

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082217\
 Data File : BF097979.D
 Acq On : 23 Aug 2017 3:14
 Operator : SJ/JU
 Sample : I4914-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 289-COMP

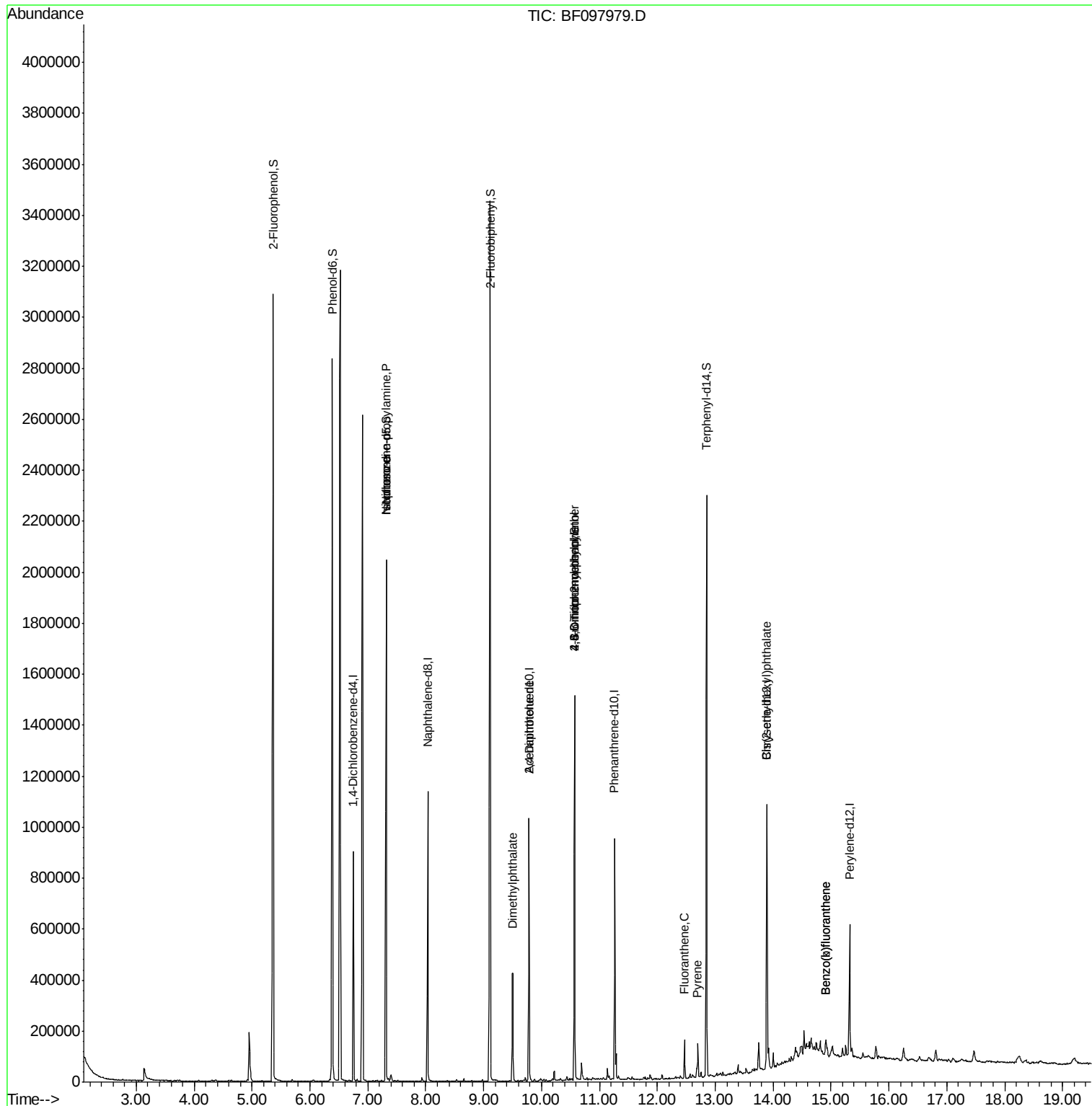
Quant Time: Aug 23 04:53:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

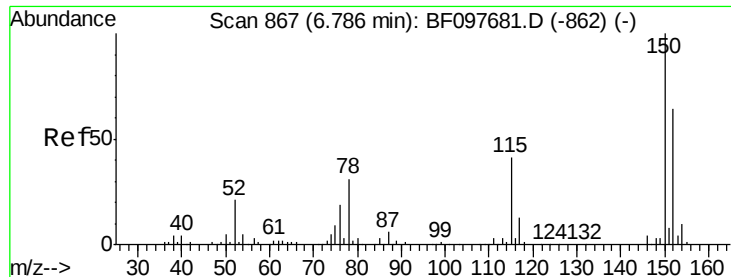
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	126791	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	484938	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	195286	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	309679	20.00	ng	0.00
75) Chrysene-d12	13.90	240	267850	20.00	ng	0.00
86) Perylene-d12	15.32	264	218636	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	932186	111.83	ng	0.01
7) Phenol-d6	6.39	99	1256543	110.95	ng	0.00
23) Nitrobenzene-d5	7.32	82	782394	87.65	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	152790	90.17	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1038032	78.09	ng	0.00
78) Terphenyl-d14	12.85	244	682133	53.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	105837	13.65	ng	# 70
25) Isophorone	7.32	82	765766	41.25	ng	# 67
49) Dimethylphthalate	9.50	163	164211	11.50	ng	98
56) 2,4-Dinitrotoluene	9.78	165	24983	6.99	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.57	198	182	8.42	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	10179	3.17	ng	# 1
74) Fluoranthene	12.47	202	59949	3.48	ng	98
77) Pyrene	12.70	202	53154	2.43	ng	96
83) Bis(2-ethylhexyl)phthalate	13.89	149	131886	14.17	ng	99
87) Benzo(b)fluoranthene	14.91	252	41397	3.00	ng	# 95
88) Benzo(k)fluoranthene	14.91	252	41397	3.20	ng	98

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

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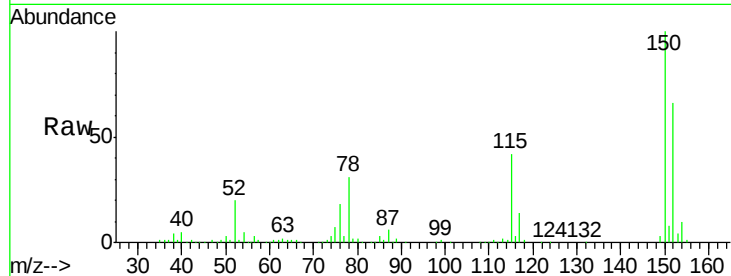


#1

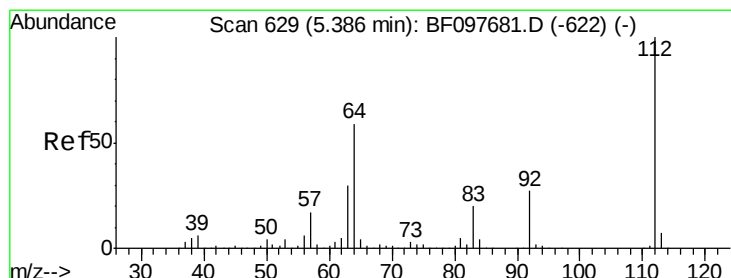
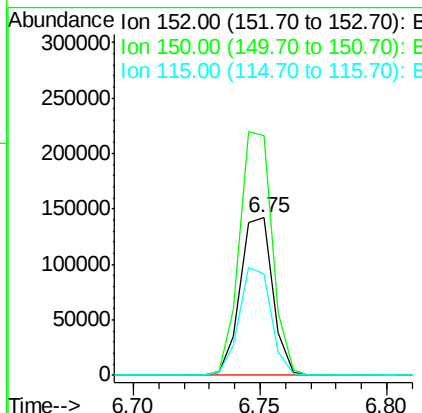
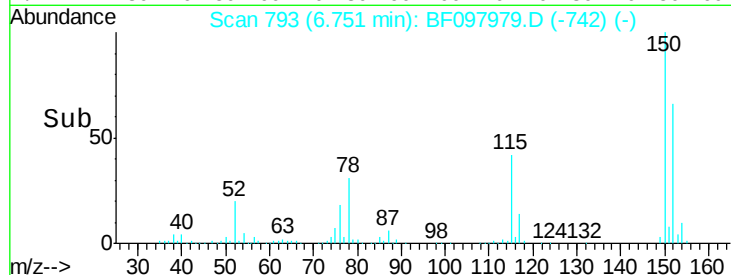
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: BF097979.D
 Acq: 23 Aug 2017 3:14

Instrument :
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 ClientSampleId :
 289-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	126.2	189.2
115	64.3	52.2	78.2



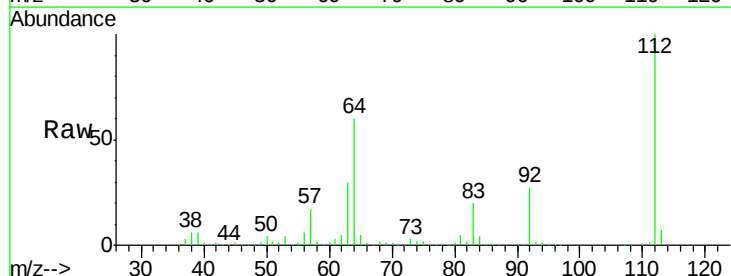
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



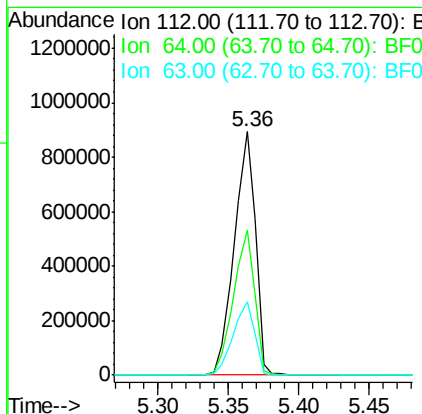
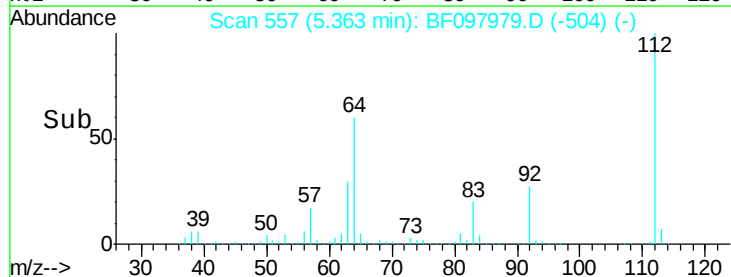
#5

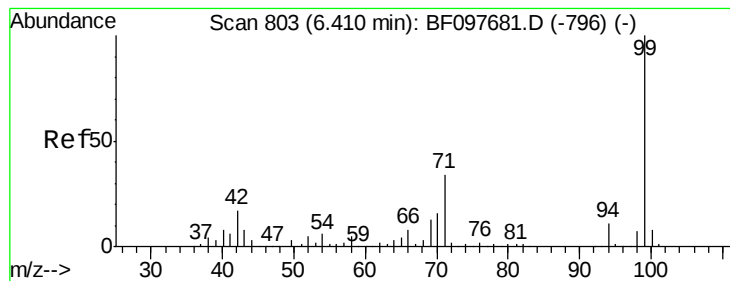
2-Fluorophenol
 Concen: 111.83 ng
 RT: 5.36 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: BF097979.D
 Acq: 23 Aug 2017 3:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	46.0	69.0
63	30.4	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: 110.95 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

Instrument :

BNA_F

ClientSampleId :

289-COMP

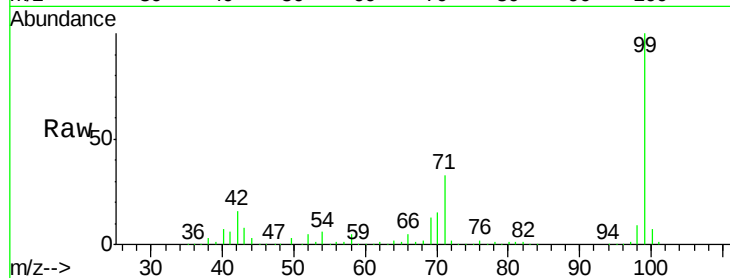
Tot Ion: 99 Resp: 1256543

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

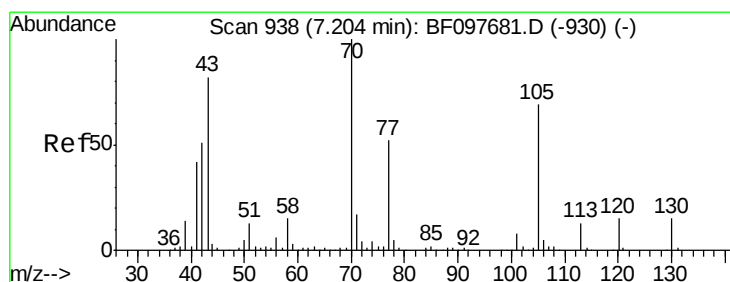
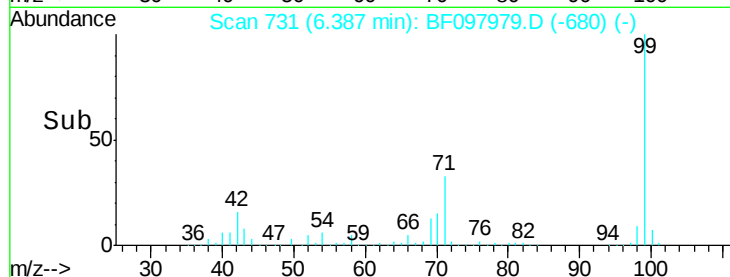
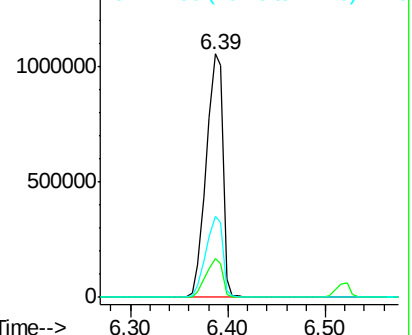
71 33.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.65 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

Tgt Ion: 70 Resp: 105837

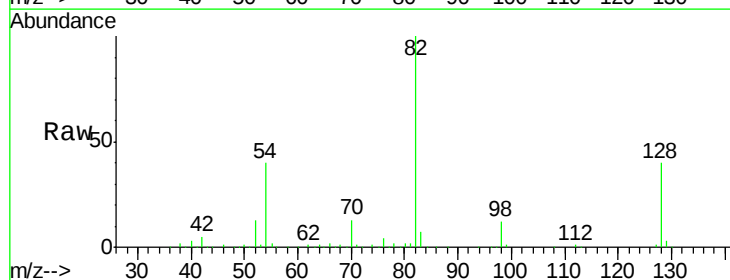
Ion Ratio Lower Upper

70 100

42 38.5 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

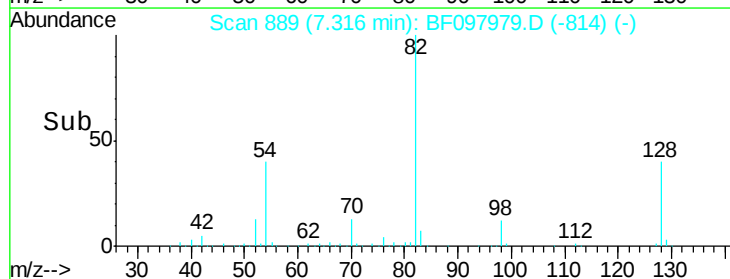
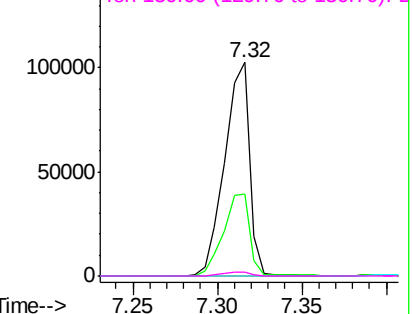


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

Instrument :

BNA_F

ClientSampleId :

289-COMP

Tot Ion:136 Resp: 484938

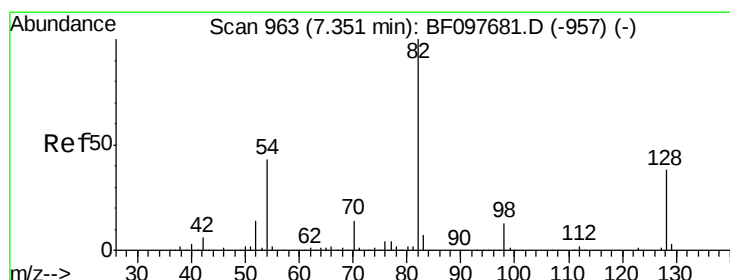
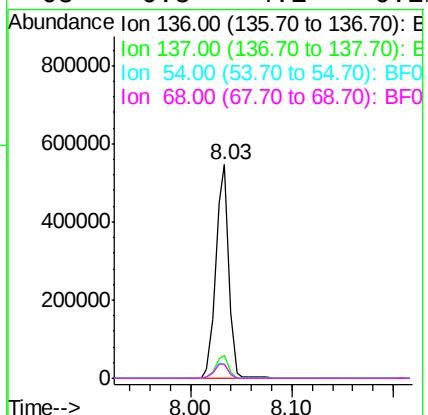
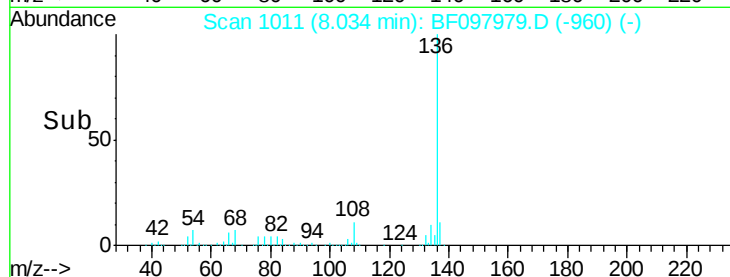
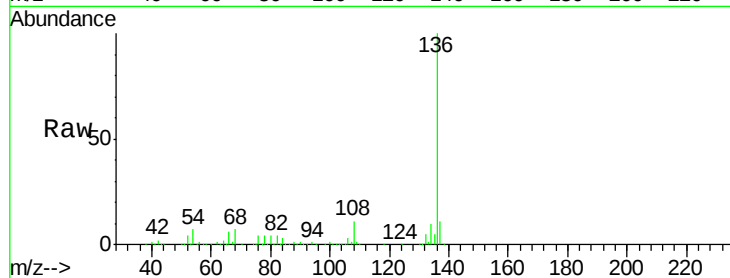
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.9 4.9 7.3

68 6.8 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 87.65 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

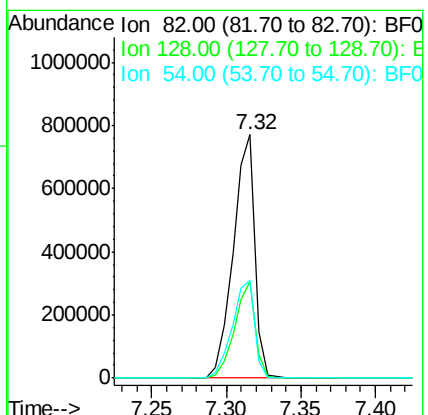
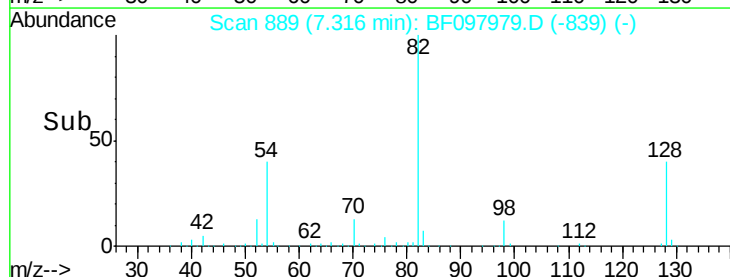
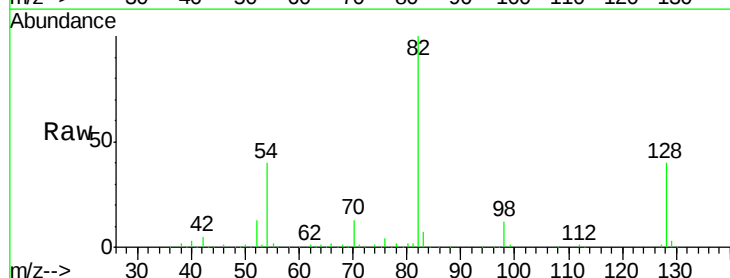
Tgt Ion: 82 Resp: 782394

Ion Ratio Lower Upper

82 100

128 39.7 34.0 51.0

54 40.3 42.2 63.2#





#25

Isophorone

Concen: 41.25 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

Instrument :

BNA_F

ClientSampleId :

289-COMP

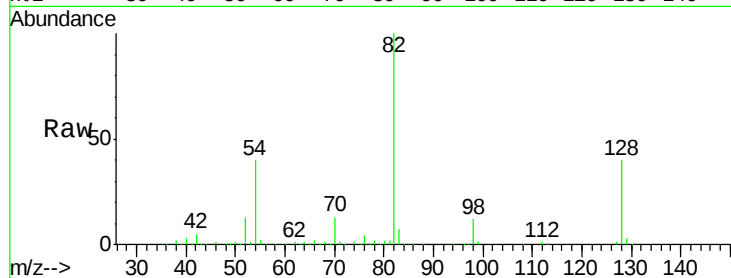
Tot Ion: 82 Resp: 765766

Ion Ratio Lower Upper

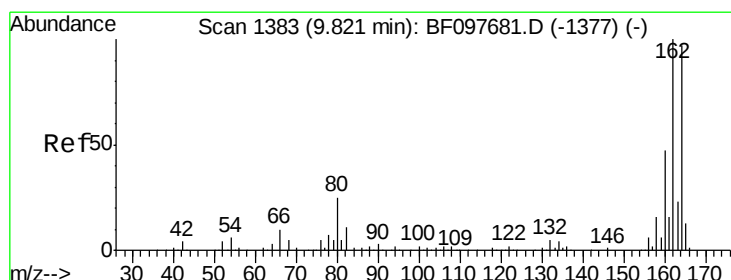
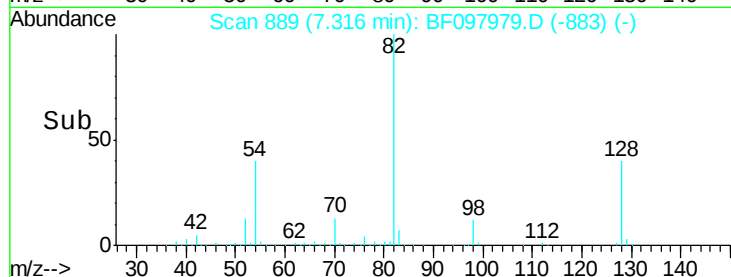
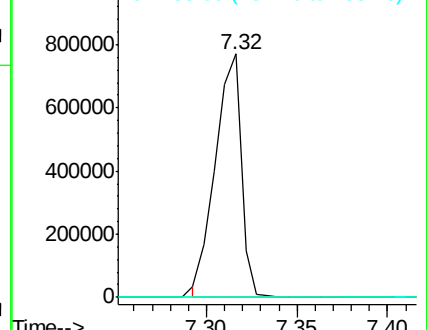
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

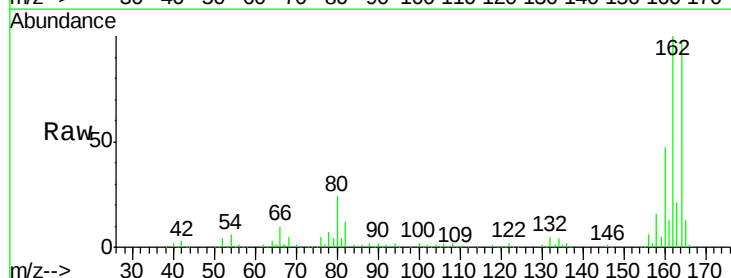
Tgt Ion:164 Resp: 195286

Ion Ratio Lower Upper

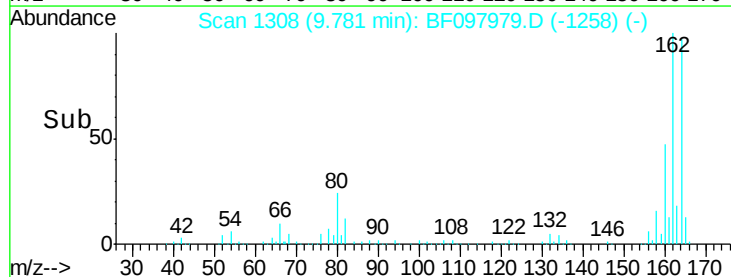
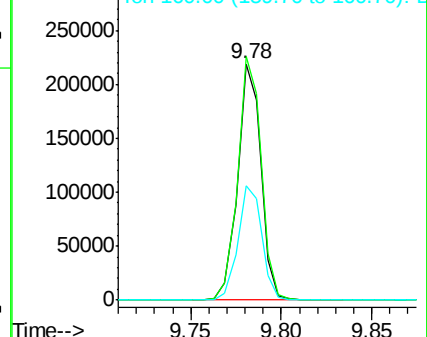
164 100

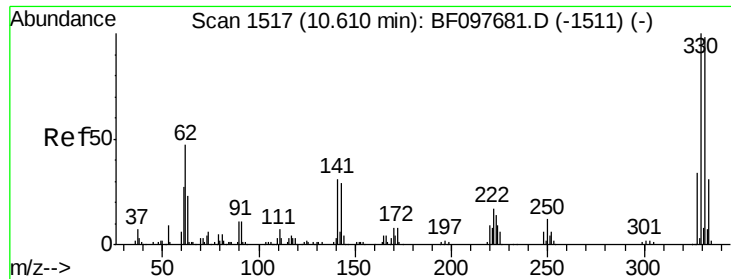
162 103.1 82.6 123.8

160 48.4 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

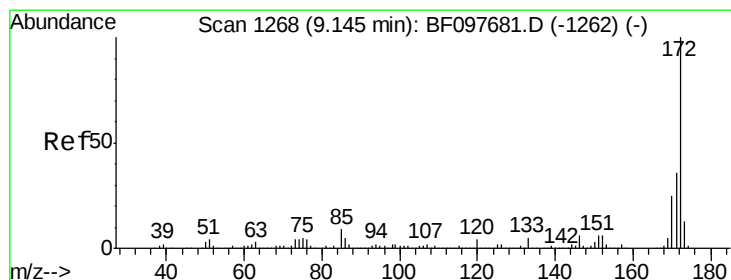
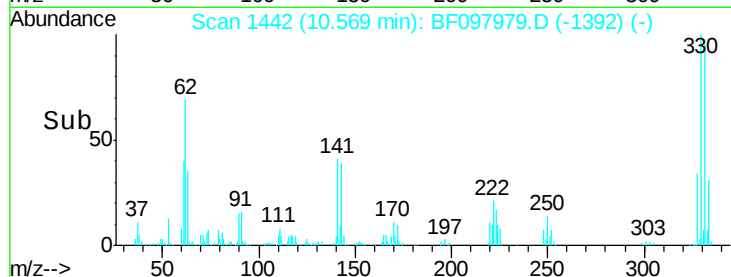
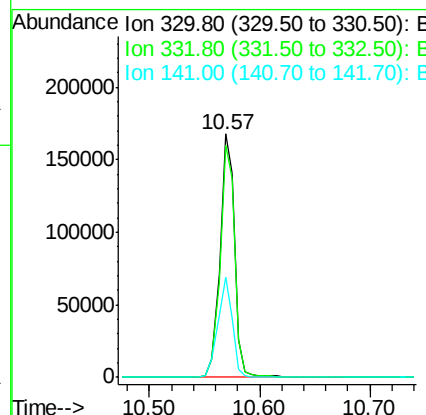
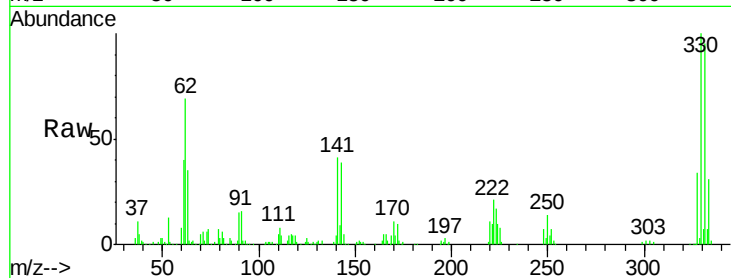




#41
 2,4,6-Tribromophenol
 Concen: 90.17 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097979.D
 Acq: 23 Aug 2017 3:14

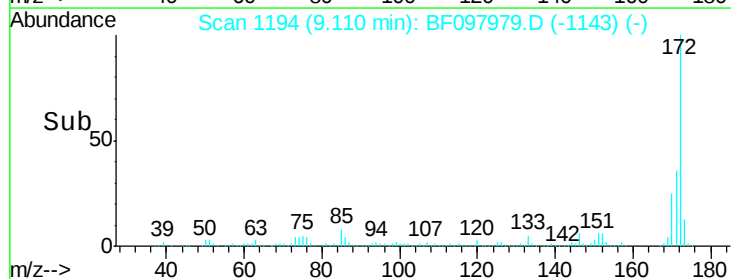
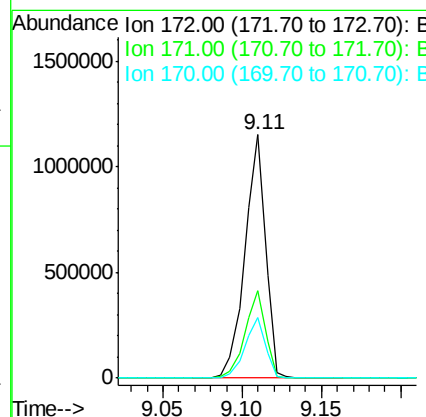
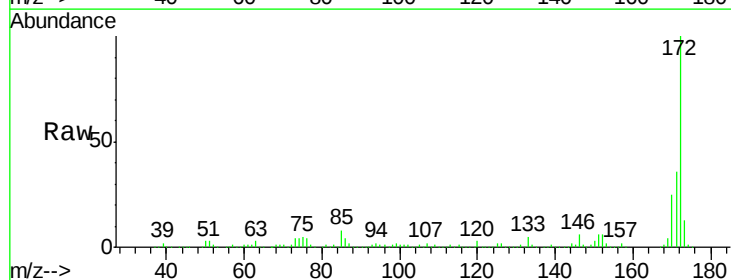
Instrument :
 BNA_F
 ClientSampleId :
 289-COMP

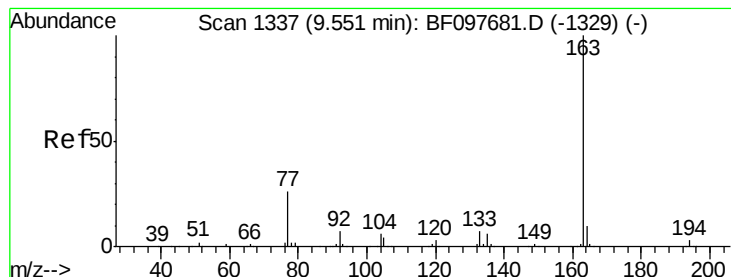
Tot Ion:330 Resp: 152790
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 115.0
 141 40.7 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 78.09 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF097979.D
 Acq: 23 Aug 2017 3:14

Tgt Ion:172 Resp: 1038032
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 24.9 19.8 29.8





#49

Dimethylphthalate

Concen: 11.50 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

Instrument :

BNA_F

ClientSampleId :

289-COMP

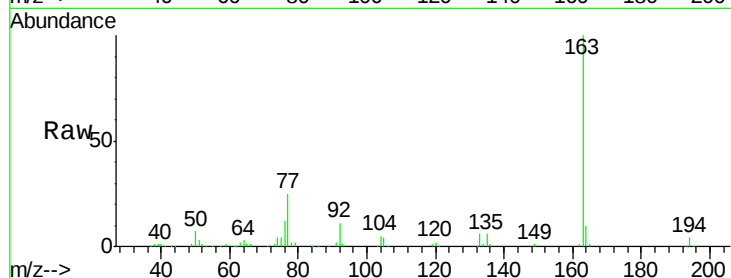
Tot Ion:163 Resp: 164211

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

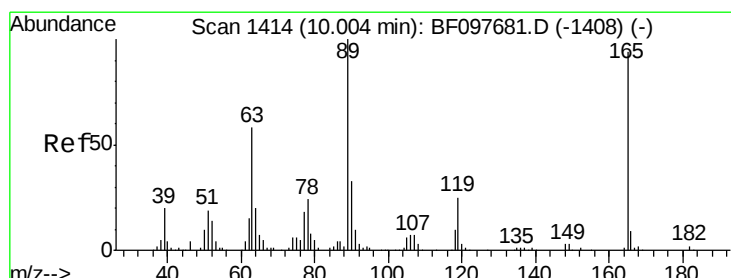
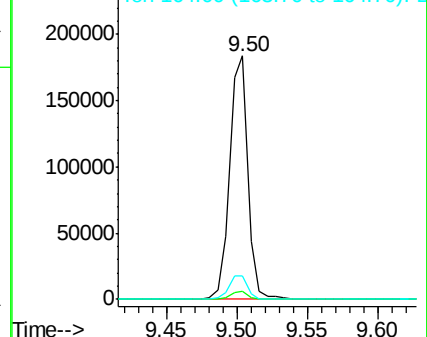
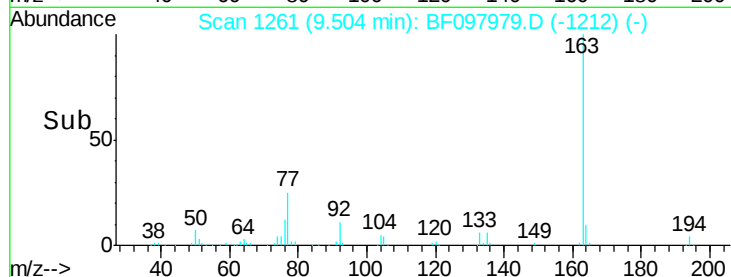
164 9.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.99 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.19 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

Tgt Ion:165 Resp: 24983

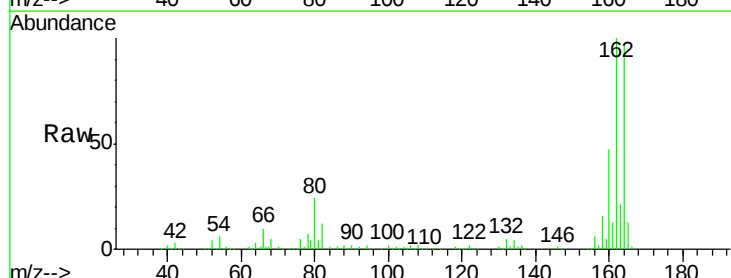
Ion Ratio Lower Upper

165 100

63 1.2 25.4 38.0#

89 2.0 46.4 69.6#

182 0.0 1.8 2.6#

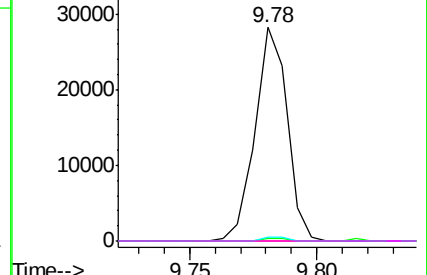
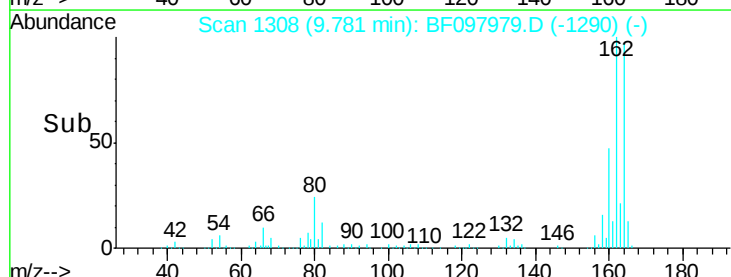


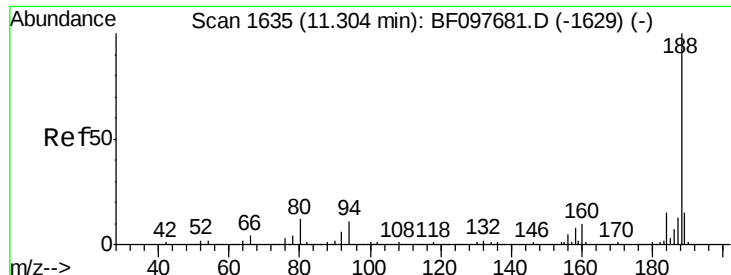
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

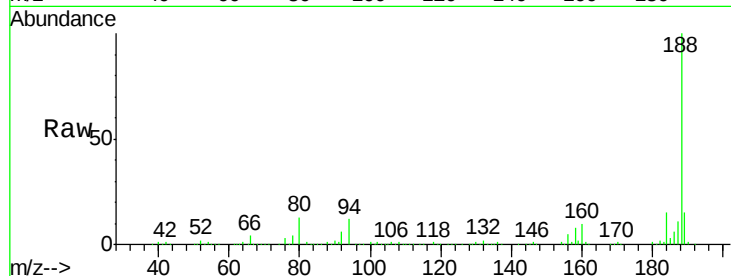




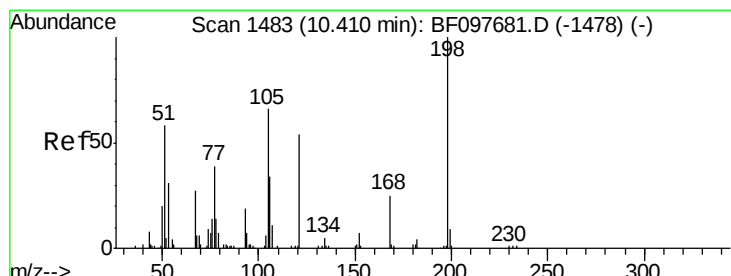
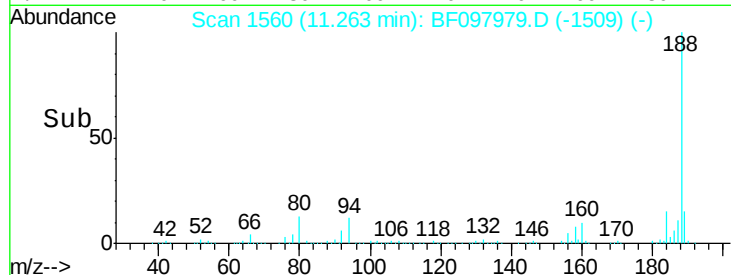
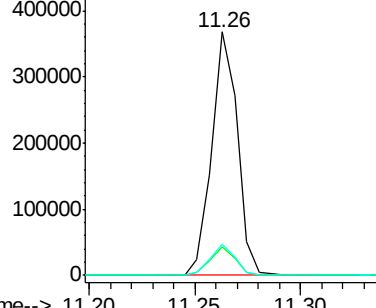
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BF097979.D
 Acq: 23 Aug 2017 3:14

Instrument :
 BNA_F
 ClientSampleId :
 289-COMP

Tot Ion:188 Resp: 309679
 Ion Ratio Lower Upper
 188 100
 94 11.7 9.4 14.2
 80 12.7 10.2 15.2

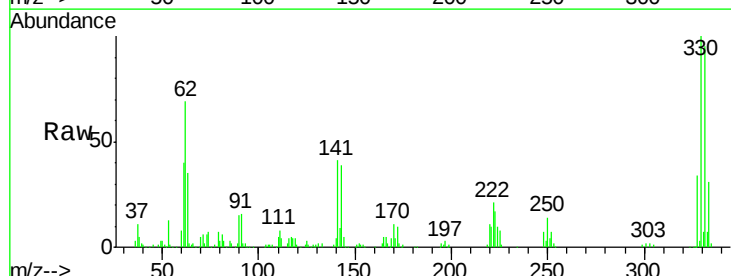


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

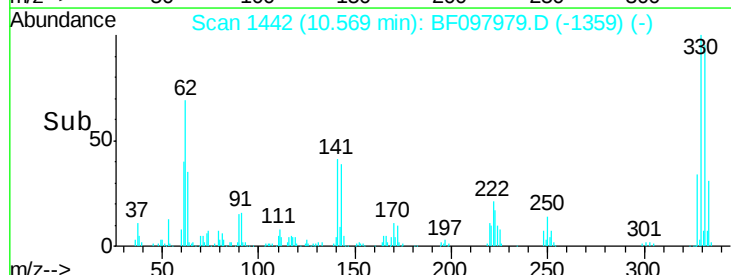
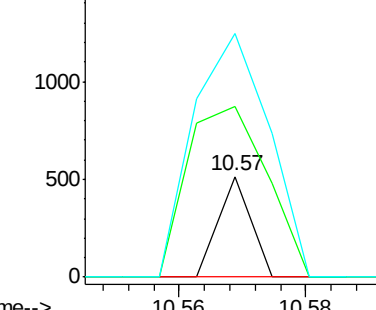


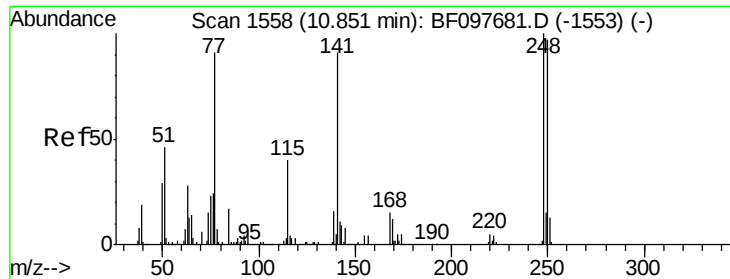
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.42 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.19 min
 Lab File: BF097979.D
 Acq: 23 Aug 2017 3:14

Tgt Ion:198 Resp: 182
 Ion Ratio Lower Upper
 198 100
 51 169.9 53.2 93.2#
 105 241.7 45.8 85.8#



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

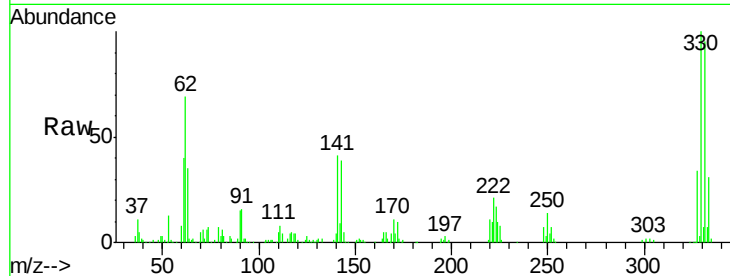




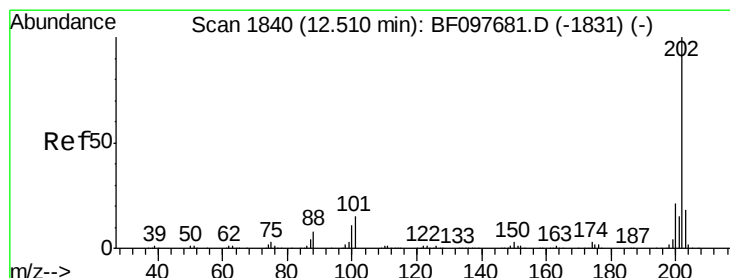
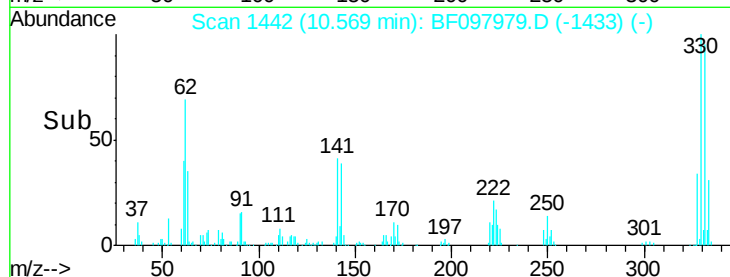
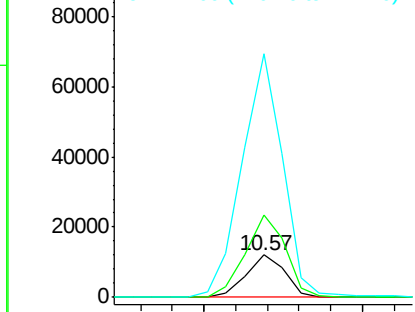
#66
4-Bromophenyl-phenylether
Concen: 3.17 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.25 min
Lab File: BF097979.D
Acq: 23 Aug 2017 3:14

Instrument :
BNA_F
ClientSampleId :
289-COMP

Tot Ion:248 Resp: 10179
Ion Ratio Lower Upper
248 100
250 195.4 76.8 115.2#
141 578.8 68.6 103.0#

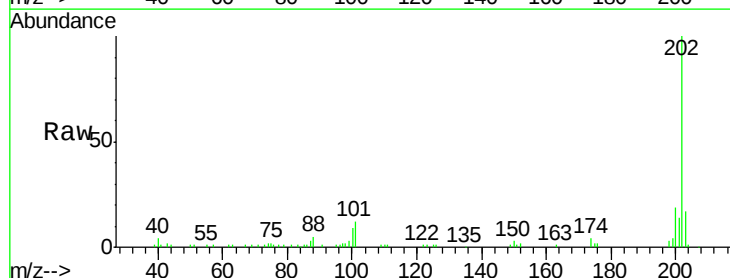


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

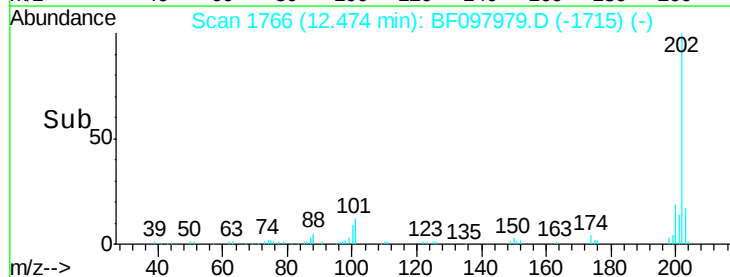
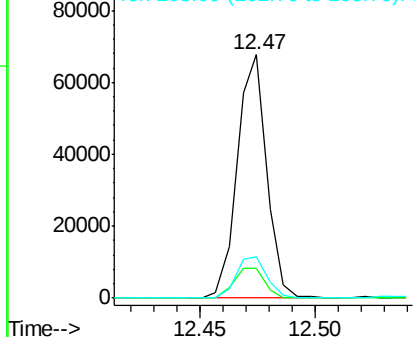


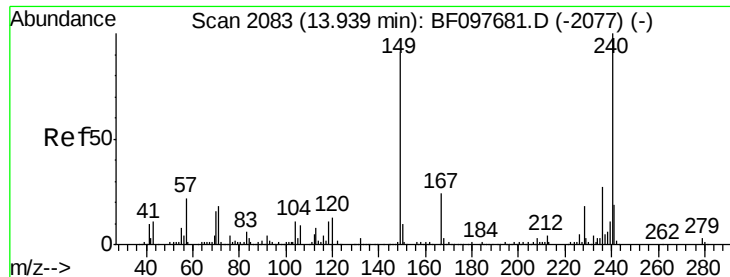
#74
Fluoranthene
Concen: 3.48 ng
RT: 12.47 min Scan# 1766
Delta R.T. 0.00 min
Lab File: BF097979.D
Acq: 23 Aug 2017 3:14

Tgt Ion:202 Resp: 59949
Ion Ratio Lower Upper
202 100
101 12.4 0.0 33.2
203 17.0 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: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

Instrument :

BNA_F

ClientSampleId :

289-COMP

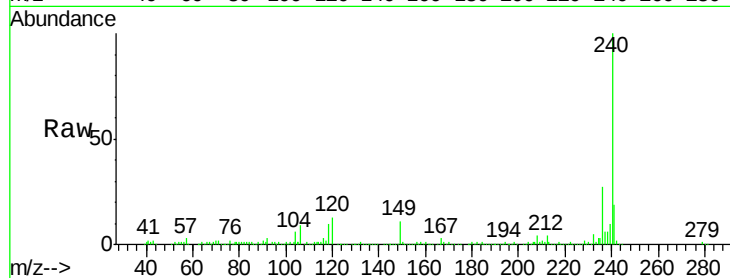
Tot Ion:240 Resp: 267850

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

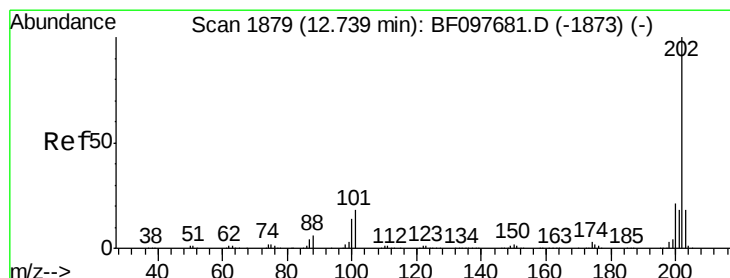
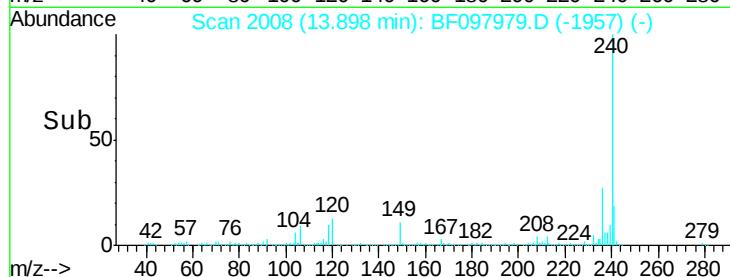
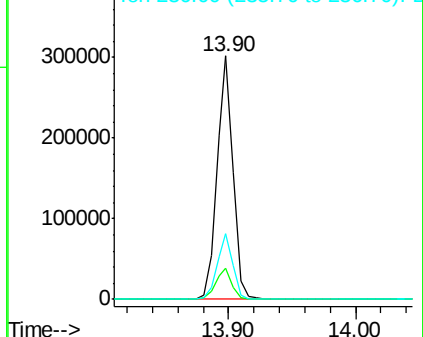
236 27.0 20.5 30.7



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: 2.43 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

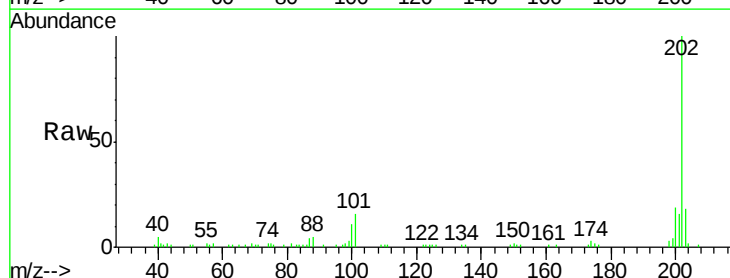
Tgt Ion:202 Resp: 53154

Ion Ratio Lower Upper

202 100

200 19.2 17.6 26.4

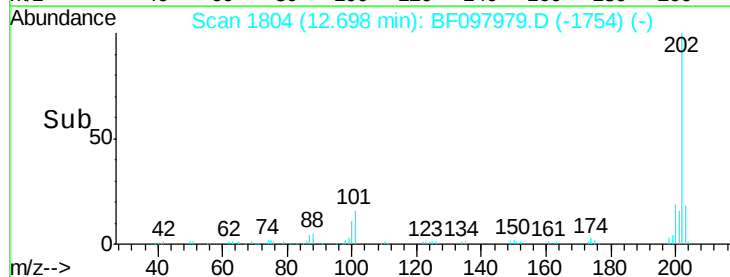
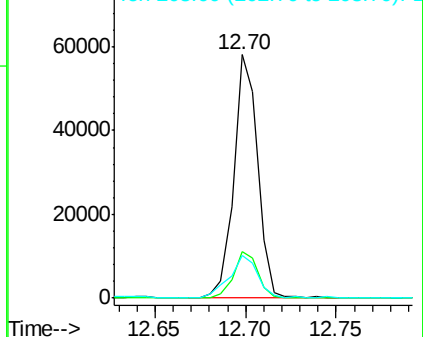
203 17.7 14.4 21.6

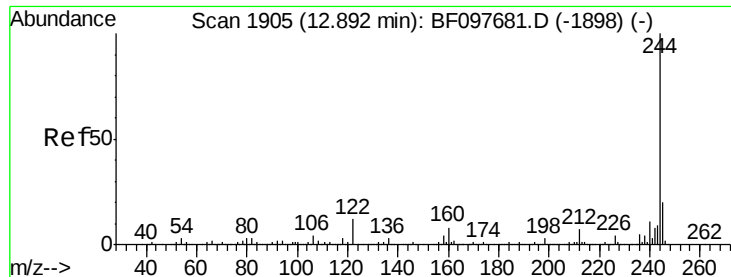


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 53.11 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

Instrument :

BNA_F

ClientSampleId :

289-COMP

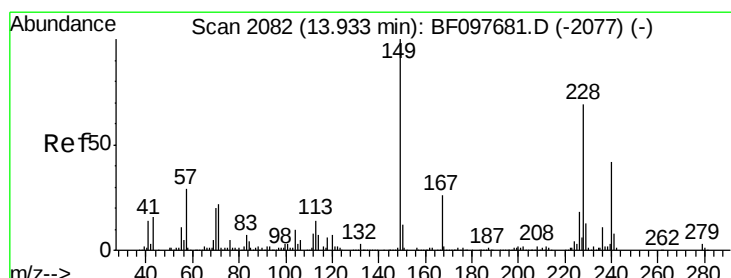
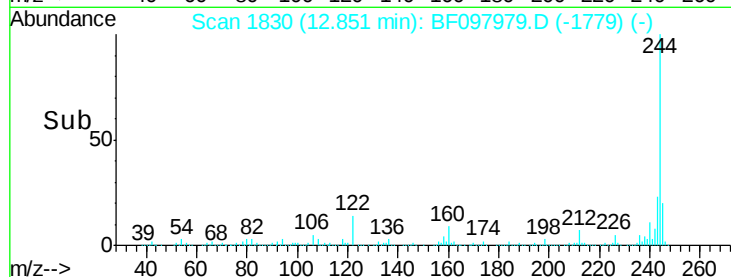
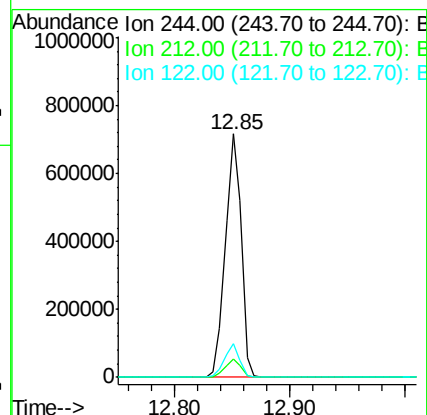
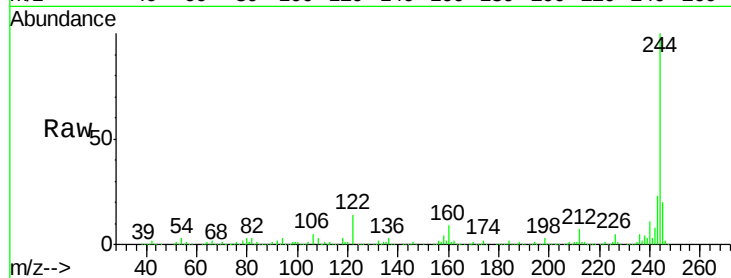
Tot Ion:244 Resp: 682133

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 13.8 10.3 15.5



#83

Bis(2-ethylhexyl)phthalate

Concen: 14.17 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF097979.D

Acq: 23 Aug 2017 3:14

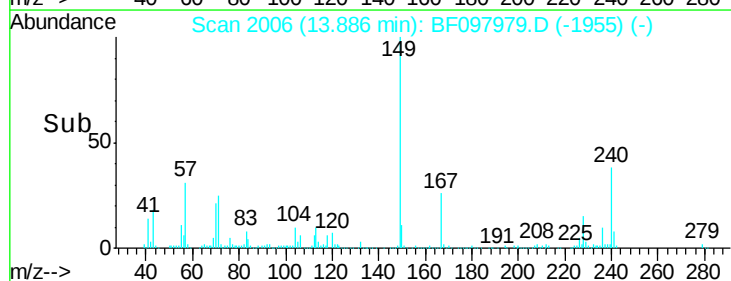
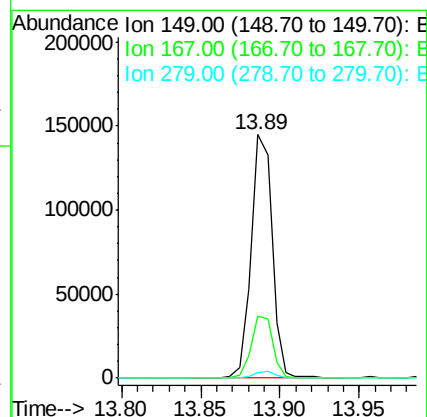
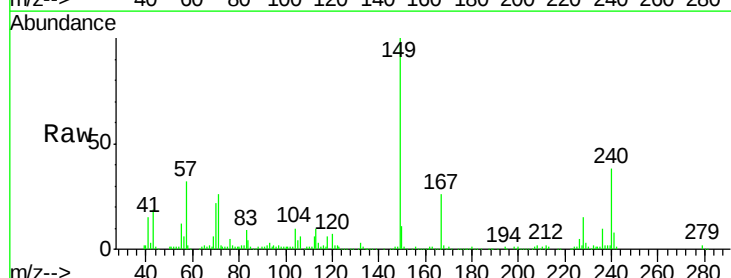
Tgt Ion:149 Resp: 131886

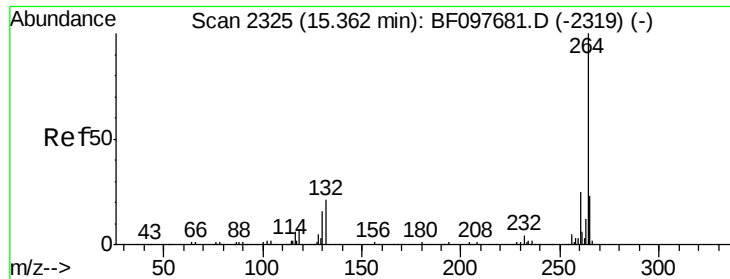
Ion Ratio Lower Upper

149 100

167 25.6 21.0 31.4

279 2.5 1.9 2.9

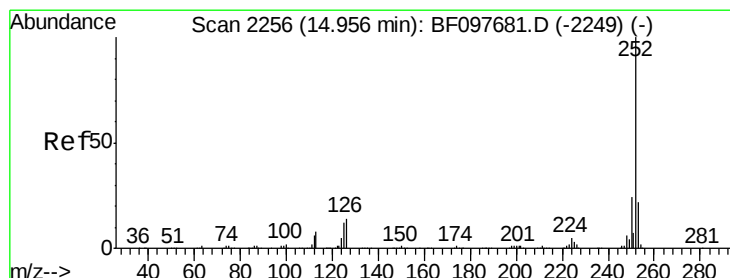
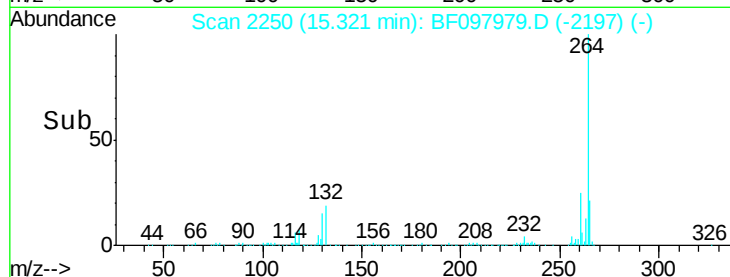
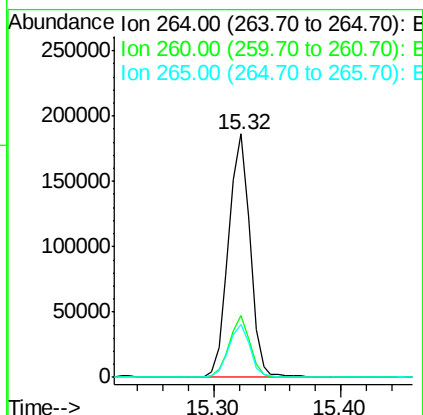
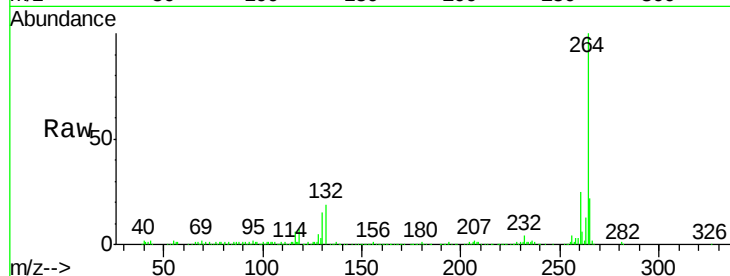




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097979.D
Acq: 23 Aug 2017 3:14

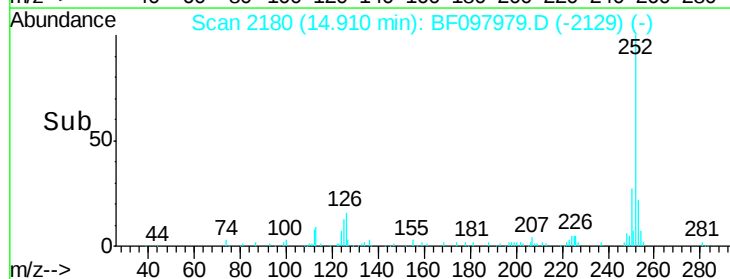
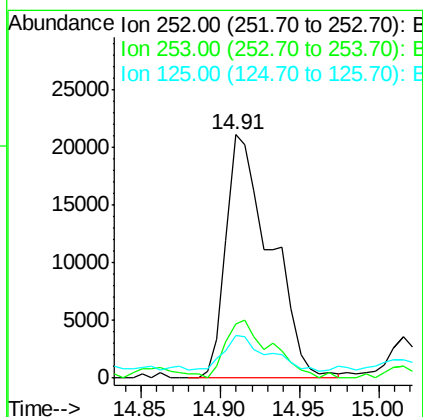
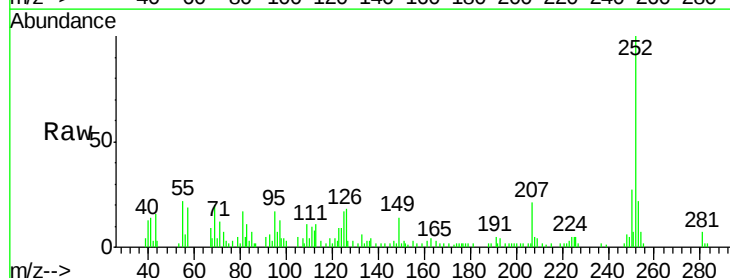
Instrument :
BNA_F
ClientSampleId :
289-COMP

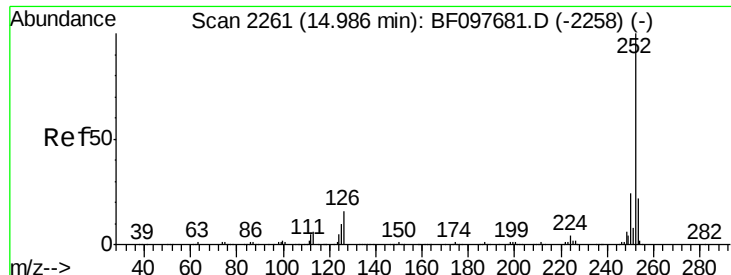
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	21.5	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.00 ng
RT: 14.91 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BF097979.D
Acq: 23 Aug 2017 3:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	17.4	9.8	14.8





#88
 Benzo(k)fluoranthene
 Concen: 3.20 ng
 RT: 14.91 min Scan# 2180
 Delta R.T. -0.03 min
 Lab File: BF097979.D
 Acq: 23 Aug 2017 3:14

Instrument :
 BNA_F
 ClientSampleId :
 289-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	17.4	13.1	19.7

