

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101317\
 Data File : BF099450.D
 Acq On : 13 Oct 2017 20:12
 Operator : SJ/JU
 Sample : I5819-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 22:52:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

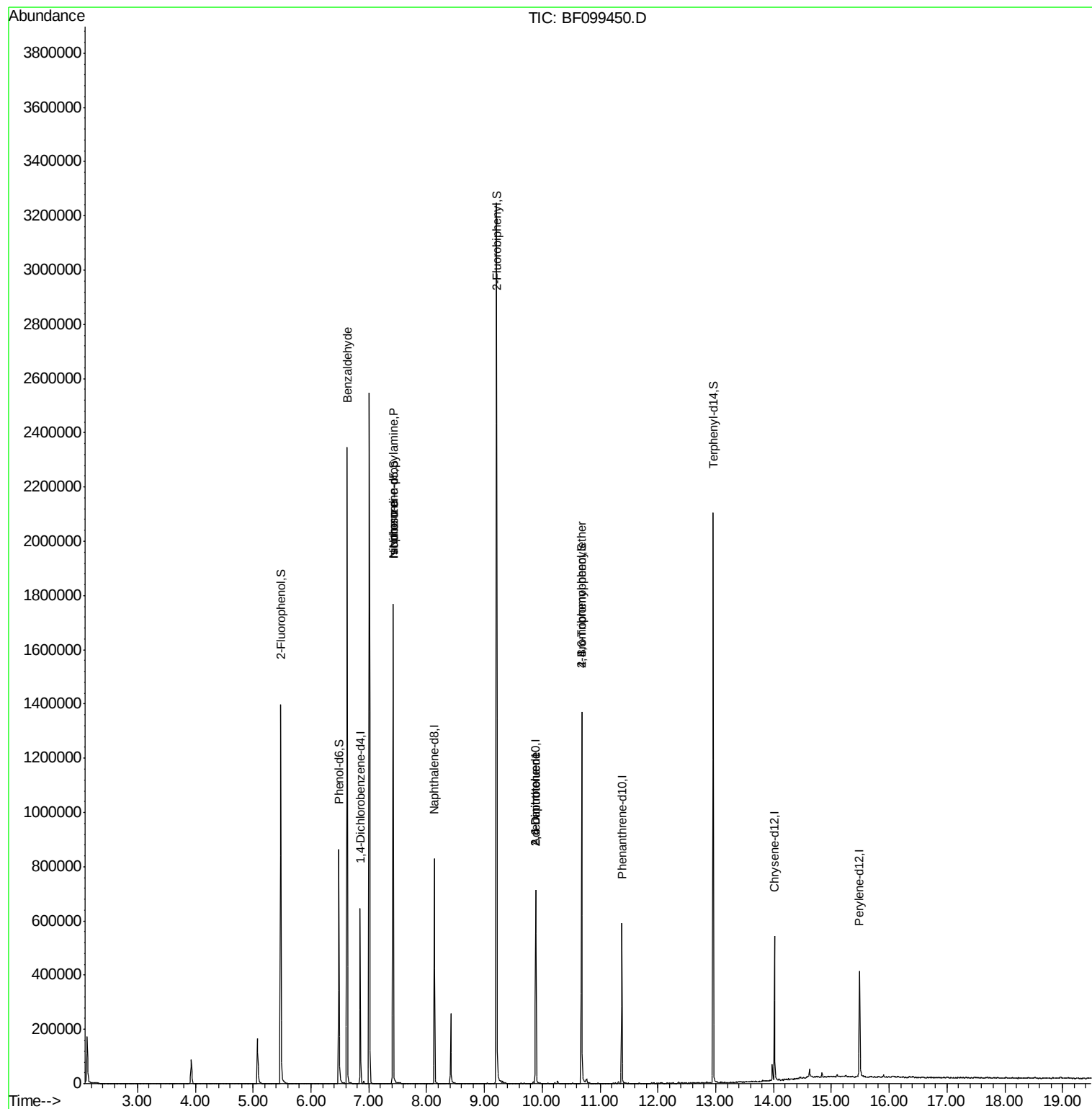
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	91381	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	353342	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	138186	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	198430	20.00	ng	0.00
75) Chrysene-d12	14.02	240	161158	20.00	ng	0.00
86) Perylene-d12	15.49	264	181420	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	417798	72.78	ng	0.00
7) Phenol-d6	6.48	99	300553	42.44	ng	0.00
23) Nitrobenzene-d5	7.42	82	614435	111.52	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	157443	139.24	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1054994	127.45	ng	0.00
78) Terphenyl-d14	12.96	244	672072	94.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	13383	3.26	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.42	70	79915	17.68	ng	# 72
25) Isophorone	7.42	82	614431	53.94	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	17247	7.60	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	17247	5.85	ng	# 21
66) 4-Bromophenyl-phenylether	10.68	248	10454	5.38	ng	# 1

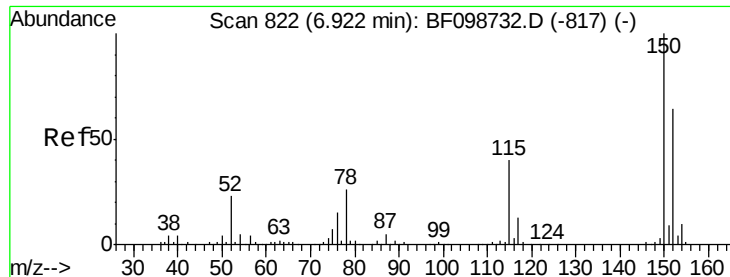
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF099450.D

Acq: 13 Oct 2017 20:12

Instrument :

BNA_F

ClientSampleId :

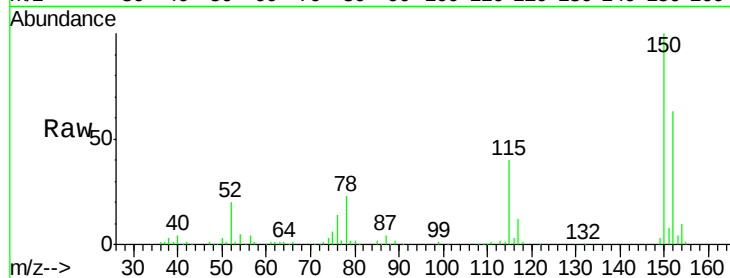
Tot Ion:152 Resp: 91381

Ion Ratio Lower Upper

152 100

150 157.6 124.6 186.8

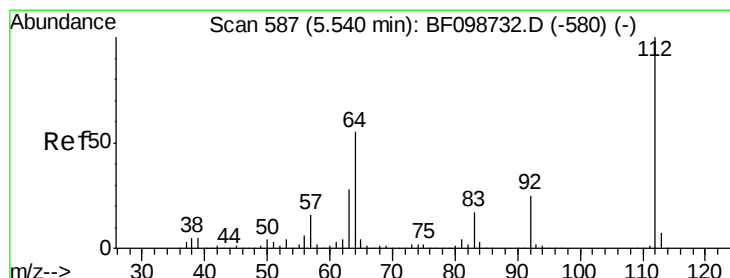
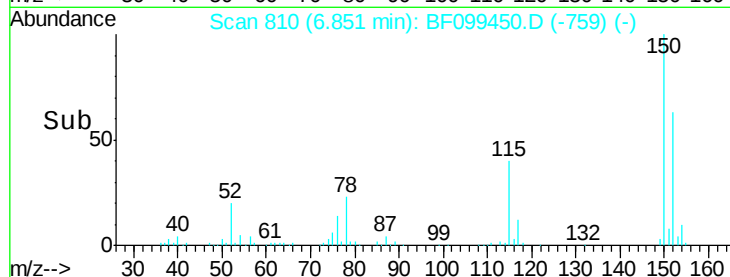
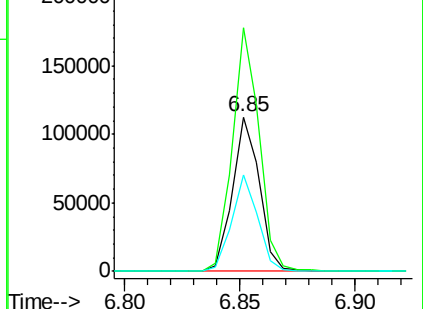
115 62.6 50.1 75.1



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: 72.78 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF099450.D

Acq: 13 Oct 2017 20:12

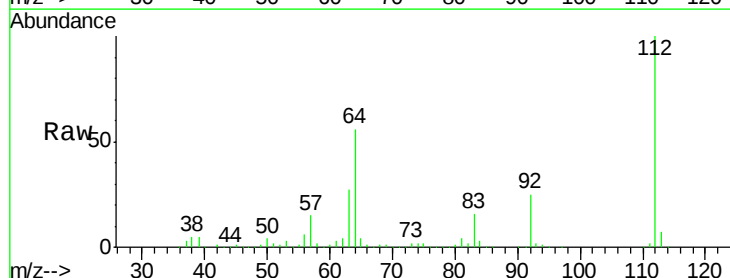
Tgt Ion:112 Resp: 417798

Ion Ratio Lower Upper

112 100

64 56.0 47.9 71.9

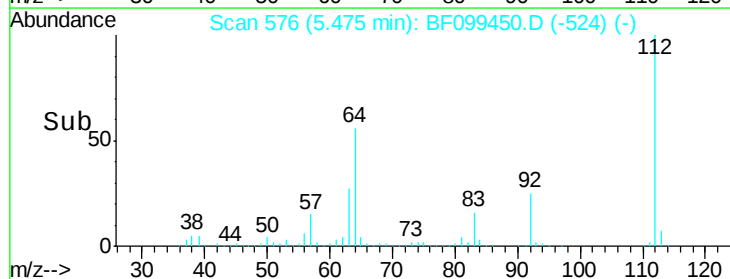
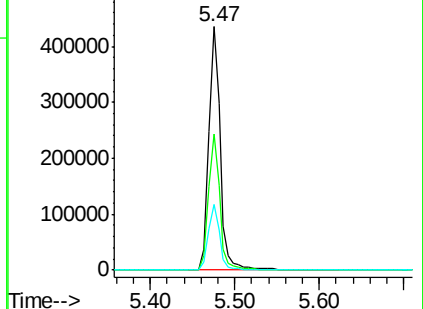
63 26.9 23.7 35.5



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: 42.44 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099450.D

Acq: 13 Oct 2017 20:12

Instrument :

BNA_F

ClientSampleId :

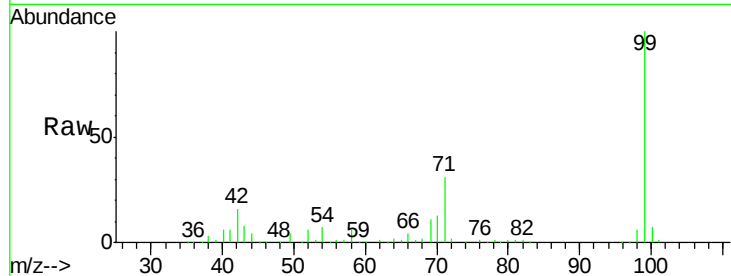
Tot Ion: 99 Resp: 300553

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

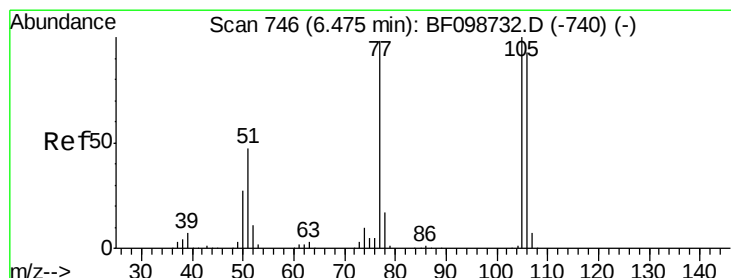
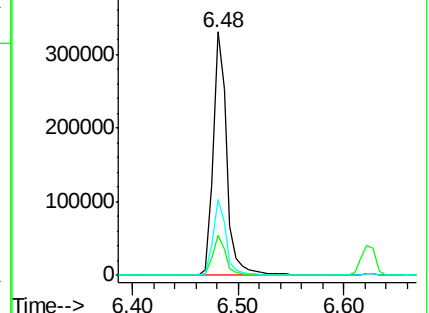
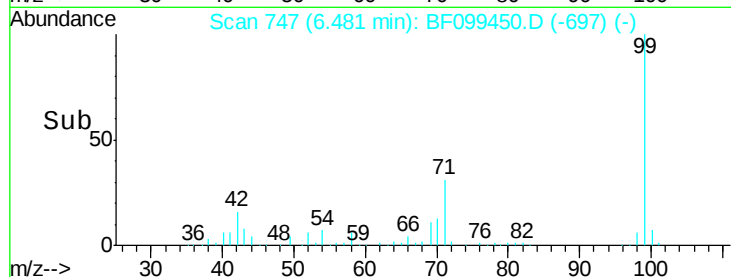
71 31.4 25.4 38.0



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: 3.26 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099450.D

Acq: 13 Oct 2017 20:12

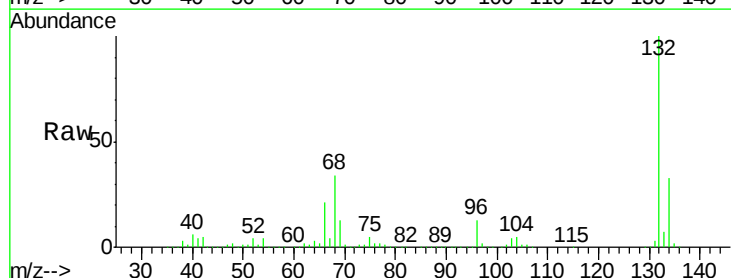
Tgt Ion: 77 Resp: 13383

Ion Ratio Lower Upper

77 100

105 81.5 81.1 121.1

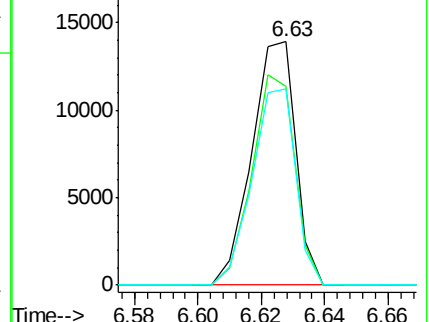
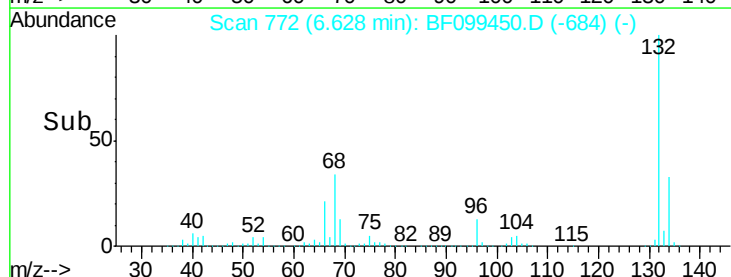
106 80.6 74.5 114.5



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

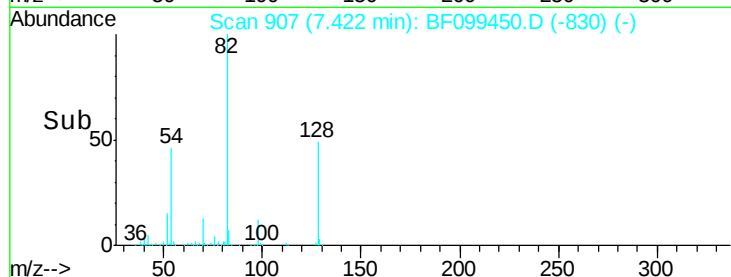
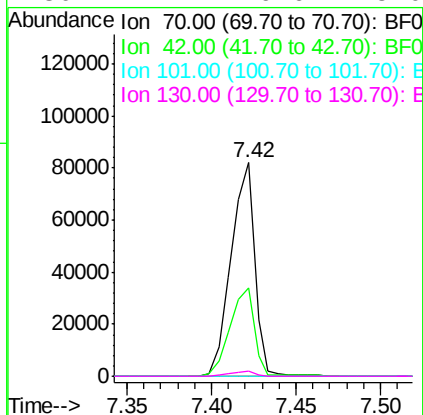
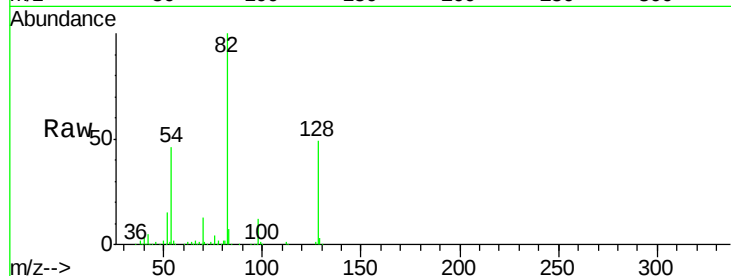




#19
n-Nitroso-di-n-propylamine
Concen: 17.68 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF099450.D
Acq: 13 Oct 2017 20:12

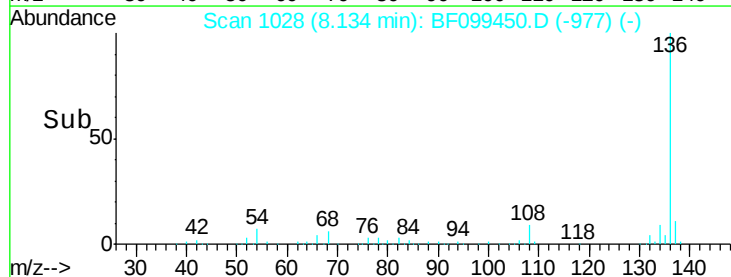
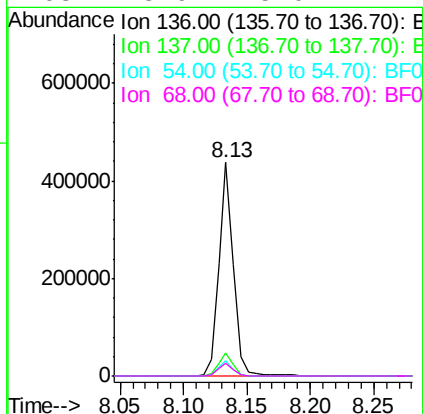
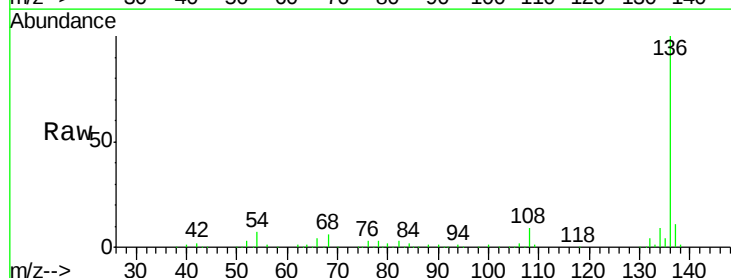
Instrument :
BNA_F
ClientSampleId :

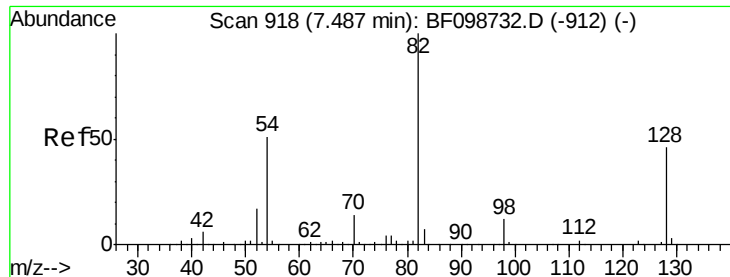
Tot Ion	Ratio	Lower	Upper
70	100		
42	41.1	47.5	71.3#
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF099450.D
Acq: 13 Oct 2017 20:12

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.2	6.6	9.8
68	5.9	5.0	7.4

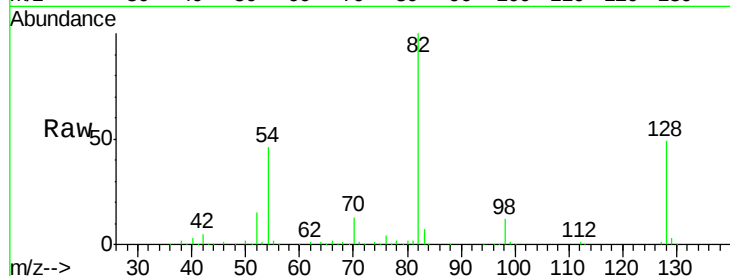




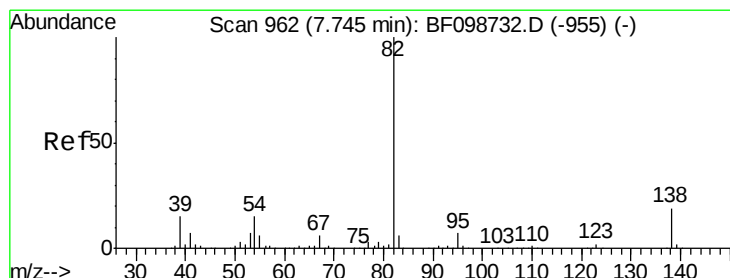
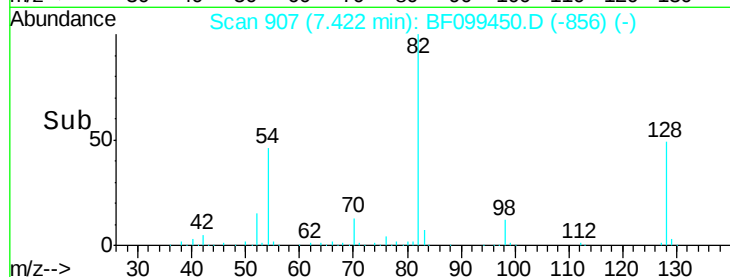
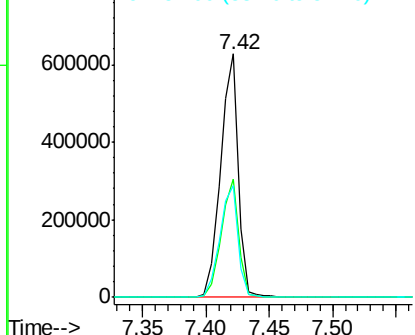
#23
Nitrobenzene-d5
Concen: 111.52 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF099450.D
Acq: 13 Oct 2017 20:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 614435
Ion Ratio Lower Upper
82 100
128 48.8 36.1 54.1
54 45.7 41.4 62.2

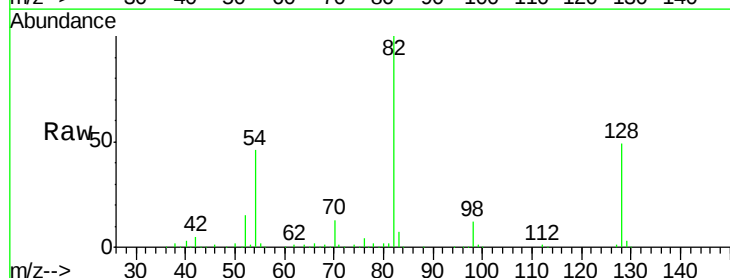


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

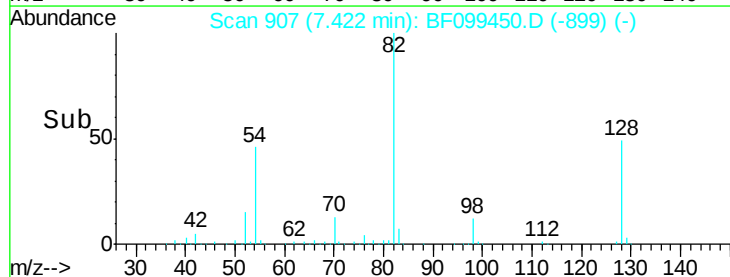
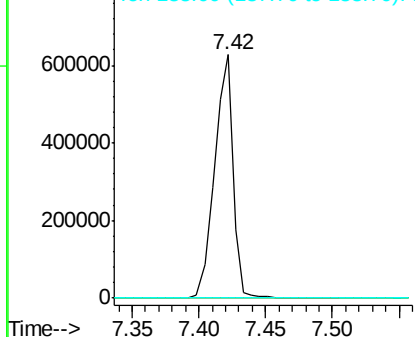


#25
Isophorone
Concen: 53.94 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.25 min
Lab File: BF099450.D
Acq: 13 Oct 2017 20:12

Tgt Ion: 82 Resp: 614431
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: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099450.D

Acq: 13 Oct 2017 20:12

Instrument :

BNA_F

ClientSampleId :

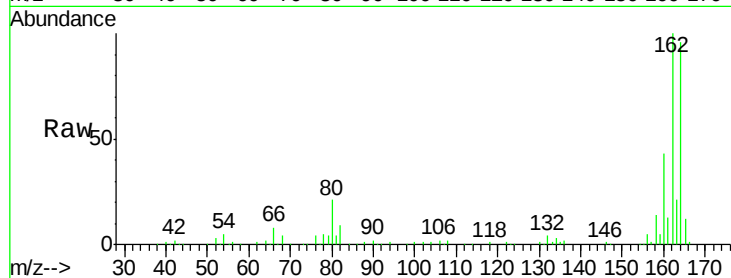
Tot Ion:164 Resp: 138186

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

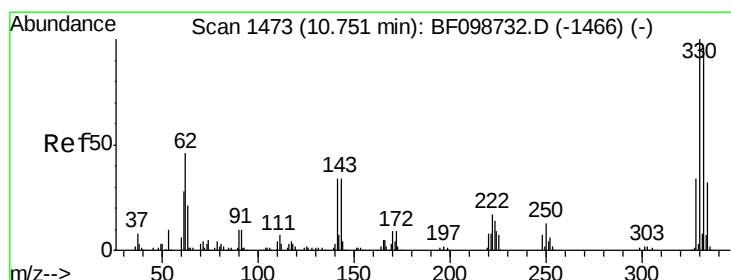
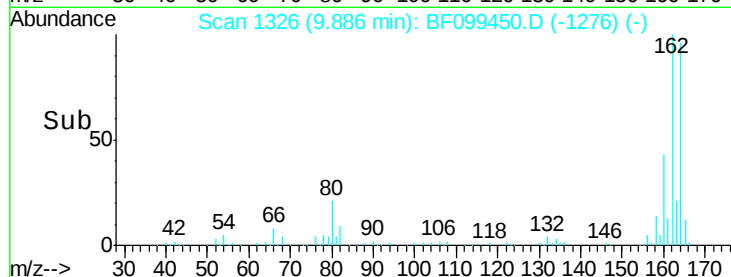
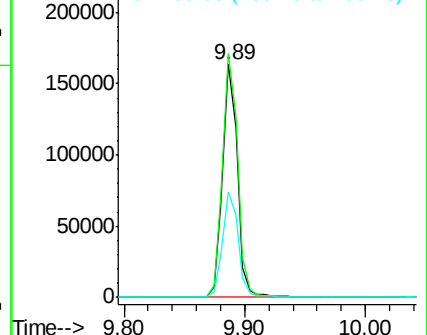
160 45.3 38.3 57.5



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: 139.24 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.00 min

Lab File: BF099450.D

Acq: 13 Oct 2017 20:12

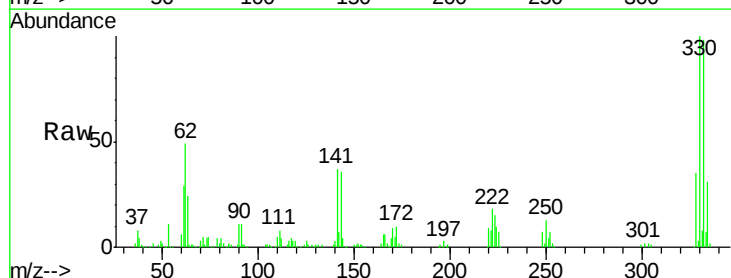
Tgt Ion:330 Resp: 157443

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

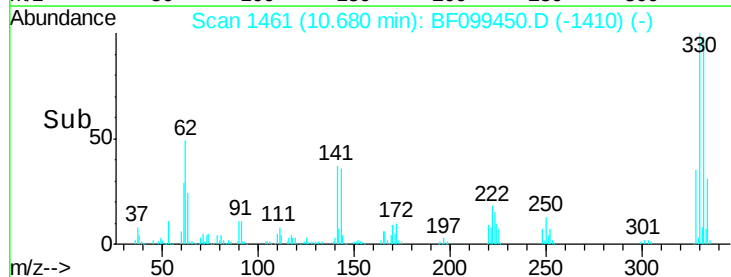
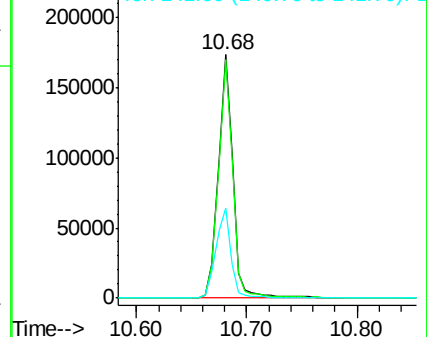
141 38.5 29.9 44.9



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



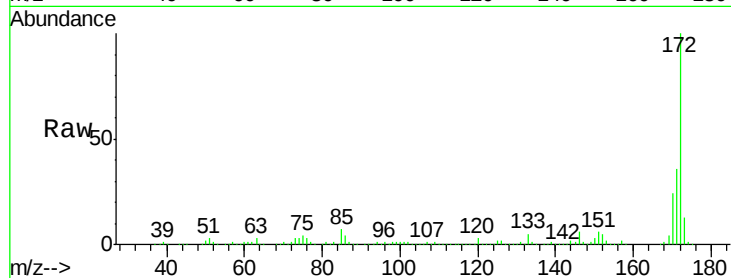


#44
 2-Fluorobiphenyl
 Concen: 127.45 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF099450.D
 Acq: 13 Oct 2017 20:12

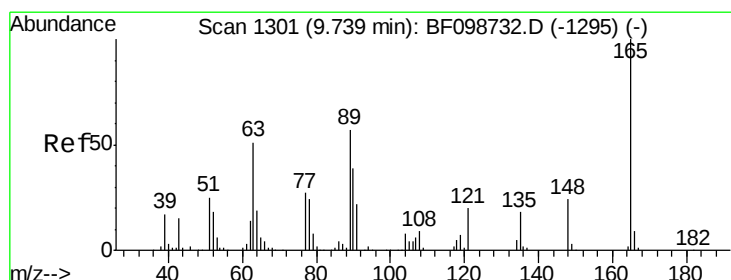
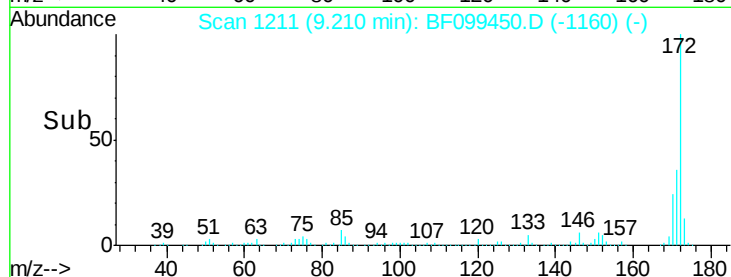
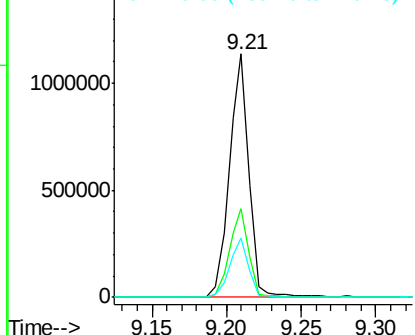
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1054994

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.5	19.6	29.4



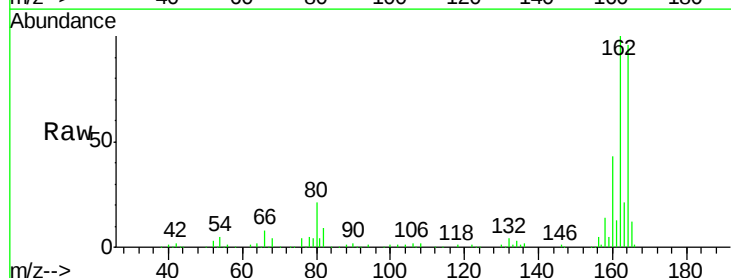
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



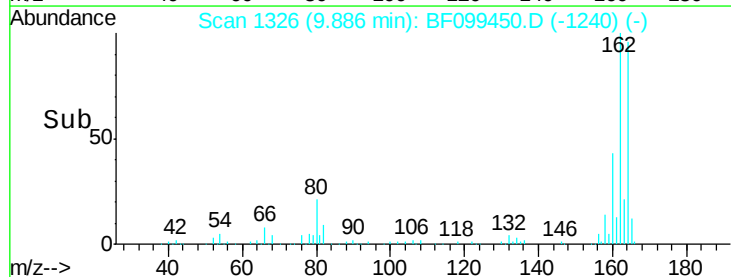
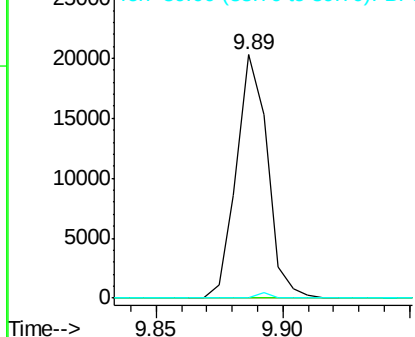
#50
 2,6-Dinitrotoluene
 Concen: 7.60 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF099450.D
 Acq: 13 Oct 2017 20:12

Tgt Ion:165 Resp: 17247

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

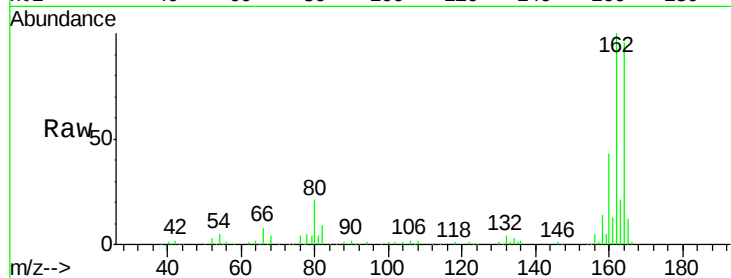




#56
2,4-Dinitrotoluene
Concen: 5.85 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF099450.D
Acq: 13 Oct 2017 20:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	17247
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#

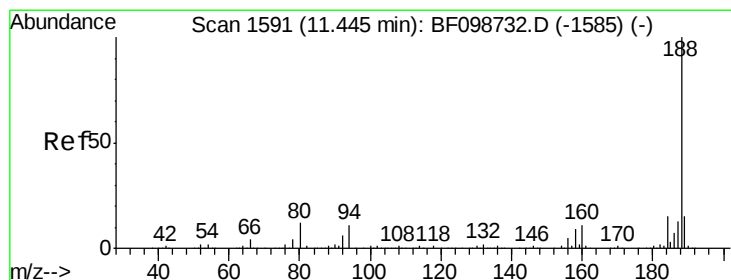
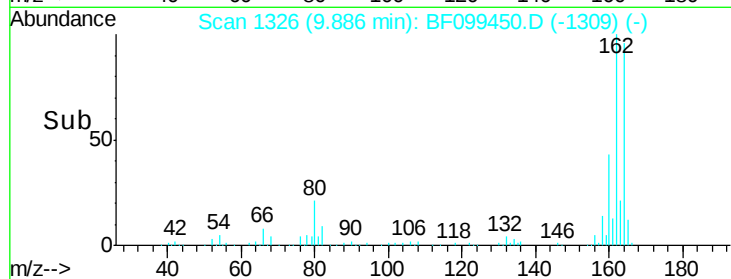
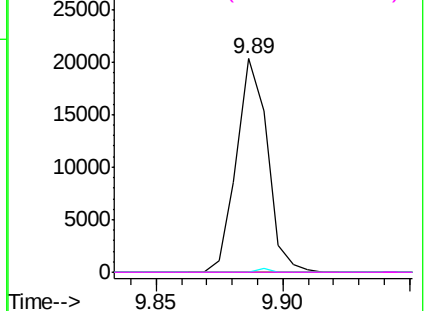


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

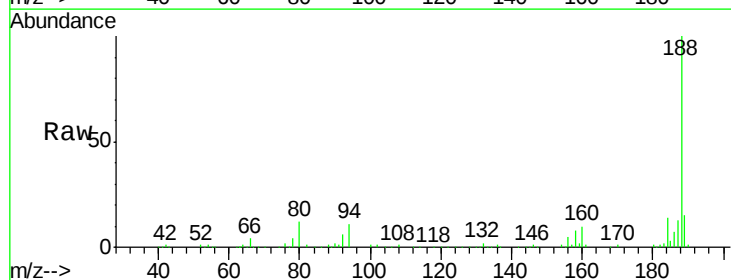
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF099450.D
Acq: 13 Oct 2017 20:12

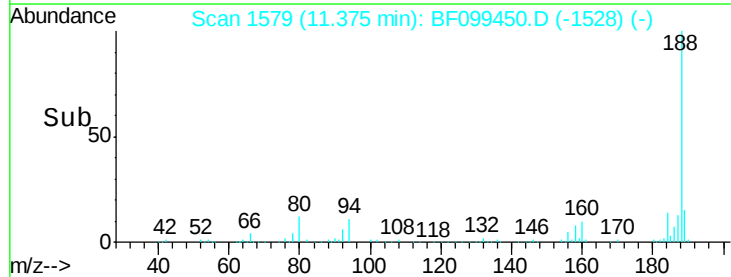
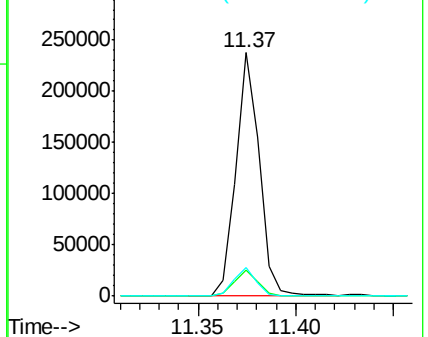
Tgt Ion:188	Resp:	198430
Ion Ratio	Lower	Upper
188	100	
94	10.8	8.5 12.7
80	11.7	9.2 13.8

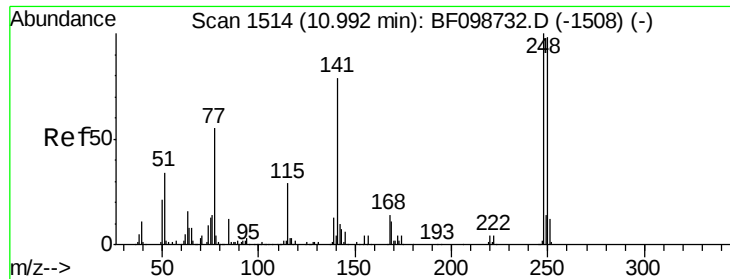


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

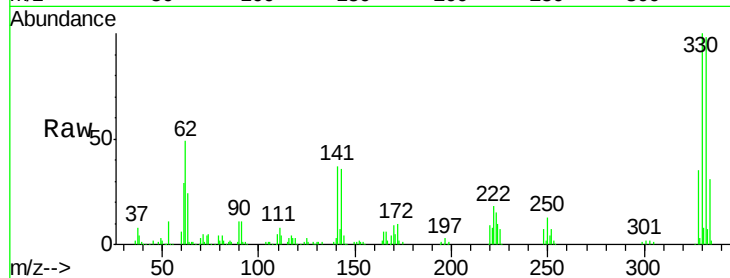




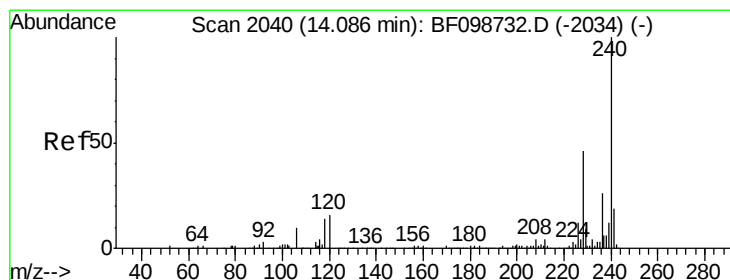
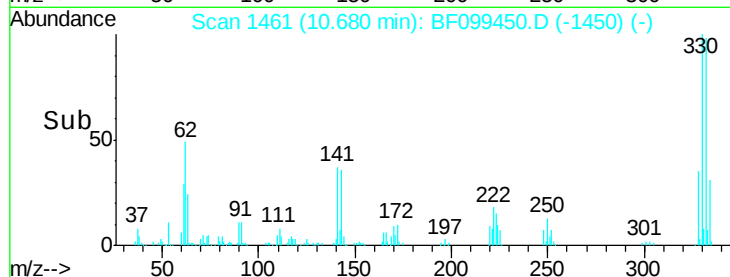
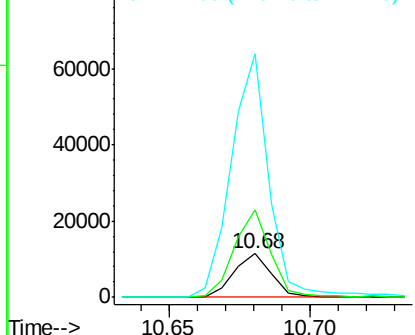
#66
4-Bromophenyl-phenylether
Concen: 5.38 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099450.D
Acq: 13 Oct 2017 20:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10454
Ion Ratio Lower Upper
248 100
250 199.6 76.9 115.3#
141 558.7 74.4 111.6#

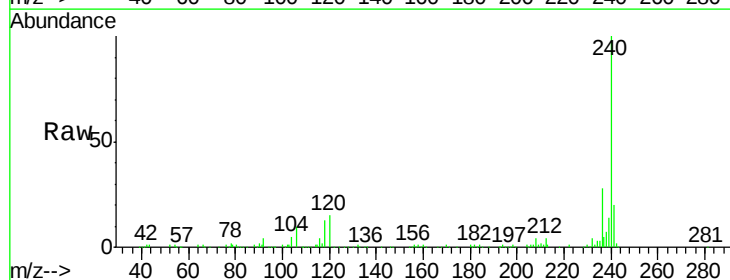


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

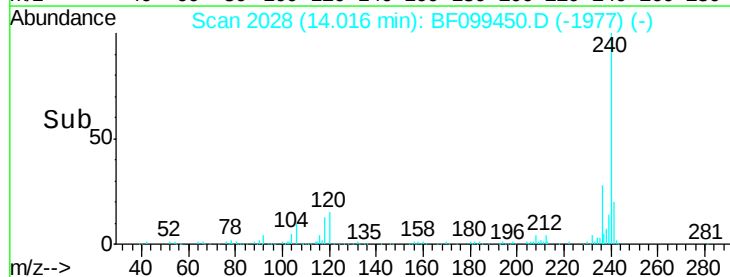
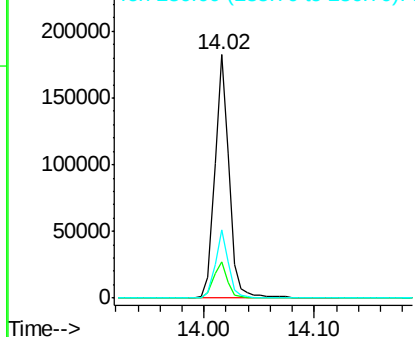


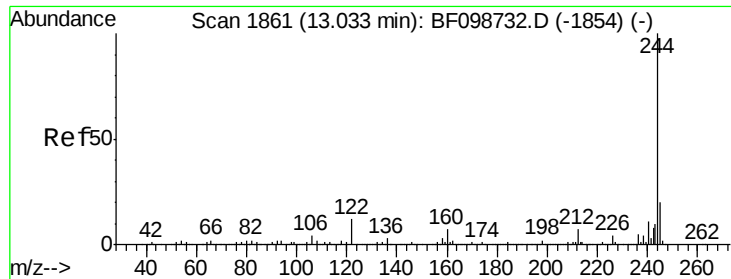
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF099450.D
Acq: 13 Oct 2017 20:12

Tgt Ion:240 Resp: 161158
Ion Ratio Lower Upper
240 100
120 14.9 9.5 14.3#
236 27.8 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: 94.84 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BF099450.D

Acq: 13 Oct 2017 20:12

Instrument :

BNA_F

ClientSampled :

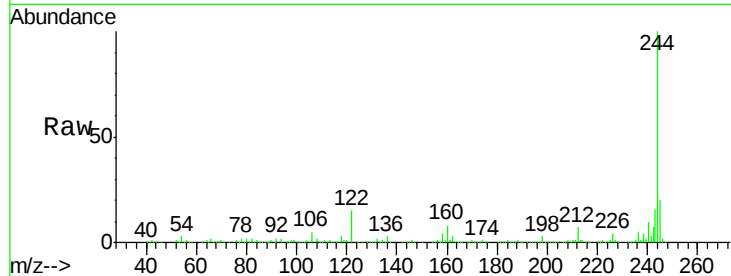
Tot Ion:244 Resp: 672072

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

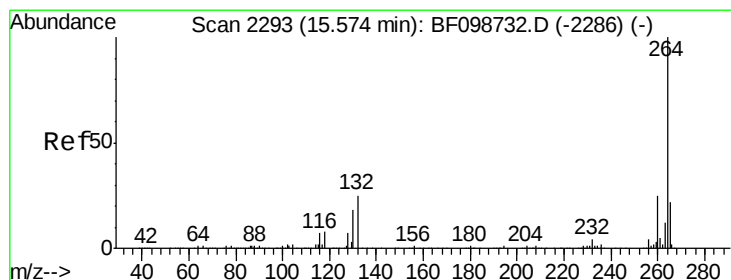
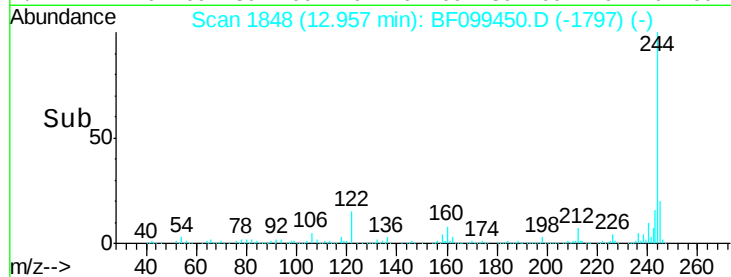
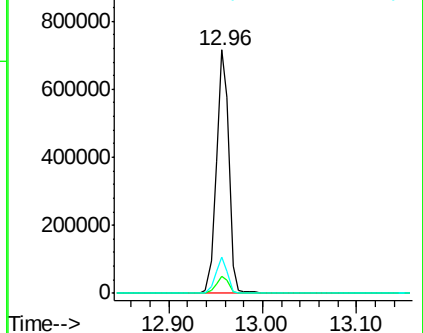
122 14.9 11.0 16.4



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: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF099450.D

Acq: 13 Oct 2017 20:12

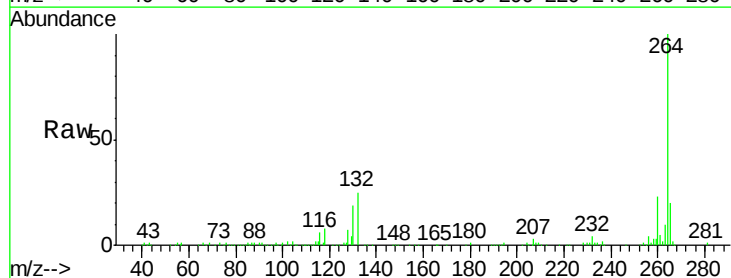
Tgt Ion:264 Resp: 181420

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 20.1 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

