

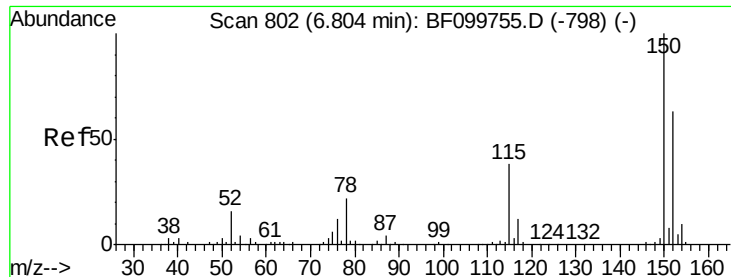
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099805.D
 Acq On : 24 Oct 2017 23:14
 Operator : SJ/JU
 Sample : I5956-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 07:40:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	66226	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	258330	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	111492	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	163304	20.00	ng	0.00
75) Chrysene-d12	13.98	240	115380	20.00	ng	0.00
86) Perylene-d12	15.44	264	111979	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	539519	127.90	ng	0.00
7) Phenol-d6	6.45	99	630623	126.08	ng	0.00
23) Nitrobenzene-d5	7.37	82	360490	89.84	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	109854	108.12	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	670229	92.75	ng	0.00
78) Terphenyl-d14	12.92	244	396353	75.07	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.57	77	9902	3.31	ng	91
10) Phenol	6.46	94	13646	2.48	ng	78
19) n-Nitroso-di-n-propylamine	7.37	70	43671	14.90	ng	# 73
25) Isophorone	7.37	82	360487	49.51	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	14041	7.56	ng	# 24
56) 2,4-Dinitrotoluene	9.84	165	14041	6.28	ng	# 21
62) Azobenzene	10.55	77	37418	5.18	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	6761	3.93	ng	# 1

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

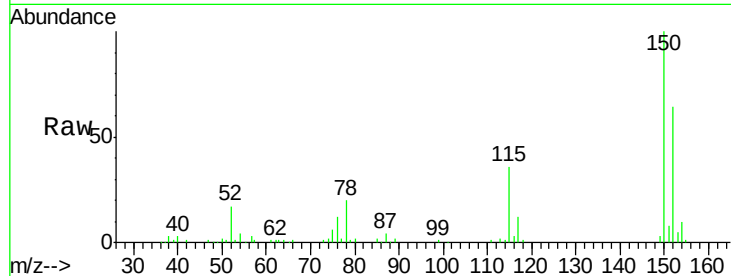


#1

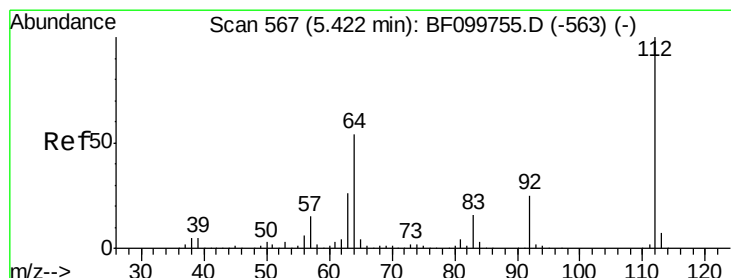
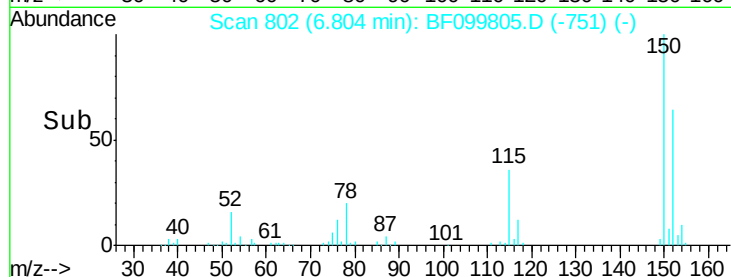
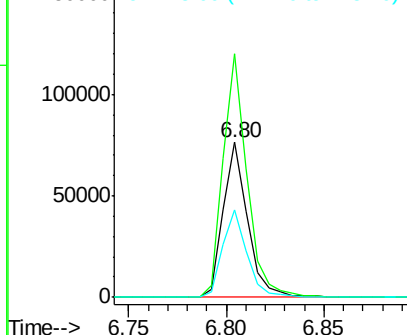
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099805.D
Acq: 24 Oct 2017 23:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 66226
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 56.7 50.1 75.1



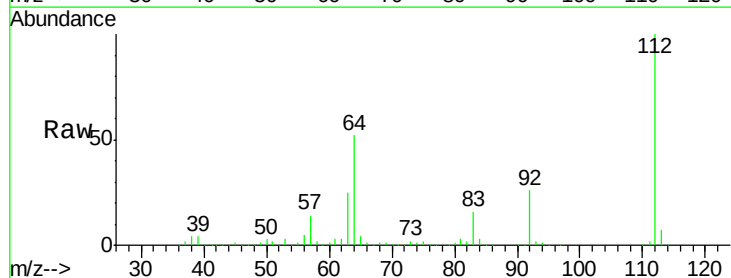
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



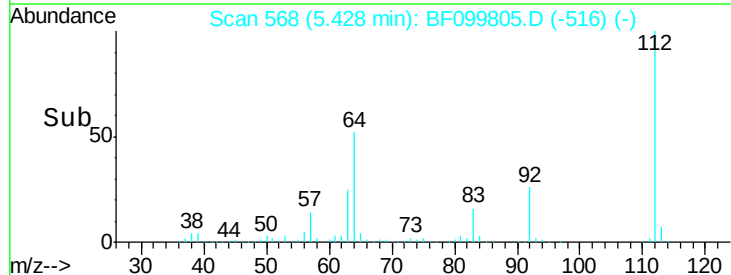
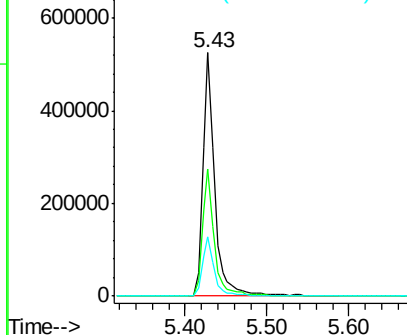
#5

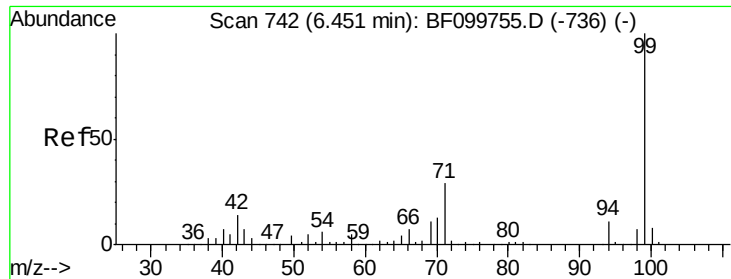
2-Fluorophenol
Concen: 127.90 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099805.D
Acq: 24 Oct 2017 23:14

Tgt Ion:112 Resp: 539519
Ion Ratio Lower Upper
112 100
64 52.5 47.9 71.9
63 24.5 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: 126.08 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099805.D

Acq: 24 Oct 2017 23:14

Instrument :

BNA_F

ClientSampleId :

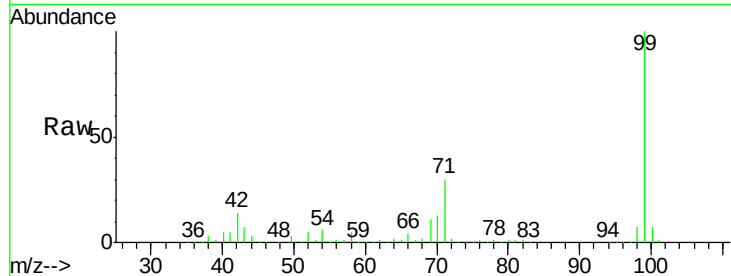
Tot Ion: 99 Resp: 630623

Ion Ratio Lower Upper

99 100

42 13.9 14.5 21.7#

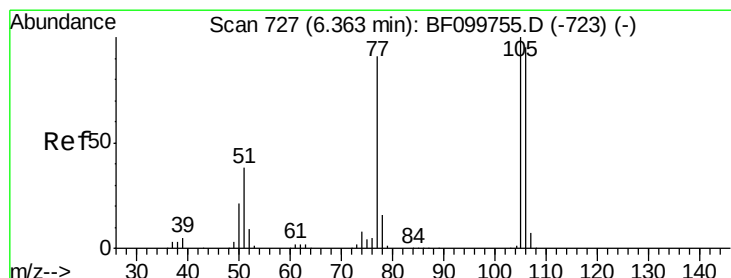
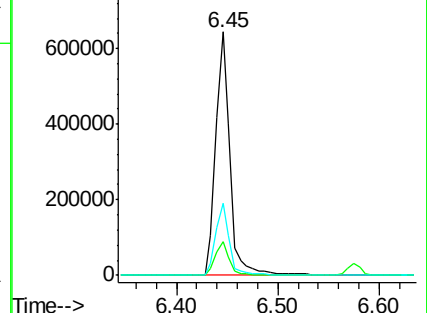
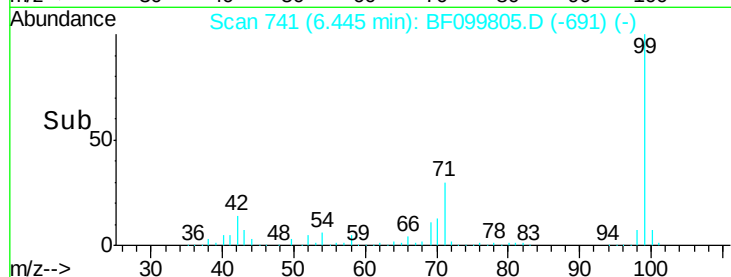
71 29.8 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.31 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.21 min

Lab File: BF099805.D

Acq: 24 Oct 2017 23:14

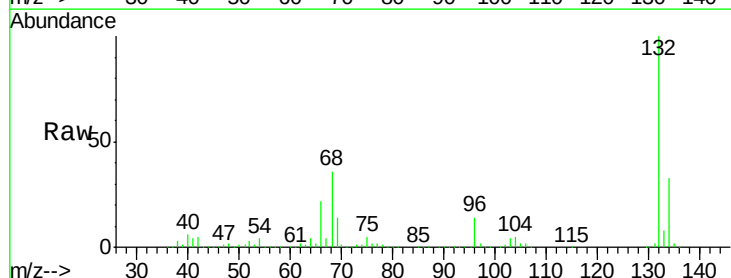
Tgt Ion: 77 Resp: 9902

Ion Ratio Lower Upper

77 100

105 88.9 81.1 121.1

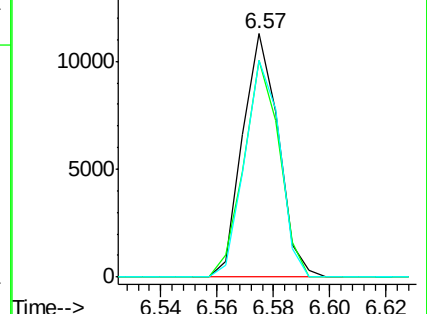
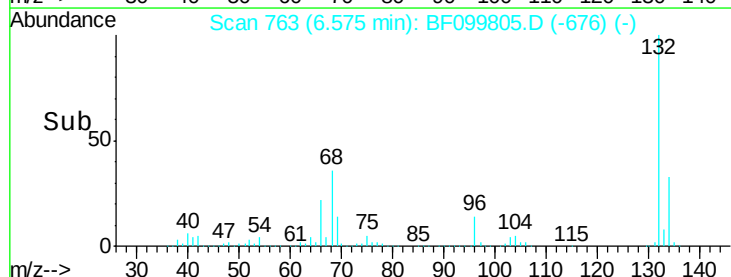
106 89.0 74.5 114.5

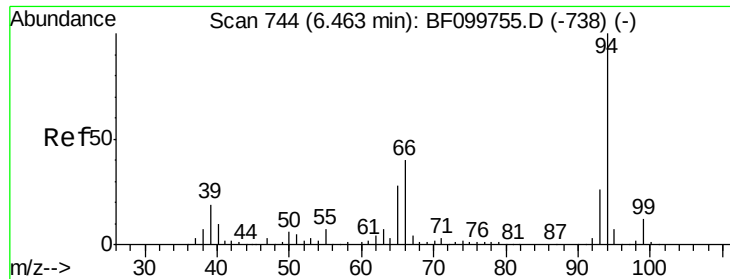


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

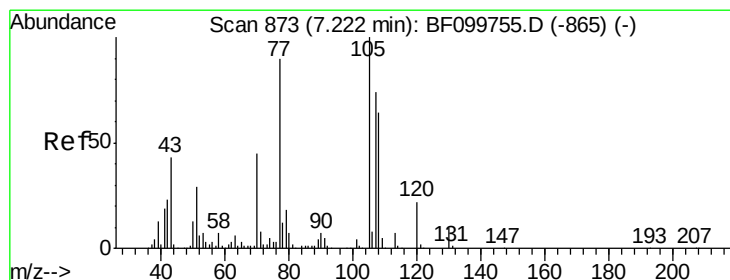
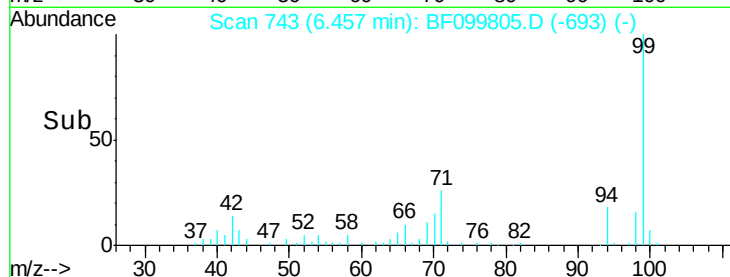
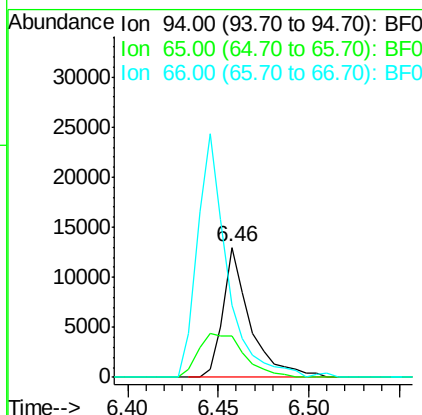
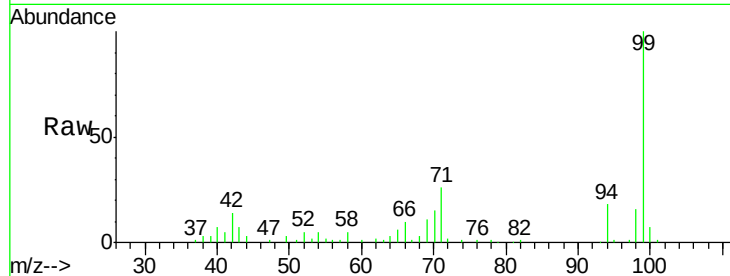




#10
Phenol
Concen: 2.48 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF099805.D
Acq: 24 Oct 2017 23:14

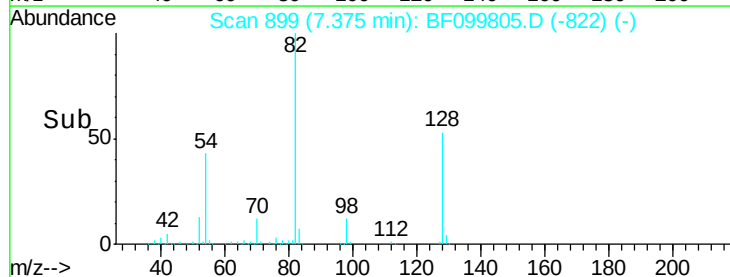
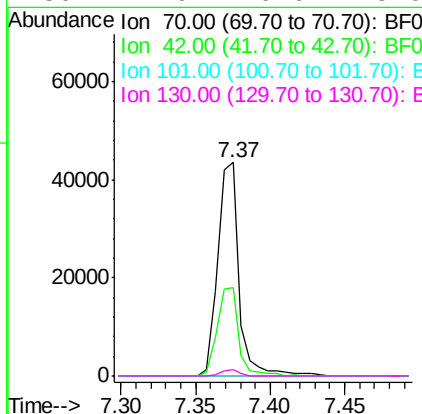
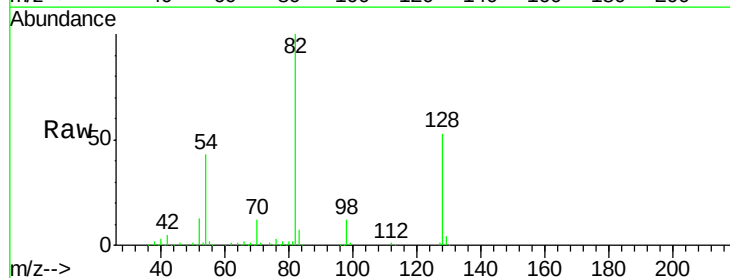
Instrument :
BNA_F
ClientSampleId :

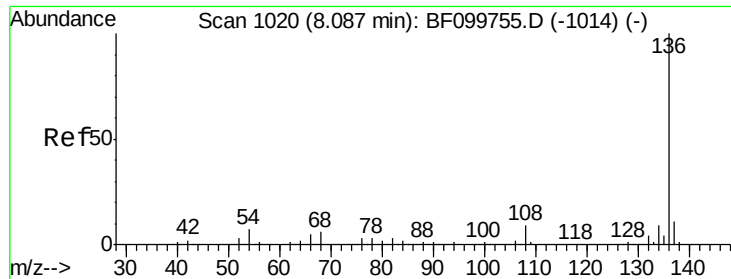
Tot Ion: 94 Resp: 13646
Ion Ratio Lower Upper
94 100
65 31.4 7.9 47.9
66 55.7 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.90 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF099805.D
Acq: 24 Oct 2017 23:14

Tgt Ion: 70 Resp: 43671
Ion Ratio Lower Upper
70 100
42 41.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.9 16.6 25.0#

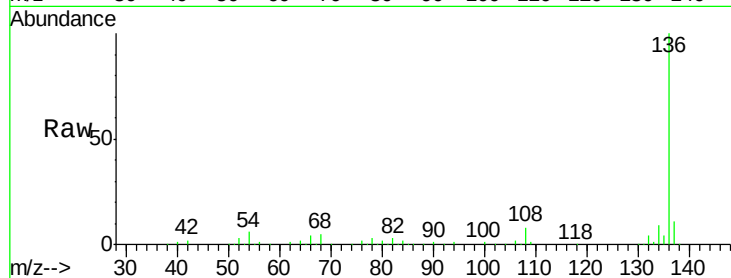




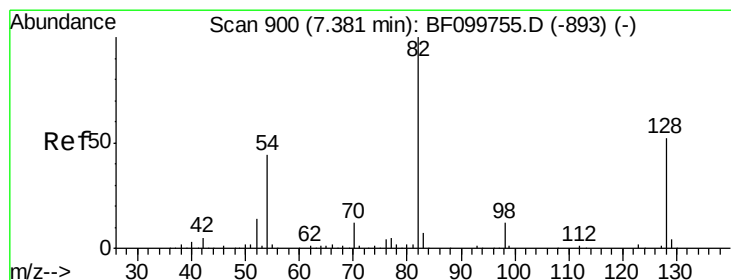
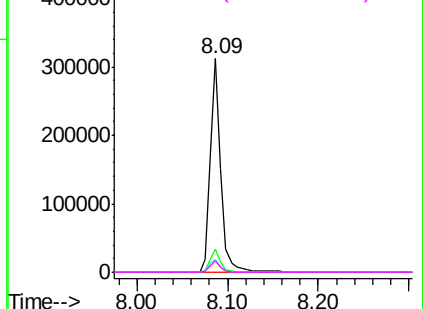
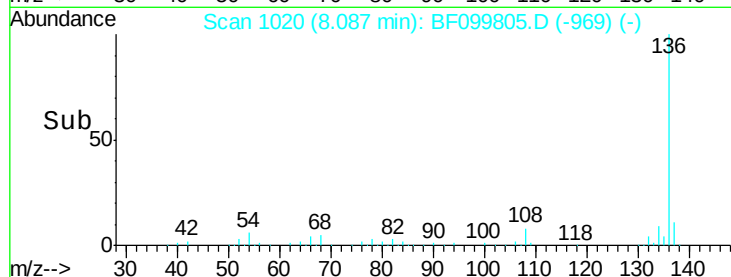
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099805.D
Acq: 24 Oct 2017 23:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	258330
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.3	6.6	9.8#
68	5.4	5.0	7.4

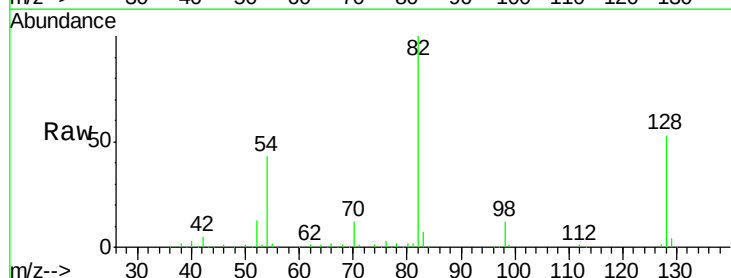


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

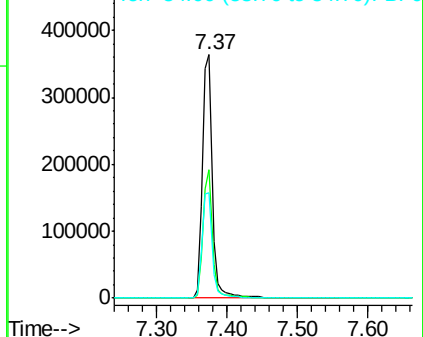
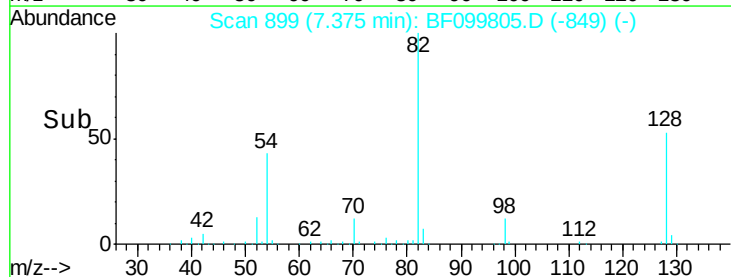


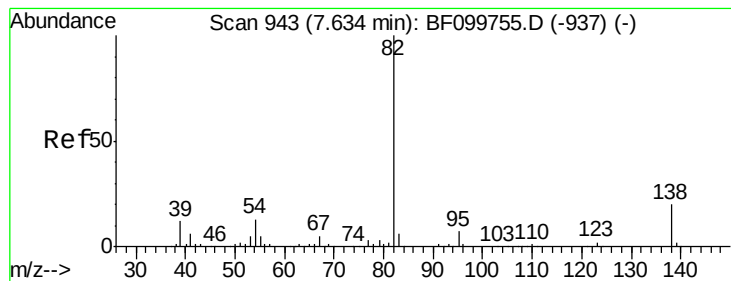
#23
Nitrobenzene-d5
Concen: 89.84 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF099805.D
Acq: 24 Oct 2017 23:14

Tgt Ion:	82	Resp:	360490
Ion	Ratio	Lower	Upper
82	100		
128	52.8	36.1	54.1
54	43.2	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: 49.51 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF099805.D

Acq: 24 Oct 2017 23:14

Instrument :

BNA_F

ClientSampled :

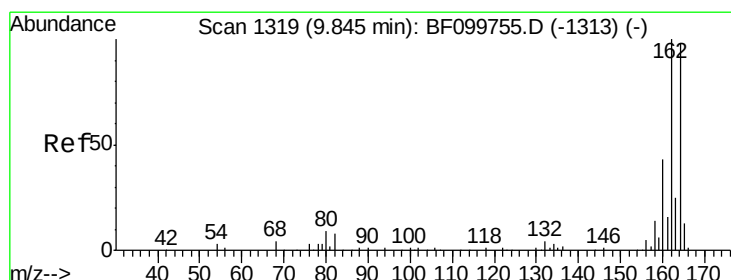
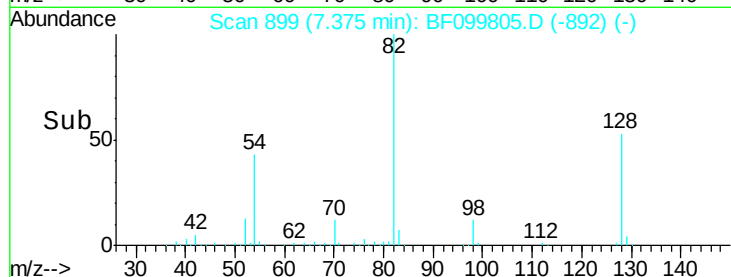
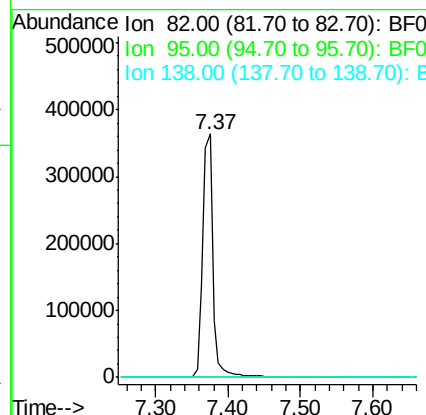
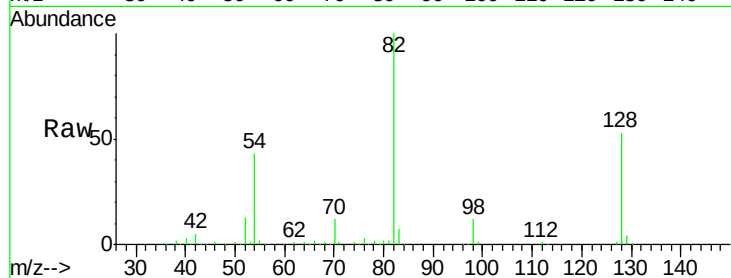
Tot Ion: 82 Resp: 360487

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF099805.D

Acq: 24 Oct 2017 23:14

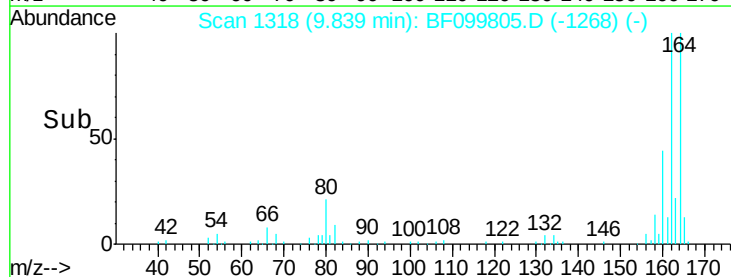
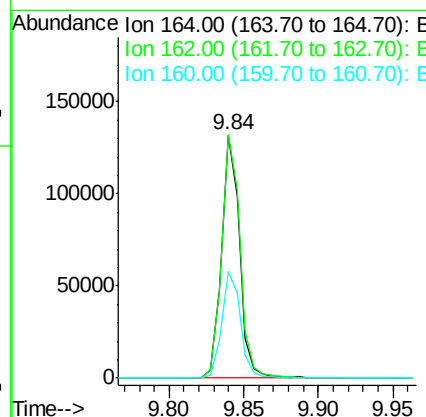
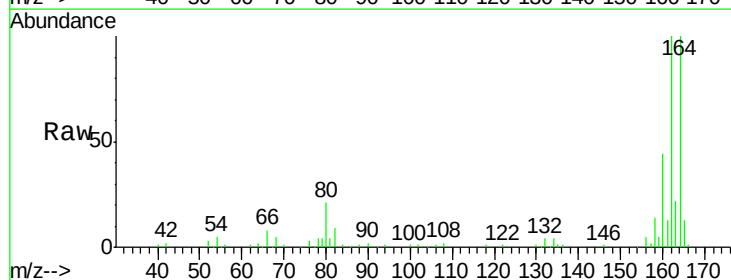
Tgt Ion: 164 Resp: 111492

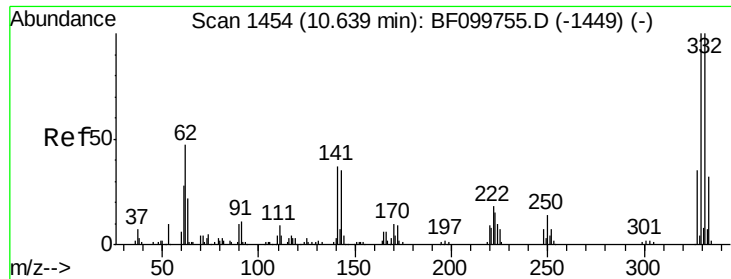
Ion Ratio Lower Upper

164 100

162 100.4 86.1 129.1

160 44.2 38.3 57.5

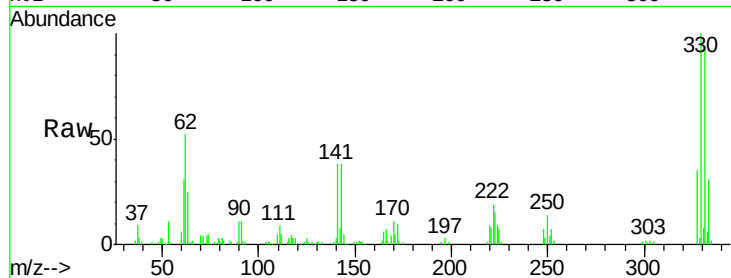




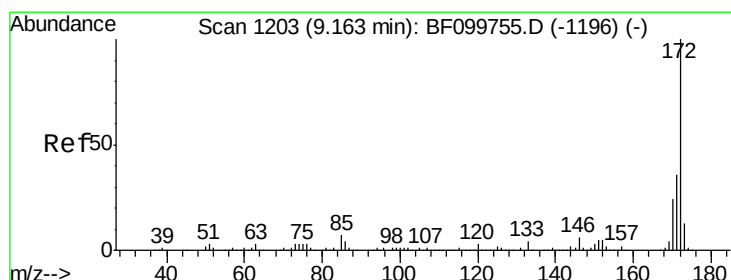
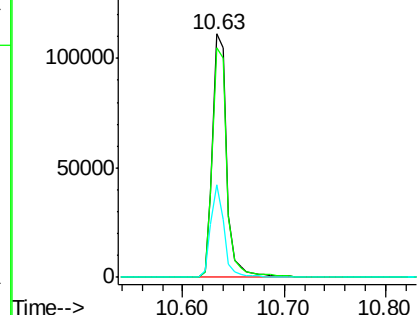
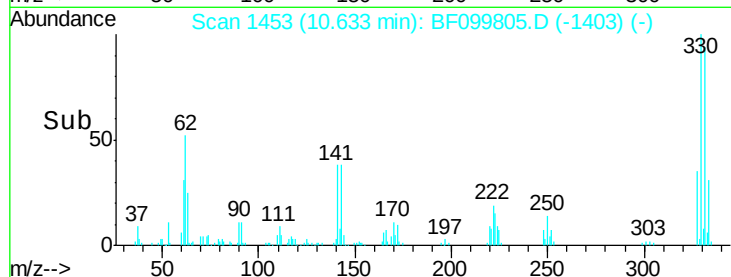
#41
 2,4,6-Tribromophenol
 Concen: 108.12 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF099805.D
 Acq: 24 Oct 2017 23:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	35.6	29.9	44.9

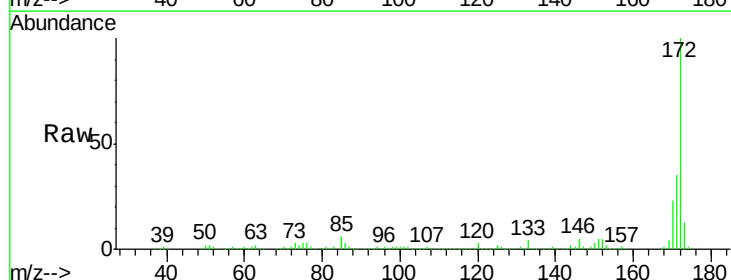


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

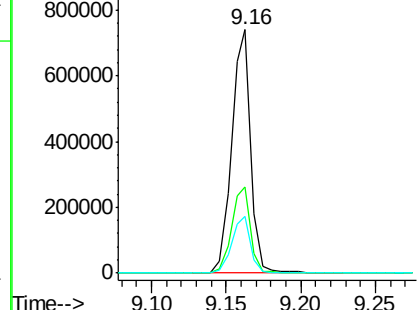
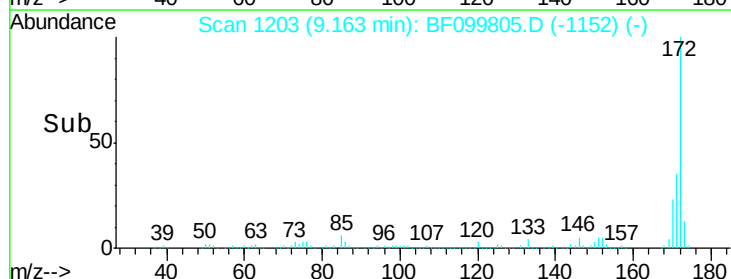


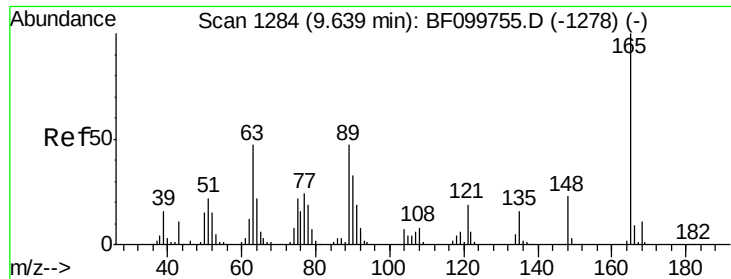
#44
 2-Fluorobiphenyl
 Concen: 92.75 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099805.D
 Acq: 24 Oct 2017 23:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.3	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: 7.56 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF099805.D

Acq: 24 Oct 2017 23:14

Instrument :

BNA_F

ClientSampleId :

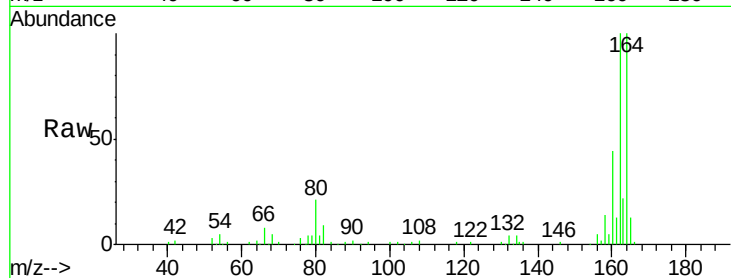
Tot Ion:165 Resp: 14041

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

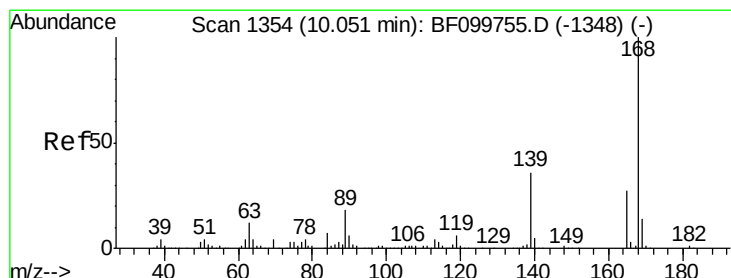
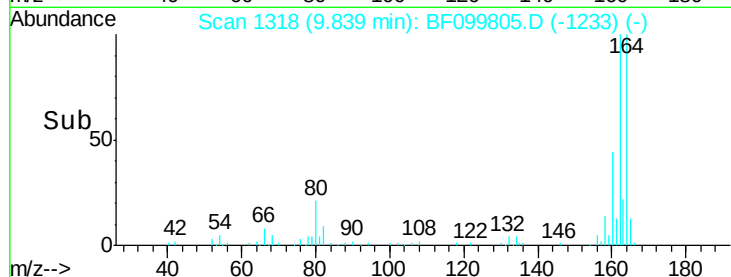
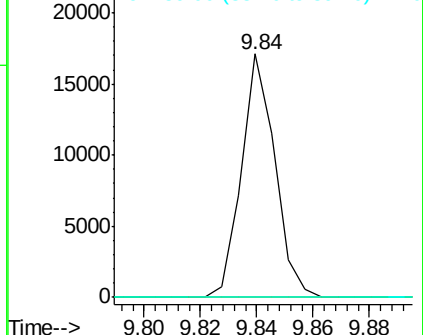
89 0.0 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.28 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF099805.D

Acq: 24 Oct 2017 23:14

Tgt Ion:165 Resp: 14041

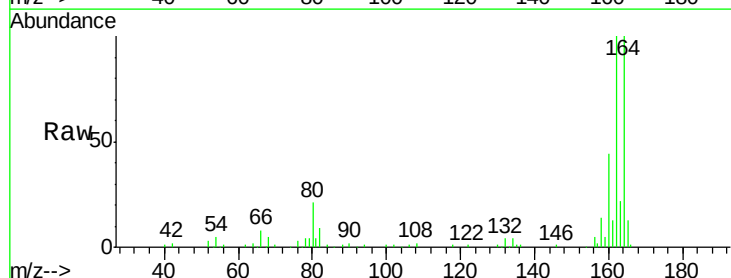
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

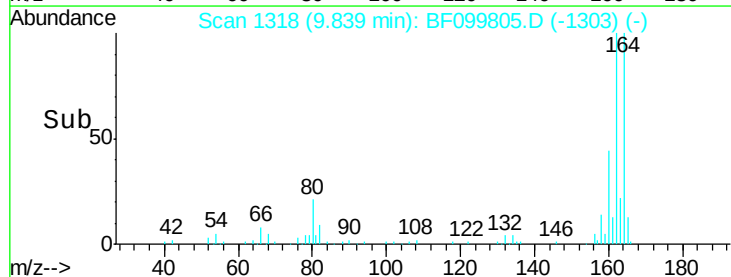
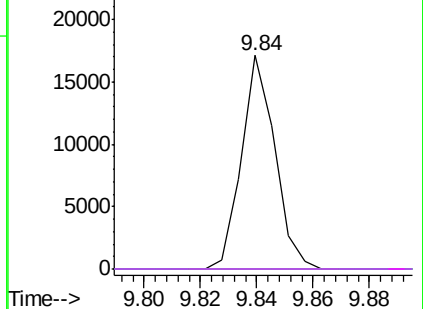


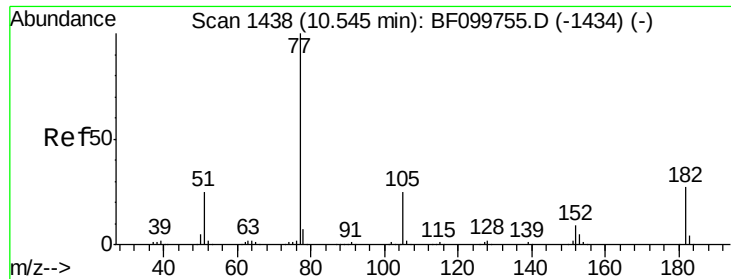
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 5.18 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF099805.D

Acq: 24 Oct 2017 23:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 37418

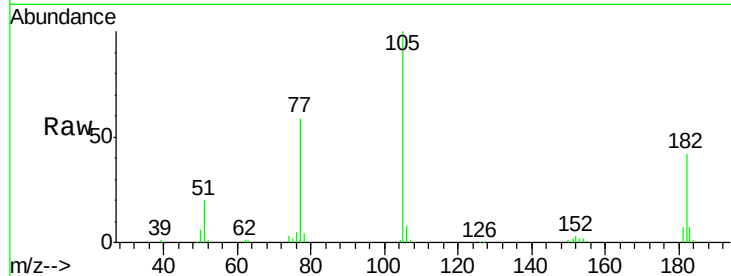
Ion Ratio Lower Upper

77 100

182 71.4 1.7 41.7#

105 168.4 3.0 43.0#

51 34.4 9.9 49.9

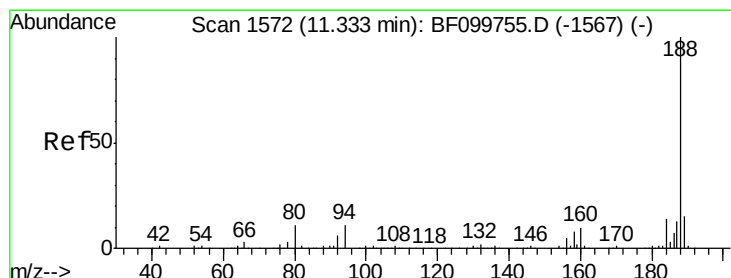
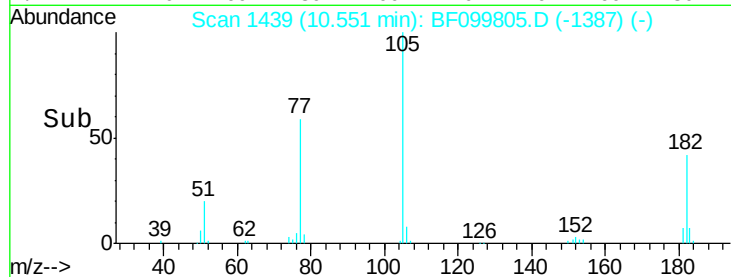
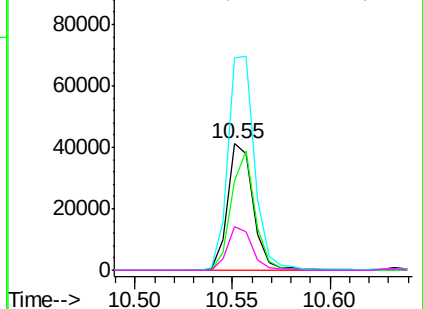


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF099805.D

Acq: 24 Oct 2017 23:14

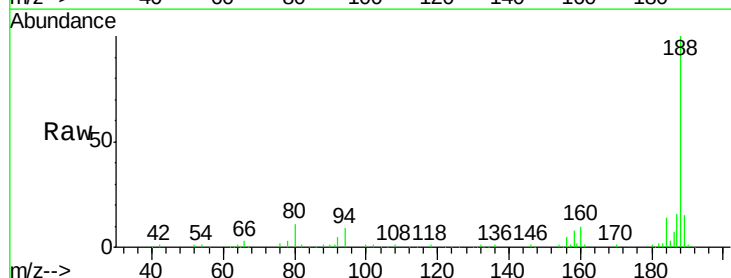
Tgt Ion: 188 Resp: 163304

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

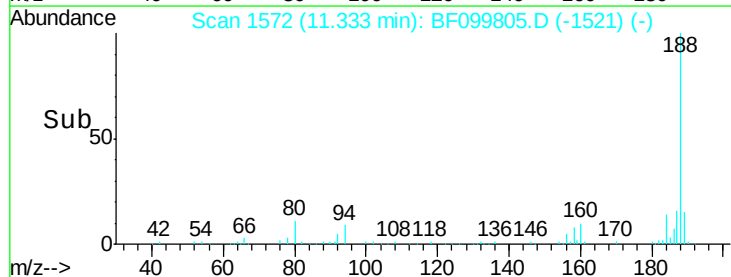
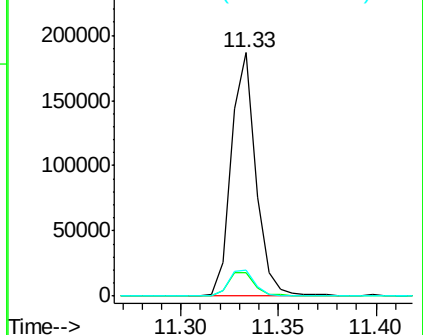
80 10.6 9.2 13.8

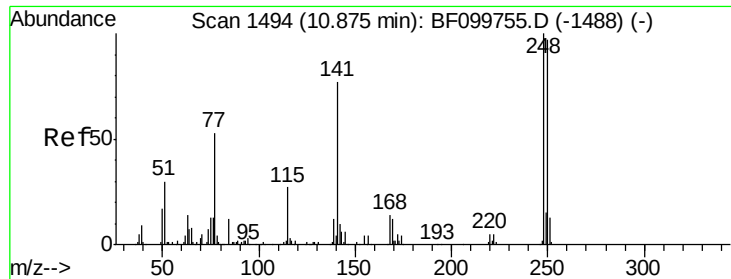


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

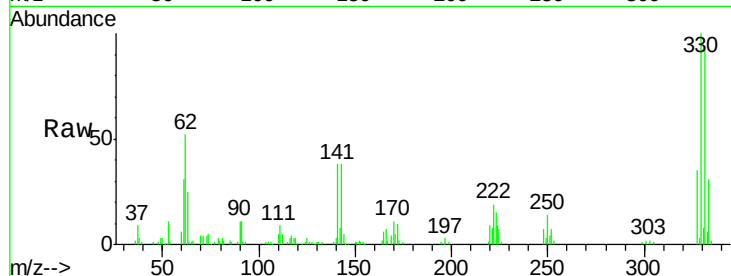




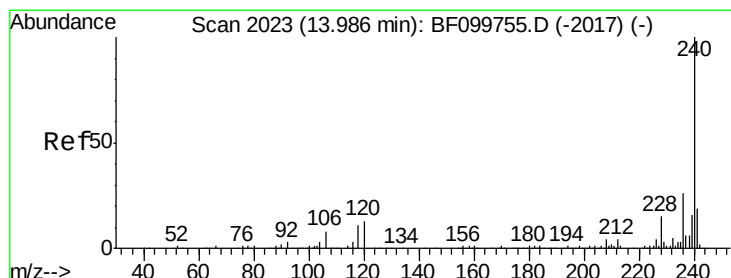
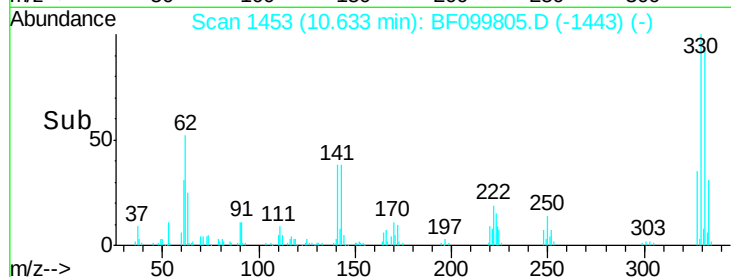
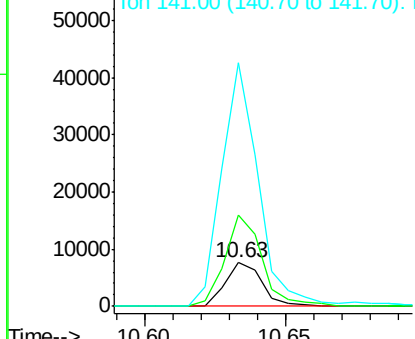
#66
 4-Bromophenyl-phenylether
 Concen: 3.93 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF099805.D
 Acq: 24 Oct 2017 23:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 6761
 Ion Ratio Lower Upper
 248 100
 250 209.6 76.9 115.3#
 141 559.0 74.4 111.6#

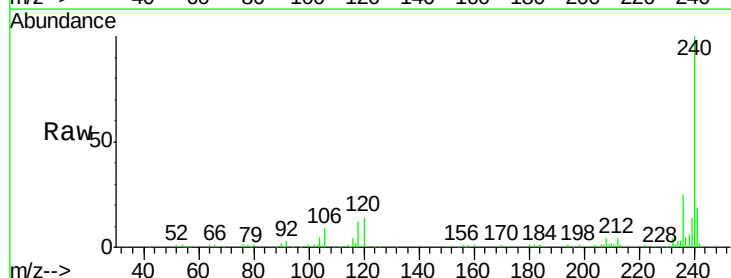


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

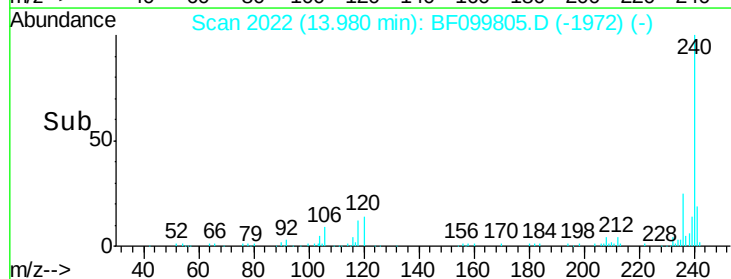
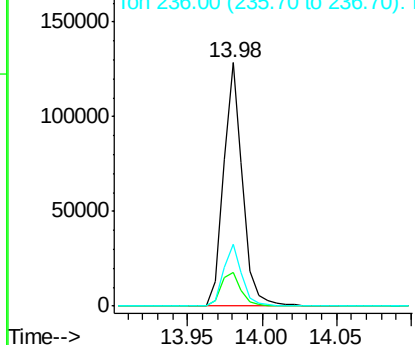


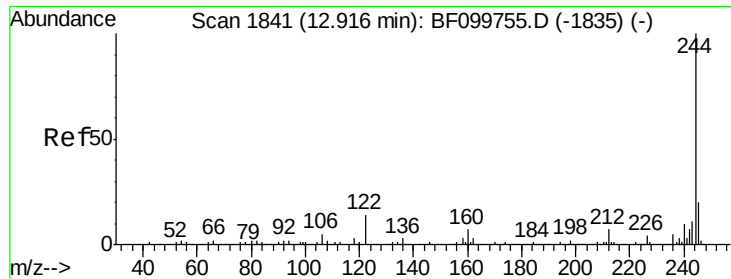
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099805.D
 Acq: 24 Oct 2017 23:14

Tgt Ion:240 Resp: 115380
 Ion Ratio Lower Upper
 240 100
 120 13.8 9.5 14.3
 236 25.3 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



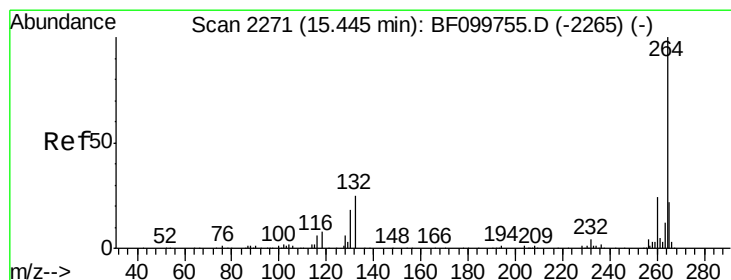
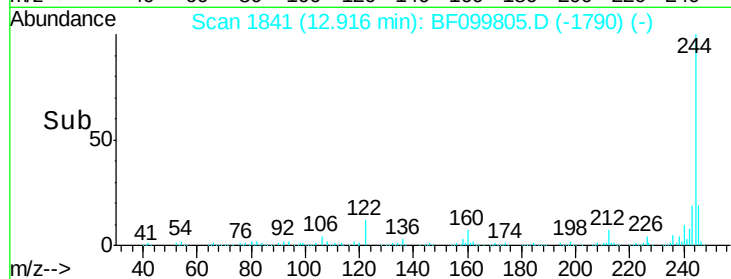
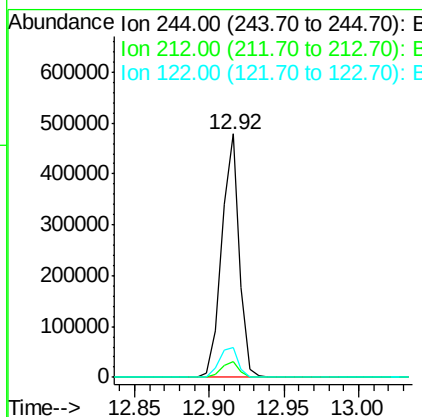
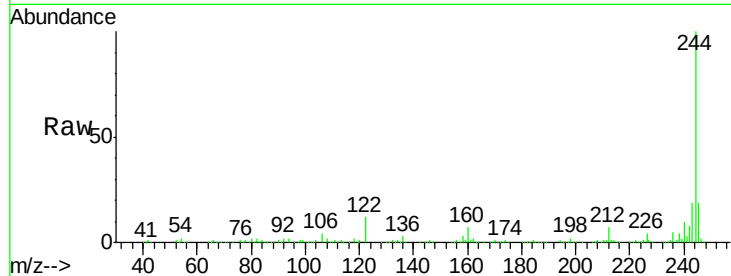


#78
 Terphenyl-d14
 Concen: 75.07 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF099805.D
 Acq: 24 Oct 2017 23:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 396353

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.3	11.0	16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: BF099805.D
 Acq: 24 Oct 2017 23:14

Tgt Ion:264 Resp: 111979

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.4	17.5	26.3

