

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\
 Data File : BF096641.D
 Acq On : 11 Jul 2017 13:44
 Operator : SJ/JU
 Sample : I4113-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(11.0-11.5)

Quant Time: Jul 11 16:55:21 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

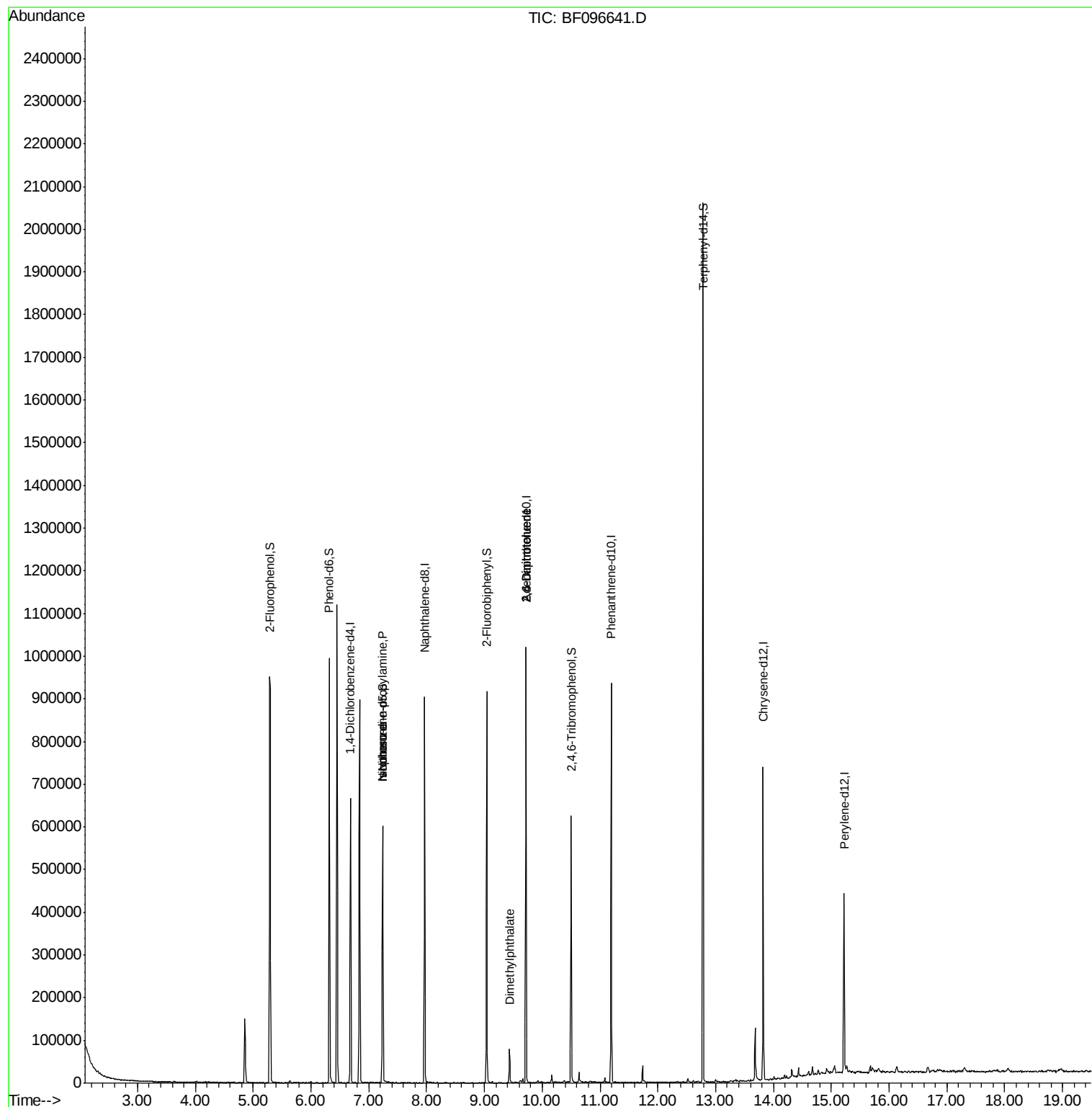
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	101599	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	430004	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	188967	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	328034	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	226899	20.00	ng	-0.02
86) Perylene-d12	15.22	264	178966	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	272143	39.54	ng	-0.02
7) Phenol-d6	6.32	99	290571	34.34	ng	-0.03
23) Nitrobenzene-d5	7.24	82	160742	22.46	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	63414	42.96	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	259983	23.52	ng	-0.02
78) Terphenyl-d14	12.78	244	641866	60.45	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.24	70	20948	4.155	ng	# 88
25) Isophorone	7.24	82	160740	11.585	ng	# 67
49) Dimethylphthalate	9.43	163	29008	2.056	ng	# 99
50) 2,6-Dinitrotoluene	9.72	165	24292	7.787	ng	# 34
56) 2,4-Dinitrotoluene	9.72	165	24292	6.149	ng	# 33

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

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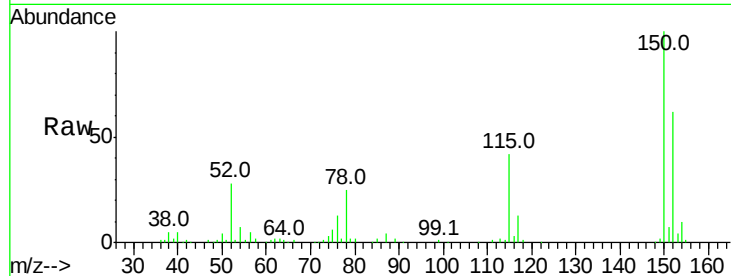


#1

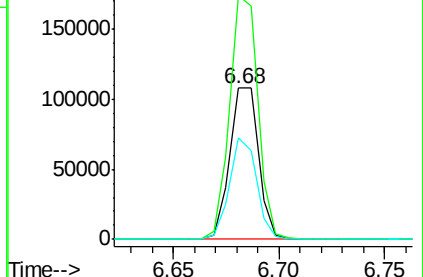
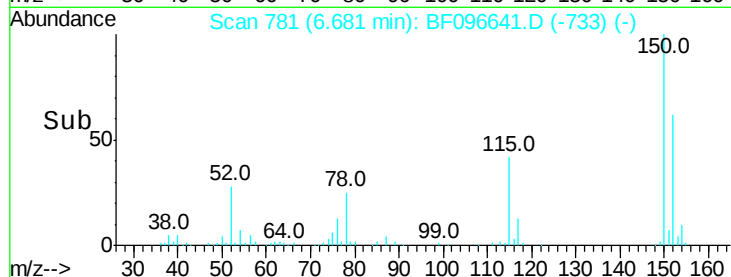
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.68 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF096641.D
 Acq: 11 Jul 2017 13:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(11.0-11.5)

Tot Ion:152 Resp: 101599
 Ion Ratio Lower Upper
 152 100
 150 160.9 126.2 189.2
 115 67.4 52.2 78.2



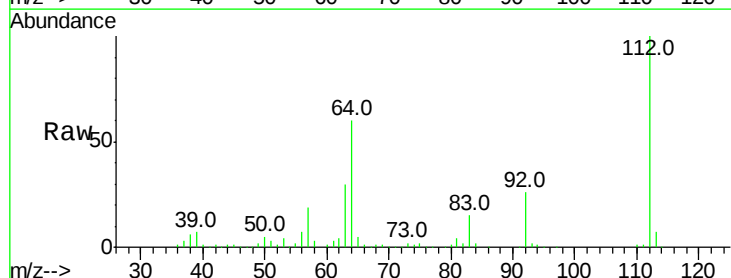
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



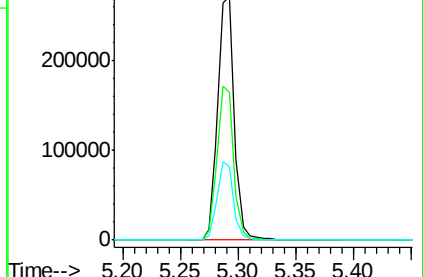
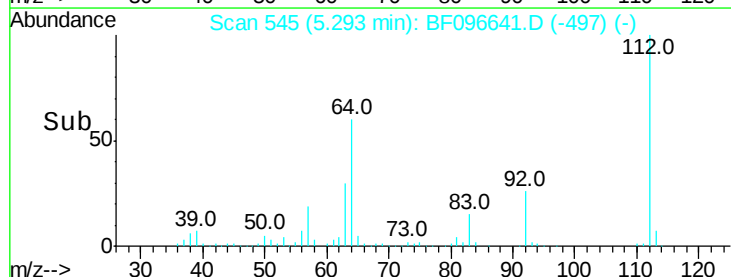
#5

2-Fluorophenol
 Concen: 39.535 ng
 RT: 5.29 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: BF096641.D
 Acq: 11 Jul 2017 13:44

Tgt Ion:112 Resp: 272143
 Ion Ratio Lower Upper
 112 100
 64 60.5 46.0 69.0
 63 30.1 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: 34.337 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.03 min

Lab File: BF096641.D

Acq: 11 Jul 2017 13:44

Instrument :

BNA_F

ClientSampleId :

SB-6(11.0-11.5)

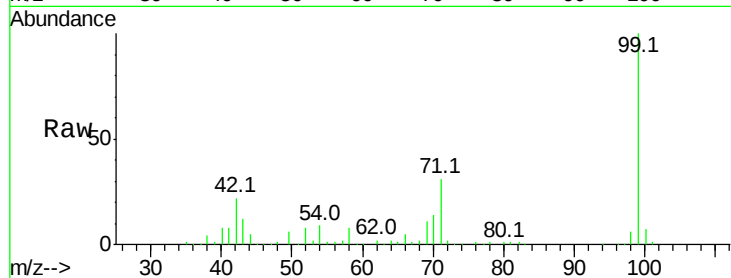
Tot Ion: 99 Resp: 290571

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

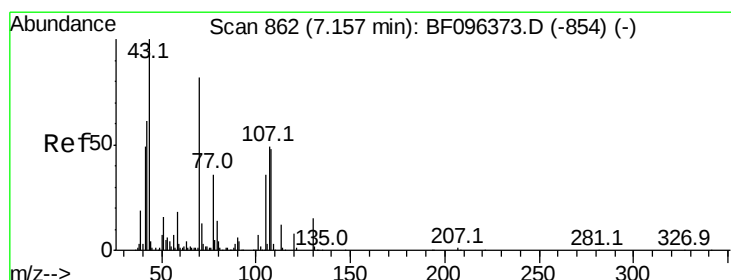
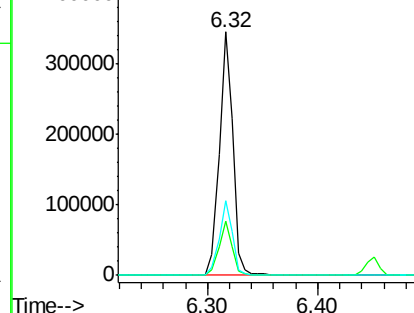
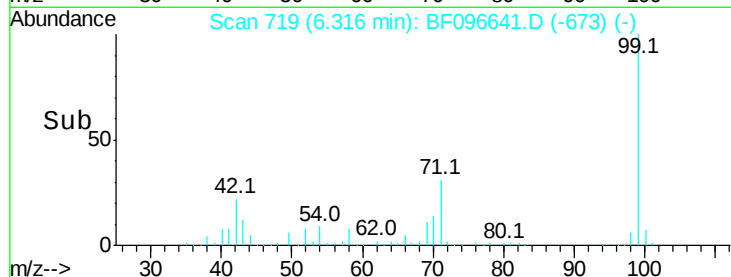
71 30.8 24.5 36.7



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: 4.155 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.11 min

Lab File: BF096641.D

Acq: 11 Jul 2017 13:44

Tgt Ion: 70 Resp: 20948

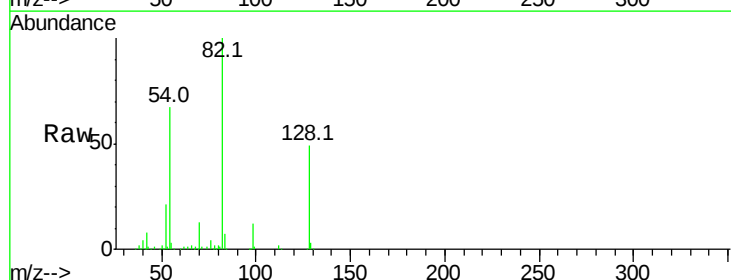
Ion Ratio Lower Upper

70 100

42 58.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

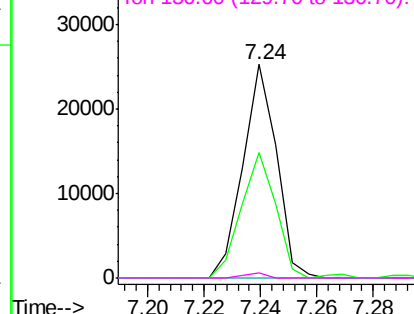
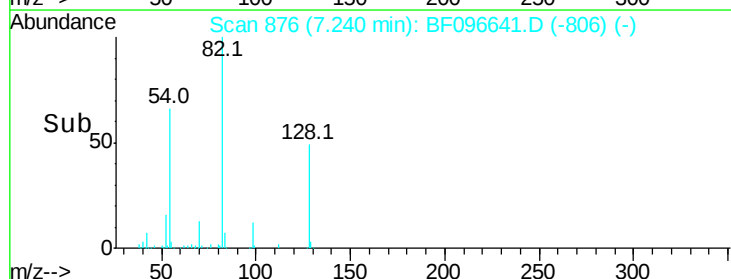


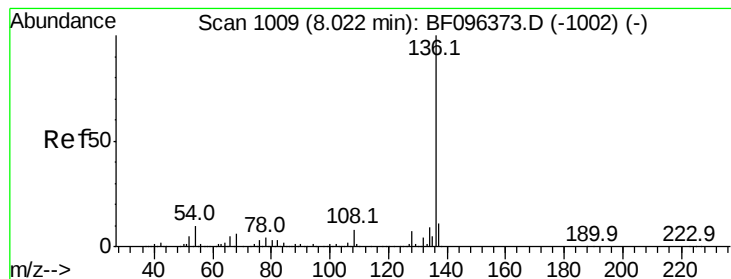
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF096641.D

Acq: 11 Jul 2017 13:44

Instrument :

BNA_F

ClientSampleId :

SB-6(11.0-11.5)

Tot Ion:136 Resp: 430004

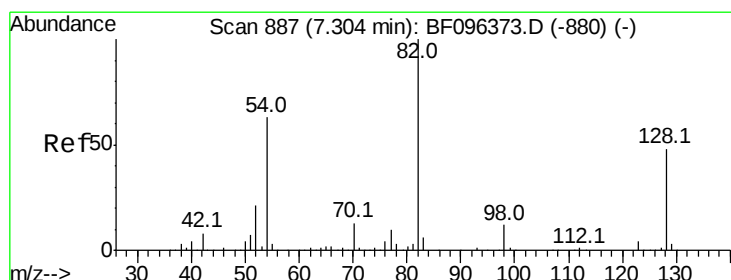
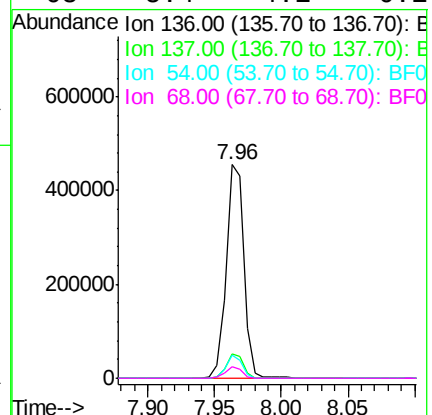
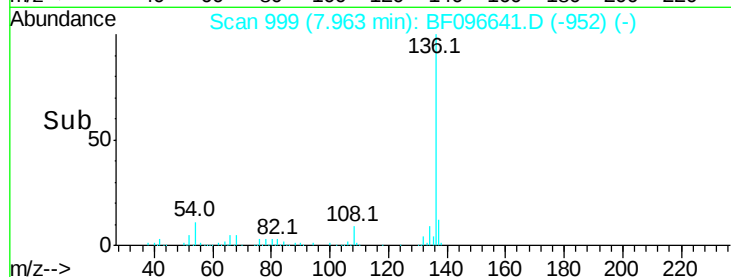
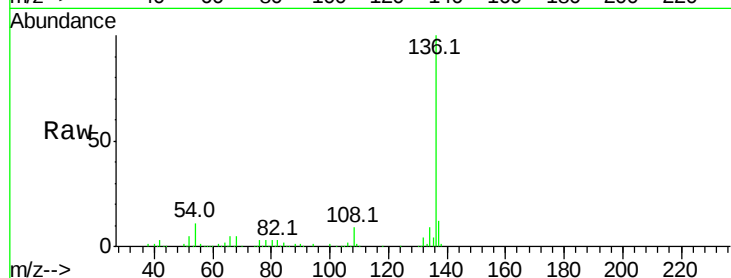
Ion Ratio Lower Upper

136 100

137 11.6 8.5 12.7

54 10.6 4.9 7.3#

68 5.4 4.1 6.1



#23

Nitrobenzene-d5

Concen: 22.463 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.03 min

Lab File: BF096641.D

Acq: 11 Jul 2017 13:44

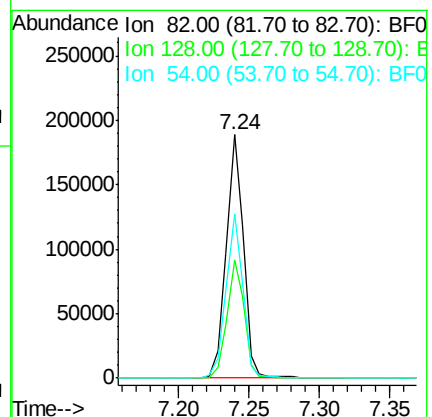
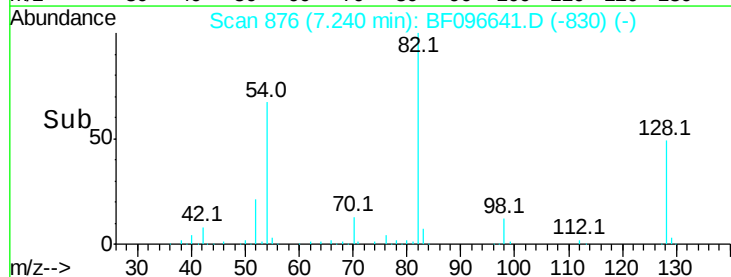
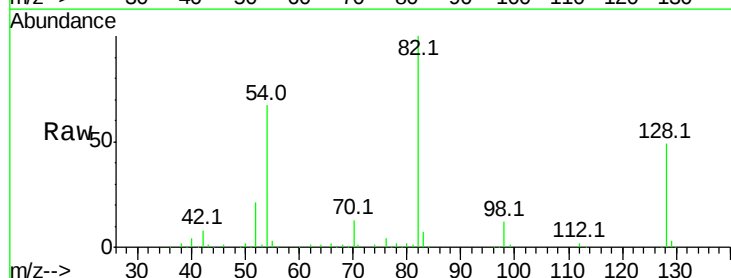
Tgt Ion: 82 Resp: 160742

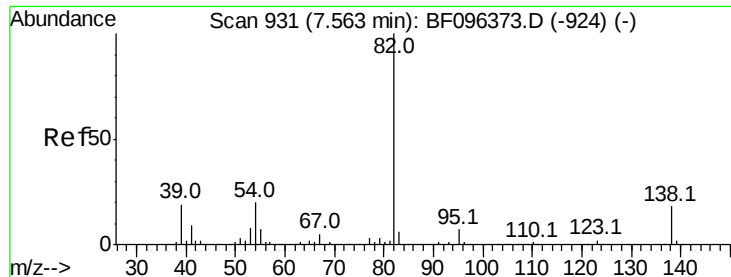
Ion Ratio Lower Upper

82 100

128 48.7 34.0 51.0

54 67.4 42.2 63.2#





#25

Isophorone

Concen: 11.585 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.29 min

Lab File: BF096641.D

Acq: 11 Jul 2017 13:44

Instrument :

BNA_F

ClientSampleId :

SB-6(11.0-11.5)

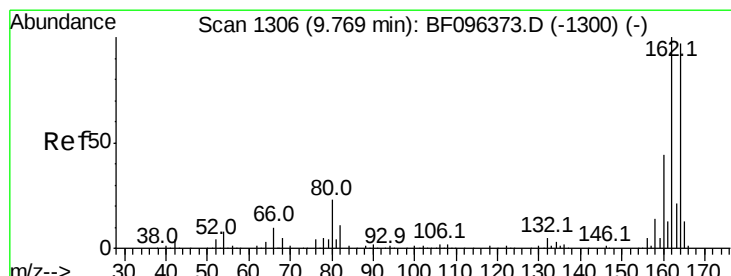
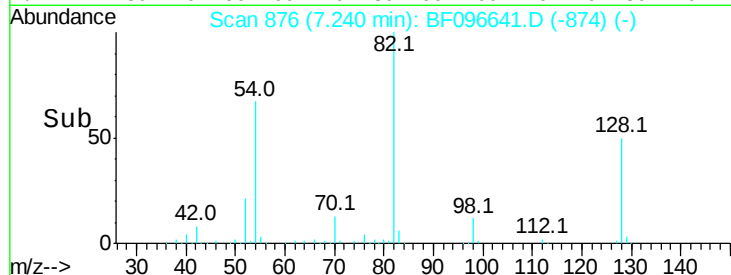
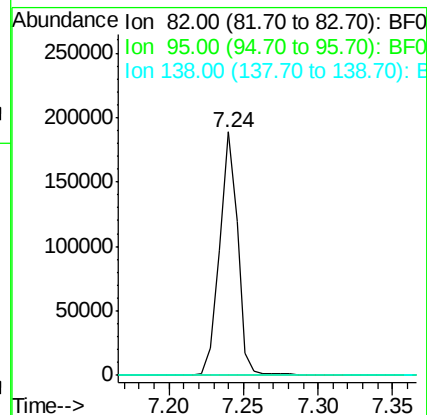
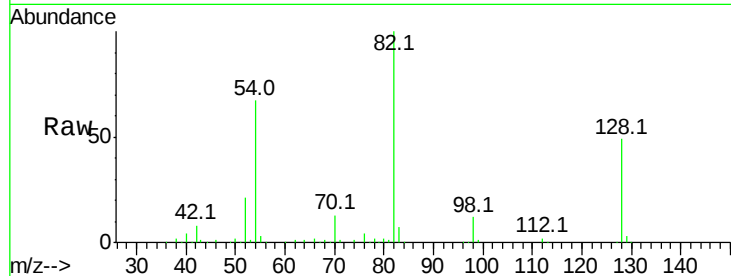
Tot Ion: 82 Resp: 160740

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: BF096641.D

Acq: 11 Jul 2017 13:44

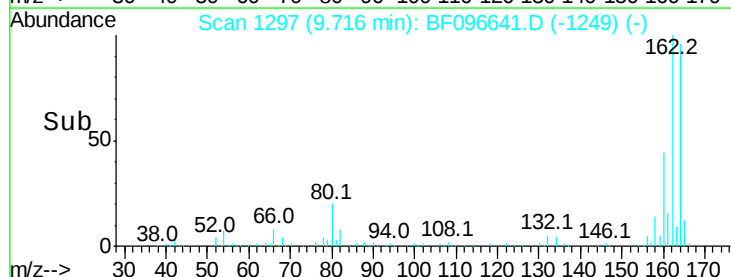
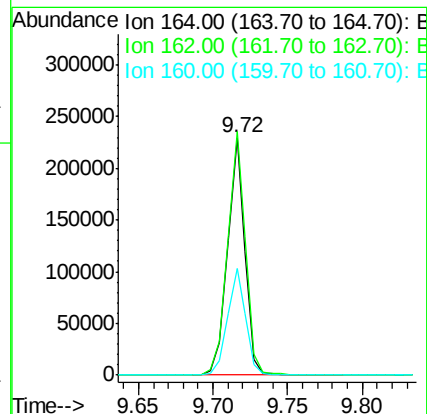
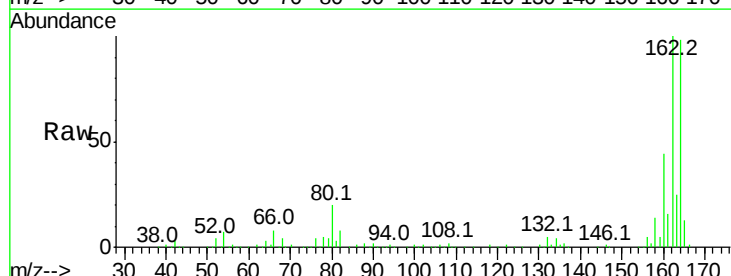
Tgt Ion:164 Resp: 188967

Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

160 45.0 36.2 54.2

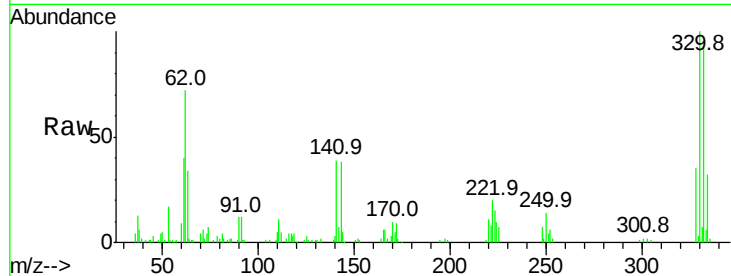




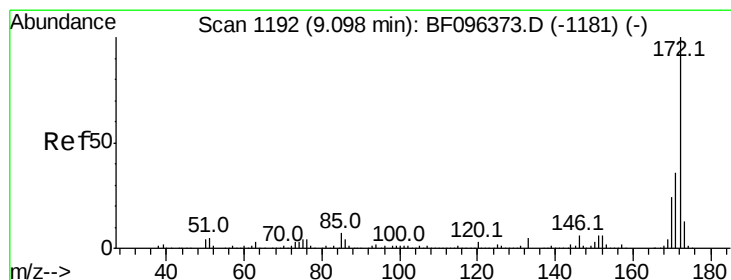
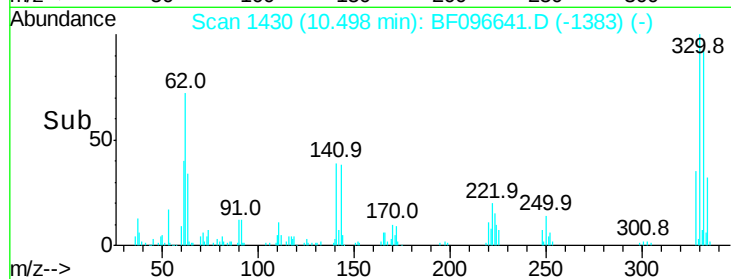
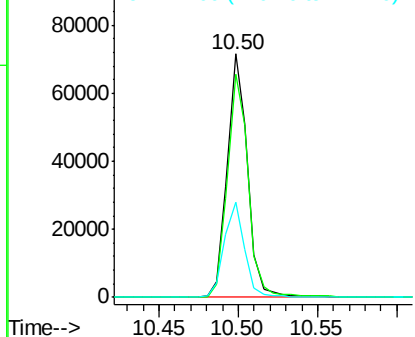
#41
 2,4,6-Tribromophenol
 Concen: 42.962 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF096641.D
 Acq: 11 Jul 2017 13:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(11.0-11.5)

Tot Ion:330 Resp: 63414
 Ion Ratio Lower Upper
 330 100
 332 94.4 76.6 115.0
 141 38.5 31.4 47.2

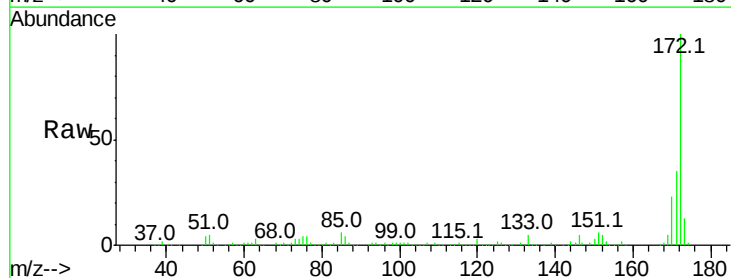


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

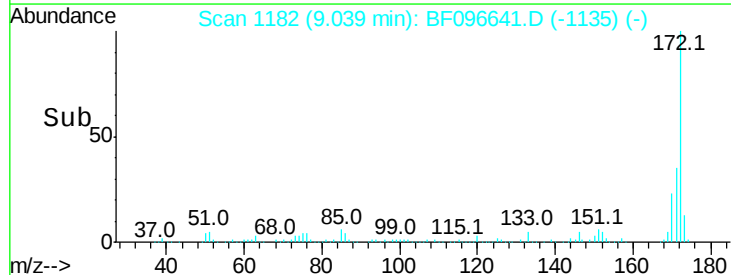
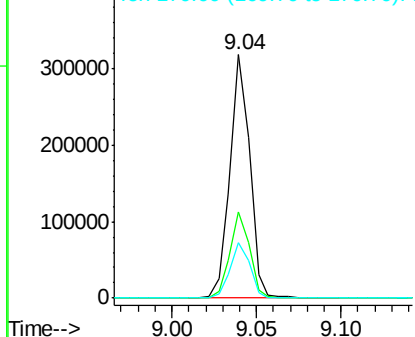


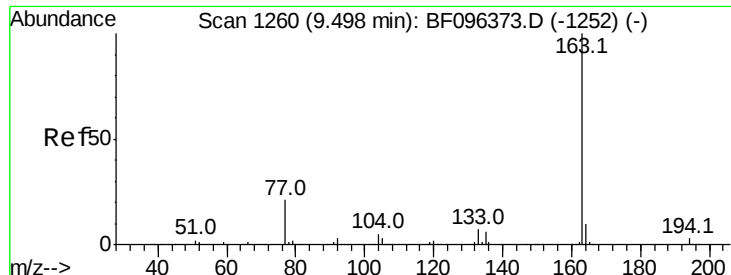
#44
 2-Fluorobiphenyl
 Concen: 23.523 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: BF096641.D
 Acq: 11 Jul 2017 13:44

Tgt Ion:172 Resp: 259983
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 22.7 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: 2.056 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.04 min

Lab File: BF096641.D

Acq: 11 Jul 2017 13:44

Instrument :

BNA_F

ClientSampleId :

SB-6(11.0-11.5)

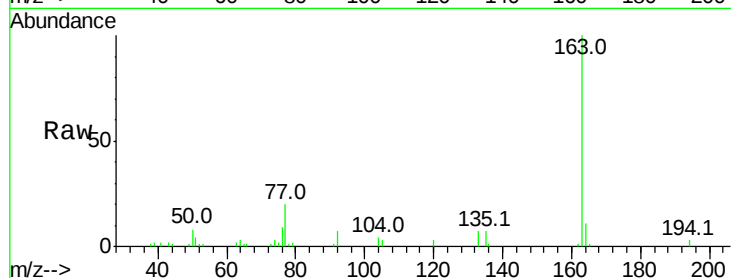
Tot Ion:163 Resp: 29008

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

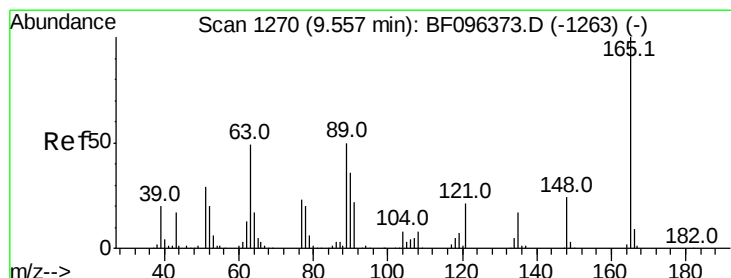
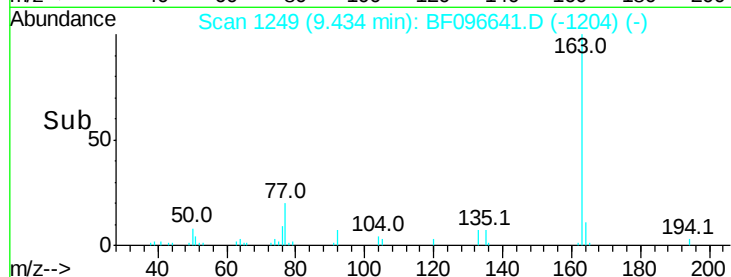
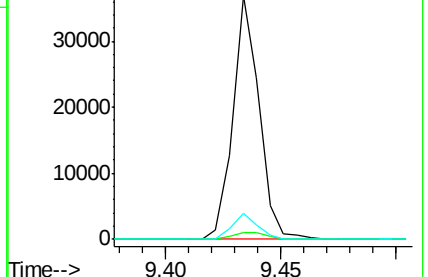
164 10.9 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 7.787 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.19 min

Lab File: BF096641.D

Acq: 11 Jul 2017 13:44

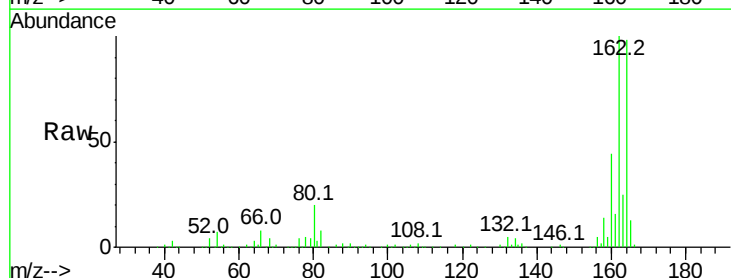
Tgt Ion:165 Resp: 24292

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

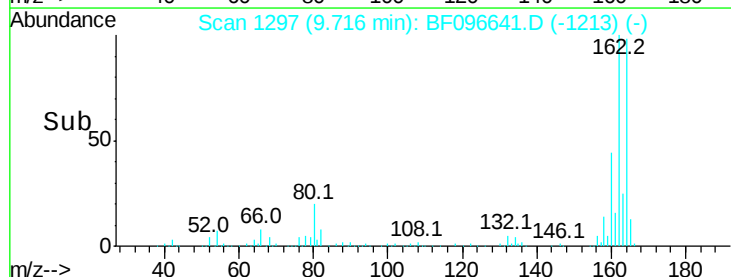
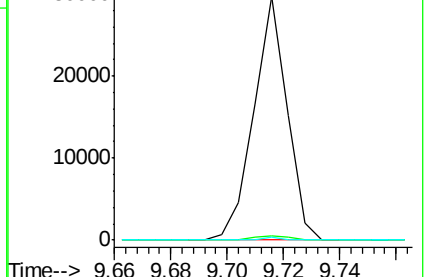
89 1.3 37.1 55.7#

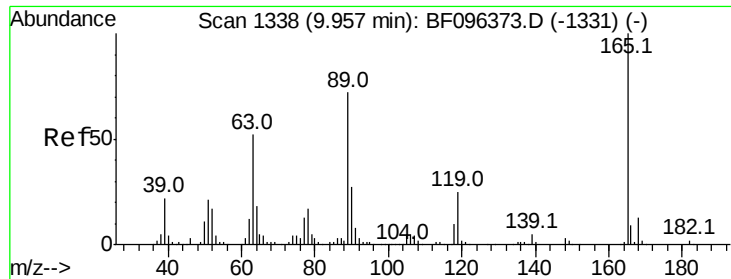


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

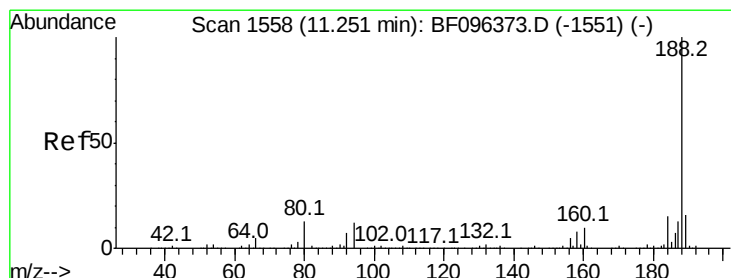
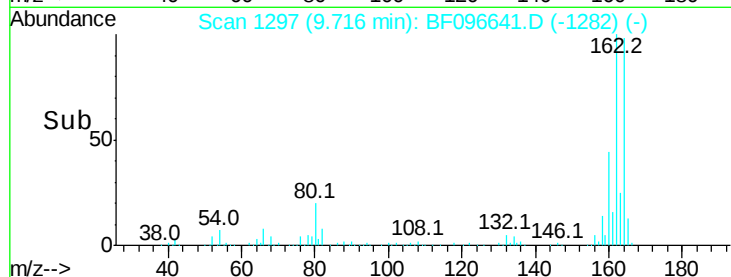
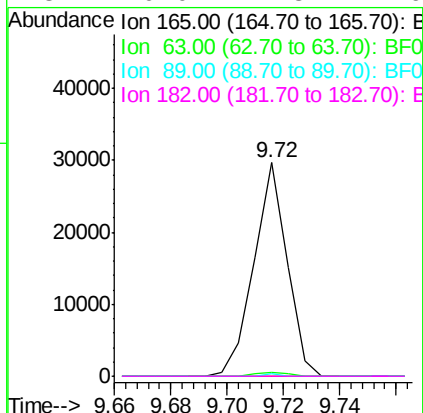
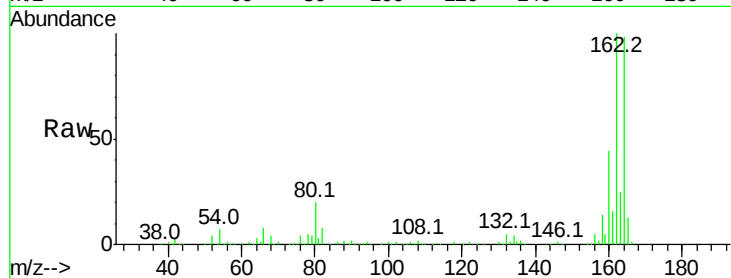




#56
 2,4-Dinitrotoluene
 Concen: 6.149 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF096641.D
 Acq: 11 Jul 2017 13:44

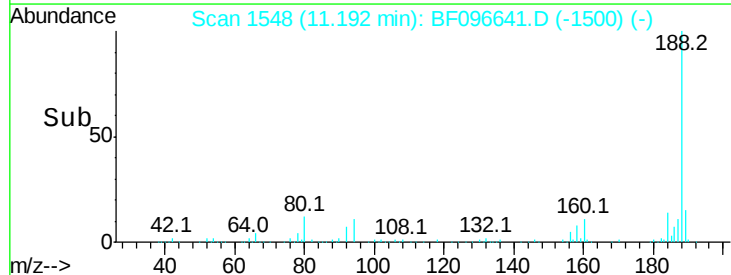
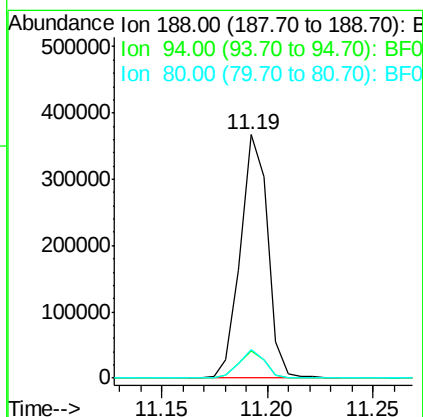
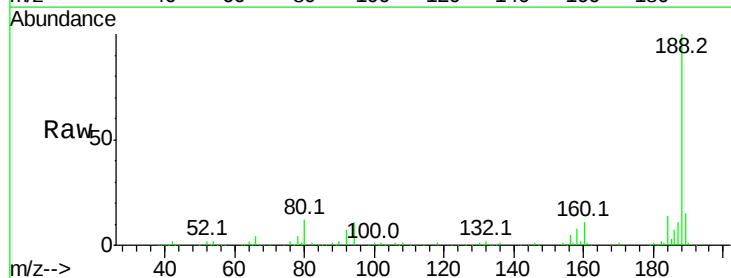
Instrument :
 BNA_F
 ClientSampleId :
 SB-6(11.0-11.5)

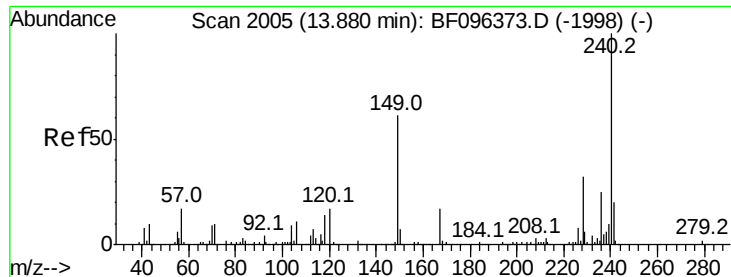
Tot Ion:165 Resp: 24292
 Ion Ratio Lower Upper
 165 100
 63 1.5 25.4 38.0#
 89 1.3 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF096641.D
 Acq: 11 Jul 2017 13:44

Tgt Ion:188 Resp: 328034
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 12.0 10.2 15.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF096641.D

Acq: 11 Jul 2017 13:44

Instrument :

BNA_F

ClientSampleId :

SB-6(11.0-11.5)

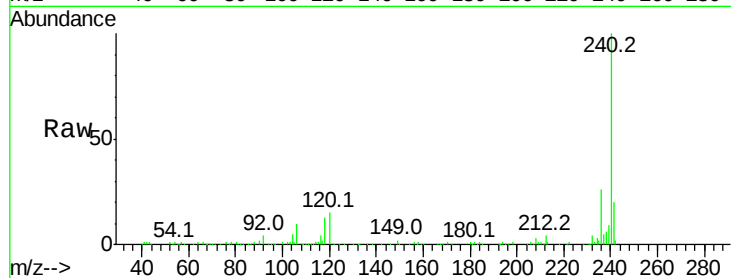
Tot Ion:240 Resp: 226899

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

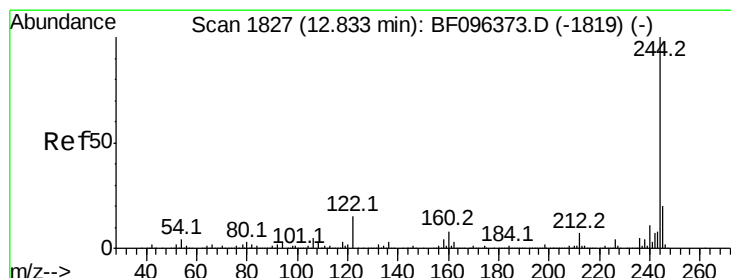
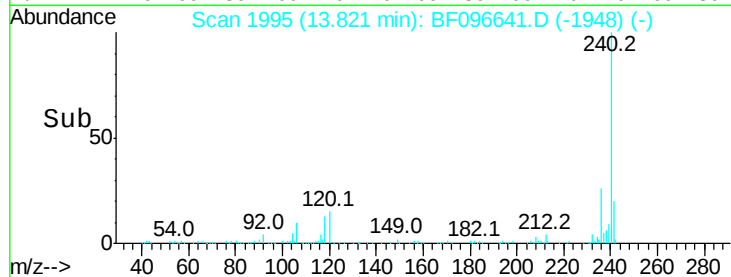
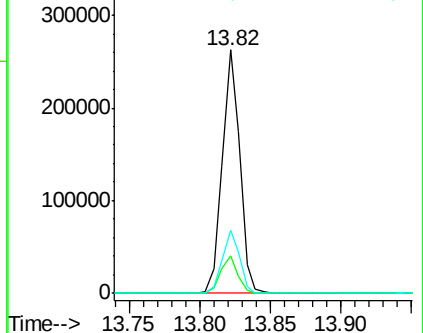
236 25.7 20.5 30.7



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: 60.448 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096641.D

Acq: 11 Jul 2017 13:44

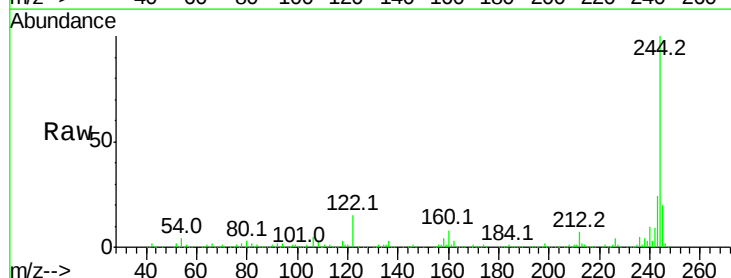
Tgt Ion:244 Resp: 641866

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

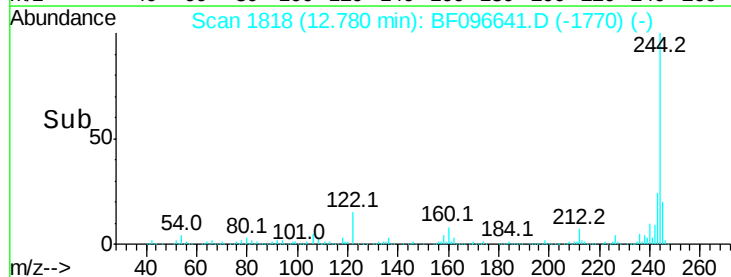
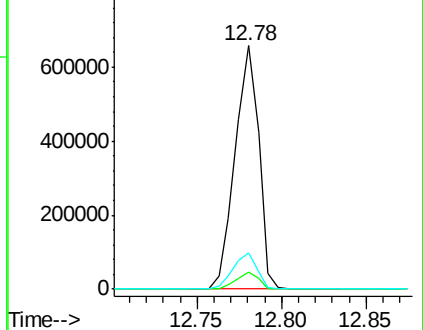
122 15.0 10.3 15.5

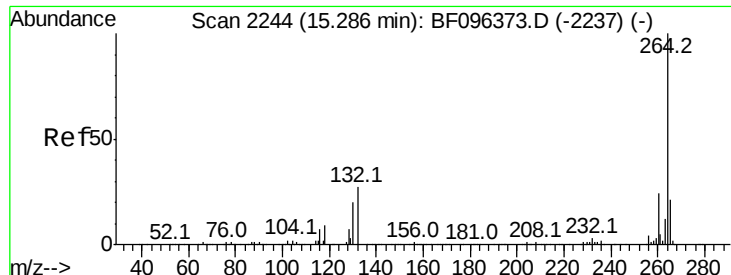


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

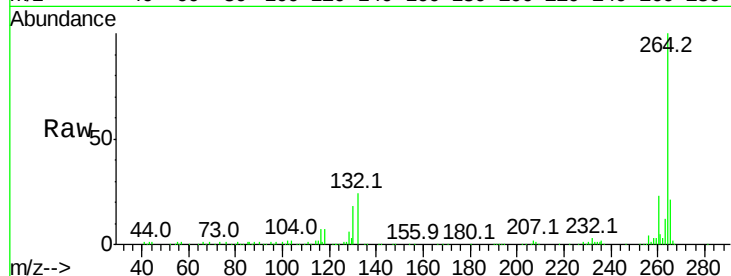




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.02 min
Lab File: BF096641.D
Acq: 11 Jul 2017 13:44

Instrument :
BNA_F
ClientSampleId :
SB-6(11.0-11.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	20.8	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

