

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\
 Data File : BF096645.D
 Acq On : 11 Jul 2017 15:37
 Operator : SJ/JU
 Sample : I4118-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NAA-PIPE-SAND

Quant Time: Jul 11 16:57:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

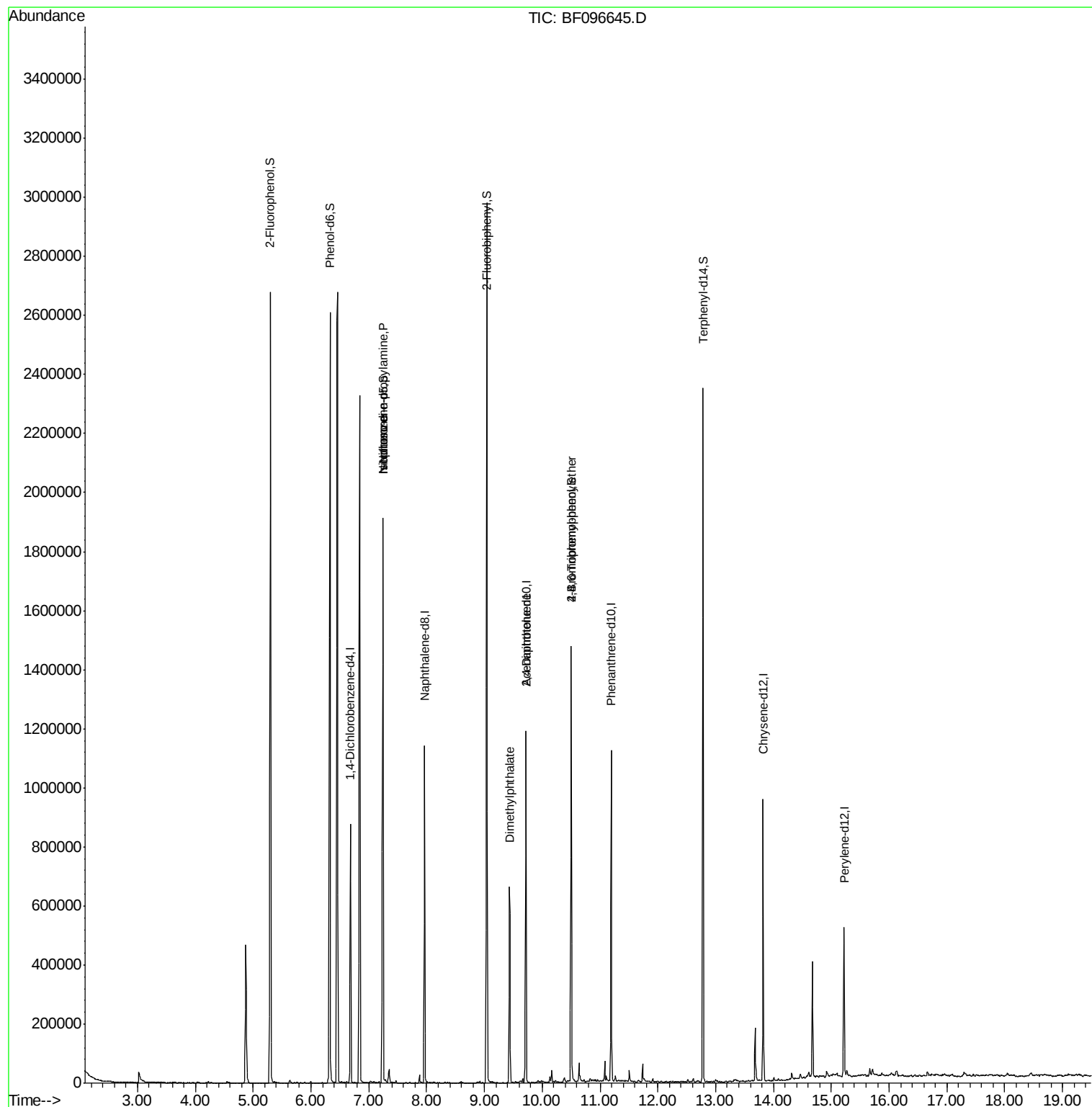
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	122577	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	526585	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	230027	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	401048	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	303597	20.00	ng	-0.02
86) Perylene-d12	15.22	264	216895	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	756866	91.14	ng	-0.01
7) Phenol-d6	6.33	99	938610	91.93	ng	-0.02
23) Nitrobenzene-d5	7.25	82	599484	68.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	187896	104.57	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	1017973	75.67	ng	-0.02
78) Terphenyl-d14	12.78	244	814554	57.33	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	77795	12.790	ng	# 89
25) Isophorone	7.25	82	595976	35.076	ng	# 67
49) Dimethylphthalate	9.43	163	285928	16.651	ng	100
56) 2,4-Dinitrotoluene	9.72	165	28993	6.029	ng	# 34
66) 4-Bromophenyl-phenylether	10.50	248	11979	3.068	ng	# 1

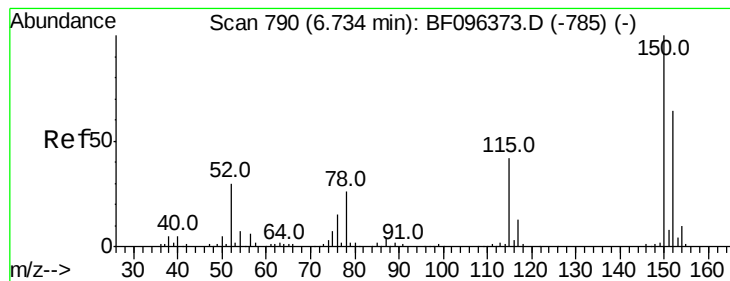
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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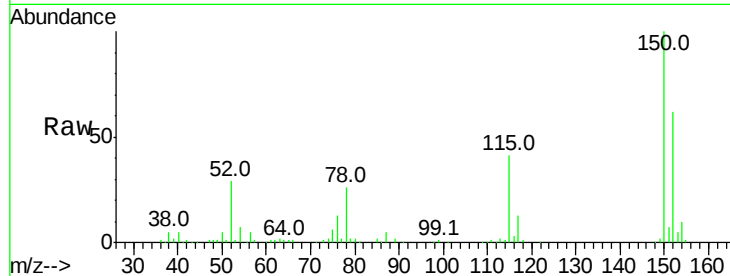


#1

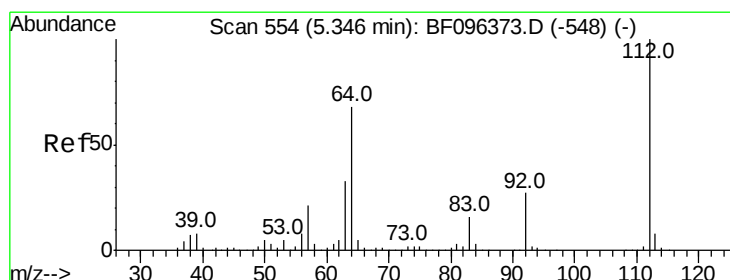
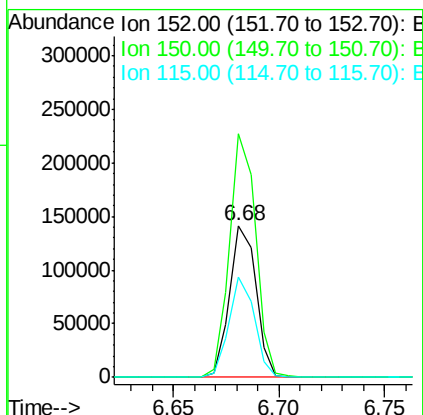
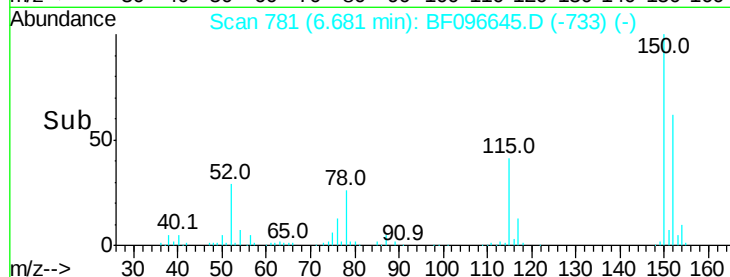
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.68 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF096645.D
 Acq: 11 Jul 2017 15:37

Instrument :
 BNA_F
 ClientSampleId :
 NAA-PIPE-SAND

Tot Ion:152 Resp: 122577
 Ion Ratio Lower Upper
 152 100
 150 160.7 126.2 189.2
 115 66.5 52.2 78.2



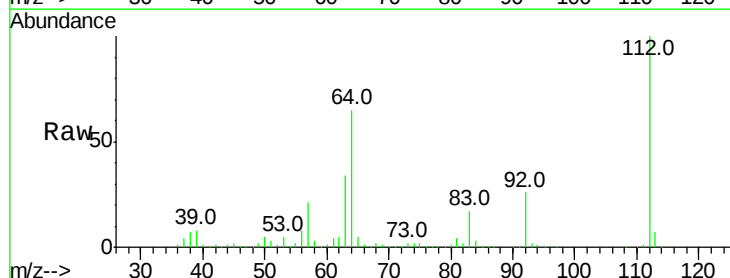
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



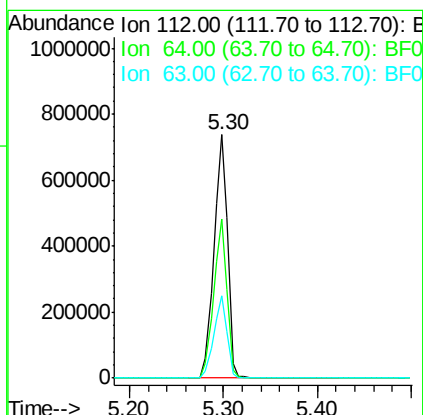
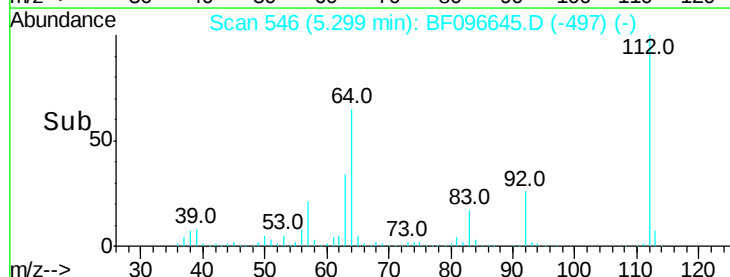
#5

2-Fluorophenol
 Concen: 91.136 ng
 RT: 5.30 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF096645.D
 Acq: 11 Jul 2017 15:37

Tgt Ion:112 Resp: 756866
 Ion Ratio Lower Upper
 112 100
 64 65.4 46.0 69.0
 63 33.7 23.4 35.0



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: 91.933 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096645.D

Acq: 11 Jul 2017 15:37

Instrument :

BNA_F

ClientSampleId :

NAA-PIPE-SAND

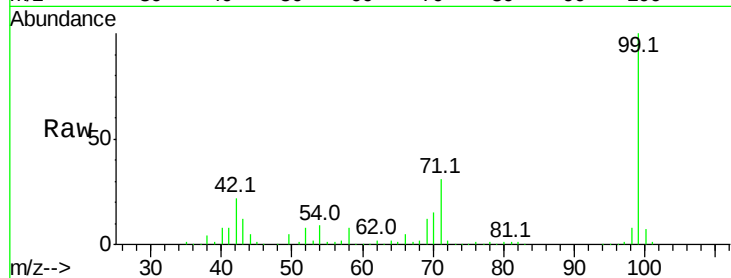
Tot Ion: 99 Resp: 938610

Ion Ratio Lower Upper

99 100

42 22.0 13.5 20.3#

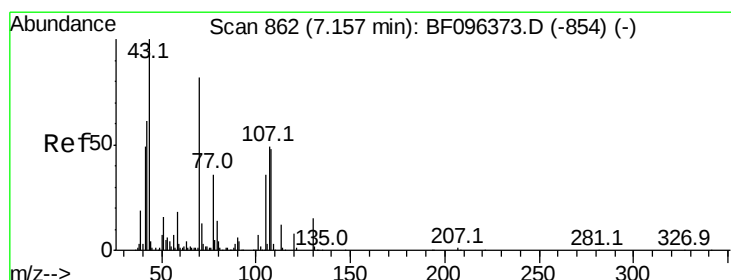
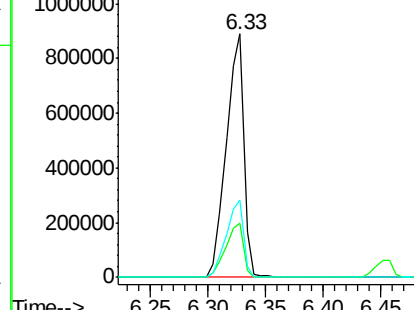
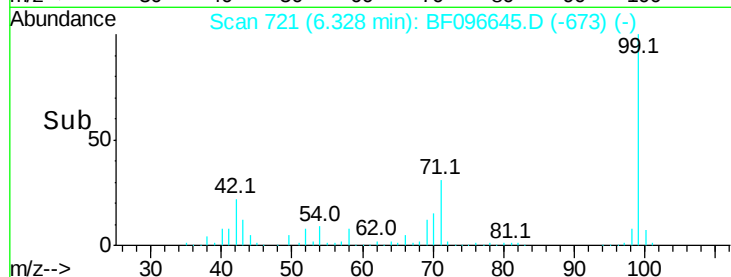
71 31.5 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.790 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.12 min

Lab File: BF096645.D

Acq: 11 Jul 2017 15:37

Tgt Ion: 70 Resp: 77795

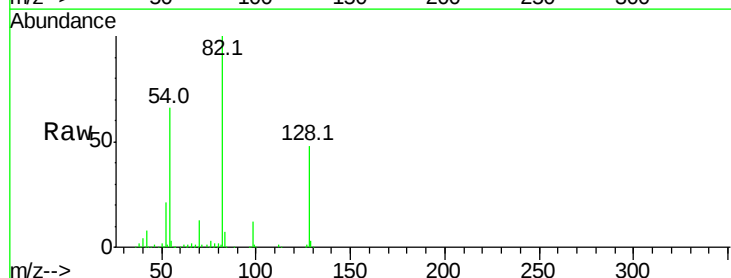
Ion Ratio Lower Upper

70 100

42 58.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

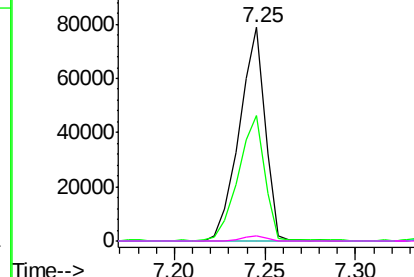
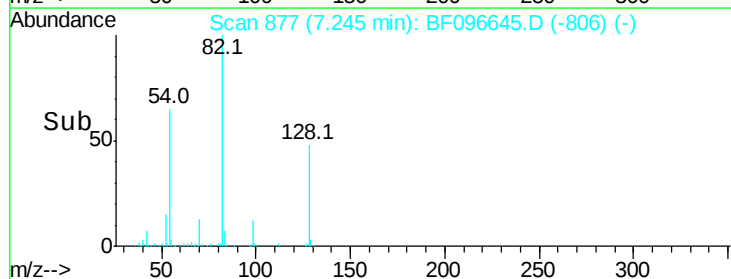


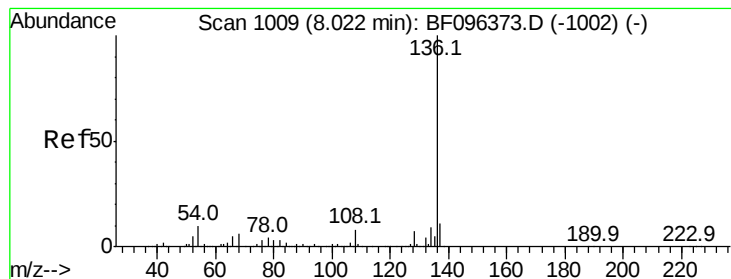
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.96 min Scan# 999

Delta R.T. -0.02 min

Lab File: BF096645.D

Acq: 11 Jul 2017 15:37

Instrument :

BNA_F

ClientSampleId :

NAA-PIPE-SAND

Tot Ion:136 Resp: 526585

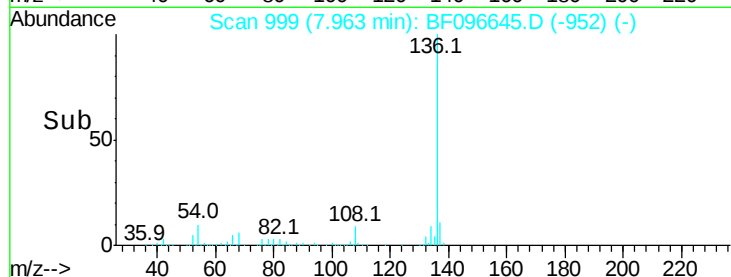
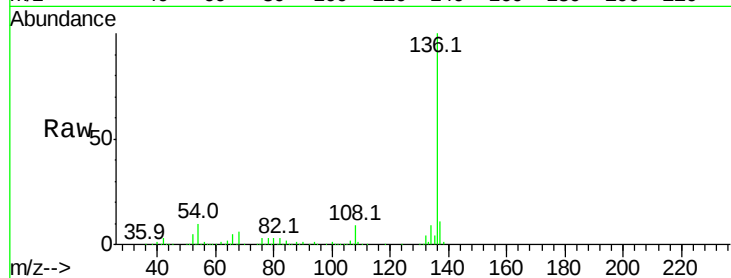
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.4 4.9 7.3#

68 6.1 4.1 6.1

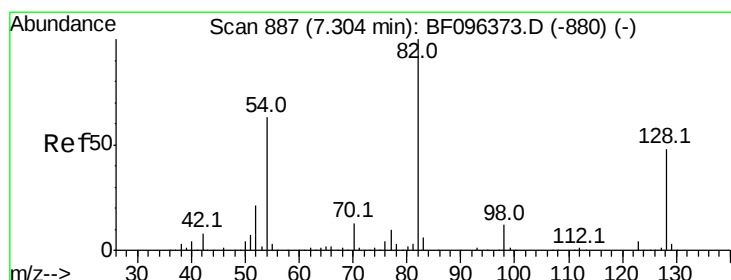
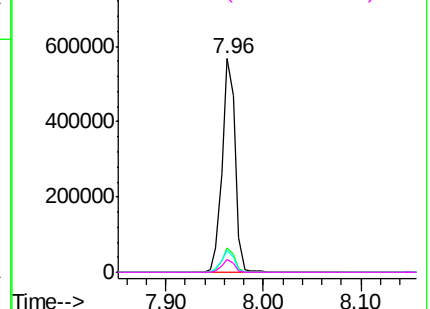


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.410 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF096645.D

Acq: 11 Jul 2017 15:37

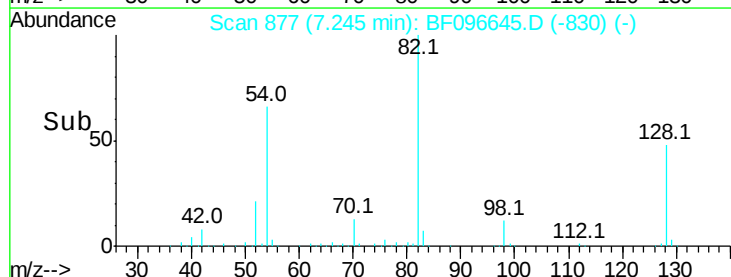
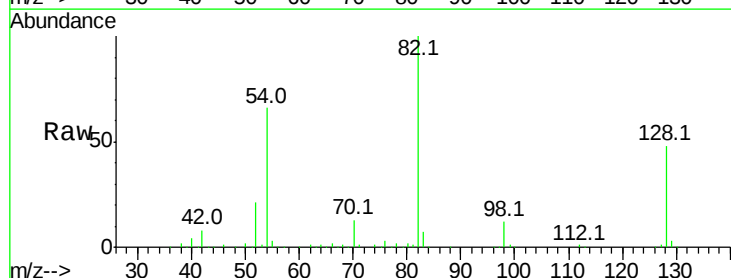
Tgt Ion: 82 Resp: 599484

Ion Ratio Lower Upper

82 100

128 47.6 34.0 51.0

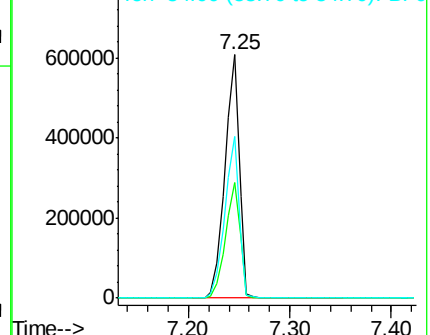
54 66.5 42.2 63.2#

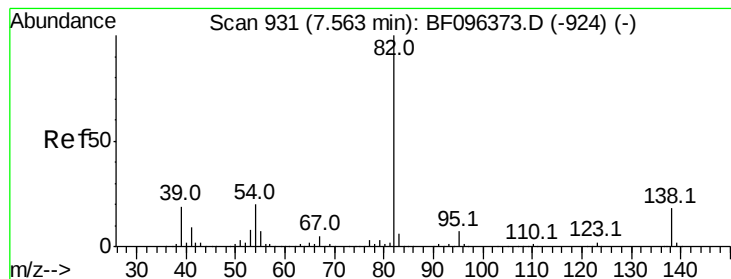


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.076 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.28 min

Lab File: BF096645.D

Acq: 11 Jul 2017 15:37

Instrument :

BNA_F

ClientSampleId :

NAA-PIPE-SAND

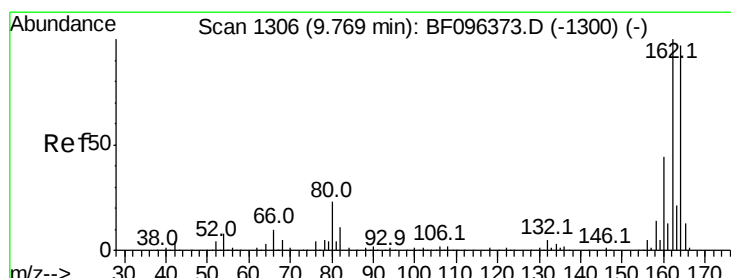
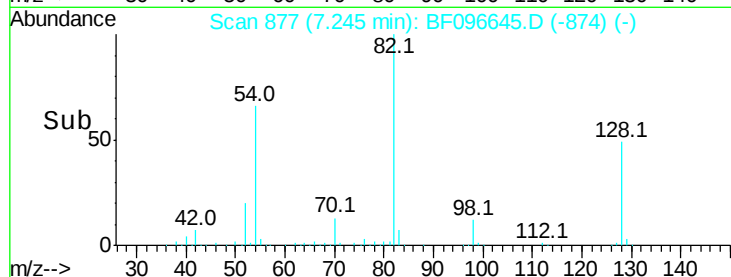
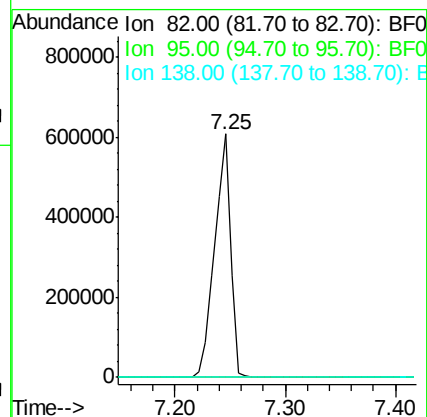
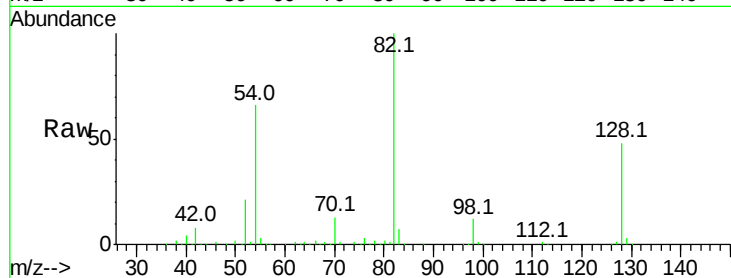
Tot Ion: 82 Resp: 595976

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096645.D

Acq: 11 Jul 2017 15:37

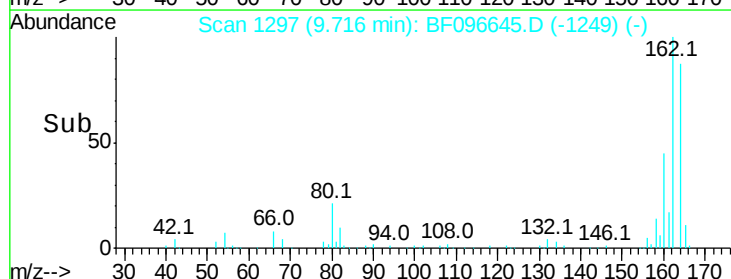
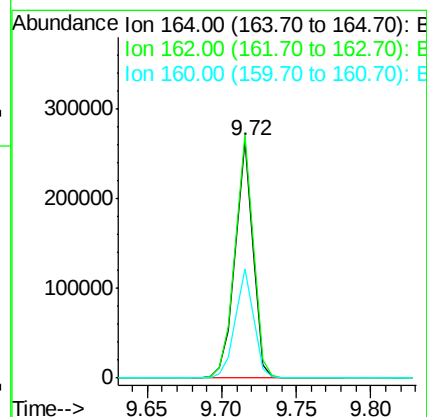
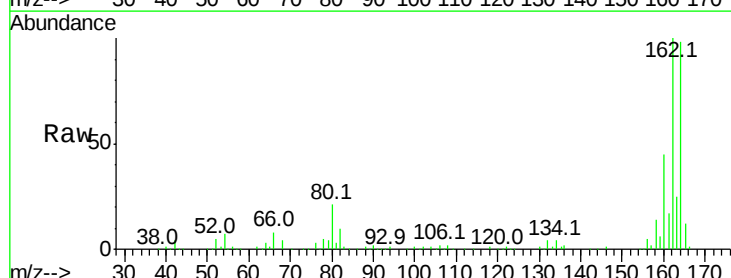
Tgt Ion: 164 Resp: 230027

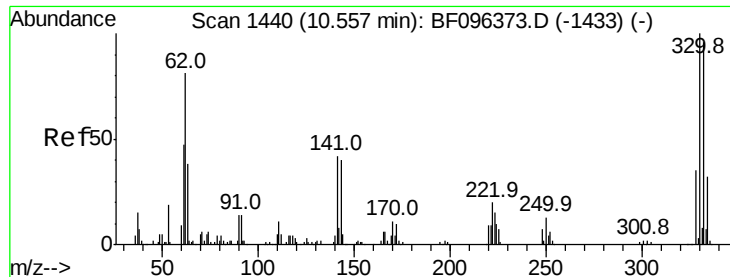
Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

160 46.0 36.2 54.2

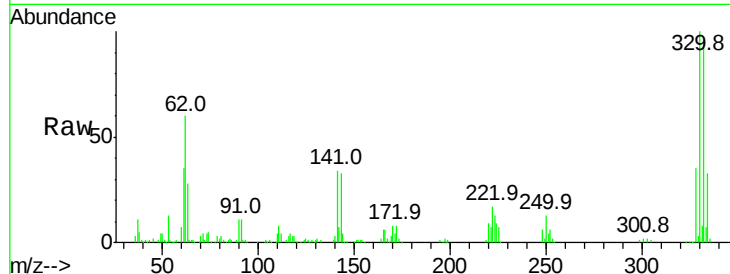




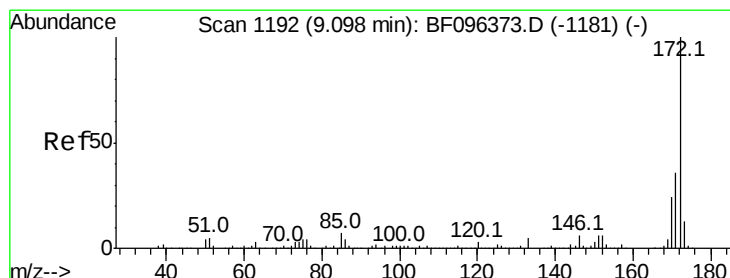
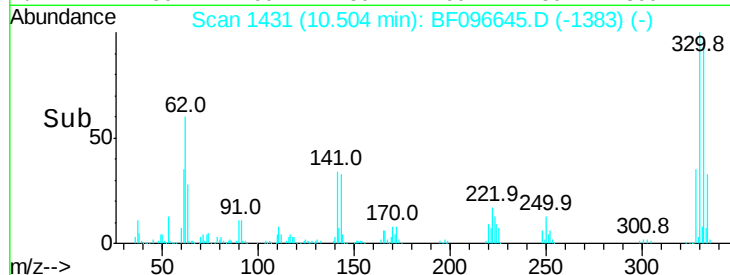
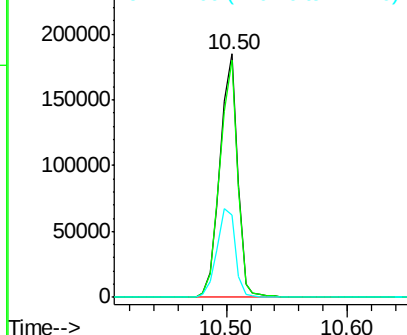
#41
 2,4,6-Tribromophenol
 Concen: 104.573 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096645.D
 Acq: 11 Jul 2017 15:37

Instrument :
 BNA_F
 ClientSampleId :
 NAA-PIPE-SAND

Tot Ion:330 Resp: 187896
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 38.1 31.4 47.2

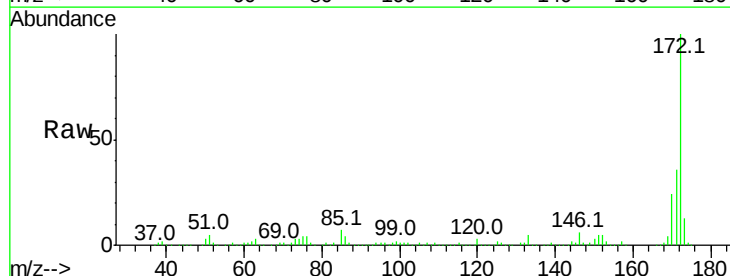


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

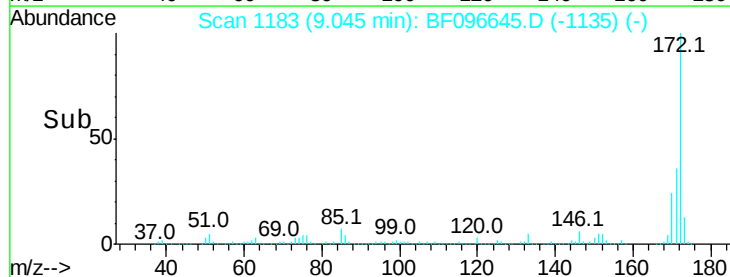
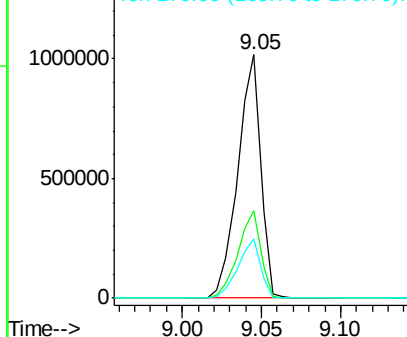


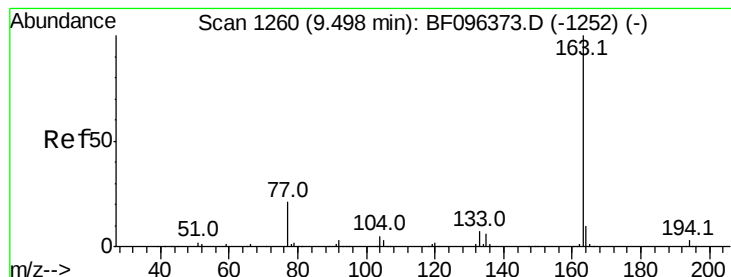
#44
 2-Fluorobiphenyl
 Concen: 75.665 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096645.D
 Acq: 11 Jul 2017 15:37

Tgt Ion:172 Resp: 1017973
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.6 44.4
 170 24.1 19.8 29.8



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





#49

Dimethylphthalate

Concen: 16.651 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.04 min

Lab File: BF096645.D

Acq: 11 Jul 2017 15:37

Instrument :

BNA_F

ClientSampleId :

NAA-PIPE-SAND

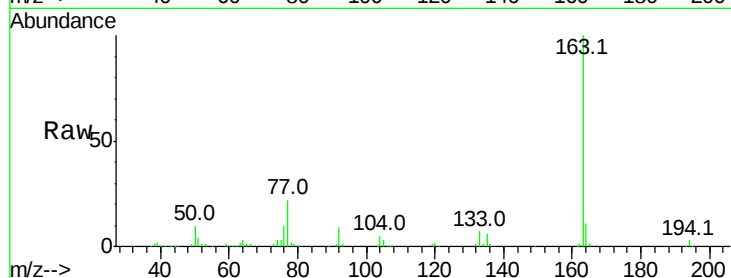
Tot Ion:163 Resp: 285928

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

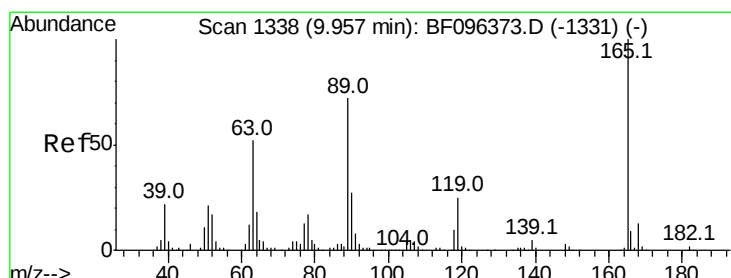
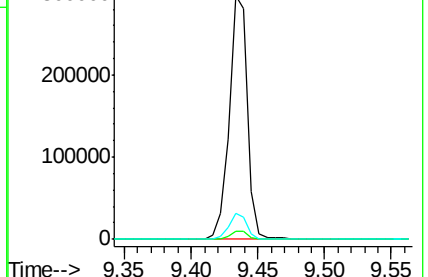
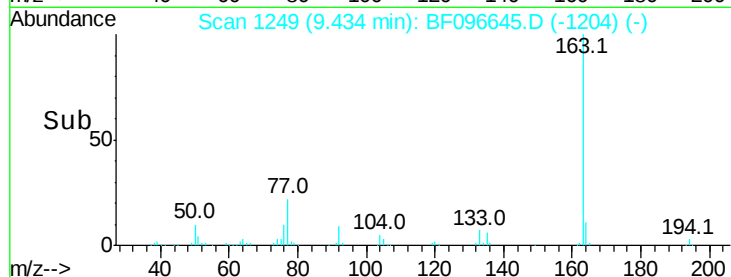
164 10.5 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.029 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.21 min

Lab File: BF096645.D

Acq: 11 Jul 2017 15:37

Tgt Ion:165 Resp: 28993

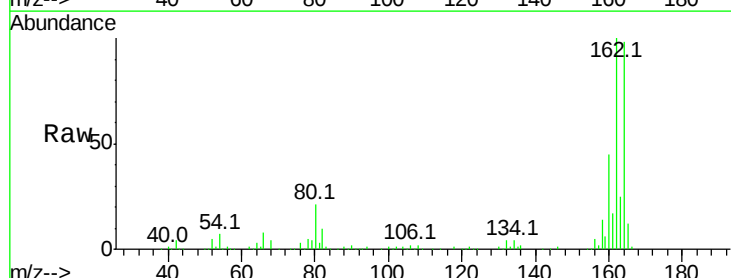
Ion Ratio Lower Upper

165 100

63 2.2 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

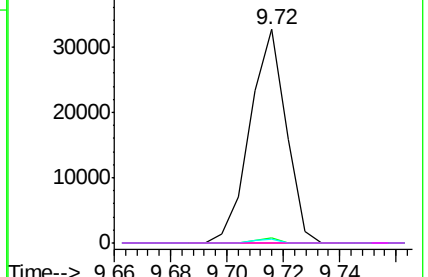
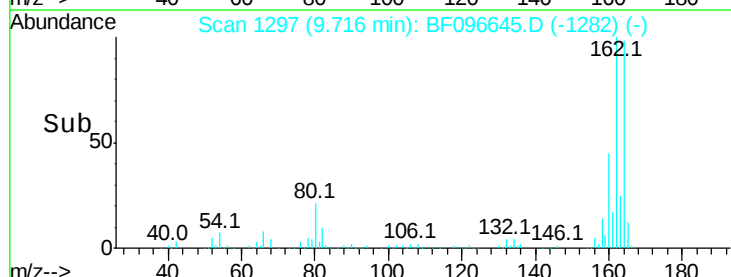


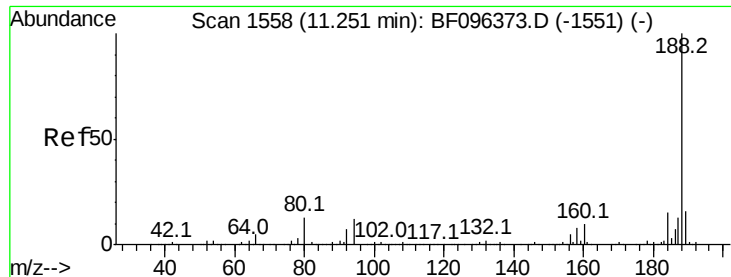
Abundance Ion 165.00 (164.70 to 165.70): E

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

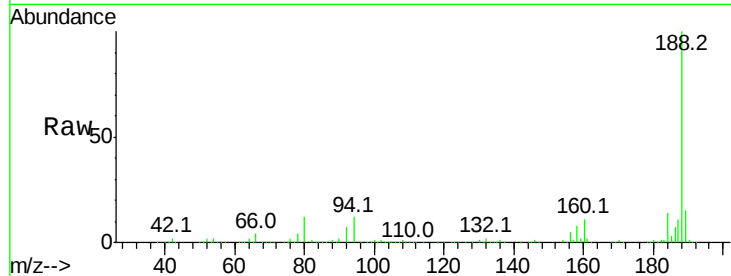




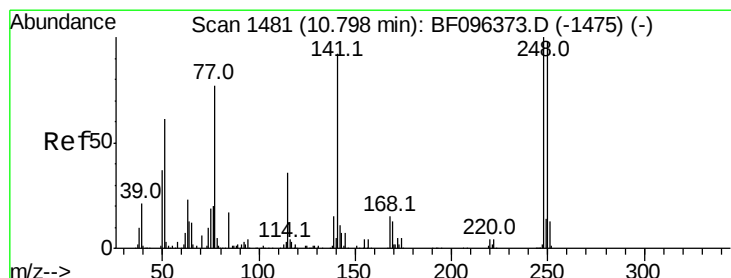
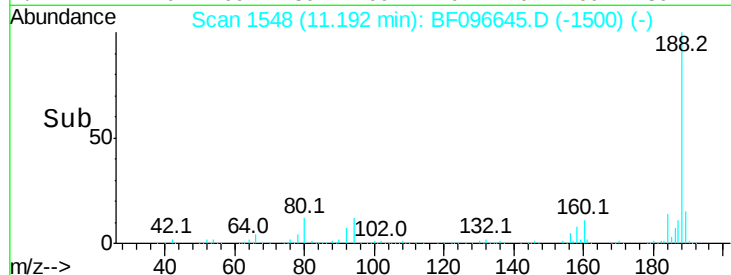
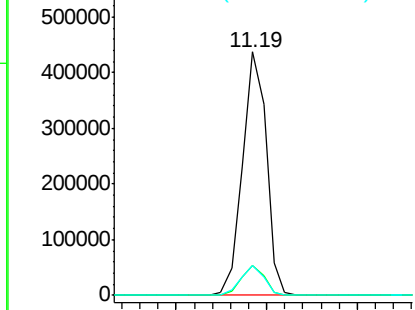
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF096645.D
 Acq: 11 Jul 2017 15:37

Instrument :
 BNA_F
 ClientSampleId :
 NAA-PIPE-SAND

Tot Ion:188 Resp: 401048
 Ion Ratio Lower Upper
 188 100
 94 12.4 9.4 14.2
 80 12.2 10.2 15.2

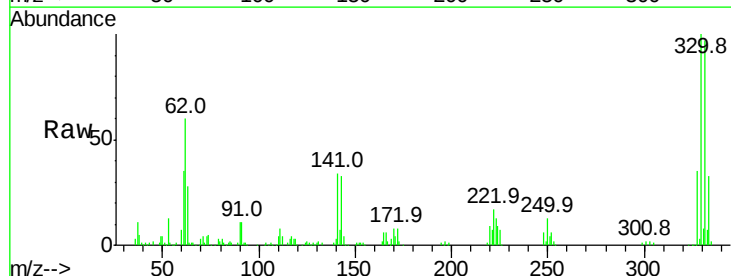


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

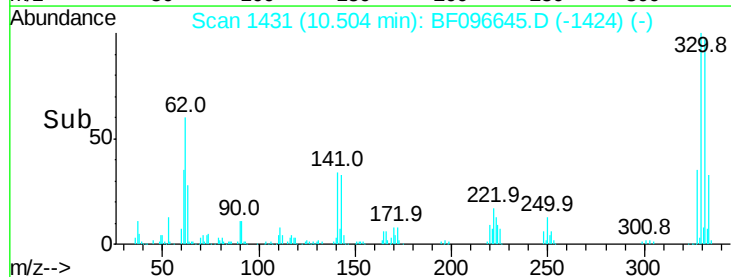
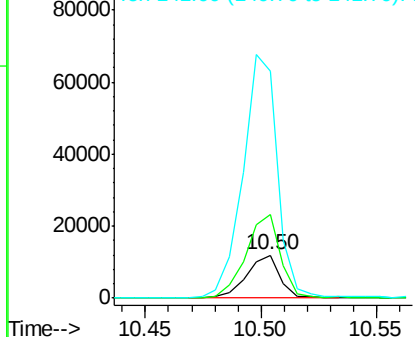


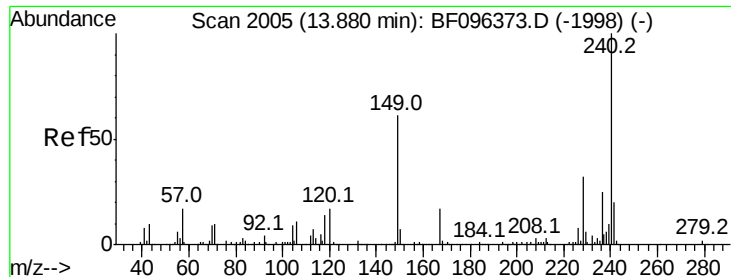
#66
 4-Bromophenyl-phenylether
 Concen: 3.068 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.26 min
 Lab File: BF096645.D
 Acq: 11 Jul 2017 15:37

Tgt Ion:248 Resp: 11979
 Ion Ratio Lower Upper
 248 100
 250 194.5 76.8 115.2#
 141 527.2 68.6 103.0#



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: 20.000 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF096645.D

Acq: 11 Jul 2017 15:37

Instrument :

BNA_F

ClientSampleId :

NAA-PIPE-SAND

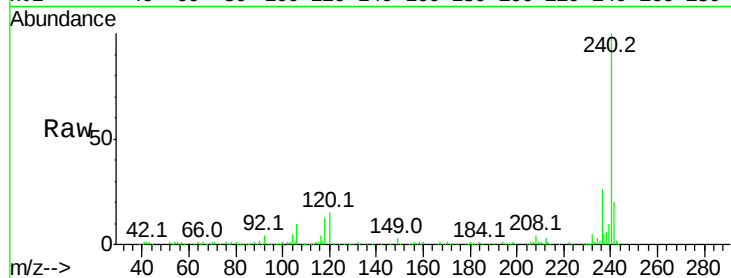
Tot Ion:240 Resp: 303597

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

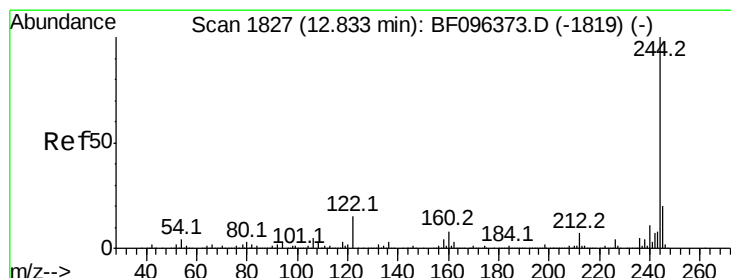
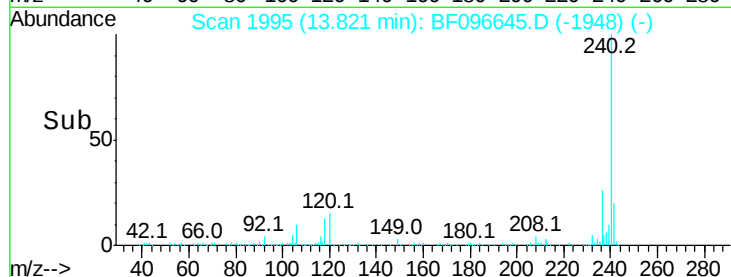
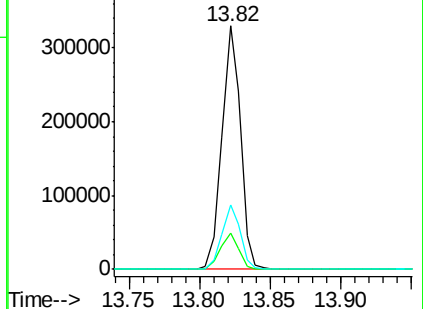
236 26.2 20.5 30.7



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: 57.332 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096645.D

Acq: 11 Jul 2017 15:37

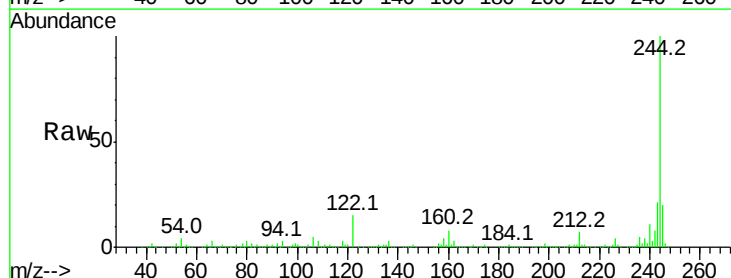
Tgt Ion:244 Resp: 814554

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

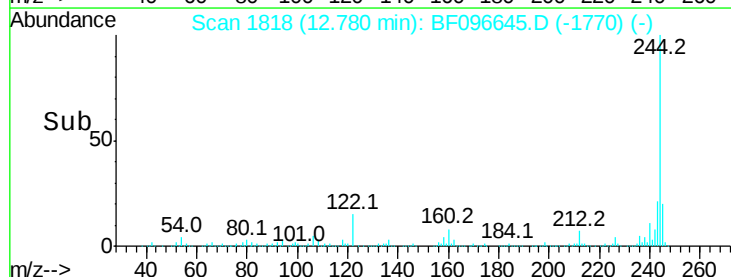
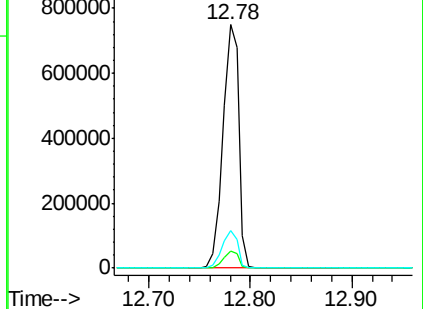
122 15.4 10.3 15.5

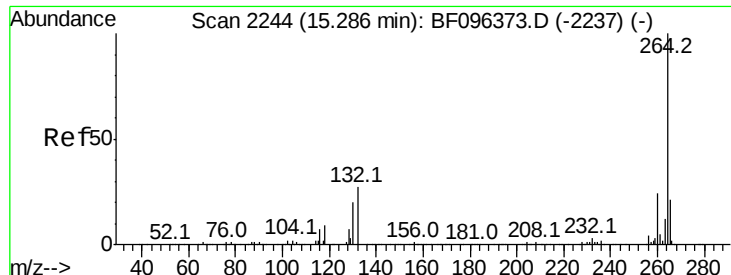


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

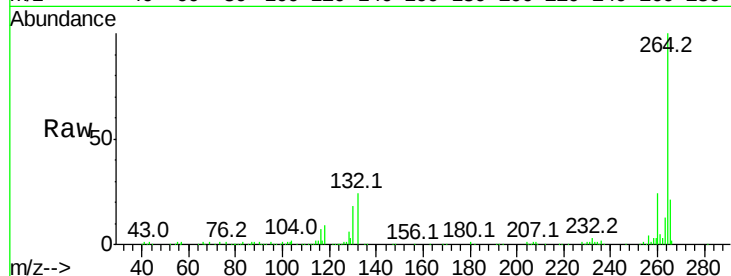




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.22 min Scan# 2233
 Delta R.T. -0.02 min
 Lab File: BF096645.D
 Acq: 11 Jul 2017 15:37

Instrument :
 BNA_F
 ClientSampleId :
 NAA-PIPE-SAND

Tot Ion:264 Resp: 216895
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.5 29.3
 265 20.7 17.2 25.8



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

