74.07 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

Instrument :

BNA_F

ClientSampleId :

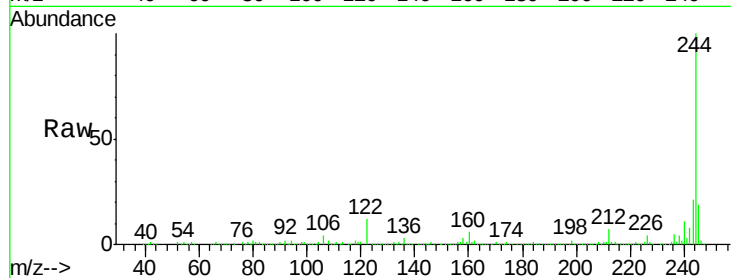
Tot Ion:244 Resp: 630569

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

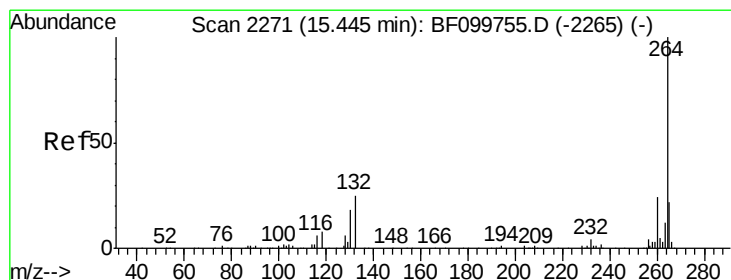
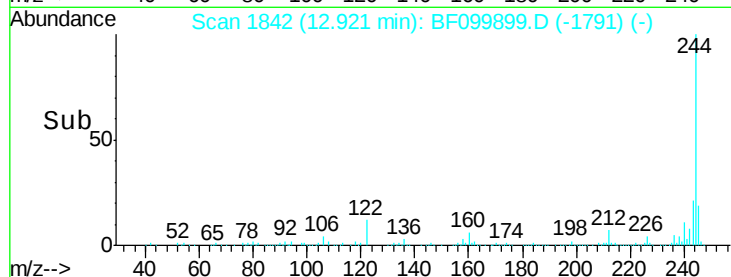
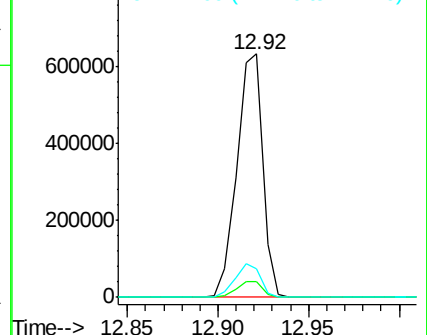
122 11.6 11.0 16.4



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: 20.00 ng

RT: 15.46 min Scan# 2273

Delta R.T. -0.00 min

Lab File: BF099899.D

Acq: 28 Oct 2017 2:26

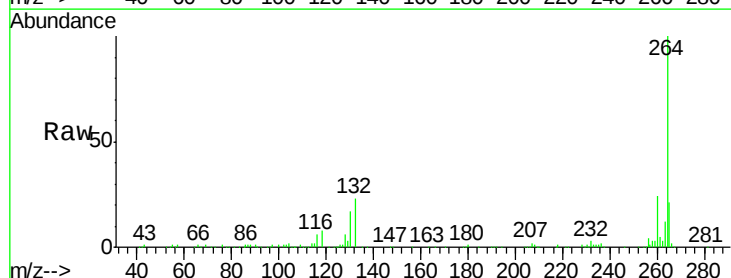
Tgt Ion:264 Resp: 193216

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.0 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

