

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099643.D
 Acq On : 19 Oct 2017 3:14
 Operator : SJ/JU
 Sample : I5924-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 16:21:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 22:24:53 2017
 Response via : Initial Calibration

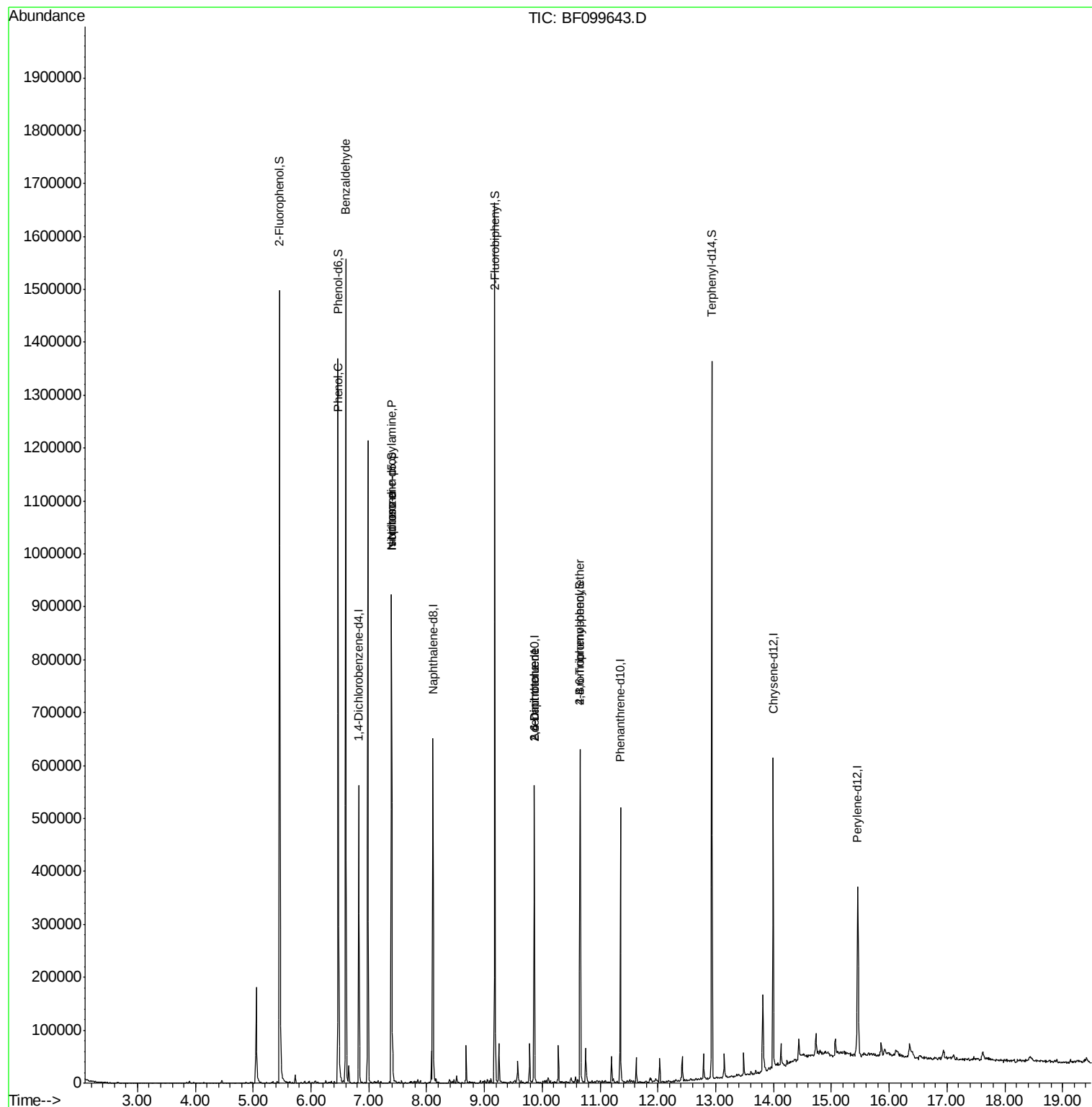
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	81259	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	290924	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	103165	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	171363	20.00	ng	0.00
75) Chrysene-d12	13.99	240	179043	20.00	ng	0.00
86) Perylene-d12	15.46	264	138165	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	465784	91.25	ng	0.00
7) Phenol-d6	6.47	99	526829	83.66	ng	-0.01
23) Nitrobenzene-d5	7.39	82	281076	61.96	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	76850	91.04	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	491853	79.59	ng	0.00
78) Terphenyl-d14	12.93	244	415309	52.75	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	8560	2.343	ng	84
10) Phenol	6.48	94	23507	3.338	ng	91
19) n-Nitroso-di-n-propylamine	7.39	70	36029	8.962	ng	# 75
25) Isophorone	7.39	82	281072	29.968	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	13689	8.075	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	13689	6.222	ng	# 21
66) 4-Bromophenyl-phenylether	10.65	248	5132	3.060	ng	# 1

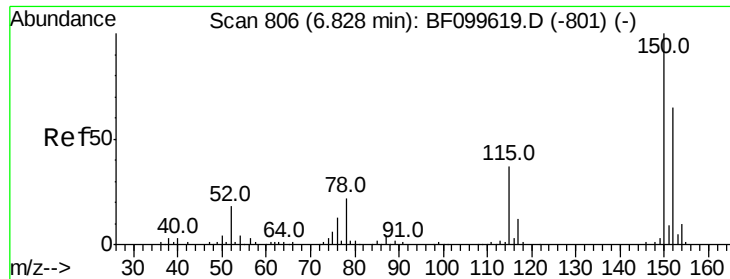
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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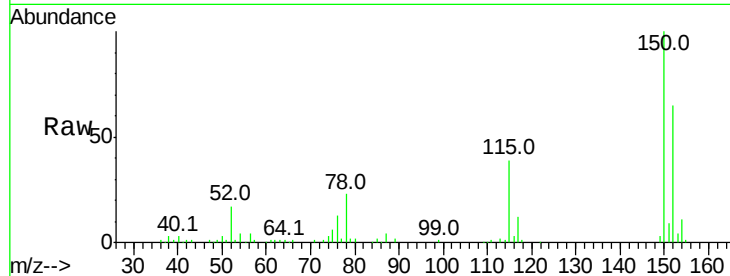


#1

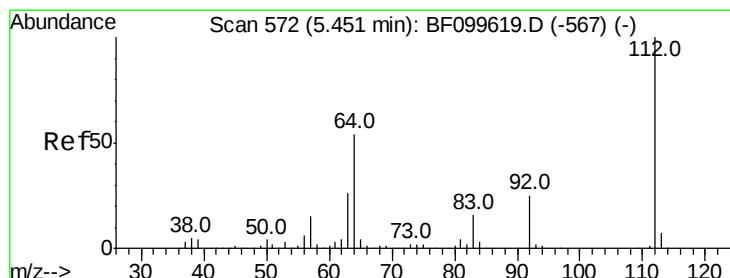
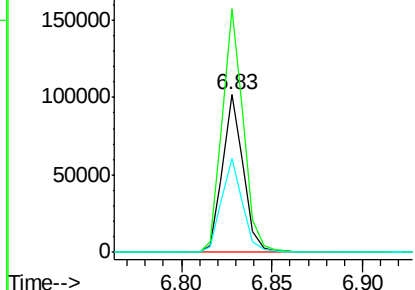
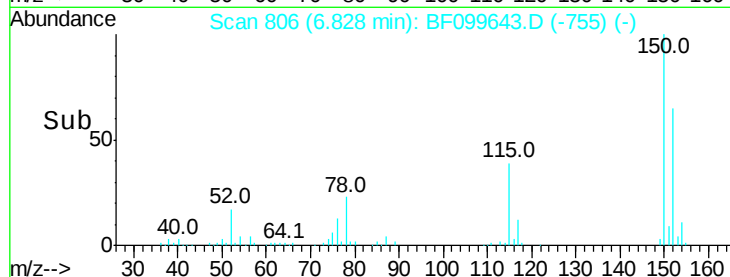
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099643.D
Acq: 19 Oct 2017 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 81259
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 59.9 50.1 75.1



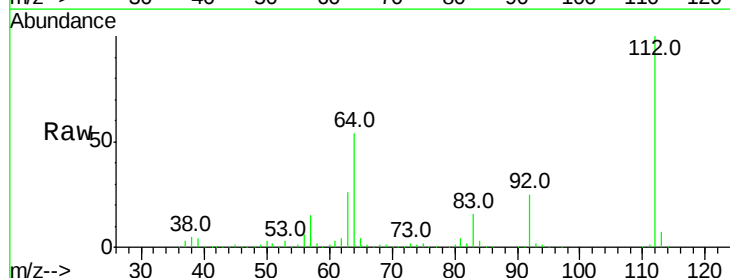
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



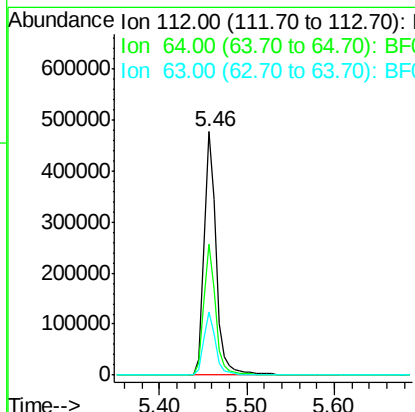
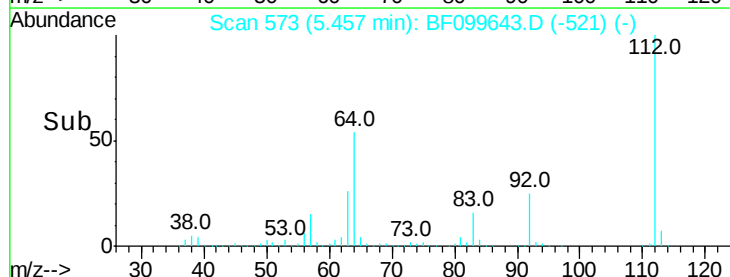
#5

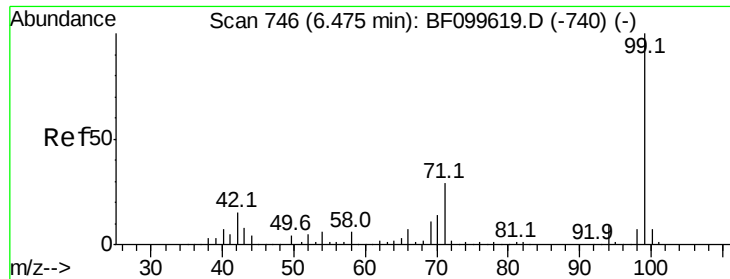
2-Fluorophenol
Concen: 91.249 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF099643.D
Acq: 19 Oct 2017 3:14

Tgt Ion:112 Resp: 465784
Ion Ratio Lower Upper
112 100
64 53.9 47.9 71.9
63 26.2 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: 83.663 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099643.D

Acq: 19 Oct 2017 3:14

Instrument :

BNA_F

ClientSampleId :

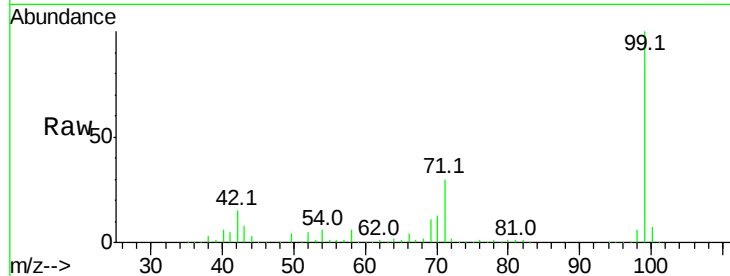
Tot Ion: 99 Resp: 526829

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

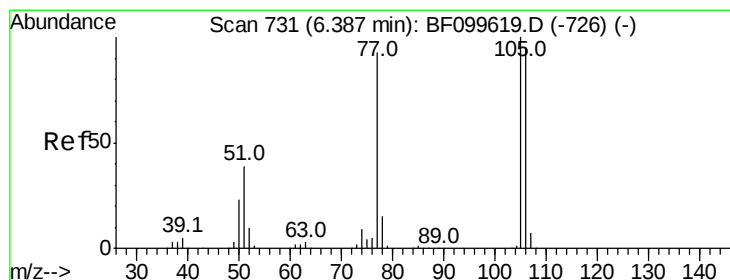
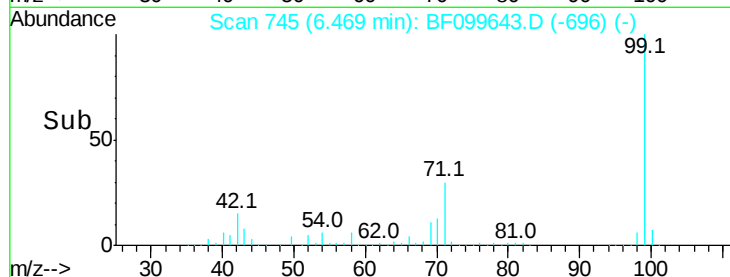
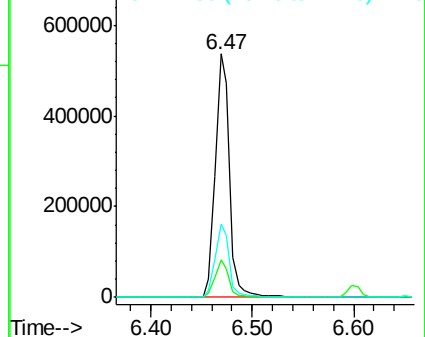
71 30.3 25.4 38.0



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: 2.343 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF099643.D

Acq: 19 Oct 2017 3:14

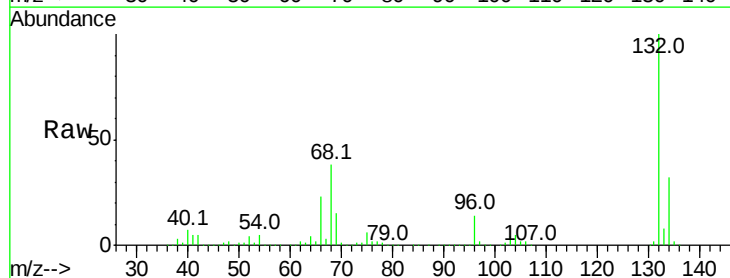
Tgt Ion: 77 Resp: 8560

Ion Ratio Lower Upper

77 100

105 82.4 81.1 121.1

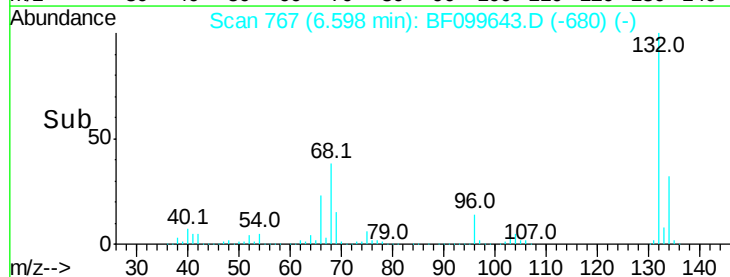
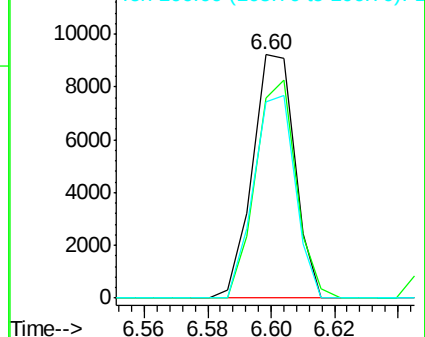
106 80.7 74.5 114.5

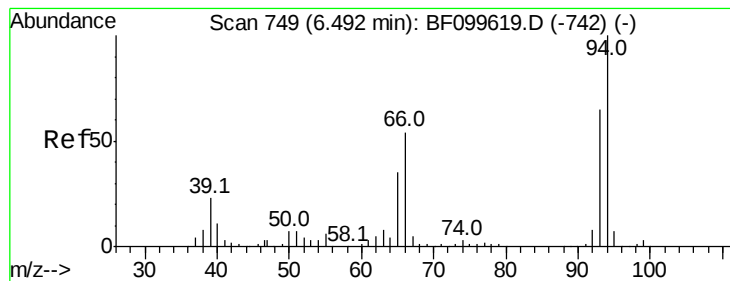


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 3.338 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099643.D

Acq: 19 Oct 2017 3:14

Instrument :

BNA_F

ClientSampled :

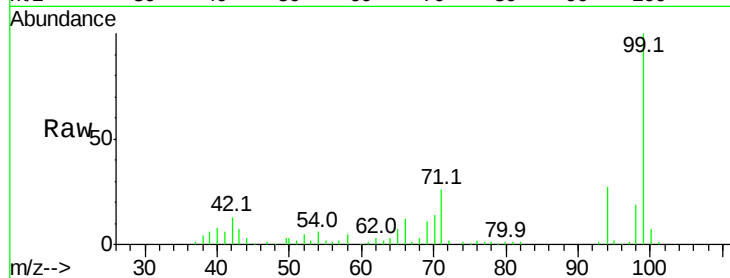
Tot Ion: 94 Resp: 23507

Ion Ratio Lower Upper

94 100

65 27.6 7.9 47.9

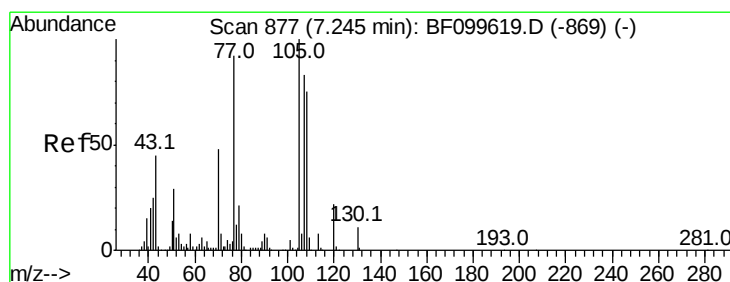
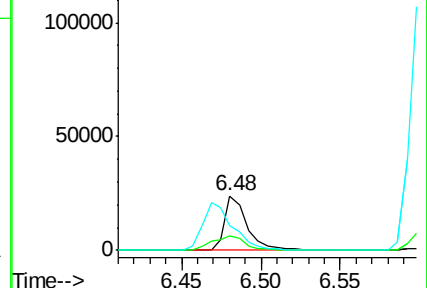
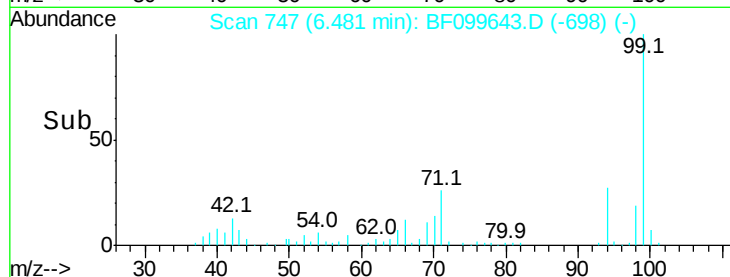
66 45.8 16.2 56.2



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: 8.962 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF099643.D

Acq: 19 Oct 2017 3:14

Tgt Ion: 70 Resp: 36029

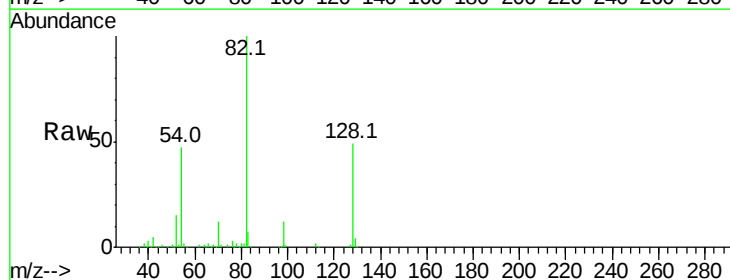
Ion Ratio Lower Upper

70 100

42 43.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

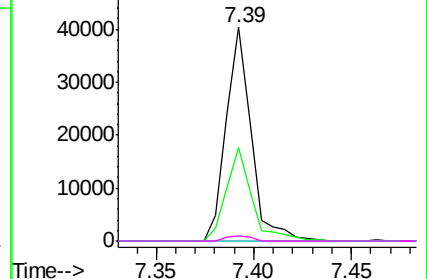
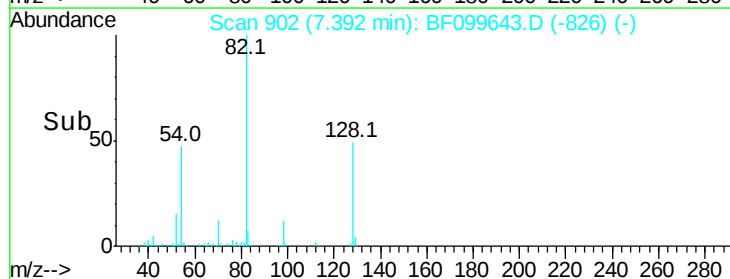


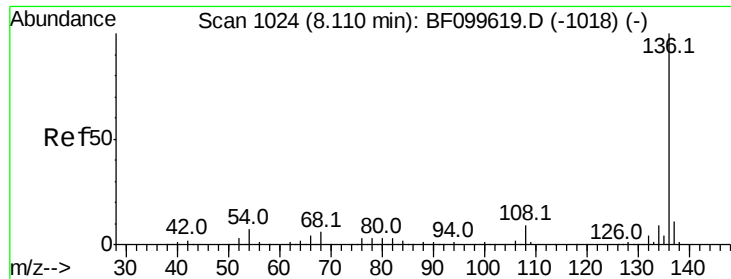
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

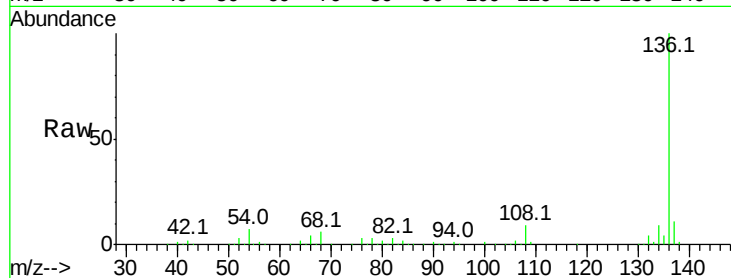




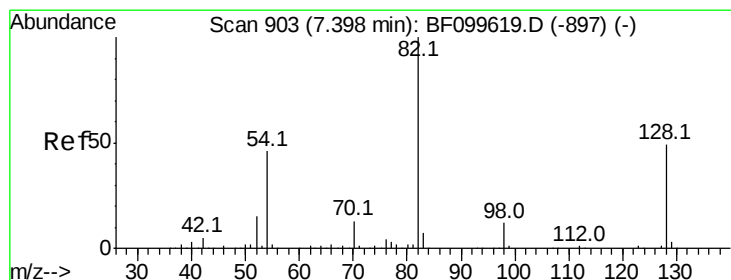
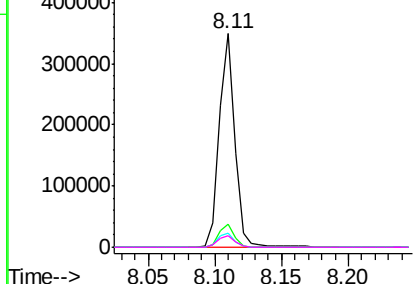
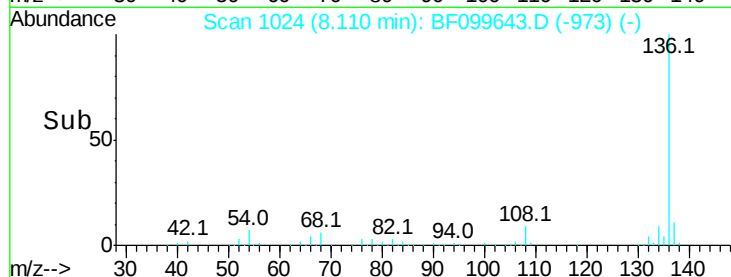
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF099643.D
Acq: 19 Oct 2017 3:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	290924
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.7	6.6	9.8
68	5.5	5.0	7.4

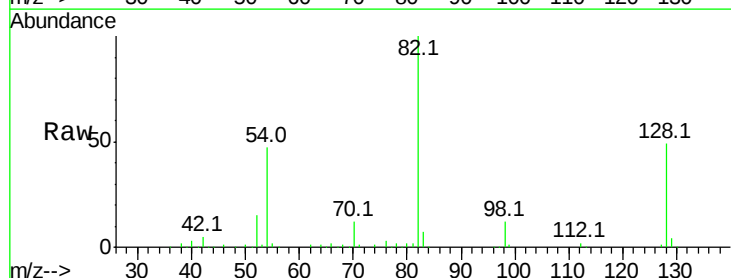


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

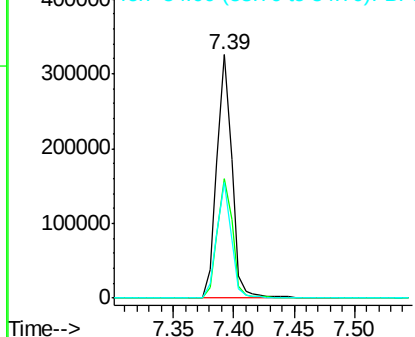
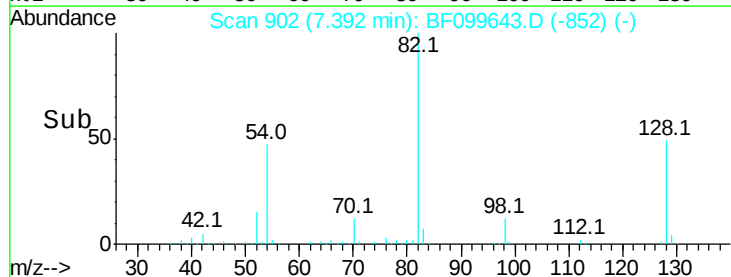


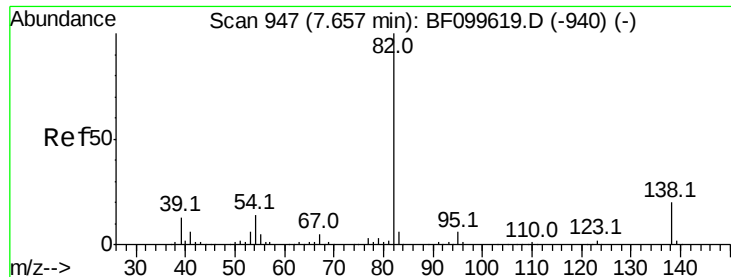
#23
Nitrobenzene-d5
Concen: 61.959 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099643.D
Acq: 19 Oct 2017 3:14

Tgt Ion:	82	Resp:	281076
Ion	Ratio	Lower	Upper
82	100		
128	49.1	36.1	54.1
54	47.2	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: 29.968 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF099643.D

Acq: 19 Oct 2017 3:14

Instrument :

BNA_F

ClientSampled :

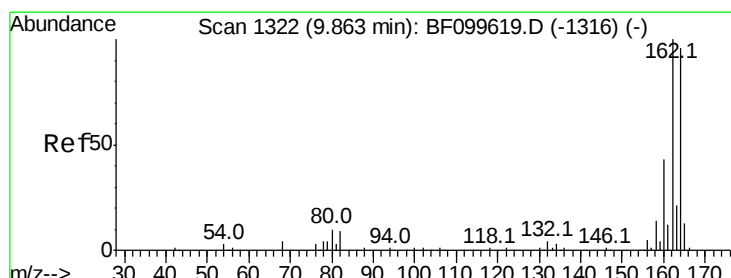
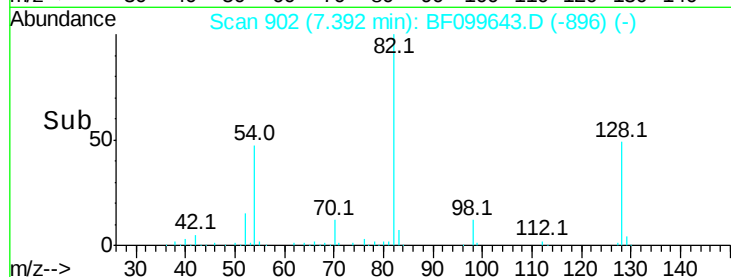
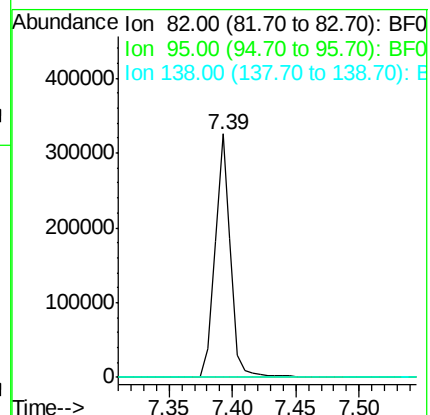
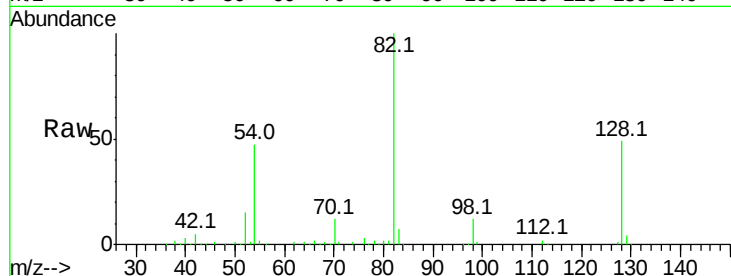
Tot Ion: 82 Resp: 281072

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF099643.D

Acq: 19 Oct 2017 3:14

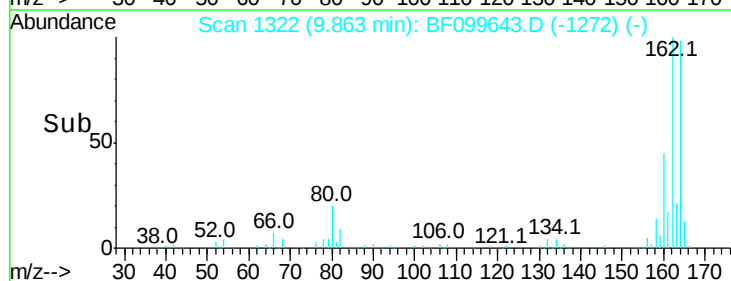
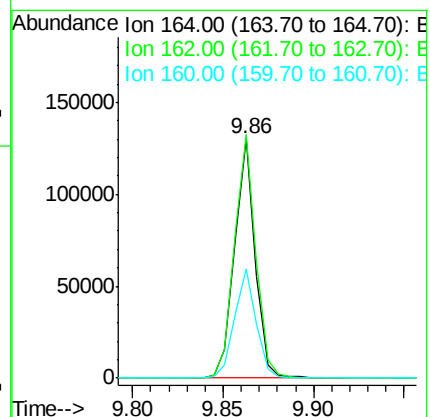
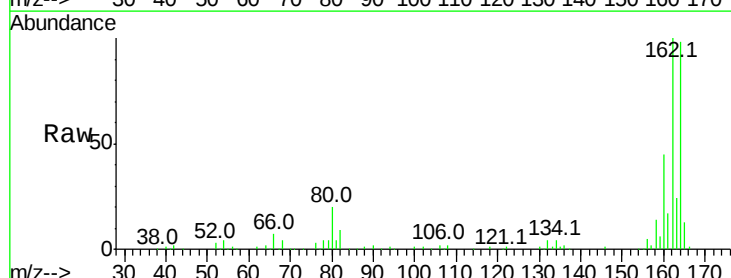
Tgt Ion:164 Resp: 103165

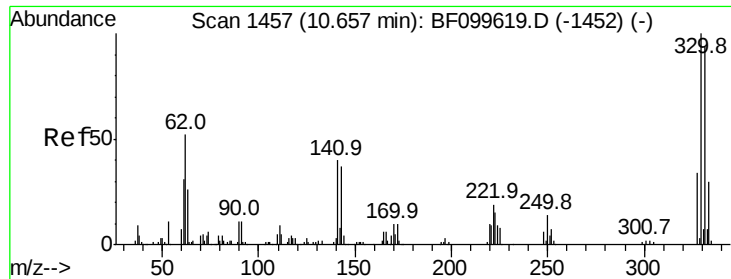
Ion Ratio Lower Upper

164 100

162 101.8 86.1 129.1

160 45.6 38.3 57.5

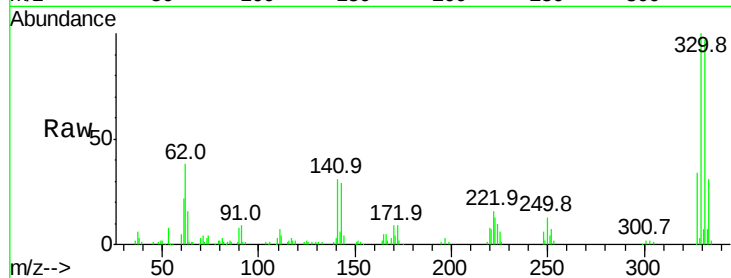




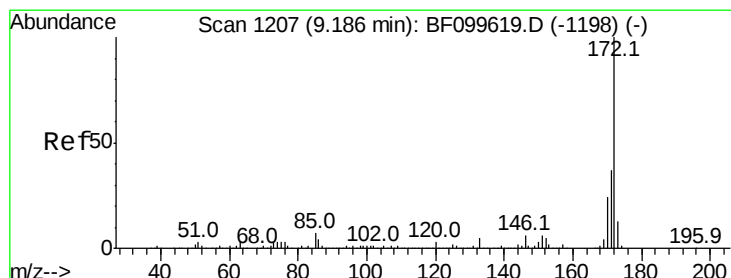
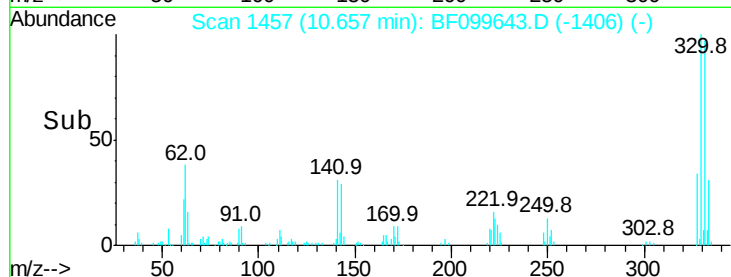
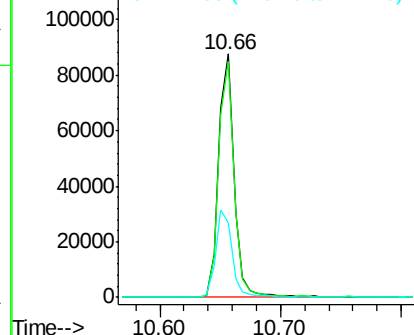
#41
 2,4,6-Tribromophenol
 Concen: 91.036 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099643.D
 Acq: 19 Oct 2017 3:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	37.7	29.9	44.9

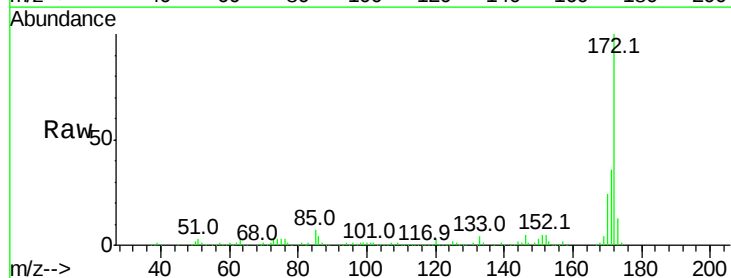


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

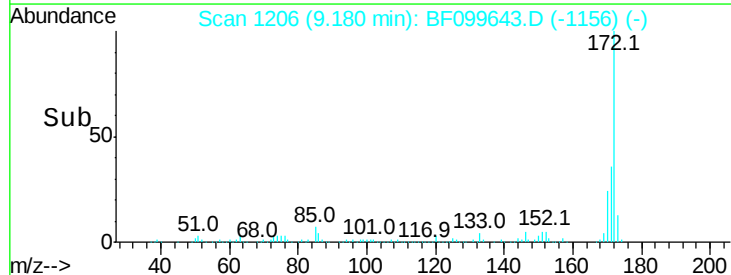
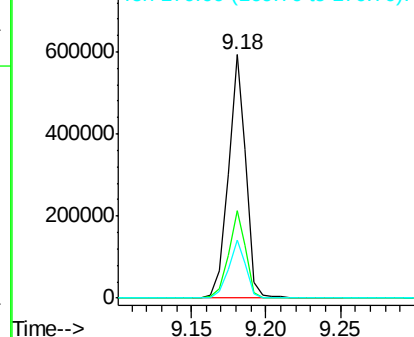


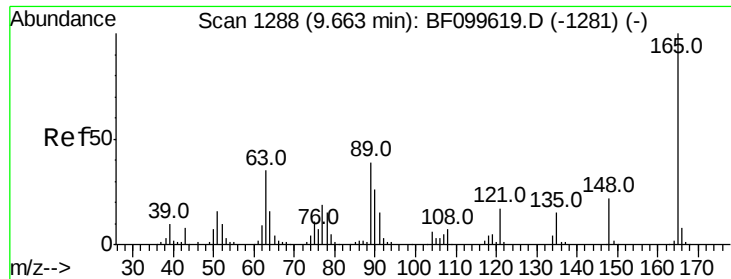
#44
 2-Fluorobiphenyl
 Concen: 79.592 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099643.D
 Acq: 19 Oct 2017 3:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.9	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

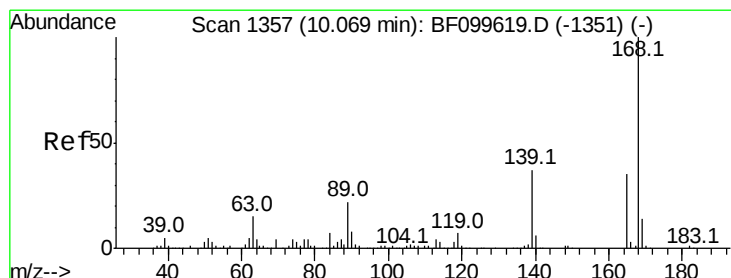
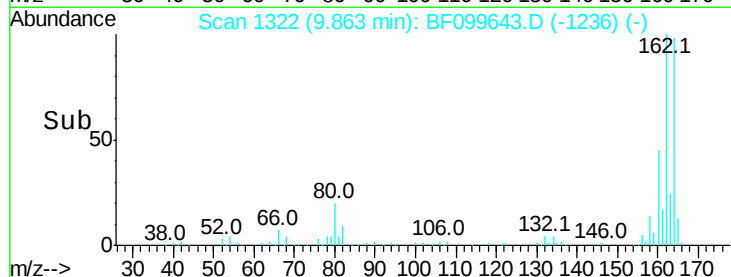
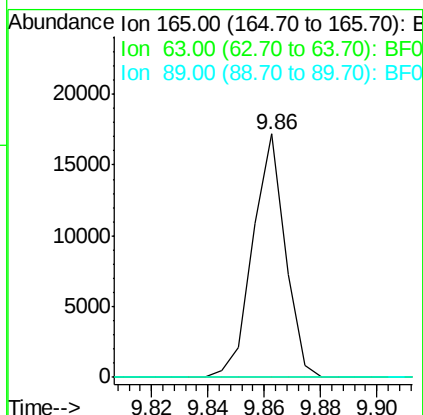
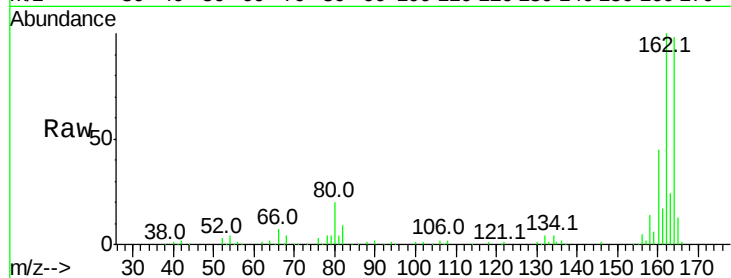




#50
 2,6-Dinitrotoluene
 Concen: 8.075 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF099643.D
 Acq: 19 Oct 2017 3:14

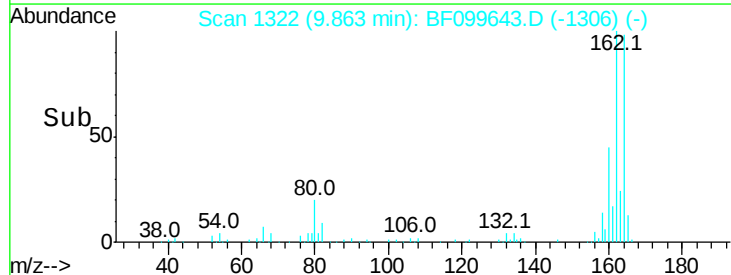
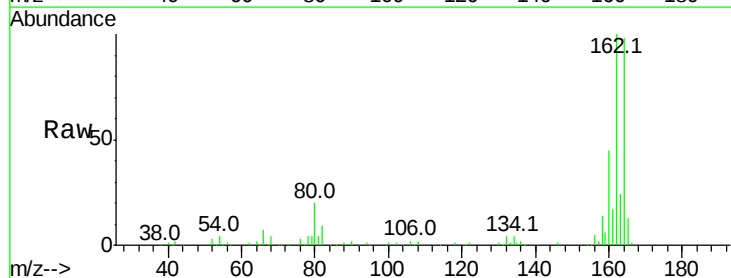
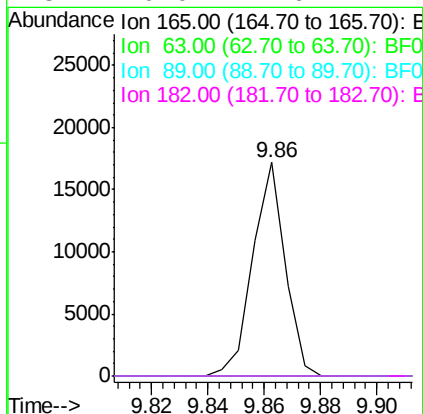
Instrument :
 BNA_F
 ClientSampleId :

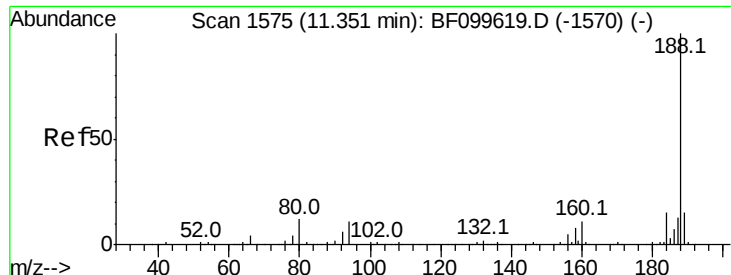
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.222 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.21 min
 Lab File: BF099643.D
 Acq: 19 Oct 2017 3:14

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#

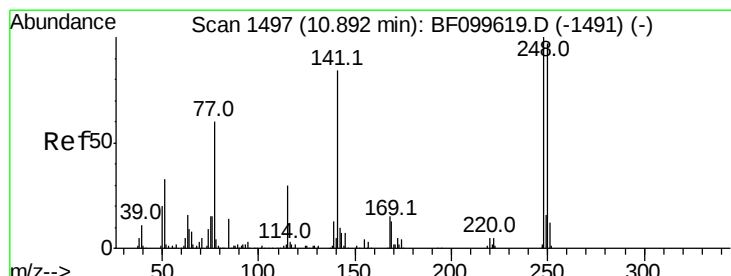
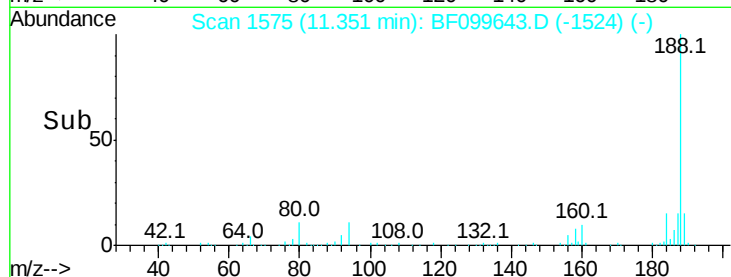
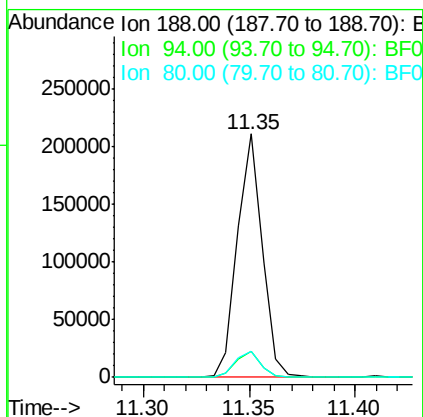
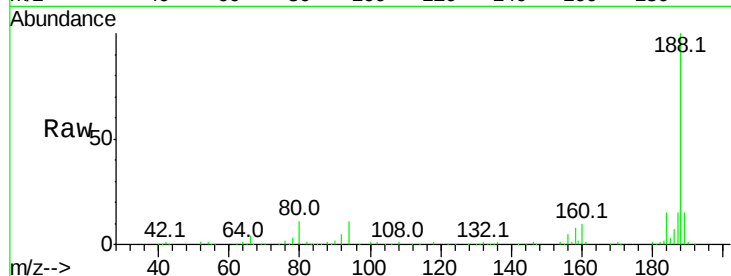




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099643.D
 Acq: 19 Oct 2017 3:14

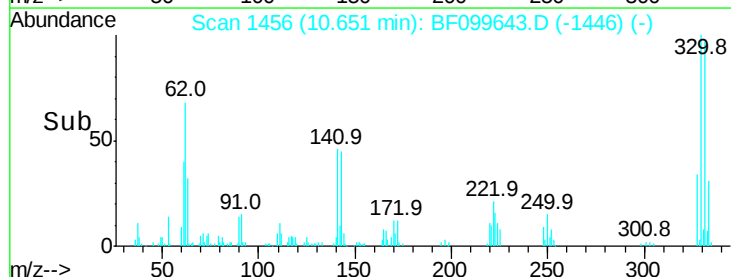
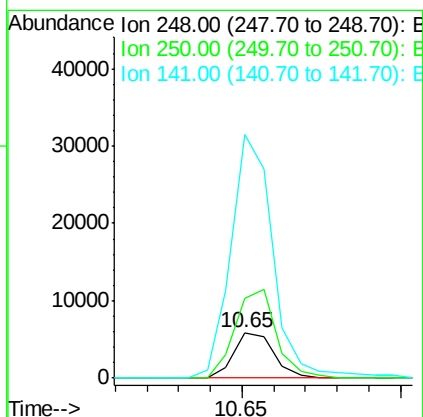
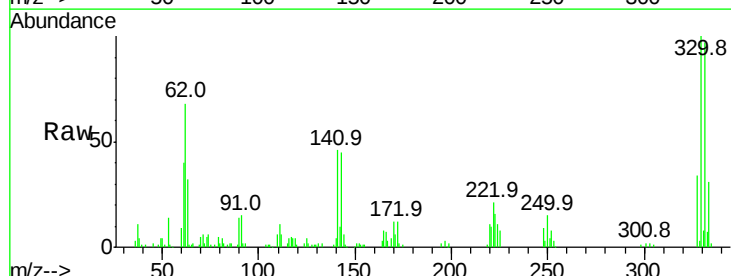
Instrument :
 BNA_F
 ClientSampleId :

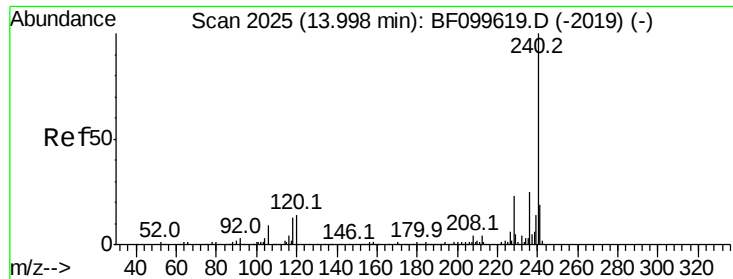
Tot Ion:188 Resp: 171363
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 10.6 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.060 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.24 min
 Lab File: BF099643.D
 Acq: 19 Oct 2017 3:14

Tgt Ion:248 Resp: 5132
 Ion Ratio Lower Upper
 248 100
 250 177.0 76.9 115.3#
 141 536.2 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099643.D

Acq: 19 Oct 2017 3:14

Instrument :

BNA_F

ClientSampled :

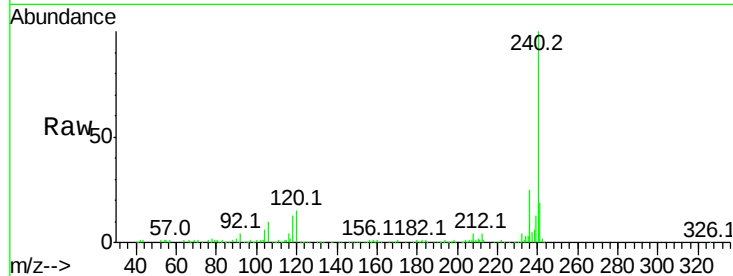
Tot Ion:240 Resp: 179043

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

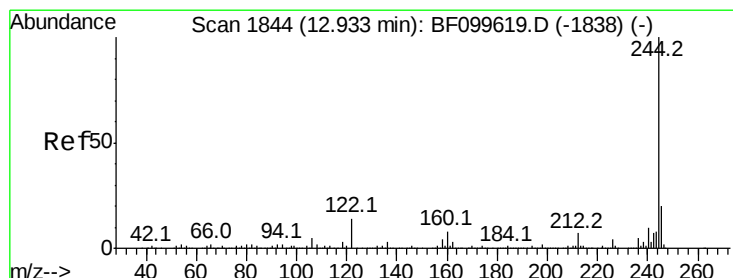
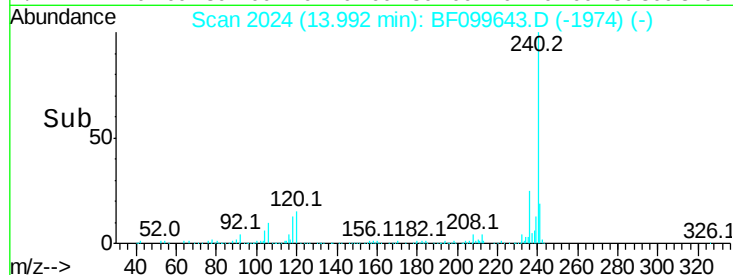
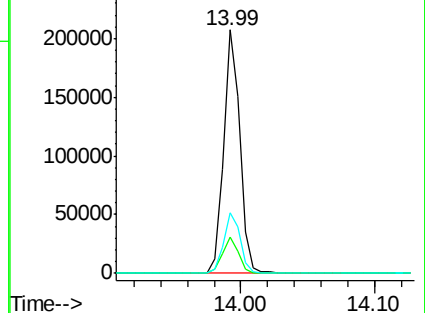
236 25.0 20.7 31.1



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: 52.752 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099643.D

Acq: 19 Oct 2017 3:14

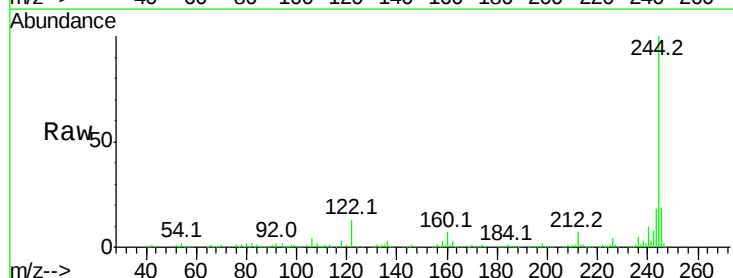
Tgt Ion:244 Resp: 415309

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

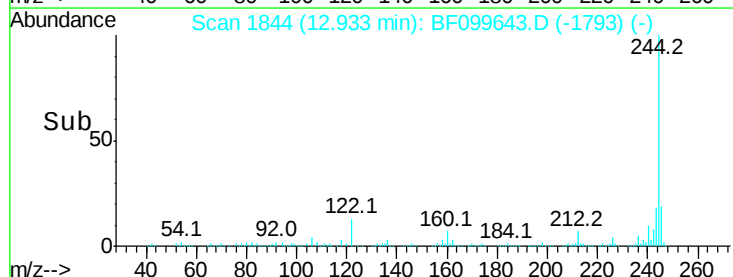
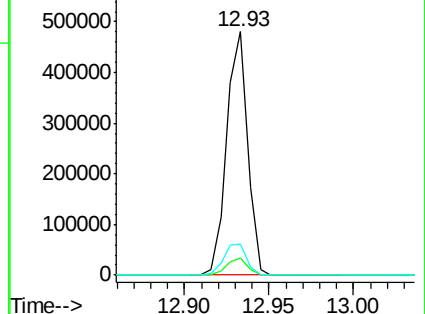
122 12.8 11.0 16.4

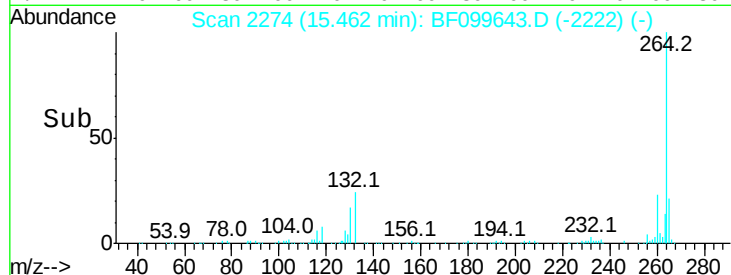
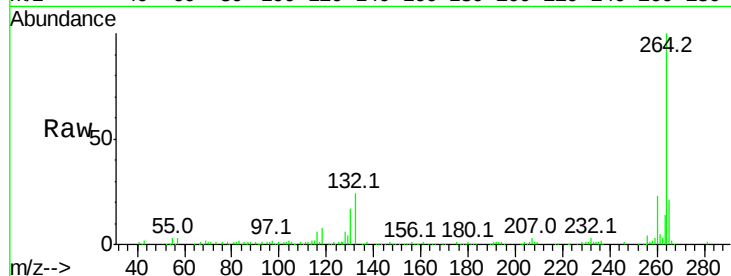
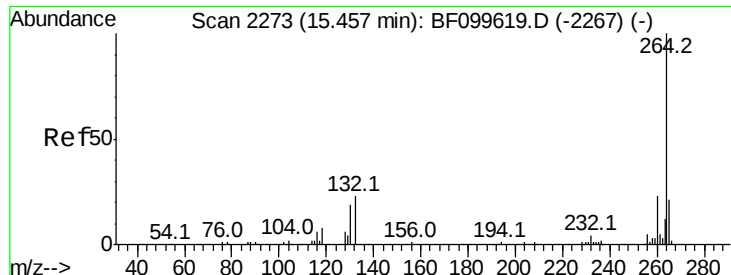


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF099643.D
 Acq: 19 Oct 2017 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	138165
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.2	28.8
265	21.0	17.5	26.3

