

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098667.D
 Acq On : 20 Sep 2017 18:32
 Operator : SJ/JU
 Sample : I5281-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 05:21:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

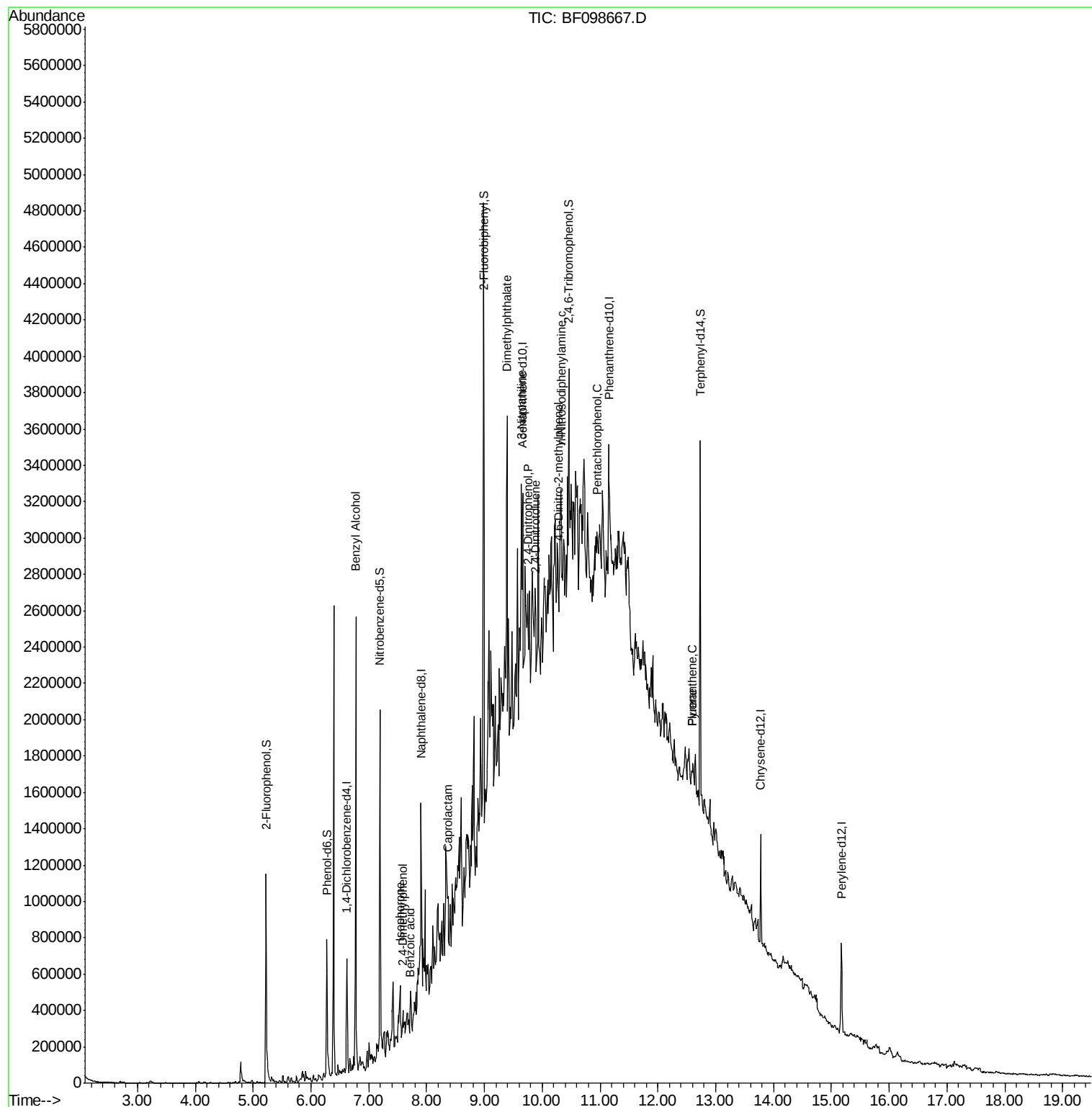
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	93262	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	369736	20.00	ng	-0.02
38) Acenaphthene-d10	9.66	164	156322	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	242371	20.00	ng	0.00
75) Chrysene-d12	13.78	240	193198	20.00	ng	0.00
86) Perylene-d12	15.17	264	201728	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	360610	57.17	ng	-0.02
7) Phenol-d6	6.27	99	294180	36.73	ng	-0.02
23) Nitrobenzene-d5	7.19	82	598613	90.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	146712	140.62	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	1101075	119.38	ng	-0.01
78) Terphenyl-d14	12.73	244	674053	75.31	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.77	79	12325	2.31	ng	# 41
25) Isophorone	7.54	82	30935	2.31	ng	# 1
27) 2,4-Dimethylphenol	7.59	122	11942	2.05	ng	86
32) Benzoic acid	7.70	122	5139	9.07	ng	# 35
35) Caprolactam	8.37	113	6246	3.75	ng	# 1
49) Dimethylphthalate	9.39	163	36911	3.05	ng	# 89
52) 3-Nitroaniline	9.65	138	8665	2.89	ng	# 26
53) 2,4-Dinitrophenol	9.76	184	915	9.22	ng	# 1
56) 2,4-Dinitrotoluene	9.89	165	8374	2.77	ng	# 66
64) 4,6-Dinitro-2-methylphenol	10.28	198	1127	5.64	ng	# 1
65) n-Nitrosodiphenylamine	10.33	169	30129	3.83	ng	# 49
69) Pentachlorophenol	10.96	266	344	7.24	ng	# 39
74) Fluoranthene	12.59	202	32728	2.54	ng	82
77) Pyrene	12.59	202	33172	2.18	ng	# 89

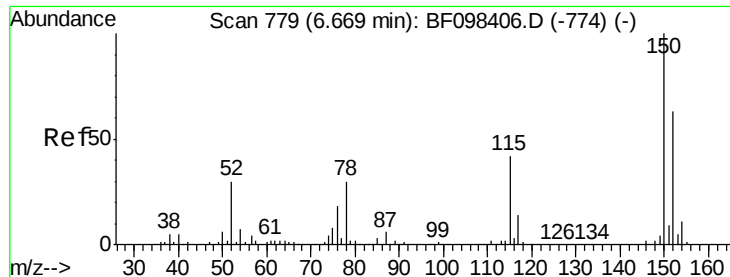
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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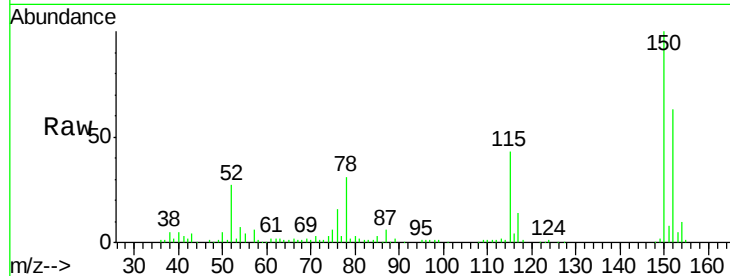


#1

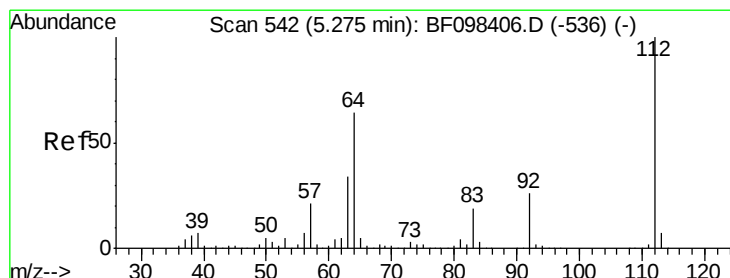
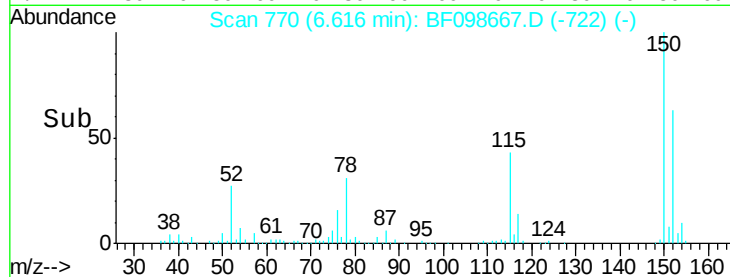
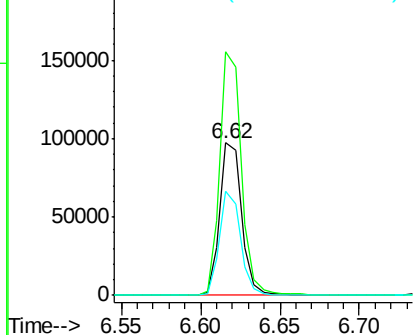
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF098667.D
Acq: 20 Sep 2017 18:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93262
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.2
115 68.0 52.2 78.2



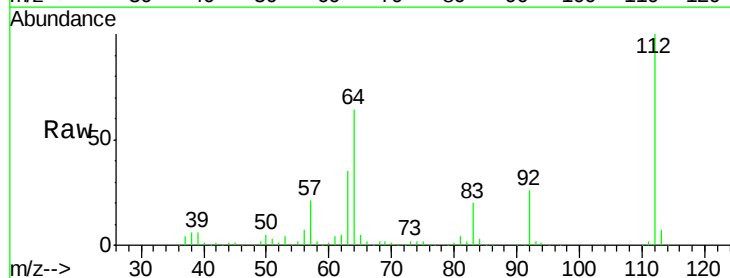
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



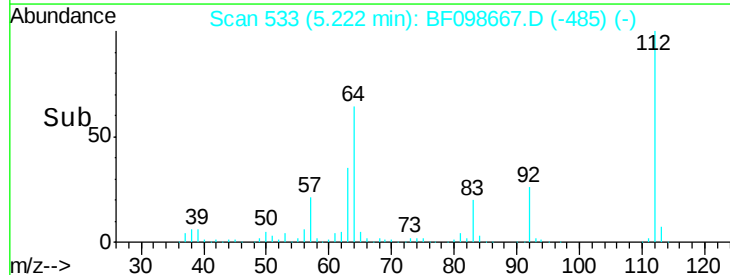
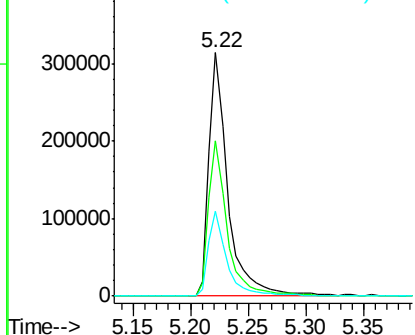
#5

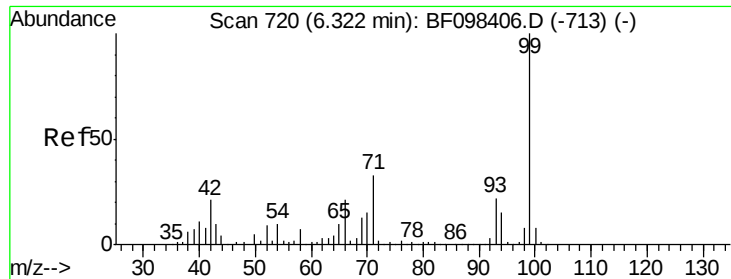
2-Fluorophenol
Concen: 57.17 ng
RT: 5.22 min Scan# 533
Delta R.T. -0.02 min
Lab File: BF098667.D
Acq: 20 Sep 2017 18:32

Tgt Ion:112 Resp: 360610
Ion Ratio Lower Upper
112 100
64 63.6 46.0 69.0
63 34.8 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: 36.73 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

Instrument :

BNA_F

ClientSampleId :

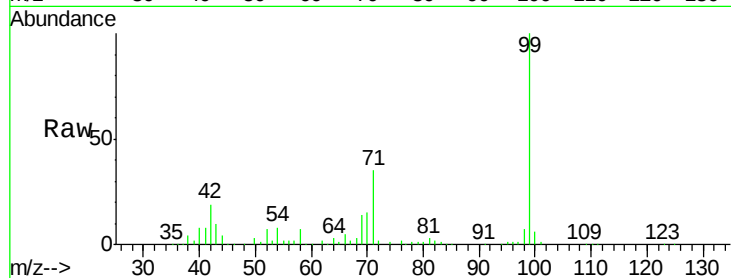
Tot Ion: 99 Resp: 294180

Ion Ratio Lower Upper

99 100

42 19.2 13.5 20.3

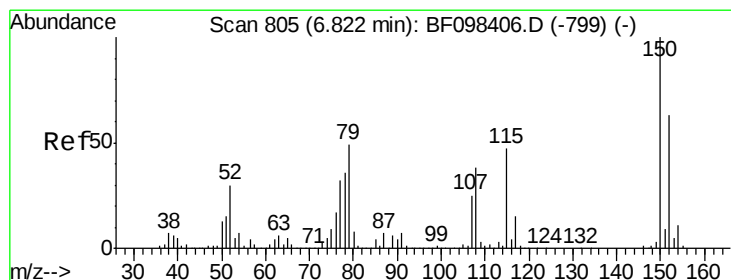
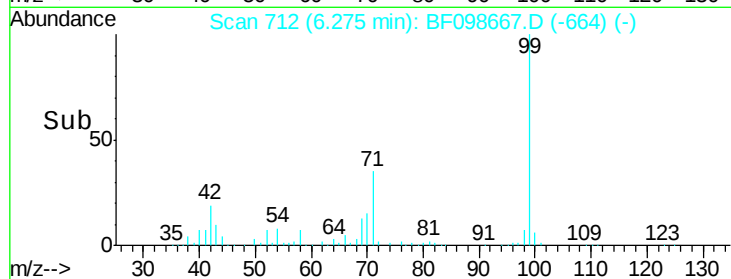
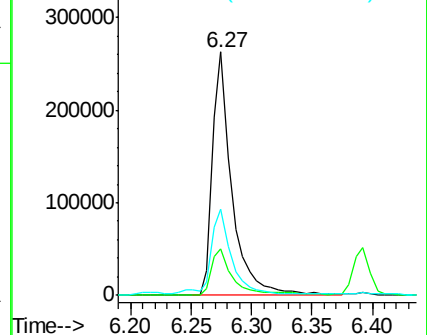
71 35.4 24.5 36.7



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



#15

Benzyl Alcohol

Concen: 2.31 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.02 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

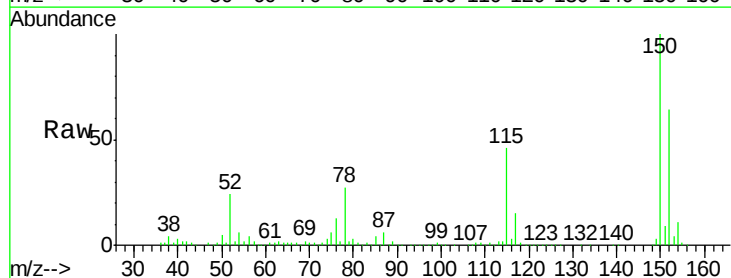
Tgt Ion: 79 Resp: 12325

Ion Ratio Lower Upper

79 100

108 27.0 63.4 95.0#

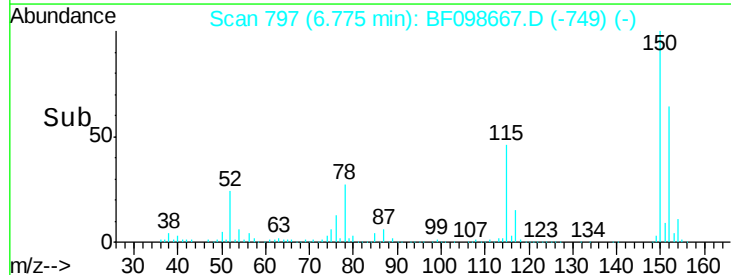
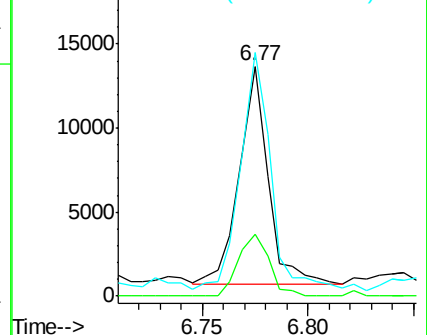
77 105.8 49.2 73.8#

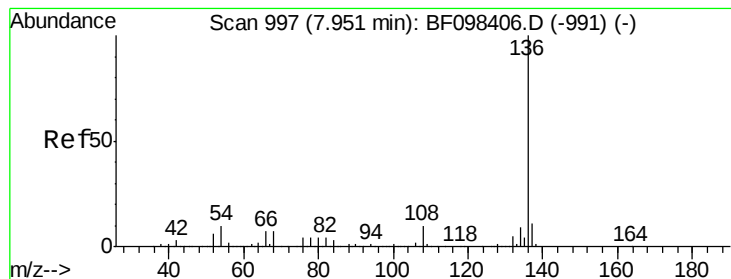


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 369736

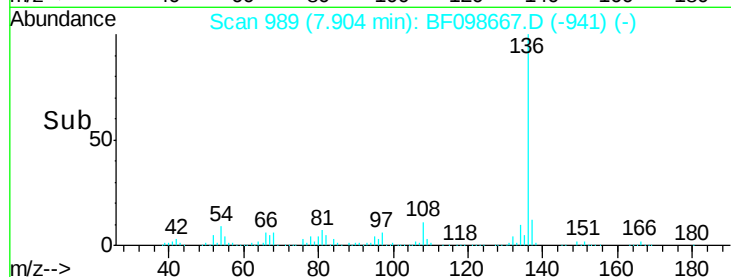
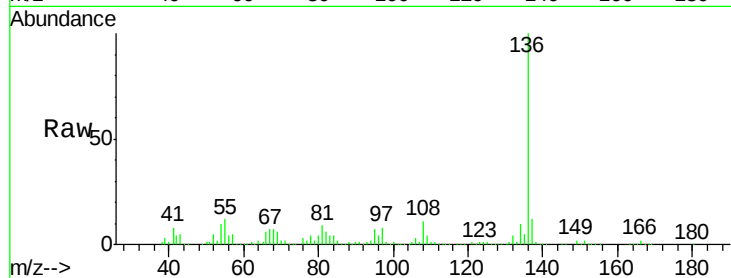
Ion Ratio Lower Upper

136 100

137 11.9 8.5 12.7

54 9.7 4.9 7.3#

68 6.7 4.1 6.1#

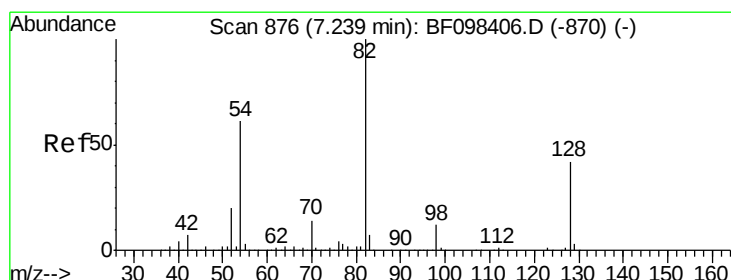
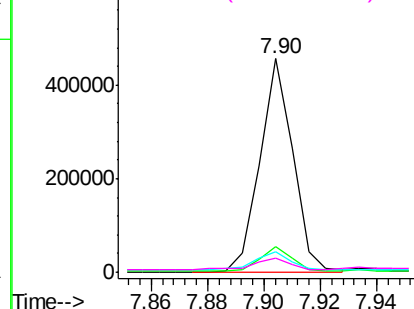


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.26 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.02 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

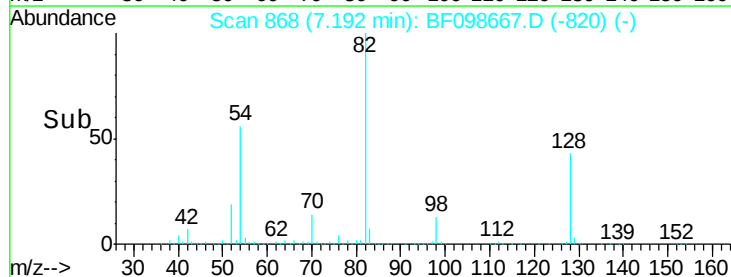
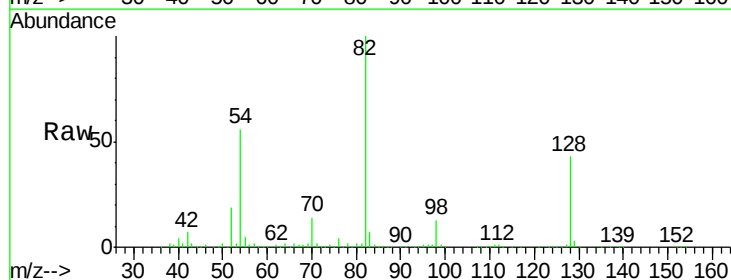
Tgt Ion: 82 Resp: 598613

Ion Ratio Lower Upper

82 100

128 42.8 34.0 51.0

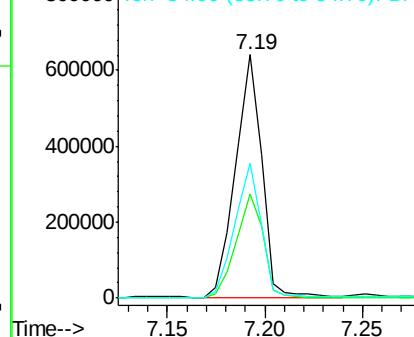
54 55.6 42.2 63.2

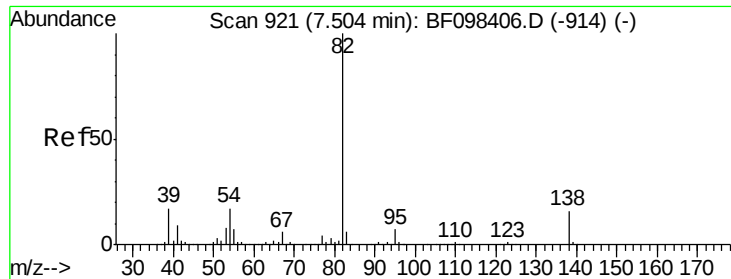


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

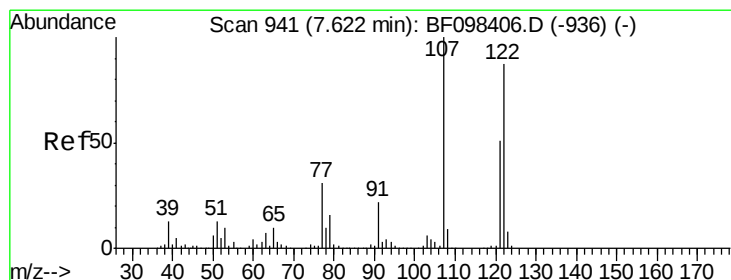
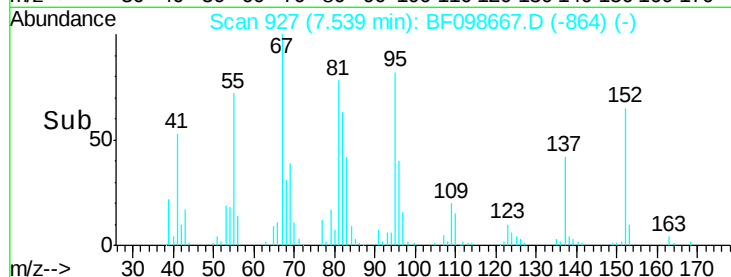
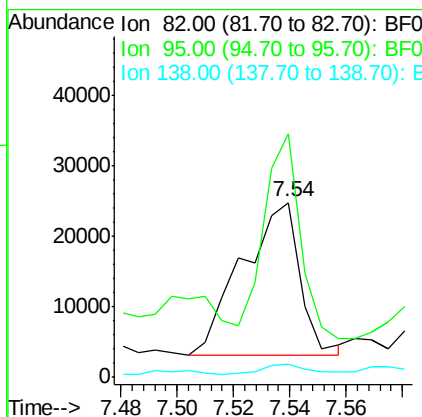
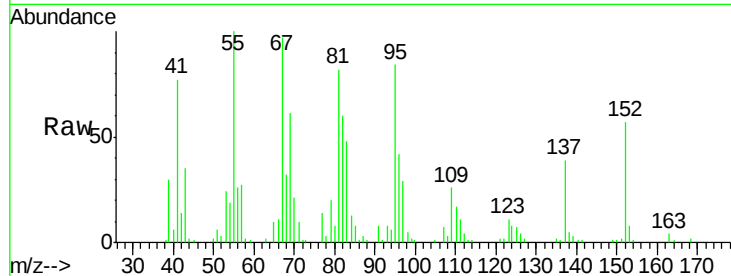




#25
Isophorone
Concen: 2.31 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.07 min
Lab File: BF098667.D
Acq: 20 Sep 2017 18:32

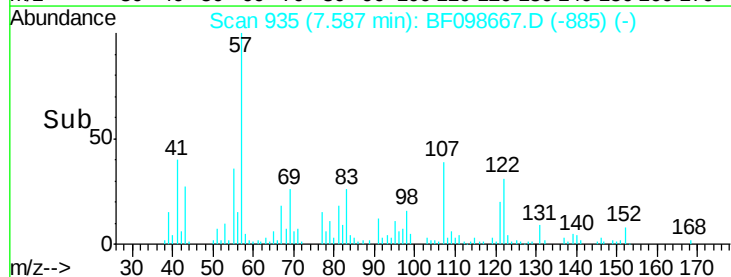
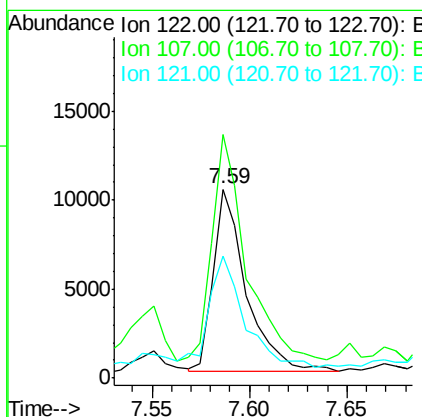
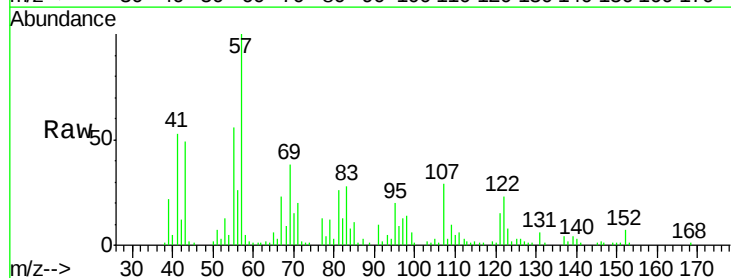
Instrument :
BNA_F
ClientSampleId :

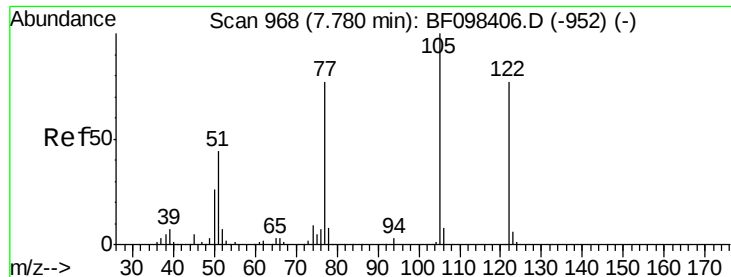
Tot Ion: 82 Resp: 30935
Ion Ratio Lower Upper
82 100
95 139.1 5.3 7.9#
138 7.6 13.1 19.7#



#27
2,4-Dimethylphenol
Concen: 2.05 ng
RT: 7.59 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF098667.D
Acq: 20 Sep 2017 18:32

Tgt Ion:122 Resp: 11942
Ion Ratio Lower Upper
122 100
107 128.7 89.2 133.8
121 64.4 45.2 67.8





#32

Benzoic acid

Concen: 9.07 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.05 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

Instrument :

BNA_F

ClientSampled :

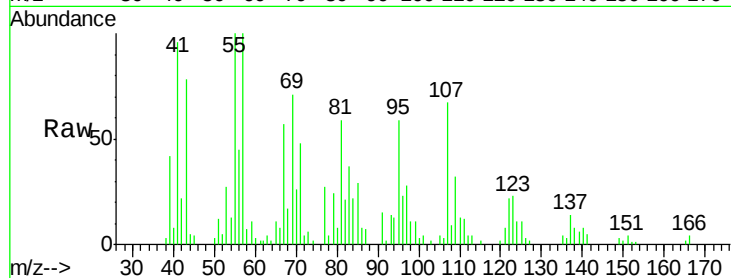
Tot Ion:122 Resp: 5139

Ion Ratio Lower Upper

122 100

105 20.0 103.3 143.3#

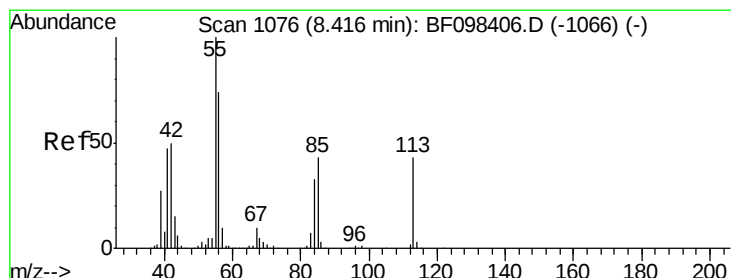
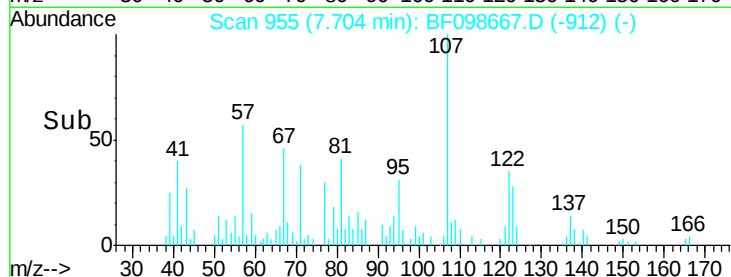
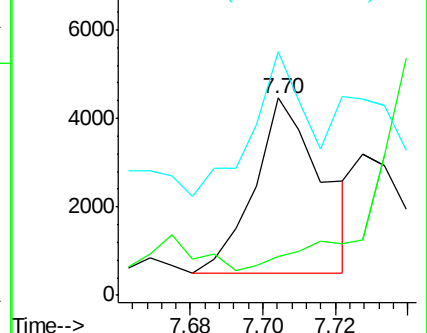
77 123.5 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#35

Caprolactam

Concen: 3.75 ng

RT: 8.37 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

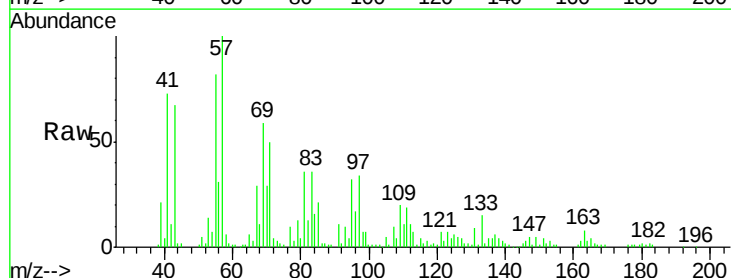
Tgt Ion:113 Resp: 6246

Ion Ratio Lower Upper

113 100

55 1098.1 150.2 190.2#

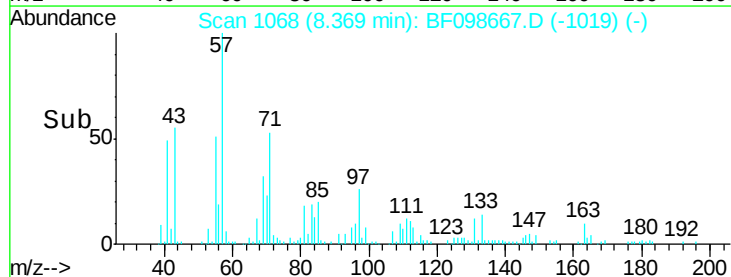
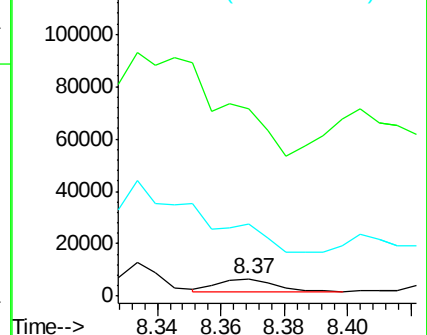
56 419.1 107.8 147.8#

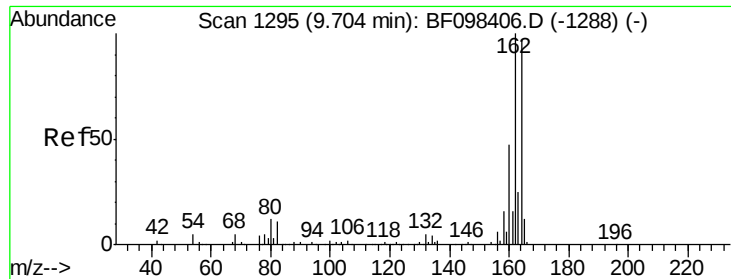


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

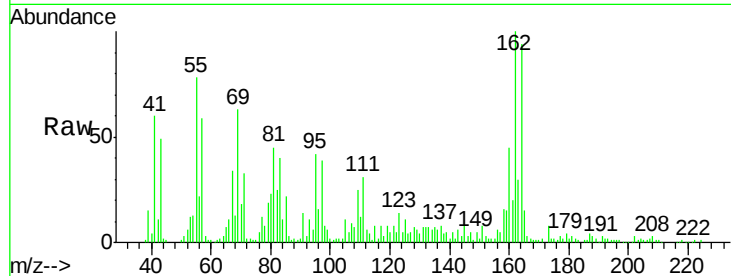




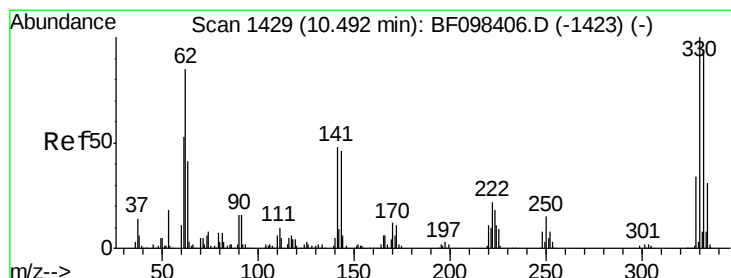
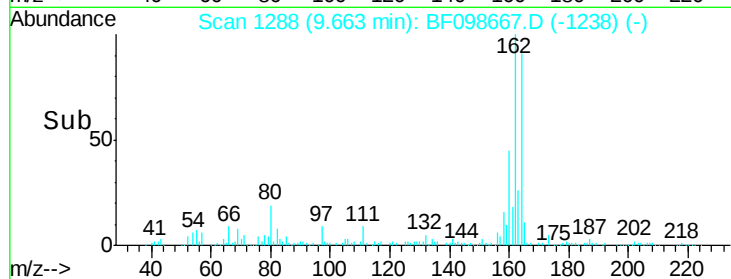
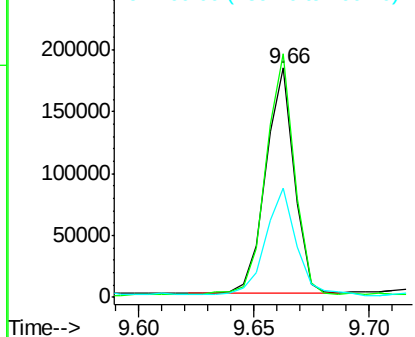
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: BF098667.D
 Acq: 20 Sep 2017 18:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 156322
 Ion Ratio Lower Upper
 164 100
 162 106.2 82.6 123.8
 160 47.9 36.2 54.2

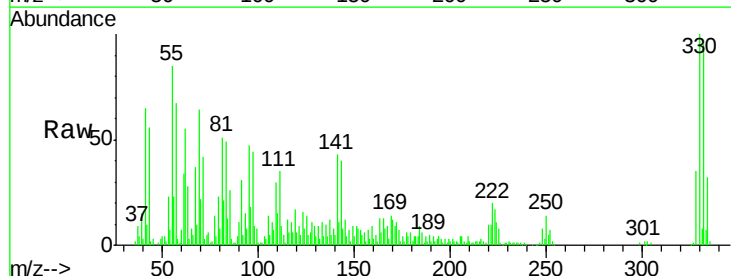


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

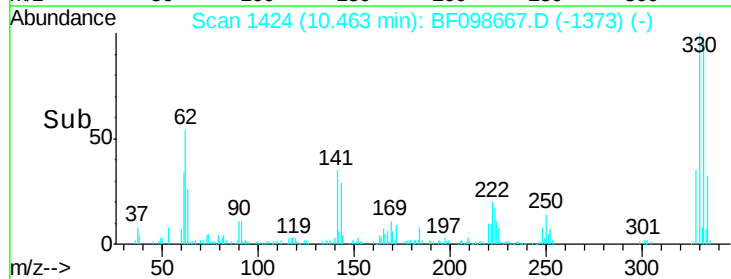
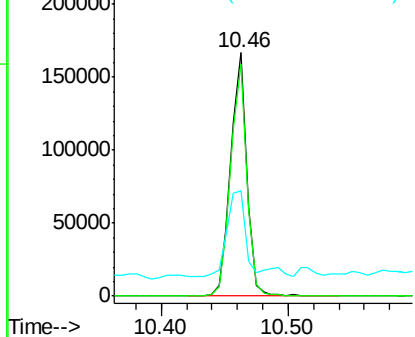


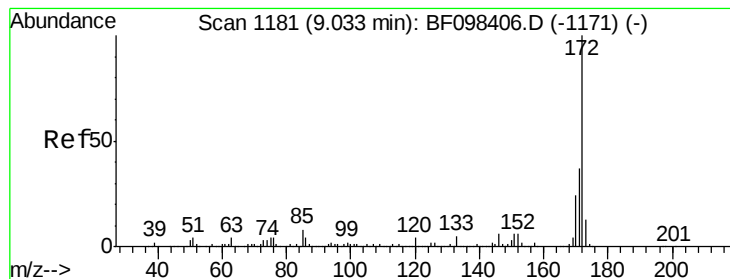
#41
 2,4,6-Tribromophenol
 Concen: 140.62 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: BF098667.D
 Acq: 20 Sep 2017 18:32

Tgt Ion:330 Resp: 146712
 Ion Ratio Lower Upper
 330 100
 332 95.6 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

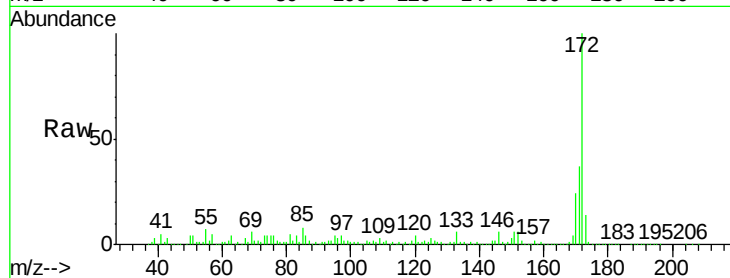




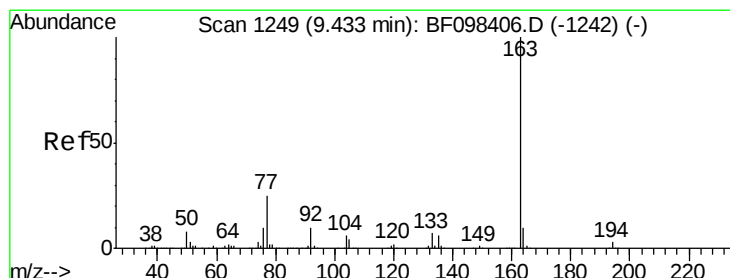
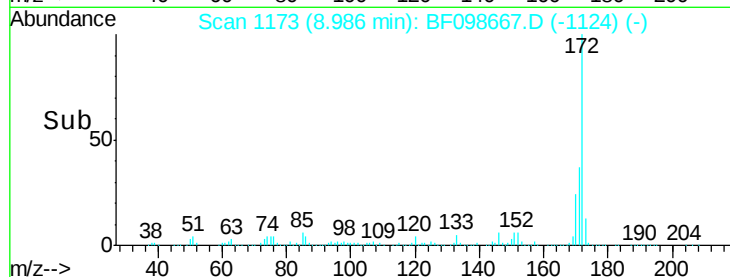
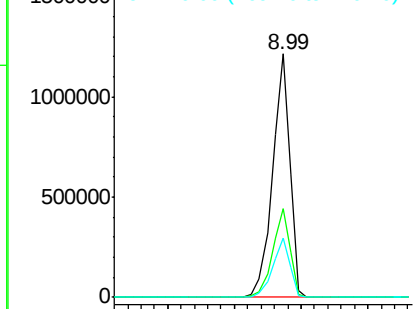
#44
 2-Fluorobiphenyl
 Concen: 119.38 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF098667.D
 Acq: 20 Sep 2017 18:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1101075
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.3 19.8 29.8

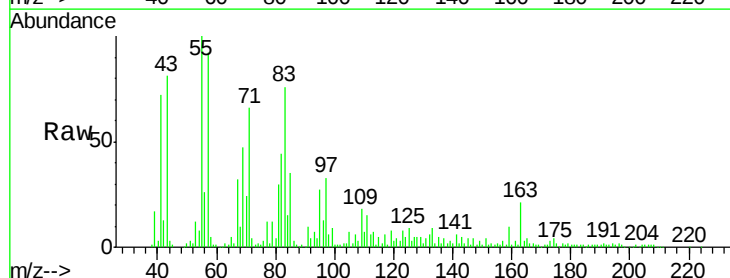


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

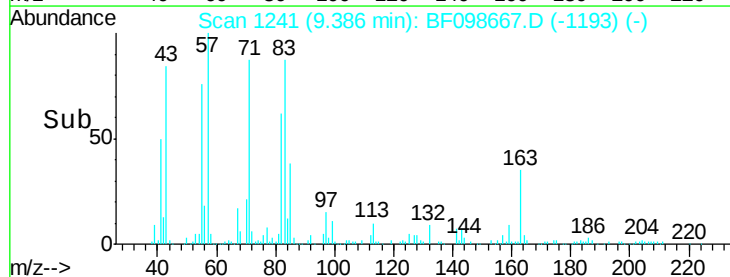
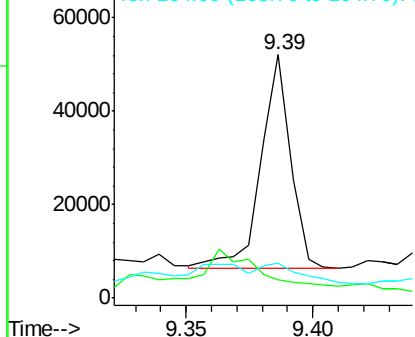


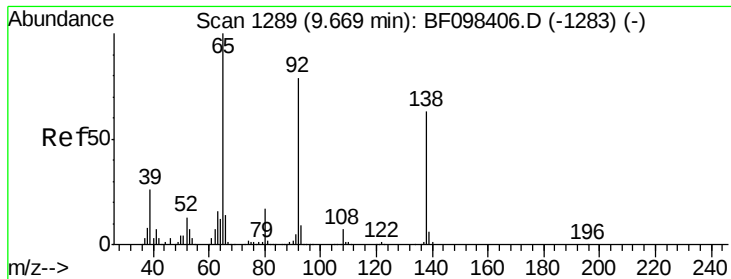
#49
 Dimethylphthalate
 Concen: 3.05 ng
 RT: 9.39 min Scan# 1241
 Delta R.T. -0.02 min
 Lab File: BF098667.D
 Acq: 20 Sep 2017 18:32

Tgt Ion:163 Resp: 36911
 Ion Ratio Lower Upper
 163 100
 194 7.4 2.6 4.0#
 164 14.4 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





#52

3-Nitroaniline

Concen: 2.89 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

Instrument :

BNA_F

ClientSampled :

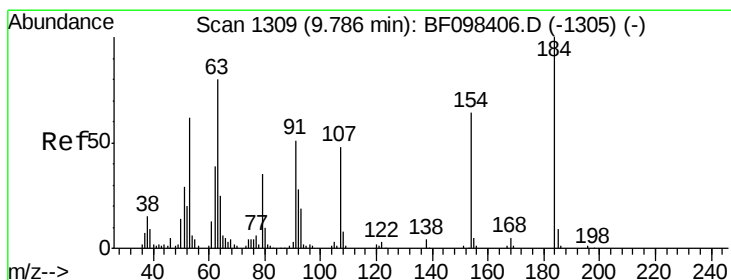
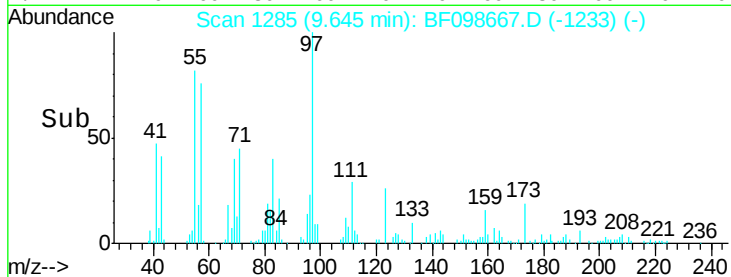
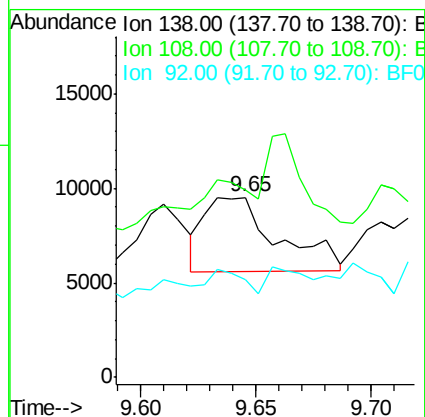
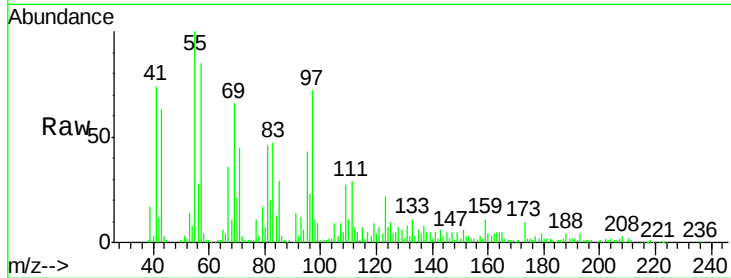
Tot Ion:138 Resp: 8665

Ion Ratio Lower Upper

138 100

108 104.0 9.1 13.7#

92 54.2 93.8 140.6#



#53

2,4-Dinitrophenol

Concen: 9.22 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

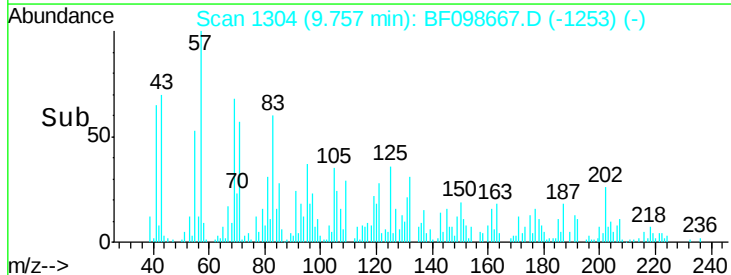
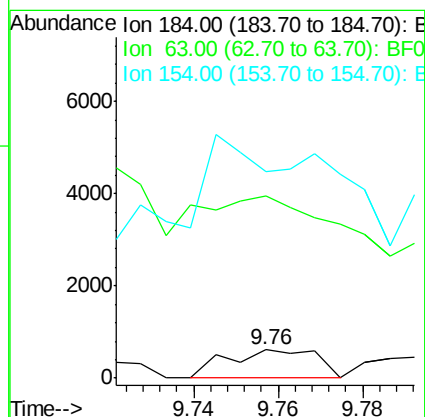
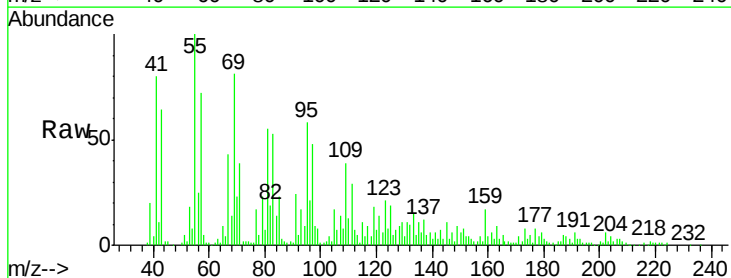
Tgt Ion:184 Resp: 915

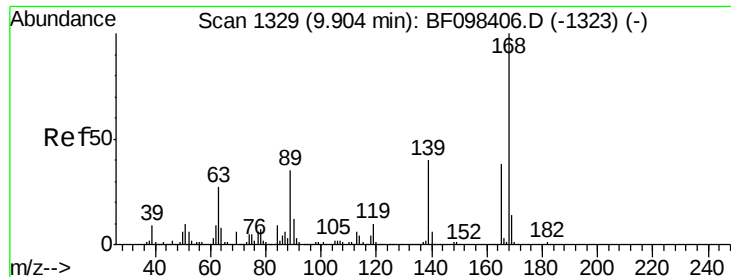
Ion Ratio Lower Upper

184 100

63 643.6 62.7 94.1#

154 727.6 81.1 121.7#

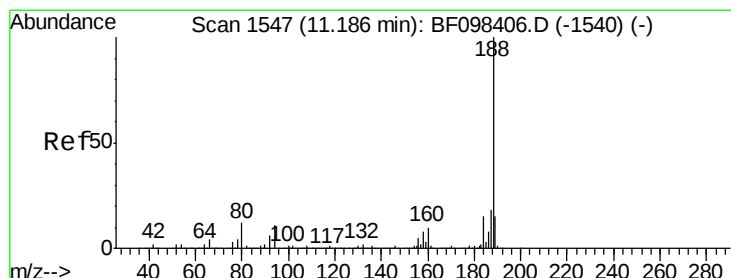
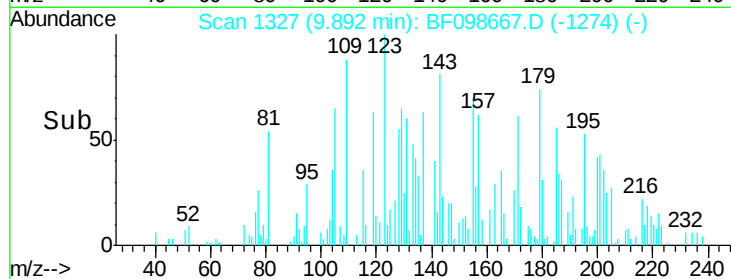
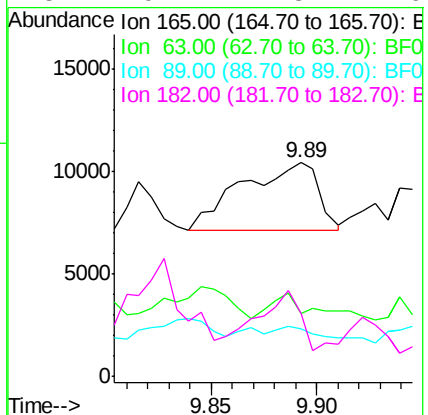
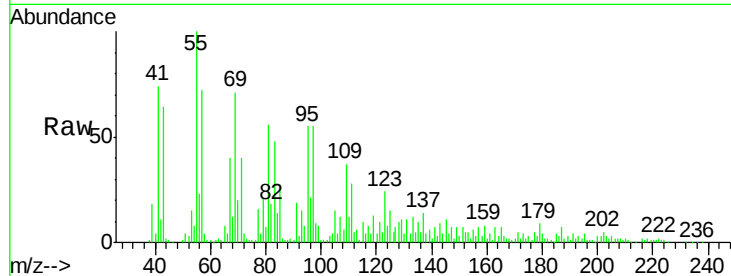




#56
 2,4-Dinitrotoluene
 Concen: 2.77 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF098667.D
 Acq: 20 Sep 2017 18:32

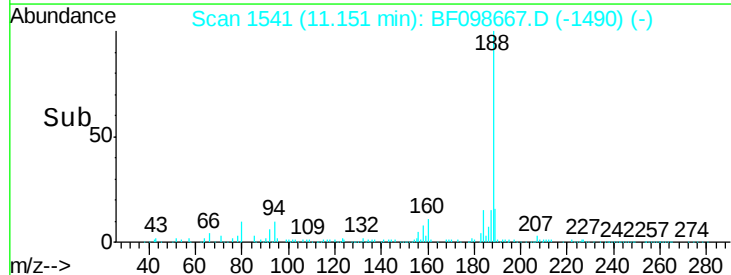
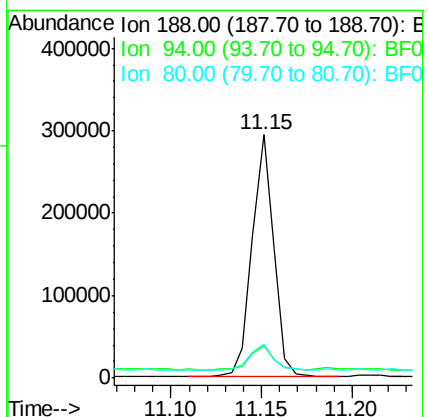
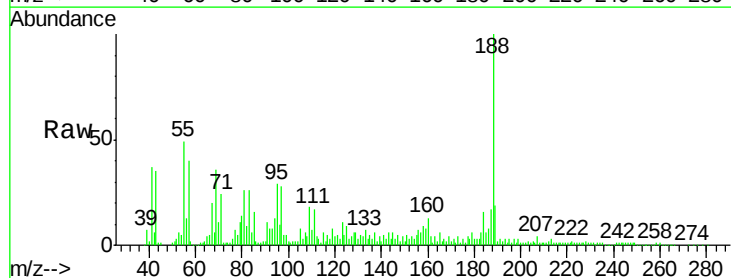
Instrument :
 BNA_F
 ClientSampleId :

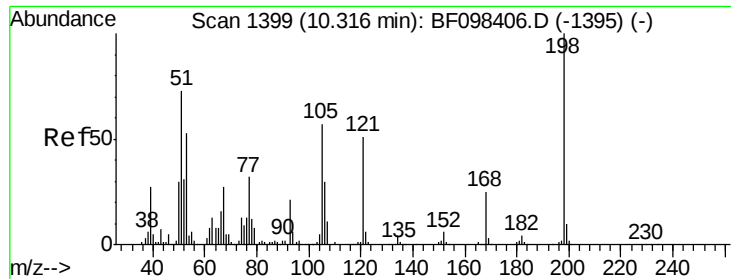
Tot Ion:165 Resp: 8374
 Ion Ratio Lower Upper
 165 100
 63 29.3 25.4 38.0
 89 22.3 46.4 69.6#
 182 29.1 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 1541
 Delta R.T. -0.00 min
 Lab File: BF098667.D
 Acq: 20 Sep 2017 18:32

Tgt Ion:188 Resp: 242371
 Ion Ratio Lower Upper
 188 100
 94 13.1 9.4 14.2
 80 13.9 10.2 15.2

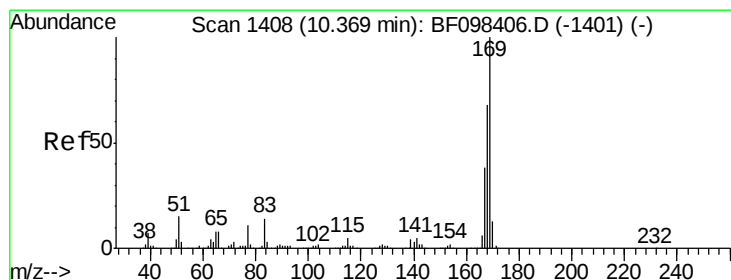
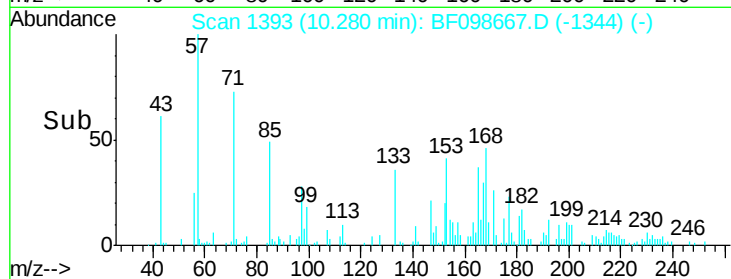
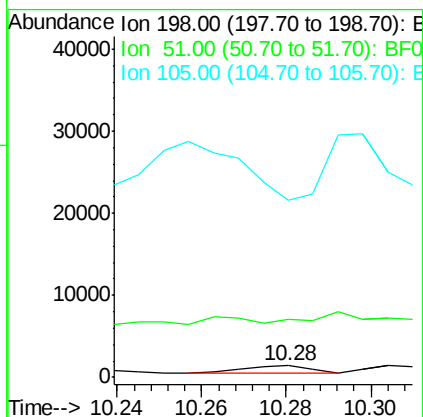
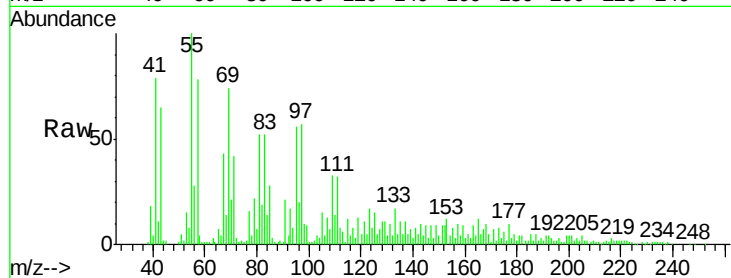




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.64 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF098667.D
 Acq: 20 Sep 2017 18:32

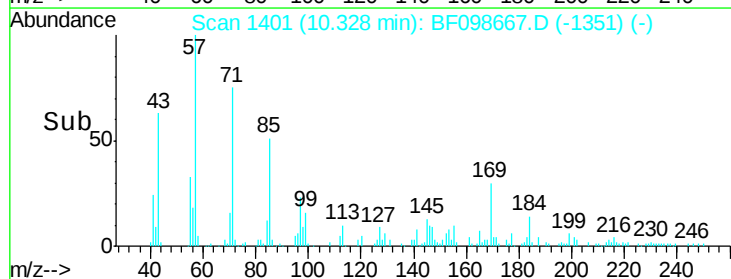
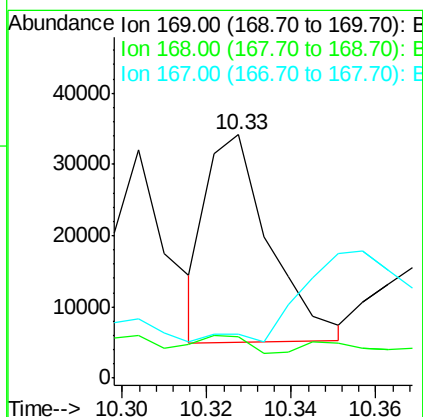
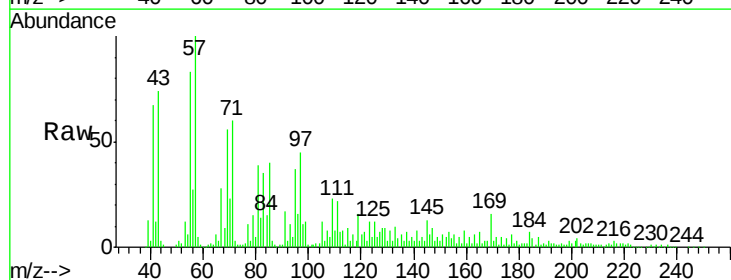
Instrument :
 BNA_F
 ClientSampleId :

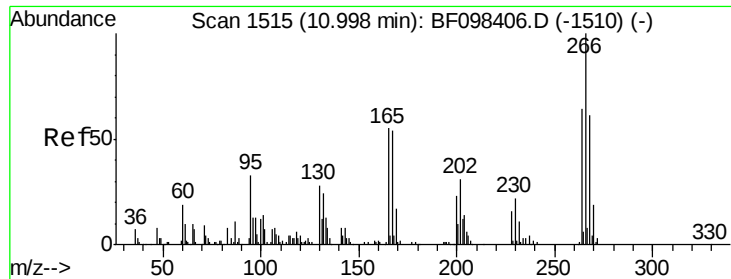
Tot Ion:198 Resp: 1127
 Ion Ratio Lower Upper
 198 100
 51 490.7 53.2 93.2#
 105 1493.0 45.8 85.8#



#65
 n-Nitrosodiphenylamine
 Concen: 3.83 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF098667.D
 Acq: 20 Sep 2017 18:32

Tgt Ion:169 Resp: 30129
 Ion Ratio Lower Upper
 169 100
 168 17.1 53.2 79.8#
 167 18.3 29.5 44.3#

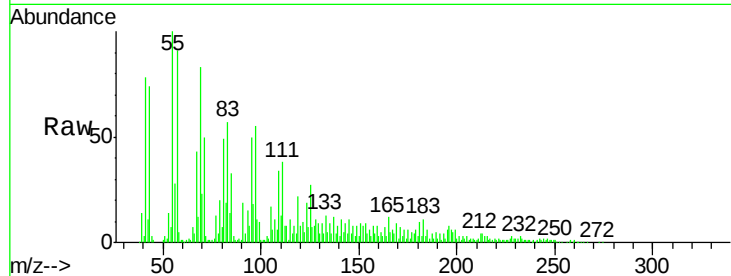




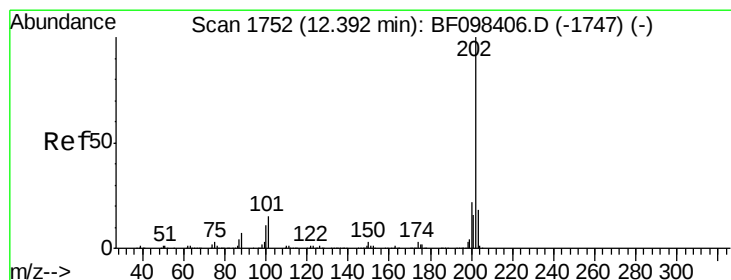
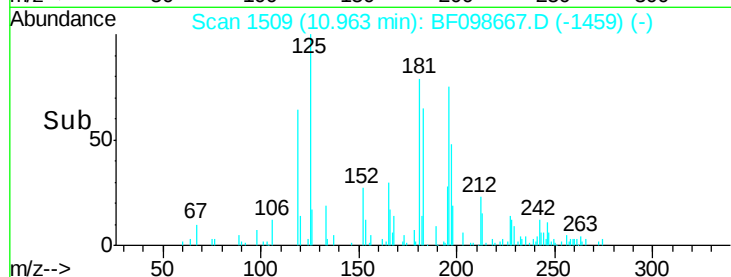
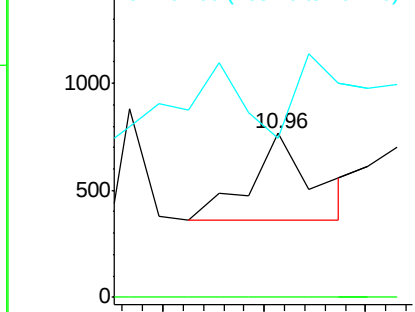
#69
 Pentachlorophenol
 Concen: 7.24 ng
 RT: 10.96 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: BF098667.D
 Acq: 20 Sep 2017 18:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	51.1	76.7#
264	96.7	51.7	77.5#

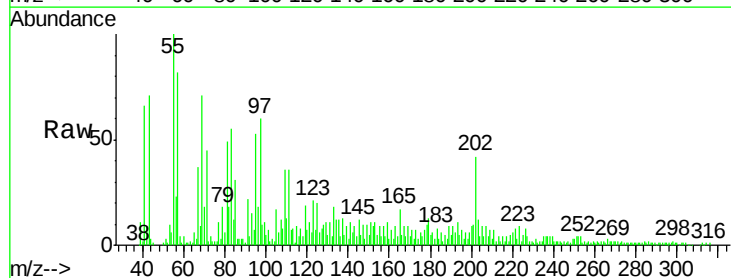


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

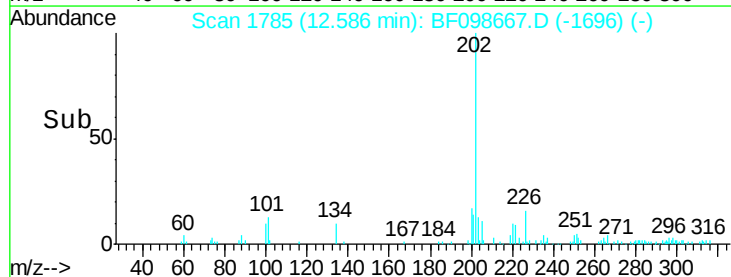
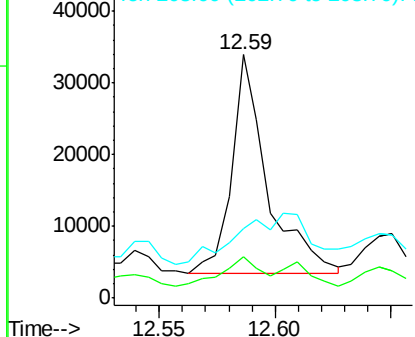


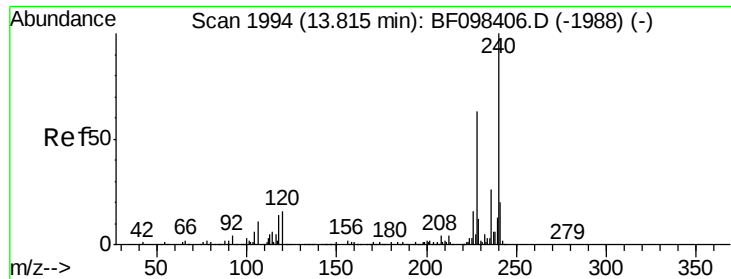
#74
 Fluoranthene
 Concen: 2.54 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. 0.22 min
 Lab File: BF098667.D
 Acq: 20 Sep 2017 18:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.9	0.0	33.2
203	28.7	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: 20.00 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

Instrument :

BNA_F

ClientSampleId :

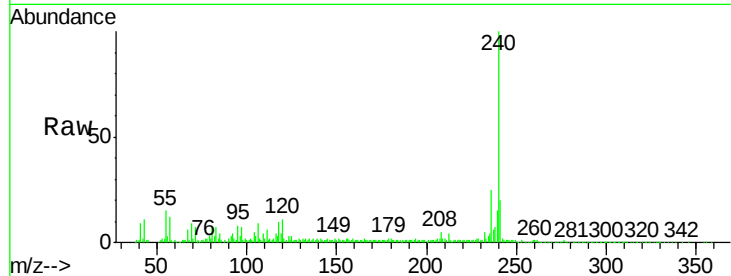
Tot Ion:240 Resp: 193198

Ion Ratio Lower Upper

240 100

120 11.3 5.8 8.8#

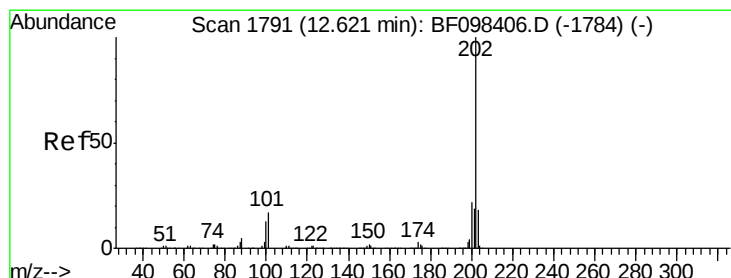
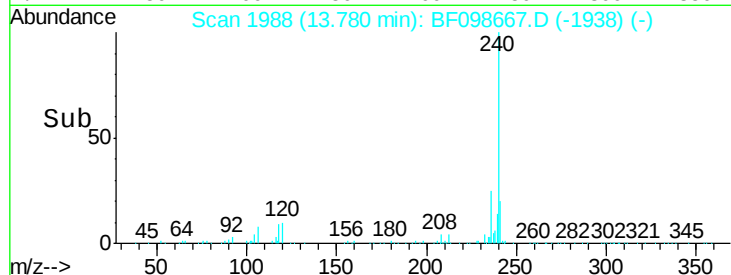
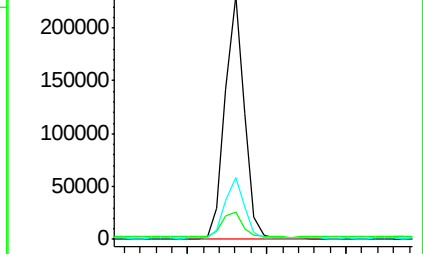
236 25.2 20.5 30.7



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



#77

Pyrene

Concen: 2.18 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

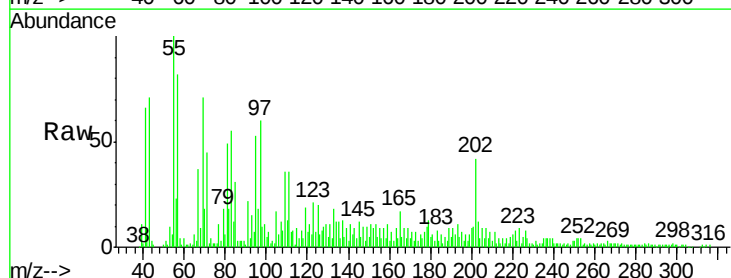
Tgt Ion:202 Resp: 33172

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

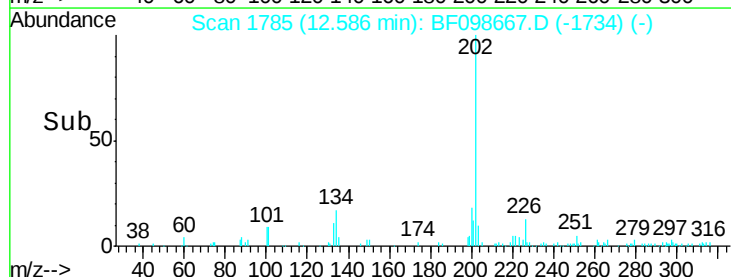
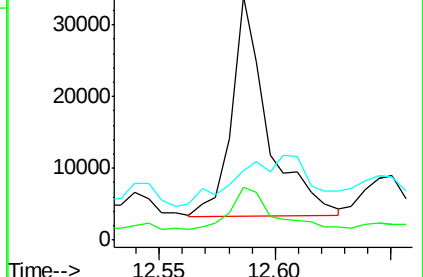
203 28.7 14.4 21.6#

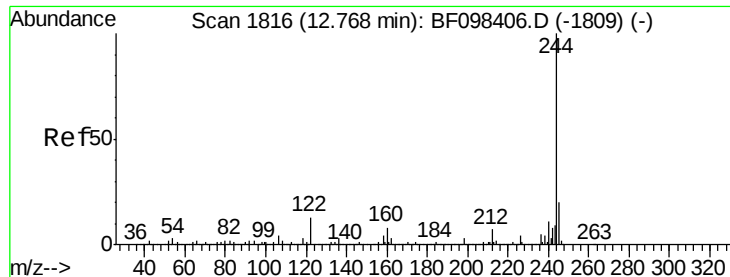


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.31 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

Instrument :

BNA_F

ClientSampled :

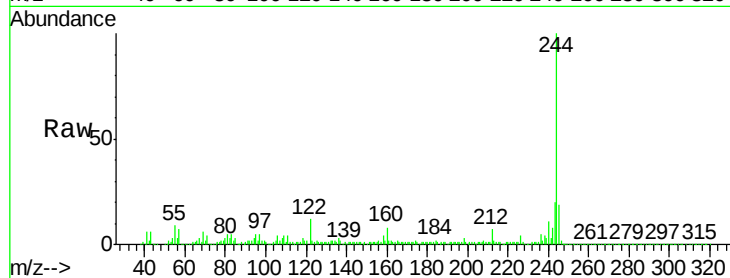
Tot Ion:244 Resp: 674053

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

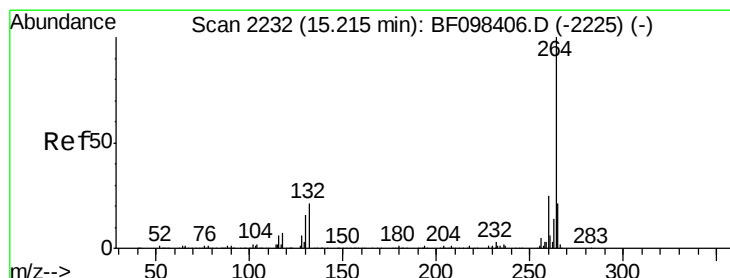
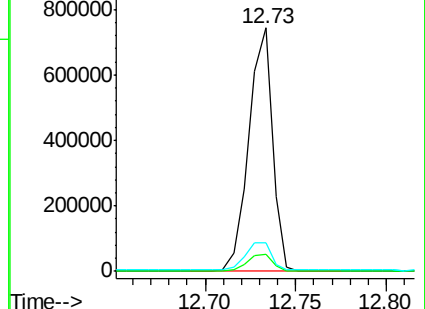
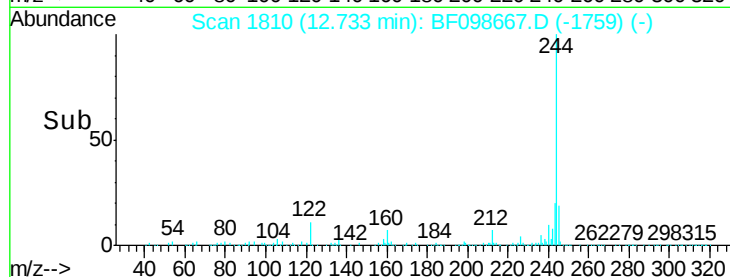
122 11.5 10.3 15.5



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: 20.00 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BF098667.D

Acq: 20 Sep 2017 18:32

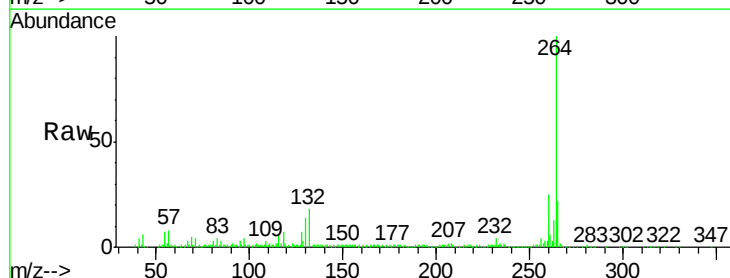
Tgt Ion:264 Resp: 201728

Ion Ratio Lower Upper

264 100

260 25.4 19.5 29.3

265 21.7 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

