

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098924.D
 Acq On : 28 Sep 2017 23:24
 Operator : SJ/JU
 Sample : I5488-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 00:46:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

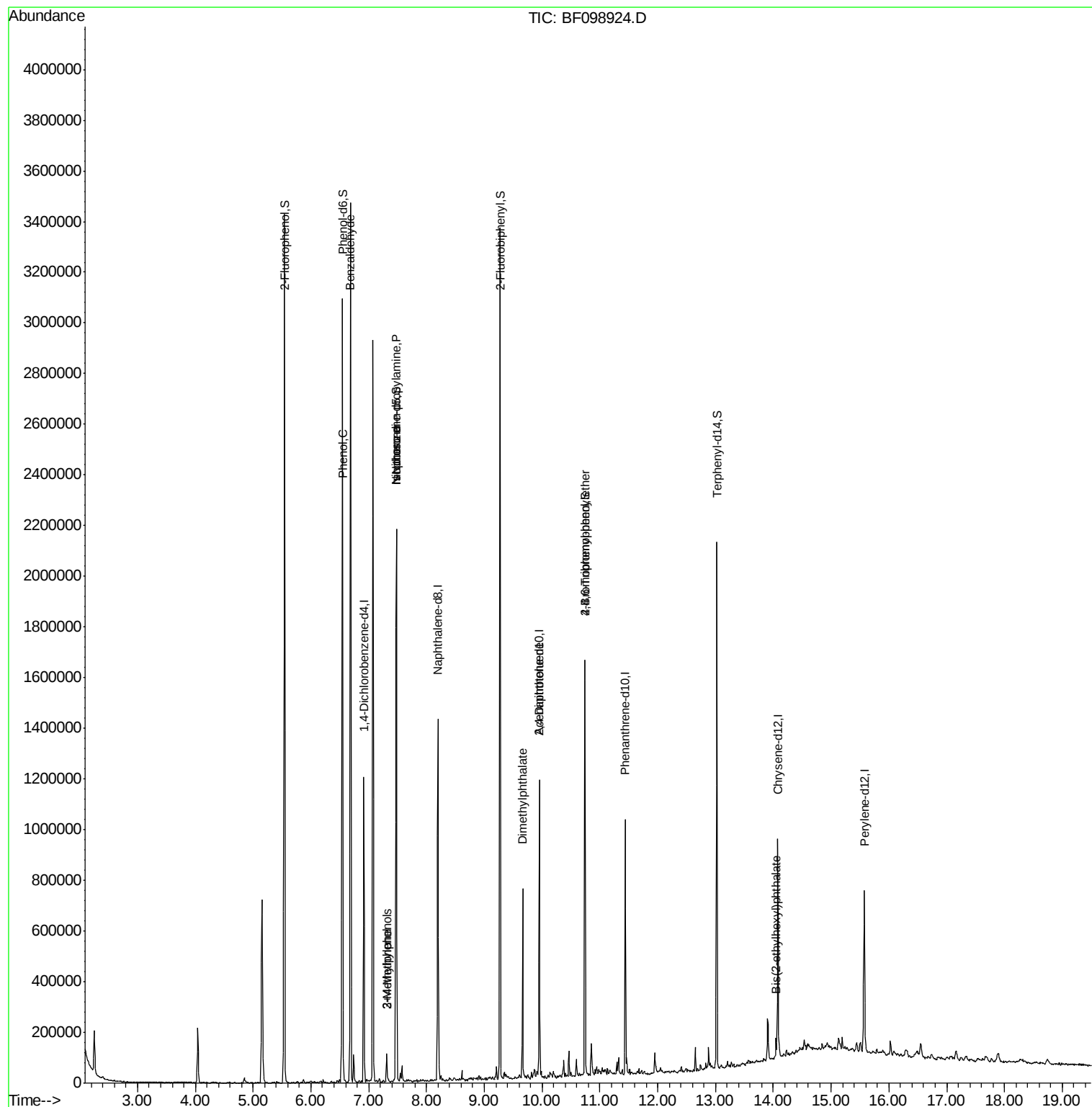
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	153039	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	584806	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	226694	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	314183	20.00	ng	0.00
75) Chrysene-d12	14.08	240	252076	20.00	ng	0.00
86) Perylene-d12	15.57	264	258632	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1071654	111.47	ng	0.00
7) Phenol-d6	6.55	99	1291406	108.89	ng	0.00
23) Nitrobenzene-d5	7.48	82	738249	80.96	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	179980	97.03	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1075084	79.17	ng	0.00
78) Terphenyl-d14	13.02	244	613887	55.38	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.69	77	22780	3.31	ng	Qvalue 82
10) Phenol	6.56	94	31753	2.39	ng	99
17) 2-Methylphenol	7.31	107	26432	2.97	ng	# 72
19) n-Nitroso-di-n-propylamine	7.48	70	98674	13.03	ng	# 78
20) 3+4-Methylphenols	7.31	107	26432	2.35	ng	88
25) Isophorone	7.48	82	734601	38.96	ng	# 64
49) Dimethylphthalate	9.66	163	254024	14.85	ng	99
56) 2,4-Dinitrotoluene	9.95	165	28443	5.88	ng	# 24
66) 4-Bromophenyl-phenylether	10.75	248	12453	4.05	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.04	149	26974	2.17	ng	# 99

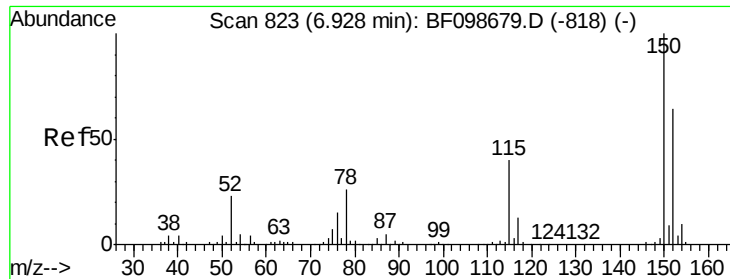
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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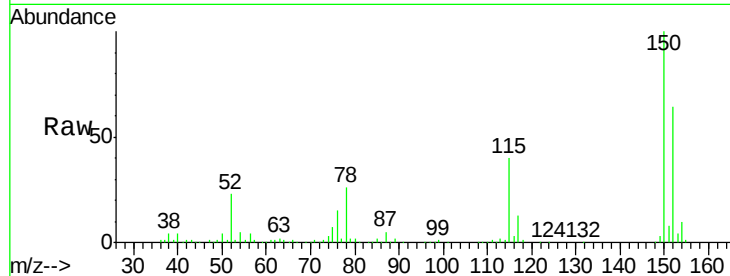


#1

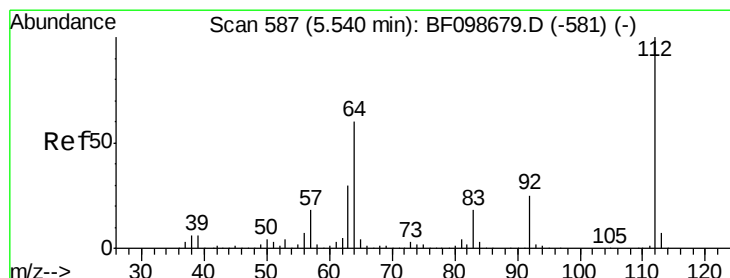
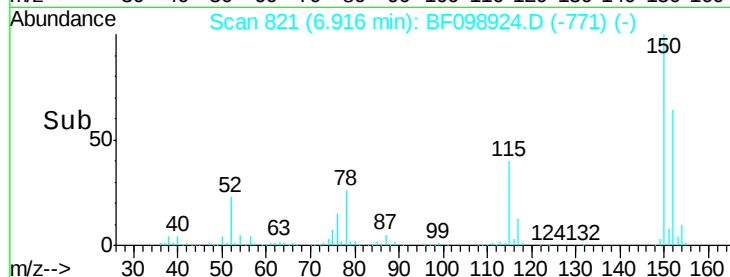
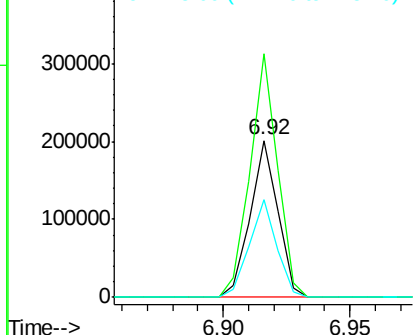
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098924.D
Acq: 28 Sep 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153039
Ion Ratio Lower Upper
152 100
150 155.2 124.6 186.8
115 62.2 50.1 75.1



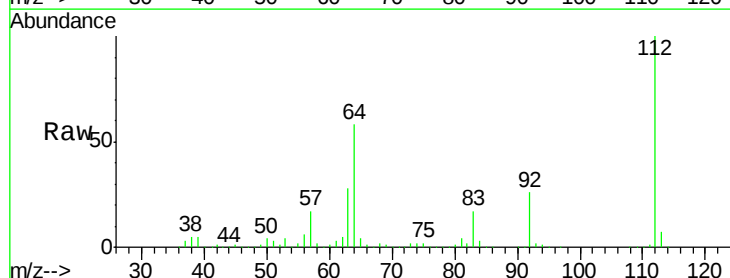
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



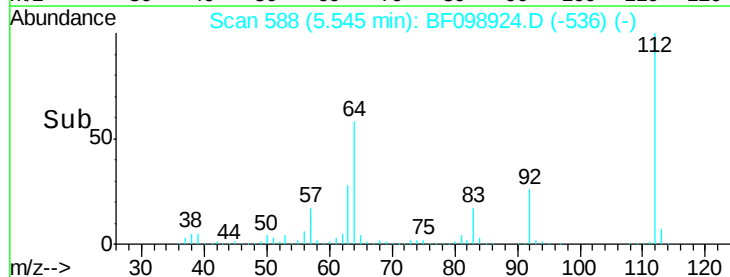
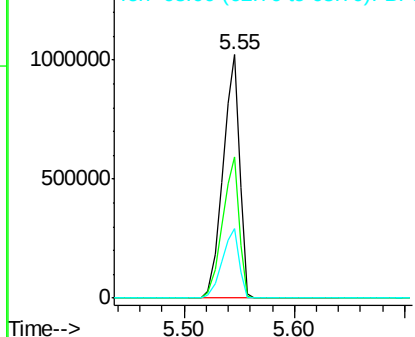
#5

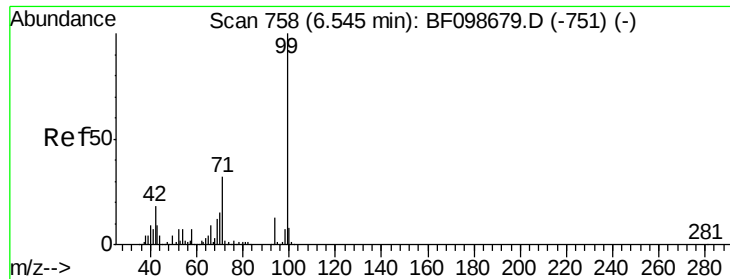
2-Fluorophenol
Concen: 111.47 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098924.D
Acq: 28 Sep 2017 23:24

Tgt Ion:112 Resp: 1071654
Ion Ratio Lower Upper
112 100
64 57.8 47.9 71.9
63 28.3 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: 108.89 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098924.D

Acq: 28 Sep 2017 23:24

Instrument :

BNA_F

ClientSampled :

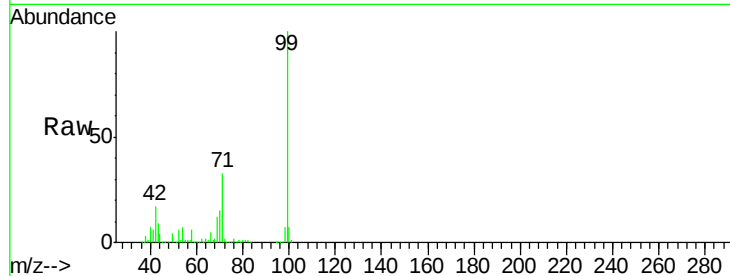
Tot Ion: 99 Resp: 1291406

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

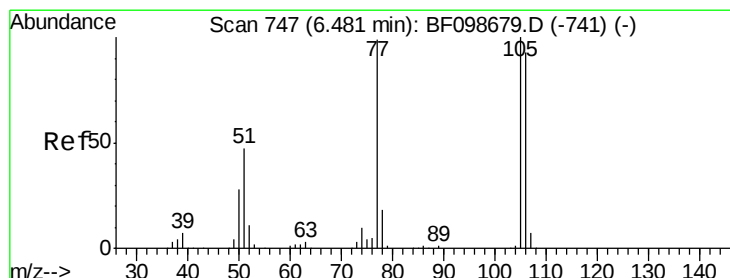
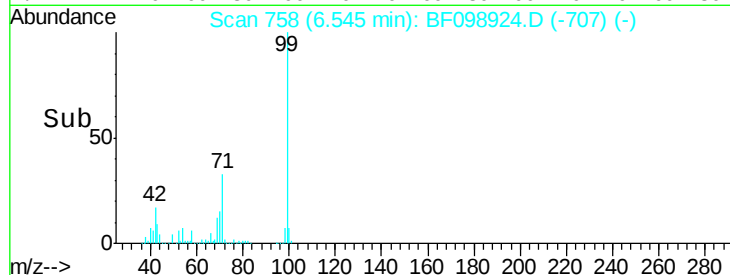
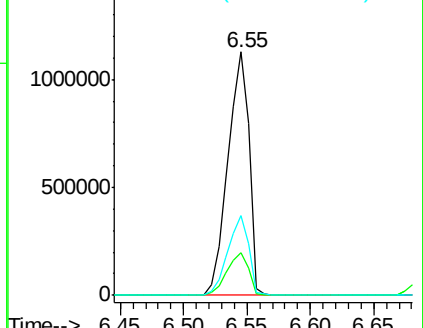
71 32.7 25.4 38.0



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: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098924.D

Acq: 28 Sep 2017 23:24

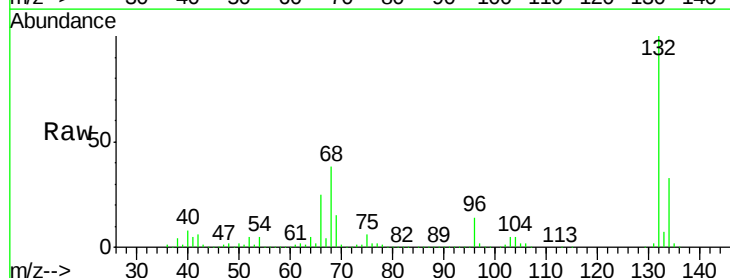
Tgt Ion: 77 Resp: 22780

Ion Ratio Lower Upper

77 100

105 84.8 81.1 121.1

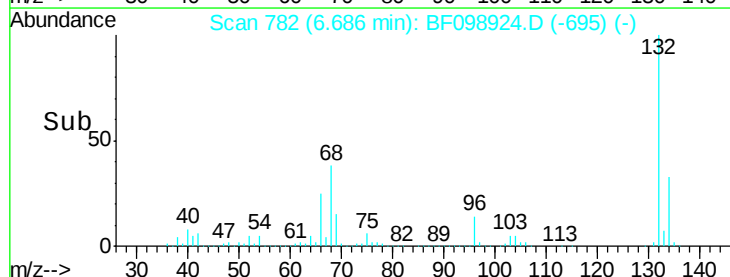
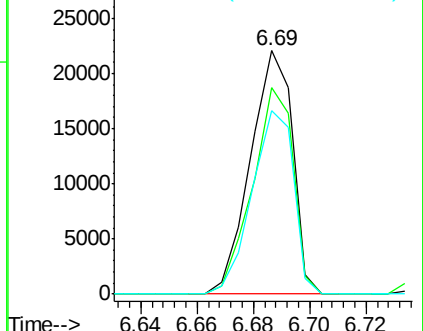
106 75.5 74.5 114.5

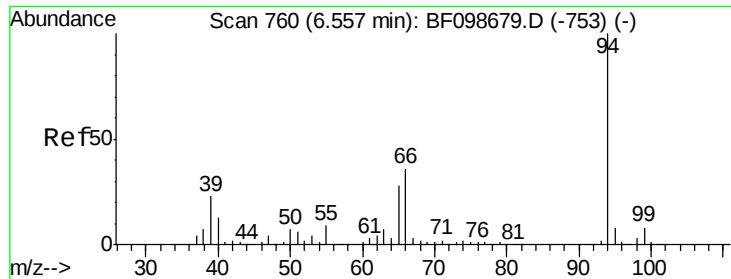


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

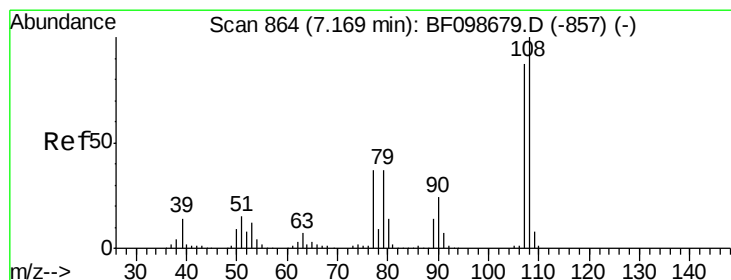
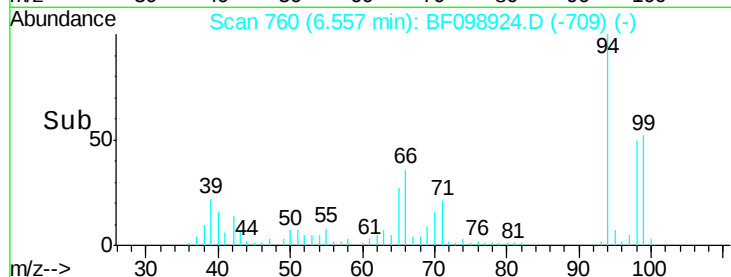
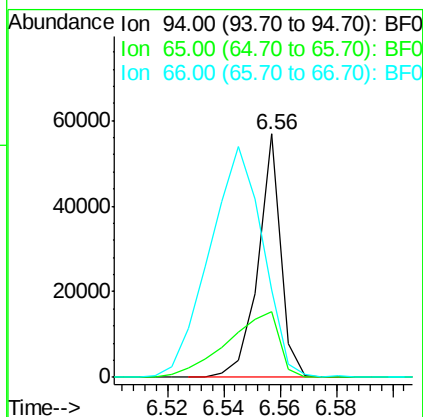
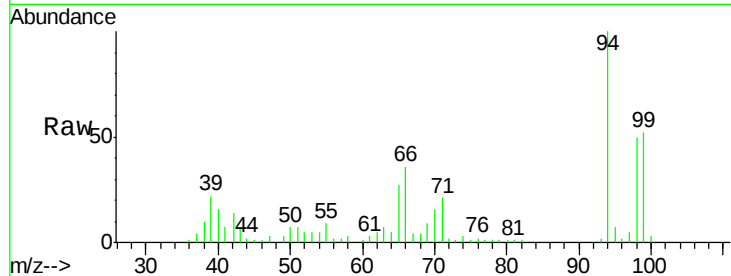




#10
Phenol
Concen: 2.39 ng
RT: 6.56 min Scan# 760
Delta R.T. -0.00 min
Lab File: BF098924.D
Acq: 28 Sep 2017 23:24

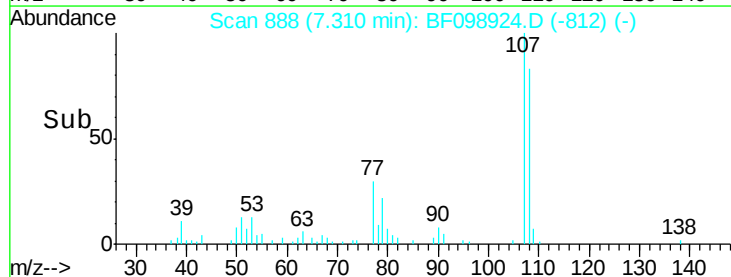
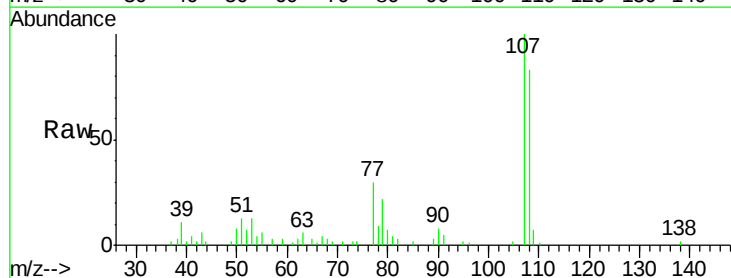
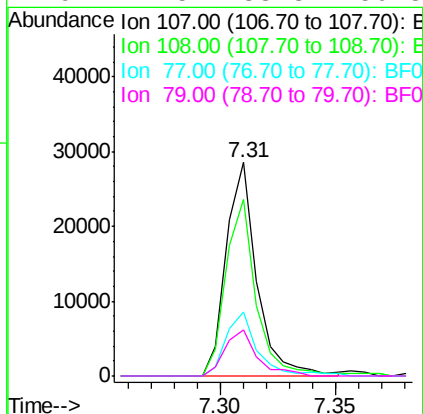
Instrument :
BNA_F
ClientSampleId :

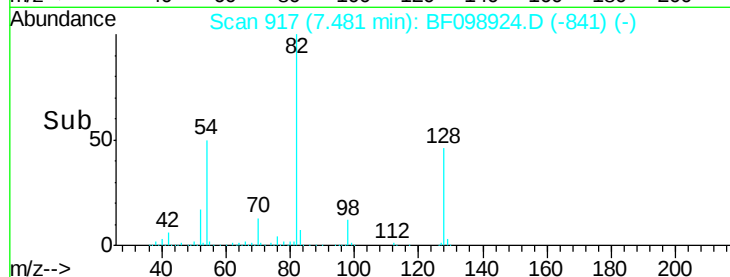
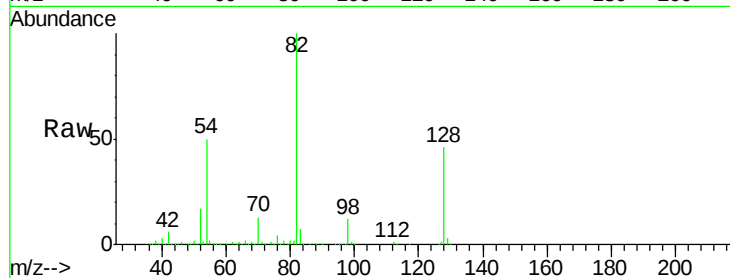
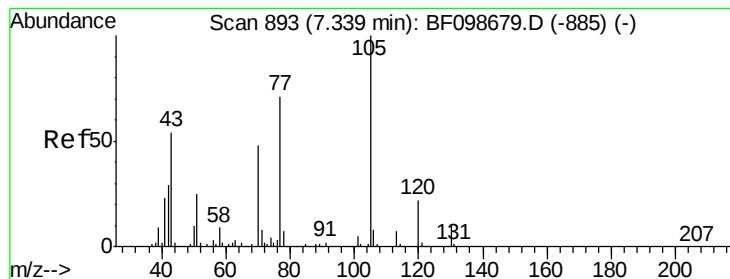
Tot Ion: 94 Resp: 31753
Ion Ratio Lower Upper
94 100
65 27.0 7.9 47.9
66 35.9 16.2 56.2



#17
2-Methylphenol
Concen: 2.97 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.15 min
Lab File: BF098924.D
Acq: 28 Sep 2017 23:24

Tgt Ion: 107 Resp: 26432
Ion Ratio Lower Upper
107 100
108 83.0 91.7 137.5#
77 29.7 33.8 50.8#
79 21.5 33.8 50.8#





#19

n-Nitroso-di-n-propylamine

Concen: 13.03 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.15 min

Lab File: BF098924.D

Acq: 28 Sep 2017 23:24

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 98674

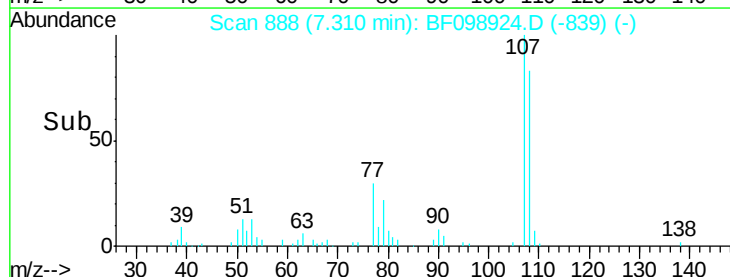
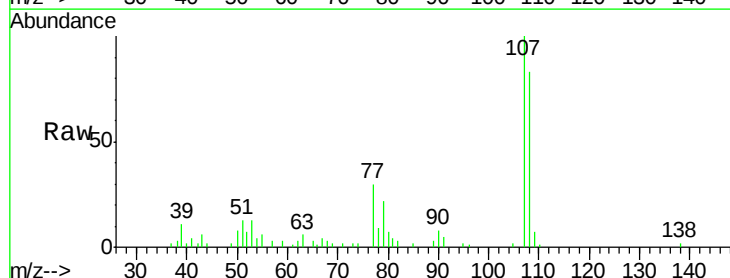
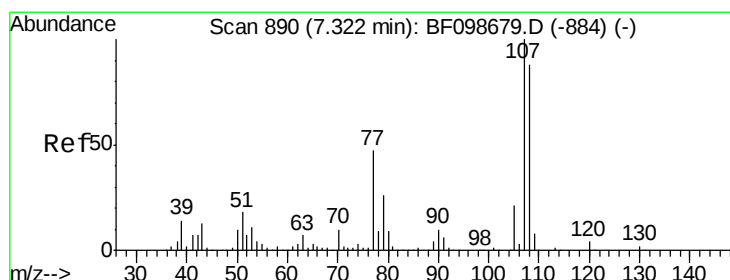
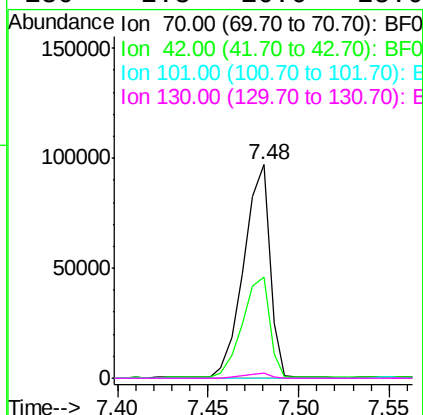
Ion Ratio Lower Upper

70 100

42 47.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#20

3+4-Methylphenols

Concen: 2.35 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF098924.D

Acq: 28 Sep 2017 23:24

Tgt Ion:107 Resp: 26432

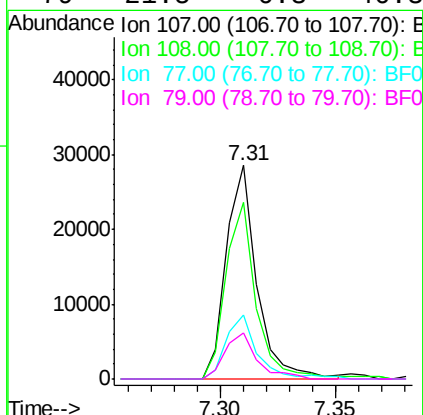
Ion Ratio Lower Upper

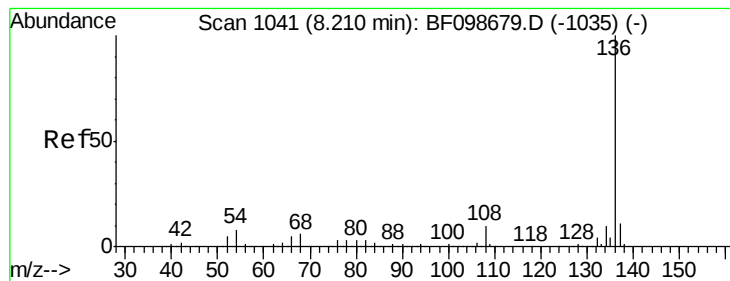
107 100

108 83.0 68.2 108.2

77 29.7 26.7 66.7

79 21.5 6.3 46.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098924.D

Acq: 28 Sep 2017 23:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 584806

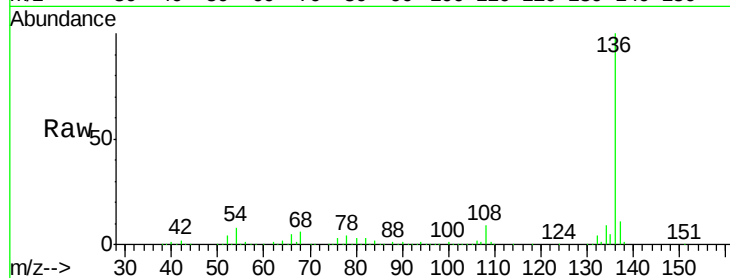
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.6 6.6 9.8

68 5.9 5.0 7.4

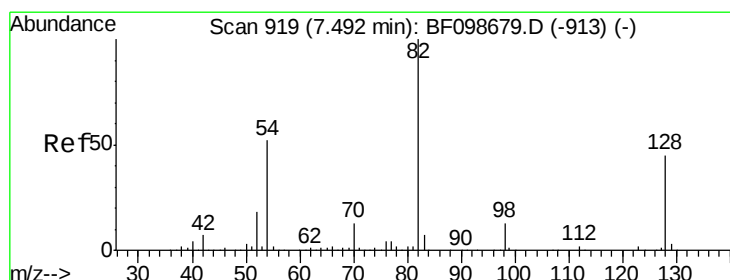
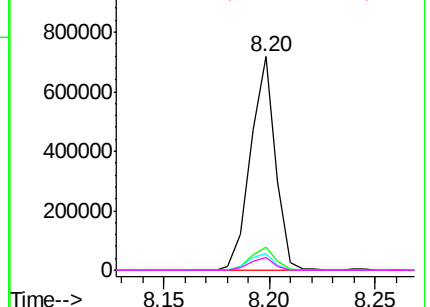
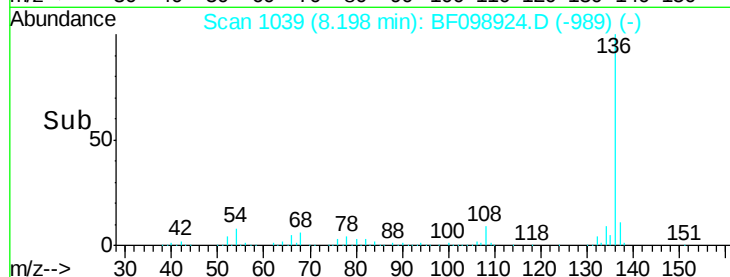


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.96 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF098924.D

Acq: 28 Sep 2017 23:24

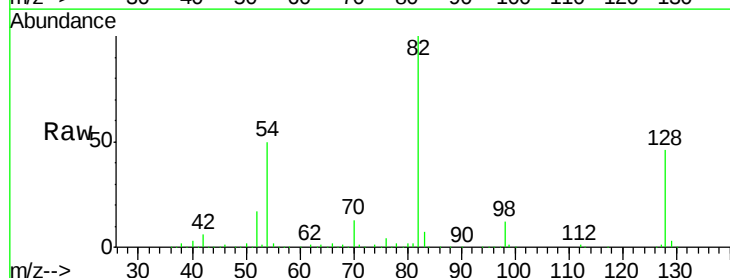
Tgt Ion: 82 Resp: 738249

Ion Ratio Lower Upper

82 100

128 45.5 36.1 54.1

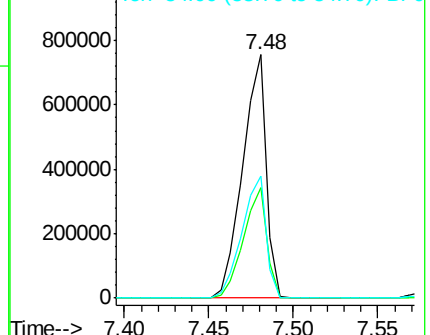
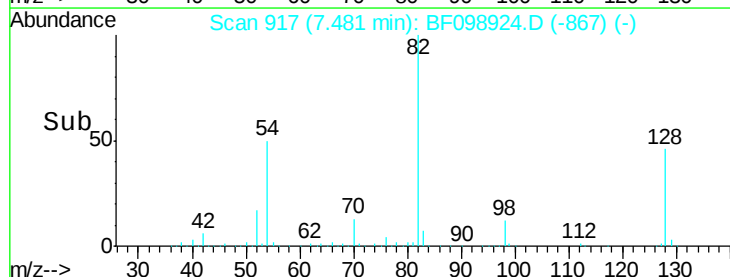
54 50.0 41.4 62.2

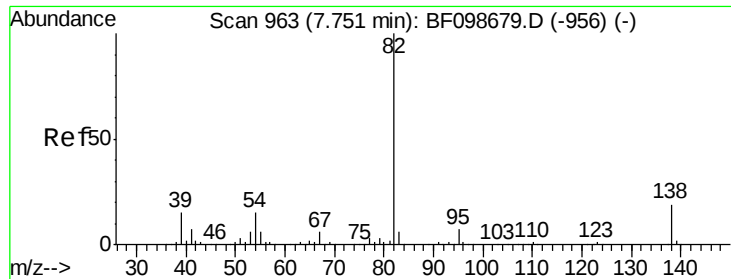


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.96 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.26 min

Lab File: BF098924.D

Acq: 28 Sep 2017 23:24

Instrument :

BNA_F

ClientSampleId :

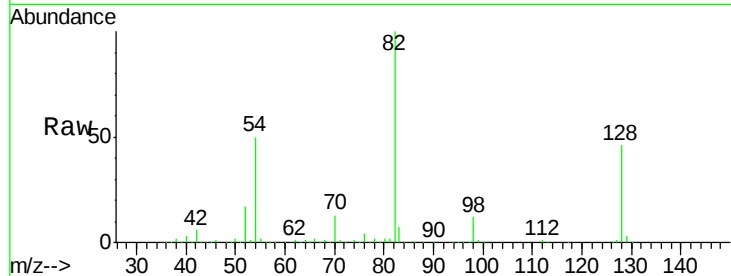
Tot Ion: 82 Resp: 734601

Ion Ratio Lower Upper

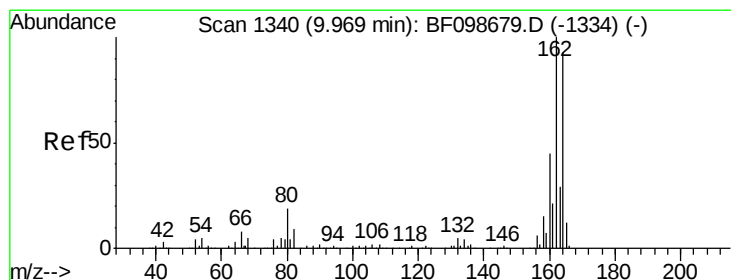
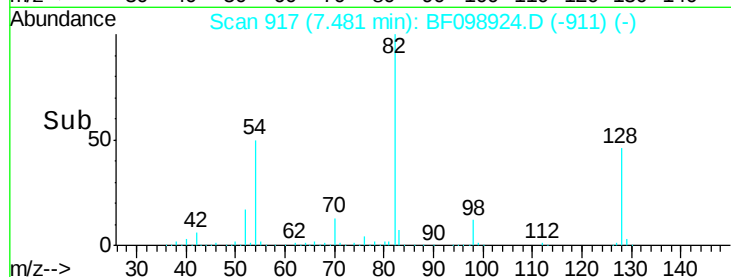
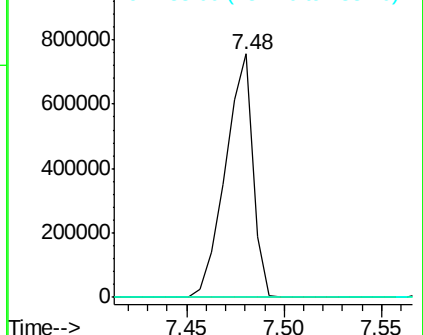
82 100

95 0.1 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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098924.D

Acq: 28 Sep 2017 23:24

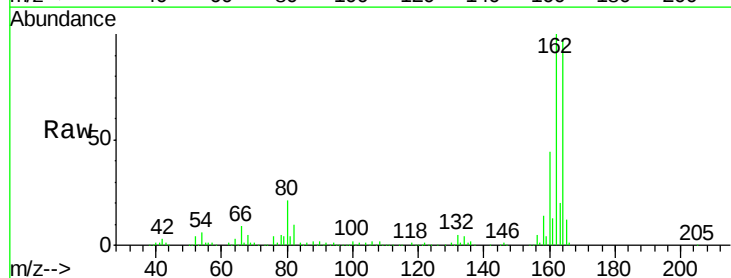
Tgt Ion: 164 Resp: 226694

Ion Ratio Lower Upper

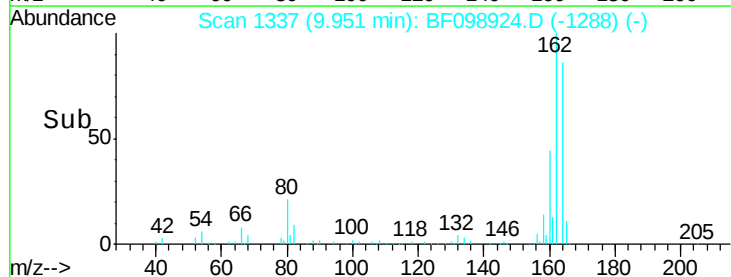
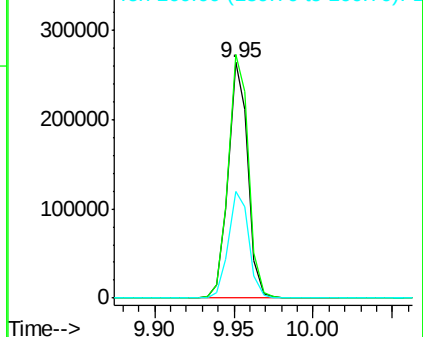
164 100

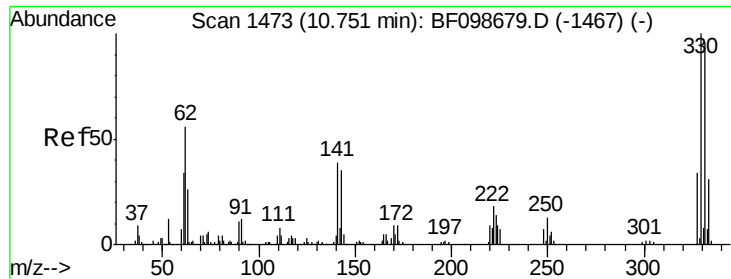
162 103.3 86.1 129.1

160 45.1 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

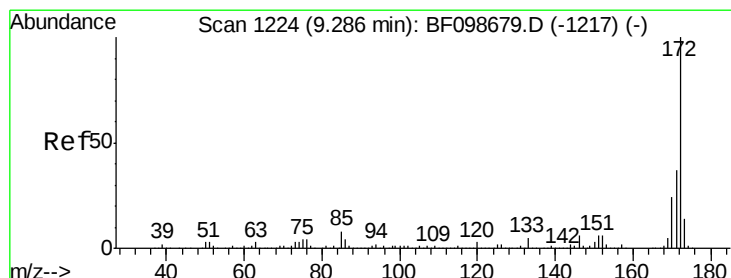
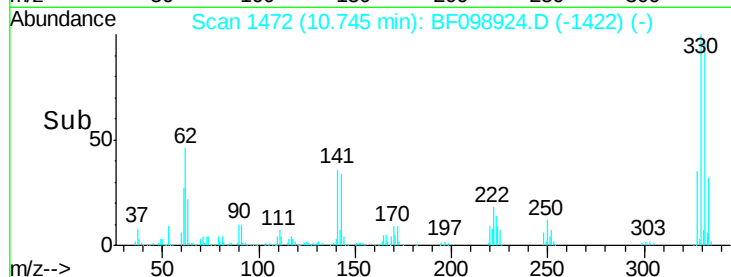
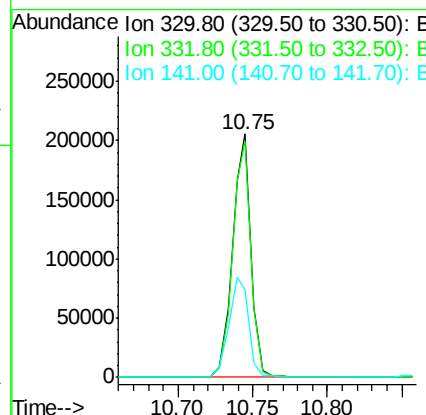
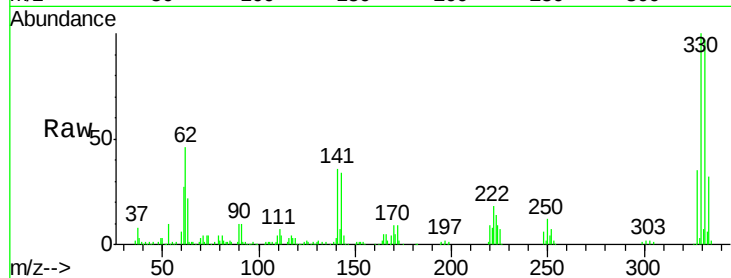




#41
 2,4,6-Tribromophenol
 Concen: 97.03 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098924.D
 Acq: 28 Sep 2017 23:24

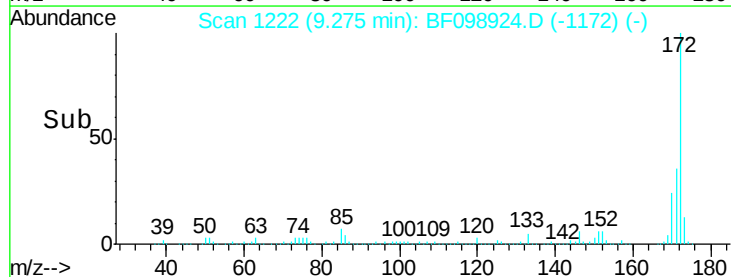
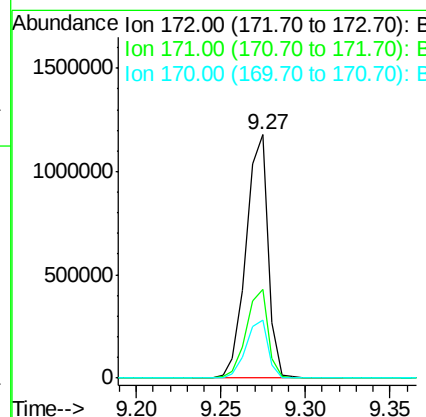
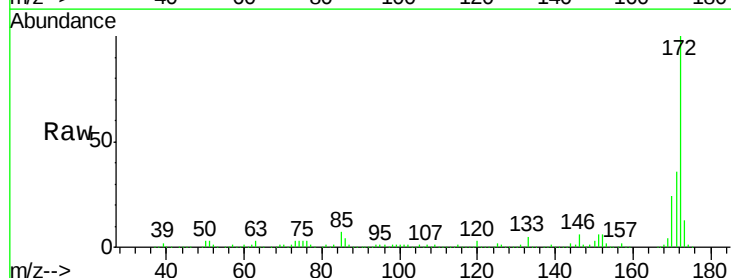
Instrument :
 BNA_F
 ClientSampled :

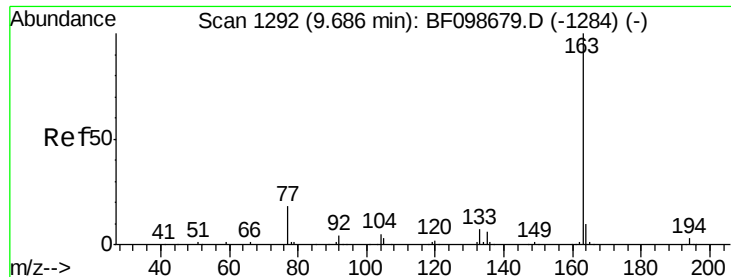
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	44.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 79.17 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098924.D
 Acq: 28 Sep 2017 23:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.1	19.6	29.4

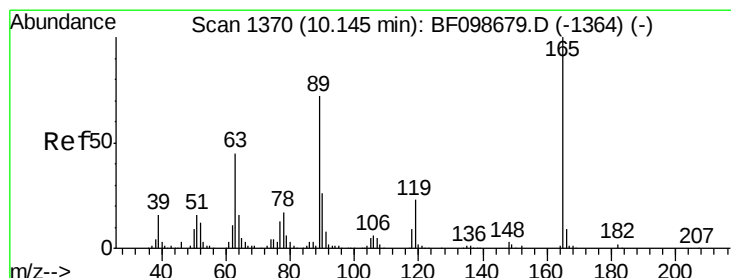
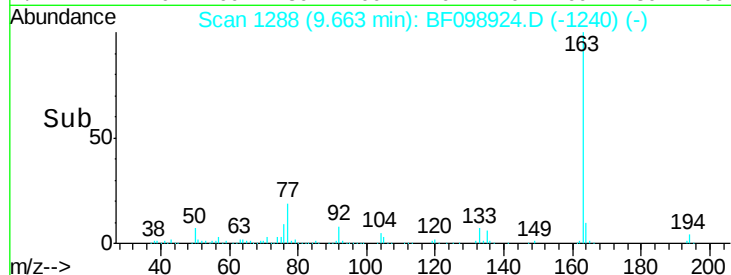
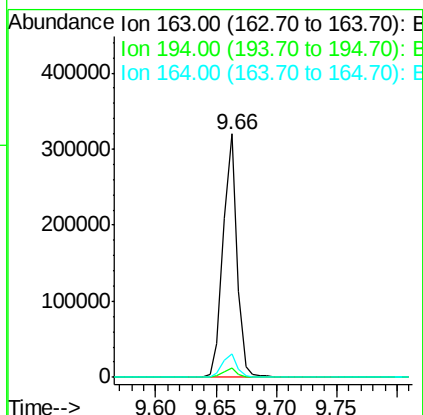
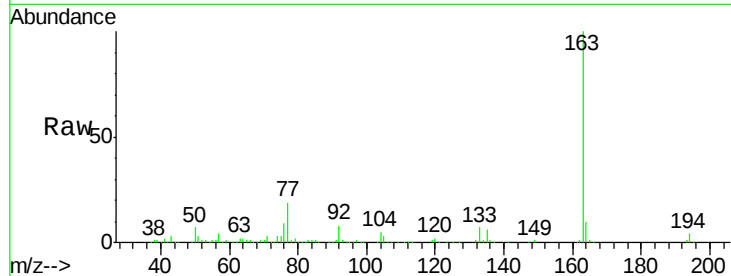




#49
Dimethylphthalate
Concen: 14.85 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098924.D
Acq: 28 Sep 2017 23:24

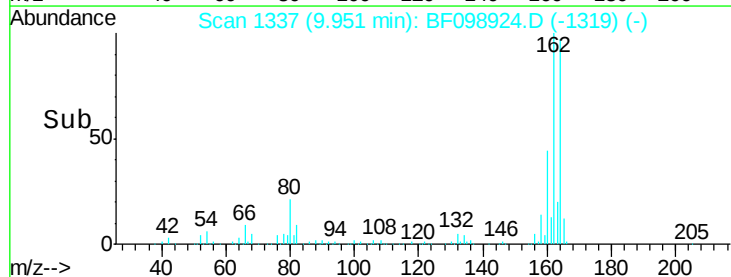
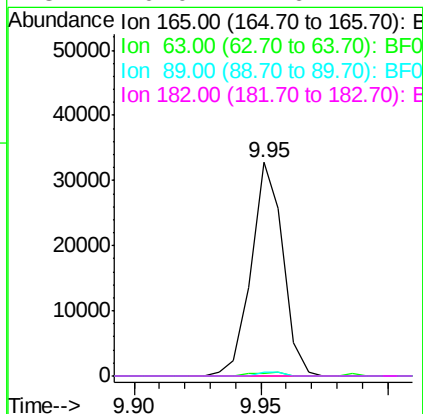
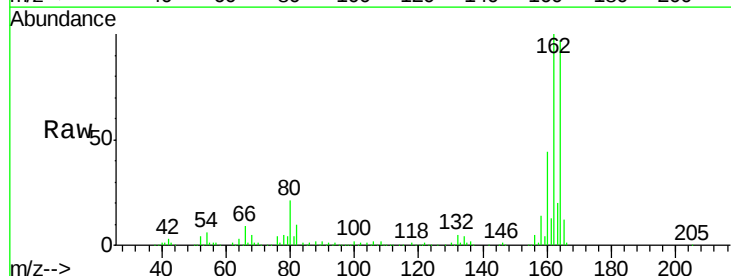
Instrument :
BNA_F
ClientSampleId :

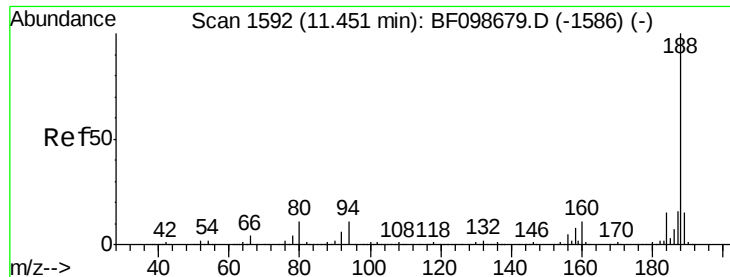
Tot Ion:163 Resp: 254024
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.9 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 5.88 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098924.D
Acq: 28 Sep 2017 23:24

Tgt Ion:165 Resp: 28443
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.9 57.8 86.6#
182 0.0 1.6 2.4#

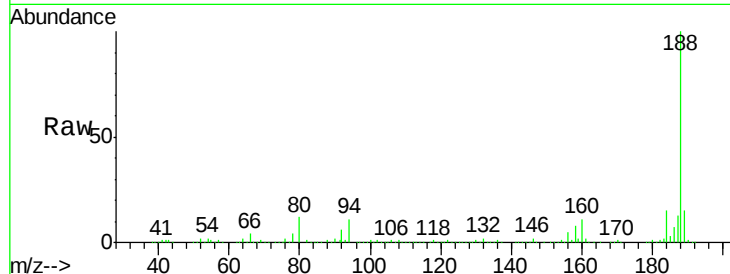




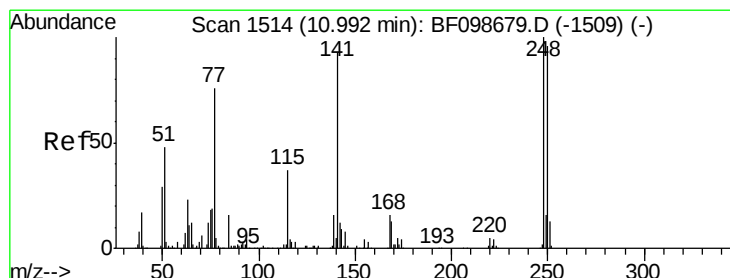
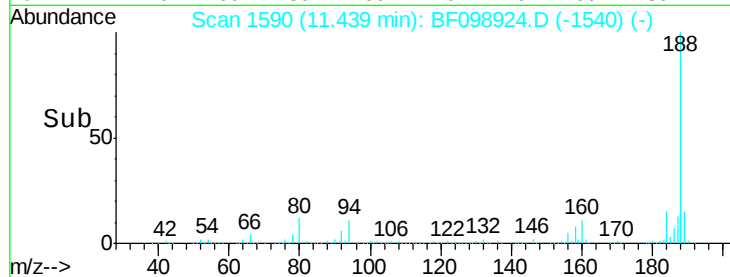
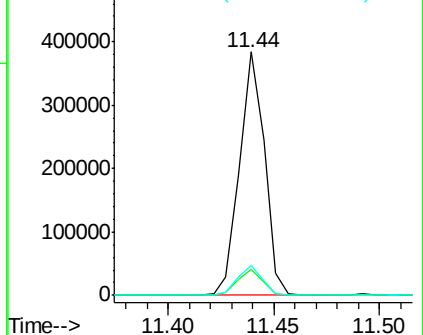
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098924.D
Acq: 28 Sep 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 314183
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 12.3 9.2 13.8

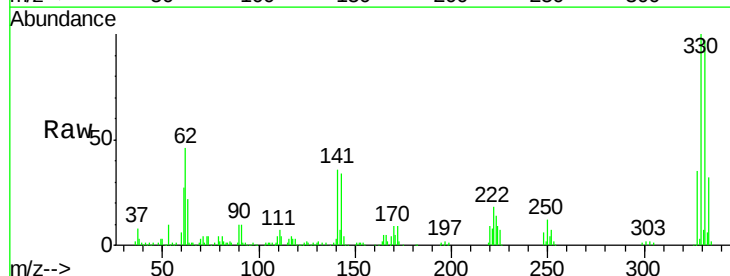


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

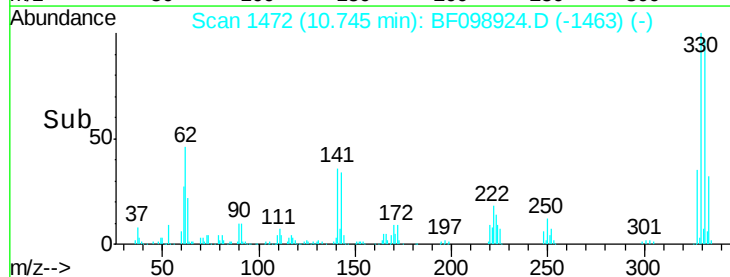
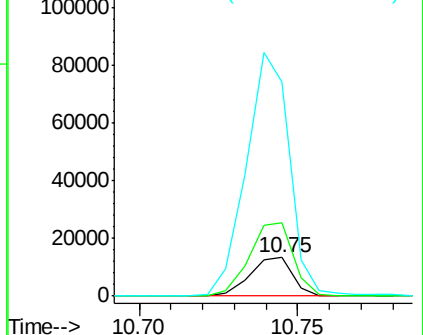


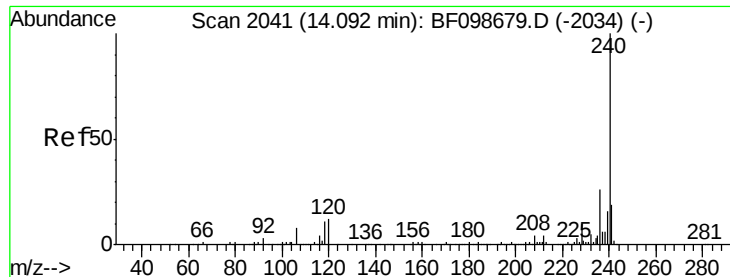
#66
4-Bromophenyl-phenylether
Concen: 4.05 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.25 min
Lab File: BF098924.D
Acq: 28 Sep 2017 23:24

Tgt Ion:248 Resp: 12453
Ion Ratio Lower Upper
248 100
250 192.1 76.9 115.3#
141 558.0 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: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098924.D

Acq: 28 Sep 2017 23:24

Instrument :

BNA_F

ClientSampleId :

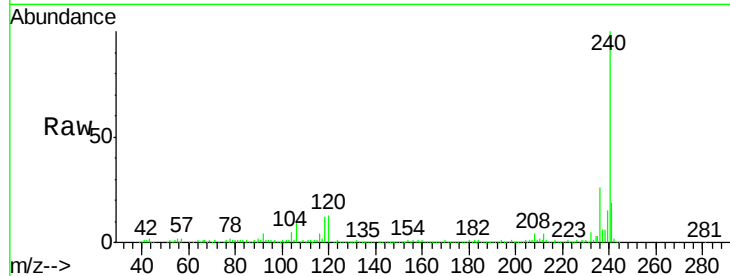
Tot Ion:240 Resp: 252076

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

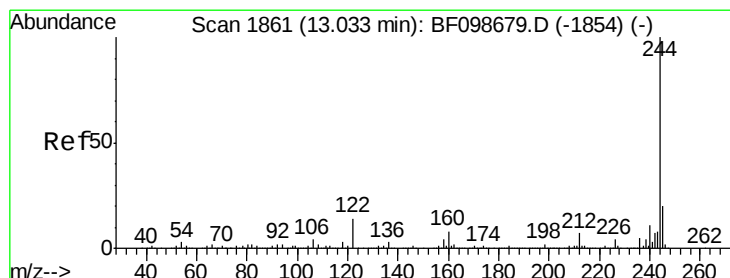
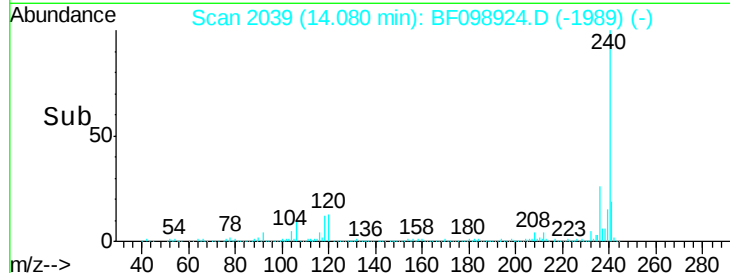
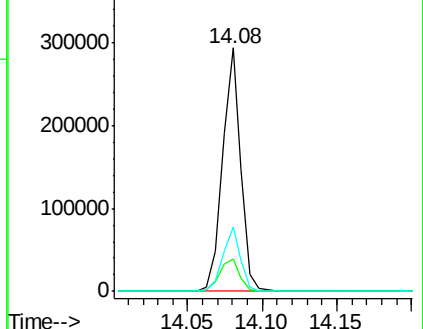
236 26.4 20.7 31.1



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: 55.38 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098924.D

Acq: 28 Sep 2017 23:24

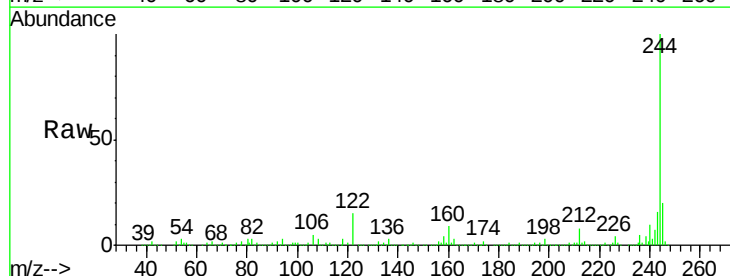
Tgt Ion:244 Resp: 613887

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

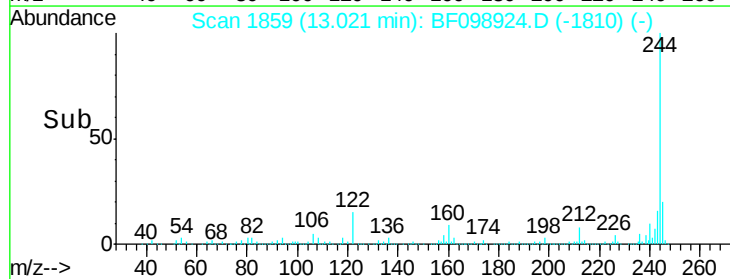
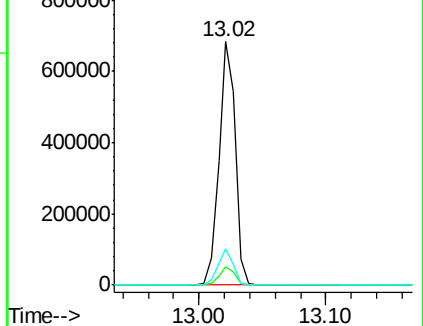
122 15.0 11.0 16.4

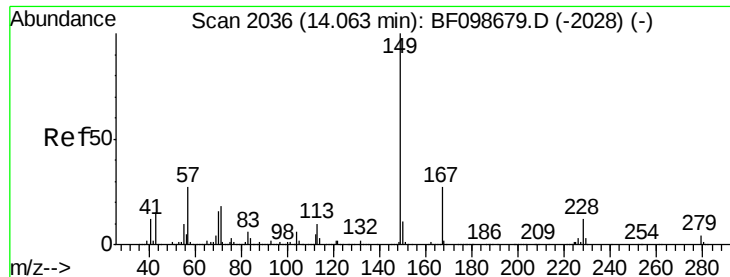


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

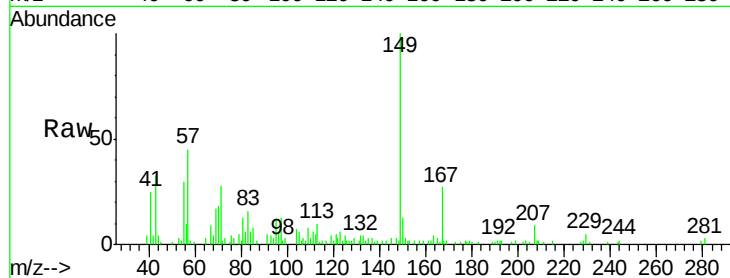




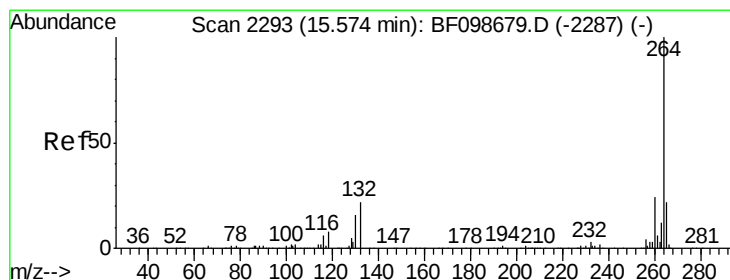
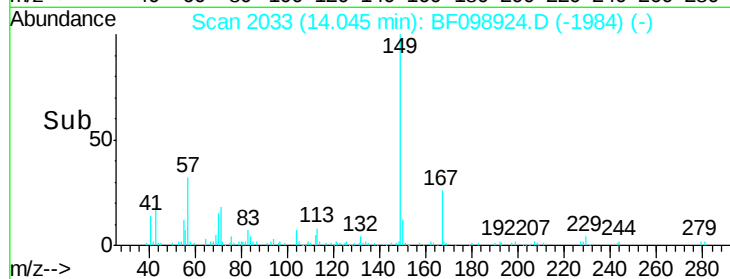
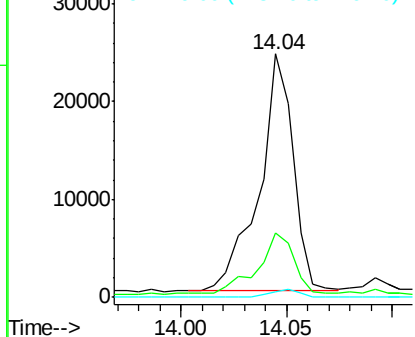
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.17 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF098924.D
Acq: 28 Sep 2017 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 26974
Ion Ratio Lower Upper
149 100
167 26.6 21.3 31.9
279 2.0 3.0 4.4#

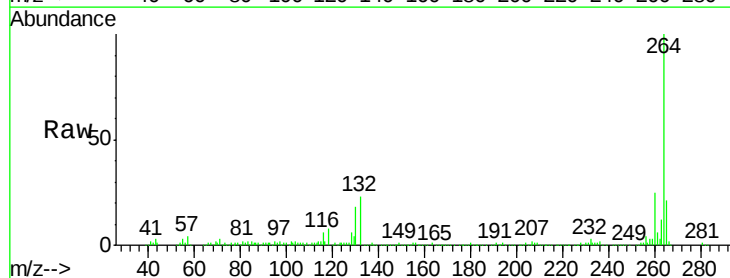


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098924.D
Acq: 28 Sep 2017 23:24

Tgt Ion:264 Resp: 258632
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 21.4 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

