

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
 Data File : BF099688.D
 Acq On : 20 Oct 2017 6:38
 Operator : SJ/JU
 Sample : I5927-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 12:55:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 19 19:55:56 2017
 Response via : Initial Calibration

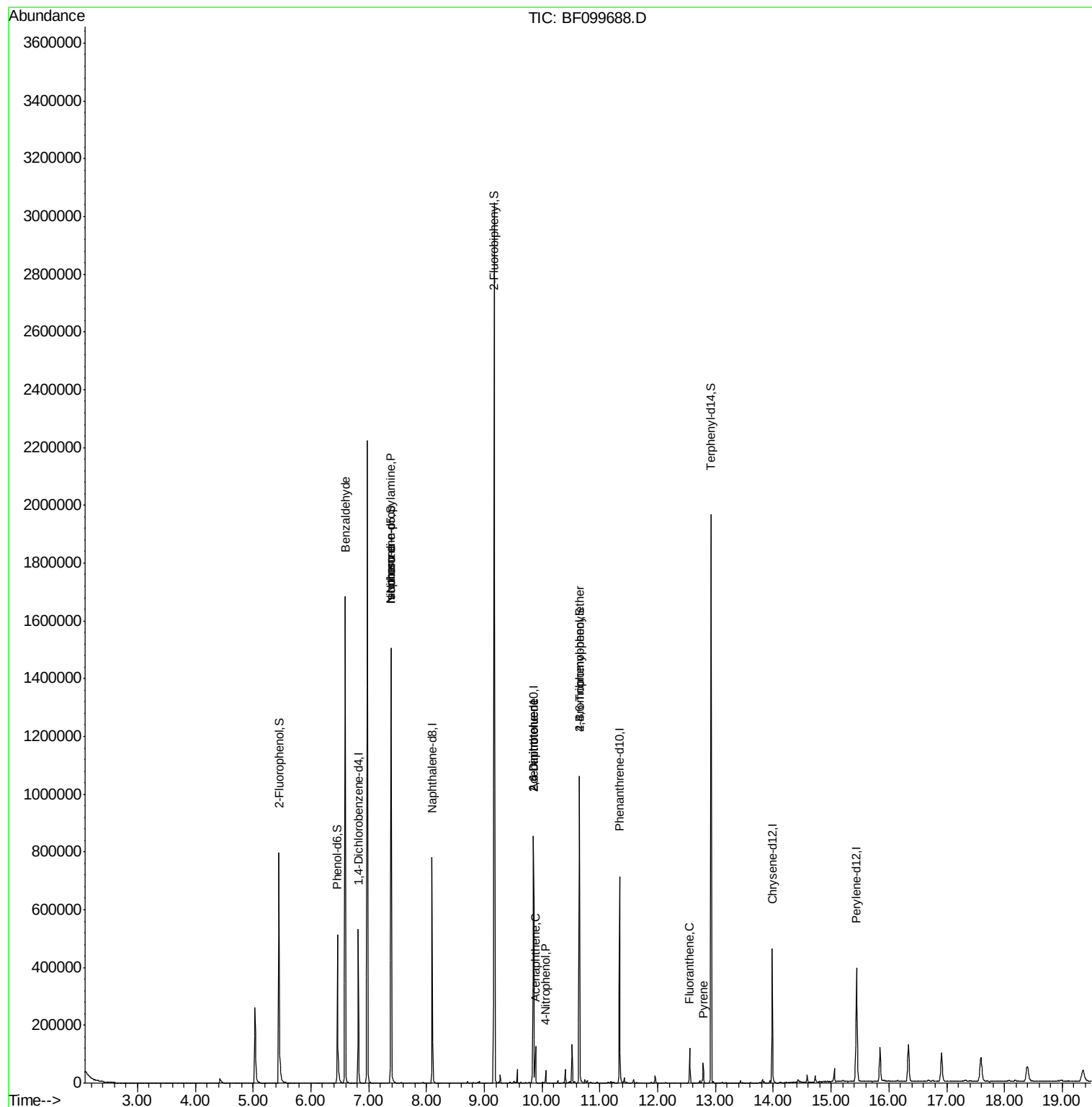
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	91554	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	372624	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	161978	20.00	ng	-0.02
63) Phenanthrene-d10	11.34	188	239069	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	156908	20.00	ng	-0.02
86) Perylene-d12	15.44	264	169124	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	269447	46.85	ng	0.00
7) Phenol-d6	6.46	99	202001	28.47	ng	-0.02
23) Nitrobenzene-d5	7.39	82	564315	97.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	119896	90.46	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	1071244	110.41	ng	-0.01
78) Terphenyl-d14	12.92	244	680299	98.60	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.59	77	8844	2.149	ng	92
19) n-Nitroso-di-n-propylamine	7.39	70	70837	15.638	ng	# 73
25) Isophorone	7.39	82	564311	46.975	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	21774	8.181	ng	# 24
51) Acenaphthene	9.89	154	27733	2.736	ng	98
55) 4-Nitrophenol	10.06	139	7353	2.802	ng	# 9
56) 2,4-Dinitrotoluene	9.85	165	21774	6.304	ng	# 22
66) 4-Bromophenyl-phenylether	10.65	248	8214	3.510	ng	# 1
74) Fluoranthene	12.56	202	45090	3.480	ng	96
77) Pyrene	12.79	202	28551	2.386	ng	98

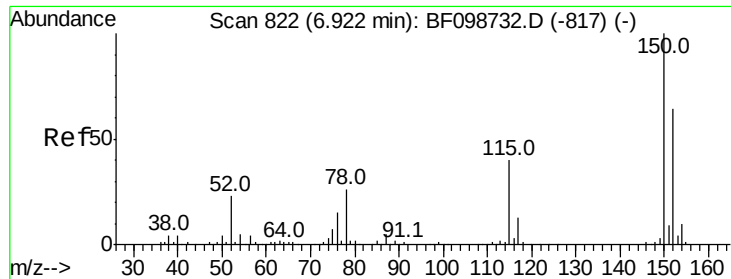
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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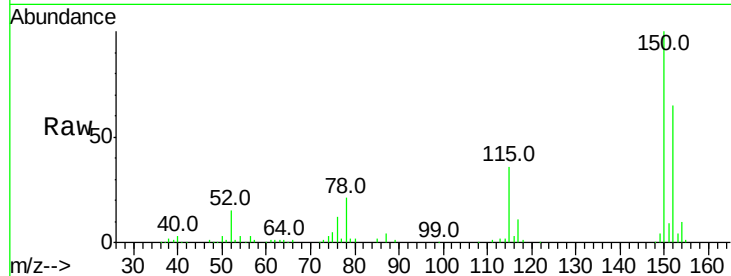


#1

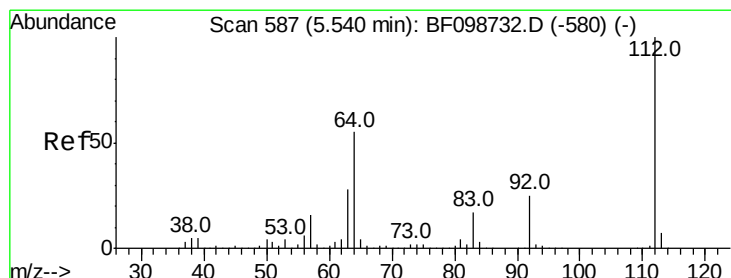
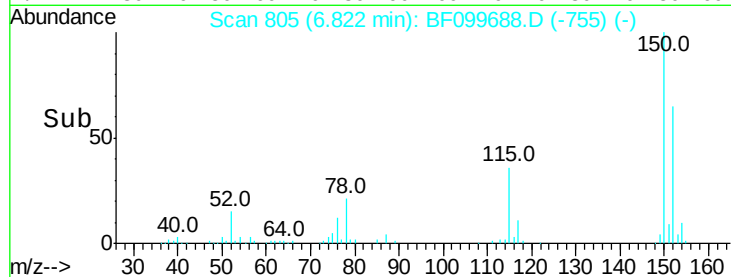
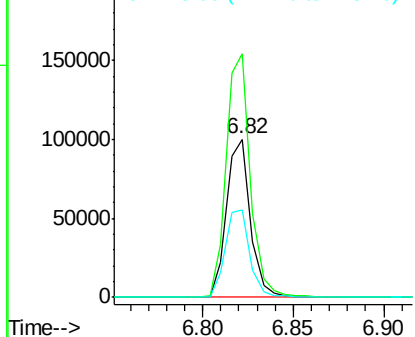
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF099688.D
Acq: 20 Oct 2017 6:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91554
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 55.4 50.1 75.1



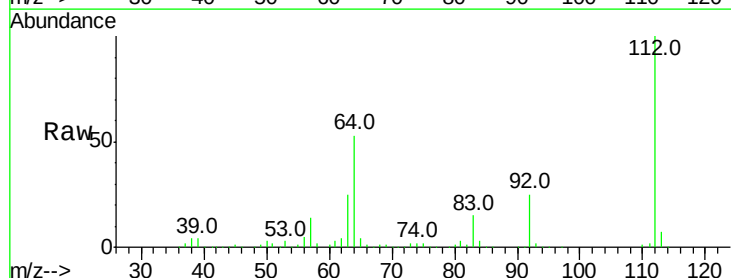
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



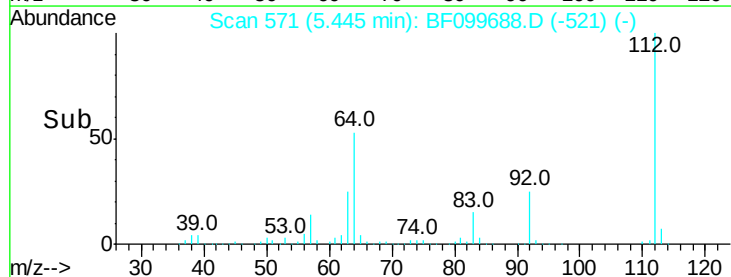
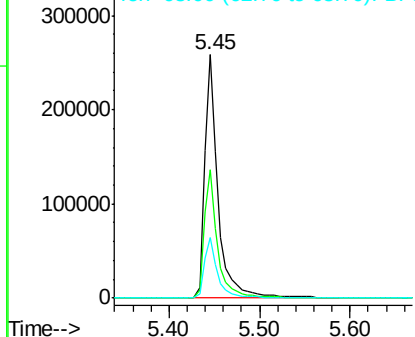
#5

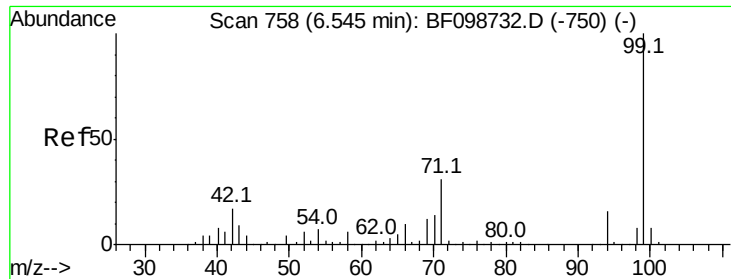
2-Fluorophenol
Concen: 46.850 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF099688.D
Acq: 20 Oct 2017 6:38

Tgt Ion:112 Resp: 269447
Ion Ratio Lower Upper
112 100
64 53.0 47.9 71.9
63 25.1 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: 28.472 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF099688.D

Acq: 20 Oct 2017 6:38

Instrument :

BNA_F

ClientSampleId :

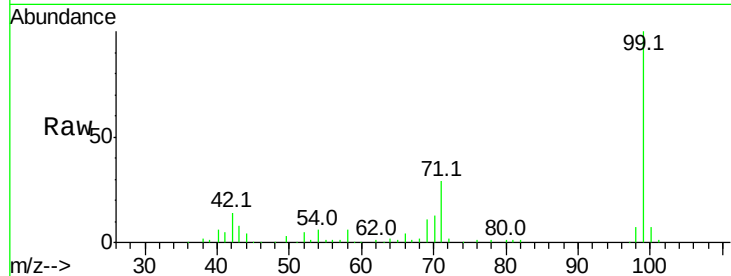
Tot Ion: 99 Resp: 202001

Ion Ratio Lower Upper

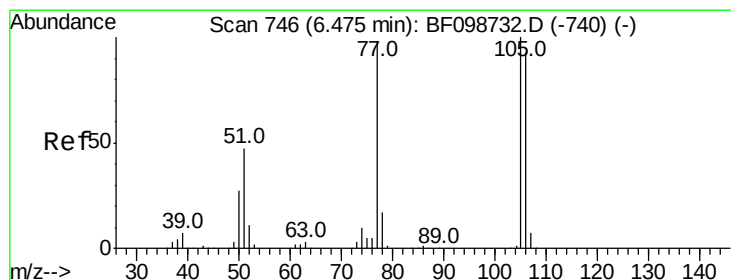
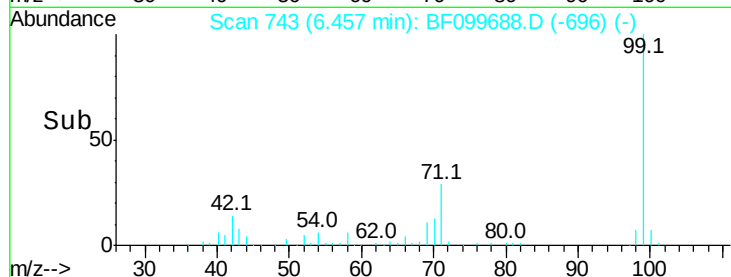
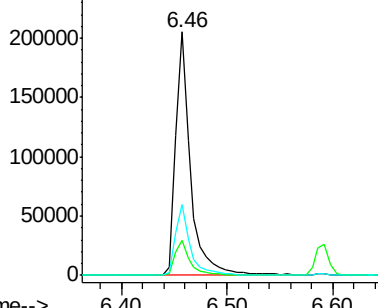
99 100

42 14.3 14.5 21.7#

71 28.9 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



#9

Benzaldehyde

Concen: 2.149 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.21 min

Lab File: BF099688.D

Acq: 20 Oct 2017 6:38

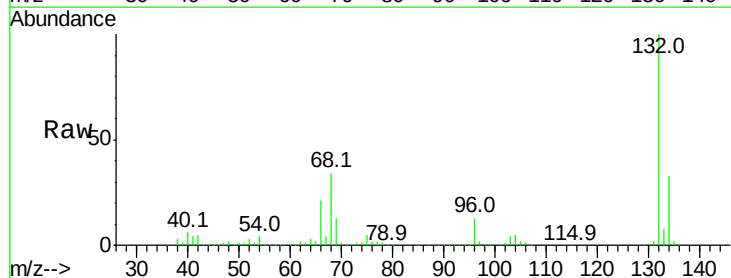
Tgt Ion: 77 Resp: 8844

Ion Ratio Lower Upper

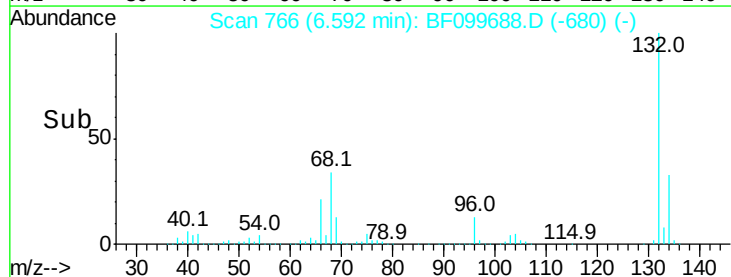
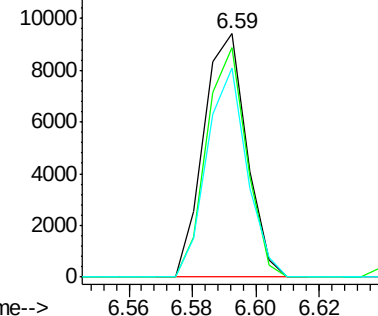
77 100

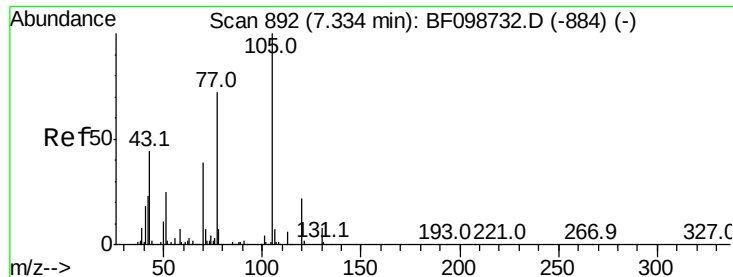
105 94.2 81.1 121.1

106 86.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

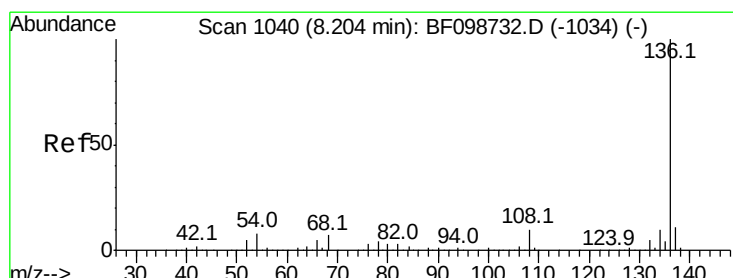
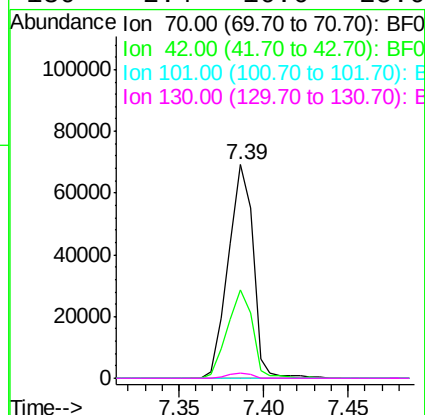
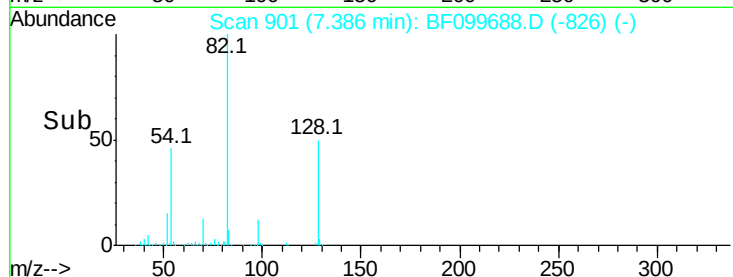
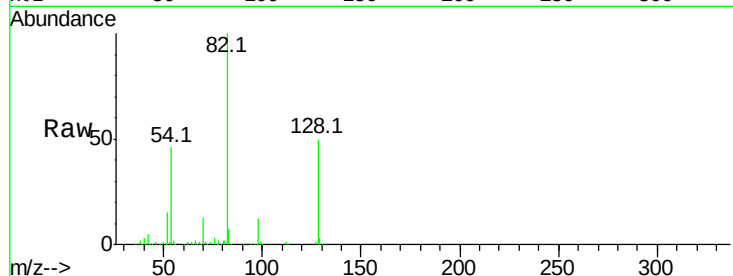




#19
n-Nitroso-di-n-propylamine
Concen: 15.638 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.14 min
Lab File: BF099688.D
Acq: 20 Oct 2017 6:38

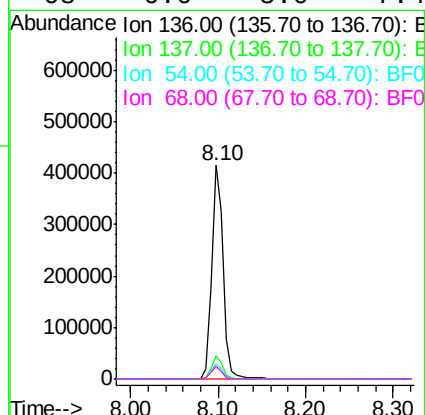
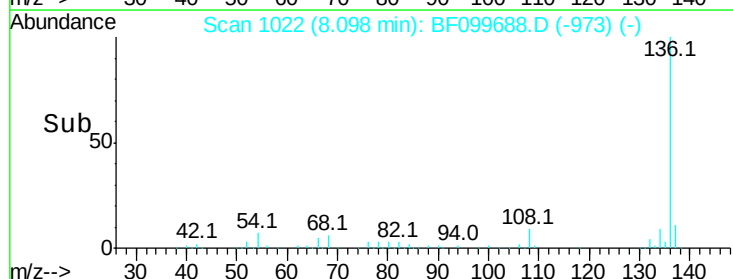
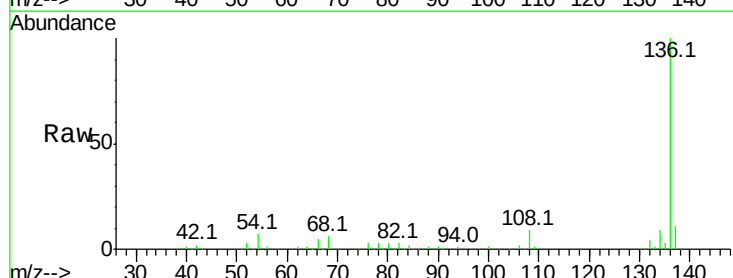
Instrument :
BNA_F
ClientSampled :

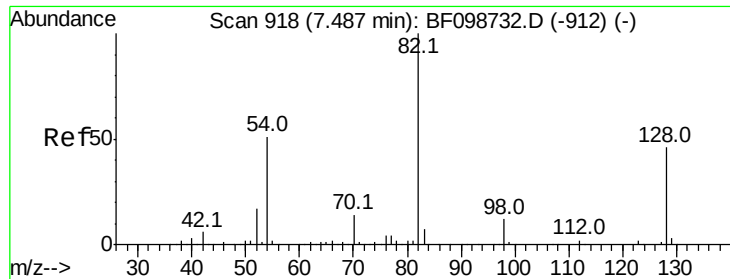
Tot Ion: 70 Resp: 70837
Ion Ratio Lower Upper
70 100
42 41.7 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF099688.D
Acq: 20 Oct 2017 6:38

Tgt Ion: 136 Resp: 372624
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.0 6.6 9.8
68 6.0 5.0 7.4

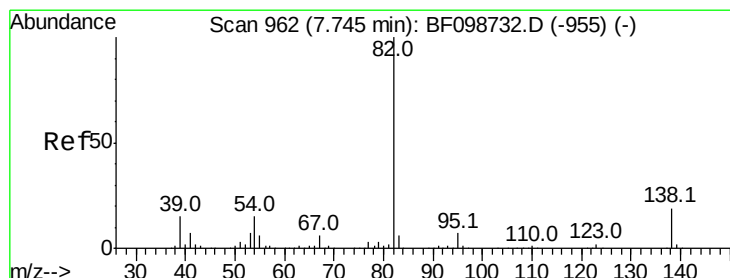
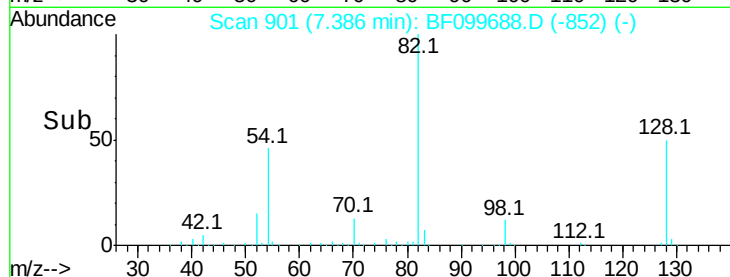
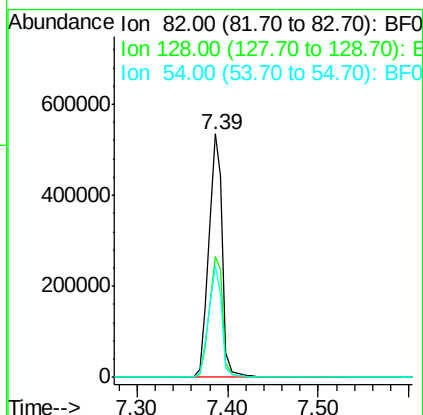
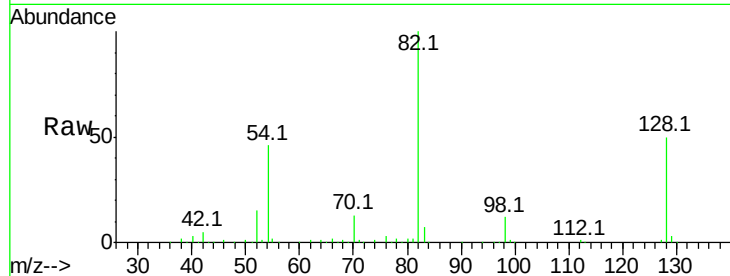




#23
 Nitrobenzene-d5
 Concen: 97.121 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF099688.D
 Acq: 20 Oct 2017 6:38

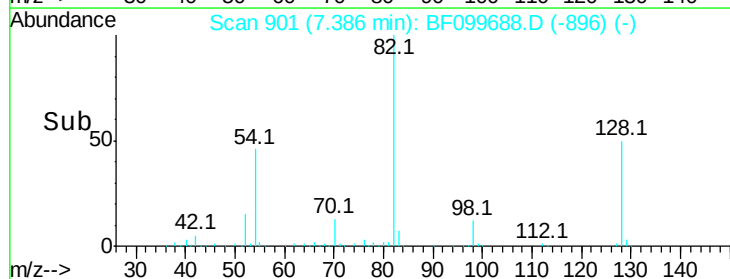
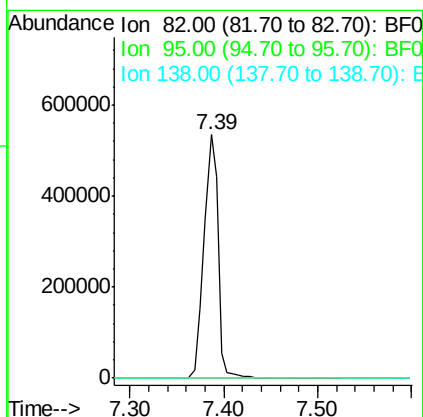
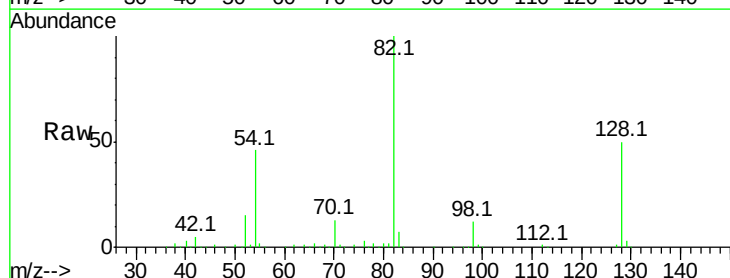
Instrument :
 BNA_F
 ClientSampleId :

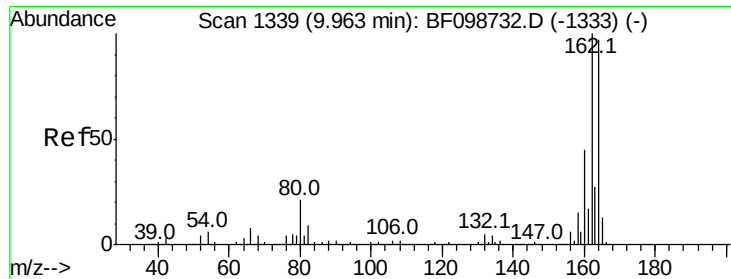
Tot Ion: 82 Resp: 564315
 Ion Ratio Lower Upper
 82 100
 128 49.6 36.1 54.1
 54 46.1 41.4 62.2



#25
 Isophorone
 Concen: 46.975 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.27 min
 Lab File: BF099688.D
 Acq: 20 Oct 2017 6:38

Tgt Ion: 82 Resp: 564311
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

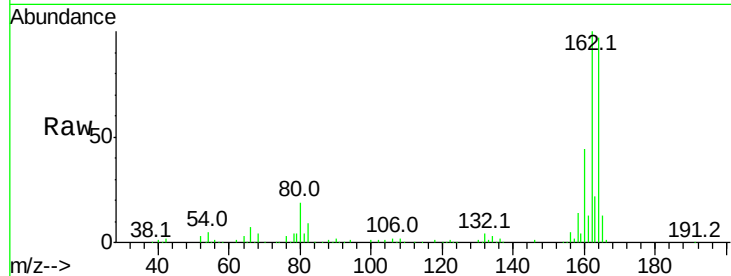




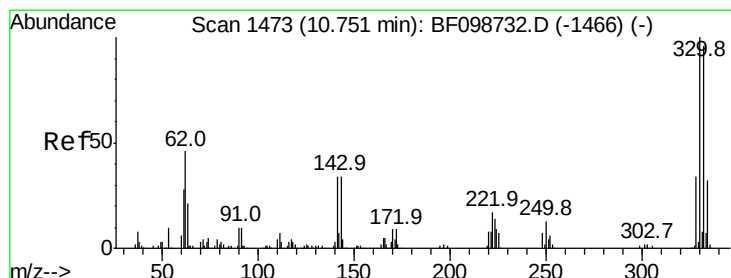
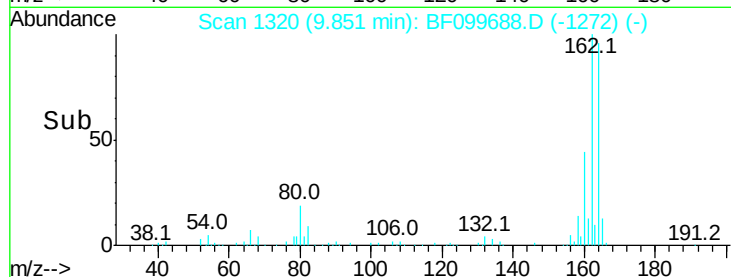
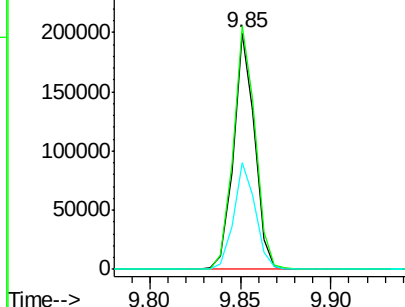
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: BF099688.D
 Acq: 20 Oct 2017 6:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 161978
 Ion Ratio Lower Upper
 164 100
 162 103.0 86.1 129.1
 160 45.3 38.3 57.5

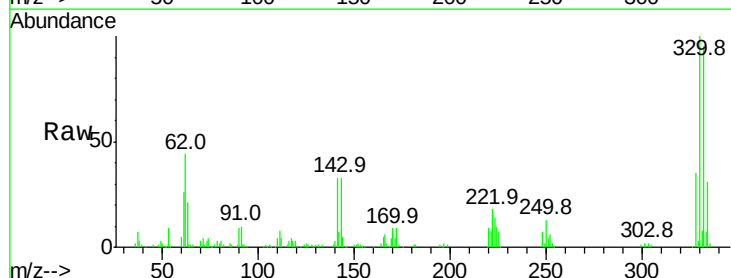


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

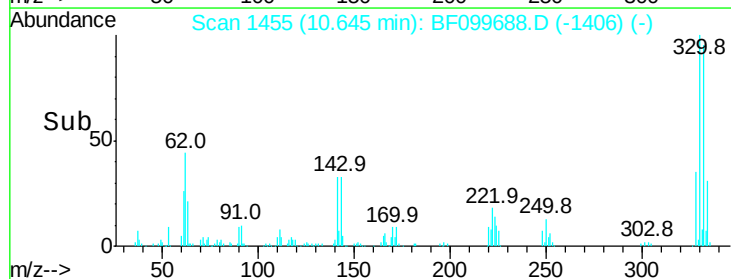
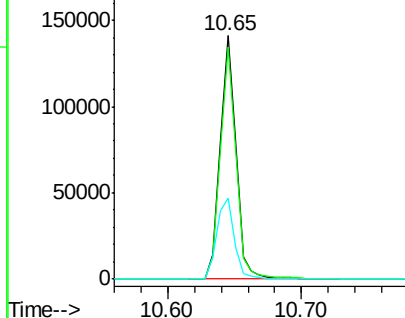


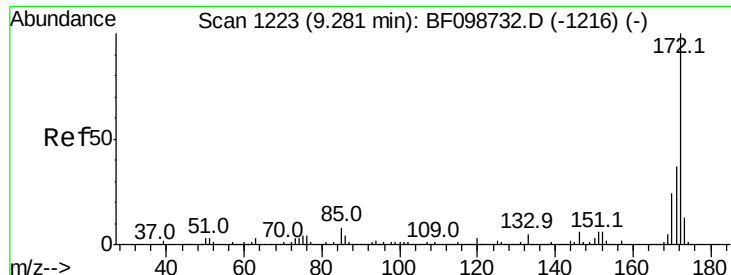
#41
 2,4,6-Tribromophenol
 Concen: 90.459 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF099688.D
 Acq: 20 Oct 2017 6:38

Tgt Ion:330 Resp: 119896
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 36.7 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



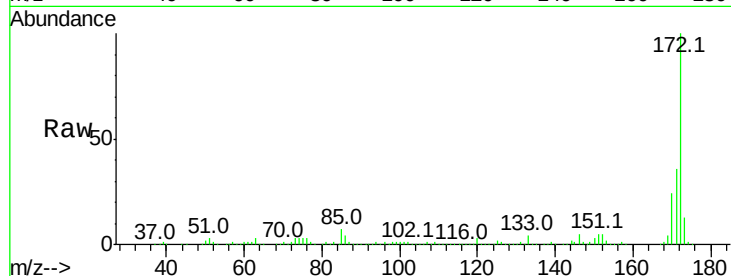


#44
 2-Fluorobiphenyl
 Concen: 110.407 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF099688.D
 Acq: 20 Oct 2017 6:38

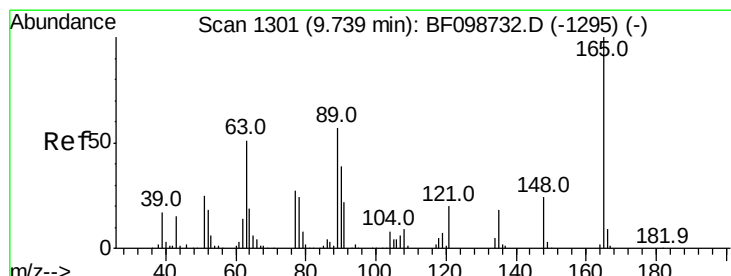
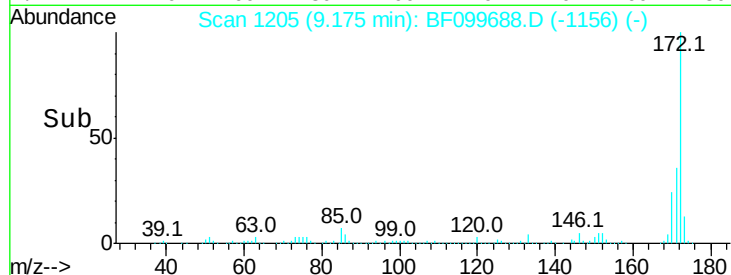
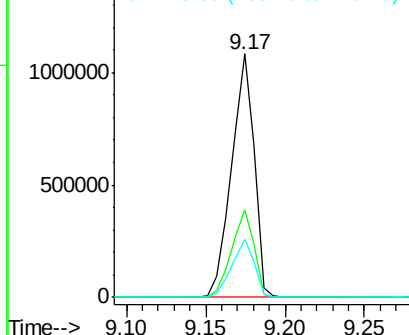
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1071244

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.6	19.6	29.4



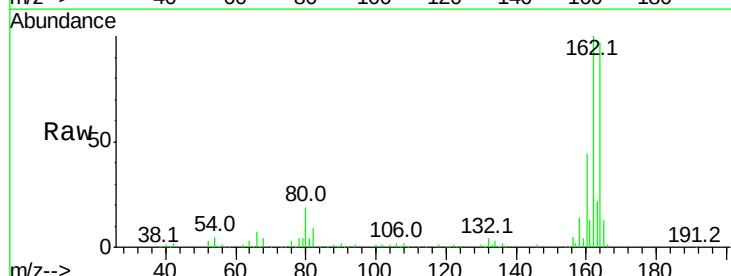
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



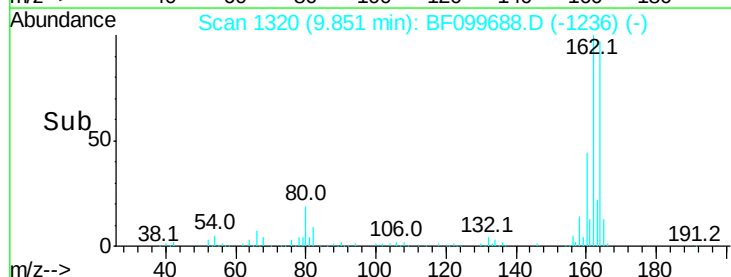
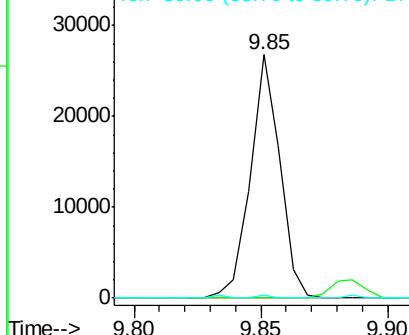
#50
 2,6-Dinitrotoluene
 Concen: 8.181 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.19 min
 Lab File: BF099688.D
 Acq: 20 Oct 2017 6:38

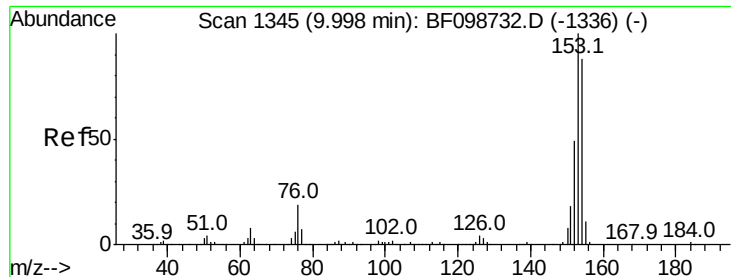
Tgt Ion:165 Resp: 21774

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.1	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





#51

Acenaphthene

Concen: 2.736 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.02 min

Lab File: BF099688.D

Acq: 20 Oct 2017 6:38

Instrument :

BNA_F

ClientSampled :

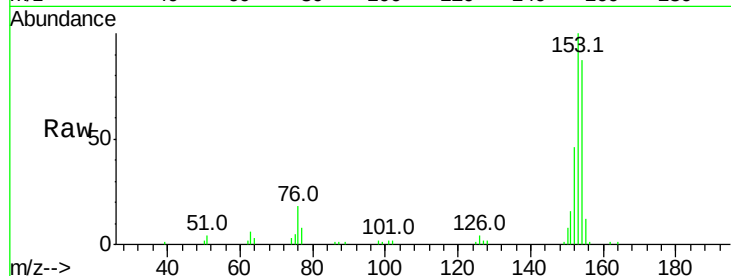
Tot Ion:154 Resp: 27733

Ion Ratio Lower Upper

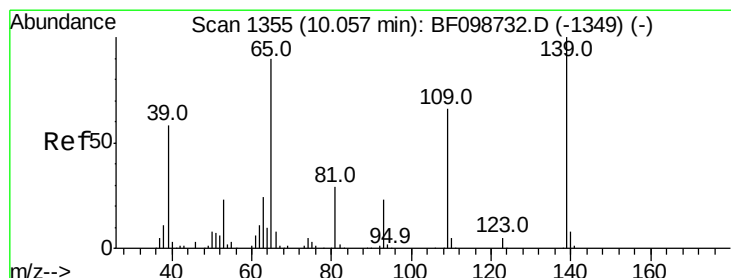
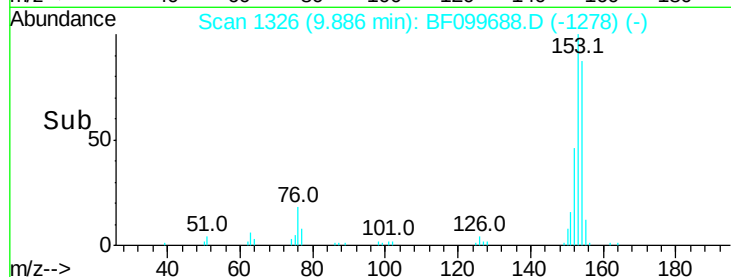
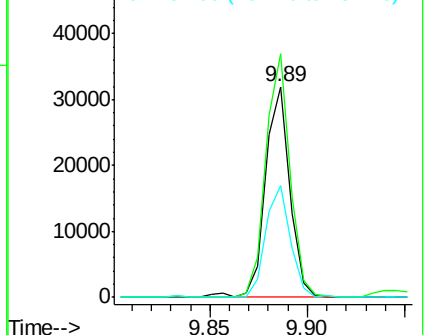
154 100

153 115.5 91.2 136.8

152 53.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 2.802 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.06 min

Lab File: BF099688.D

Acq: 20 Oct 2017 6:38

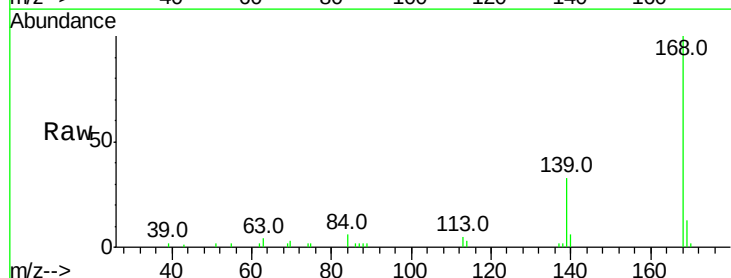
Tgt Ion:139 Resp: 7353

Ion Ratio Lower Upper

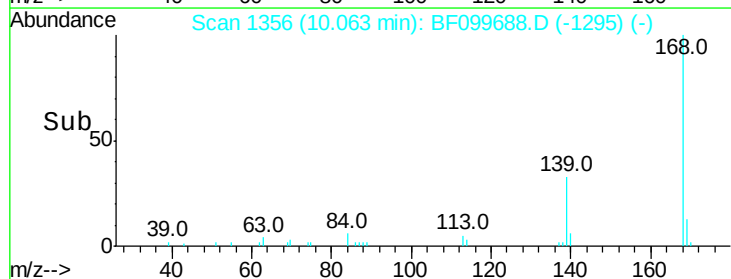
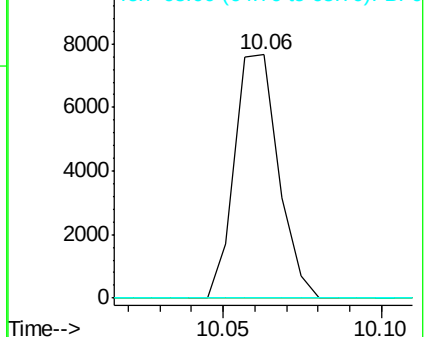
139 100

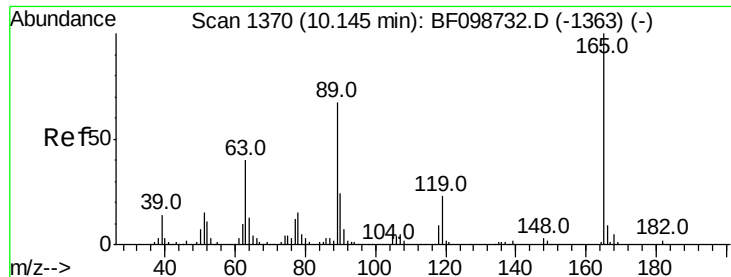
109 0.0 48.4 88.4#

65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.304 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.22 min

Lab File: BF099688.D

Acq: 20 Oct 2017 6:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 21774

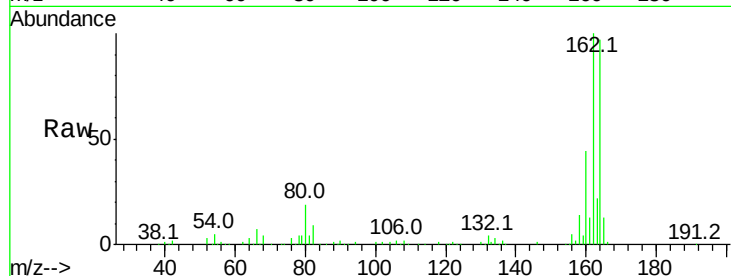
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

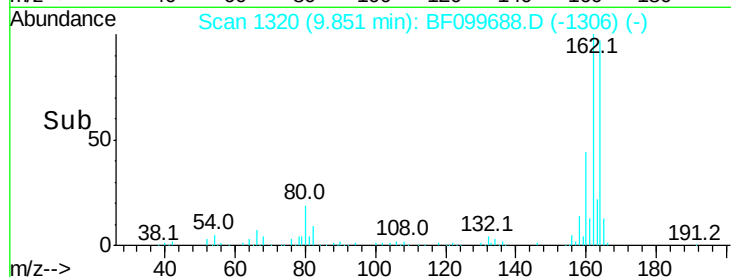


Abundance Ion 165.00 (164.70 to 165.70): E

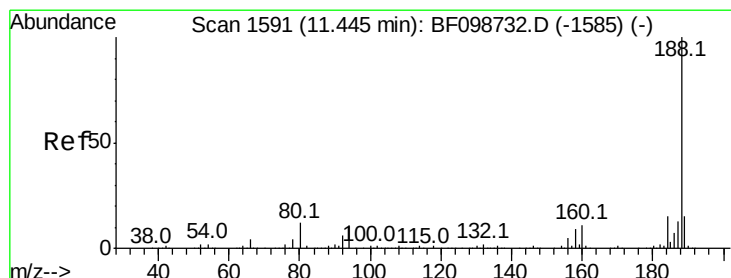
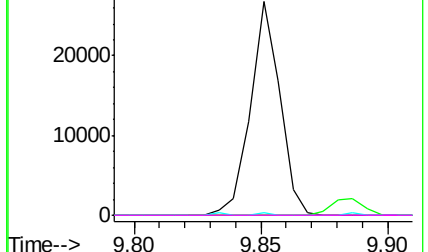
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF099688.D

Acq: 20 Oct 2017 6:38

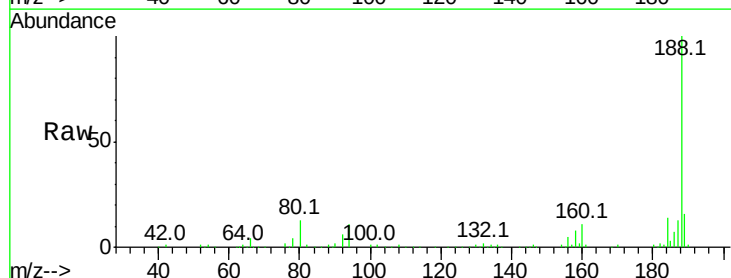
Tgt Ion:188 Resp: 239069

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

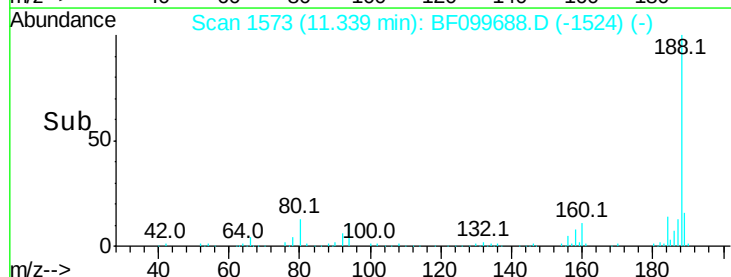
80 12.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

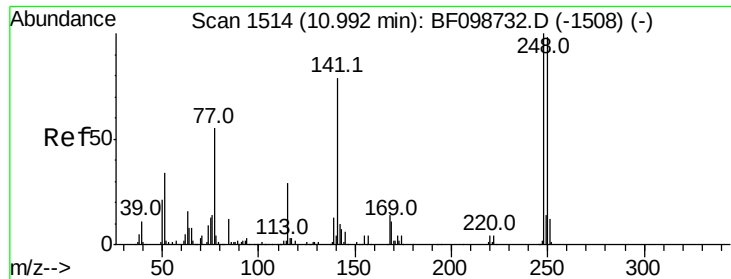
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->

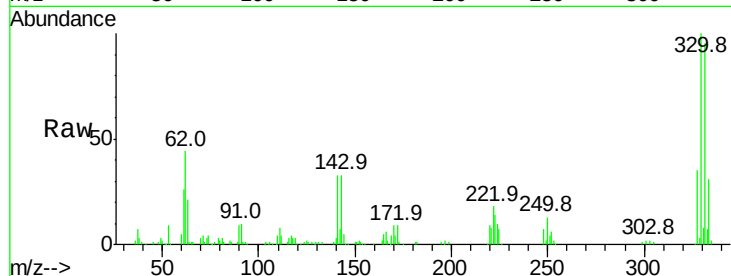




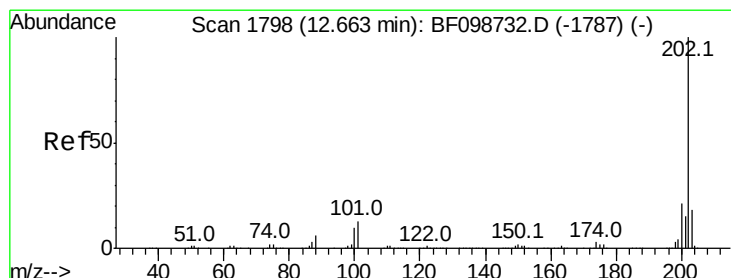
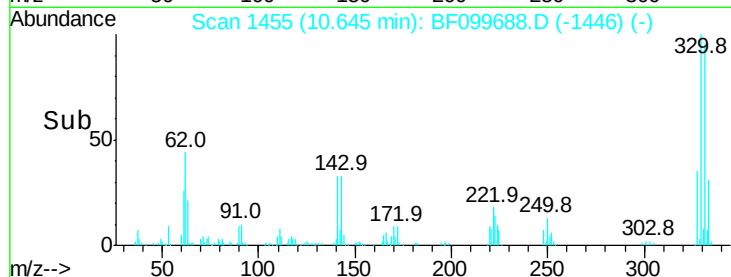
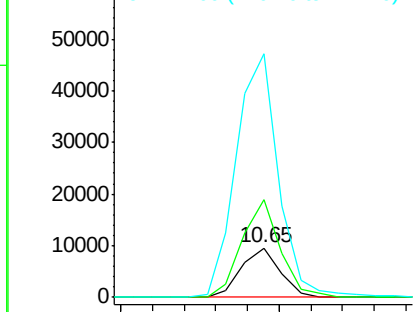
#66
4-Bromophenyl-phenylether
Concen: 3.510 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.25 min
Lab File: BF099688.D
Acq: 20 Oct 2017 6:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8214
Ion Ratio Lower Upper
248 100
250 197.5 76.9 115.3#
141 492.2 74.4 111.6#

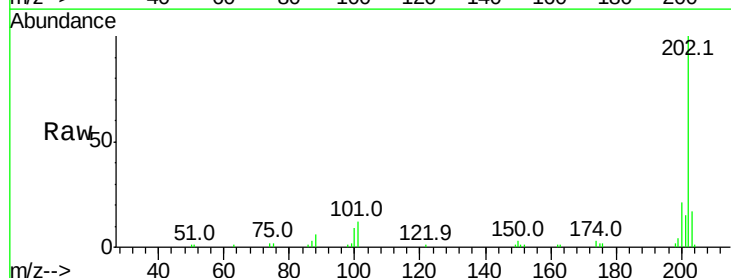


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

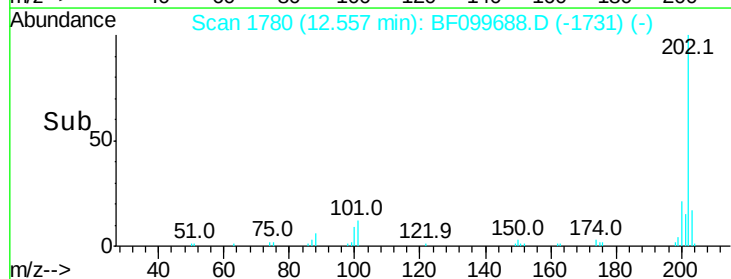
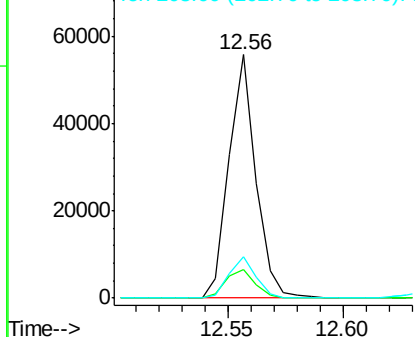


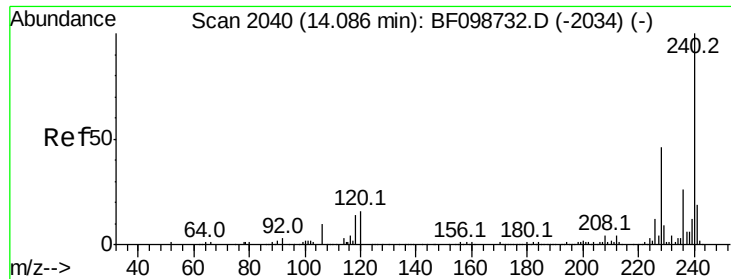
#74
Fluoranthene
Concen: 3.480 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BF099688.D
Acq: 20 Oct 2017 6:38

Tgt Ion:202 Resp: 45090
Ion Ratio Lower Upper
202 100
101 11.8 0.0 34.1
203 16.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.02 min

Lab File: BF099688.D

Acq: 20 Oct 2017 6:38

Instrument :

BNA_F

ClientSampleId :

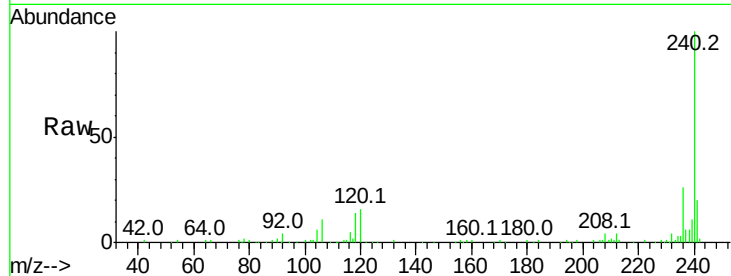
Tot Ion:240 Resp: 156908

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

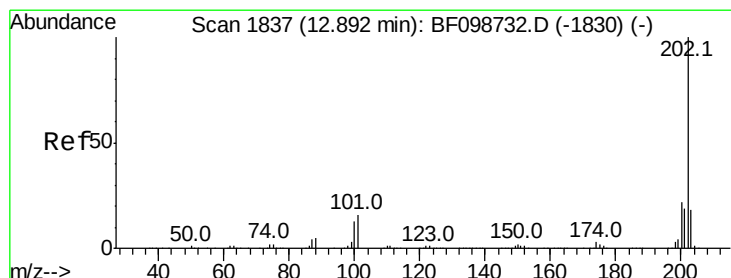
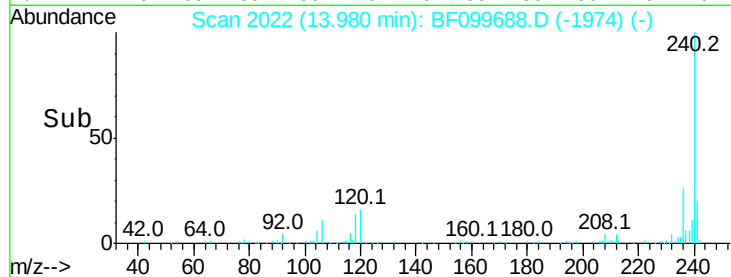
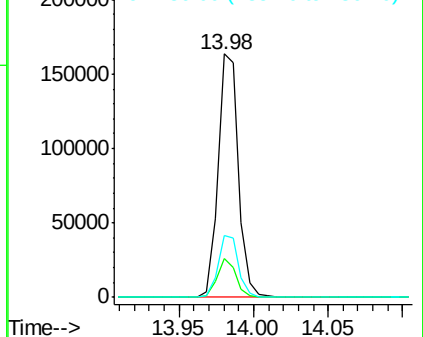
236 25.7 20.7 31.1



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: 2.386 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF099688.D

Acq: 20 Oct 2017 6:38

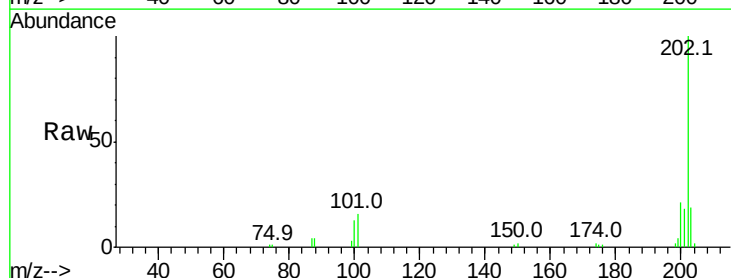
Tgt Ion:202 Resp: 28551

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

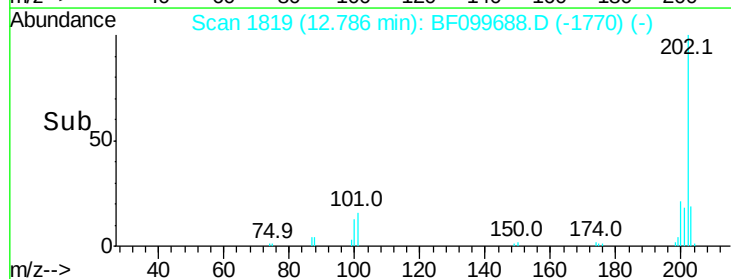
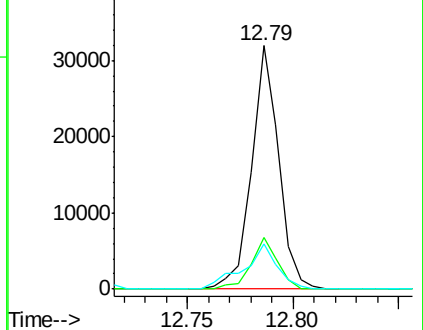
203 18.8 14.3 21.5

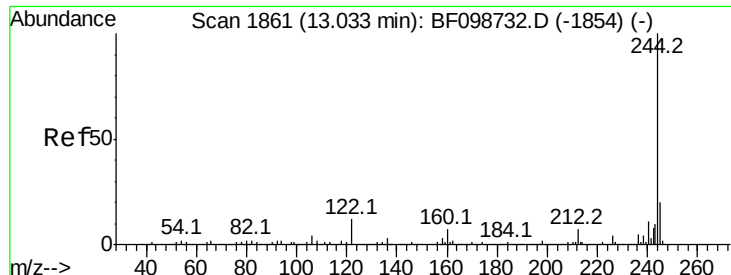


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

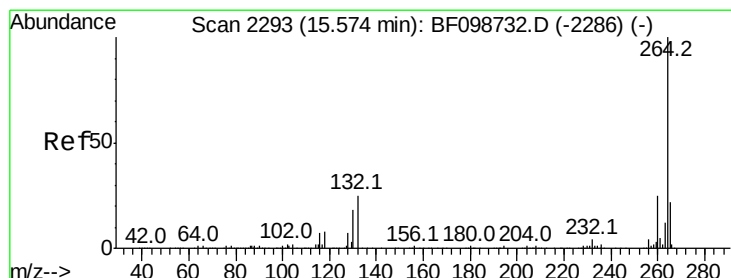
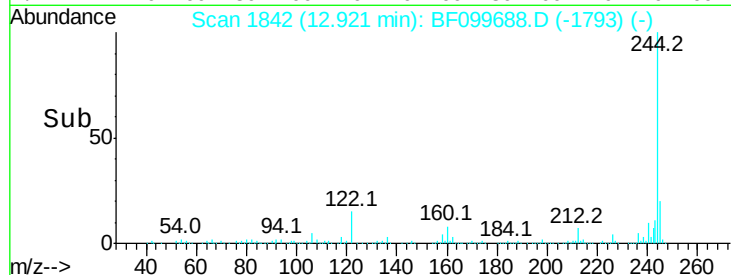
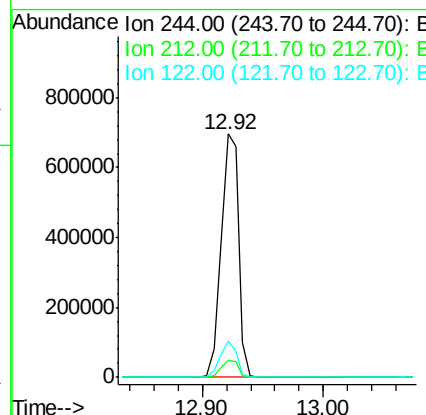
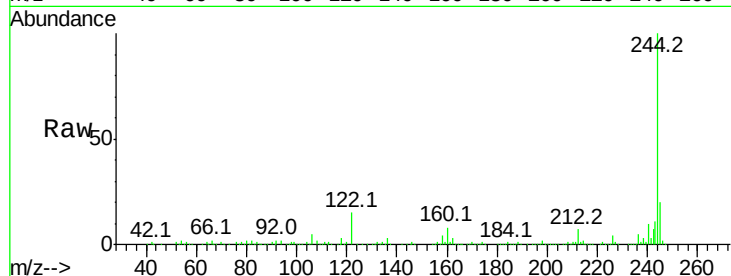




#78
 Terphenyl-d14
 Concen: 98.602 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF099688.D
 Acq: 20 Oct 2017 6:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 680299
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 14.7 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF099688.D
 Acq: 20 Oct 2017 6:38

Tgt Ion:264 Resp: 169124
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.7 17.5 26.3

