

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099425.D
 Acq On : 13 Oct 2017 6:58
 Operator : SJ/JU
 Sample : I5731-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 08:16:02 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

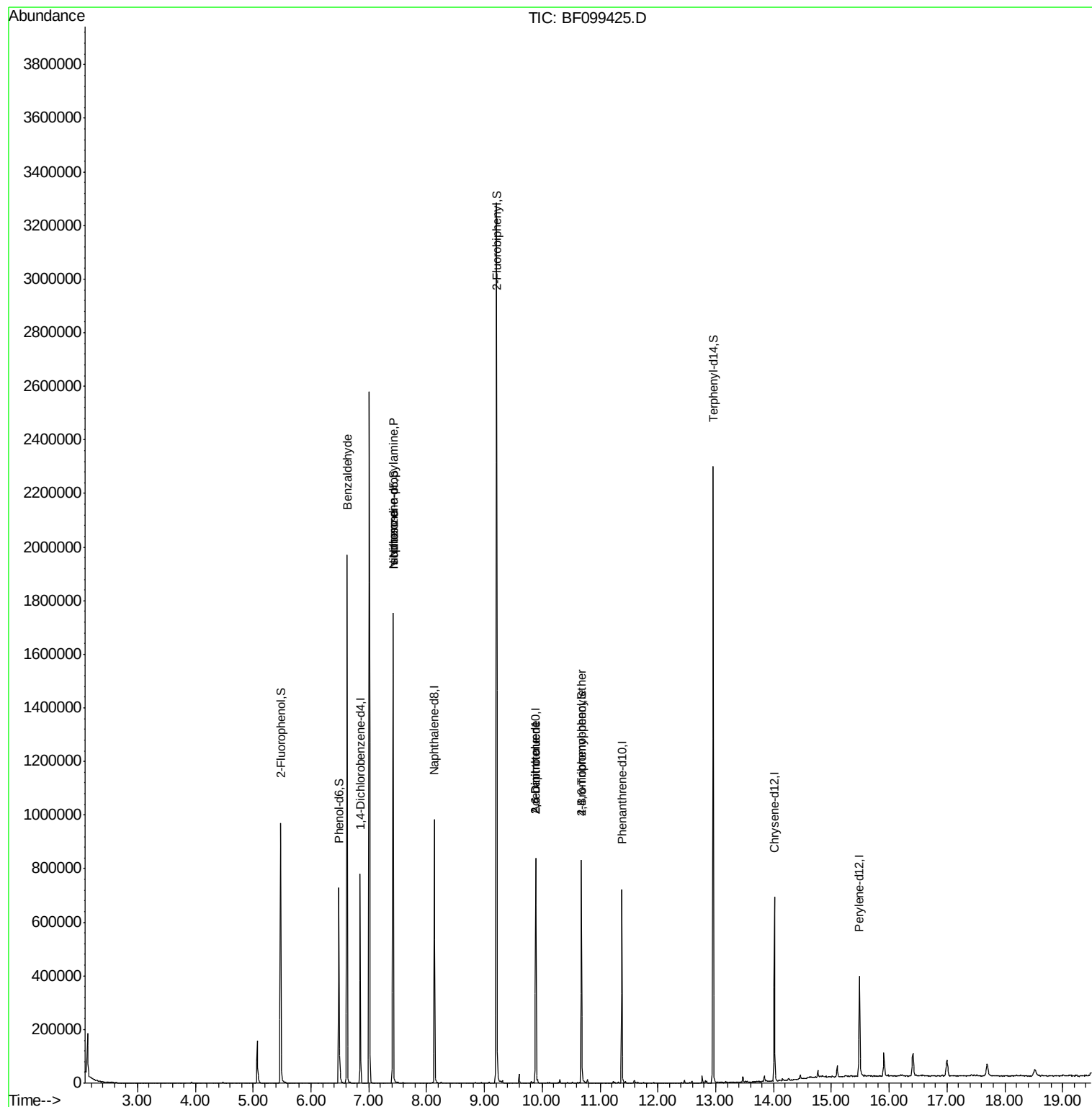
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	110754	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	429095	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	162925	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	244298	20.00	ng	0.00
75) Chrysene-d12	14.02	240	213984	20.00	ng	0.00
86) Perylene-d12	15.49	264	151717	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	305263	43.88	ng	0.00
7) Phenol-d6	6.48	99	243562	28.38	ng	0.00
23) Nitrobenzene-d5	7.42	82	622868	93.09	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	104241	78.19	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1076755	110.33	ng	0.00
78) Terphenyl-d14	12.96	244	817008	86.83	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	9985	2.01	ng	Qvalue 94
19) n-Nitroso-di-n-propylamine	7.42	70	79172	14.45	ng	# 73
25) Isophorone	7.42	82	622861	45.02	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	19932	7.45	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	19932	5.74	ng	# 22
66) 4-Bromophenyl-phenylether	10.68	248	6809	2.85	ng	# 1

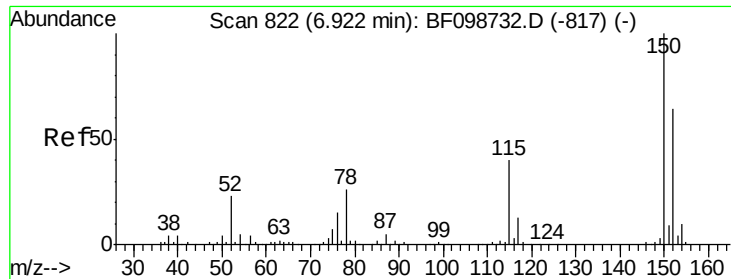
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 11 16:25:21 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF099425.D

Acq: 13 Oct 2017 6:58

Instrument :

BNA_F

ClientSampled :

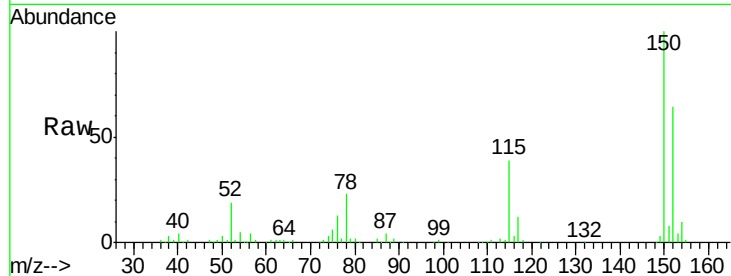
Tot Ion:152 Resp: 110754

Ion Ratio Lower Upper

152 100

150 155.5 124.6 186.8

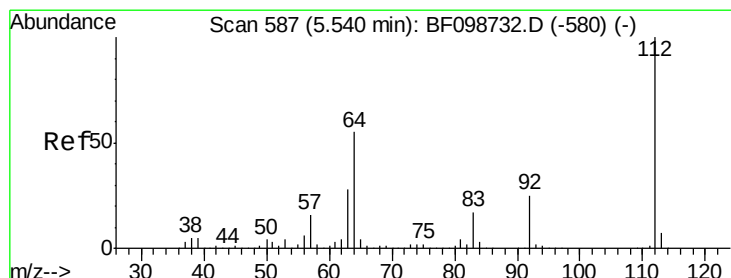
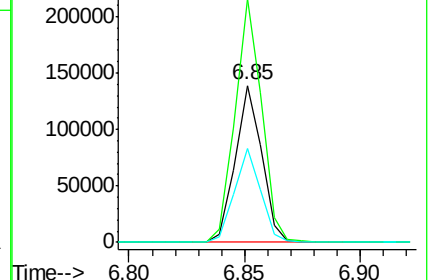
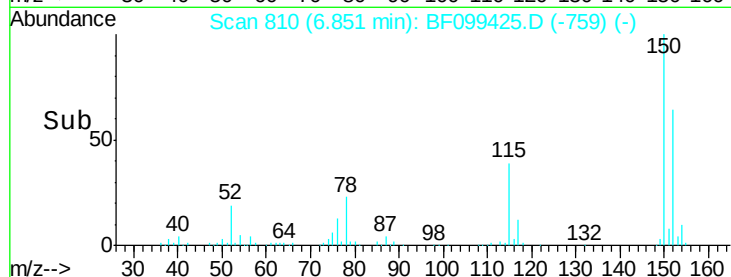
115 60.2 50.1 75.1



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: 43.88 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF099425.D

Acq: 13 Oct 2017 6:58

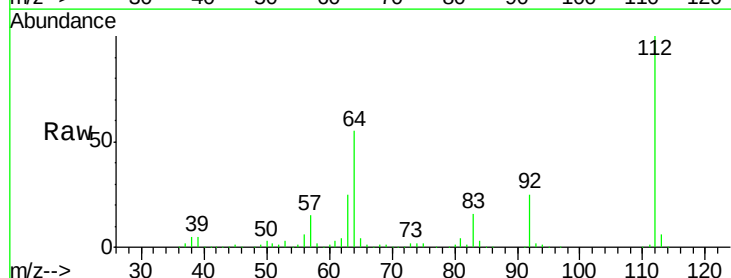
Tgt Ion:112 Resp: 305263

Ion Ratio Lower Upper

112 100

64 54.5 47.9 71.9

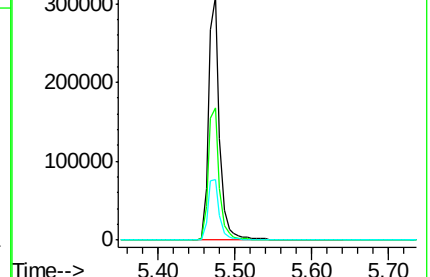
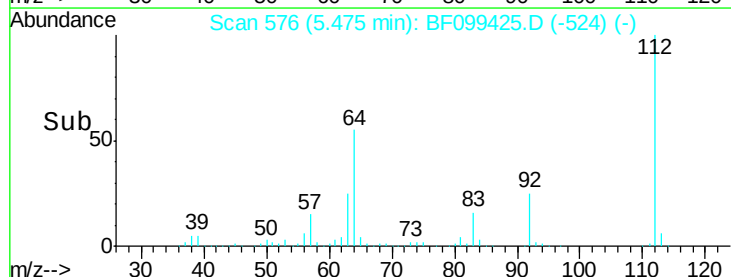
63 25.1 23.7 35.5

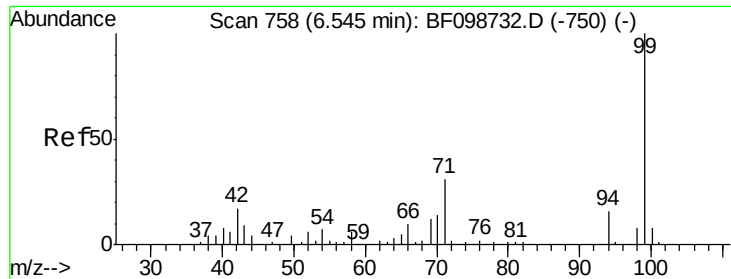


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.38 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099425.D

Acq: 13 Oct 2017 6:58

Instrument :

BNA_F

ClientSampleId :

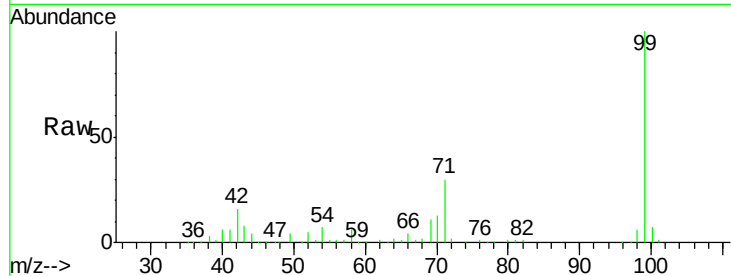
Tot Ion: 99 Resp: 243562

Ion Ratio Lower Upper

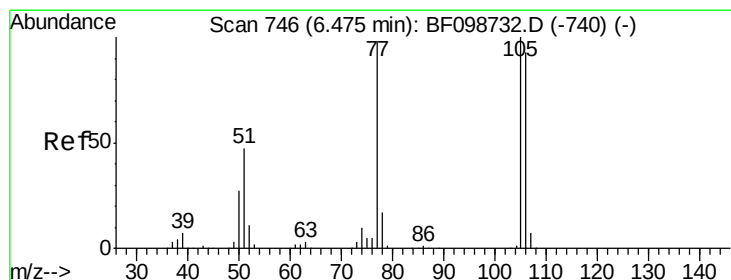
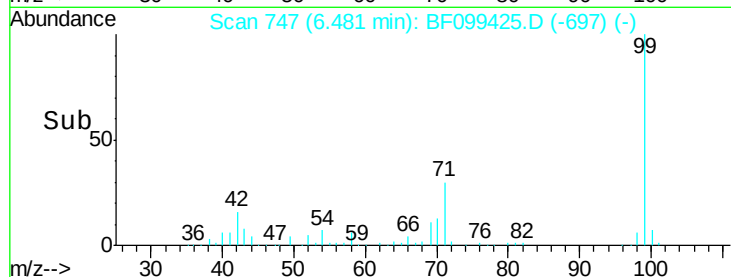
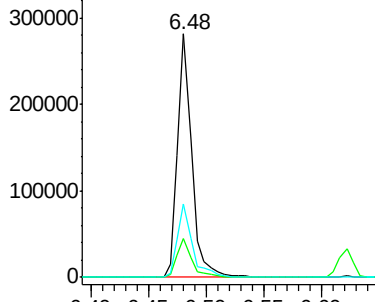
99 100

42 16.1 14.5 21.7

71 30.0 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: 2.01 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.21 min

Lab File: BF099425.D

Acq: 13 Oct 2017 6:58

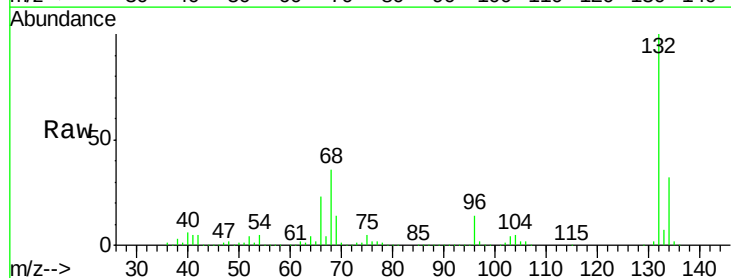
Tgt Ion: 77 Resp: 9985

Ion Ratio Lower Upper

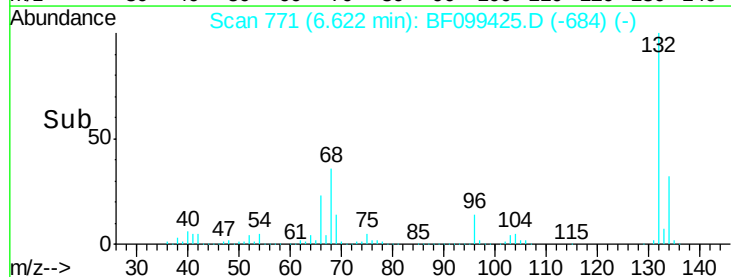
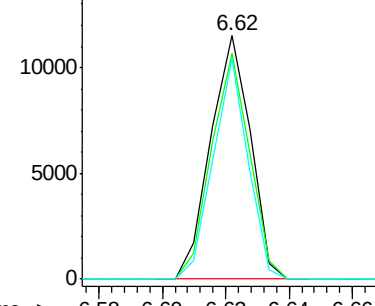
77 100

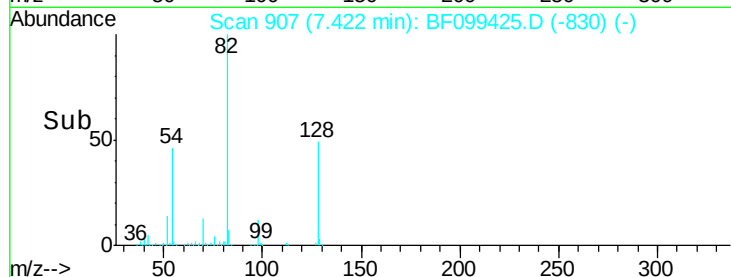
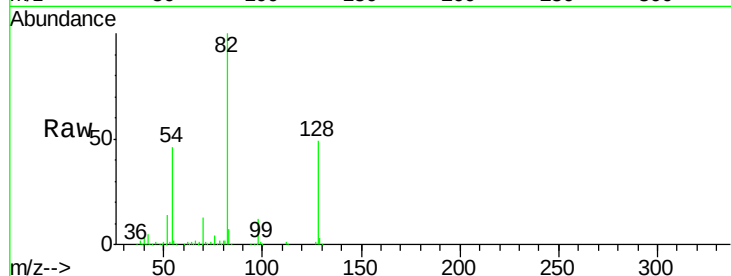
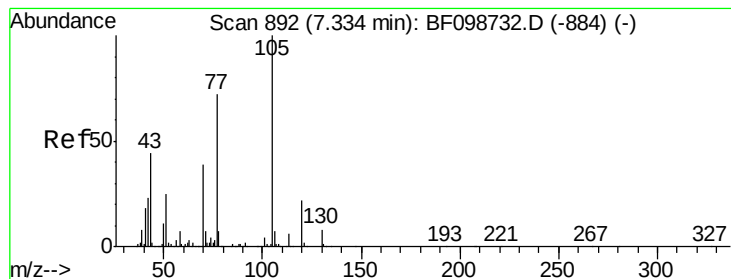
105 92.8 81.1 121.1

106 90.5 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: 14.45 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF099425.D

Acq: 13 Oct 2017 6:58

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 79172

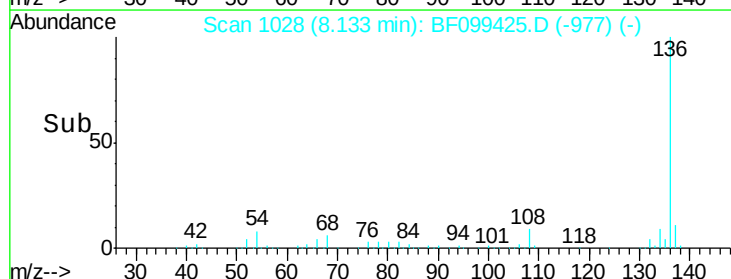
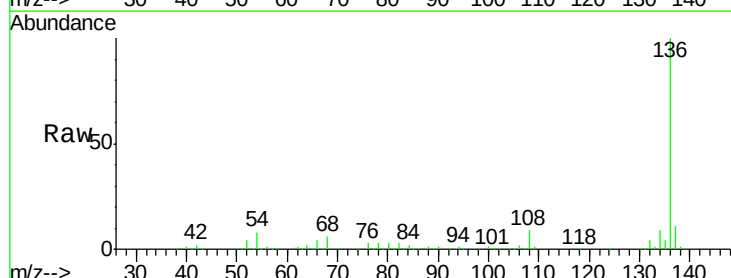
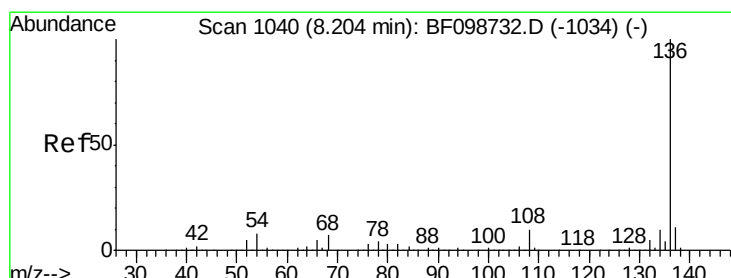
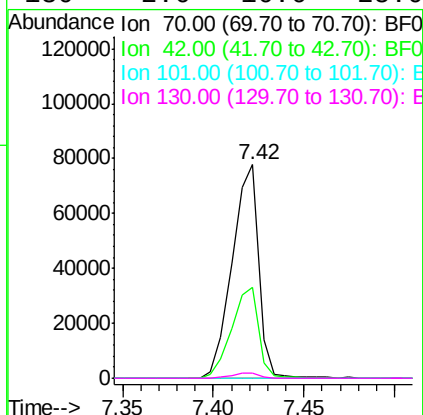
Ion Ratio Lower Upper

70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 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: BF099425.D

Acq: 13 Oct 2017 6:58

Tgt Ion: 136 Resp: 429095

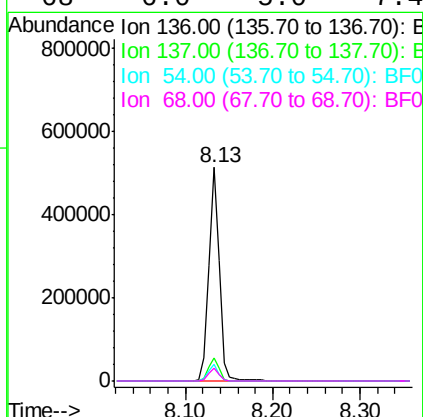
Ion Ratio Lower Upper

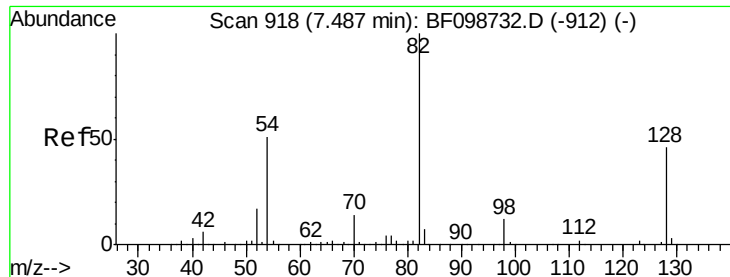
136 100

137 10.7 8.9 13.3

54 7.5 6.6 9.8

68 6.0 5.0 7.4

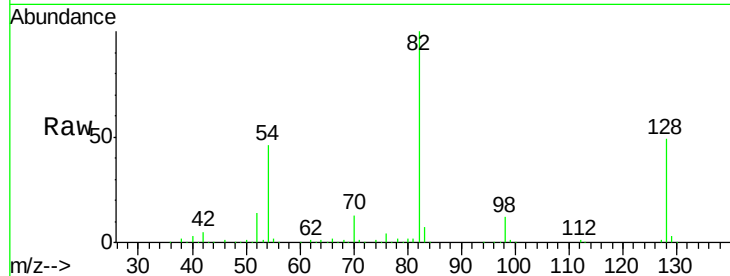




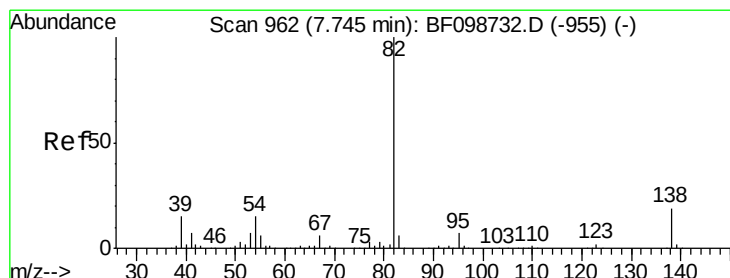
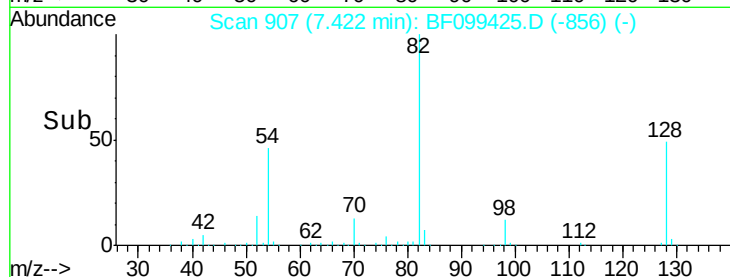
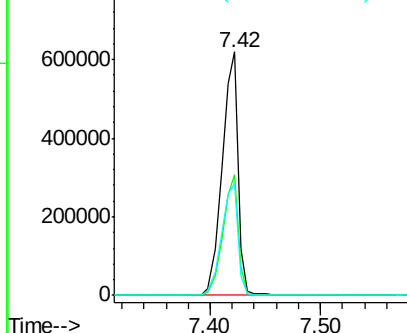
#23
Nitrobenzene-d5
Concen: 93.09 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: BF099425.D
Acq: 13 Oct 2017 6:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	622868
Ion Ratio	Lower	Upper	
82	100		
128	49.4	36.1	54.1
54	45.9	41.4	62.2

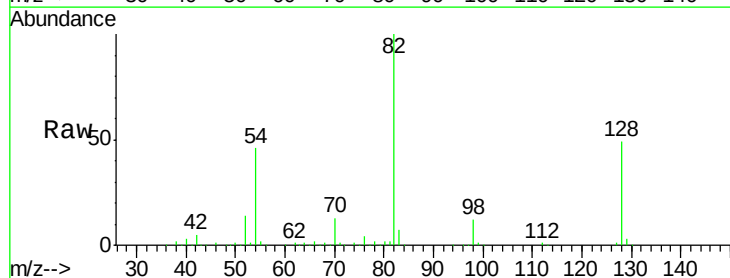


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

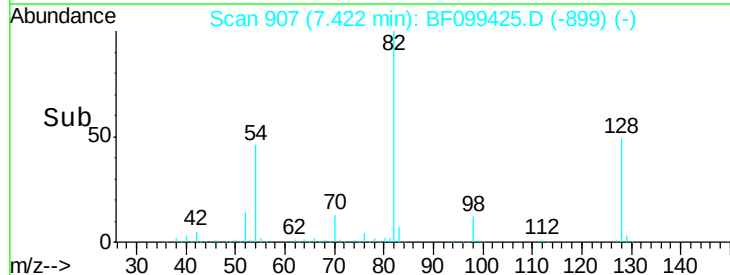
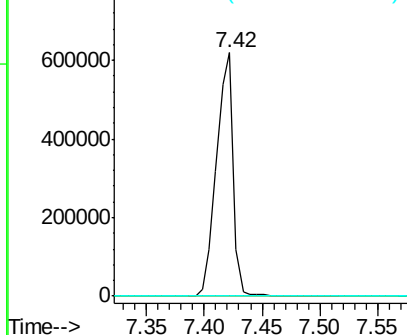


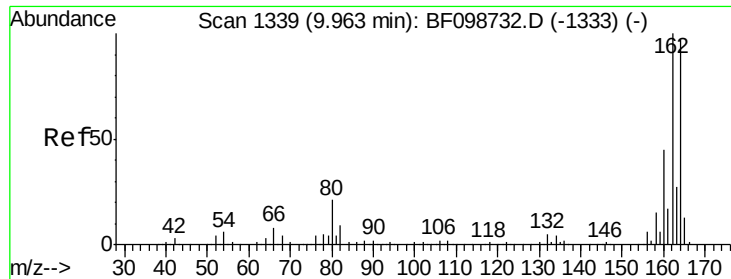
#25
Isophorone
Concen: 45.02 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.25 min
Lab File: BF099425.D
Acq: 13 Oct 2017 6:58

Tgt Ion	82	Resp	622861
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

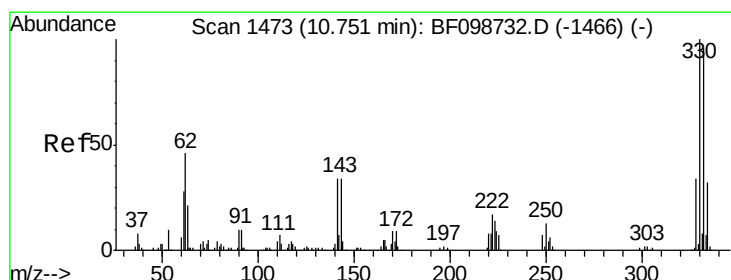
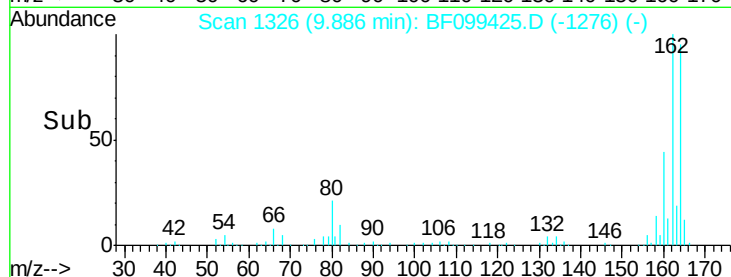
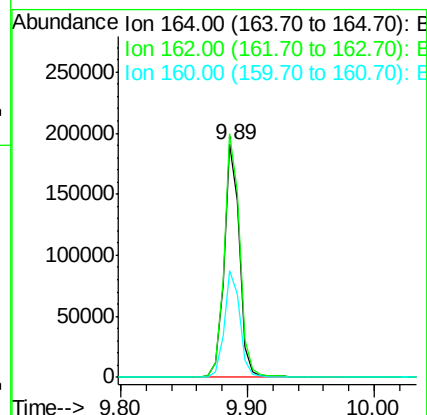
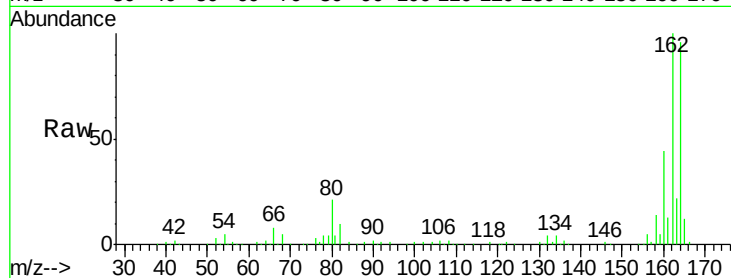




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099425.D
 Acq: 13 Oct 2017 6:58

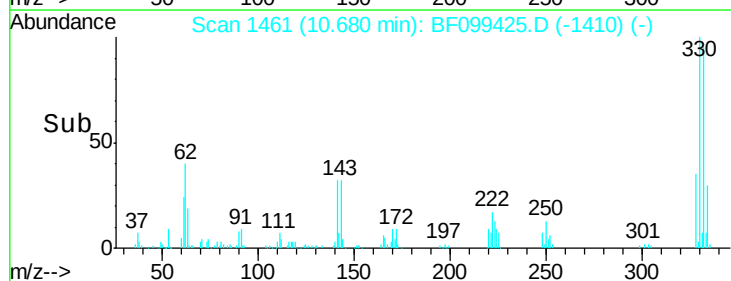
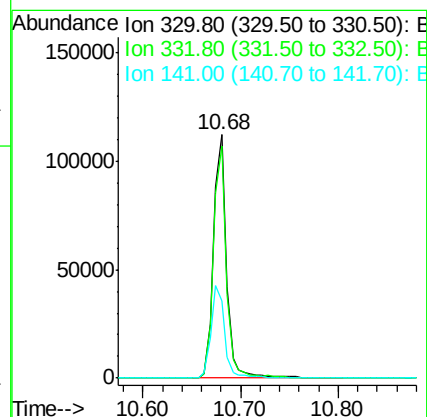
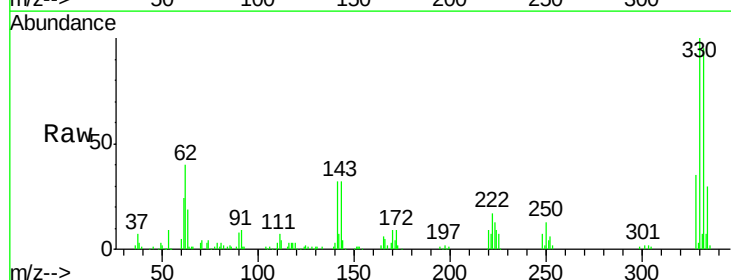
Instrument :
 BNA_F
 ClientSampleId :

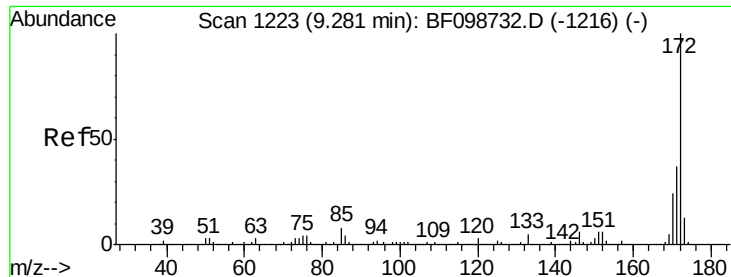
Tot Ion:164 Resp: 162925
 Ion Ratio Lower Upper
 164 100
 162 104.4 86.1 129.1
 160 45.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 78.19 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: BF099425.D
 Acq: 13 Oct 2017 6:58

Tgt Ion:330 Resp: 104241
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 40.1 29.9 44.9

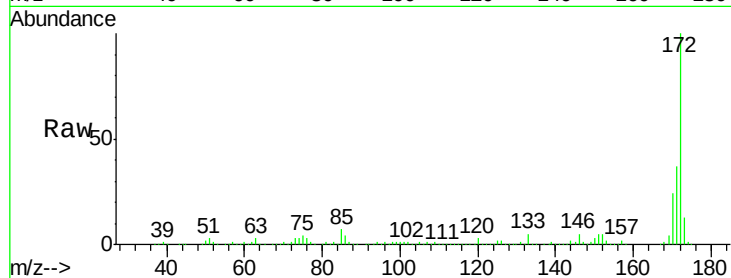




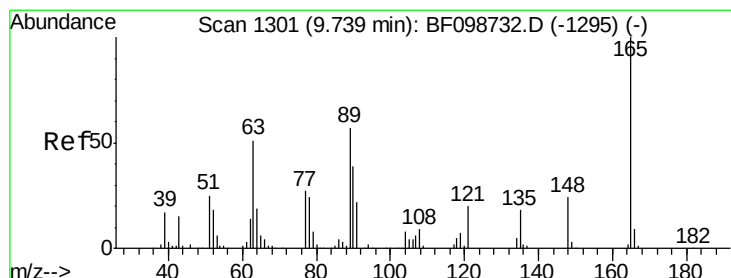
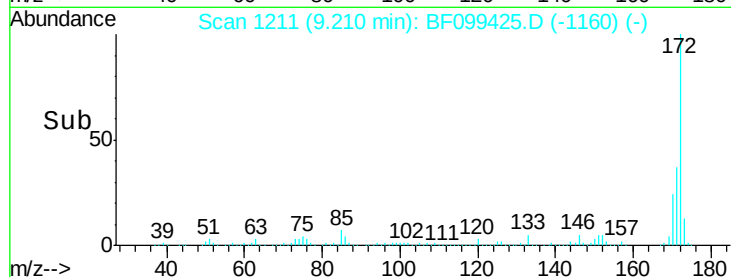
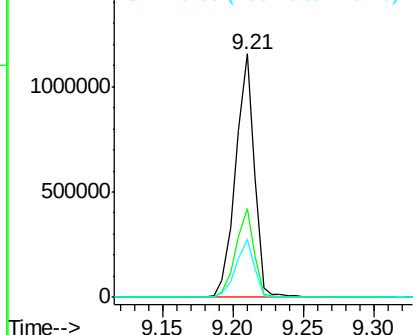
#44
2-Fluorobiphenyl
Concen: 110.33 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF099425.D
Acq: 13 Oct 2017 6:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1076755
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 23.6 19.6 29.4

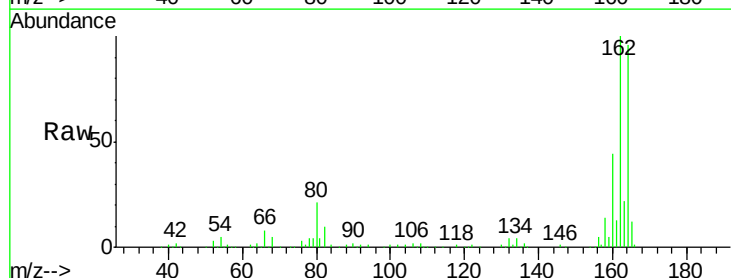


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

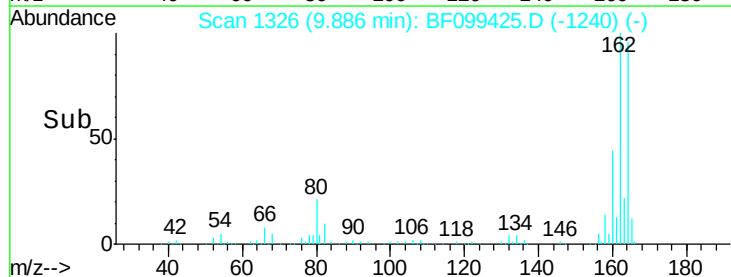
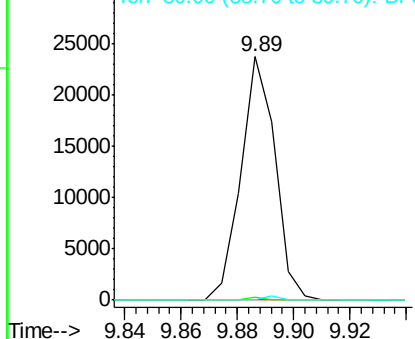


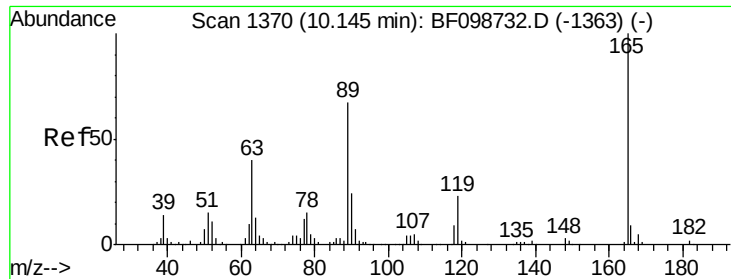
#50
2,6-Dinitrotoluene
Concen: 7.45 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.21 min
Lab File: BF099425.D
Acq: 13 Oct 2017 6:58

Tgt Ion:165 Resp: 19932
Ion Ratio Lower Upper
165 100
63 1.3 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: 5.74 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.20 min

Lab File: BF099425.D

Acq: 13 Oct 2017 6:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 19932

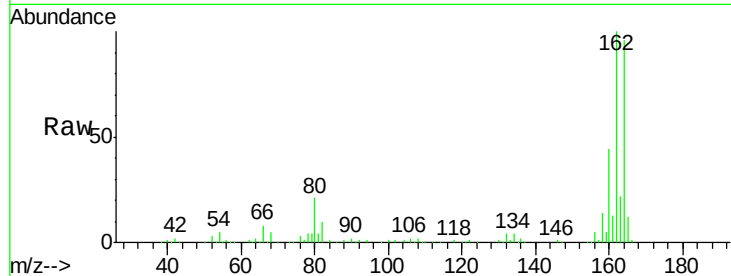
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

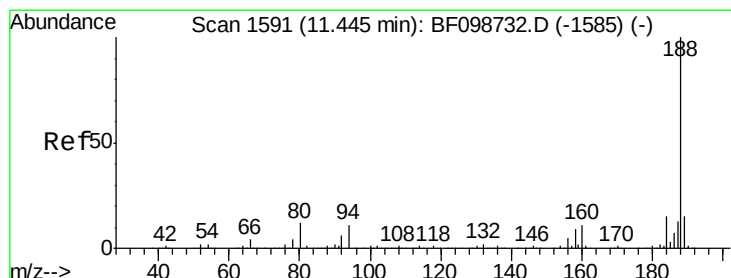
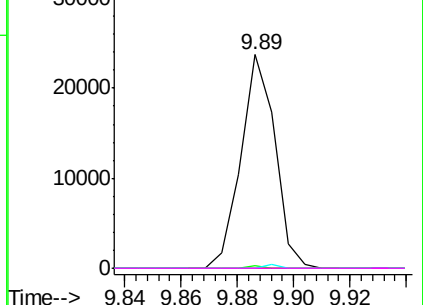
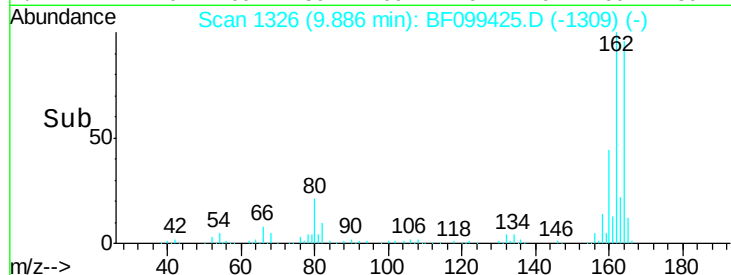


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF099425.D

Acq: 13 Oct 2017 6:58

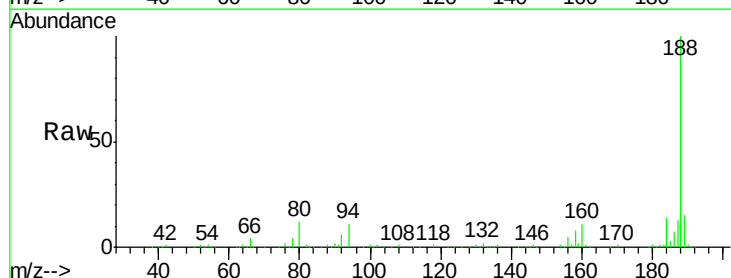
Tgt Ion:188 Resp: 244298

Ion Ratio Lower Upper

188 100

94 11.5 8.5 12.7

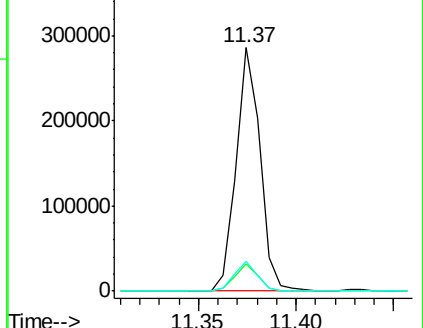
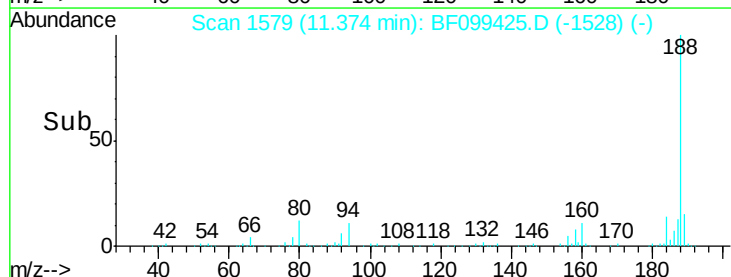
80 12.0 9.2 13.8

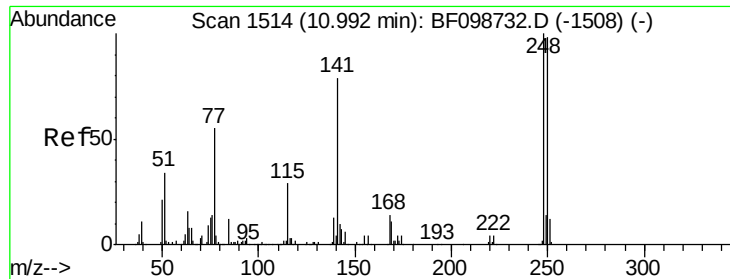


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

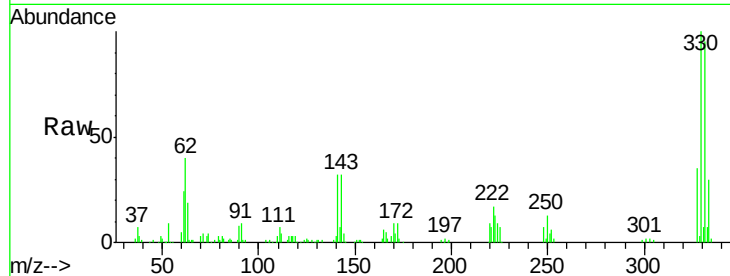




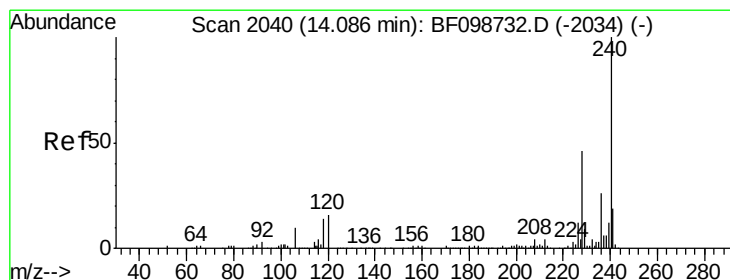
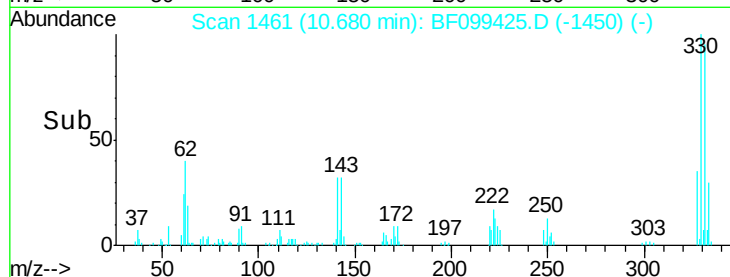
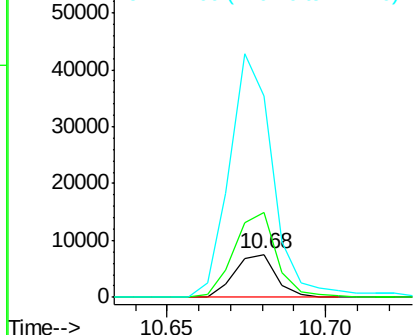
#66
4-Bromophenyl-phenylether
Concen: 2.85 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099425.D
Acq: 13 Oct 2017 6:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 6809
Ion Ratio Lower Upper
248 100
250 196.4 76.9 115.3#
141 468.4 74.4 111.6#

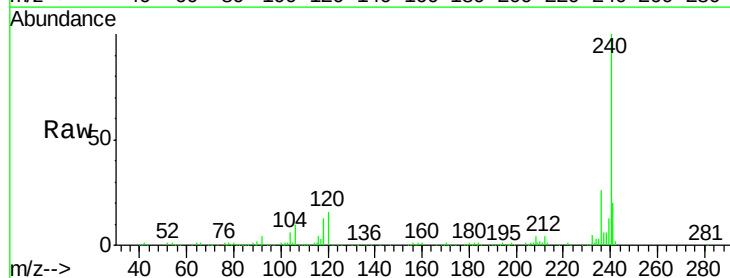


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

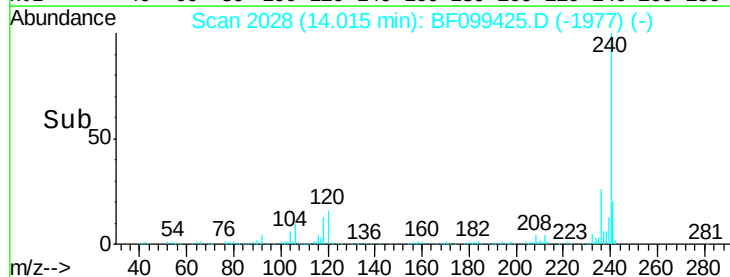
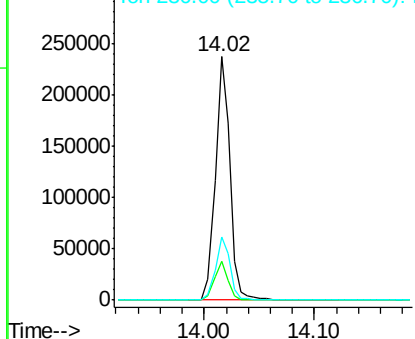


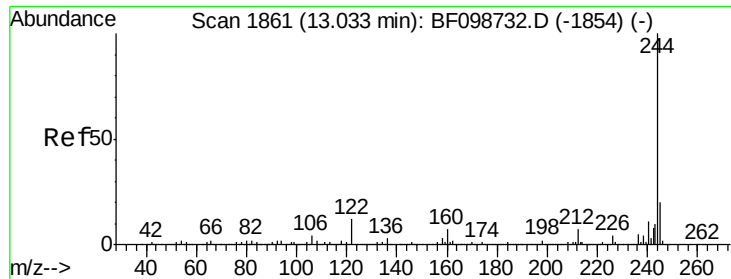
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF099425.D
Acq: 13 Oct 2017 6:58

Tgt Ion:240 Resp: 213984
Ion Ratio Lower Upper
240 100
120 15.8 9.5 14.3#
236 25.9 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

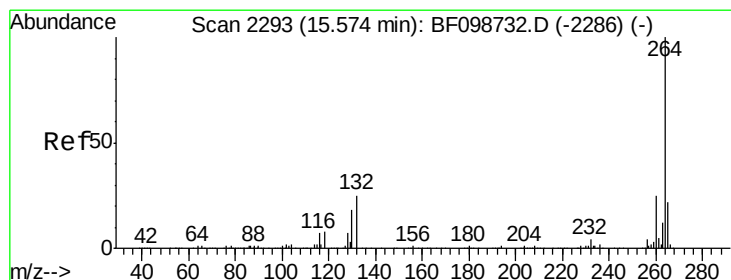
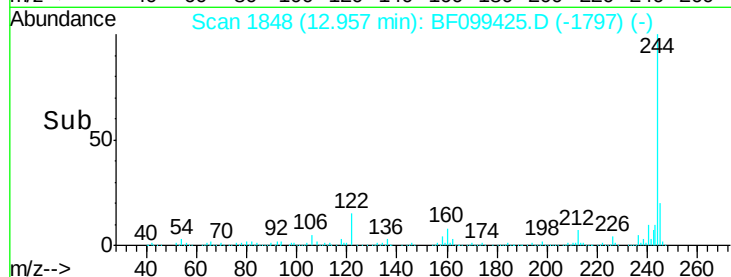
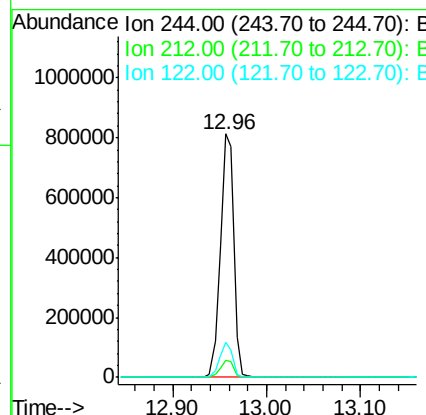
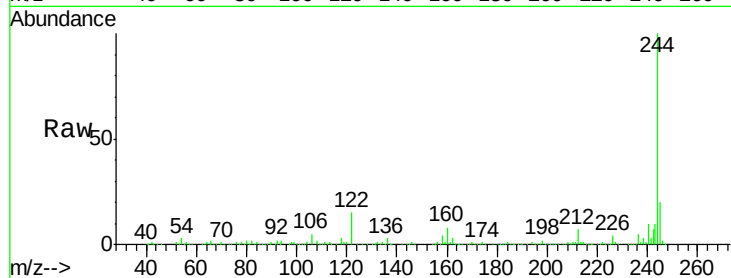




#78
 Terphenyl-d14
 Concen: 86.83 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF099425.D
 Acq: 13 Oct 2017 6:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 817008
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 14.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF099425.D
 Acq: 13 Oct 2017 6:58

Tgt Ion:264 Resp: 151717
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.2 17.5 26.3

