

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098816.D
 Acq On : 26 Sep 2017 7:35
 Operator : SJ/JU
 Sample : I5384-01
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 08:47:05 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

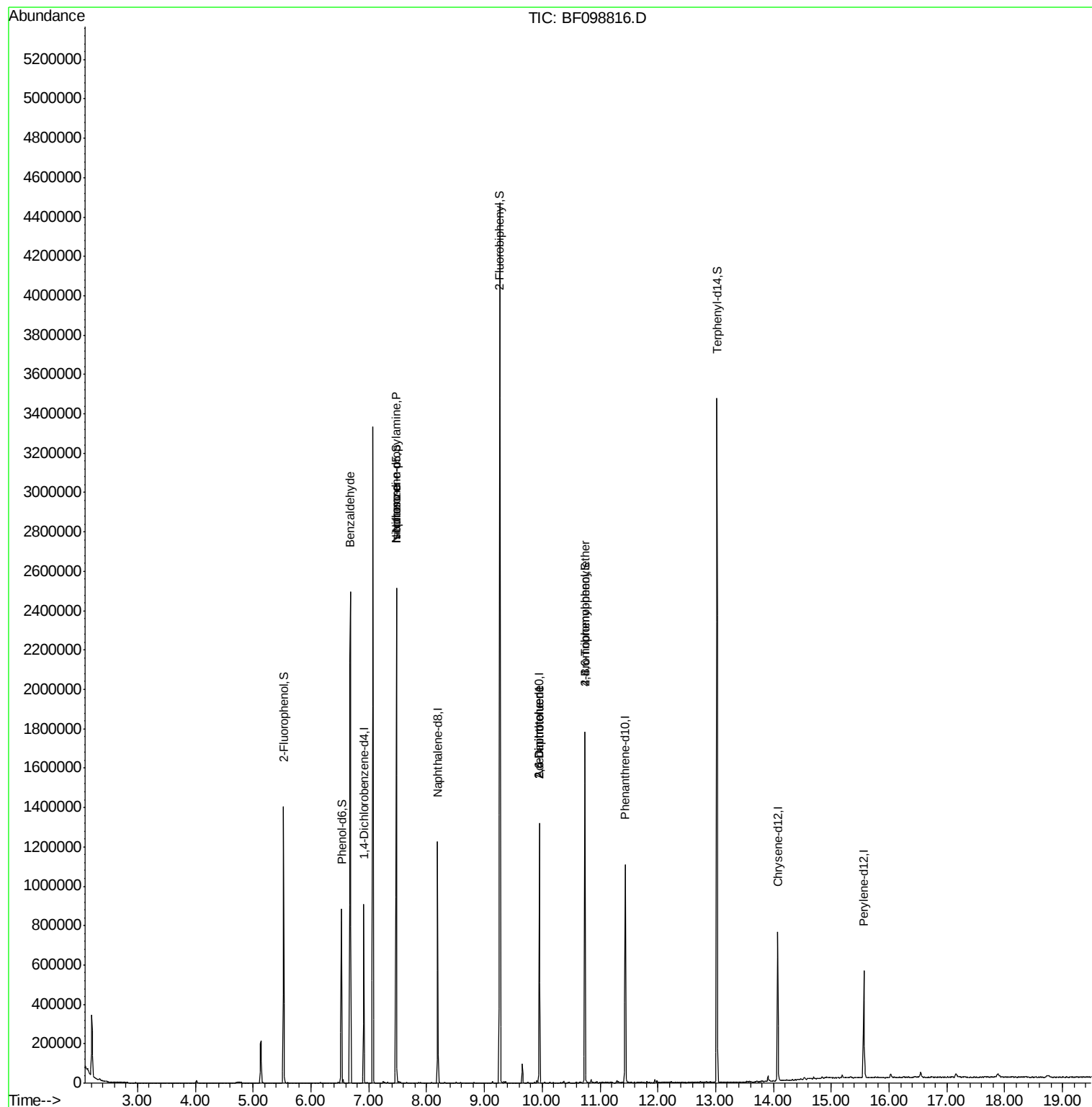
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	127459	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	532525	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	240881	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	395076	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	235740	20.00	ng	-0.01
86) Perylene-d12	15.56	264	227640	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	375907	46.95	ng	-0.01
7) Phenol-d6	6.53	99	277965	28.14	ng	-0.02
23) Nitrobenzene-d5	7.47	82	884241	106.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	191099	96.95	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1576201	109.24	ng	-0.01
78) Terphenyl-d14	13.02	244	1067543	102.99	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.68	77	14187	2.476	ng	# 82
19) n-Nitroso-di-n-propylamine	7.47	70	117444	18.624	ng	# 75
25) Isophorone	7.47	82	883903	51.485	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	29683	7.500	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	29683	5.779	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	13110	3.390	ng	# 1

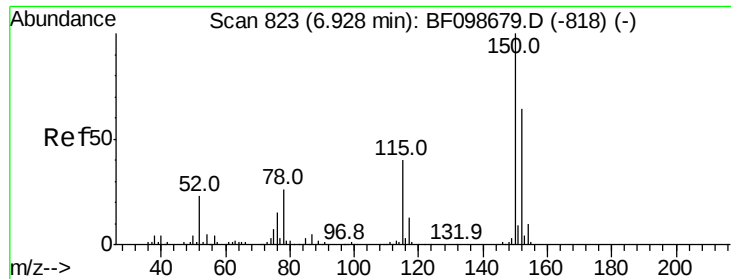
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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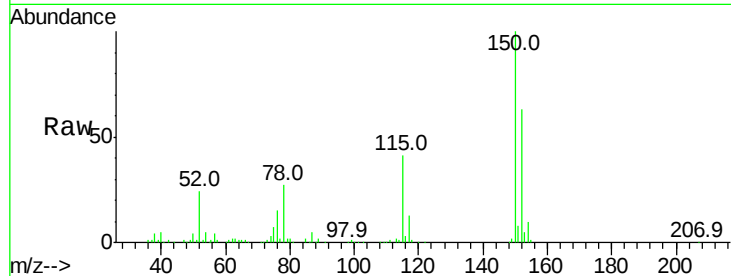


#1

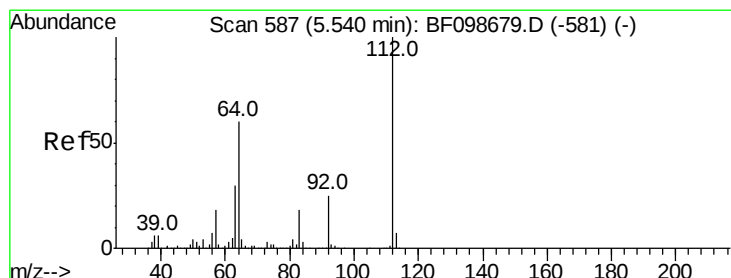
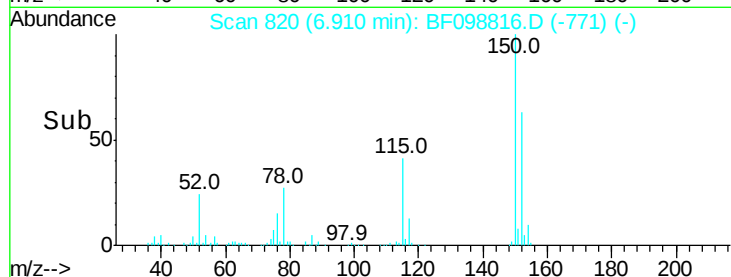
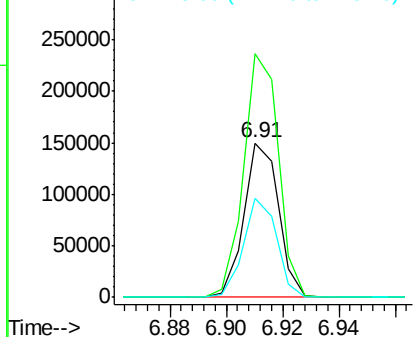
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098816.D
Acq: 26 Sep 2017 7:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 127459
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 64.2 50.1 75.1



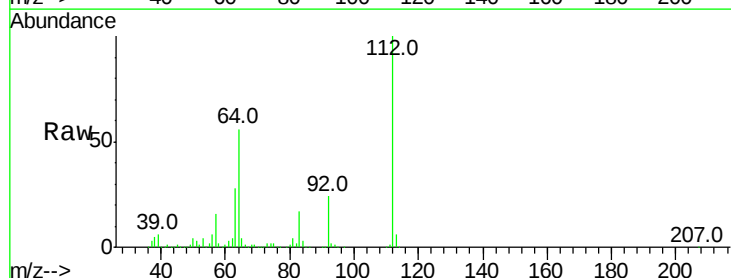
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



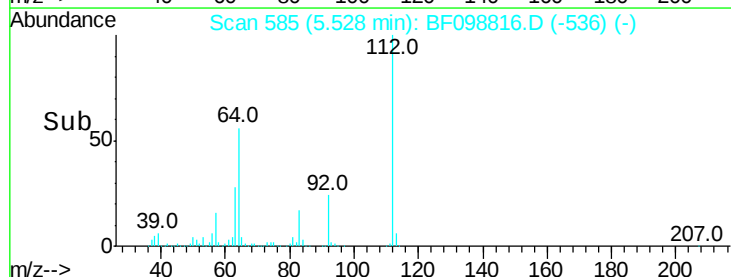
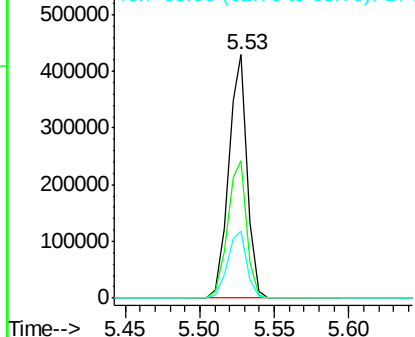
#5

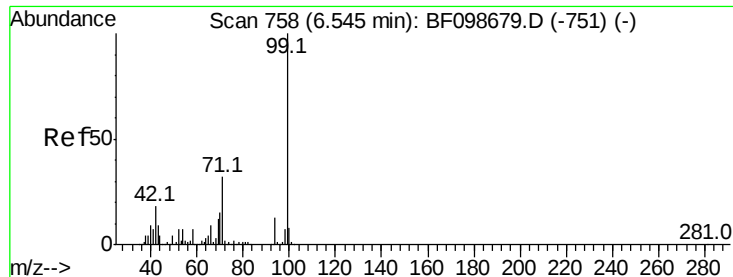
2-Fluorophenol
Concen: 46.949 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098816.D
Acq: 26 Sep 2017 7:35

Tgt Ion:112 Resp: 375907
Ion Ratio Lower Upper
112 100
64 56.3 47.9 71.9
63 27.7 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: 28.142 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098816.D

Acq: 26 Sep 2017 7:35

Instrument :

BNA_F

ClientSampleId :

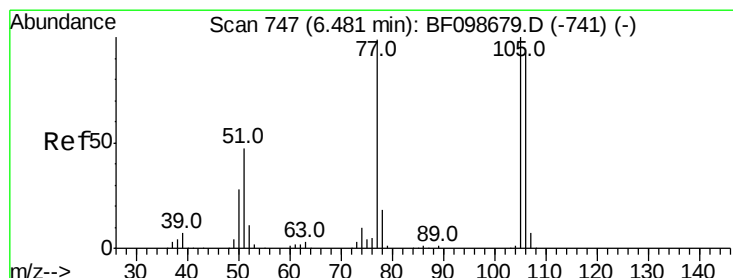
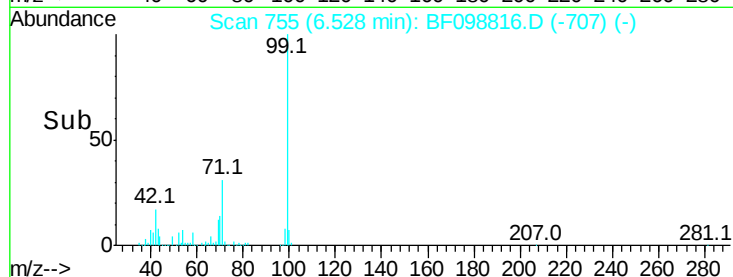
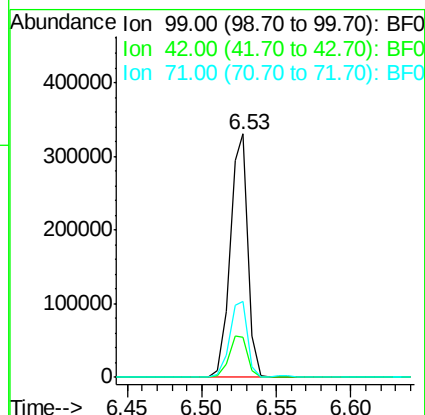
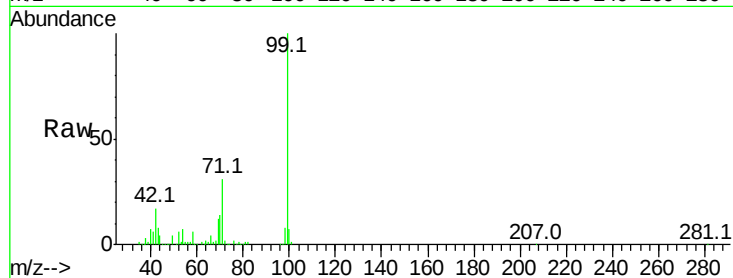
Tot Ion: 99 Resp: 277965

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

71 31.0 25.4 38.0



#9

Benzaldehyde

Concen: 2.476 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.21 min

Lab File: BF098816.D

Acq: 26 Sep 2017 7:35

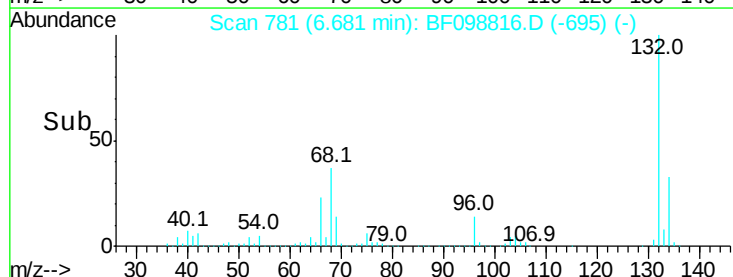
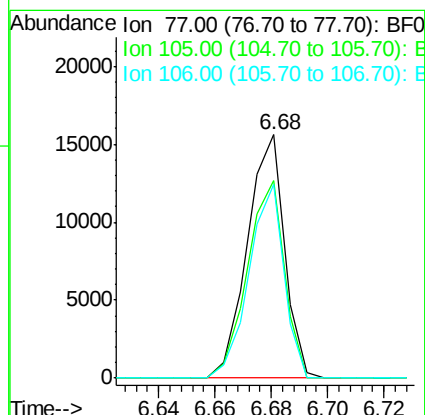
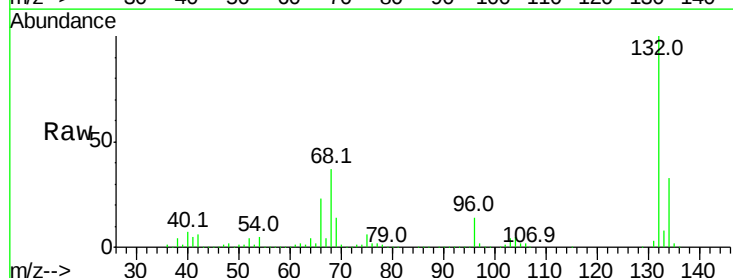
Tgt Ion: 77 Resp: 14187

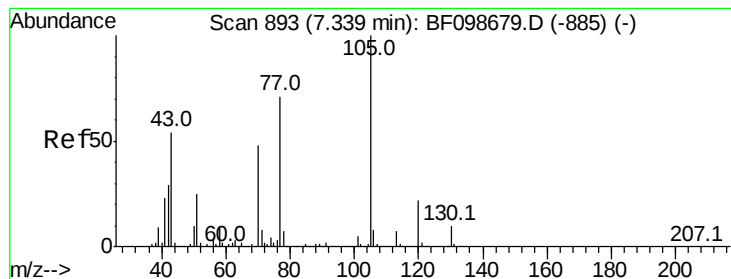
Ion Ratio Lower Upper

77 100

105 81.0 81.1 121.1#

106 79.8 74.5 114.5





#19

n-Nitroso-di-n-propylamine

Concen: 18.624 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098816.D

Acq: 26 Sep 2017 7:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 117444

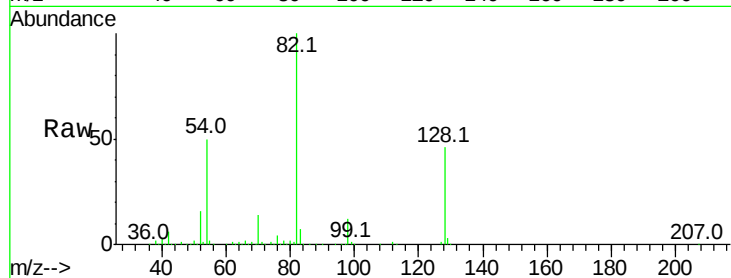
Ion Ratio Lower Upper

70 100

42 44.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

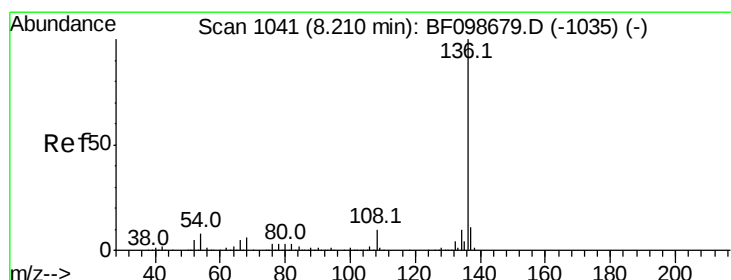
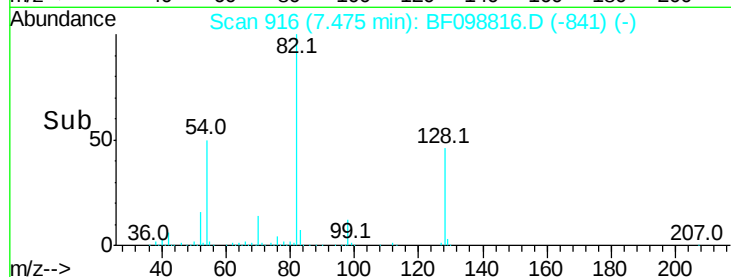
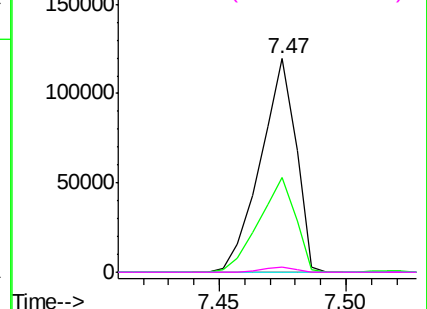


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF098816.D

Acq: 26 Sep 2017 7:35

Tgt Ion:136 Resp: 532525

Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.2 6.6 9.8

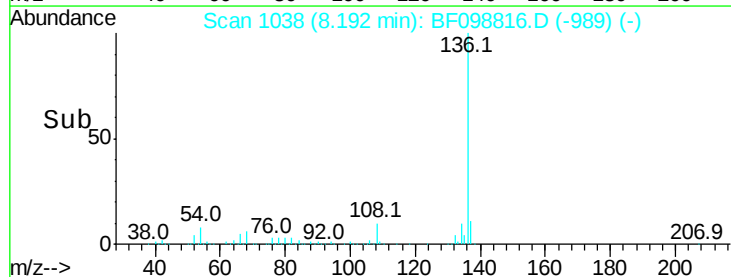
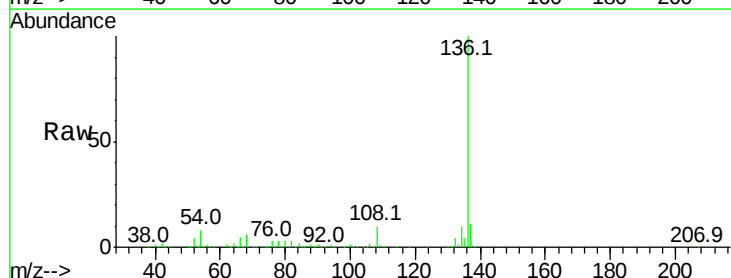
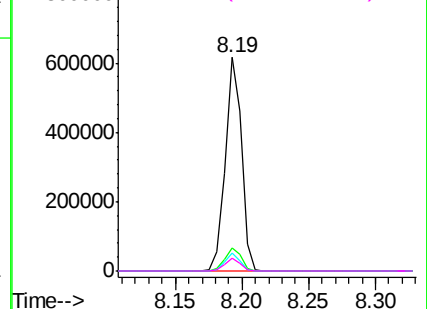
68 6.2 5.0 7.4

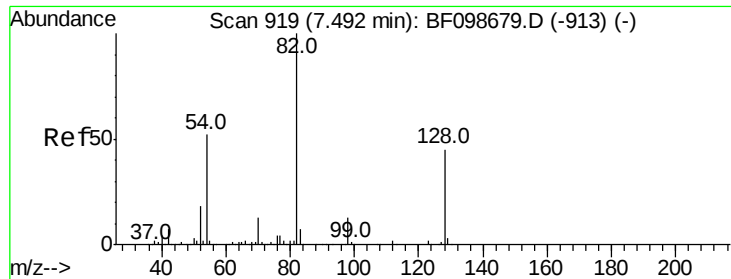
Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.486 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF098816.D

Acq: 26 Sep 2017 7:35

Instrument :

BNA_F

ClientSampled :

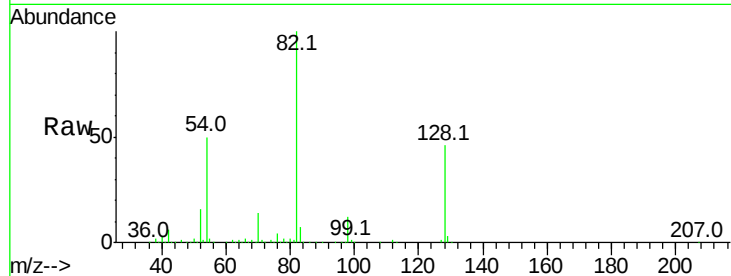
Tot Ion: 82 Resp: 884241

Ion Ratio Lower Upper

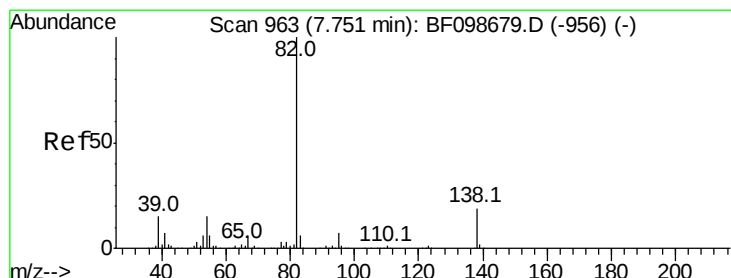
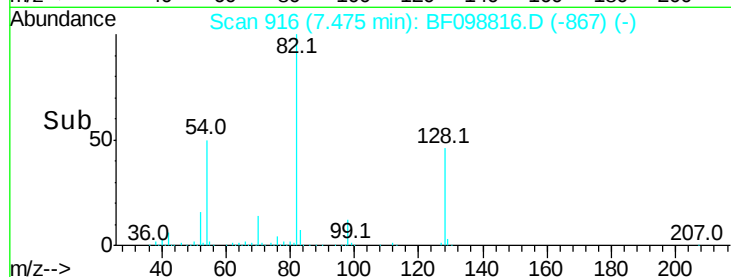
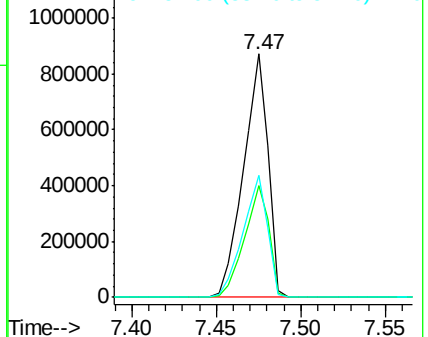
82 100

128 46.0 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): BF0
Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 51.485 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098816.D

Acq: 26 Sep 2017 7:35

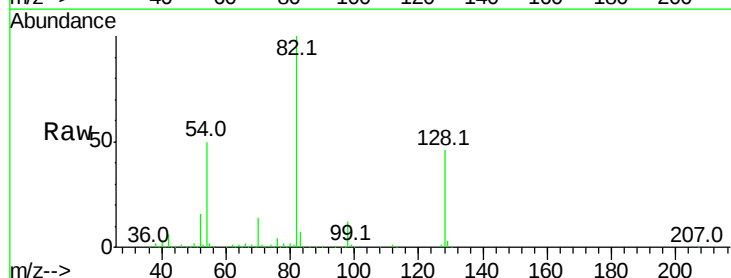
Tgt Ion: 82 Resp: 883903

Ion Ratio Lower Upper

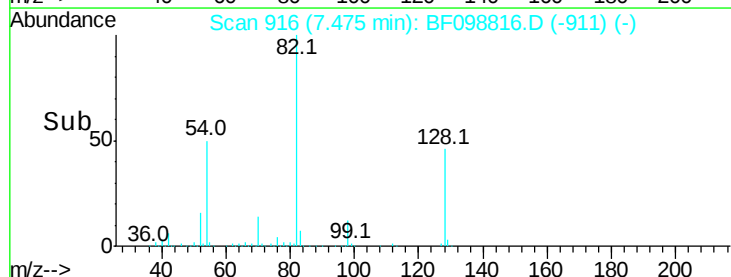
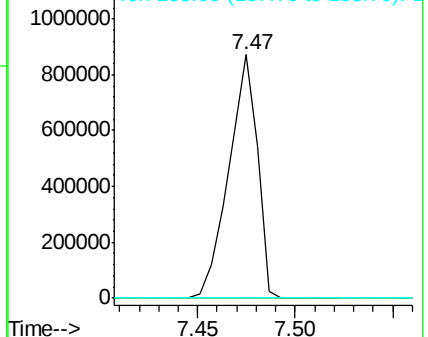
82 100

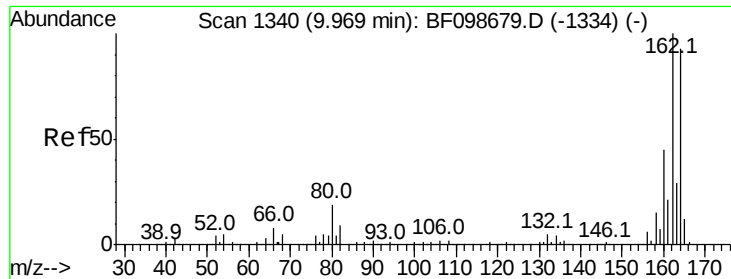
95 0.0 5.2 7.8#

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): BF0

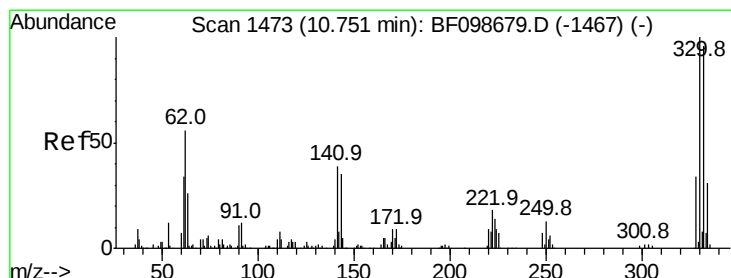
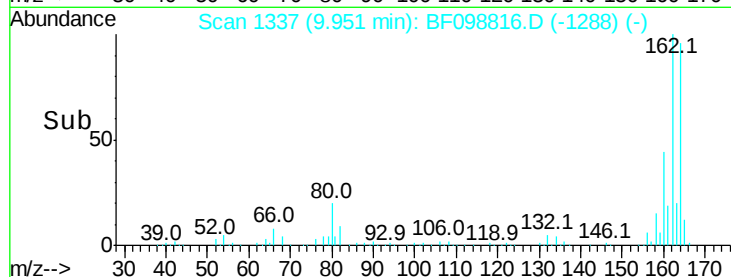
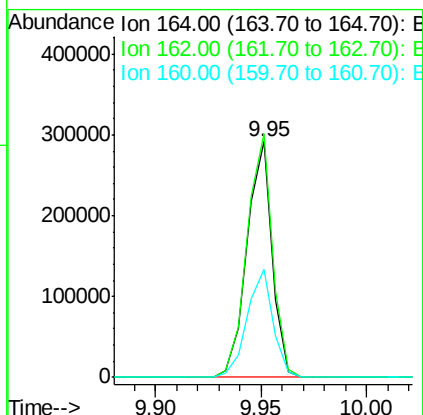
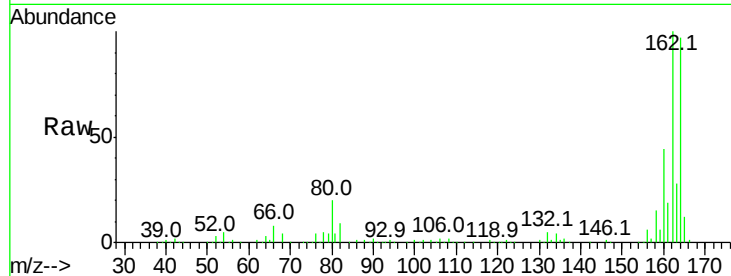




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098816.D
 Acq: 26 Sep 2017 7:35

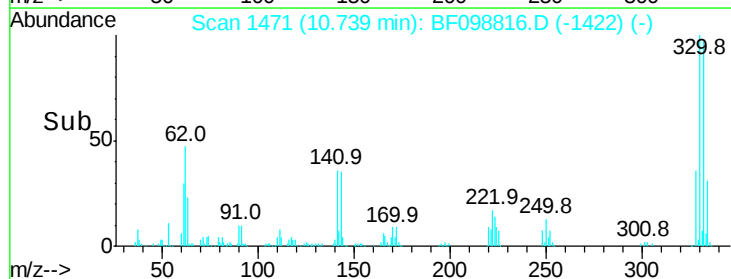
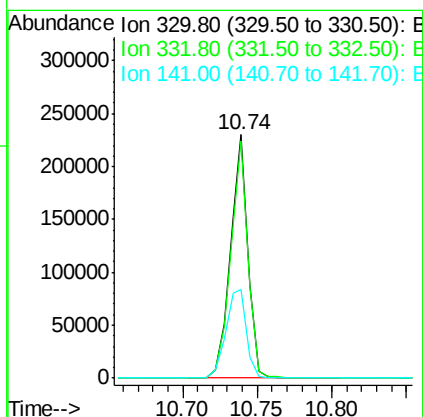
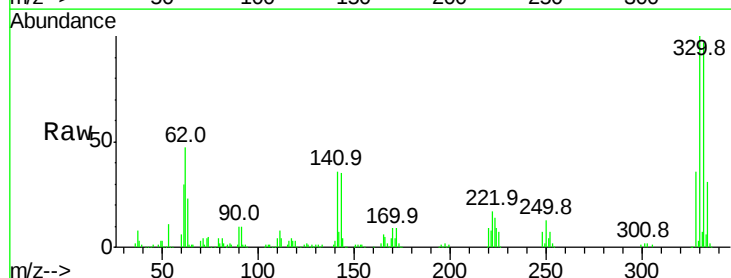
Instrument :
 BNA_F
 ClientSampleId :

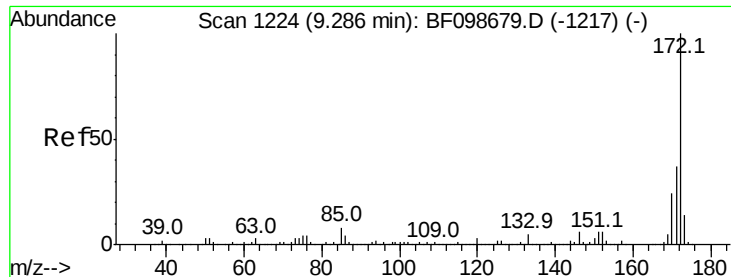
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	45.7	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 96.952 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098816.D
 Acq: 26 Sep 2017 7:35

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	42.6	29.9	44.9





#44

2-Fluorobiphenyl

Concen: 109.238 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF098816.D

Acq: 26 Sep 2017 7:35

Instrument :

BNA_F

ClientSampleId :

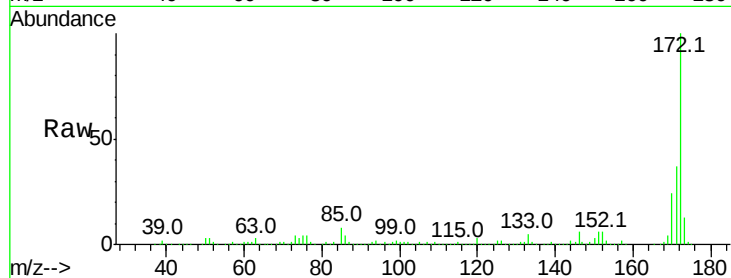
Tot Ion:172 Resp: 1576201

Ion Ratio Lower Upper

172 100

171 36.7 29.7 44.5

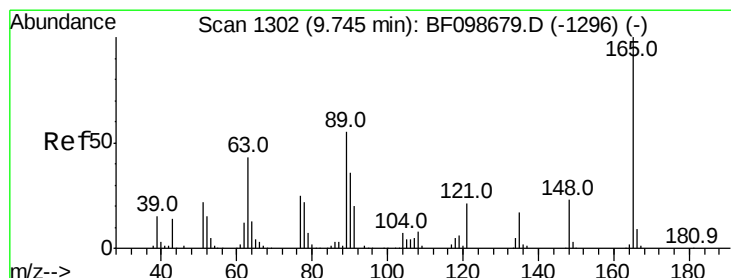
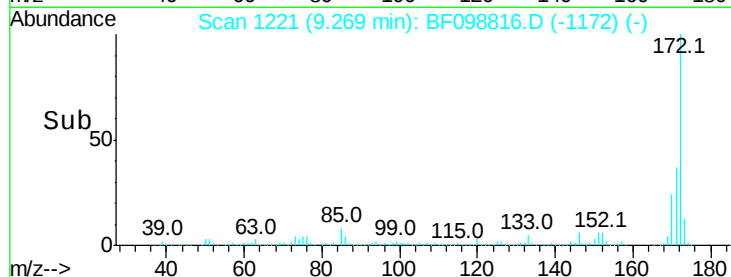
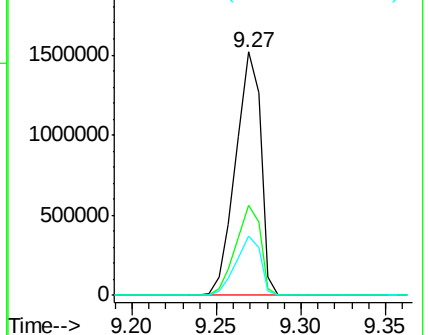
170 24.3 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 7.500 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.21 min

Lab File: BF098816.D

Acq: 26 Sep 2017 7:35

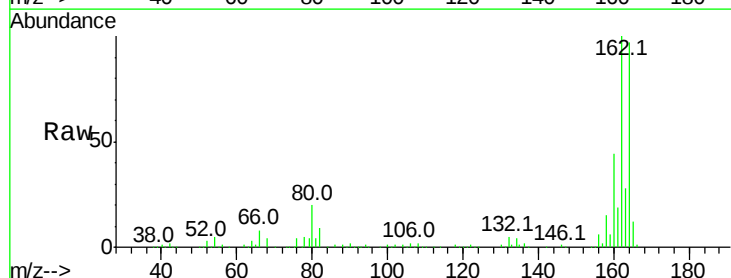
Tgt Ion:165 Resp: 29683

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

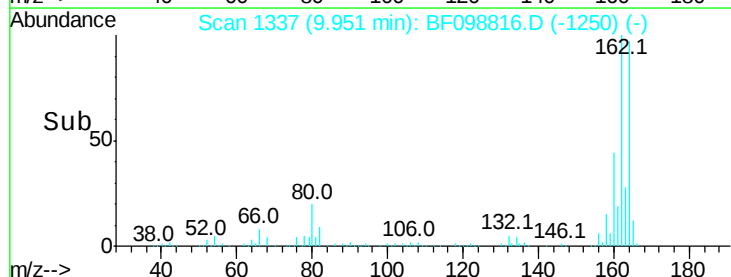
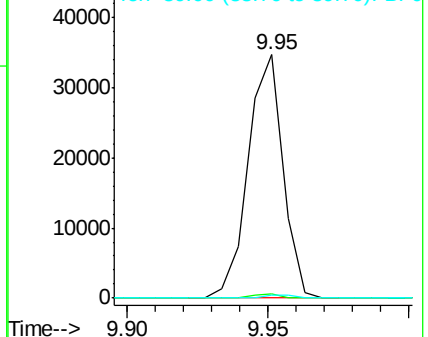
89 1.5 44.0 66.0#



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

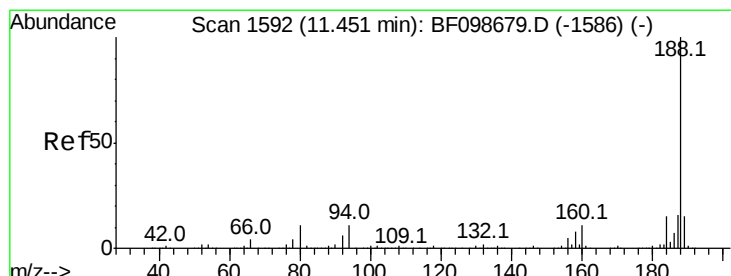
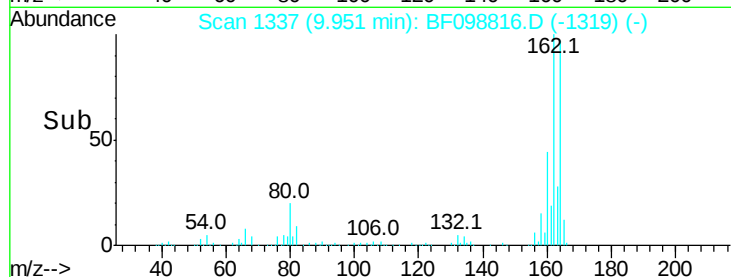
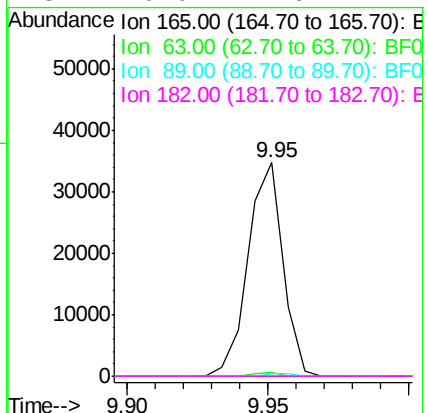
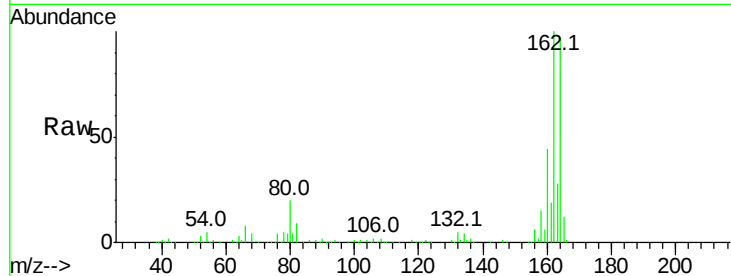




#56
 2,4-Dinitrotoluene
 Concen: 5.779 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098816.D
 Acq: 26 Sep 2017 7:35

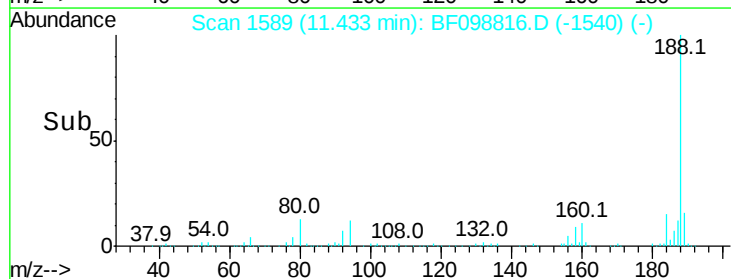
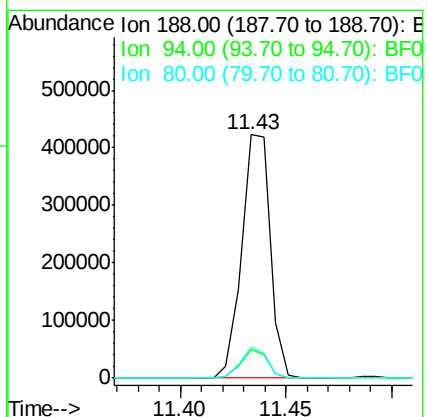
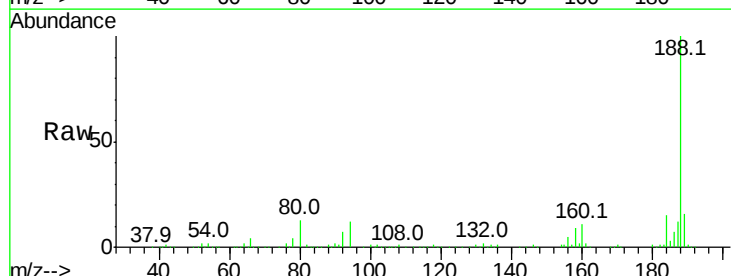
Instrument :
 BNA_F
 ClientSampleId :

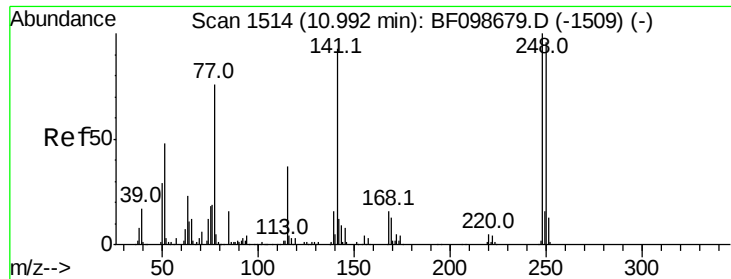
Tot Ion:	165	Resp:	29683
Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF098816.D
 Acq: 26 Sep 2017 7:35

Tgt Ion:	188	Resp:	395076
Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	13.0	9.2	13.8

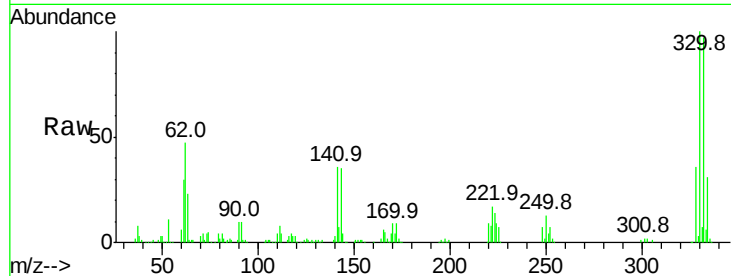




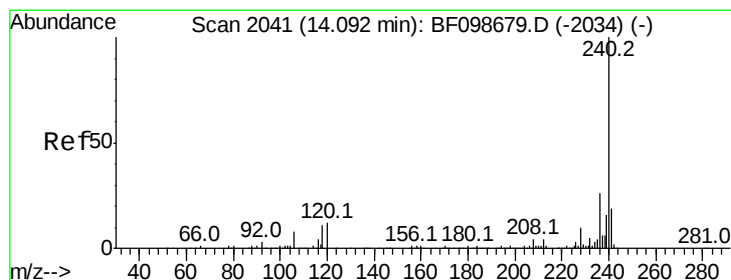
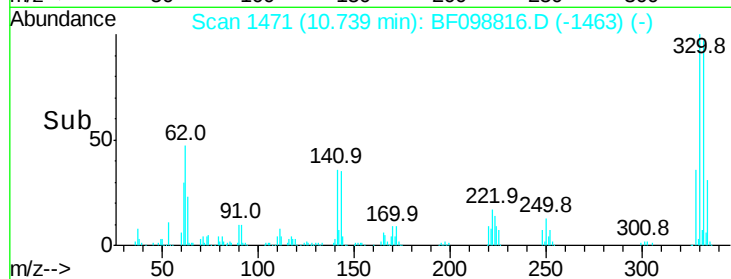
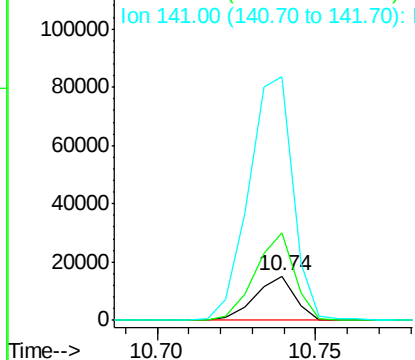
#66
 4-Bromophenyl-phenylether
 Concen: 3.390 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.25 min
 Lab File: BF098816.D
 Acq: 26 Sep 2017 7:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13110
 Ion Ratio Lower Upper
 248 100
 250 197.5 76.9 115.3#
 141 551.0 74.4 111.6#

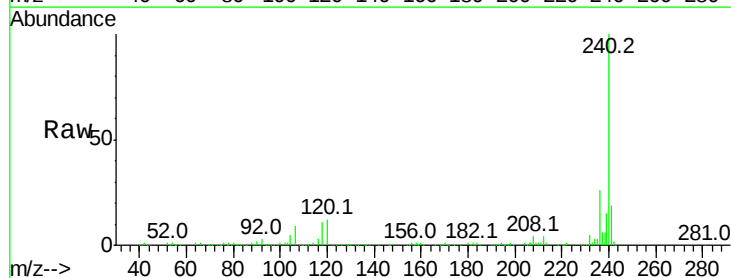


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

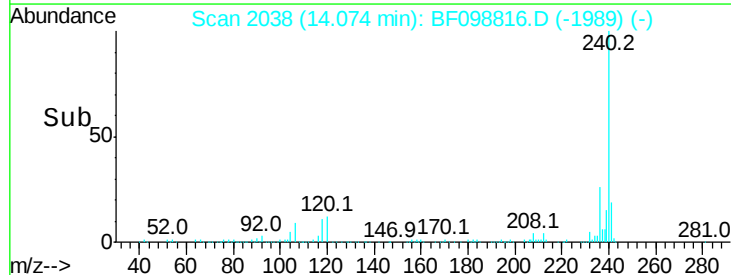
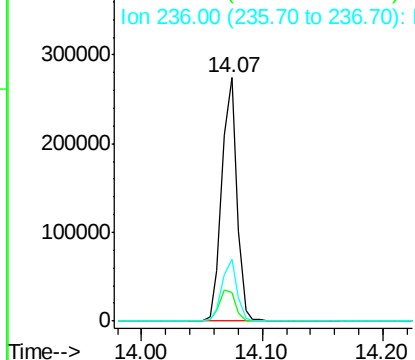


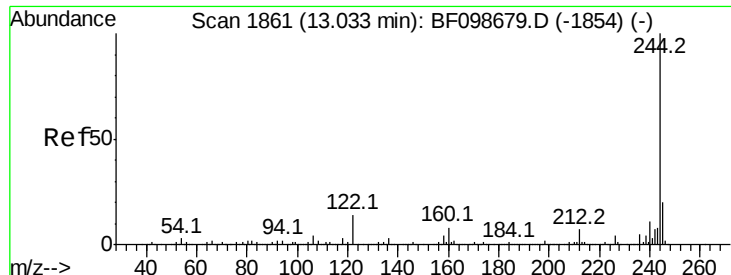
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF098816.D
 Acq: 26 Sep 2017 7:35

Tgt Ion:240 Resp: 235740
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.5 14.3
 236 25.5 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: 102.987 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098816.D

Acq: 26 Sep 2017 7:35

Instrument :

BNA_F

ClientSampleId :

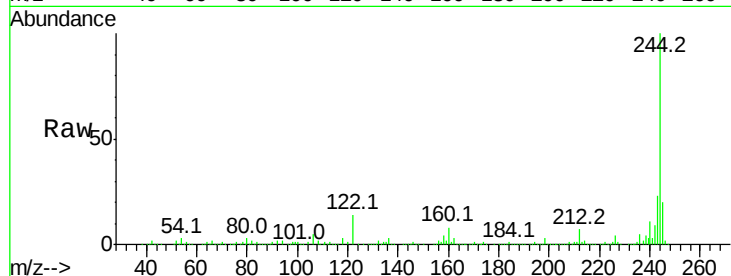
Tot Ion:244 Resp: 1067543

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

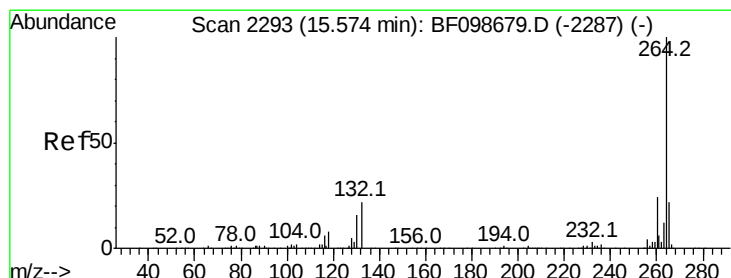
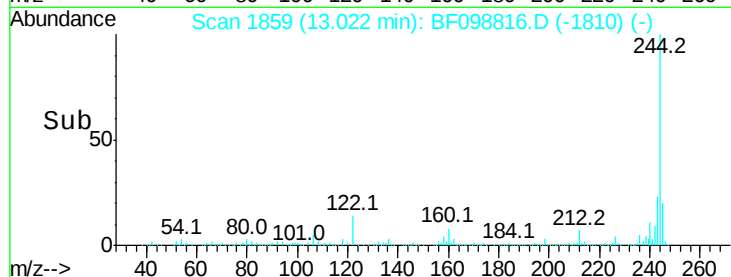
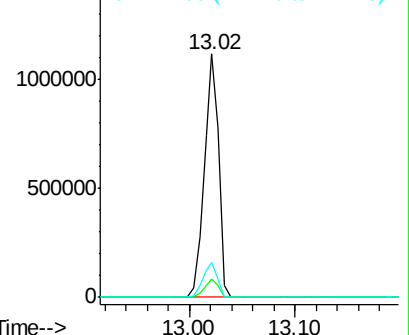
122 14.3 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF098816.D

Acq: 26 Sep 2017 7:35

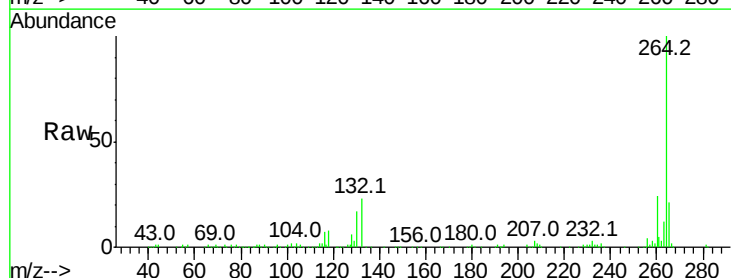
Tgt Ion:264 Resp: 227640

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.2 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

