

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097371.D
 Acq On : 4 Aug 2017 22:27
 Operator : SJ/JU
 Sample : I4555-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2043

Quant Time: Aug 05 01:28:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

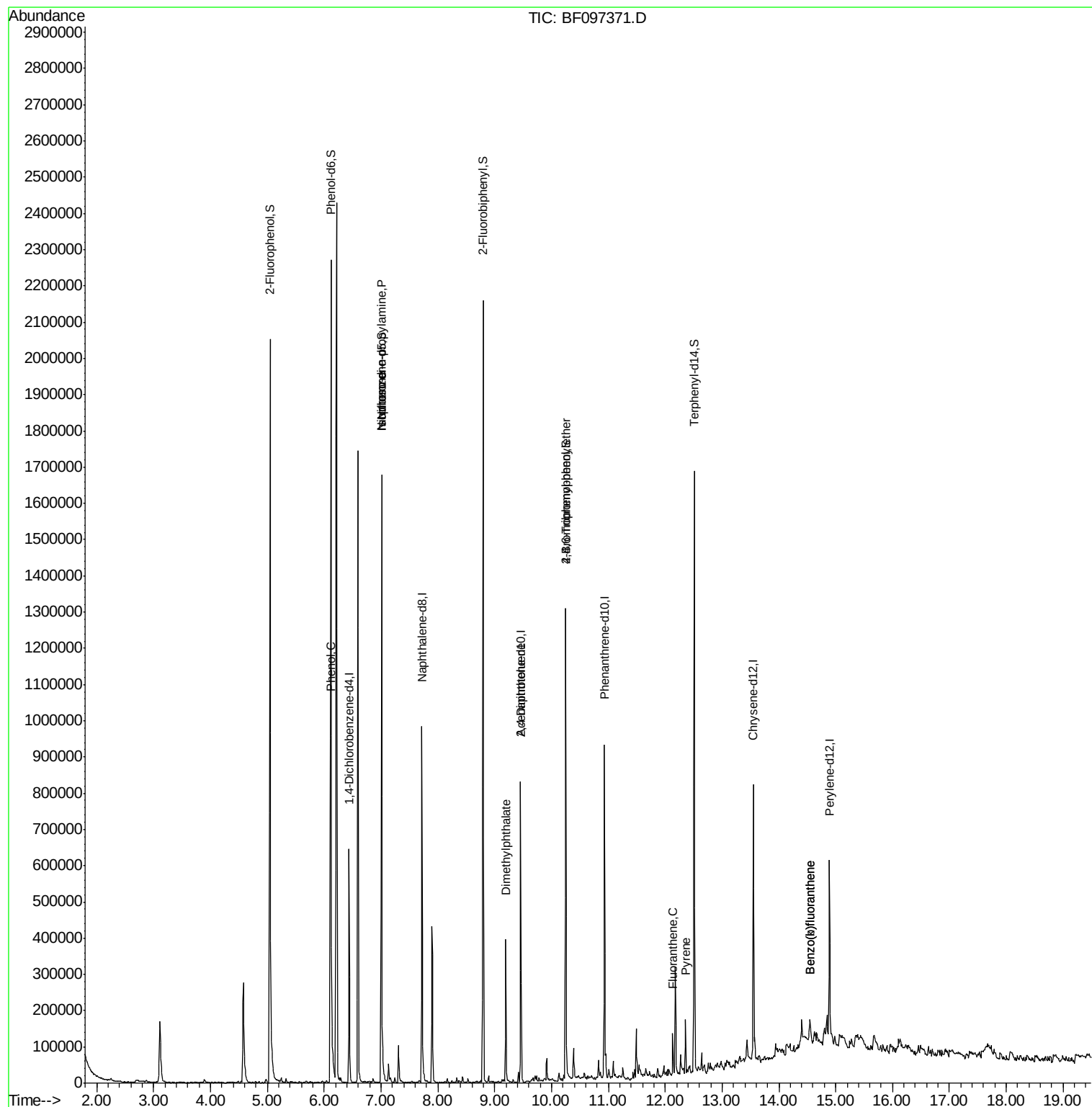
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	101233	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	453164	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	176861	20.00	ng	-0.08
63) Phenanthrene-d10	10.93	188	300135	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	224105	20.00	ng	-0.08
86) Perylene-d12	14.89	264	180485	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	686731	102.26	ng	-0.05
7) Phenol-d6	6.12	99	837633	109.26	ng	-0.05
23) Nitrobenzene-d5	7.01	82	491143	63.58	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	142512	101.99	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	701395	67.30	ng	-0.07
78) Terphenyl-d14	12.52	244	514076	46.77	ng	-0.07
Target Compounds						
10) Phenol	6.13	94	23717	2.61	ng	# 67
19) n-Nitroso-di-n-propylamine	7.01	70	66977	13.27	ng	# 88
25) Isophorone	7.01	82	478995	31.66	ng	# 67
49) Dimethylphthalate	9.20	163	163192	12.15	ng	97
56) 2,4-Dinitrotoluene	9.46	165	22894	6.99	ng	# 33
66) 4-Bromophenyl-phenylether	10.25	248	8835	2.95	ng	# 1
74) Fluoranthene	12.13	202	44090	2.80	ng	98
77) Pyrene	12.36	202	41673	2.27	ng	97
87) Benzo(b)fluoranthene	14.54	252	32454	2.99	ng	# 95
88) Benzo(k)fluoranthene	14.54	252	32454	3.14	ng	99

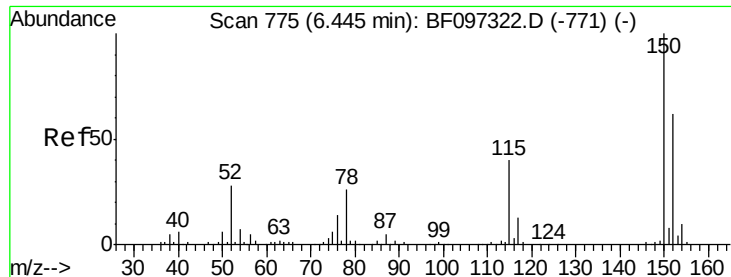
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097371.D
Acq On : 4 Aug 2017 22:27
Operator : SJ/JU
Sample : I4555-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2043

Quant Time: Aug 05 01:28:20 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration



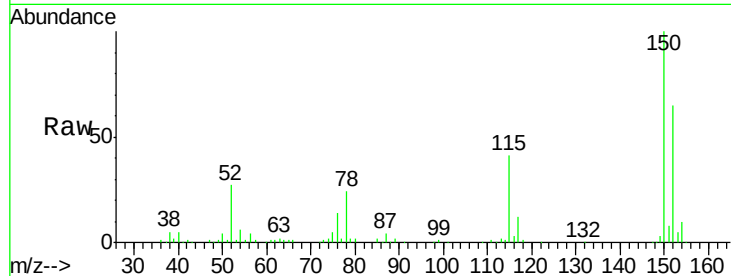


#1

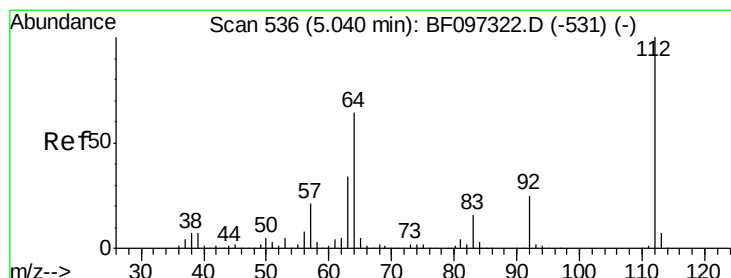
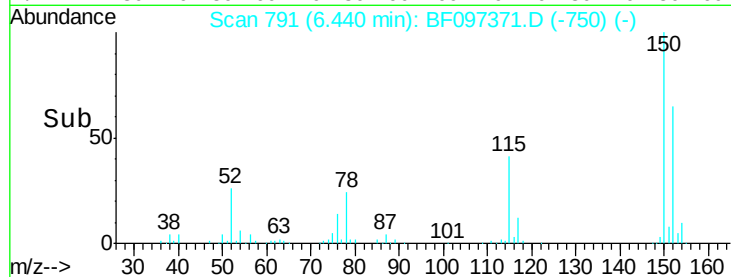
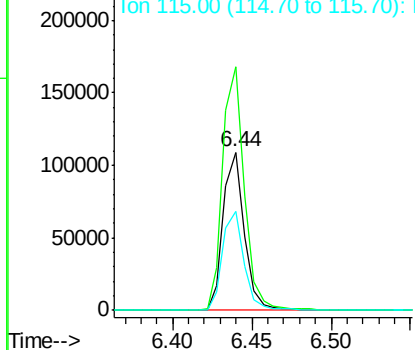
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097371.D
Acq: 4 Aug 2017 22:27

Instrument :
BNA_F
ClientSampled :
2043

Tot Ion:152 Resp: 101233
Ion Ratio Lower Upper
152 100
150 153.7 126.2 189.2
115 62.2 52.2 78.2



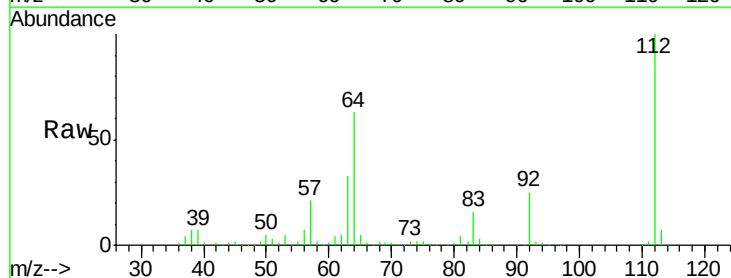
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



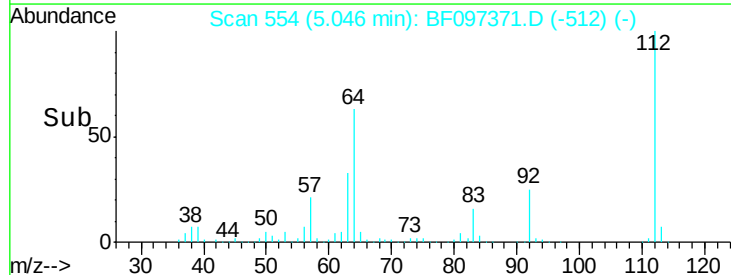
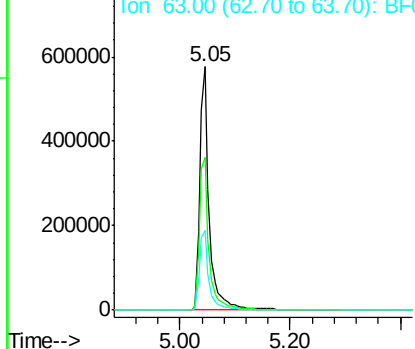
#5

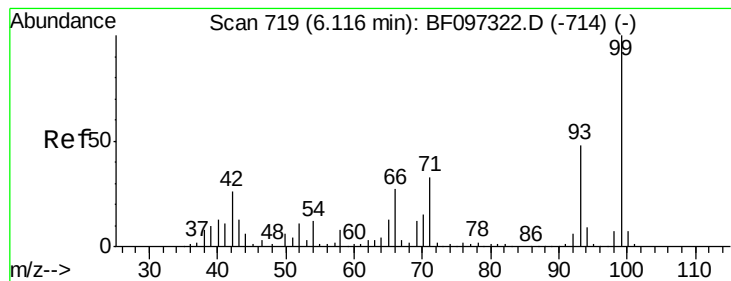
2-Fluorophenol
Concen: 102.26 ng
RT: 5.05 min Scan# 554
Delta R.T. -0.05 min
Lab File: BF097371.D
Acq: 4 Aug 2017 22:27

Tgt Ion:112 Resp: 686731
Ion Ratio Lower Upper
112 100
64 62.6 46.0 69.0
63 32.8 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: 109.26 ng

RT: 6.12 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF097371.D

Acq: 4 Aug 2017 22:27

Instrument :

BNA_F

ClientSampled :

2043

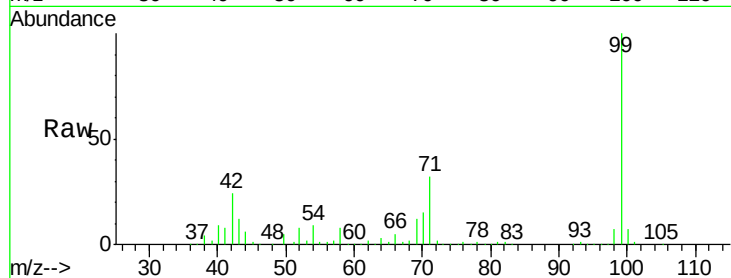
Tot Ion: 99 Resp: 837633

Ion Ratio Lower Upper

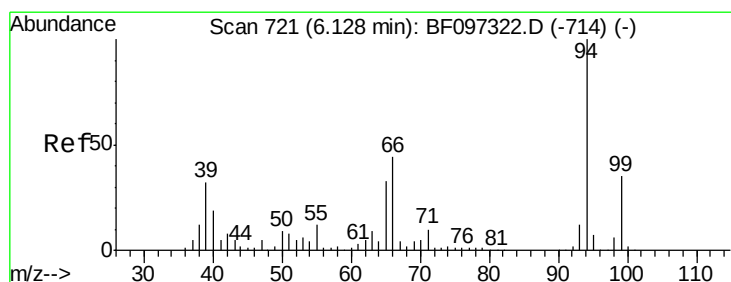
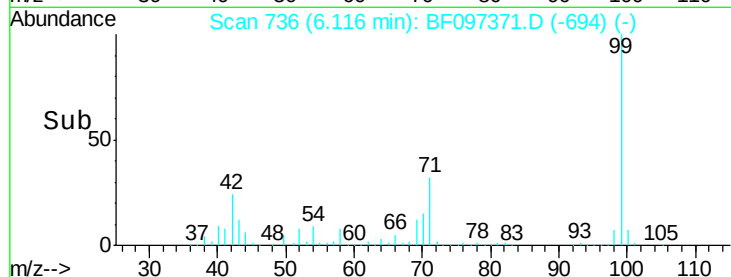
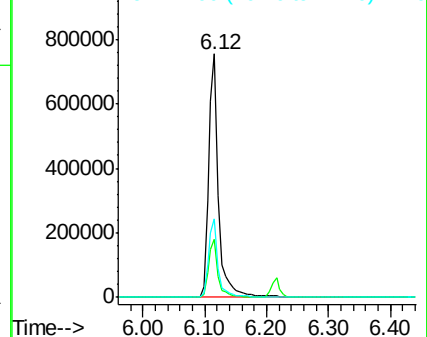
99 100

42 23.7 13.5 20.3#

71 32.4 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



#10

Phenol

Concen: 2.61 ng

RT: 6.13 min Scan# 738

Delta R.T. -0.05 min

Lab File: BF097371.D

Acq: 4 Aug 2017 22:27

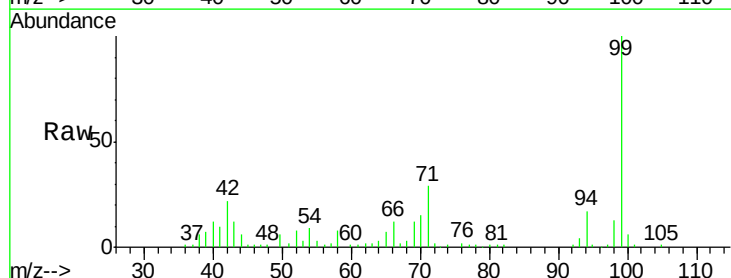
Tgt Ion: 94 Resp: 23717

Ion Ratio Lower Upper

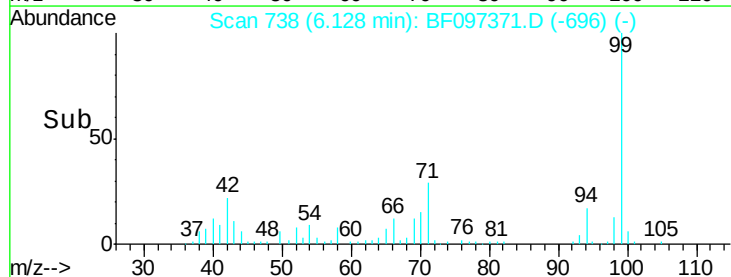
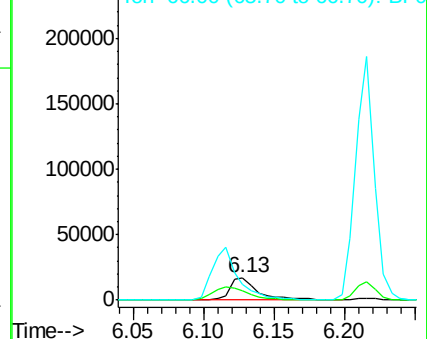
94 100

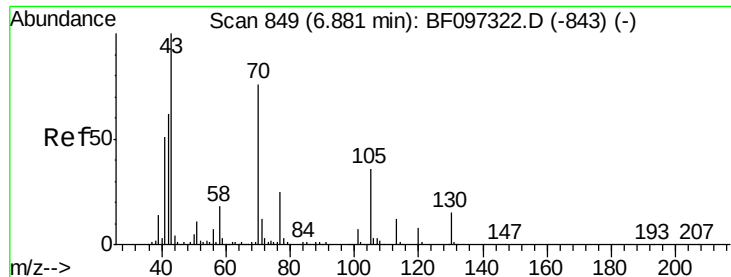
65 39.4 9.9 49.9

66 70.6 23.1 63.1#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

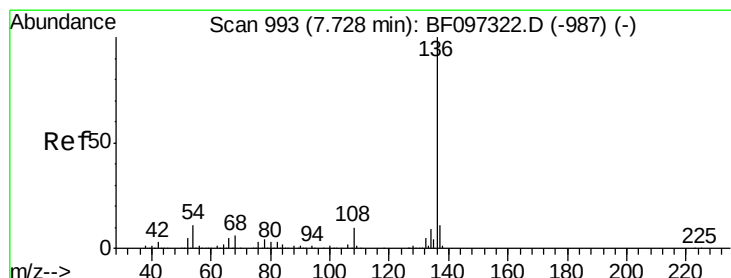
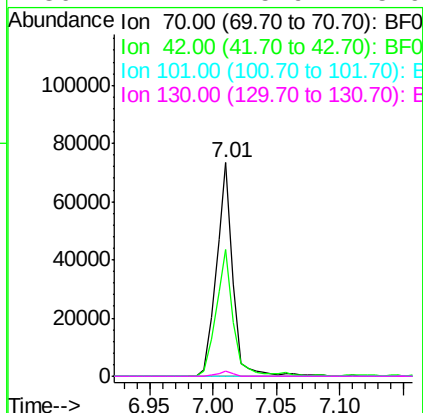
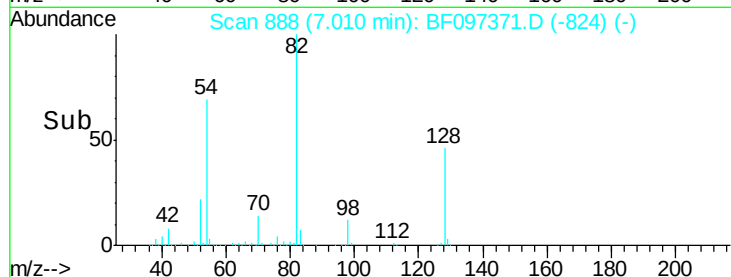
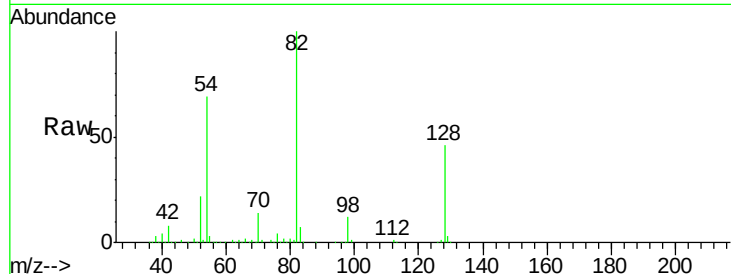




#19
n-Nitroso-di-n-propylamine
Concen: 13.27 ng
RT: 7.01 min Scan# 888
Delta R.T. 0.08 min
Lab File: BF097371.D
Acq: 4 Aug 2017 22:27

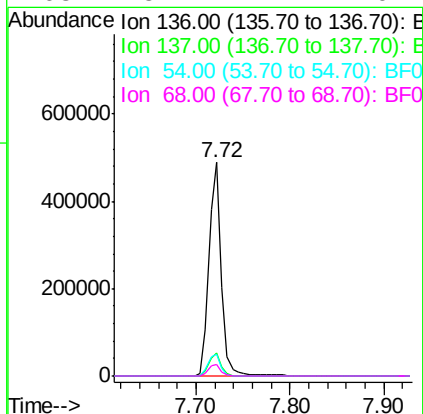
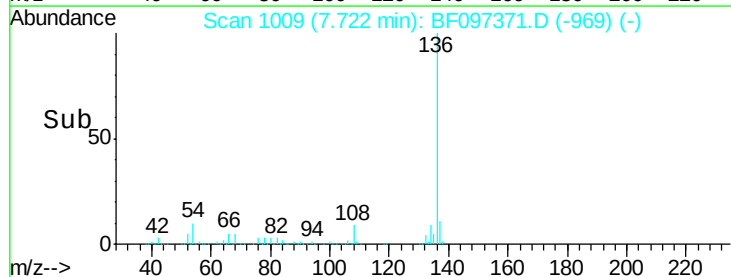
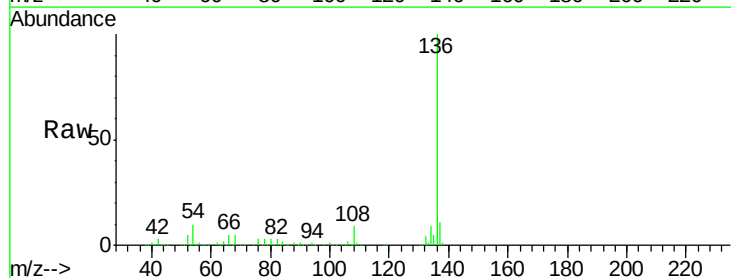
Instrument :
BNA_F
ClientSampleId :
2043

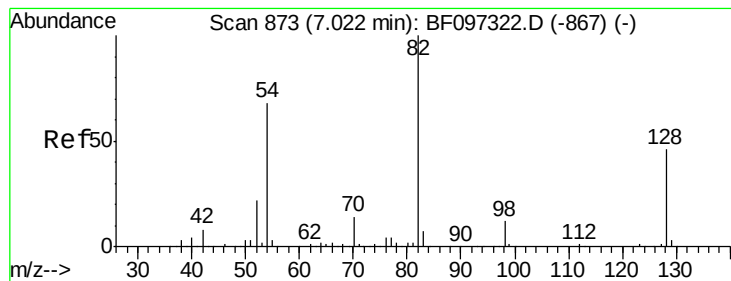
Tot Ion: 70 Resp: 66977
Ion Ratio Lower Upper
70 100
42 59.5 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097371.D
Acq: 4 Aug 2017 22:27

Tgt Ion: 136 Resp: 453164
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 10.0 4.9 7.3#
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 63.58 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.06 min

Lab File: BF097371.D

Acq: 4 Aug 2017 22:27

Instrument :

BNA_F

ClientSampleId :

2043

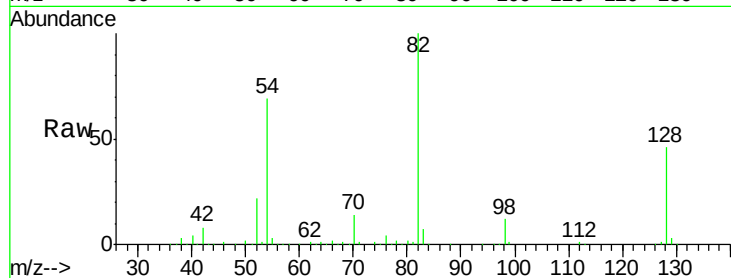
Tot Ion: 82 Resp: 491143

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

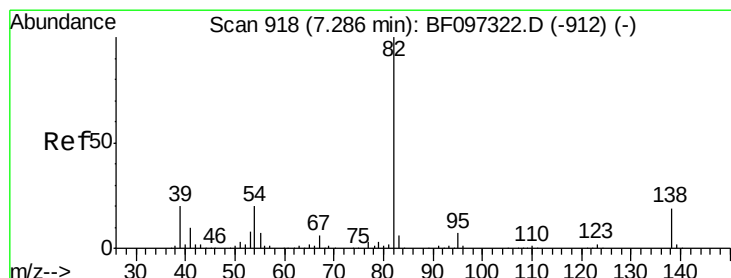
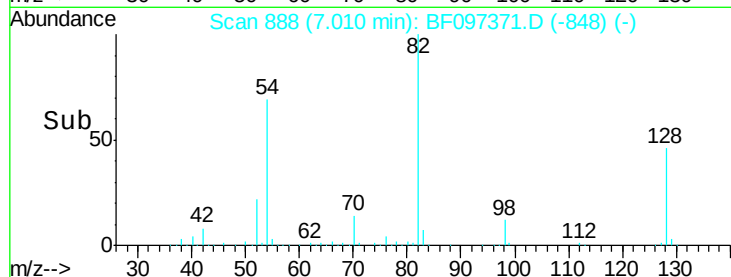
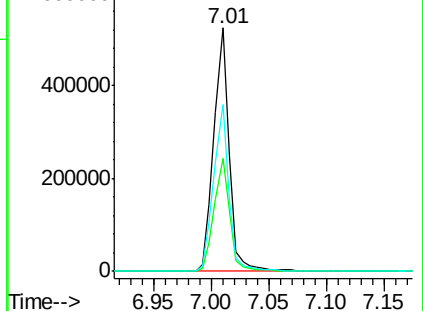
54 68.7 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 31.66 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.33 min

Lab File: BF097371.D

Acq: 4 Aug 2017 22:27

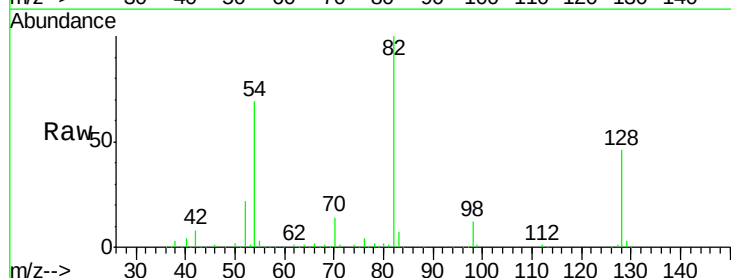
Tgt Ion: 82 Resp: 478995

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

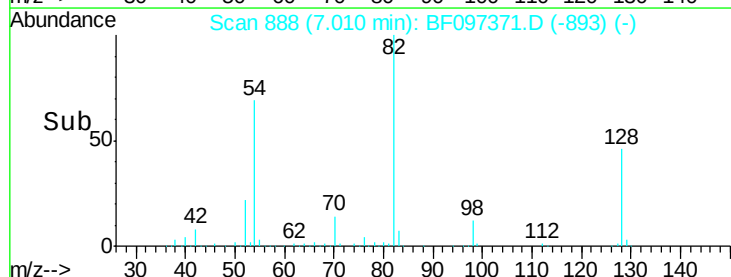
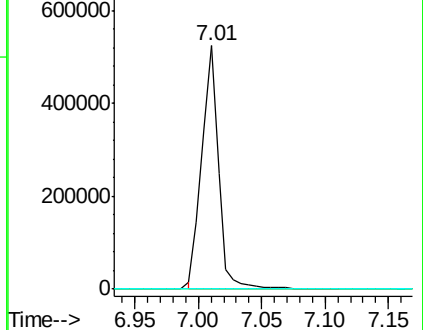
138 0.0 13.1 19.7#

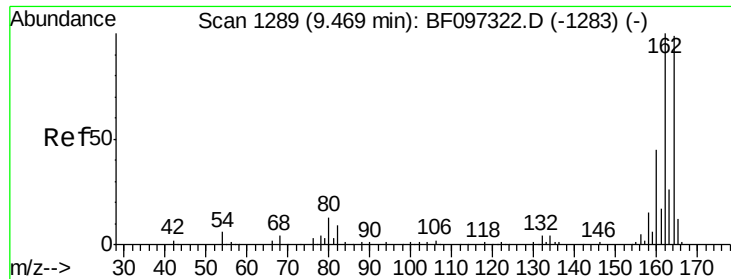


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.46 min Scan# 1304

Delta R.T. -0.08 min

Lab File: BF097371.D

Acq: 4 Aug 2017 22:27

Instrument :

BNA_F

ClientSampleId :

2043

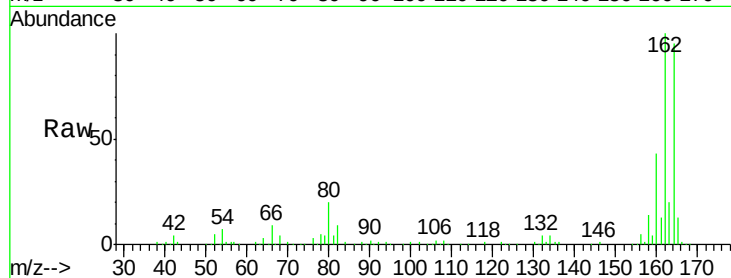
Tot Ion:164 Resp: 176861

Ion Ratio Lower Upper

164 100

162 105.0 82.6 123.8

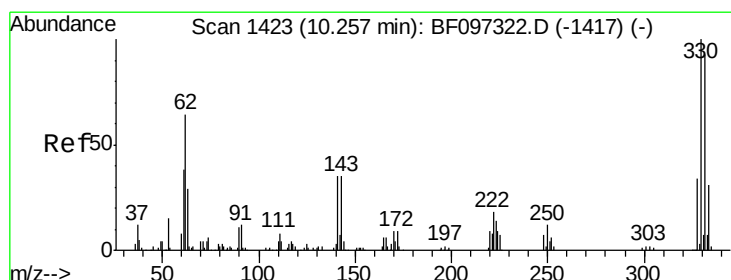
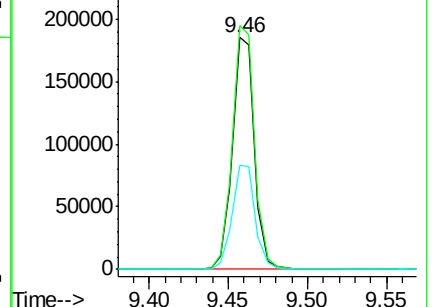
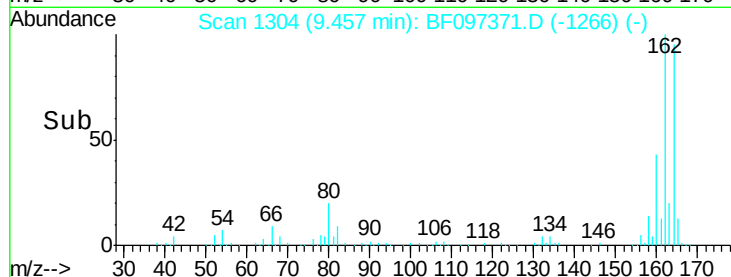
160 44.8 36.2 54.2



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: 101.99 ng

RT: 10.25 min Scan# 1439

Delta R.T. -0.07 min

Lab File: BF097371.D

Acq: 4 Aug 2017 22:27

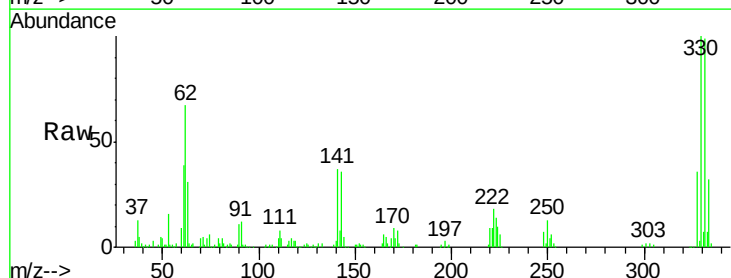
Tgt Ion:330 Resp: 142512

Ion Ratio Lower Upper

330 100

332 98.7 76.6 115.0

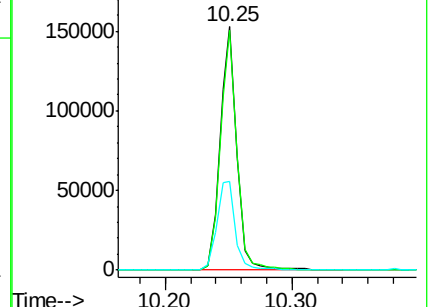
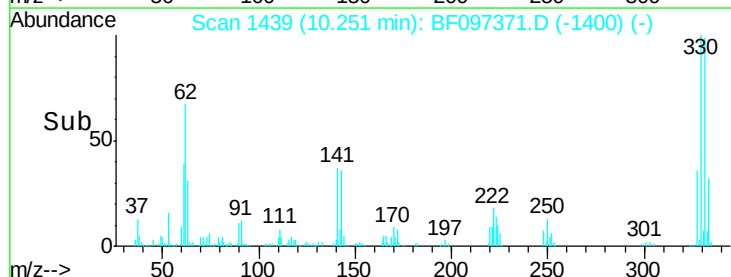
141 40.7 31.4 47.2

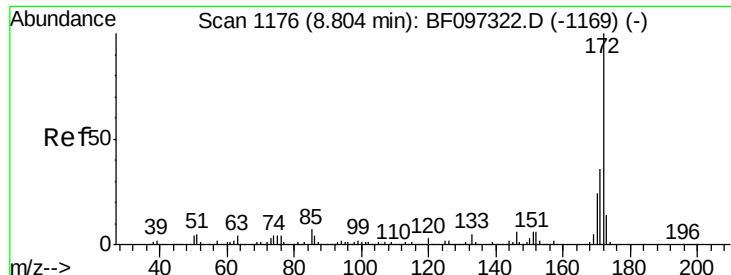


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

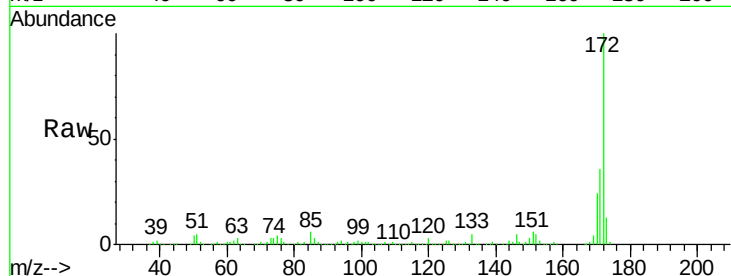




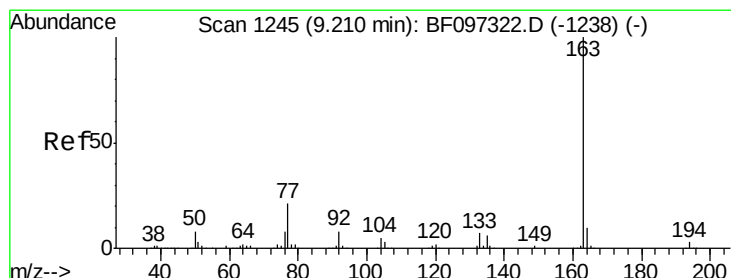
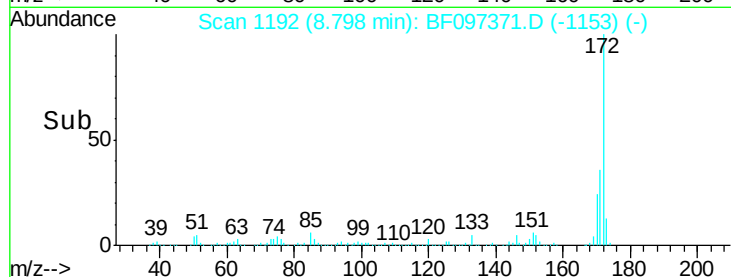
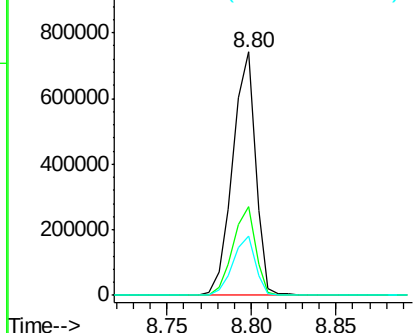
#44
2-Fluorobiphenyl
Concen: 67.30 ng
RT: 8.80 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BF097371.D
Acq: 4 Aug 2017 22:27

Instrument :
BNA_F
ClientSampleId :
2043

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.2	19.8	29.8

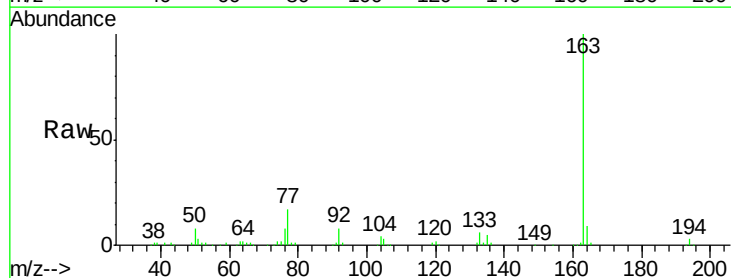


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

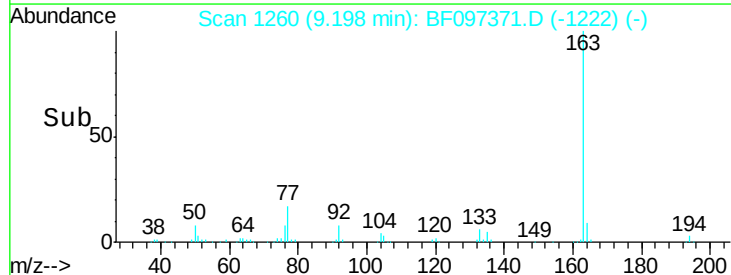
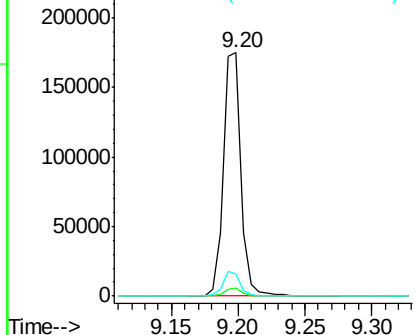


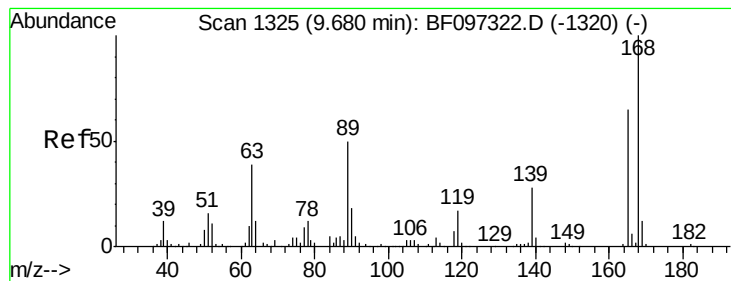
#49
Dimethylphthalate
Concen: 12.15 ng
RT: 9.20 min Scan# 1260
Delta R.T. -0.08 min
Lab File: BF097371.D
Acq: 4 Aug 2017 22:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.3	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: 9.46 min Scan# 1304

Delta R.T. -0.28 min

Lab File: BF097371.D

Acq: 4 Aug 2017 22:27

Instrument :

BNA_F

ClientSampleId :

2043

Tot Ion:165 Resp: 22894

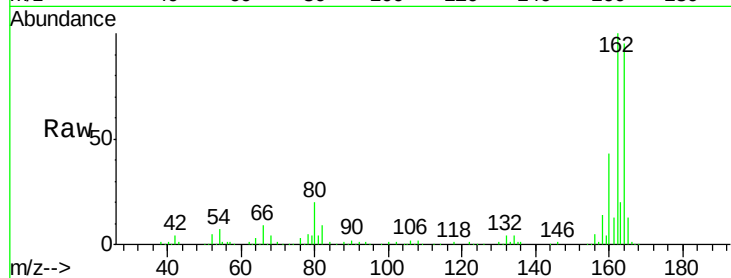
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

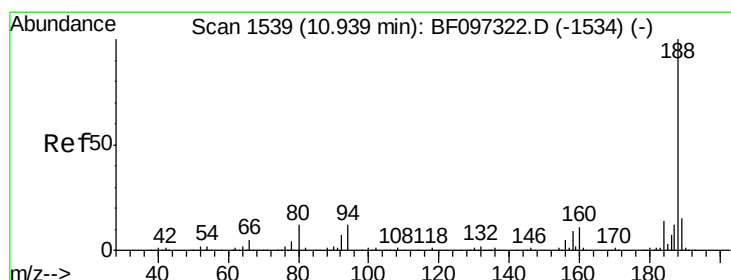
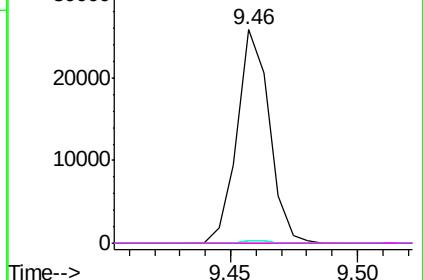
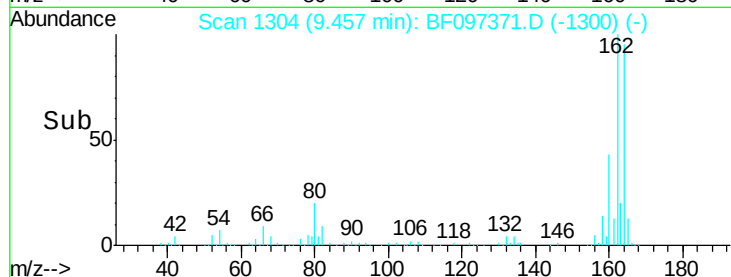


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.93 min Scan# 1555

Delta R.T. -0.07 min

Lab File: BF097371.D

Acq: 4 Aug 2017 22:27

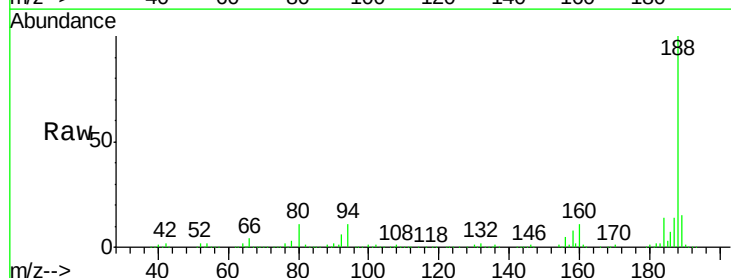
Tgt Ion:188 Resp: 300135

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

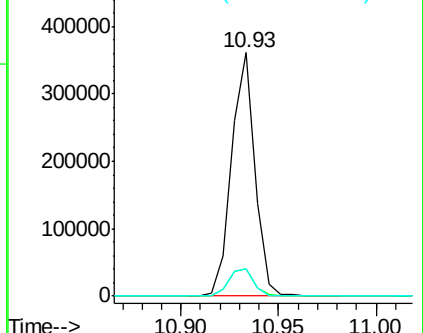
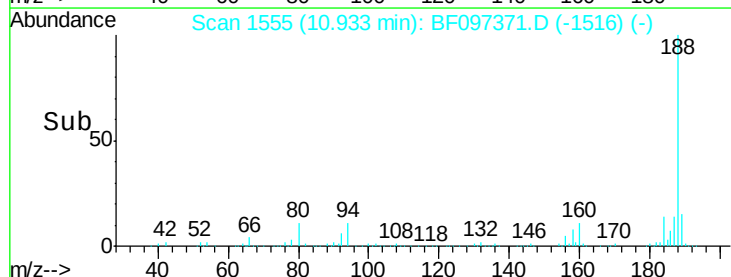
80 11.2 10.2 15.2

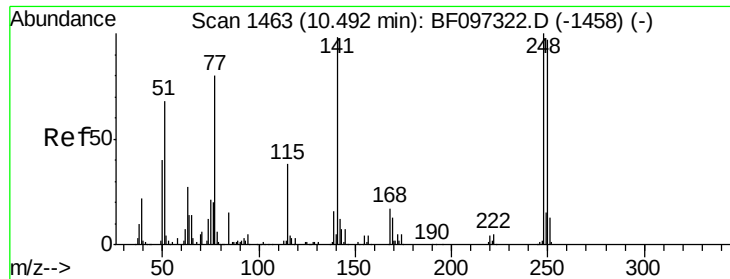


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

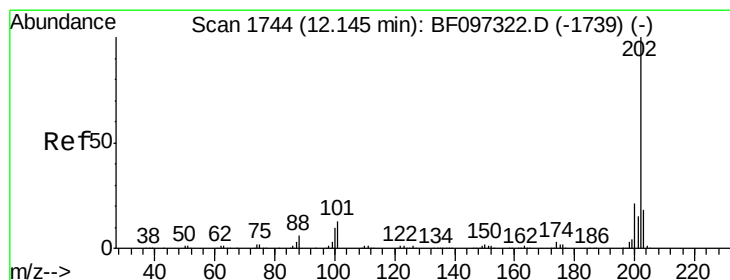
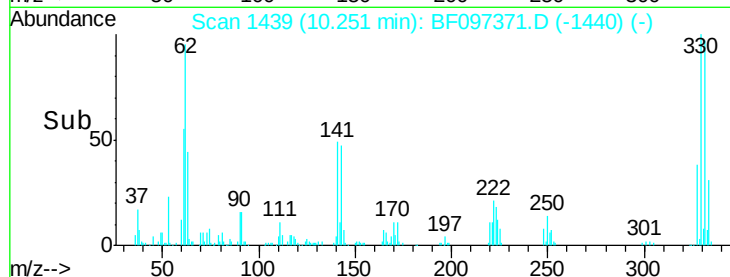
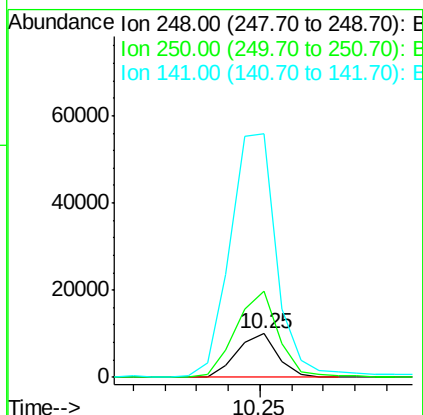
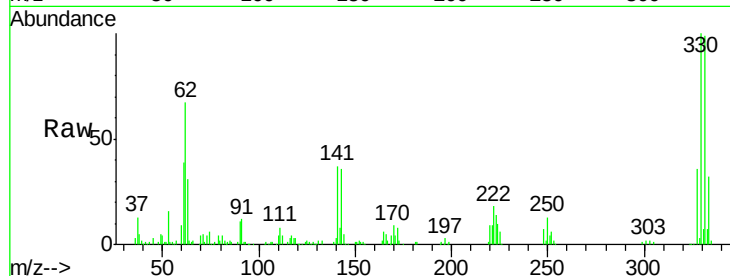




#66
 4-Bromophenyl-phenylether
 Concen: 2.95 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.31 min
 Lab File: BF097371.D
 Acq: 4 Aug 2017 22:27

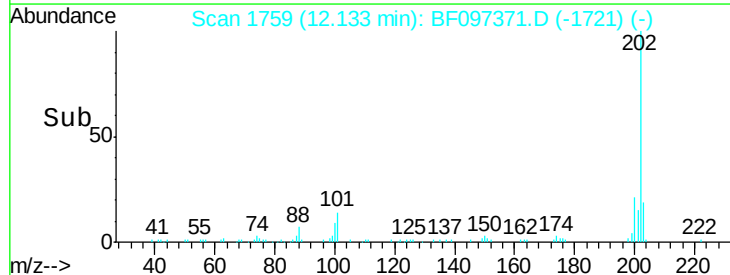
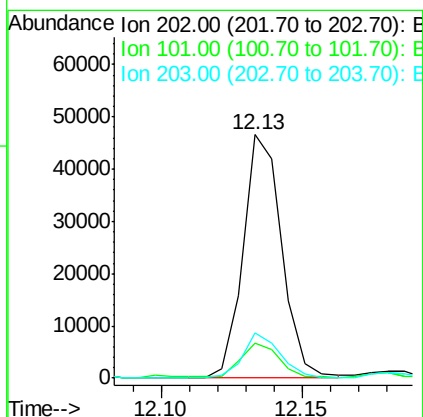
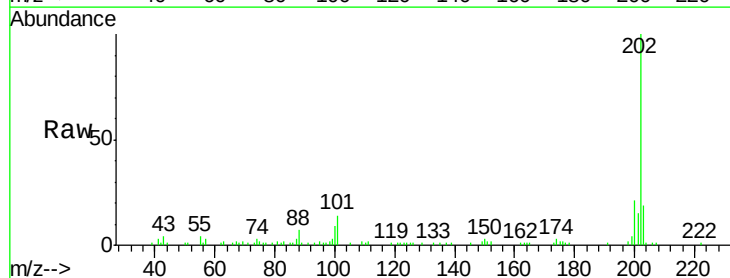
Instrument :
 BNA_F
 ClientSampleId :
 2043

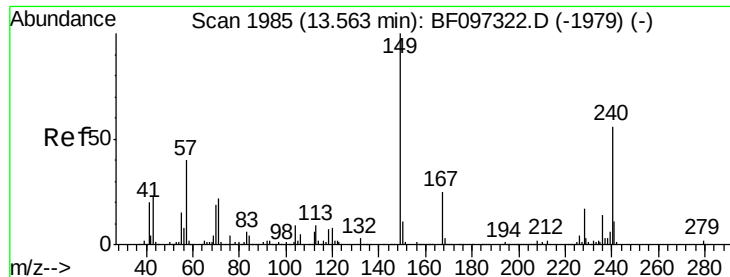
Tot Ion	Ratio	Lower	Upper
248	100		
250	196.1	76.8	115.2#
141	554.8	68.6	103.0#



#74
 Fluoranthene
 Concen: 2.80 ng
 RT: 12.13 min Scan# 1759
 Delta R.T. -0.08 min
 Lab File: BF097371.D
 Acq: 4 Aug 2017 22:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	18.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.55 min Scan# 2000

Delta R.T. -0.08 min

Lab File: BF097371.D

Acq: 4 Aug 2017 22:27

Instrument :

BNA_F

ClientSampleId :

2043

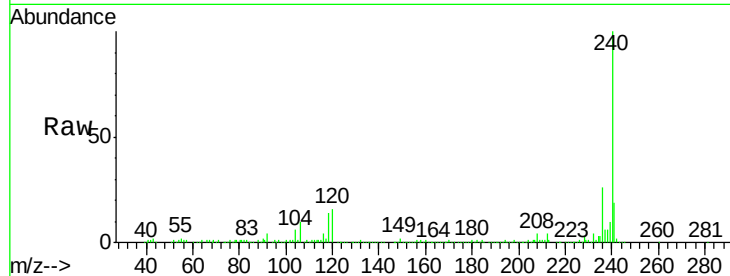
Tot Ion:240 Resp: 224105

Ion Ratio Lower Upper

240 100

120 15.7 5.8 8.8#

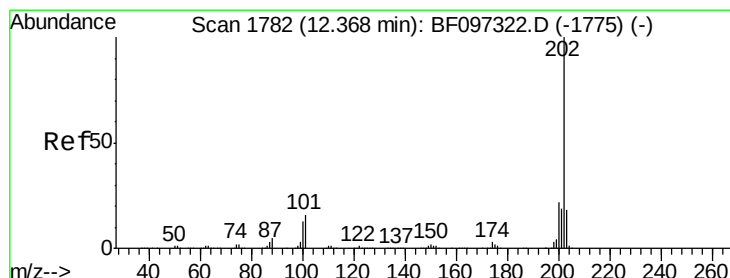
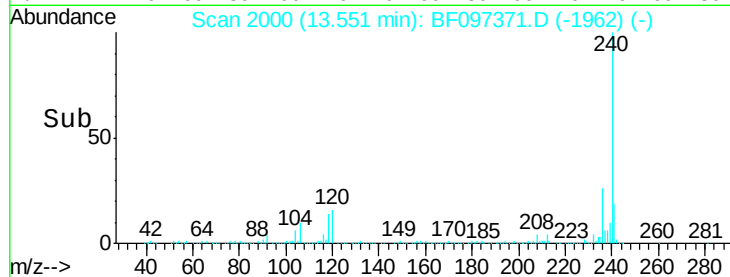
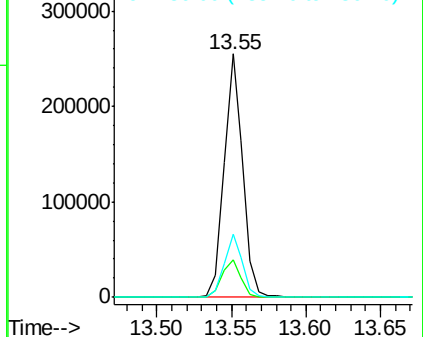
236 25.9 20.5 30.7



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: 2.27 ng

RT: 12.36 min Scan# 1797

Delta R.T. -0.08 min

Lab File: BF097371.D

Acq: 4 Aug 2017 22:27

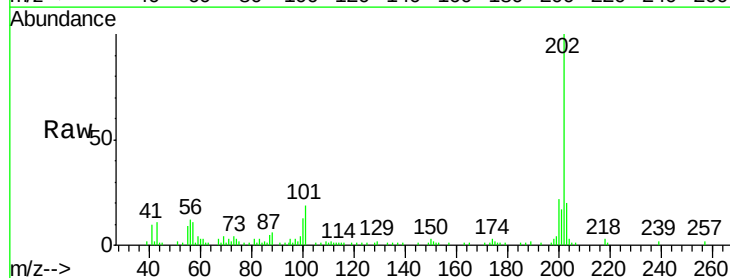
Tgt Ion:202 Resp: 41673

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

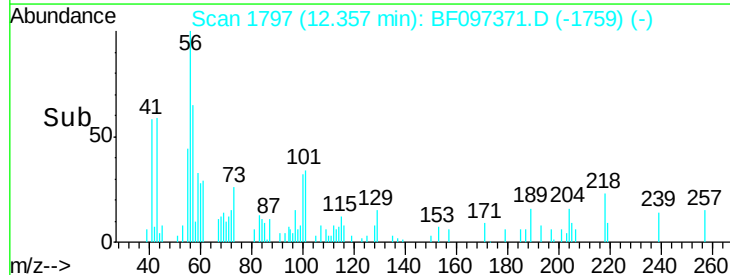
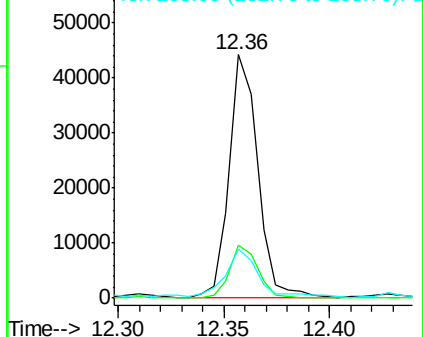
203 20.1 14.4 21.6

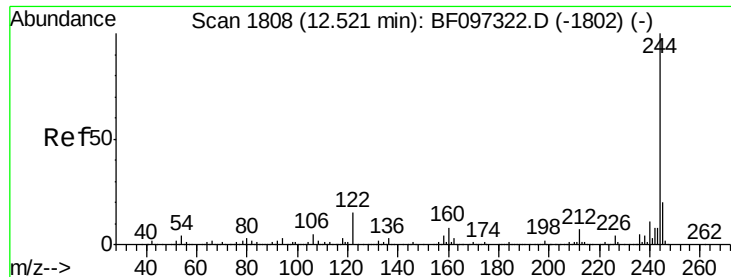


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

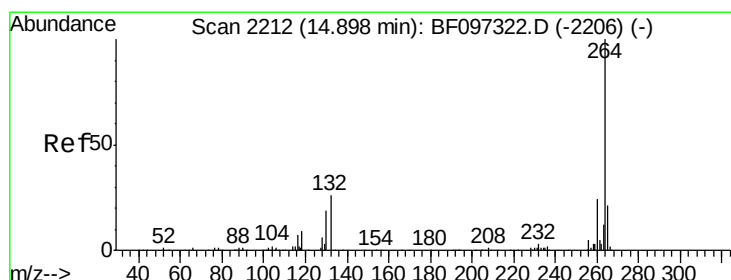
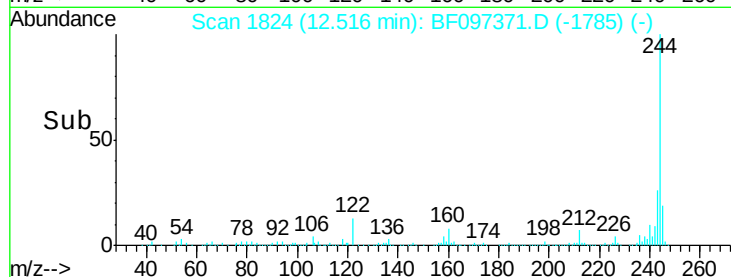
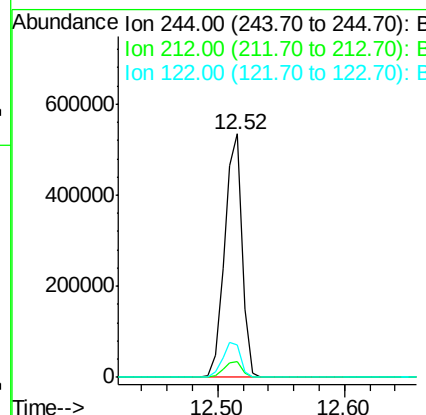
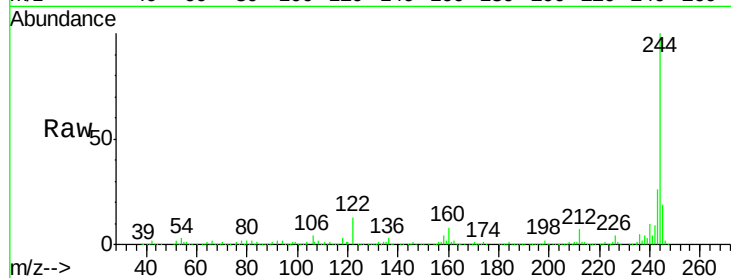




#78
 Terphenyl-d14
 Concen: 46.77 ng
 RT: 12.52 min Scan# 1824
 Delta R.T. -0.07 min
 Lab File: BF097371.D
 Acq: 4 Aug 2017 22:27

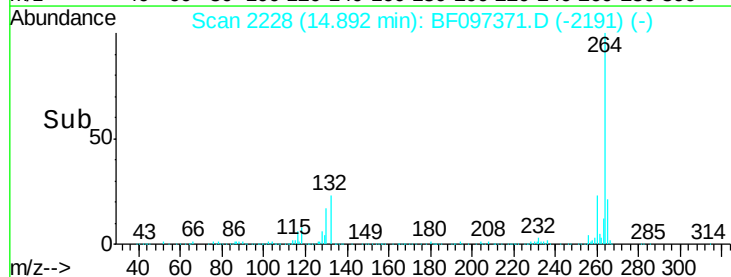
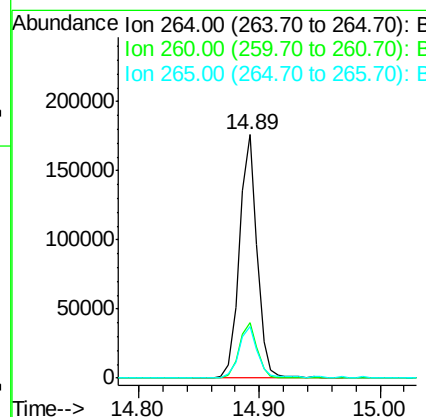
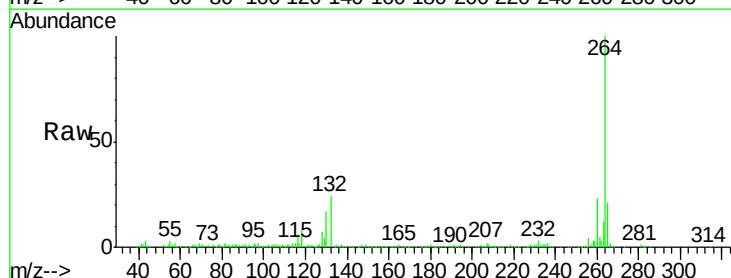
Instrument :
 BNA_F
 ClientSampleId :
 2043

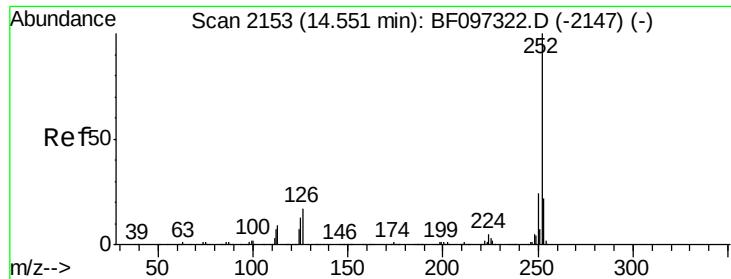
Tot Ion:244 Resp: 514076
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 13.4 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.89 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF097371.D
 Acq: 4 Aug 2017 22:27

Tgt Ion:264 Resp: 180485
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.5 29.3
 265 21.1 17.2 25.8

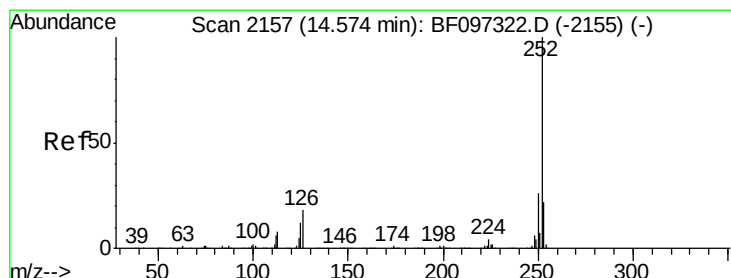
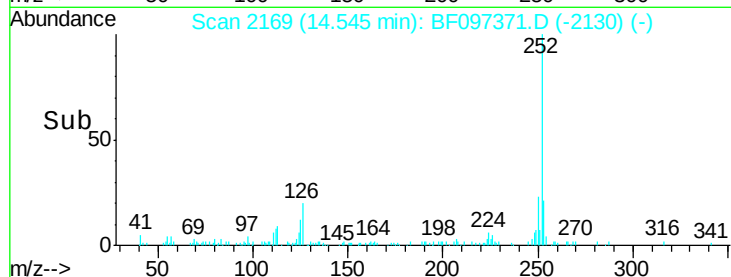
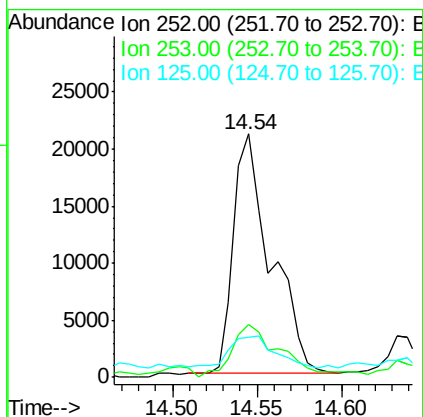
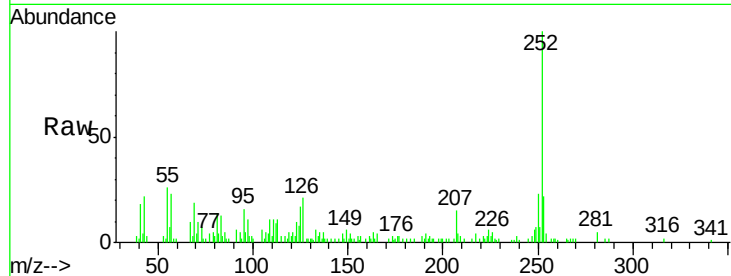




#87
Benzo(b)fluoranthene
Concen: 2.99 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097371.D
Acq: 4 Aug 2017 22:27

Instrument :
BNA_F
ClientSampleId :
2043

Tot Ion:252 Resp: 32454
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 16.5 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 3.14 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.10 min
Lab File: BF097371.D
Acq: 4 Aug 2017 22:27

Tgt Ion:252 Resp: 32454
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 16.5 13.1 19.7

