

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098580.D
 Acq On : 15 Sep 2017 20:32
 Operator : SJ/JU
 Sample : I5229-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UT5400S18

Quant Time: Sep 16 01:50:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

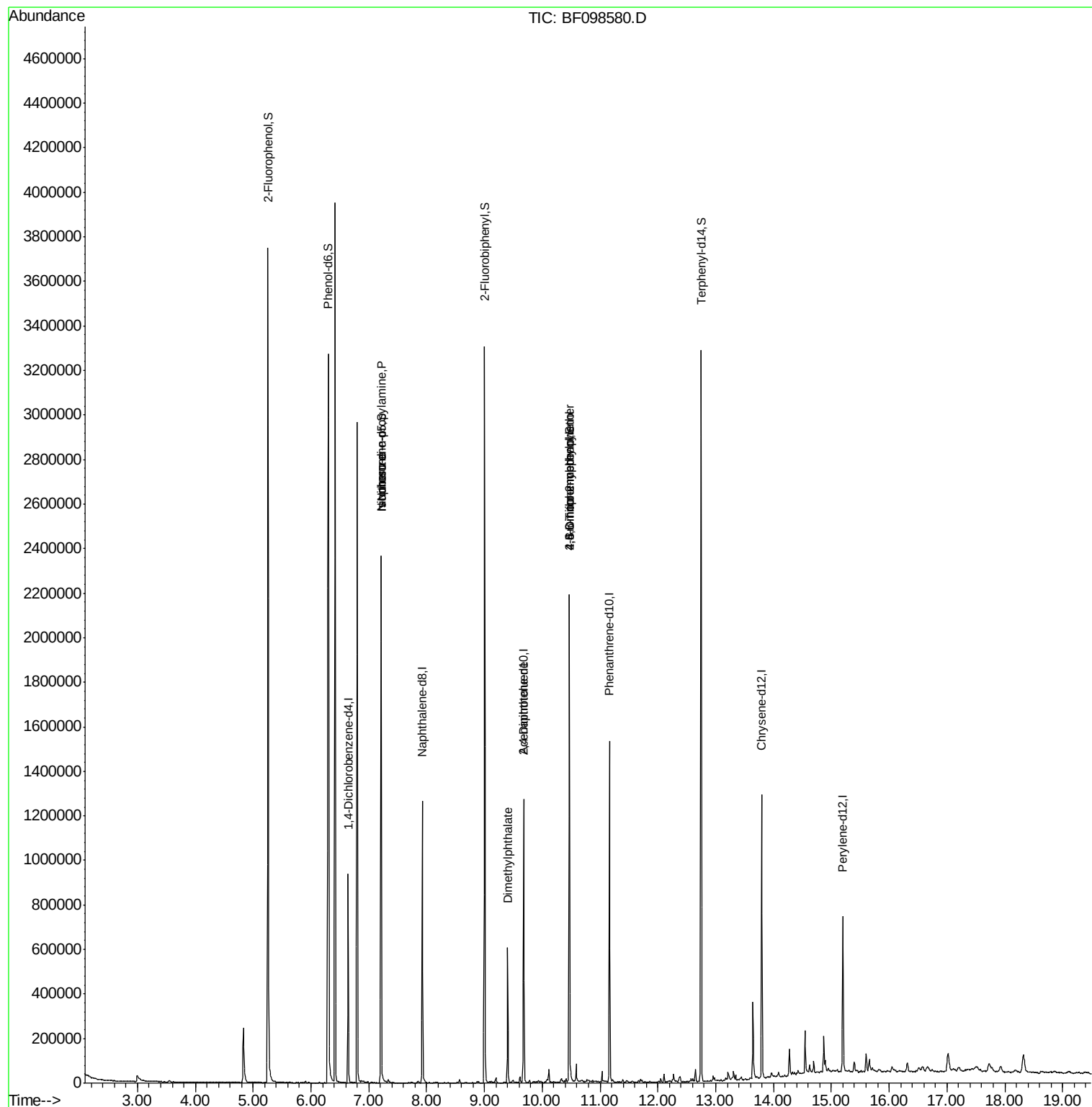
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	136691	20.00	ng	-0.03
21) Naphthalene-d8	7.93	136	552749	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	262384	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	507410	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	378618	20.00	ng	-0.02
86) Perylene-d12	15.20	264	281106	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1044644	112.99	ng	-0.02
7) Phenol-d6	6.30	99	1311047	111.69	ng	-0.02
23) Nitrobenzene-d5	7.22	82	794828	80.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	248989	142.18	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	988692	63.87	ng	-0.03
78) Terphenyl-d14	12.75	244	1019896	58.14	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.22	70	107860	14.608	ng	# 78
25) Isophorone	7.22	82	783634	39.064	ng	# 67
49) Dimethylphthalate	9.40	163	231630	11.404	ng	# 98
56) 2,4-Dinitrotoluene	9.68	165	33104	6.527	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.47	198	603	5.138	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	18171	3.773	ng	# 1

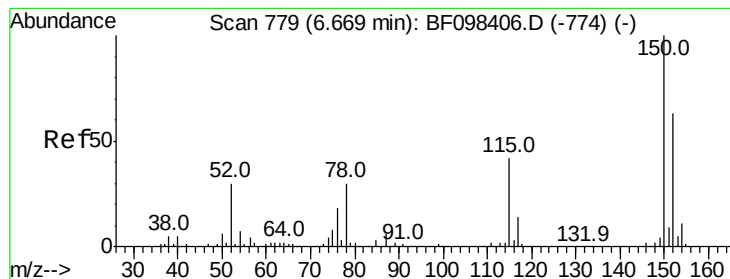
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.03 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

Instrument :

BNA_F

ClientSampleId :

UT5400S18

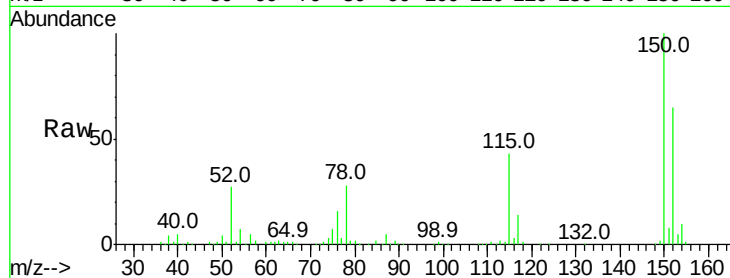
Tot Ion:152 Resp: 136691

Ion Ratio Lower Upper

152 100

150 153.7 126.2 189.2

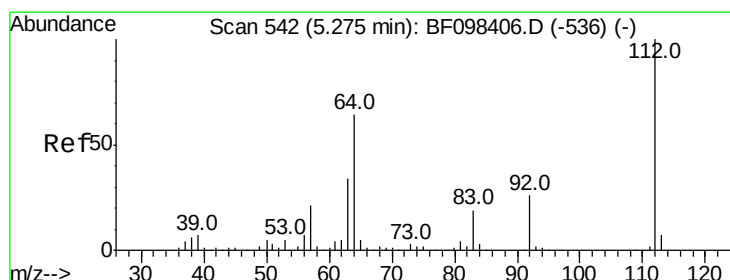
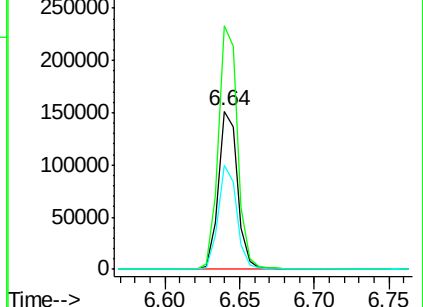
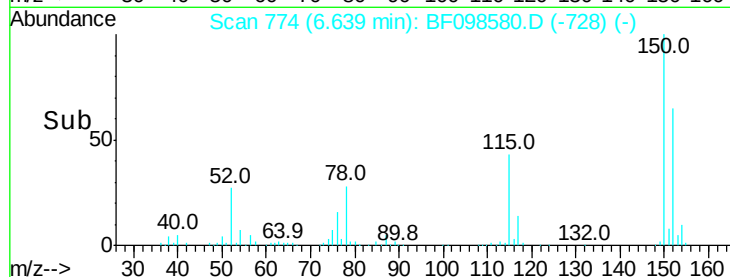
115 65.7 52.2 78.2



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: 112.994 ng

RT: 5.26 min Scan# 539

Delta R.T. -0.02 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

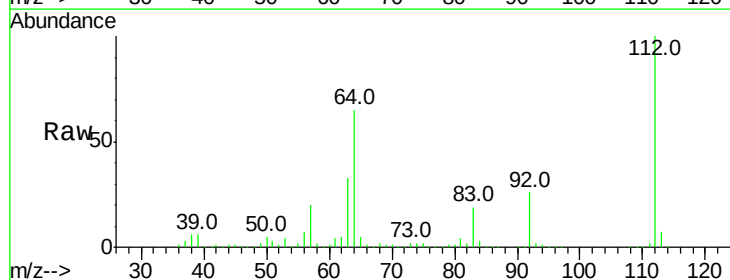
Tgt Ion:112 Resp: 1044644

Ion Ratio Lower Upper

112 100

64 64.6 46.0 69.0

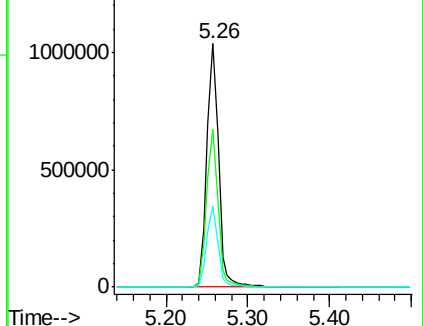
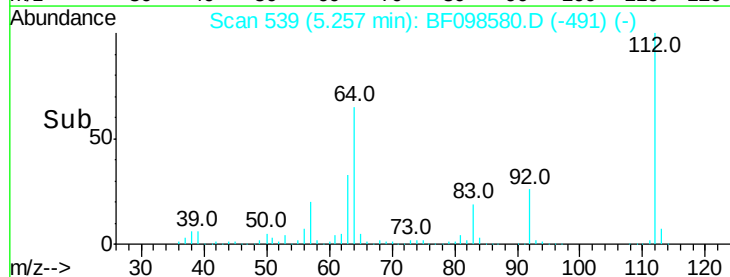
63 33.3 23.4 35.0

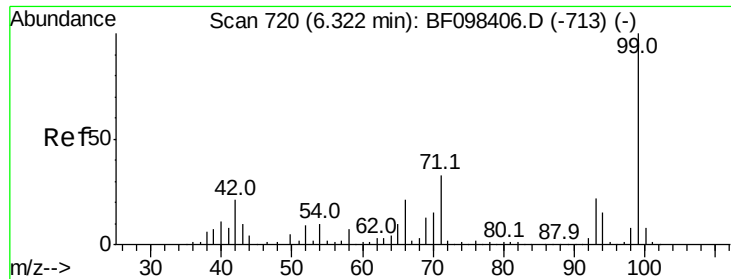


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.691 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

Instrument :

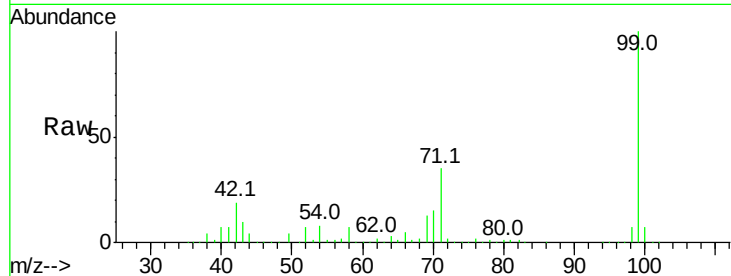
BNA_F

ClientSampleId :

UT5400S18

Tot Ion: 99 Resp: 1311047

Ion	Ratio	Lower	Upper
99	100		
42	18.7	13.5	20.3
71	35.4	24.5	36.7

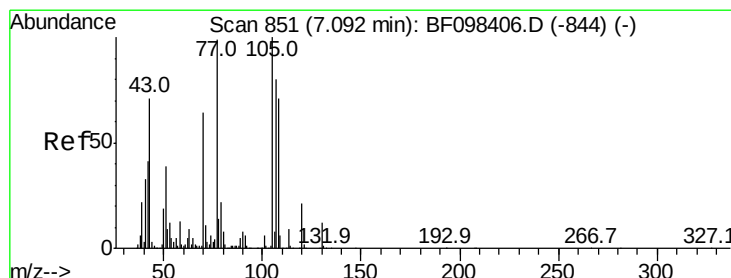
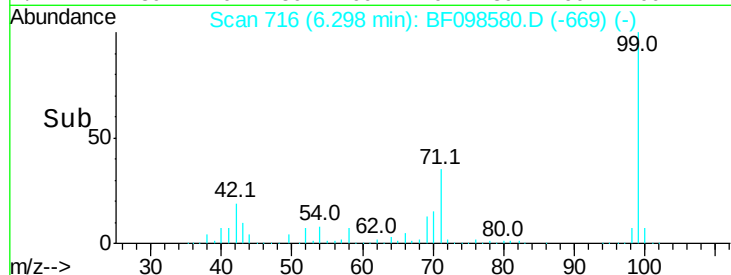
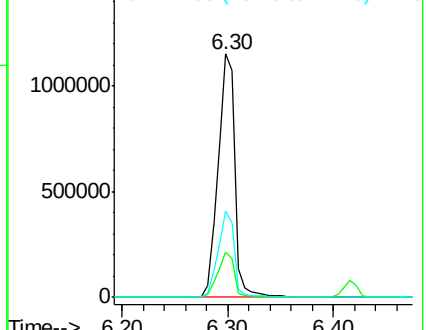


Abundance

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: 14.608 ng

RT: 7.22 min Scan# 872

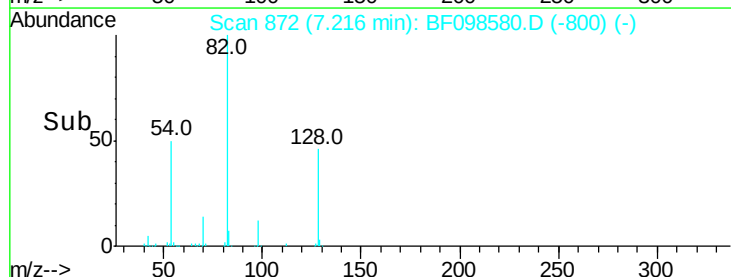
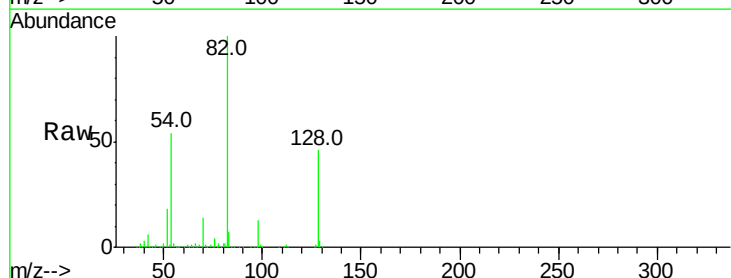
Delta R.T. 0.12 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

Tgt Ion: 70 Resp: 107860

Ion	Ratio	Lower	Upper
70	100		
42	46.7	47.2	70.8#
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#



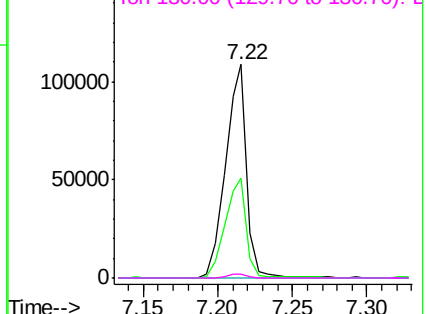
Abundance

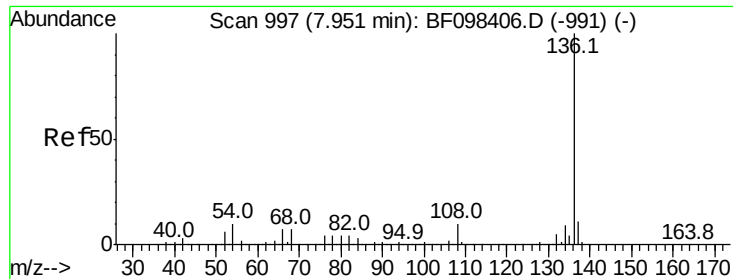
Ion 70.00 (69.70 to 70.70): BF0

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: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

Instrument :

BNA_F

ClientSampleId :

UT5400S18

Tot Ion:136 Resp: 552749

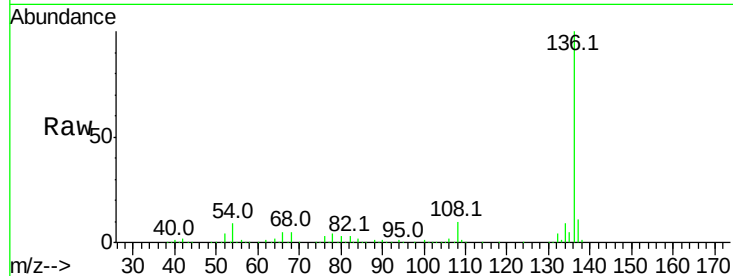
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 8.9 4.9 7.3#

68 5.4 4.1 6.1

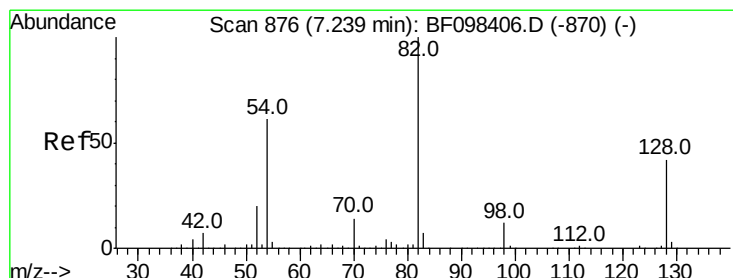
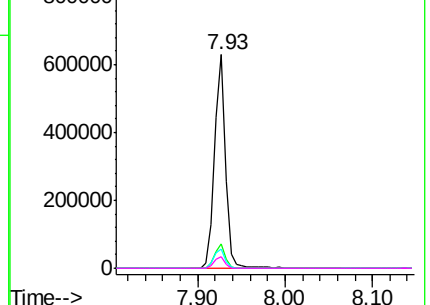
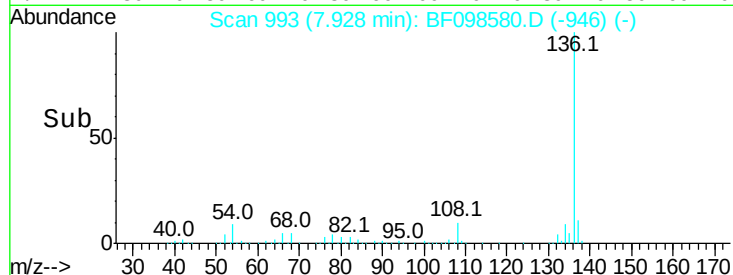


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.165 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

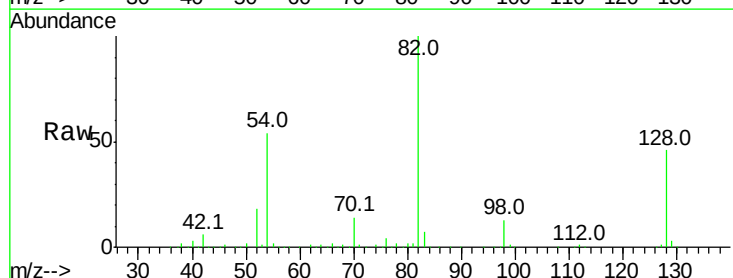
Tgt Ion: 82 Resp: 794828

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

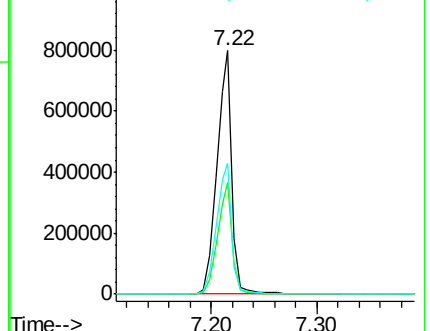
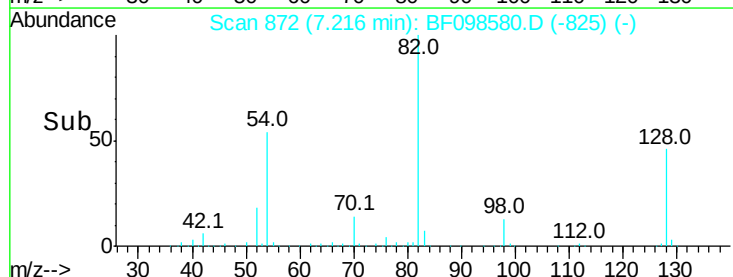
54 53.9 42.2 63.2

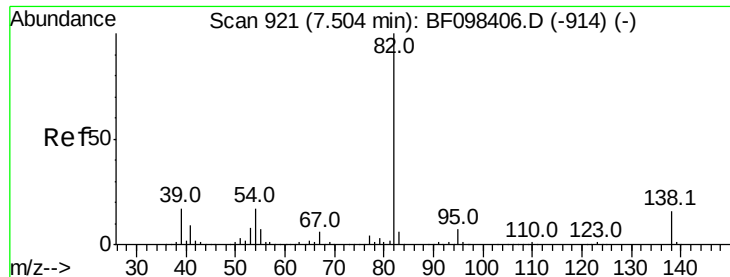


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 39.064 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.29 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

Instrument :

BNA_F

ClientSampleId :

UT5400S18

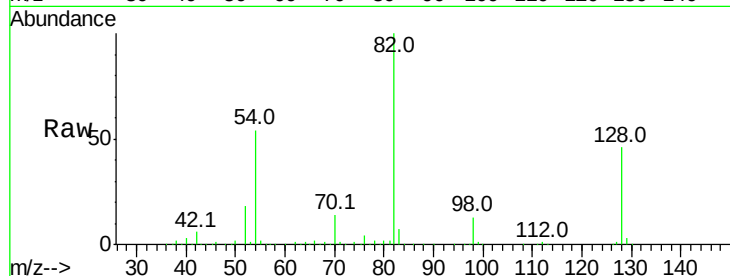
Tot Ion: 82 Resp: 783634

Ion Ratio Lower Upper

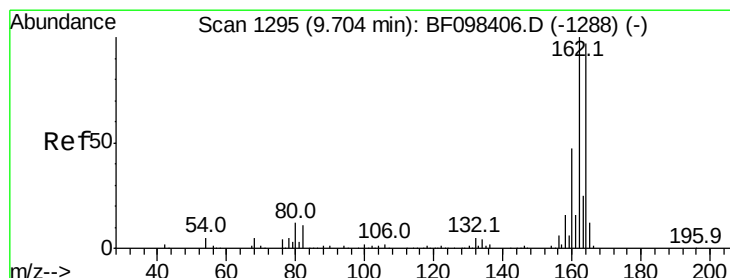
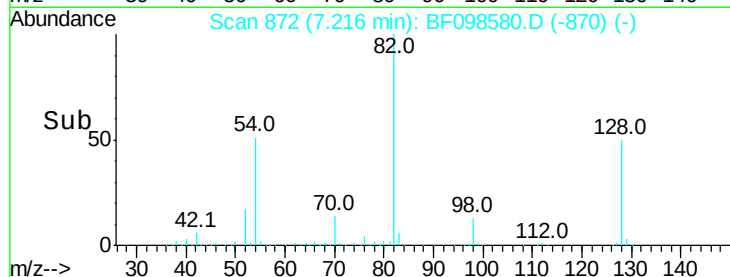
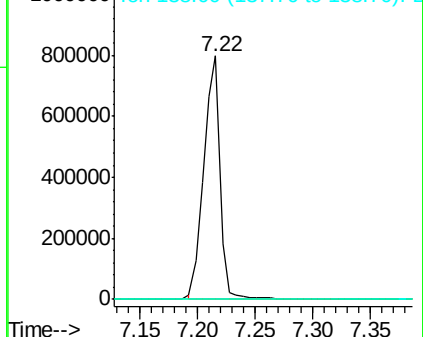
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

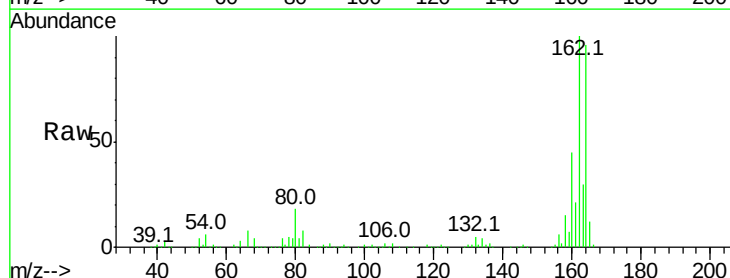
Tgt Ion:164 Resp: 262384

Ion Ratio Lower Upper

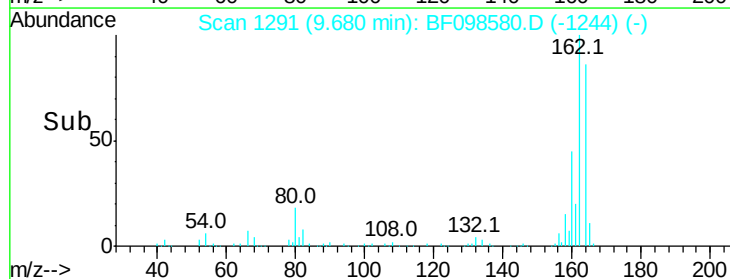
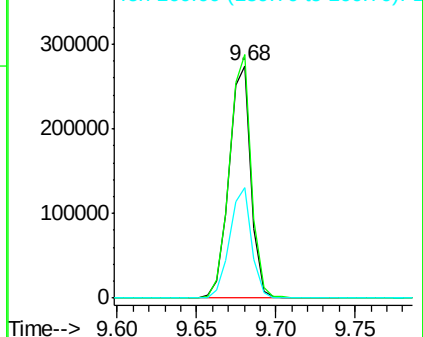
164 100

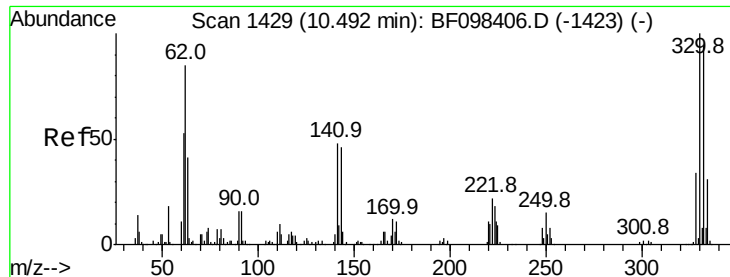
162 104.7 82.6 123.8

160 47.6 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: 142.182 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.02 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

Instrument :

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ClientSampleId :

UT5400S18

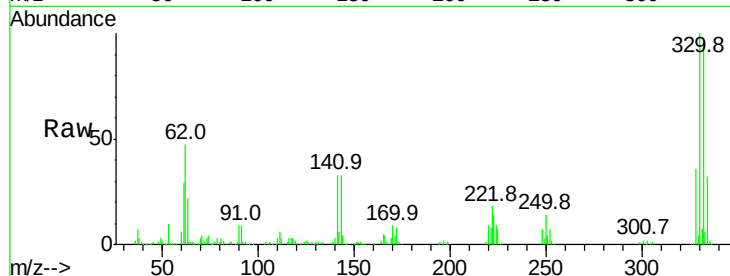
Tot Ion:330 Resp: 248989

Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

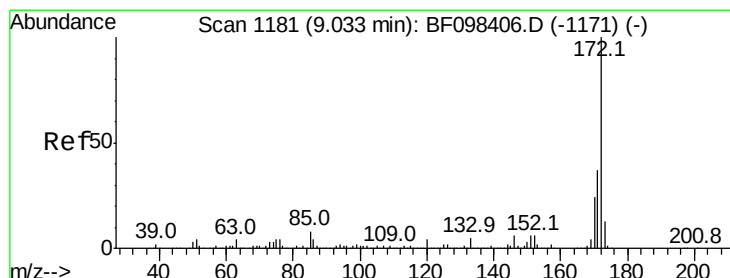
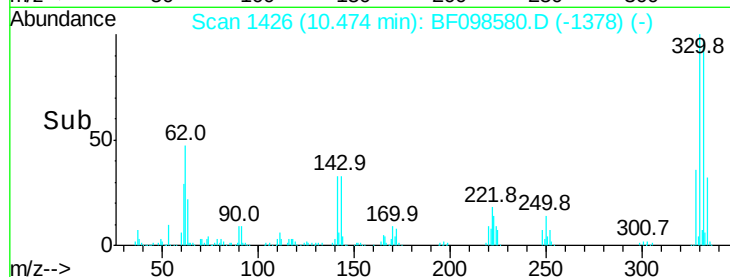
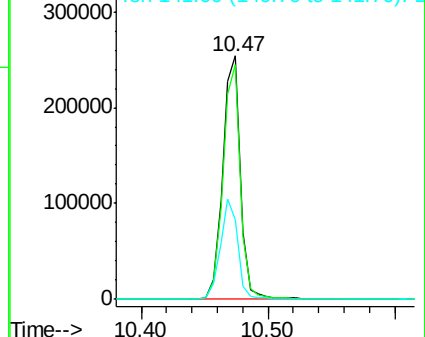
141 41.0 31.4 47.2



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: 63.866 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.03 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

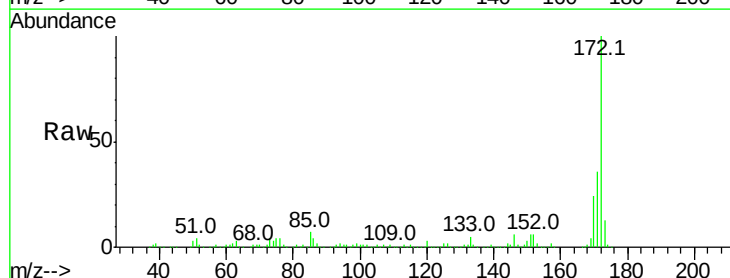
Tgt Ion:172 Resp: 988692

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

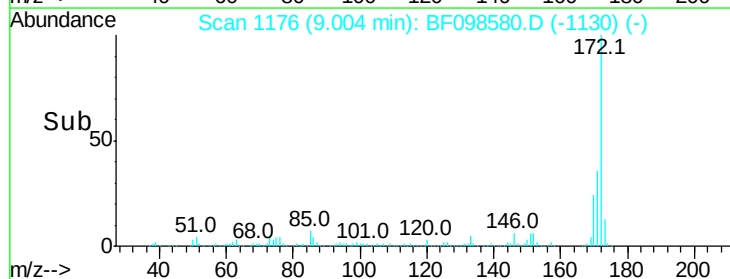
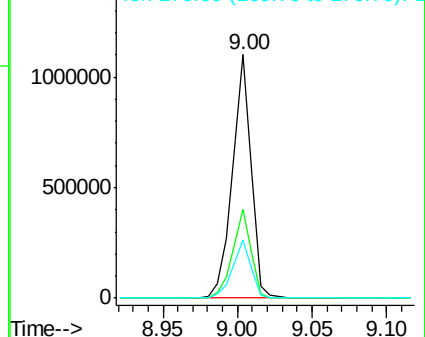
170 23.6 19.8 29.8

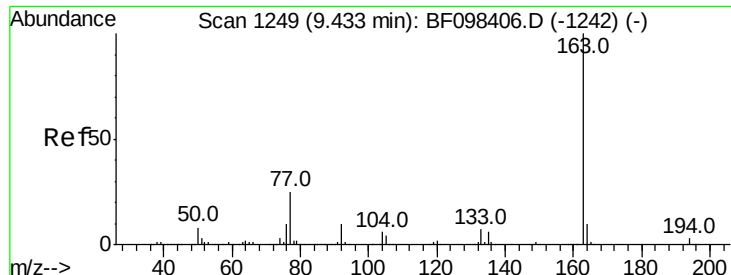


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.404 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

Instrument :

BNA_F

ClientSampleId :

UT5400S18

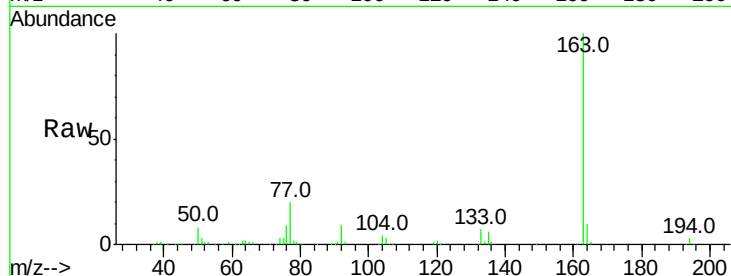
Tot Ion:163 Resp: 231630

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

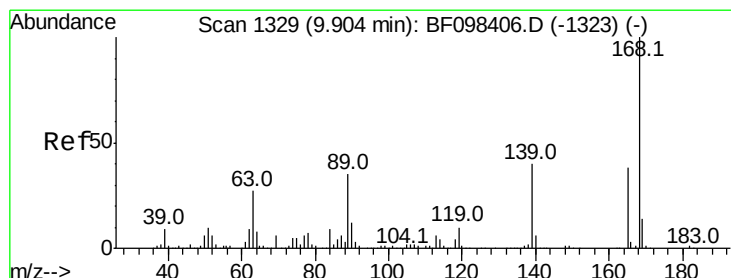
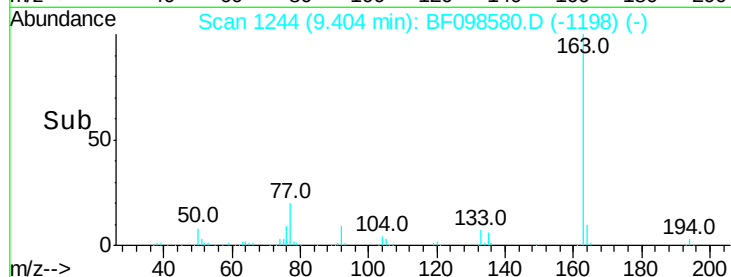
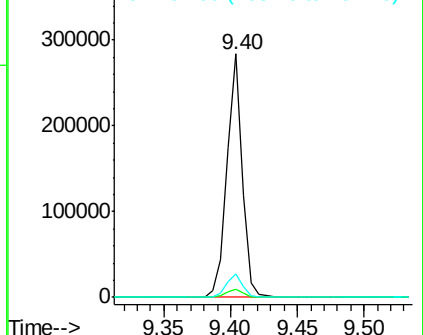
164 9.7 8.4 12.6



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: 6.527 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.22 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

Tgt Ion:165 Resp: 33104

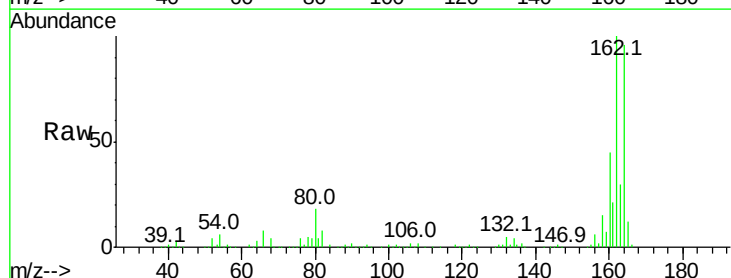
Ion Ratio Lower Upper

165 100

63 1.9 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

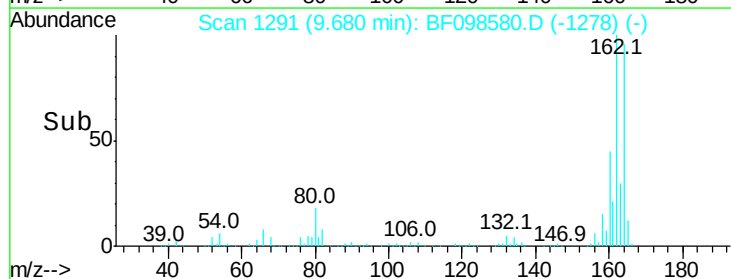
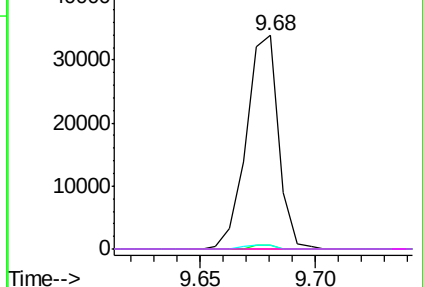


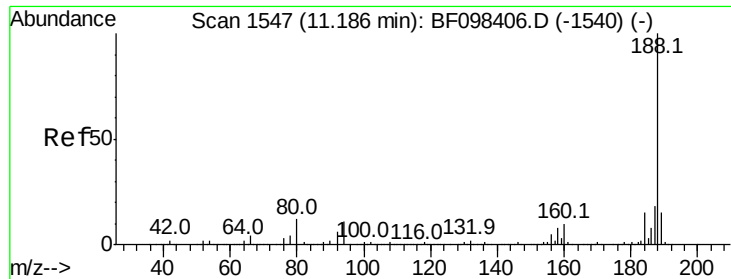
Abundance Ion 165.00 (164.70 to 165.70): E

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

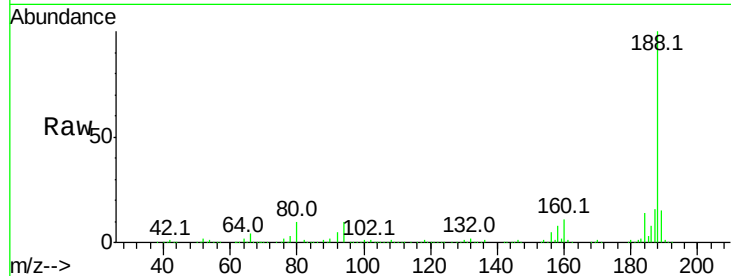




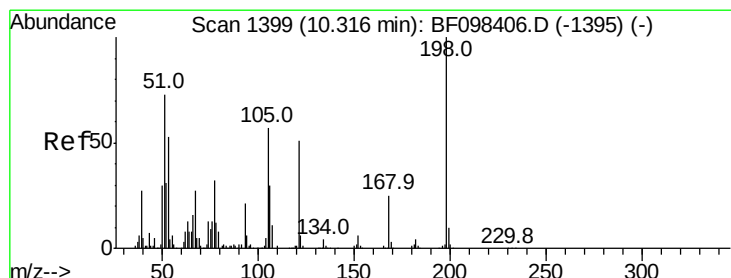
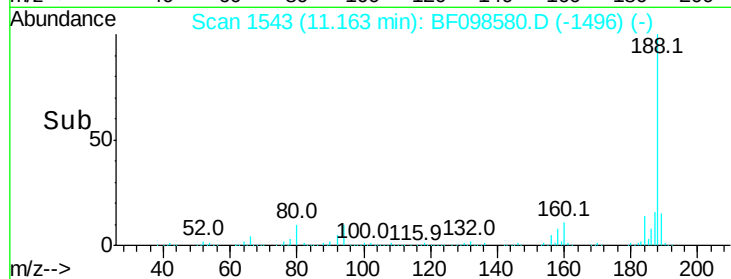
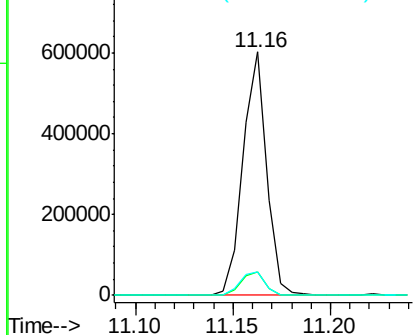
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BF098580.D
 Acq: 15 Sep 2017 20:32

Instrument :
 BNA_F
 ClientSampleId :
 UT5400S18

Tot Ion:188 Resp: 507410
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.4 14.2
 80 9.9 10.2 15.2#

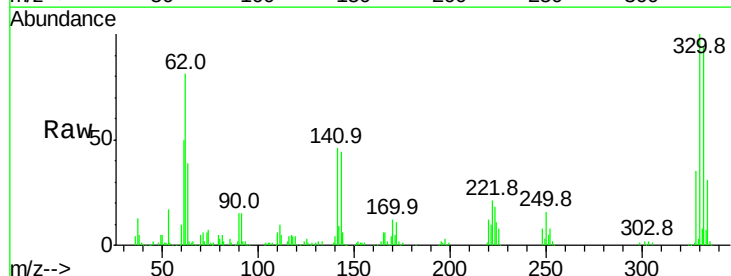


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

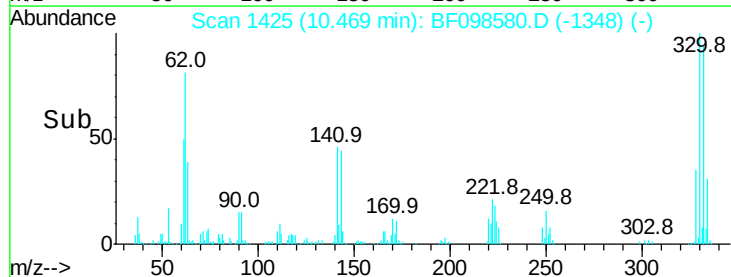
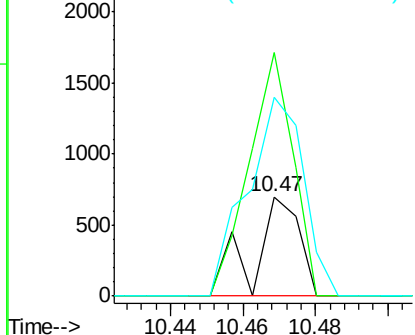


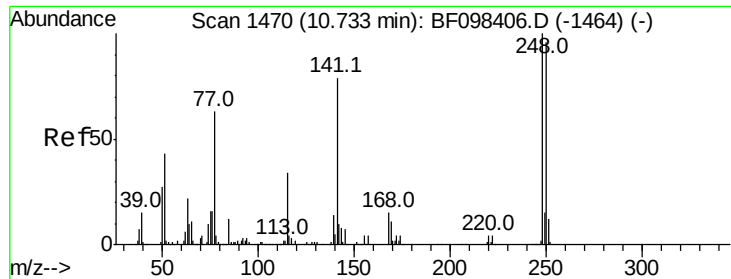
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.138 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.15 min
 Lab File: BF098580.D
 Acq: 15 Sep 2017 20:32

Tgt Ion:198 Resp: 603
 Ion Ratio Lower Upper
 198 100
 51 245.8 53.2 93.2#
 105 200.1 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

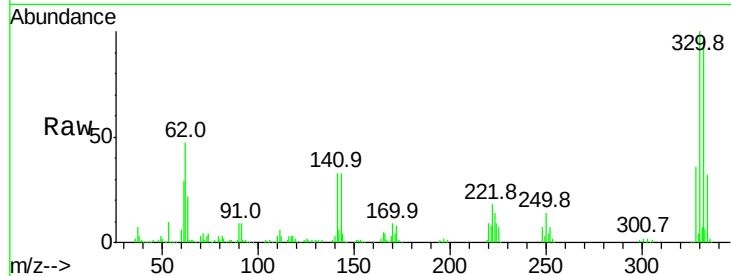




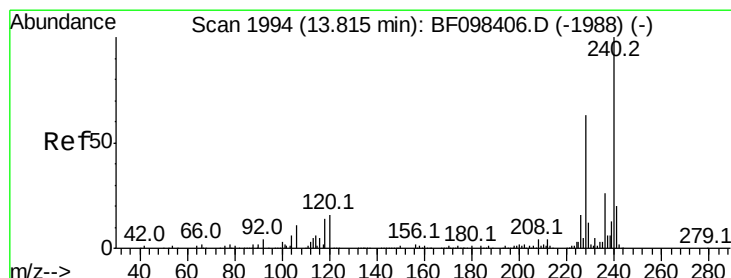
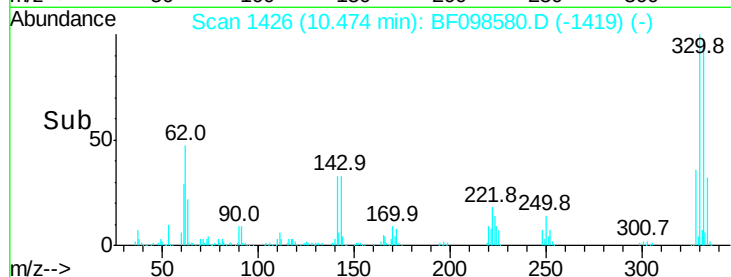
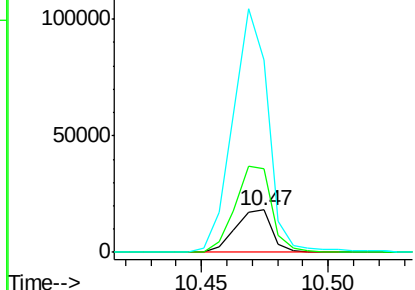
#66
 4-Bromophenyl-phenylether
 Concen: 3.773 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.26 min
 Lab File: BF098580.D
 Acq: 15 Sep 2017 20:32

Instrument :
 BNA_F
 ClientSampleId :
 UT5400S18

Tot Ion:248 Resp: 18171
 Ion Ratio Lower Upper
 248 100
 250 197.7 76.8 115.2#
 141 457.6 68.6 103.0#

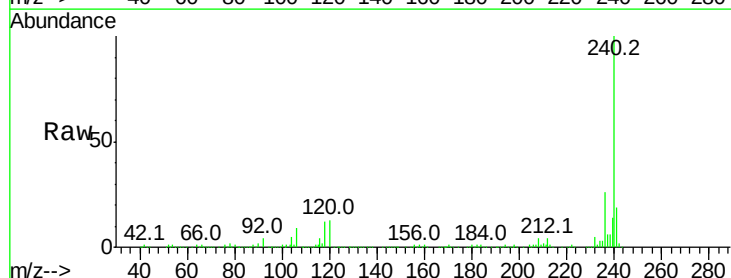


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

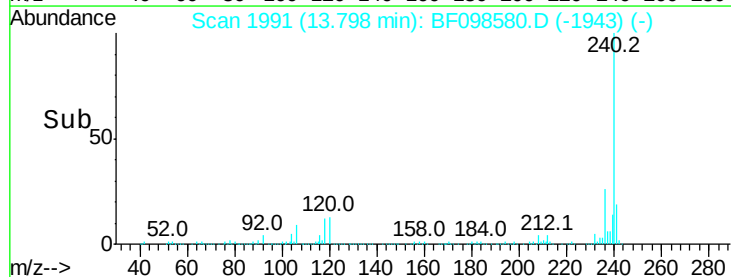
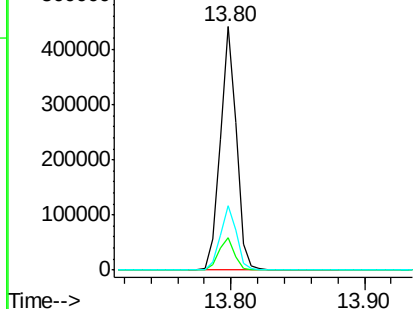


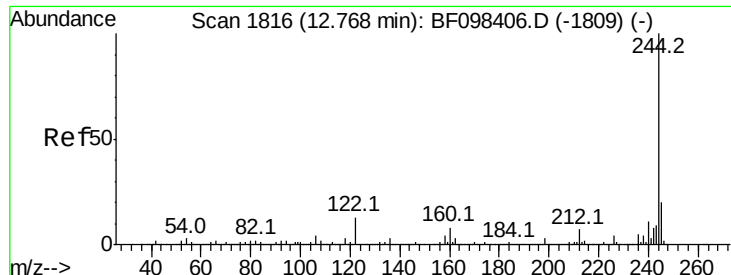
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.02 min
 Lab File: BF098580.D
 Acq: 15 Sep 2017 20:32

Tgt Ion:240 Resp: 378618
 Ion Ratio Lower Upper
 240 100
 120 13.3 5.8 8.8#
 236 26.3 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: 58.143 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

Instrument :

BNA_F

ClientSampleId :

UT5400S18

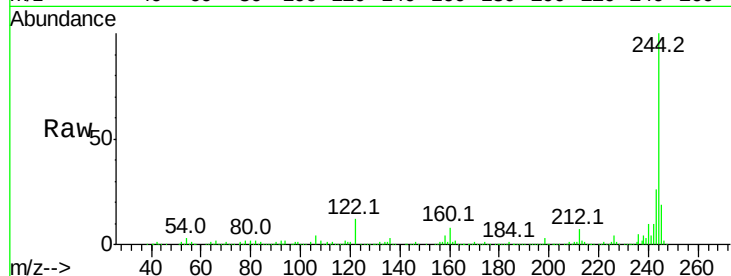
Tot Ion:244 Resp: 1019896

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

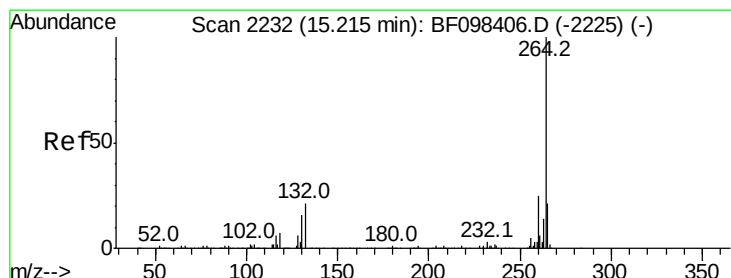
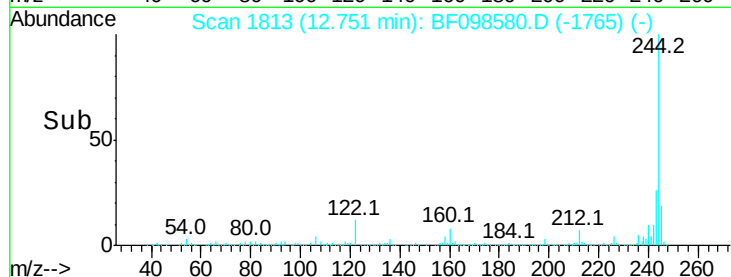
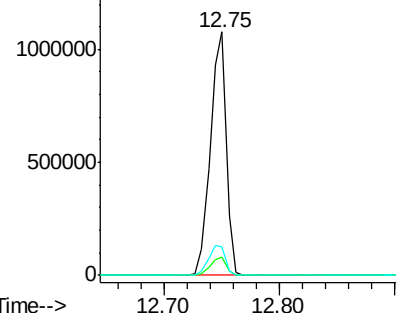
122 11.6 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BF098580.D

Acq: 15 Sep 2017 20:32

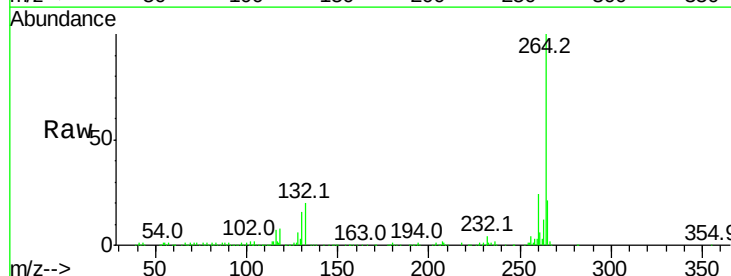
Tgt Ion:264 Resp: 281106

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.4 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

