

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099707.D
 Acq On : 20 Oct 2017 18:10
 Operator : SJ/JU
 Sample : I5981-04 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 21 21:24:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

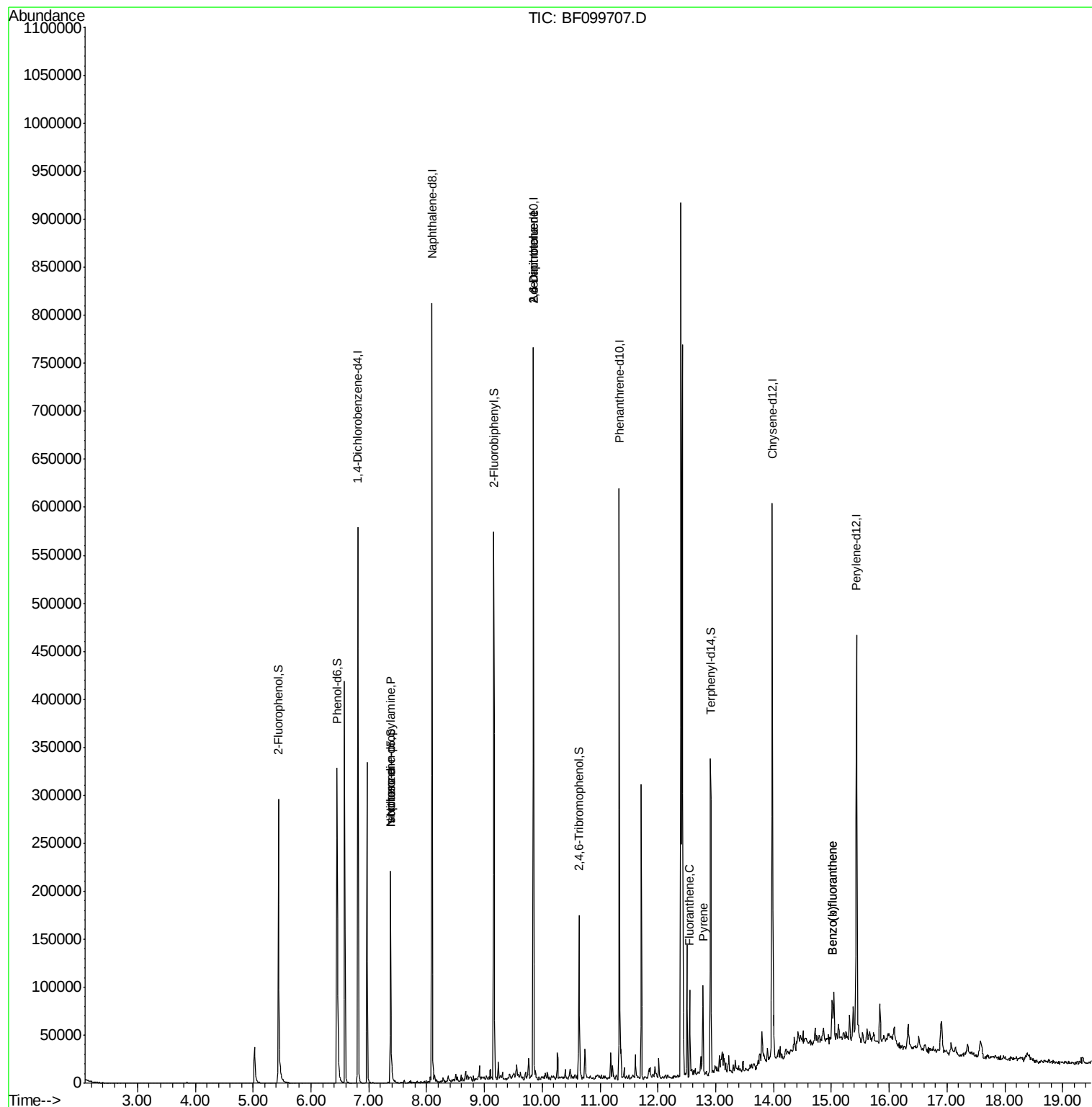
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	91524	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	358003	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	141237	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	198968	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	179408	20.00	ng	-0.01
86) Perylene-d12	15.44	264	182958	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	120504	20.96	ng	0.00
7) Phenol-d6	6.45	99	143534	20.24	ng	-0.01
23) Nitrobenzene-d5	7.37	82	78133	14.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	19912	17.23	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	161231	19.06	ng	-0.01
78) Terphenyl-d14	12.91	244	97254	12.33	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	9758	2.155	ng	# 77
25) Isophorone	7.37	82	78133	6.770	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	17809	7.674	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	17809	5.913	ng	# 22
74) Fluoranthene	12.55	202	31443	2.916	ng	99
77) Pyrene	12.78	202	32184	2.353	ng	98
87) Benzo(b)fluoranthene	15.02	252	29424	2.616	ng	# 92
88) Benzo(k)fluoranthene	15.02	252	29424	2.648	ng	# 94

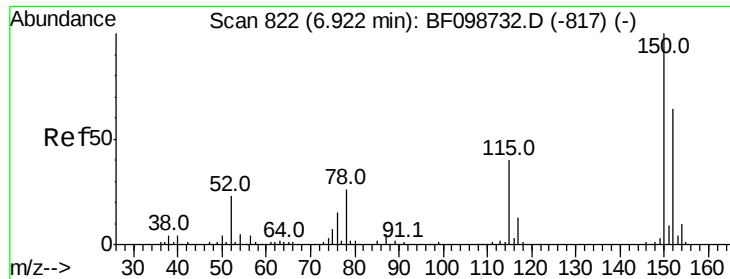
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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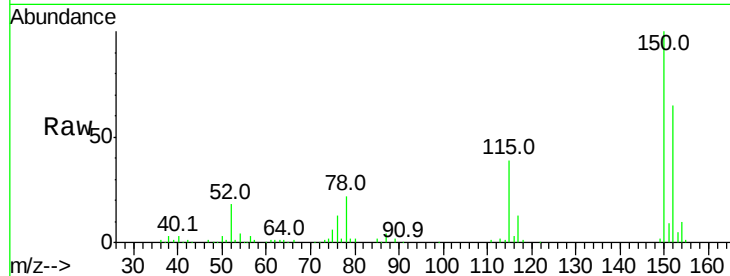


#1

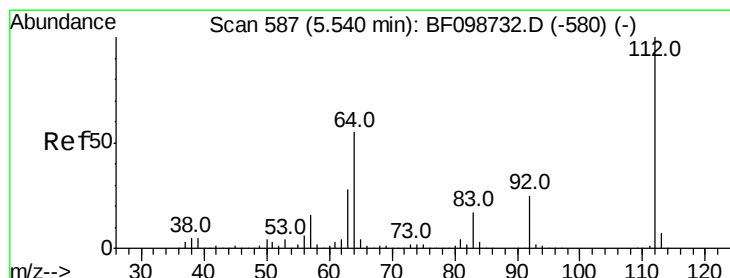
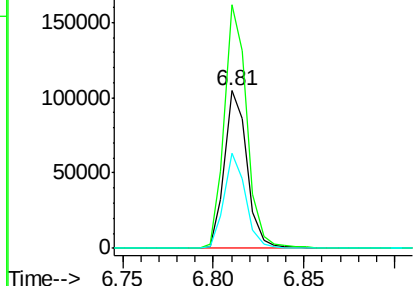
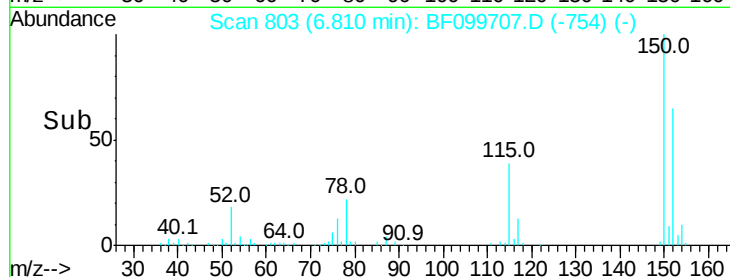
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF099707.D
 Acq: 20 Oct 2017 18:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 91524
 Ion Ratio Lower Upper
 152 100
 150 154.3 124.6 186.8
 115 60.6 50.1 75.1



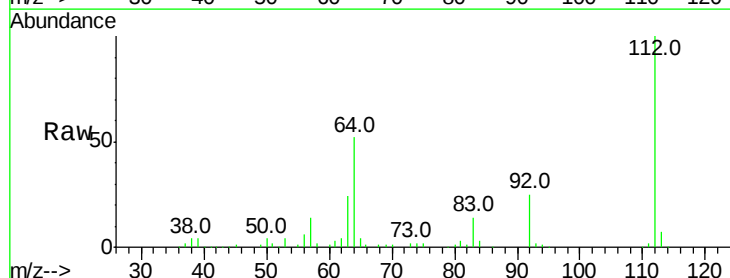
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



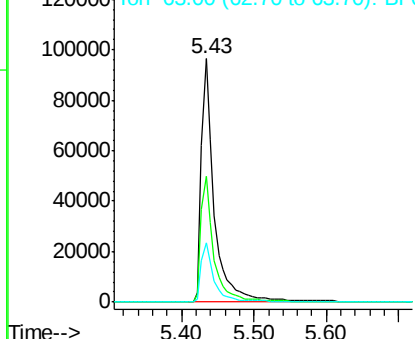
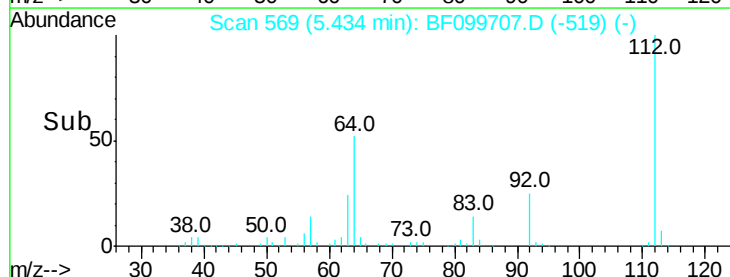
#5

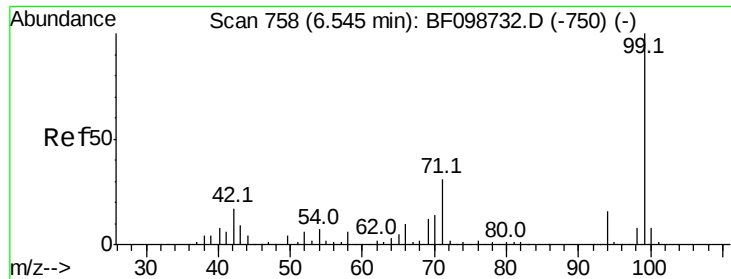
2-Fluorophenol
 Concen: 20.960 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF099707.D
 Acq: 20 Oct 2017 18:10

Tgt Ion:112 Resp: 120504
 Ion Ratio Lower Upper
 112 100
 64 51.8 47.9 71.9
 63 24.2 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: 20.237 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099707.D

Acq: 20 Oct 2017 18:10

Instrument :

BNA_F

ClientSampleId :

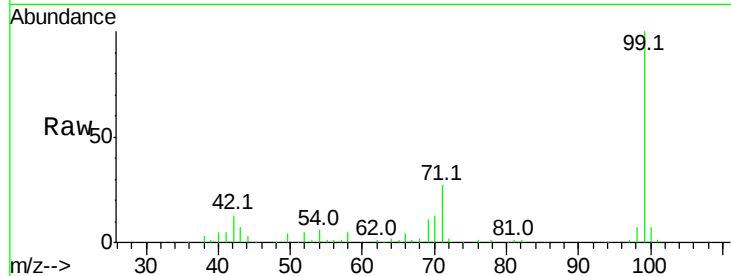
Tot Ion: 99 Resp: 143534

Ion Ratio Lower Upper

99 100

42 13.0 14.5 21.7#

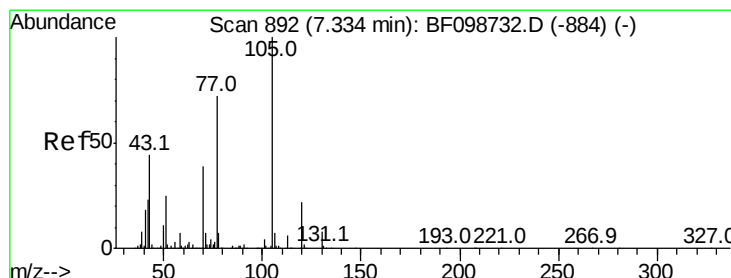
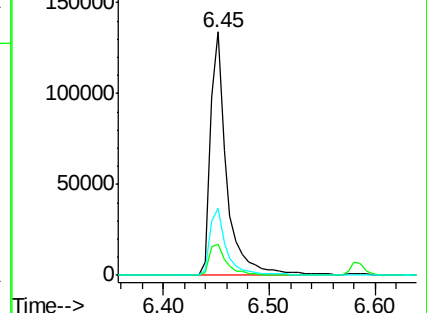
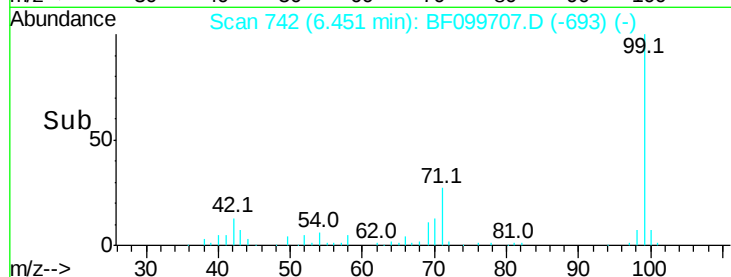
71 27.4 25.4 38.0



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: 2.155 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF099707.D

Acq: 20 Oct 2017 18:10

Tgt Ion: 70 Resp: 9758

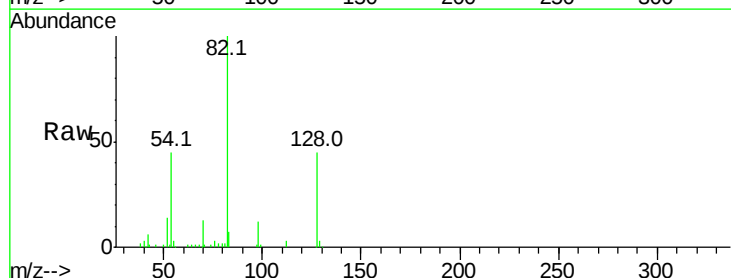
Ion Ratio Lower Upper

70 100

42 46.5 47.5 71.3#

101 0.0 7.4 11.2#

130 3.2 16.6 25.0#

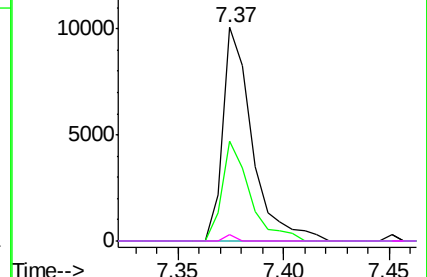
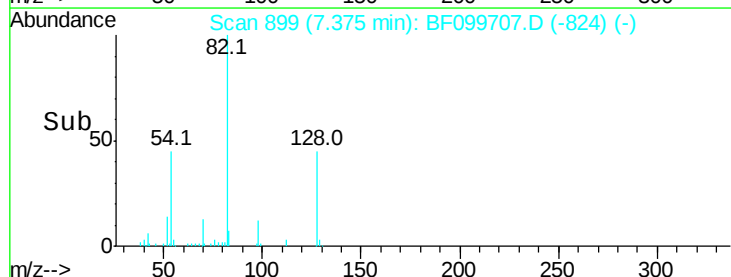


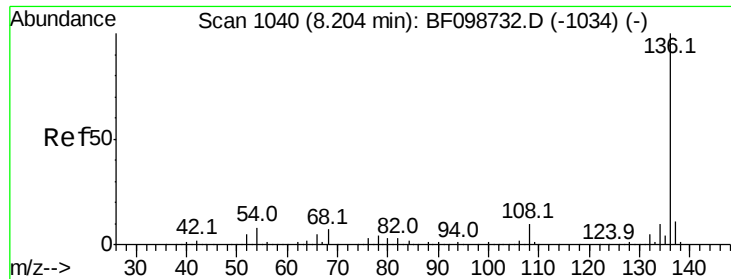
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

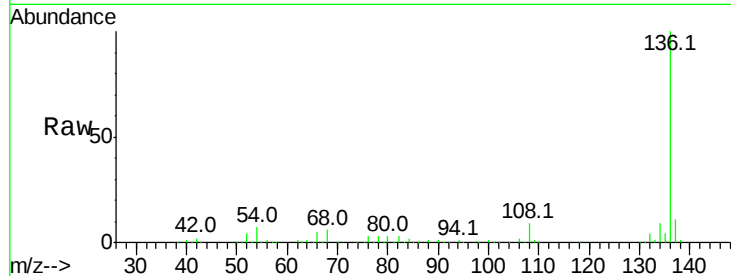




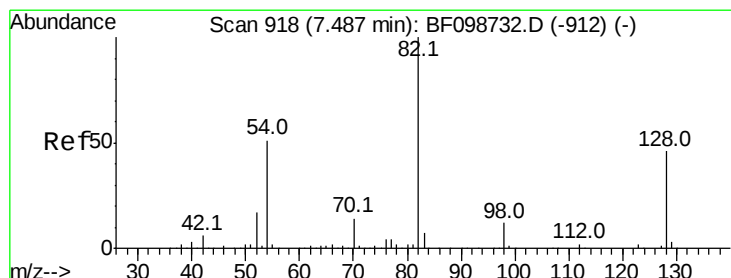
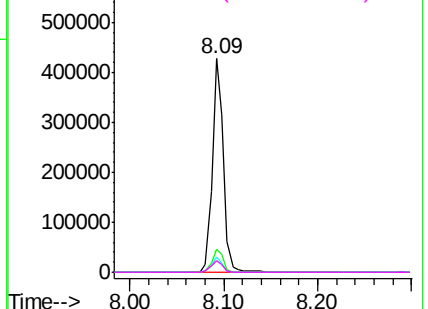
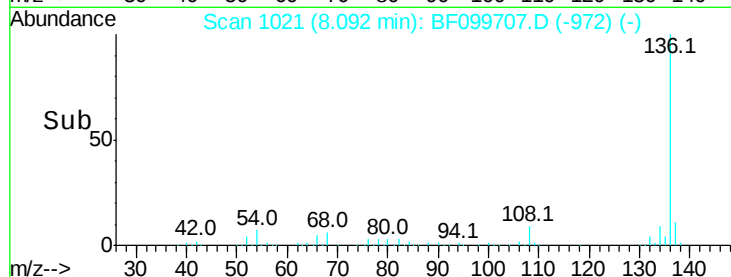
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099707.D
Acq: 20 Oct 2017 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	358003
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.4	6.6	9.8
68	5.7	5.0	7.4

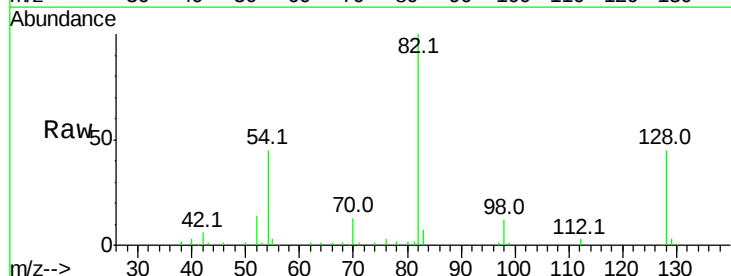


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

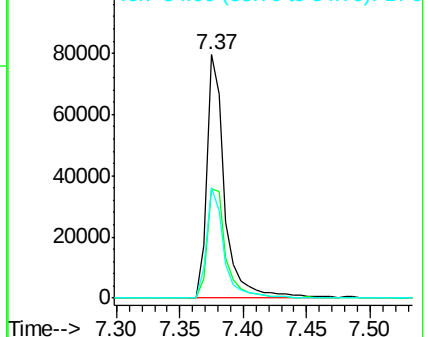
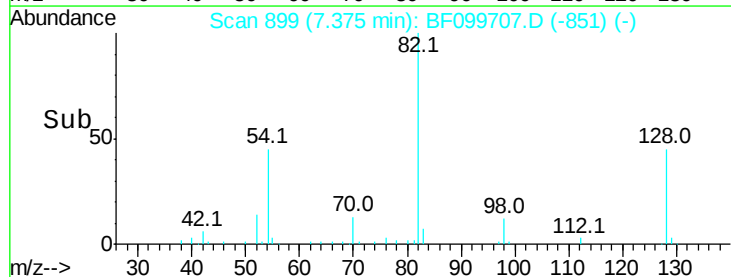


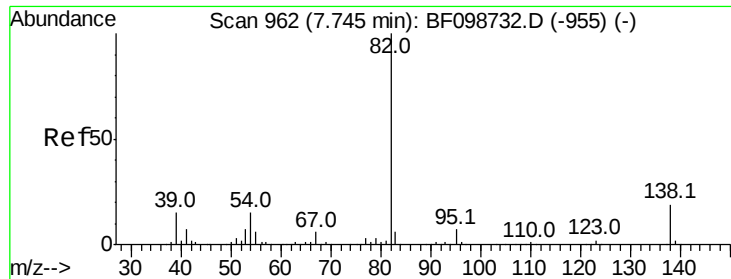
#23
Nitrobenzene-d5
Concen: 13.996 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.02 min
Lab File: BF099707.D
Acq: 20 Oct 2017 18:10

Tgt Ion:	82	Resp:	78133
Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	45.2	41.4	62.2



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: 6.770 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.27 min

Lab File: BF099707.D

Acq: 20 Oct 2017 18:10

Instrument :

BNA_F

ClientSampleId :

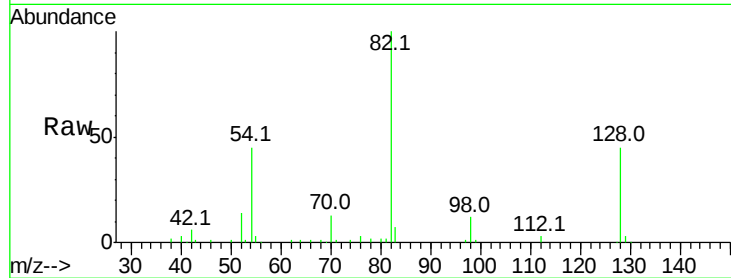
Tot Ion: 82 Resp: 78133

Ion Ratio Lower Upper

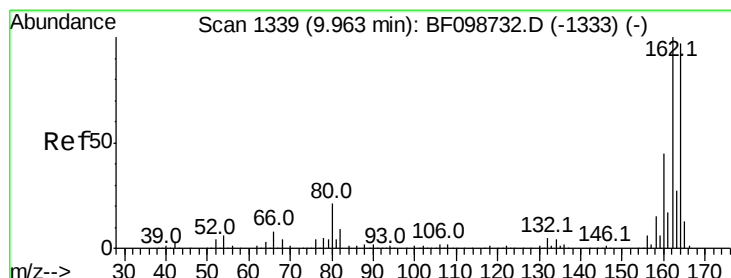
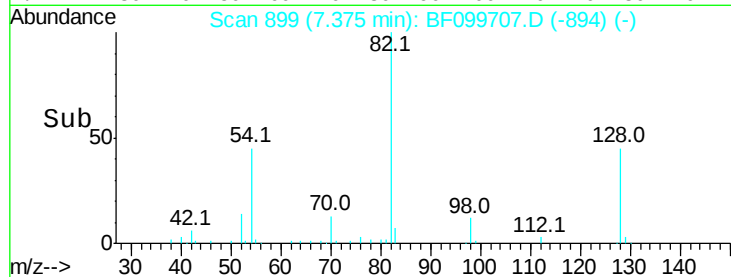
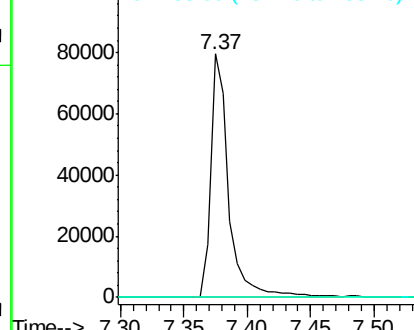
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099707.D

Acq: 20 Oct 2017 18:10

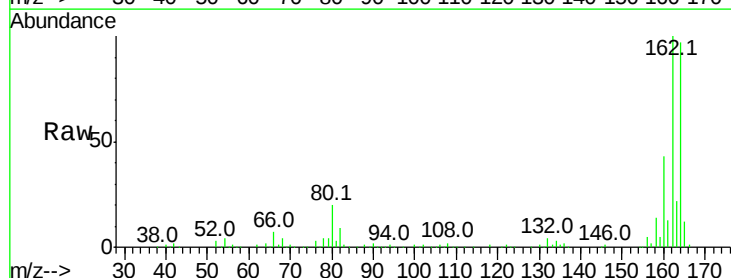
Tgt Ion:164 Resp: 141237

Ion Ratio Lower Upper

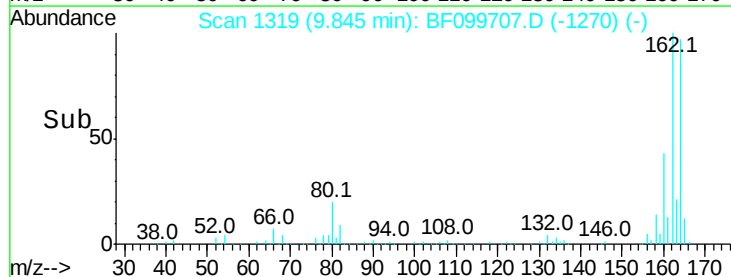
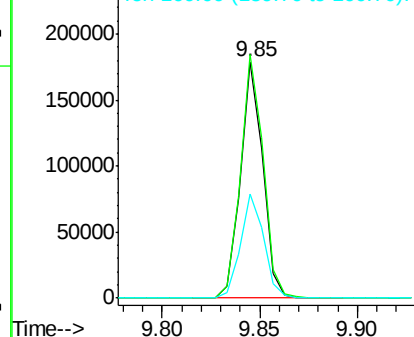
164 100

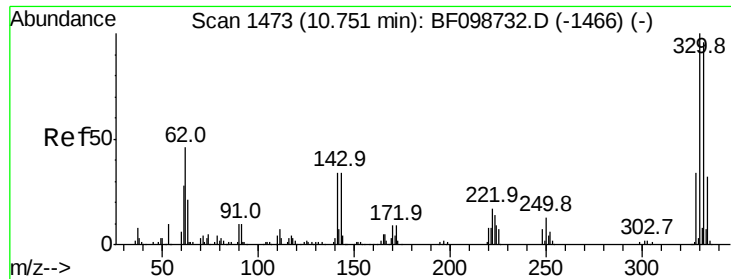
162 103.2 86.1 129.1

160 44.1 38.3 57.5



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: 17.229 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF099707.D

Acq: 20 Oct 2017 18:10

Instrument :

BNA_F

ClientSampleId :

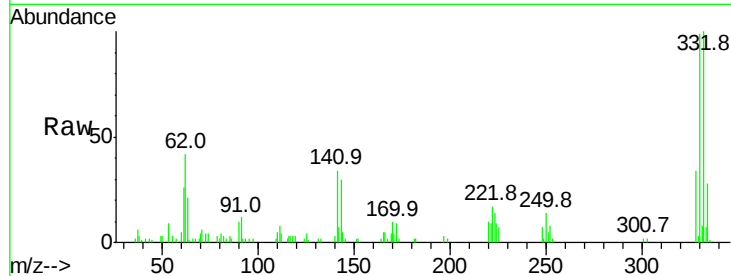
Tot Ion:330 Resp: 19912

Ion Ratio Lower Upper

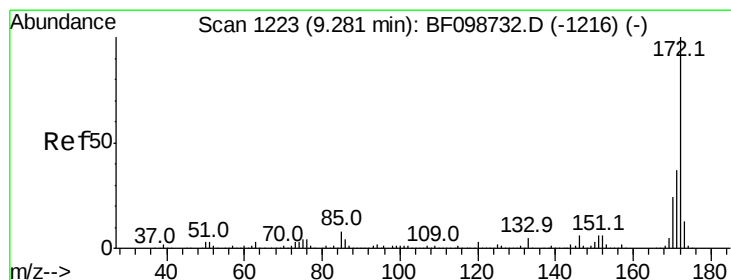
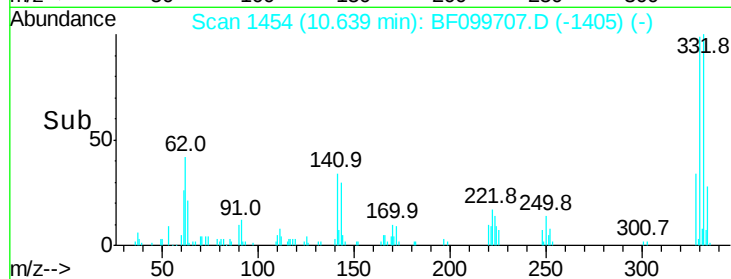
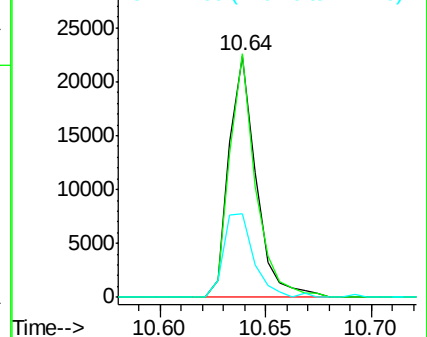
330 100

332 97.2 77.0 115.6

141 38.7 29.9 44.9



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: 19.057 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF099707.D

Acq: 20 Oct 2017 18:10

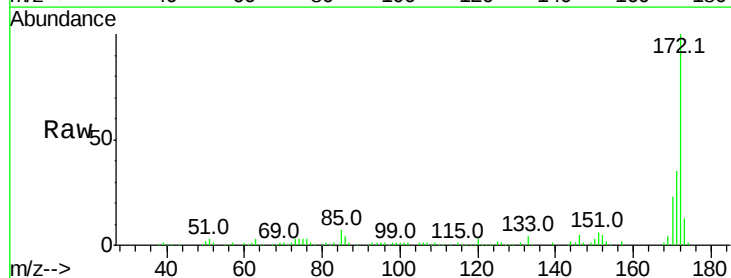
Tgt Ion:172 Resp: 161231

Ion Ratio Lower Upper

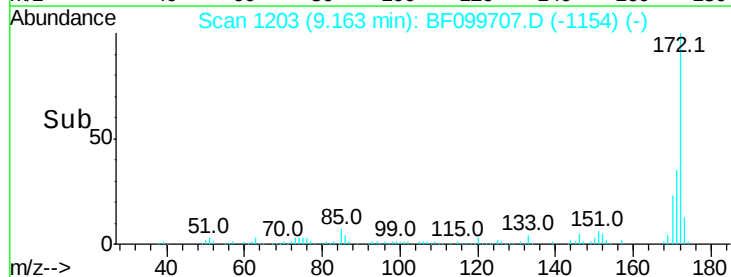
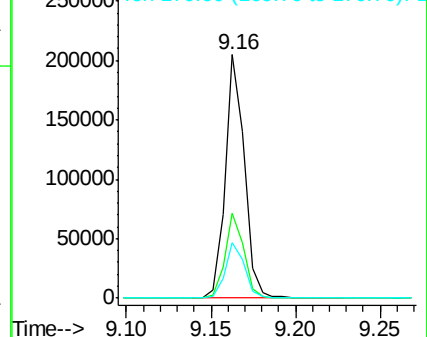
172 100

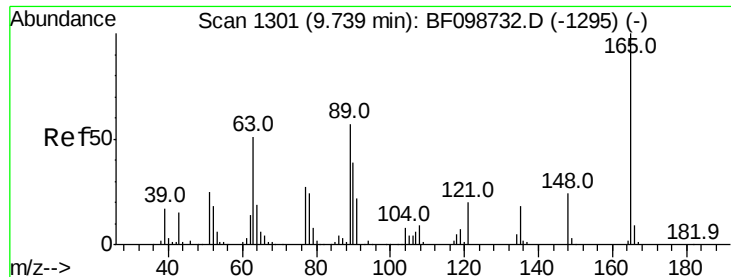
171 34.7 29.7 44.5

170 23.0 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

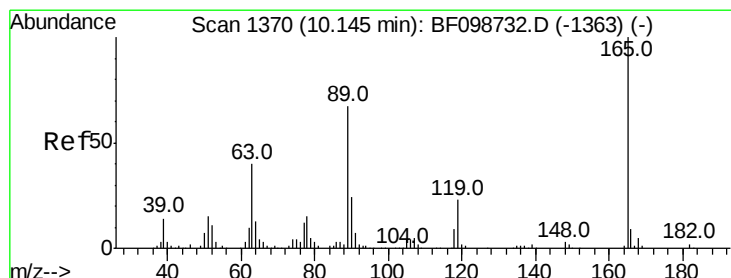
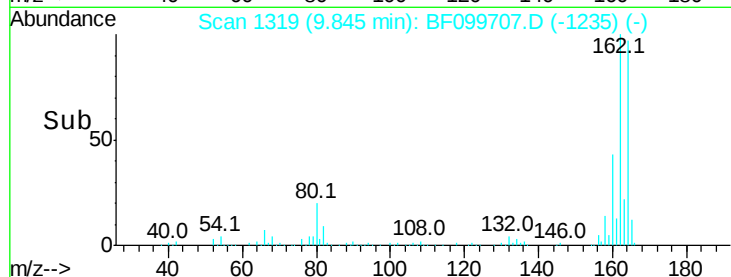
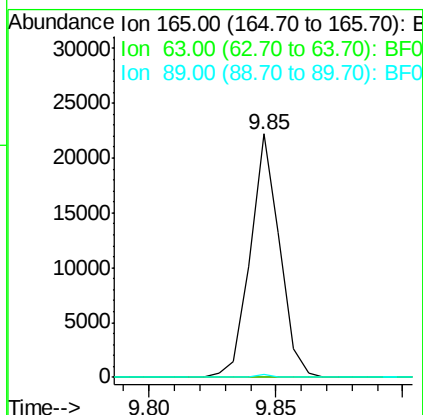
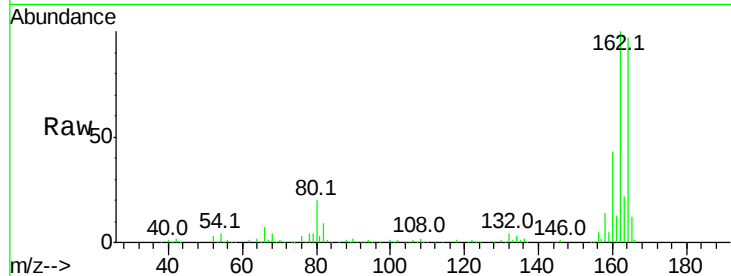




#50
 2,6-Dinitrotoluene
 Concen: 7.674 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.19 min
 Lab File: BF099707.D
 Acq: 20 Oct 2017 18:10

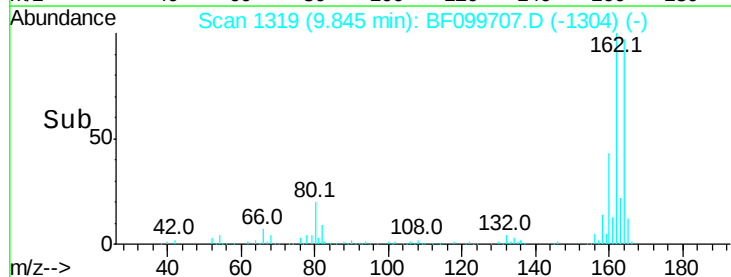
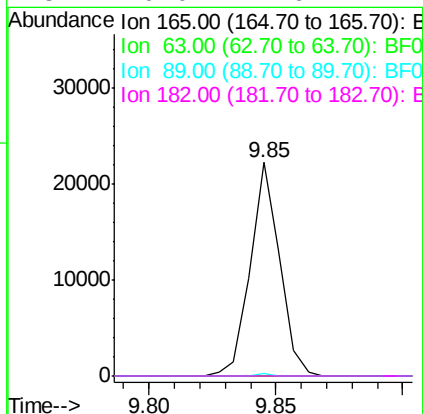
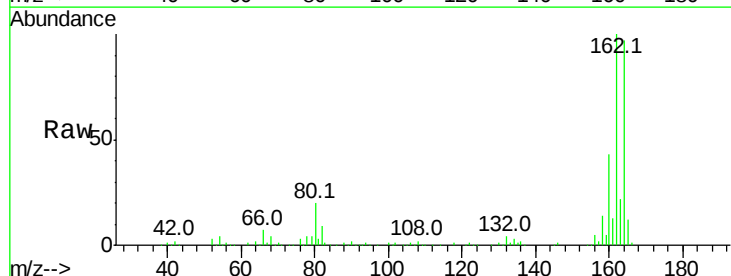
Instrument :
 BNA_F
 ClientSampleId :

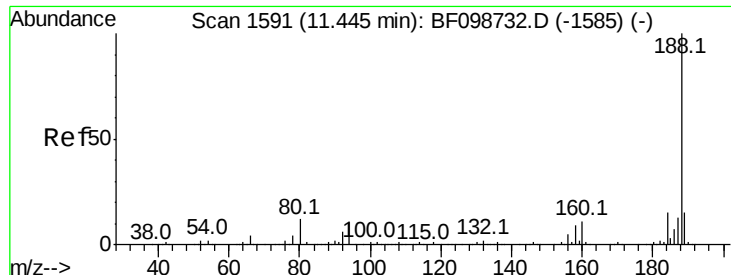
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.913 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF099707.D
 Acq: 20 Oct 2017 18:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

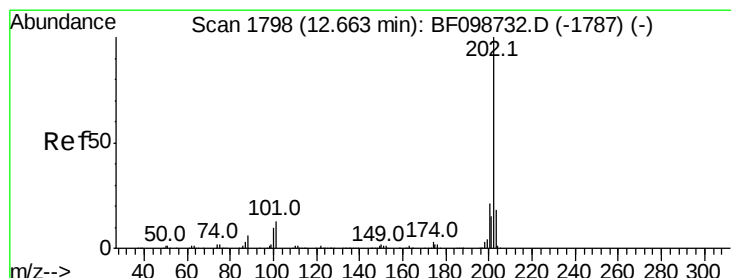
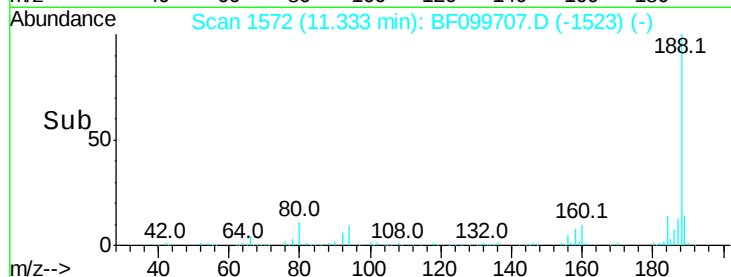
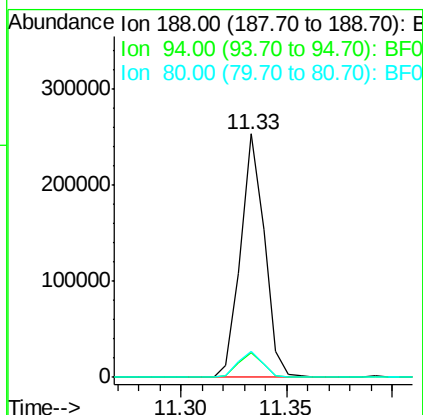
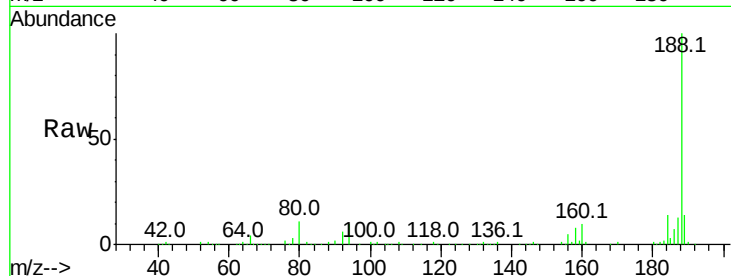




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF099707.D
Acq: 20 Oct 2017 18:10

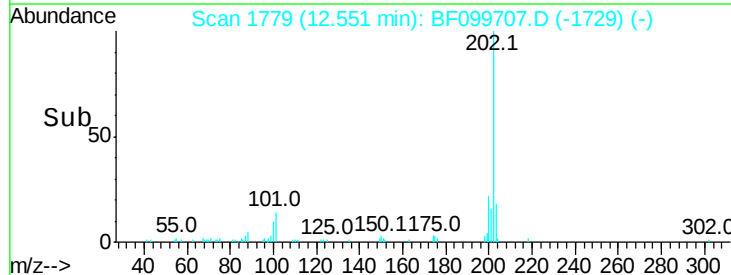
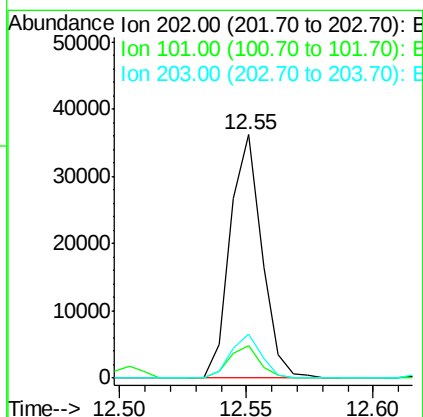
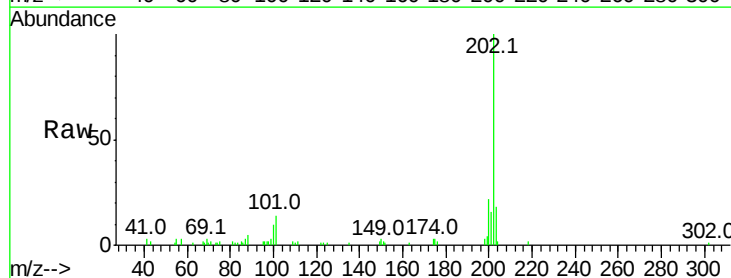
Instrument :
BNA_F
ClientSampleId :

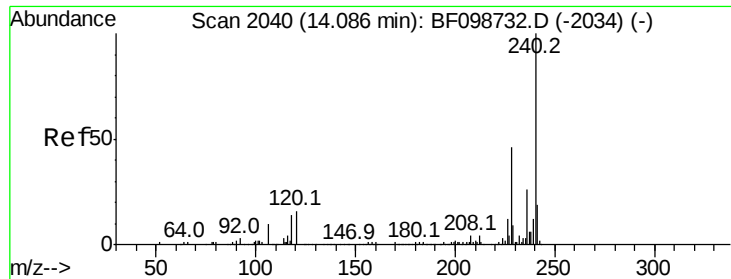
Tot Ion:188 Resp: 198968
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 10.8 9.2 13.8



#74
Fluoranthene
Concen: 2.916 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF099707.D
Acq: 20 Oct 2017 18:10

Tgt Ion:202 Resp: 31443
Ion Ratio Lower Upper
202 100
101 13.6 0.0 34.1
203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF099707.D

Acq: 20 Oct 2017 18:10

Instrument :

BNA_F

ClientSampleId :

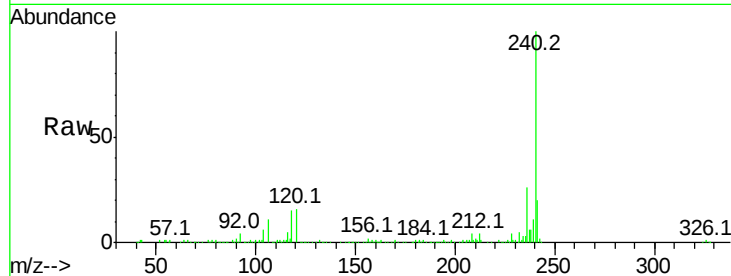
Tot Ion:240 Resp: 179408

Ion Ratio Lower Upper

240 100

120 16.4 9.5 14.3#

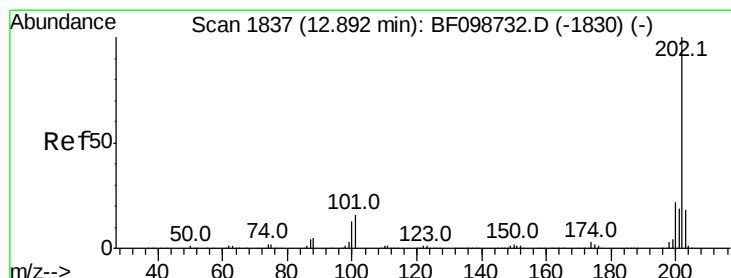
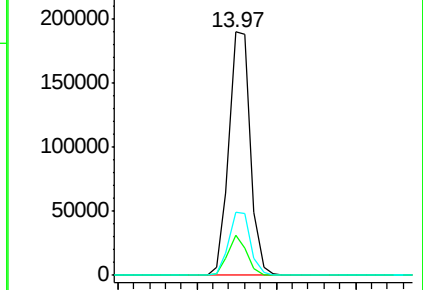
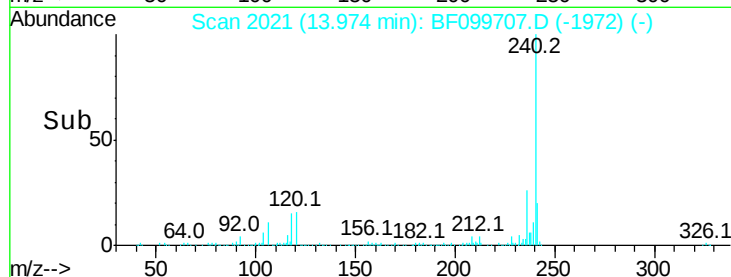
236 26.0 20.7 31.1



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



#77

Pyrene

Concen: 2.353 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099707.D

Acq: 20 Oct 2017 18:10

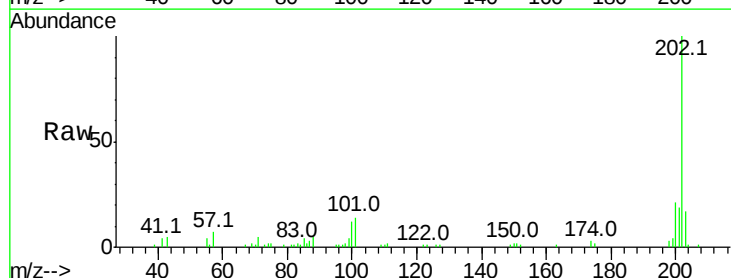
Tgt Ion:202 Resp: 32184

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

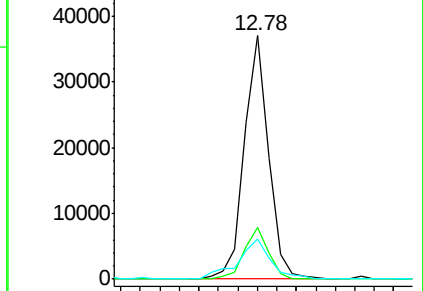
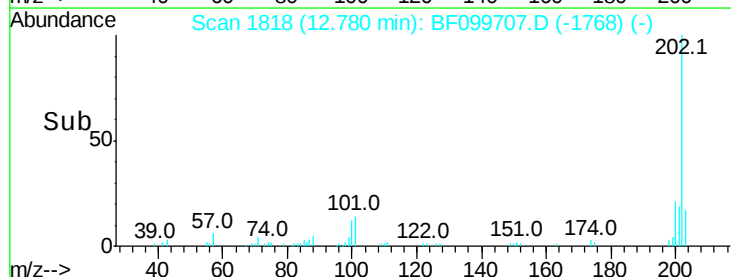
203 16.7 14.3 21.5

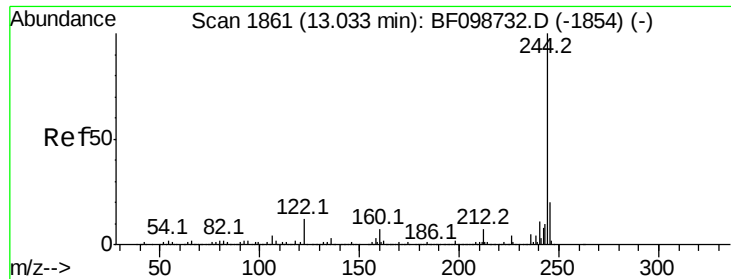


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

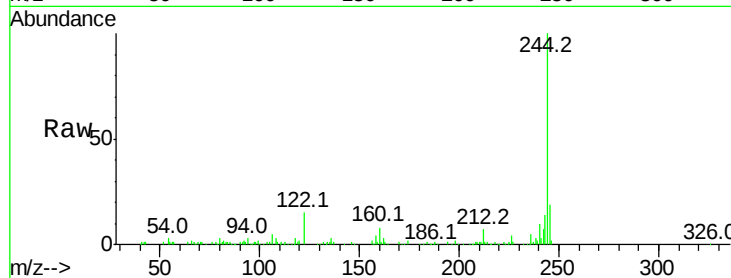




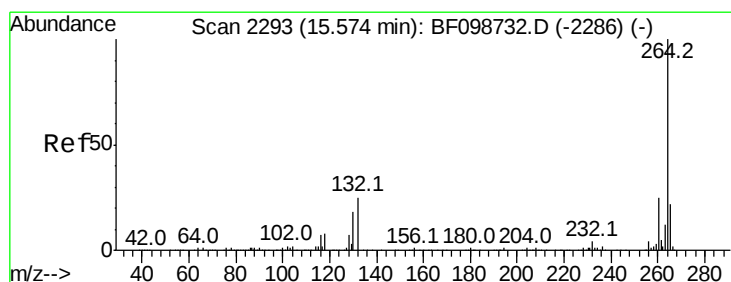
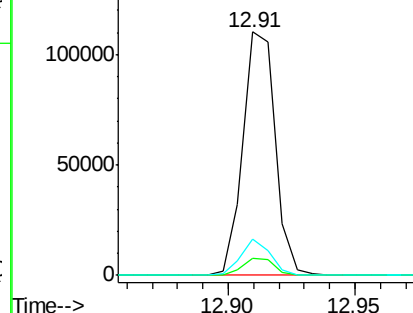
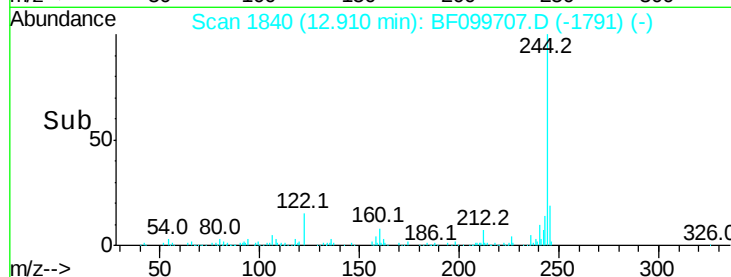
#78
 Terphenyl-d14
 Concen: 12.328 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF099707.D
 Acq: 20 Oct 2017 18:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 97254
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 14.8 11.0 16.4

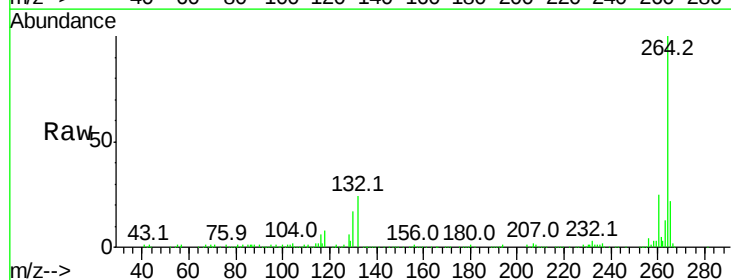


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

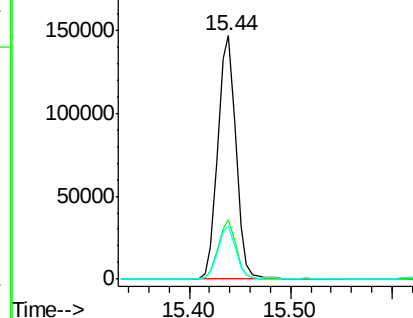
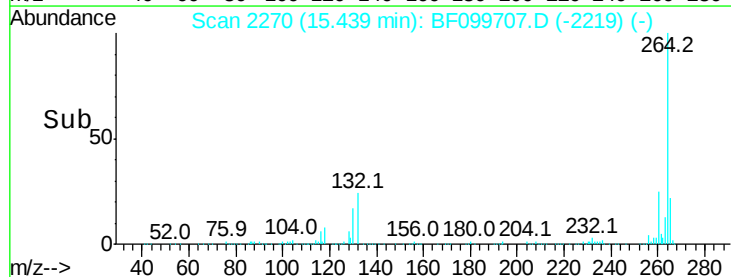


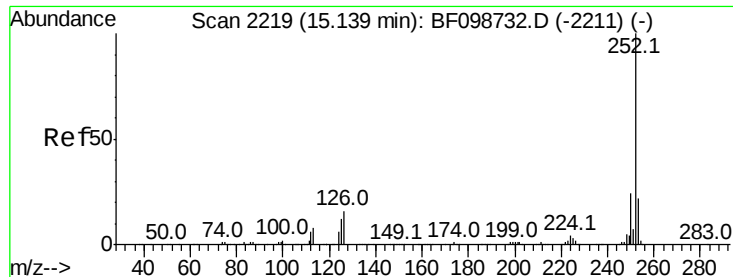
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: BF099707.D
 Acq: 20 Oct 2017 18:10

Tgt Ion:264 Resp: 182958
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 21.6 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





#87

Benzo(b)fluoranthene

Concen: 2.616 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BF099707.D

Acq: 20 Oct 2017 18:10

Instrument :

BNA_F

ClientSampleId :

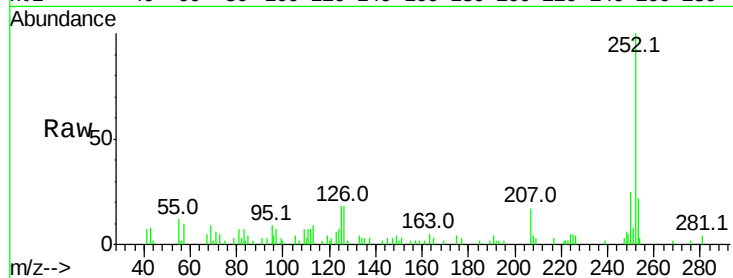
Tot Ion:252 Resp: 29424

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

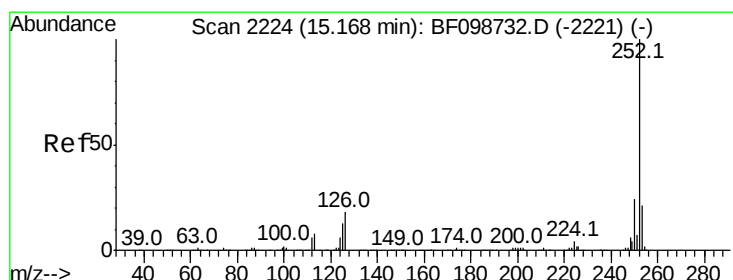
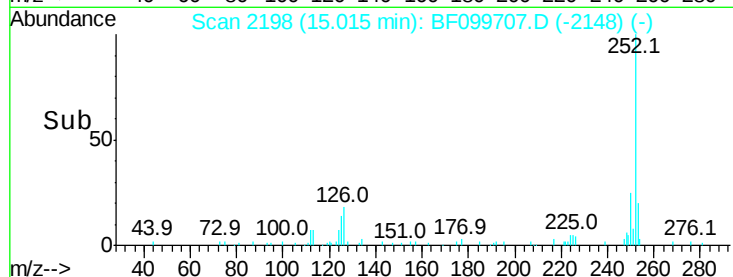
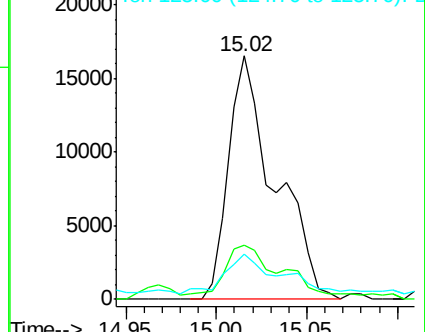
125 18.4 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.648 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.04 min

Lab File: BF099707.D

Acq: 20 Oct 2017 18:10

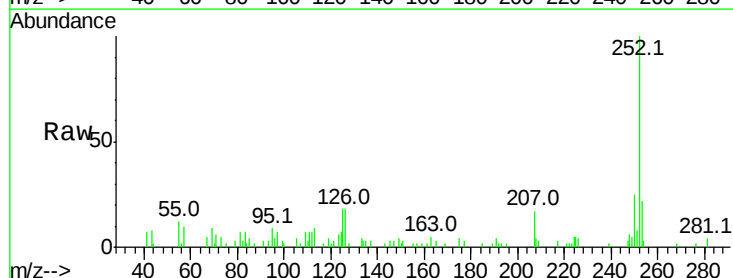
Tgt Ion:252 Resp: 29424

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

125 18.4 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

