

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\
 Data File : BF096642.D
 Acq On : 11 Jul 2017 14:12
 Operator : SJ/JU
 Sample : I4114-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SAND

Quant Time: Jul 11 16:55:46 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

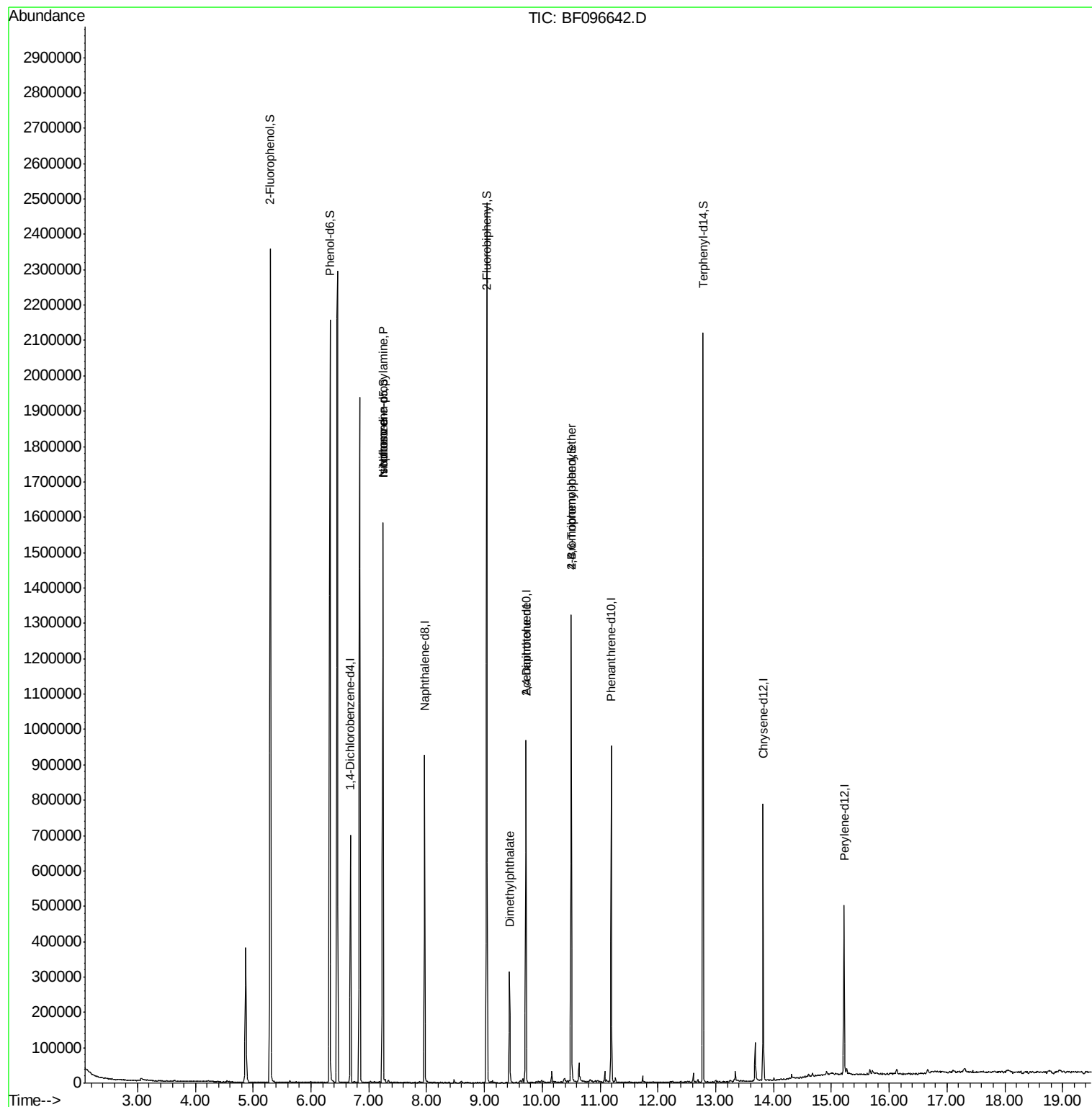
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	104217	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	433031	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	192396	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	334373	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	243163	20.00	ng	-0.02
86) Perylene-d12	15.22	264	190591	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	656164	92.93	ng	-0.01
7) Phenol-d6	6.33	99	798070	91.94	ng	-0.02
23) Nitrobenzene-d5	7.25	82	465330	64.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	156790	104.33	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	859212	76.36	ng	-0.02
78) Terphenyl-d14	12.78	244	685890	60.27	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	61387	11.871	ng	# 89
25) Isophorone	7.25	82	463238	33.154	ng	# 67
49) Dimethylphthalate	9.43	163	119441	8.316	ng	# 99
56) 2,4-Dinitrotoluene	9.72	165	24196	6.016	ng	# 32
66) 4-Bromophenyl-phenylether	10.50	248	10485	3.221	ng	# 1

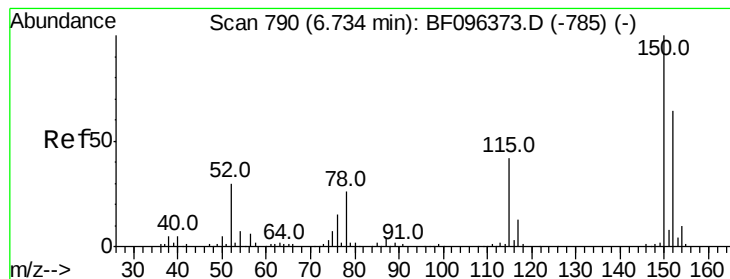
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\
Data File : BF096642.D
Acq On : 11 Jul 2017 14:12
Operator : SJ/JU
Sample : I4114-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NAA-SAND

Quant Time: Jul 11 16:55:46 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



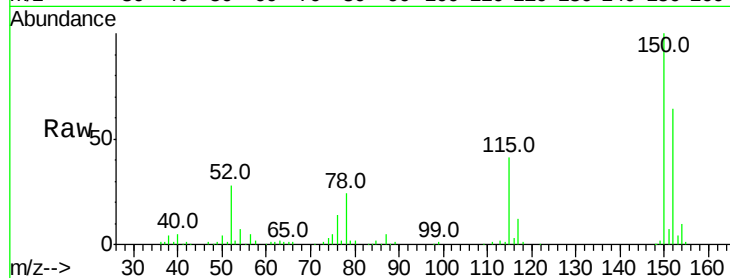


#1

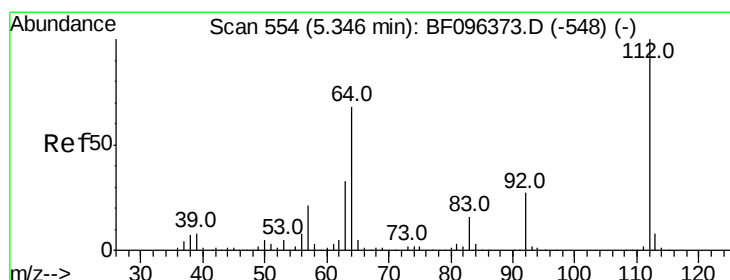
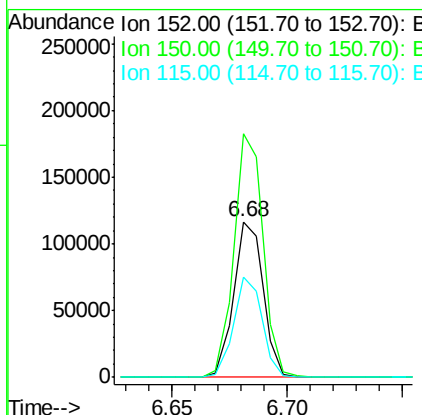
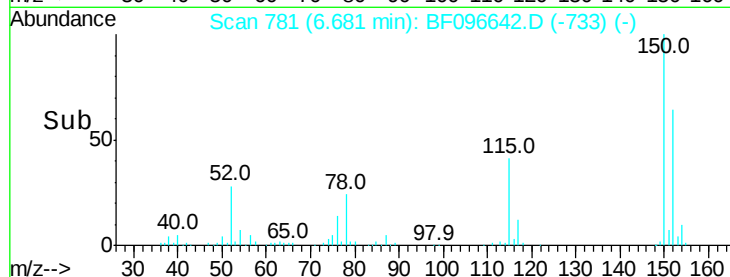
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.68 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF096642.D
 Acq: 11 Jul 2017 14:12

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SAND

Tot Ion:152 Resp: 104217
 Ion Ratio Lower Upper
 152 100
 150 156.2 126.2 189.2
 115 64.1 52.2 78.2



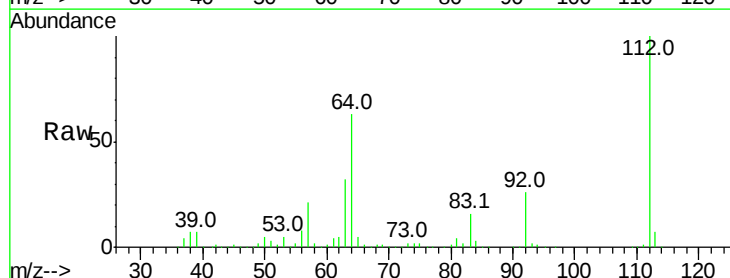
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



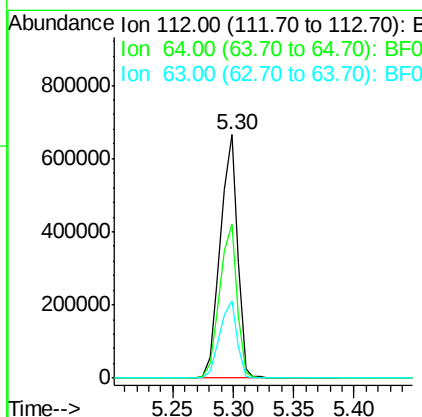
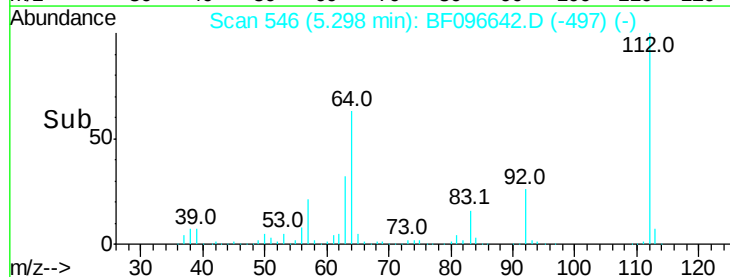
#5

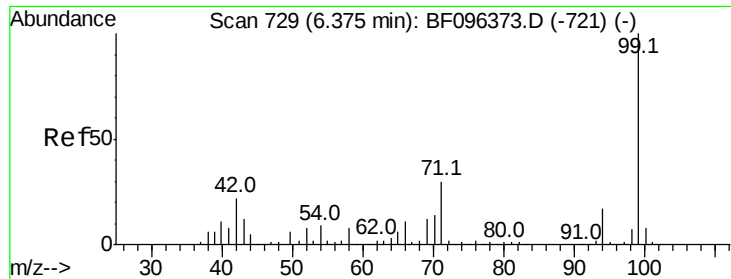
2-Fluorophenol
 Concen: 92.929 ng
 RT: 5.30 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF096642.D
 Acq: 11 Jul 2017 14:12

Tgt Ion:112 Resp: 656164
 Ion Ratio Lower Upper
 112 100
 64 63.3 46.0 69.0
 63 31.9 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: 91.939 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096642.D

Acq: 11 Jul 2017 14:12

Instrument :

BNA_F

ClientSampleId :

NAA-SAND

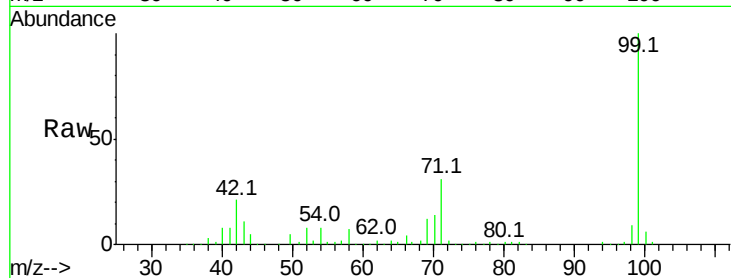
Tot Ion: 99 Resp: 798070

Ion Ratio Lower Upper

99 100

42 21.1 13.5 20.3#

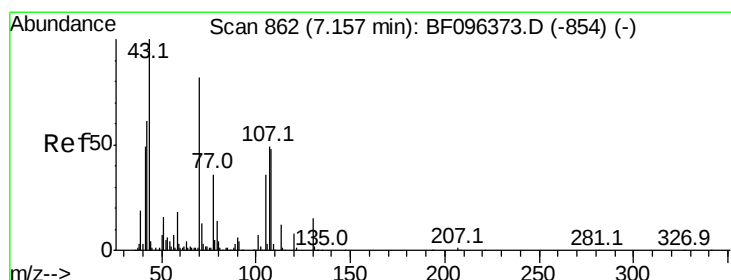
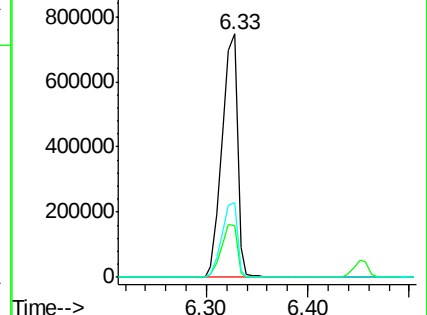
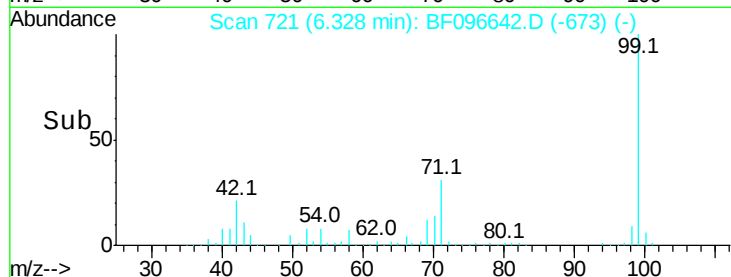
71 30.7 24.5 36.7



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: 11.871 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.12 min

Lab File: BF096642.D

Acq: 11 Jul 2017 14:12

Tgt Ion: 70 Resp: 61387

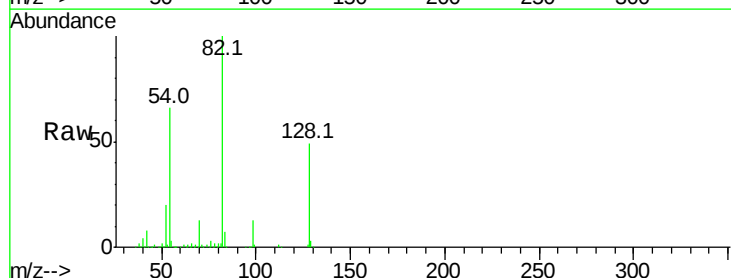
Ion Ratio Lower Upper

70 100

42 59.6 47.2 70.8

101 0.0 7.2 10.8#

130 3.1 15.9 23.9#

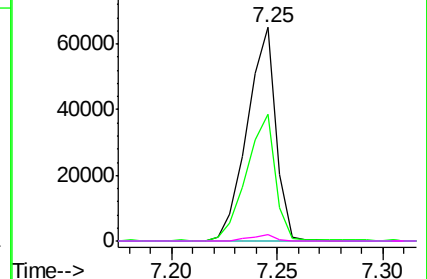
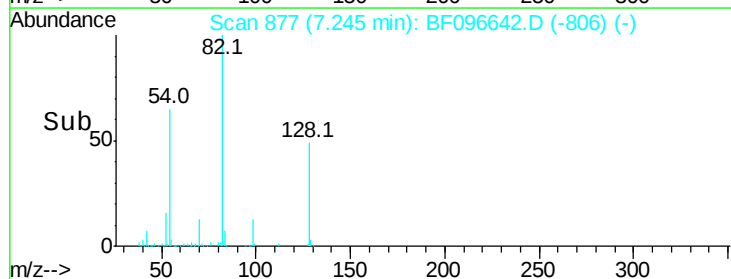


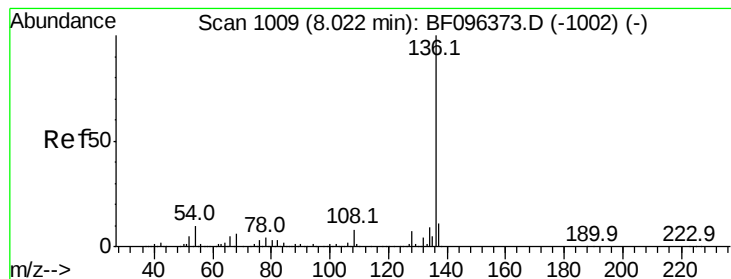
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF096642.D

Acq: 11 Jul 2017 14:12

Instrument :

BNA_F

ClientSampleId :

NAA-SAND

Tot Ion:136 Resp: 433031

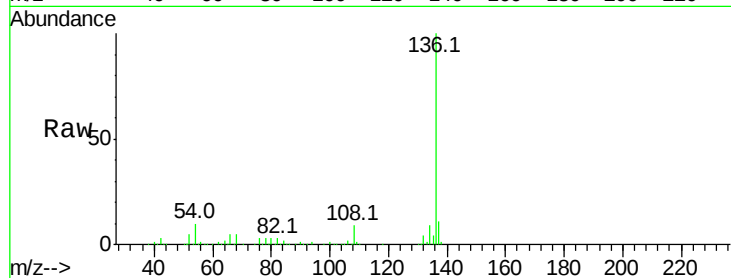
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.5 4.9 7.3#

68 4.9 4.1 6.1

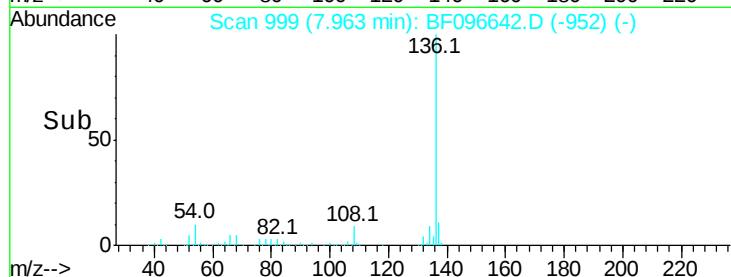


Abundance Ion 136.00 (135.70 to 136.70): E

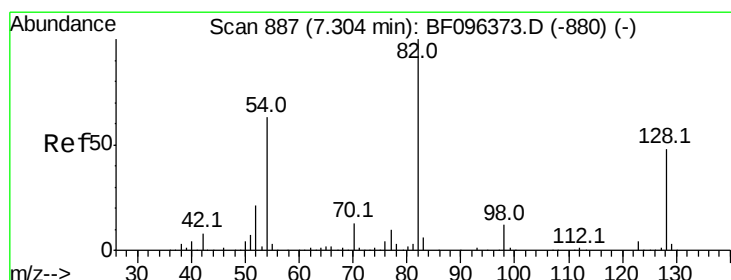
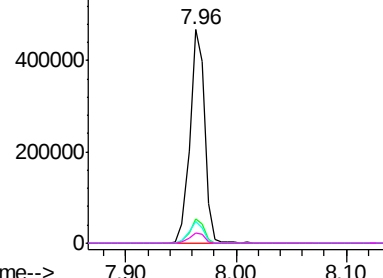
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 64.573 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF096642.D

Acq: 11 Jul 2017 14:12

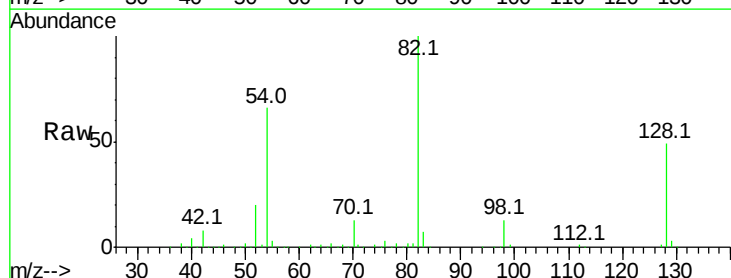
Tgt Ion: 82 Resp: 465330

Ion Ratio Lower Upper

82 100

128 48.8 34.0 51.0

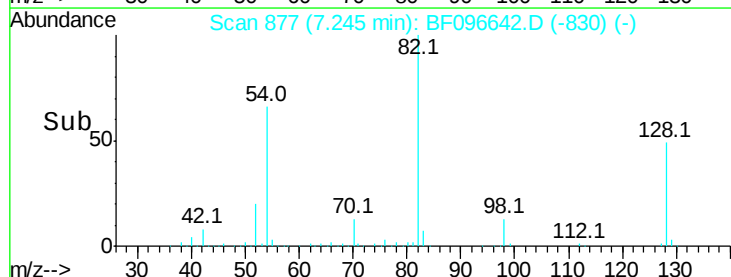
54 66.3 42.2 63.2#



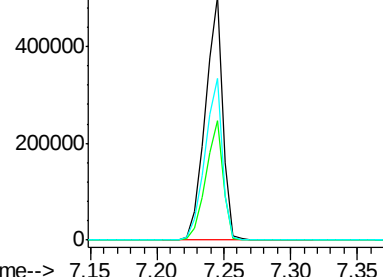
Abundance Ion 82.00 (81.70 to 82.70): BF0

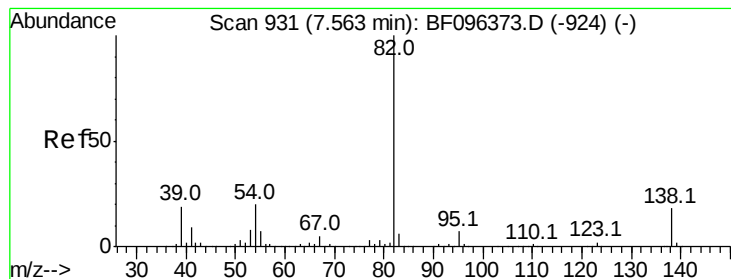
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 33.154 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.28 min

Lab File: BF096642.D

Acq: 11 Jul 2017 14:12

Instrument :

BNA_F

ClientSampleId :

NAA-SAND

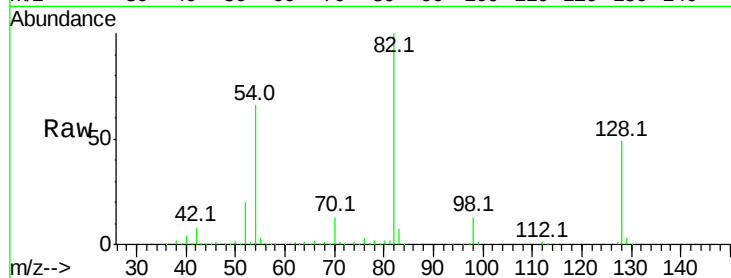
Tot Ion: 82 Resp: 463238

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

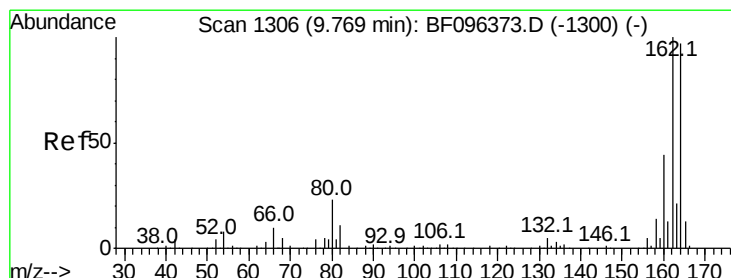
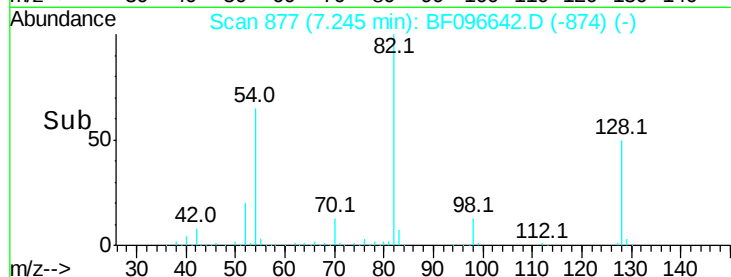
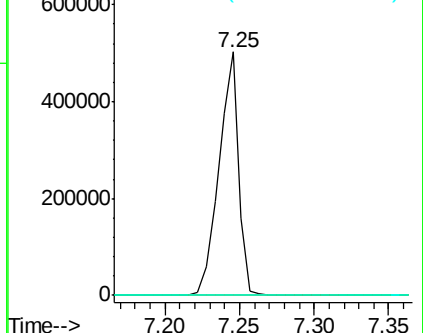
138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096642.D

Acq: 11 Jul 2017 14:12

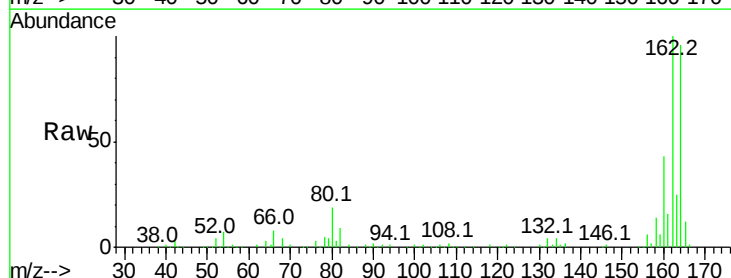
Tgt Ion:164 Resp: 192396

Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

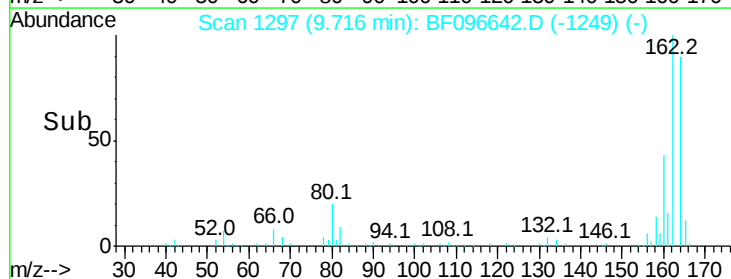
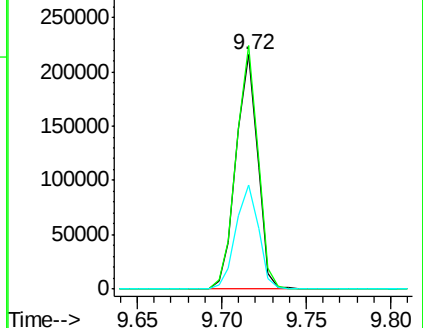
160 44.6 36.2 54.2

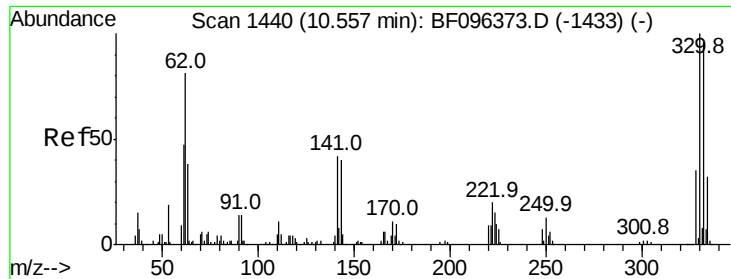


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

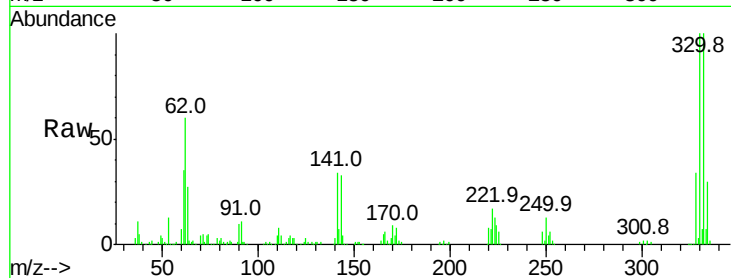




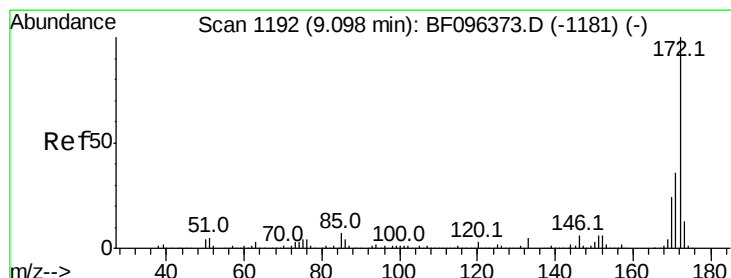
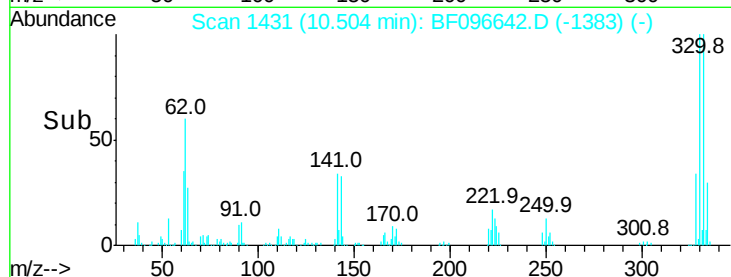
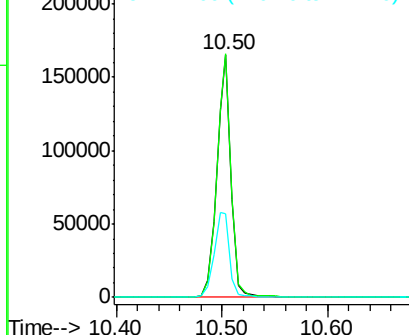
#41
 2,4,6-Tribromophenol
 Concen: 104.329 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096642.D
 Acq: 11 Jul 2017 14:12

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SAND

Tot Ion:330 Resp: 156790
 Ion Ratio Lower Upper
 330 100
 332 100.0 76.6 115.0
 141 38.3 31.4 47.2

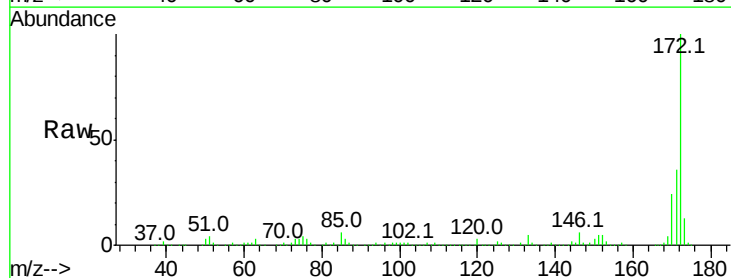


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

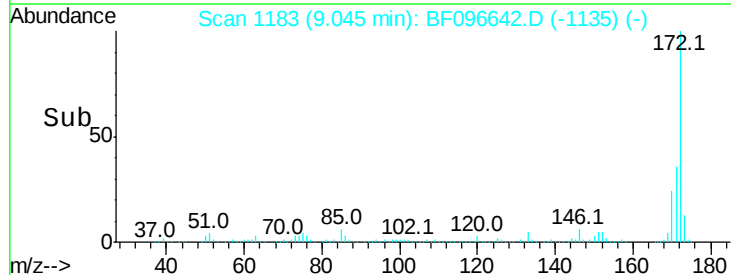
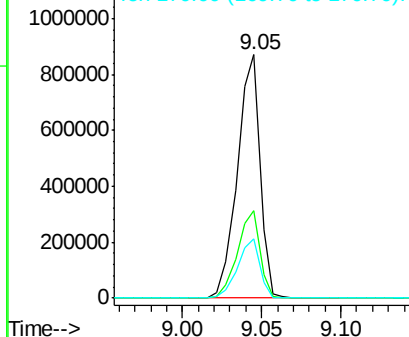


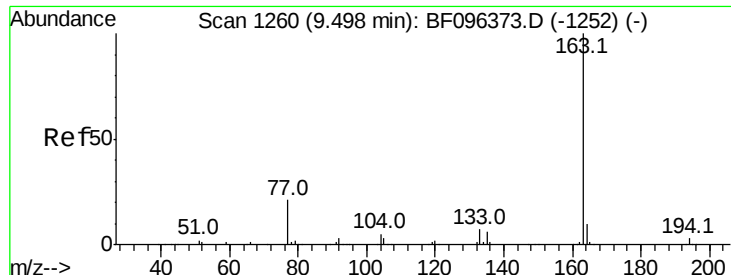
#44
 2-Fluorobiphenyl
 Concen: 76.356 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096642.D
 Acq: 11 Jul 2017 14:12

Tgt Ion:172 Resp: 859212
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.2 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

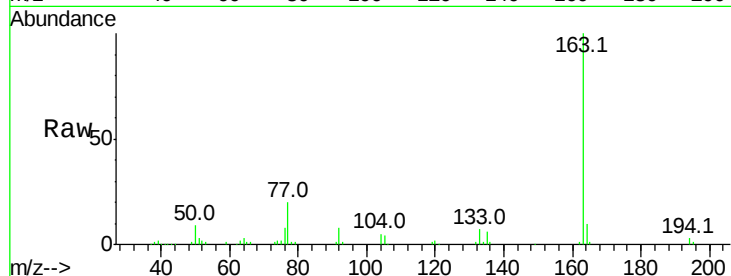




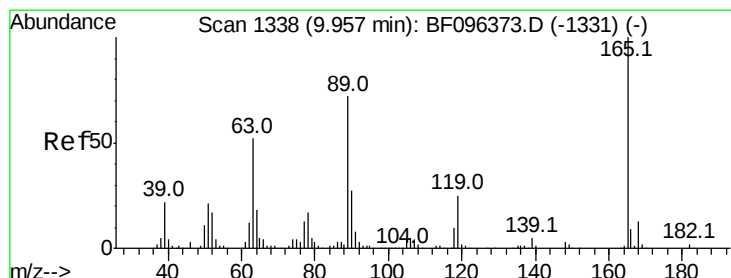
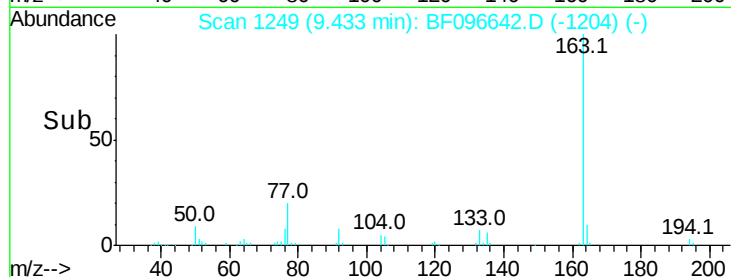
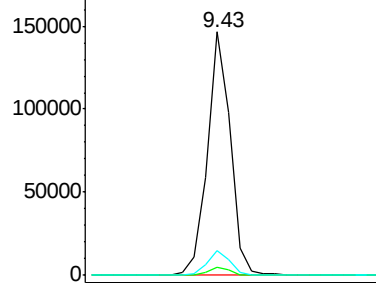
#49
 Dimethylphthalate
 Concen: 8.316 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.04 min
 Lab File: BF096642.D
 Acq: 11 Jul 2017 14:12

Instrument :
 BNA_F
 ClientSampleId :
 NAA-SAND

Tot Ion:	163	Resp:	119441
Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.0	8.4	12.6

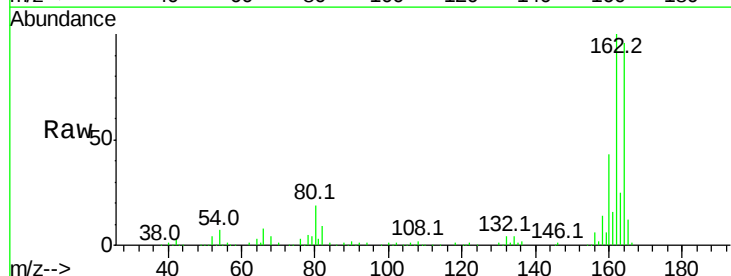


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

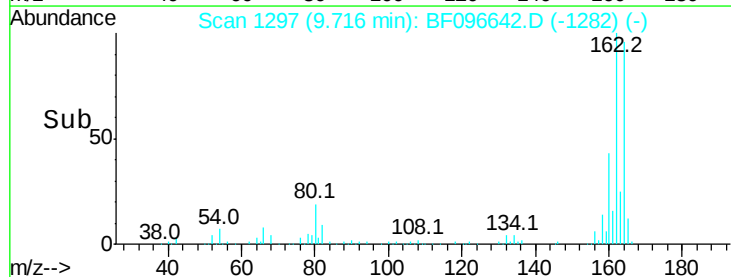
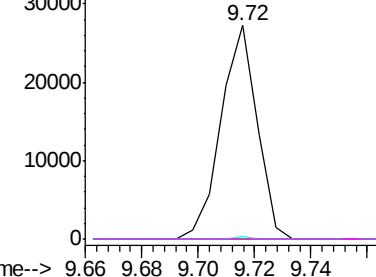


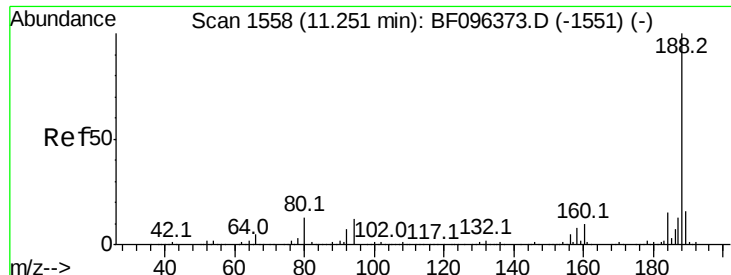
#56
 2,4-Dinitrotoluene
 Concen: 6.016 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF096642.D
 Acq: 11 Jul 2017 14:12

Tgt Ion:	165	Resp:	24196
Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.5	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: BF096642.D

Acq: 11 Jul 2017 14:12

Instrument :

BNA_F

ClientSampleId :

NAA-SAND

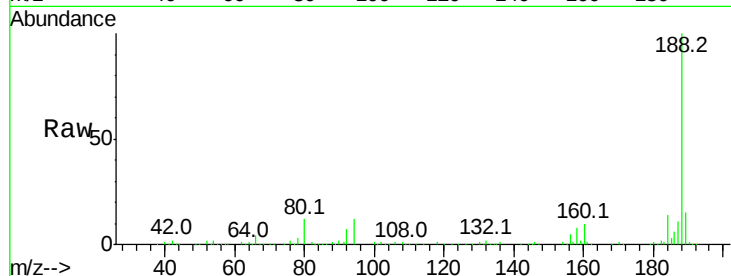
Tot Ion:188 Resp: 334373

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.2

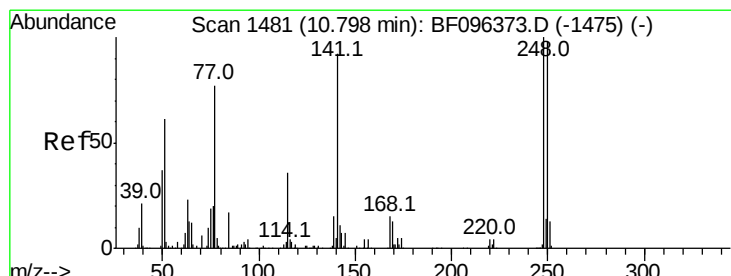
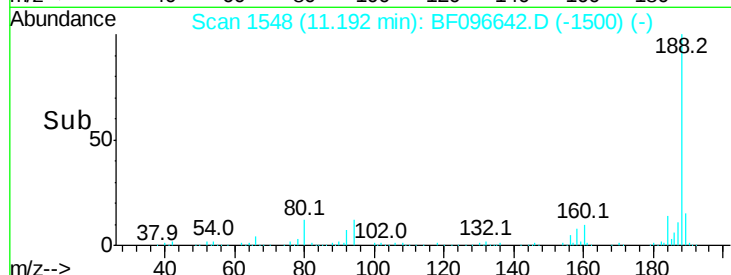
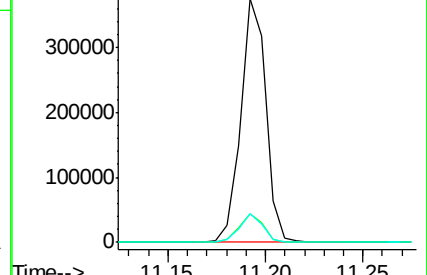
80 11.9 10.2 15.2



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: 3.221 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.26 min

Lab File: BF096642.D

Acq: 11 Jul 2017 14:12

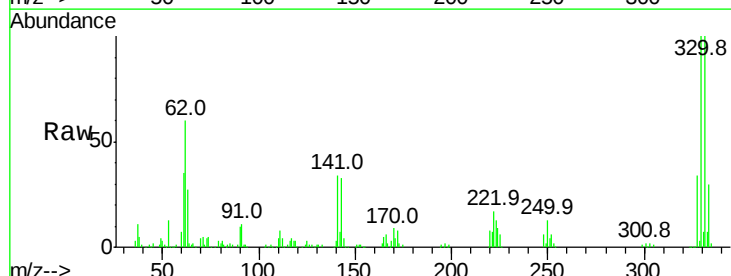
Tgt Ion:248 Resp: 10485

Ion Ratio Lower Upper

248 100

250 201.3 76.8 115.2#

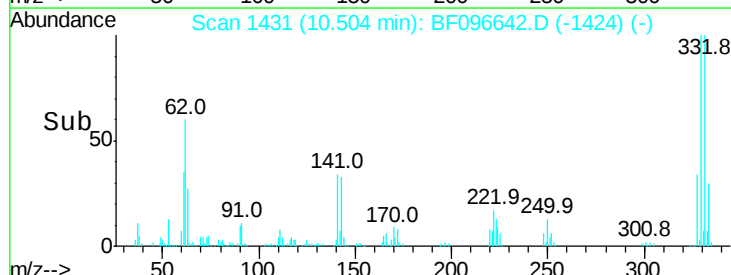
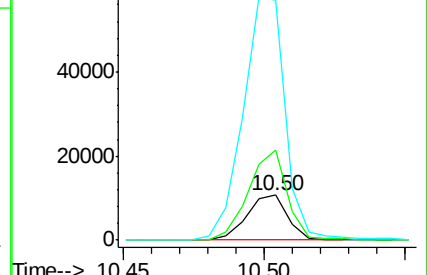
141 537.4 68.6 103.0#

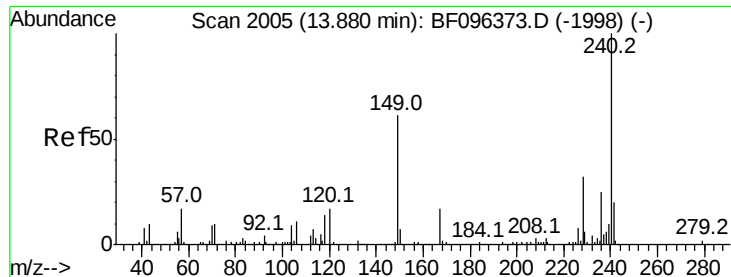


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF096642.D

Acq: 11 Jul 2017 14:12

Instrument :

BNA_F

ClientSampleId :

NAA-SAND

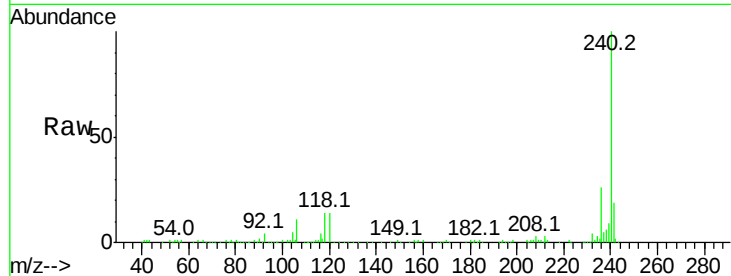
Tot Ion:240 Resp: 243163

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

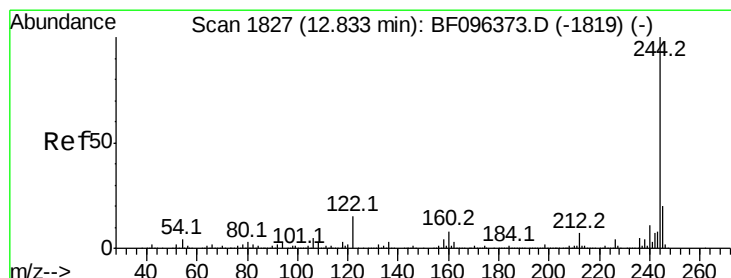
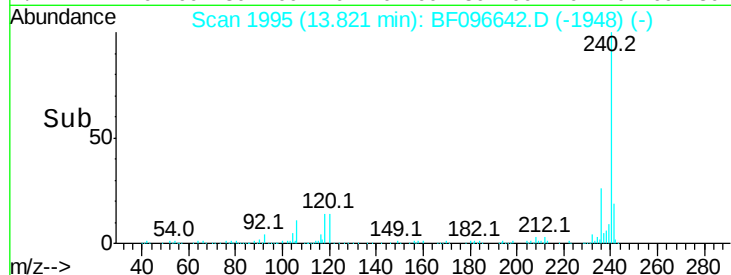
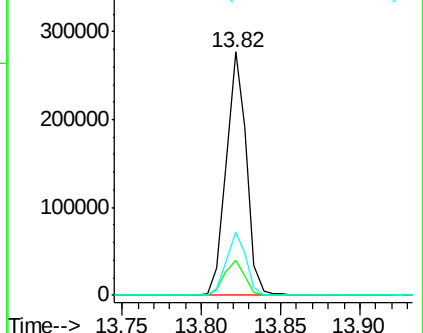
236 26.1 20.5 30.7



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: 60.274 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096642.D

Acq: 11 Jul 2017 14:12

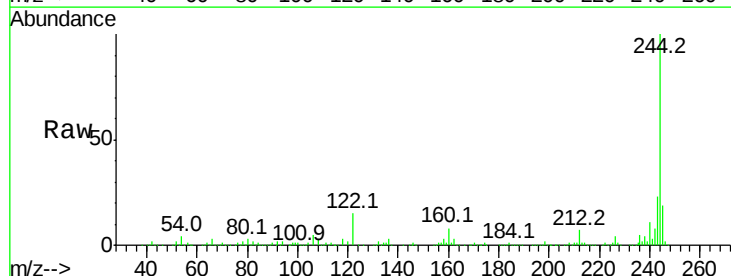
Tgt Ion:244 Resp: 685890

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

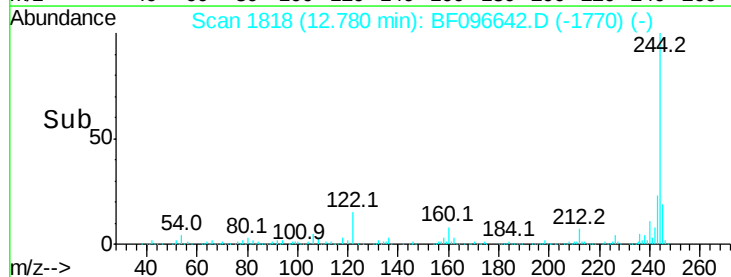
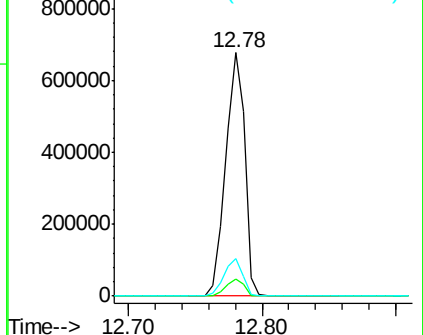
122 15.3 10.3 15.5

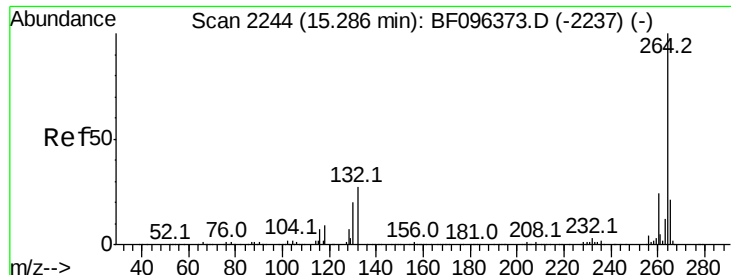


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

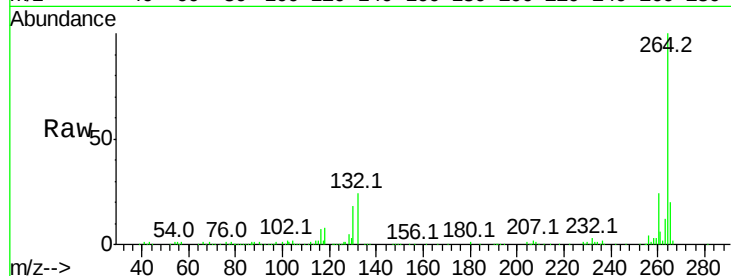




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.02 min
Lab File: BF096642.D
Acq: 11 Jul 2017 14:12

Instrument :
BNA_F
ClientSampleId :
NAA-SAND

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	20.2	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

