

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099426.D
 Acq On : 13 Oct 2017 7:26
 Operator : SJ/JU
 Sample : I5777-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 08:16:13 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

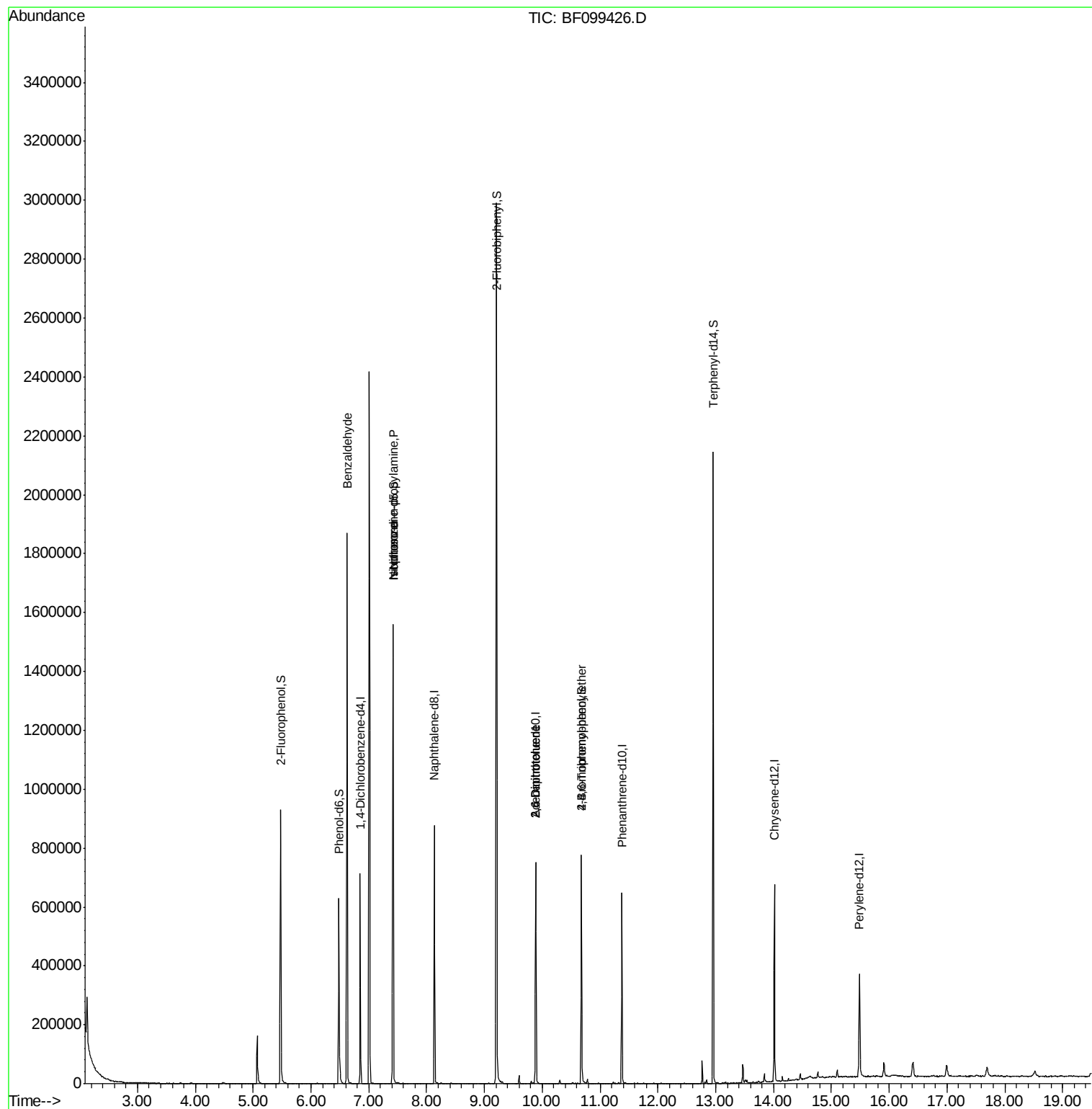
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	100630	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	377894	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	138294	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	218555	20.00	ng	0.00
75) Chrysene-d12	14.02	240	206322	20.00	ng	0.00
86) Perylene-d12	15.49	264	155775	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	287519	45.48	ng	0.00
7) Phenol-d6	6.48	99	208450	26.73	ng	0.00
23) Nitrobenzene-d5	7.42	82	568253	96.43	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	94798	83.77	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	954524	115.23	ng	0.00
78) Terphenyl-d14	12.96	244	740378	81.61	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	9299	2.06	ng	Qvalue 81
19) n-Nitroso-di-n-propylamine	7.42	70	73059	14.67	ng	# 73
25) Isophorone	7.42	82	568246	46.64	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	17694	7.79	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	17694	6.00	ng	# 21
66) 4-Bromophenyl-phenylether	10.68	248	6547	3.06	ng	# 1

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

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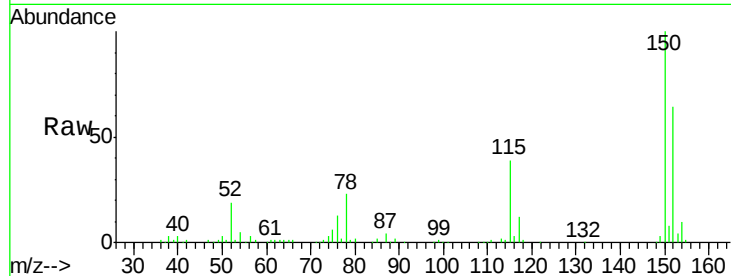


#1

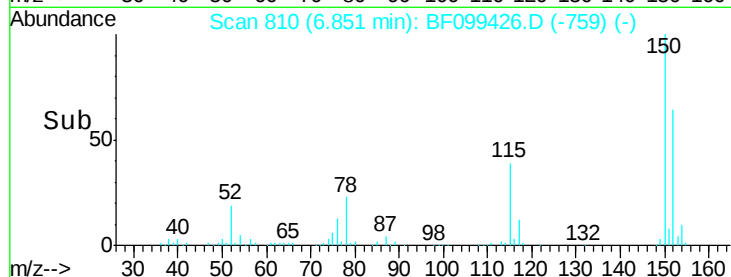
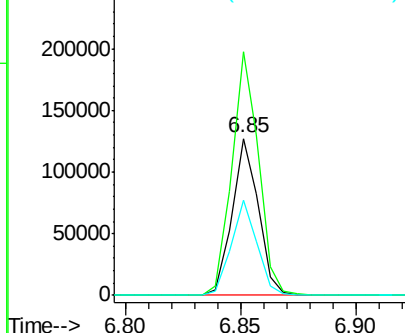
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099426.D
Acq: 13 Oct 2017 7:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 100630
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 60.6 50.1 75.1



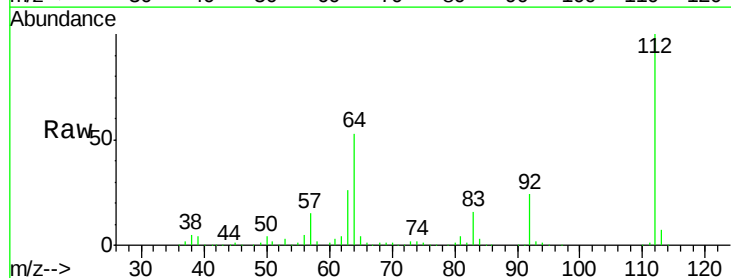
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



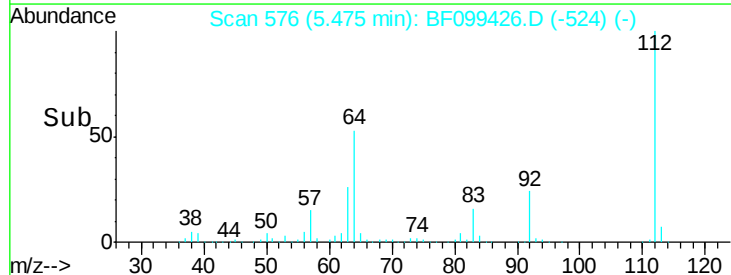
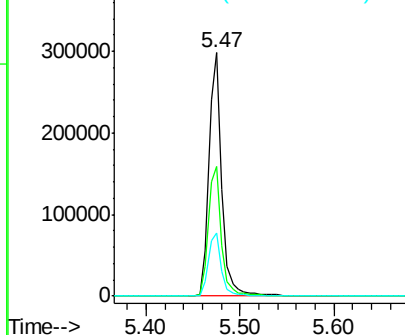
#5

2-Fluorophenol
Concen: 45.48 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF099426.D
Acq: 13 Oct 2017 7:26

Tgt Ion:112 Resp: 287519
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 25.8 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: 26.73 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099426.D

Acq: 13 Oct 2017 7:26

Instrument :

BNA_F

ClientSampleId :

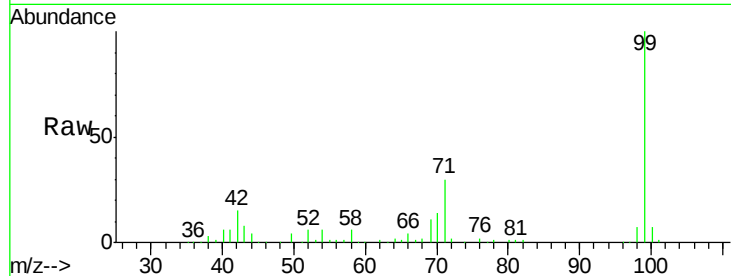
Tot Ion: 99 Resp: 208450

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

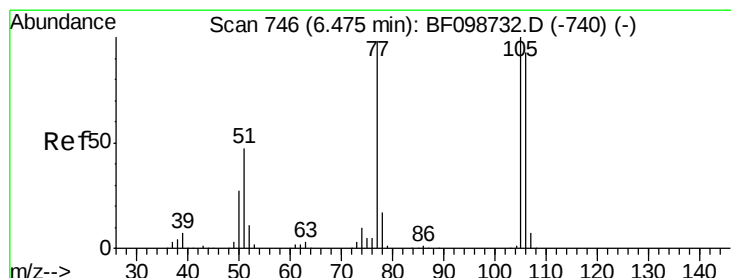
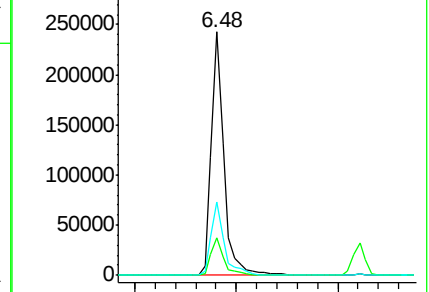
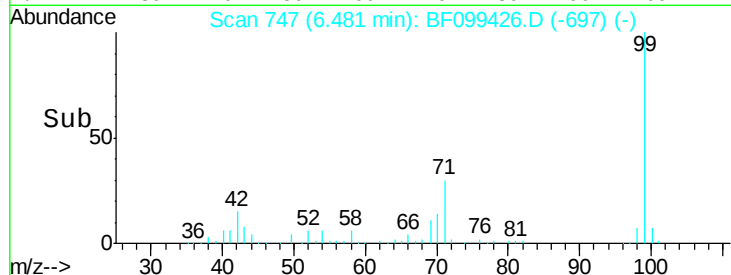
71 30.3 25.4 38.0



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: 2.06 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.21 min

Lab File: BF099426.D

Acq: 13 Oct 2017 7:26

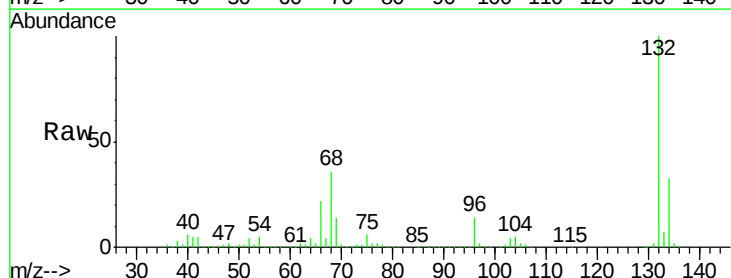
Tgt Ion: 77 Resp: 9299

Ion Ratio Lower Upper

77 100

105 82.1 81.1 121.1

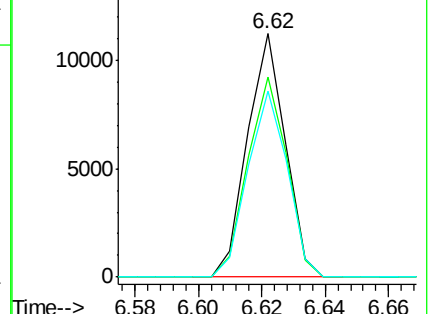
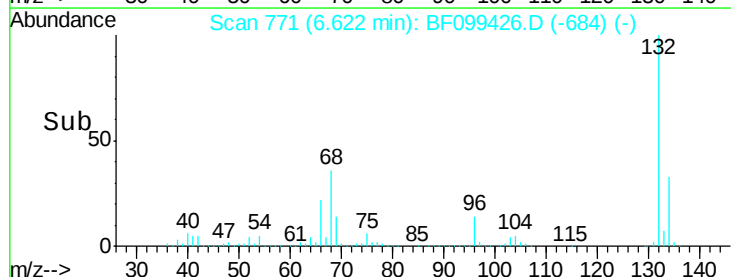
106 76.5 74.5 114.5



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





#19

n-Nitroso-di-n-propylamine

Concen: 14.67 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF099426.D

Acq: 13 Oct 2017 7:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 73059

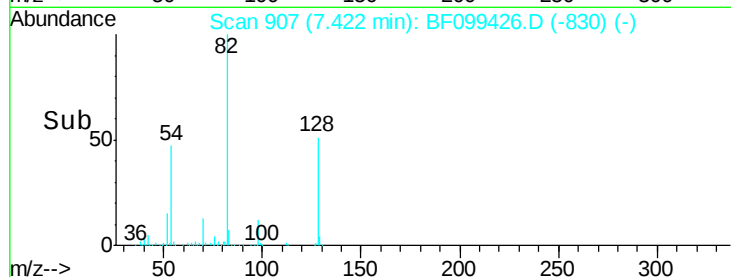
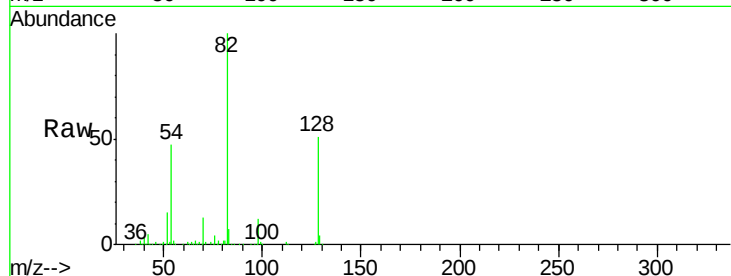
Ion Ratio Lower Upper

70 100

42 42.1 47.5 71.3#

101 0.0 7.4 11.2#

130 3.1 16.6 25.0#

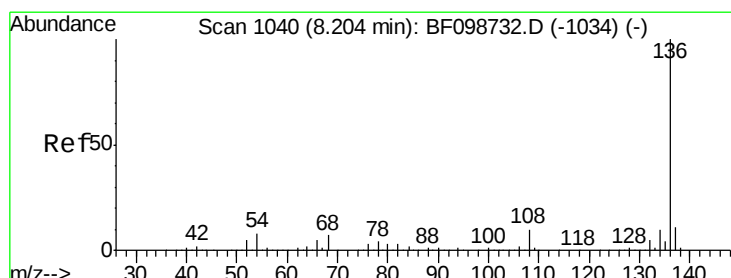
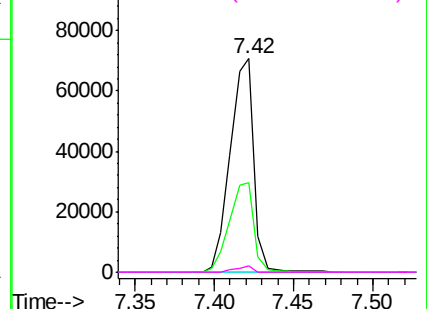


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF099426.D

Acq: 13 Oct 2017 7:26

Tgt Ion: 136 Resp: 377894

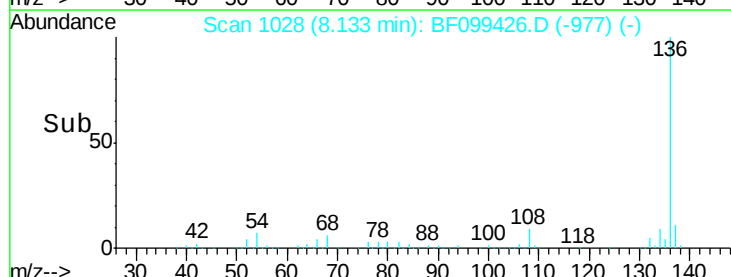
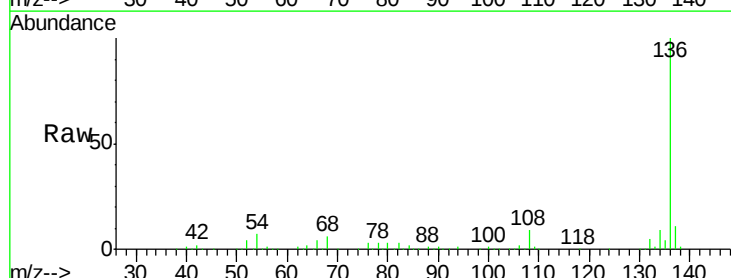
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.3 6.6 9.8

68 5.7 5.0 7.4

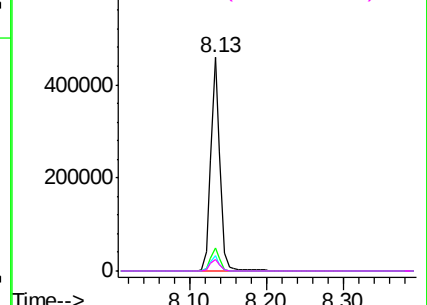


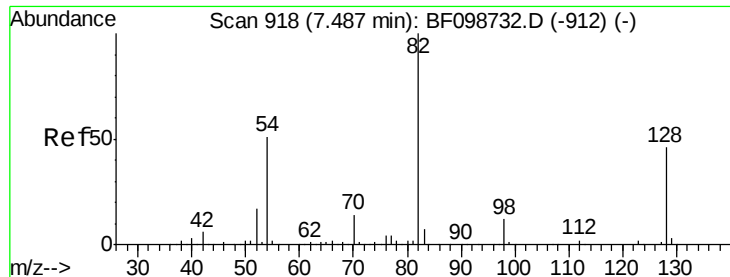
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

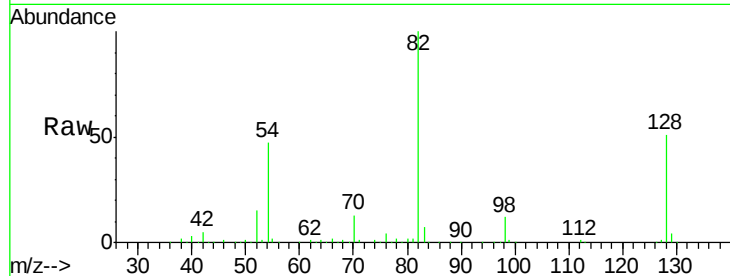




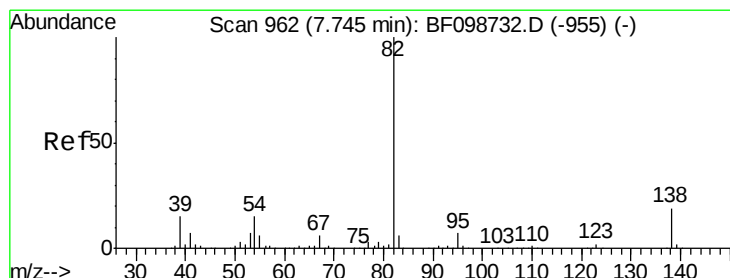
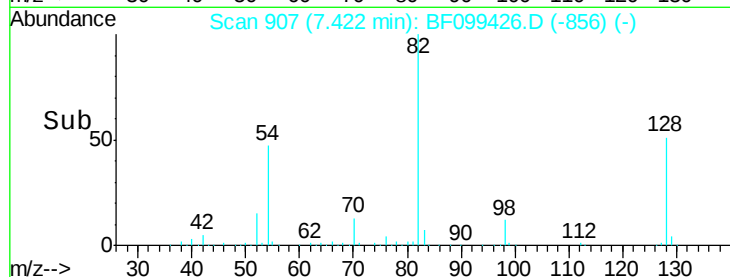
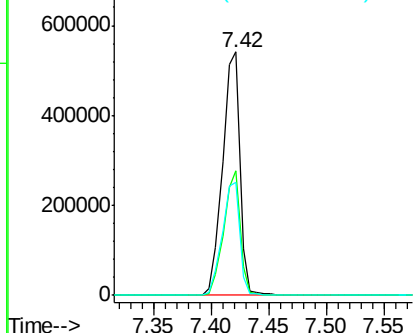
#23
Nitrobenzene-d5
Concen: 96.43 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: BF099426.D
Acq: 13 Oct 2017 7:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	568253
Ion Ratio	Lower	Upper	
82	100		
128	51.4	36.1	54.1
54	46.6	41.4	62.2

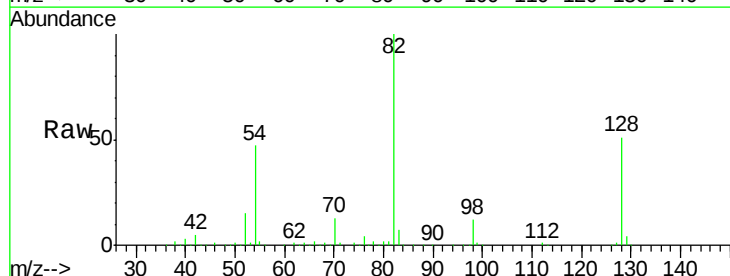


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

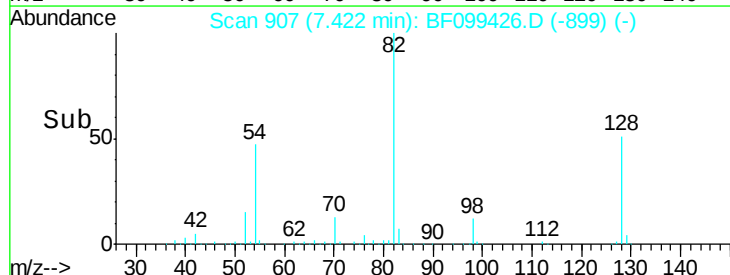
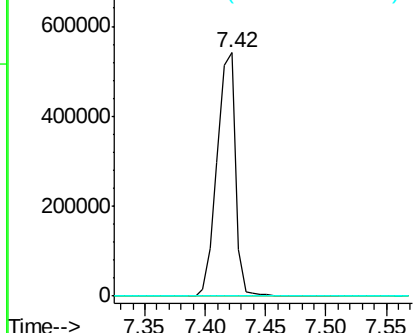


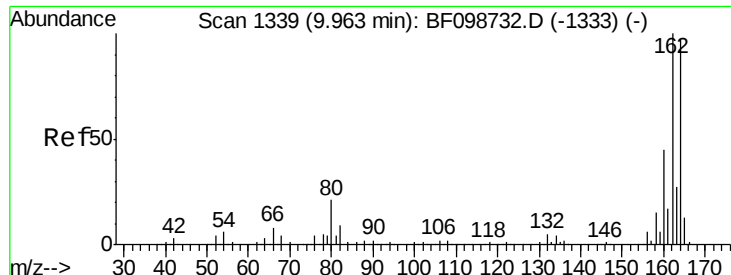
#25
Isophorone
Concen: 46.64 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.25 min
Lab File: BF099426.D
Acq: 13 Oct 2017 7:26

Tgt Ion	82	Resp	568246
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: BF099426.D

Acq: 13 Oct 2017 7:26

Instrument :

BNA_F

ClientSampleId :

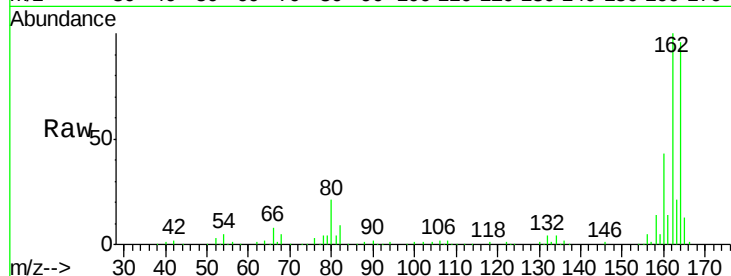
Tot Ion:164 Resp: 138294

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

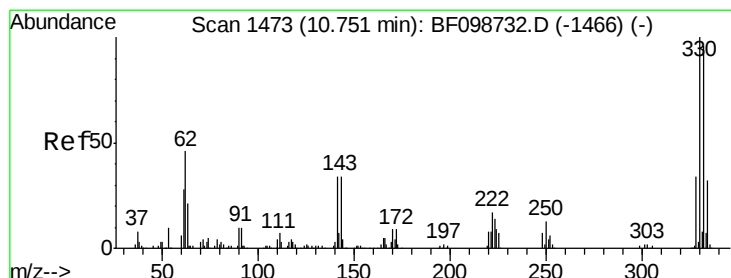
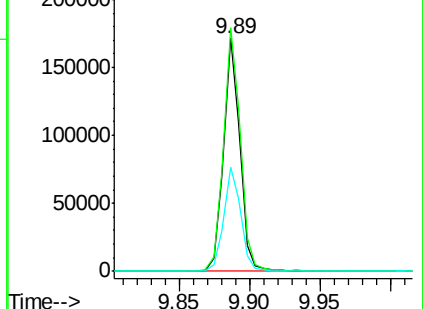
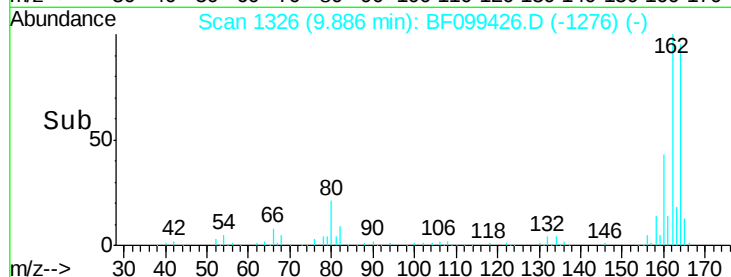
160 44.6 38.3 57.5



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: 83.77 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BF099426.D

Acq: 13 Oct 2017 7:26

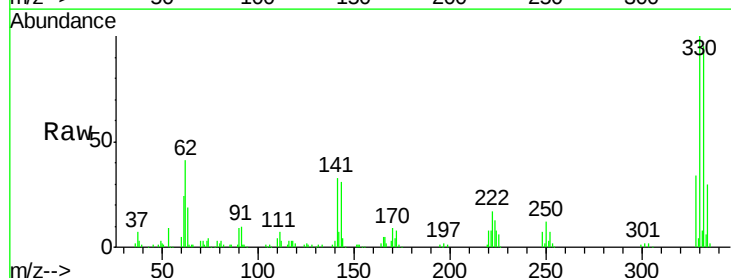
Tgt Ion:330 Resp: 94798

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

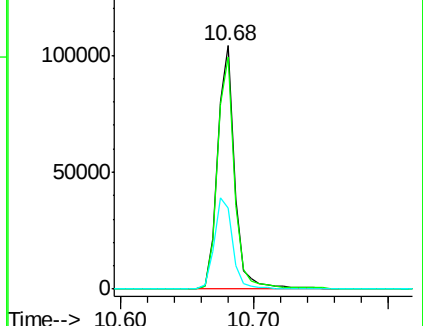
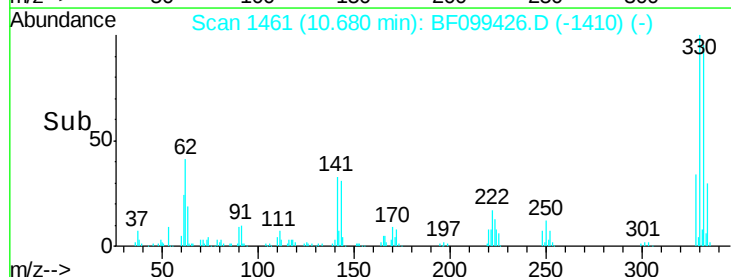
141 40.3 29.9 44.9



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

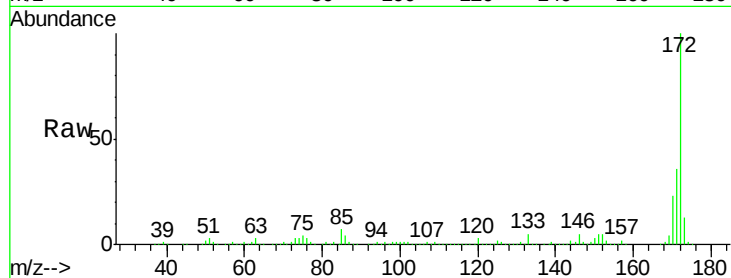




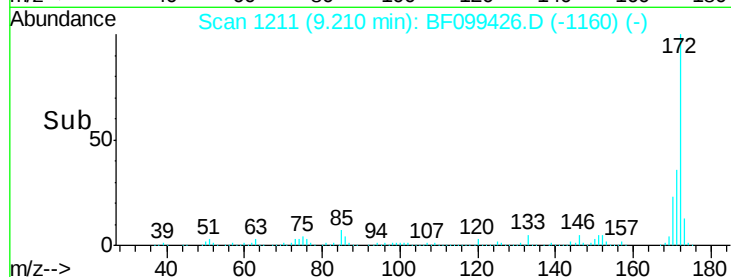
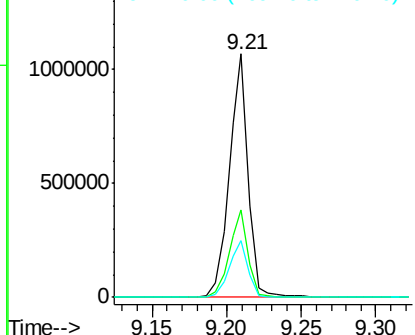
#44
 2-Fluorobiphenyl
 Concen: 115.23 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF099426.D
 Acq: 13 Oct 2017 7:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.4	19.6	29.4

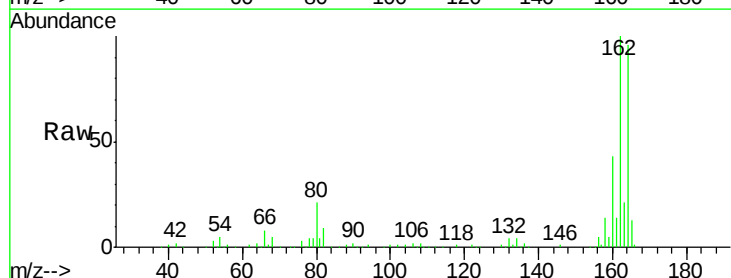


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

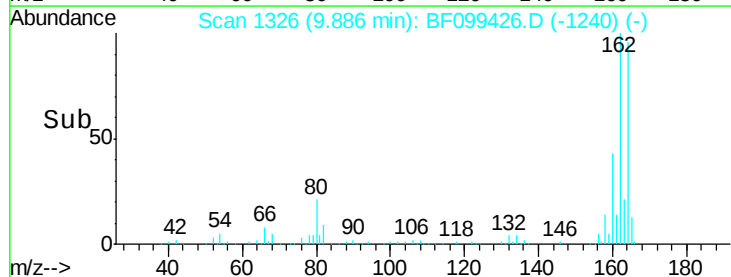
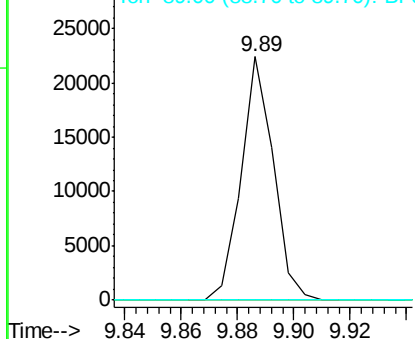


#50
 2,6-Dinitrotoluene
 Concen: 7.79 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF099426.D
 Acq: 13 Oct 2017 7:26

Tgt 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

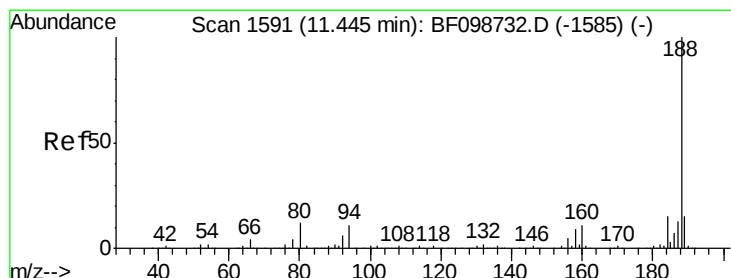
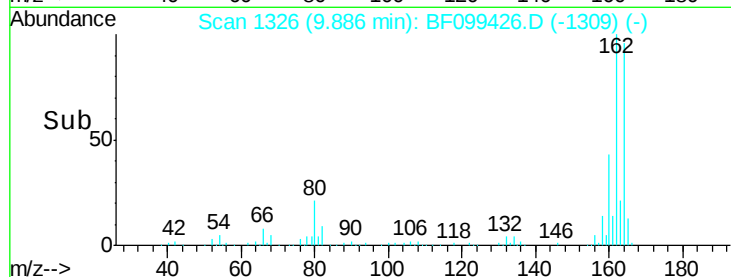
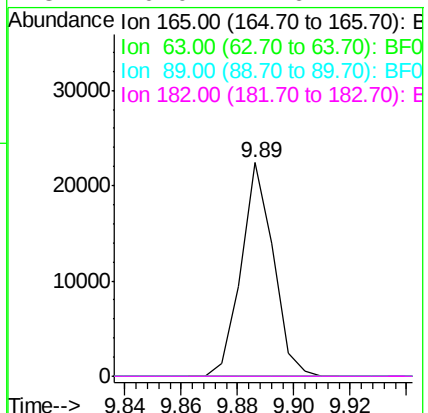
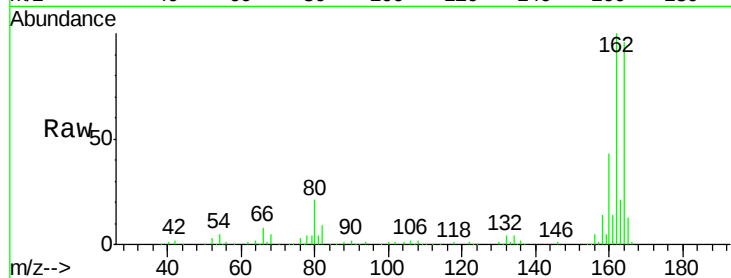




#56
 2,4-Dinitrotoluene
 Concen: 6.00 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF099426.D
 Acq: 13 Oct 2017 7:26

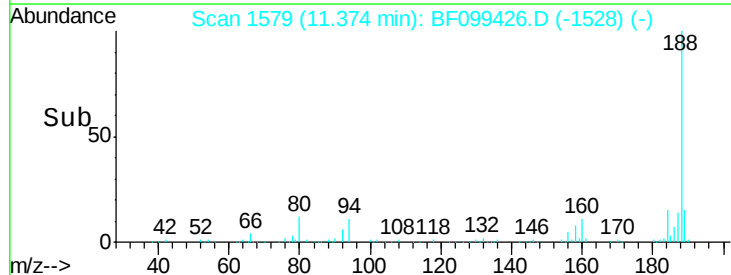
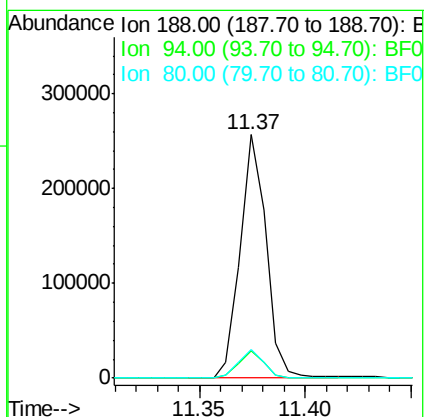
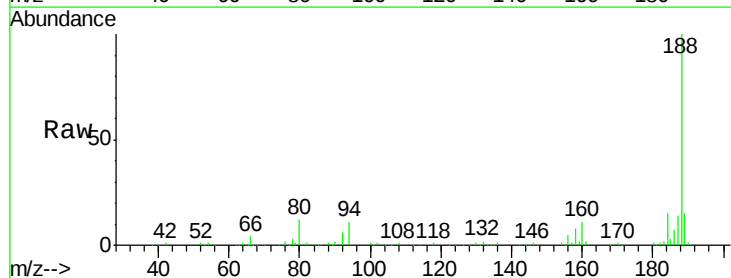
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	17694
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: 20.00 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.00 min
 Lab File: BF099426.D
 Acq: 13 Oct 2017 7:26

Tgt Ion:188	Resp:	218555
Ion Ratio	Lower	Upper
188	100	
94	11.5	8.5 12.7
80	12.0	9.2 13.8

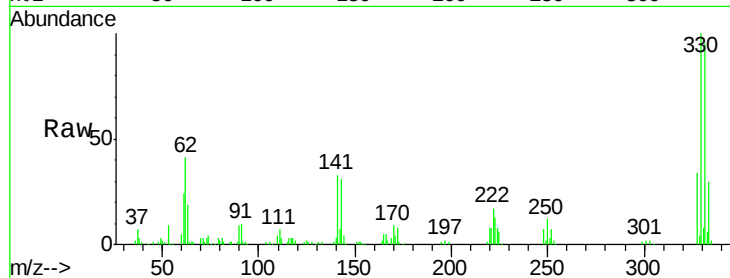




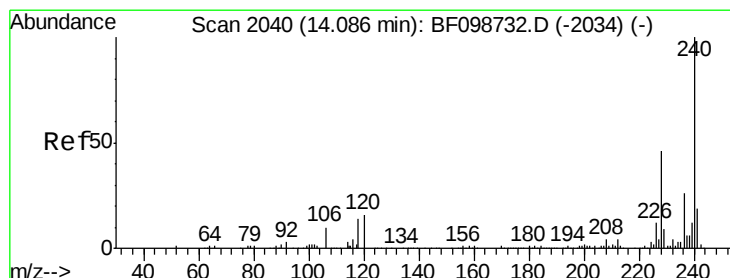
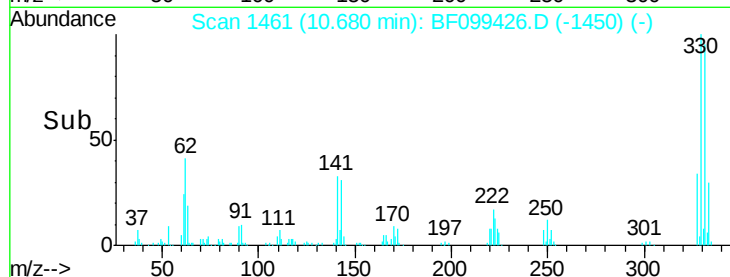
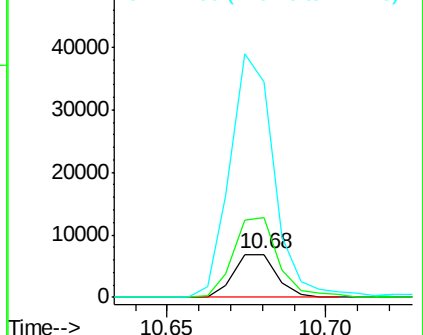
#66
4-Bromophenyl-phenylether
Concen: 3.06 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099426.D
Acq: 13 Oct 2017 7:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6547
Ion Ratio Lower Upper
248 100
250 183.5 76.9 115.3#
141 497.6 74.4 111.6#

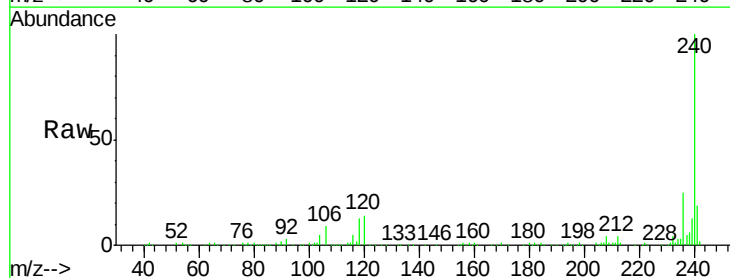


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

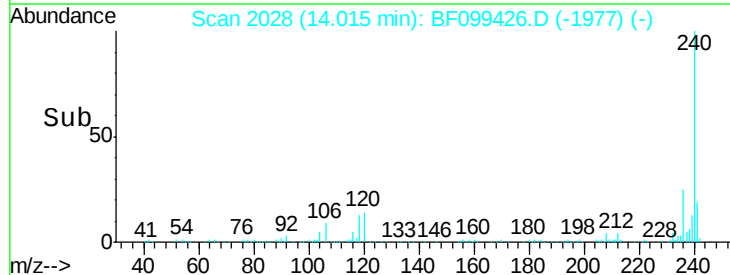
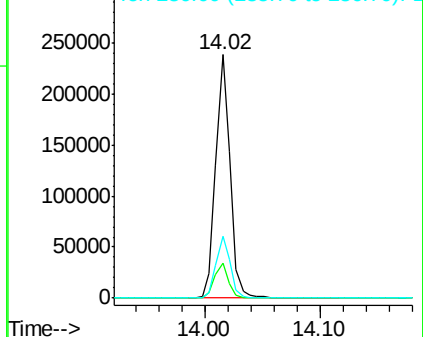


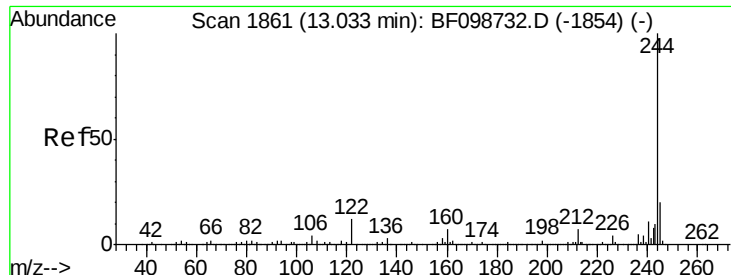
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF099426.D
Acq: 13 Oct 2017 7:26

Tgt Ion:240 Resp: 206322
Ion Ratio Lower Upper
240 100
120 14.3 9.5 14.3#
236 25.4 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: 81.61 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF099426.D

Acq: 13 Oct 2017 7:26

Instrument :

BNA_F

ClientSampleId :

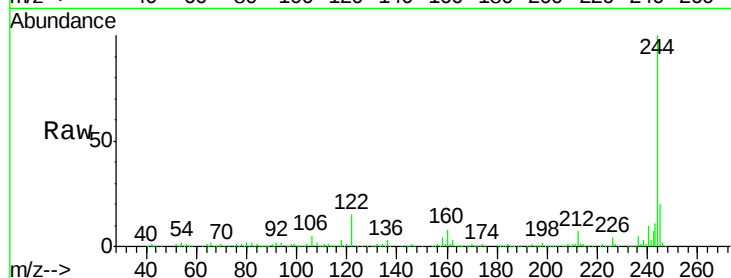
Tot Ion:244 Resp: 740378

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

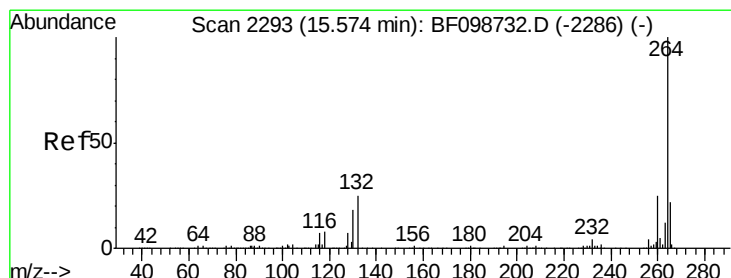
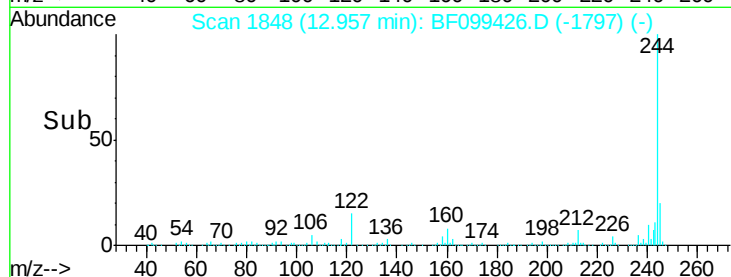
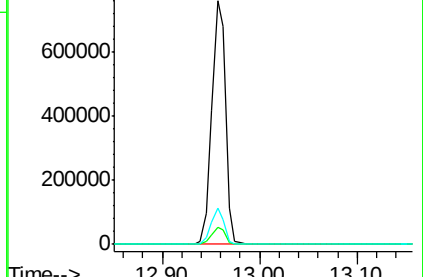
122 14.7 11.0 16.4



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# 2279

Delta R.T. 0.01 min

Lab File: BF099426.D

Acq: 13 Oct 2017 7:26

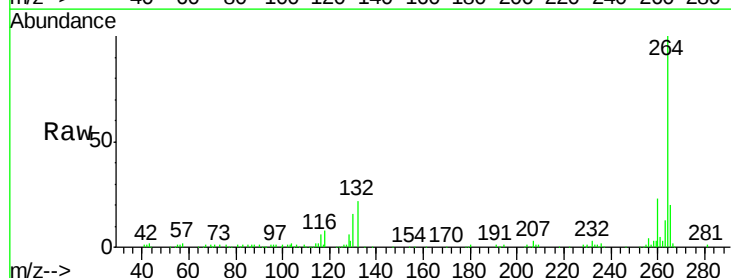
Tgt Ion:264 Resp: 155775

Ion Ratio Lower Upper

264 100

260 23.1 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

