

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098431.D
 Acq On : 12 Sep 2017 4:43
 Operator : SJ/JU
 Sample : I5138-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:46:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	229702	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	951863	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	395385	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	610528	20.00	ng	0.00
75) Chrysene-d12	13.81	240	379511	20.00	ng	0.00
86) Perylene-d12	15.22	264	380709	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	1976834	127.24	ng	0.01
7) Phenol-d6	6.33	99	2447494	124.08	ng	0.00
23) Nitrobenzene-d5	7.24	82	1522307	89.16	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	345009	130.74	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	1682619	72.13	ng	0.00
78) Terphenyl-d14	12.76	244	918314	52.23	ng	0.00

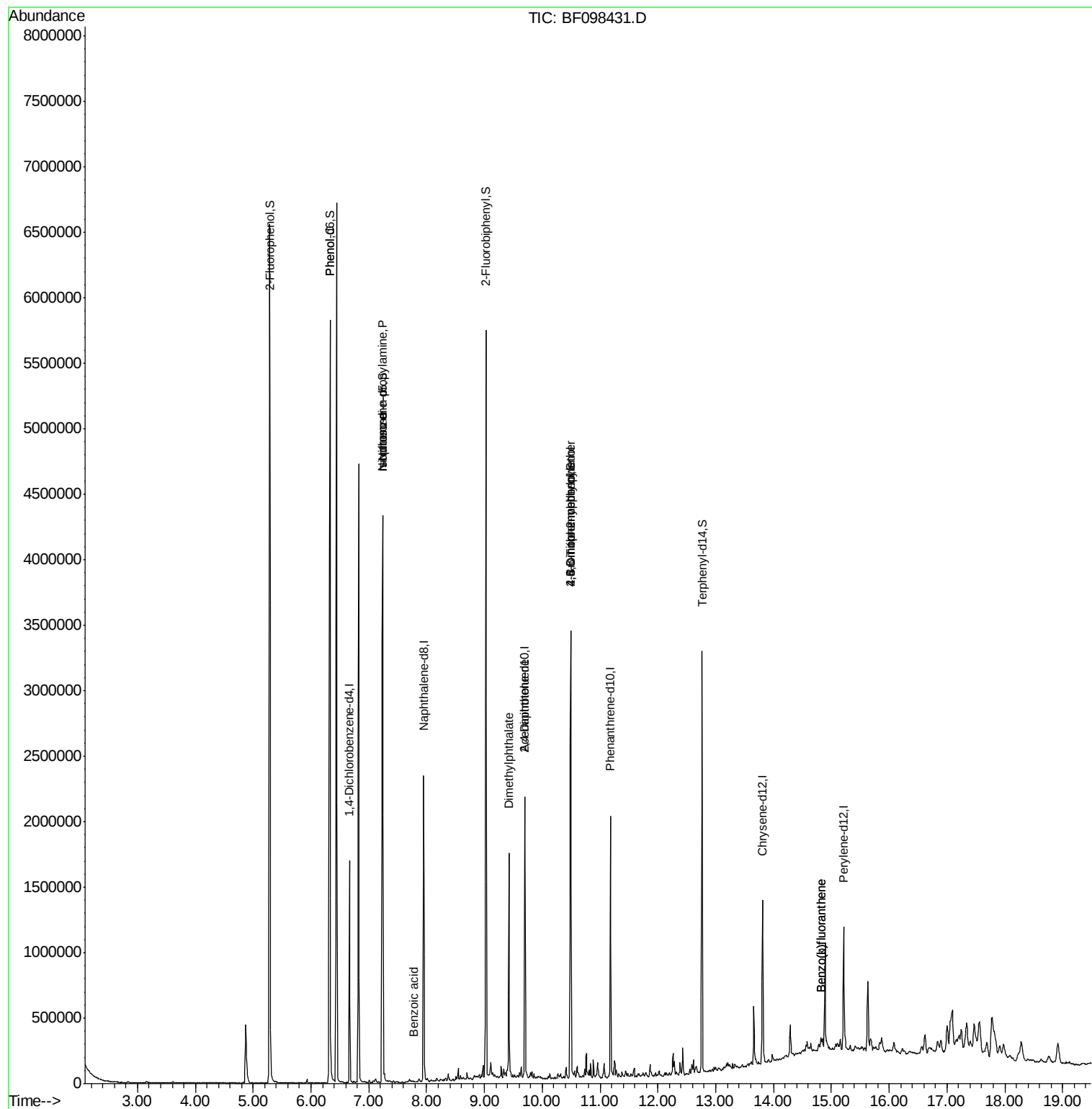
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.33	94	113637	4.96	ng	94
19) n-Nitroso-di-n-propylamine	7.24	70	203286	16.38	ng	# 81
25) Isophorone	7.24	82	1492842	43.21	ng	# 67
32) Benzoic acid	7.77	122	951	8.05	ng	# 66
49) Dimethylphthalate	9.43	163	665761	21.75	ng	99
56) 2,4-Dinitrotoluene	9.70	165	51877	6.79	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.49	198	784	5.15	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	25603	4.42	ng	# 1
87) Benzo(b)fluoranthene	14.82	252	50113	2.09	ng	# 89
88) Benzo(k)fluoranthene	14.82	252	50113	2.24	ng	# 93

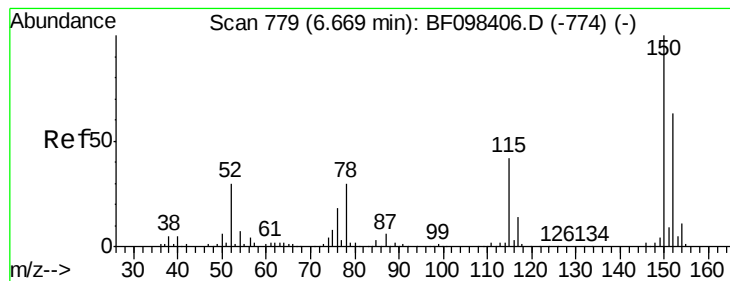
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF098431.D

Acq: 12 Sep 2017 4:43

Instrument :

BNA_F

ClientSampleId :

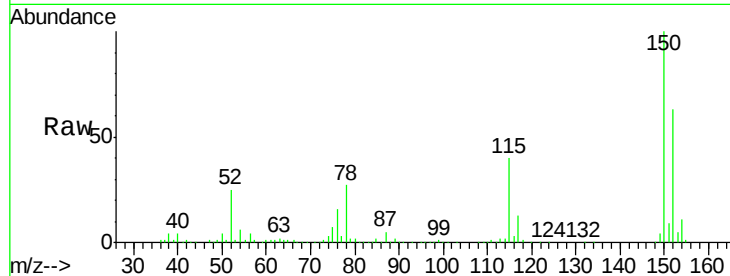
Tot Ion:152 Resp: 229702

Ion Ratio Lower Upper

152 100

150 159.5 126.2 189.2

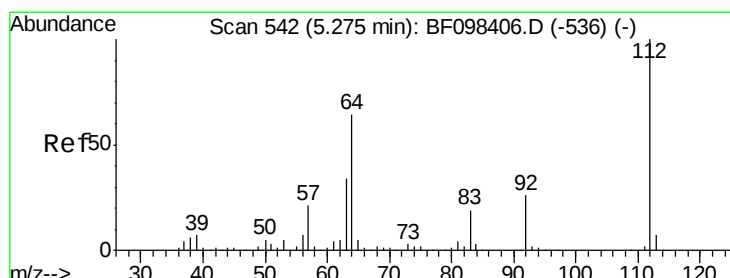
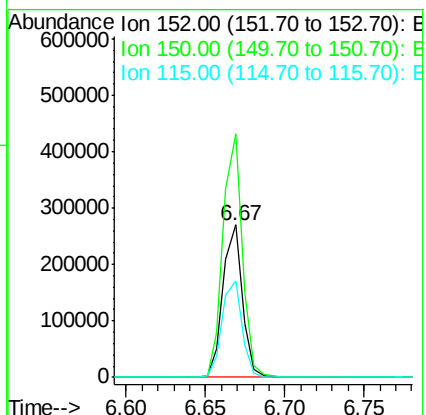
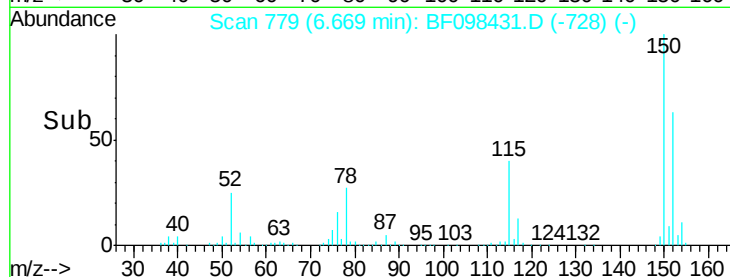
115 63.2 52.2 78.2



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: 127.24 ng

RT: 5.29 min Scan# 544

Delta R.T. 0.01 min

Lab File: BF098431.D

Acq: 12 Sep 2017 4:43

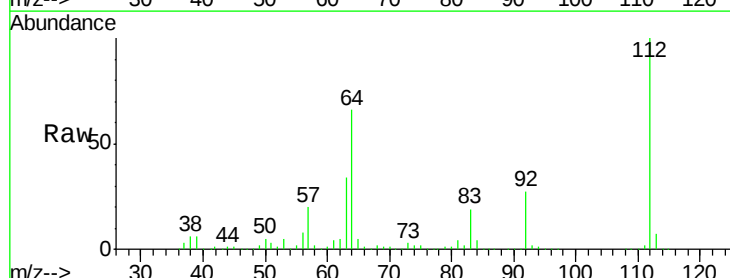
Tgt Ion:112 Resp: 1976834

Ion Ratio Lower Upper

112 100

64 66.4 46.0 69.0

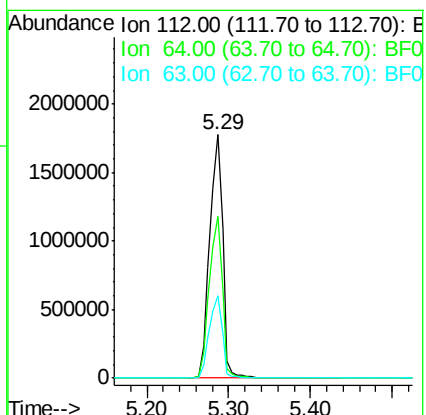
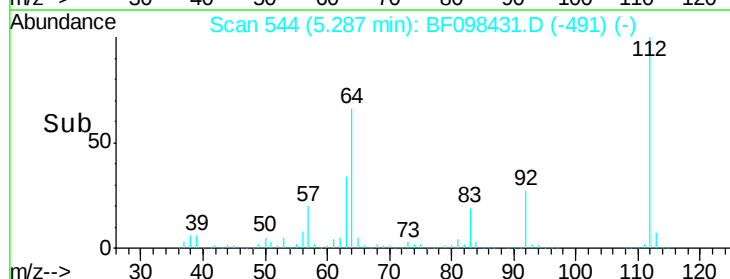
63 33.9 23.4 35.0



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: 124.08 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF098431.D

Acq: 12 Sep 2017 4:43

Instrument :

BNA_F

ClientSampled :

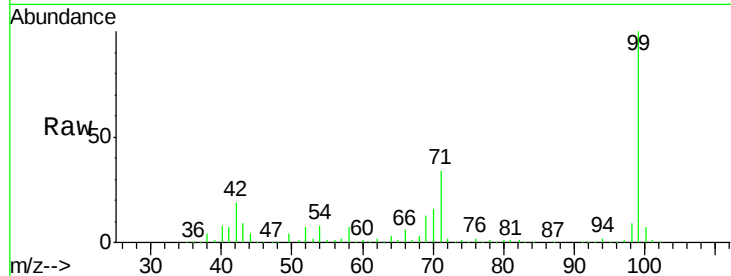
Tot Ion: 99 Resp: 2447494

Ion Ratio Lower Upper

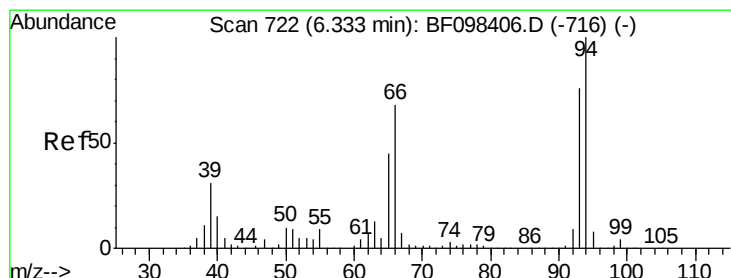
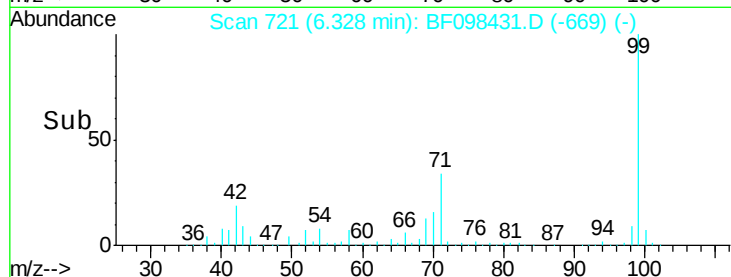
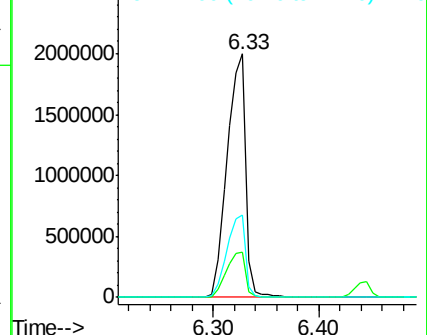
99 100

42 18.6 13.5 20.3

71 33.8 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: 4.96 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF098431.D

Acq: 12 Sep 2017 4:43

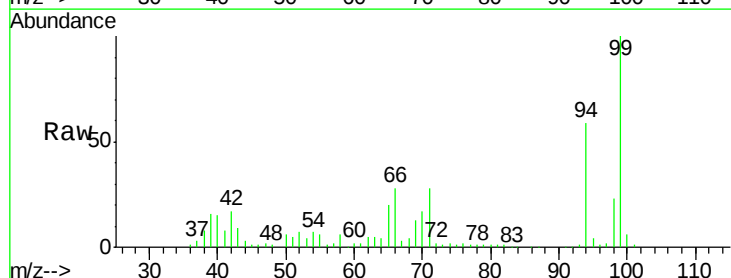
Tgt Ion: 94 Resp: 113637

Ion Ratio Lower Upper

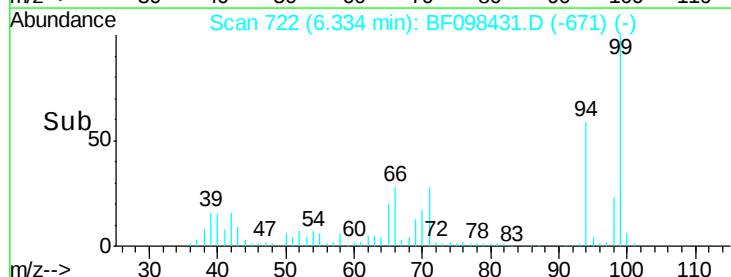
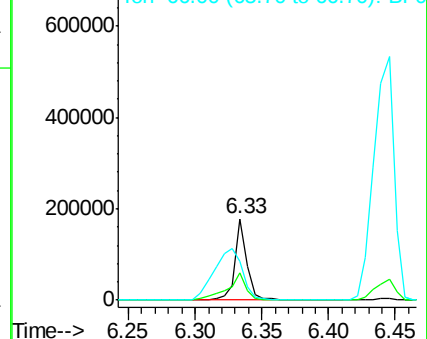
94 100

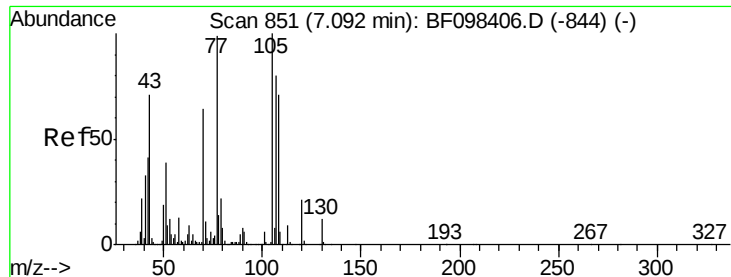
65 33.5 9.9 49.9

66 47.0 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: 16.38 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.15 min

Lab File: BF098431.D

Acq: 12 Sep 2017 4:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 203286

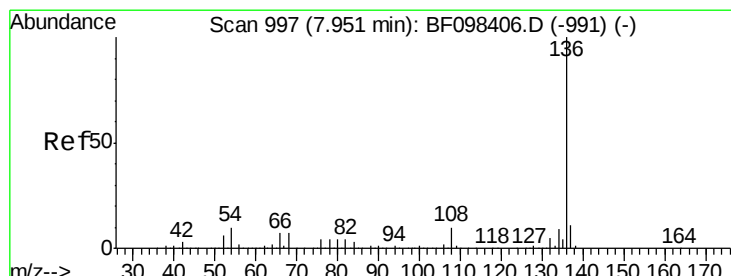
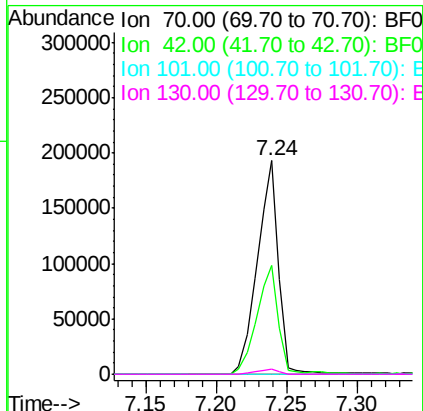
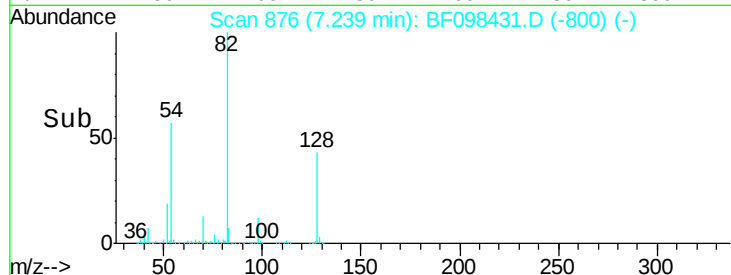
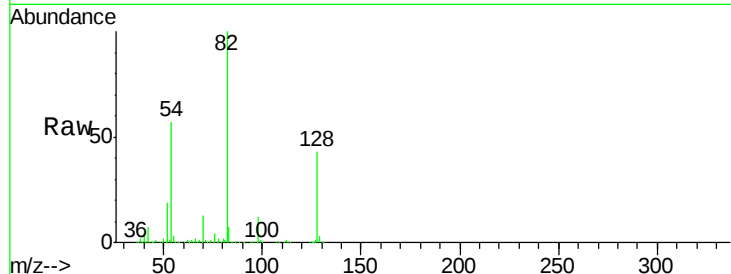
Ion Ratio Lower Upper

70 100

42 50.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF098431.D

Acq: 12 Sep 2017 4:43

Tgt Ion: 136 Resp: 951863

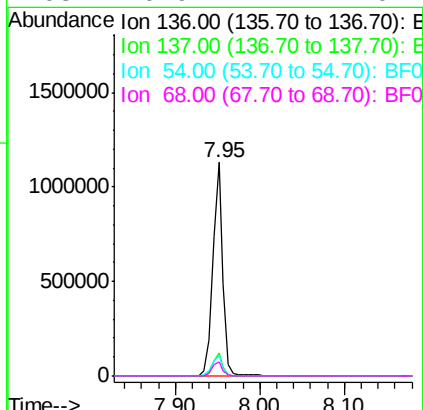
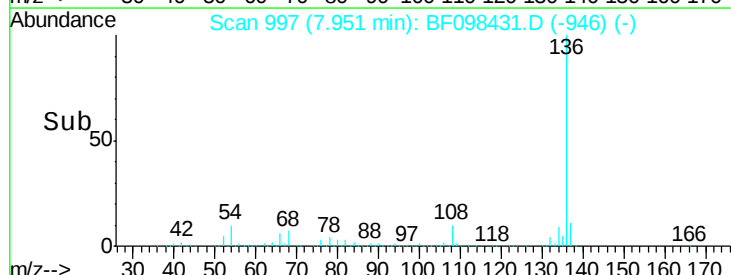
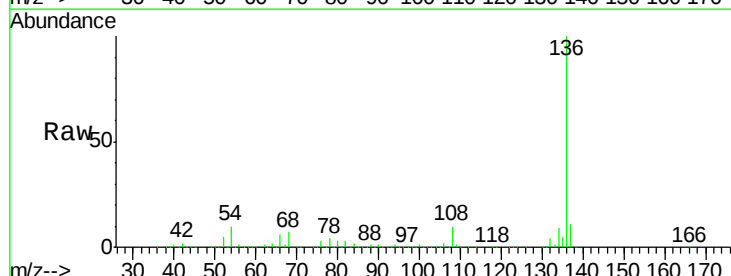
Ion Ratio Lower Upper

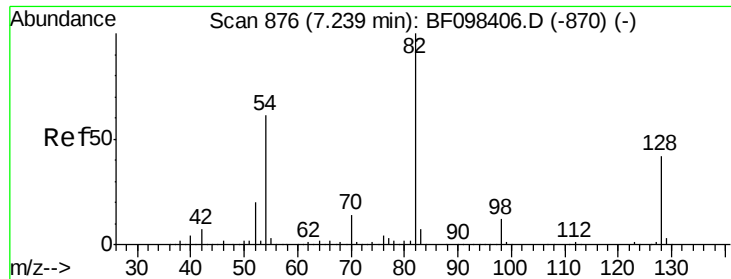
136 100

137 11.0 8.5 12.7

54 9.8 4.9 7.3#

68 6.9 4.1 6.1#

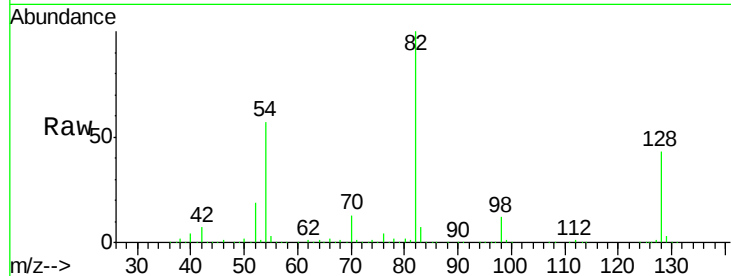




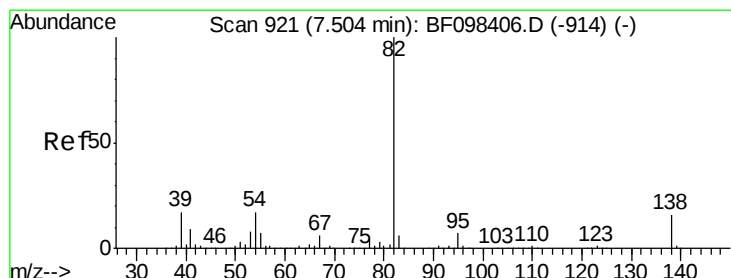
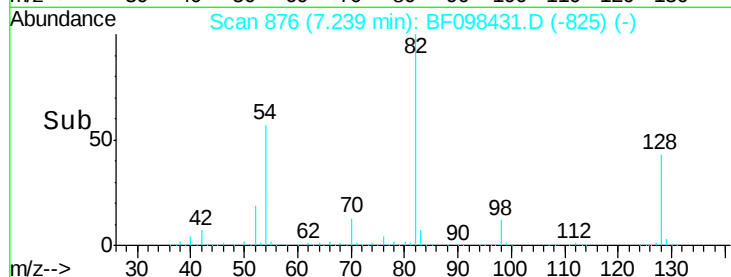
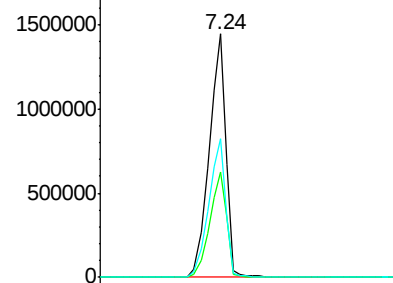
#23
 Nitrobenzene-d5
 Concen: 89.16 ng
 RT: 7.24 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: BF098431.D
 Acq: 12 Sep 2017 4:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 1522307
 Ion Ratio Lower Upper
 82 100
 128 43.4 34.0 51.0
 54 57.1 42.2 63.2

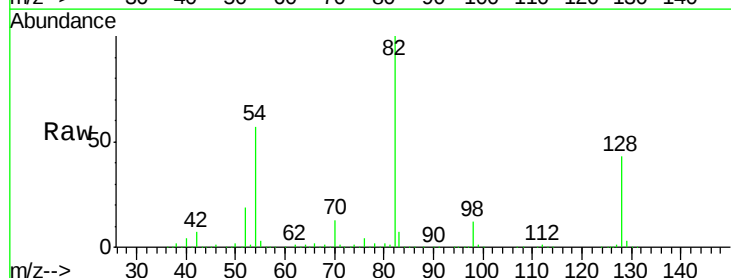


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

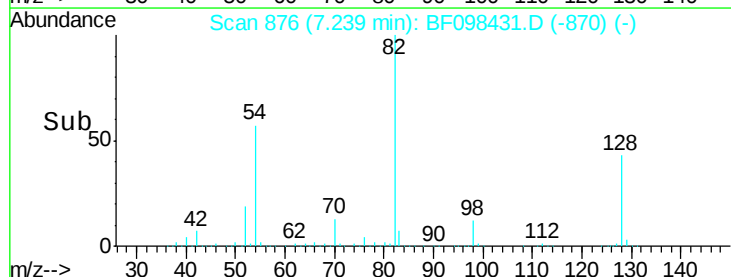
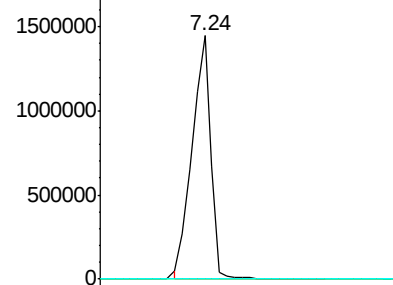


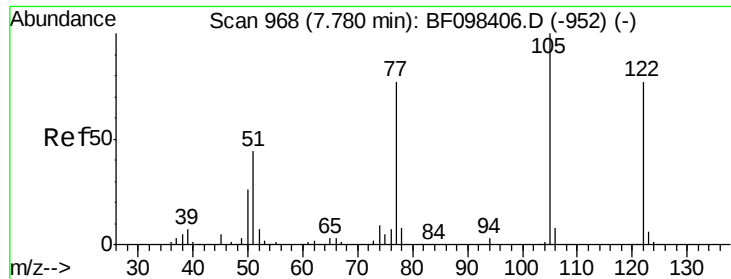
#25
 Isophorone
 Concen: 43.21 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.26 min
 Lab File: BF098431.D
 Acq: 12 Sep 2017 4:43

Tgt Ion: 82 Resp: 1492842
 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

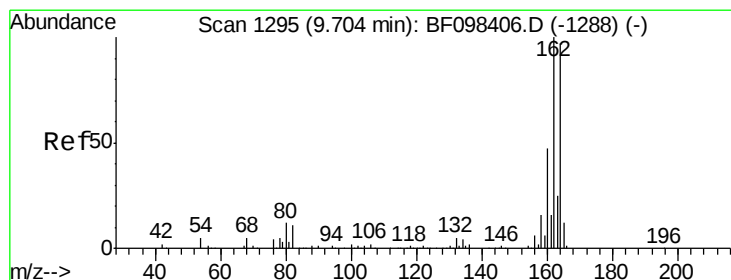
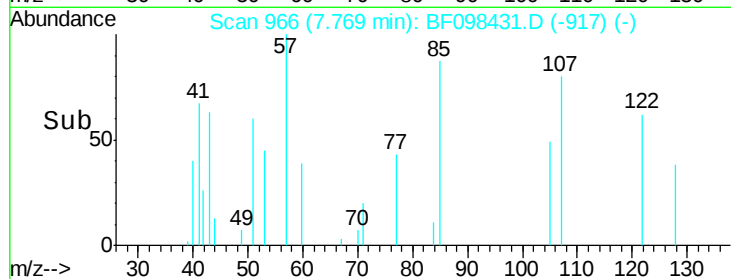
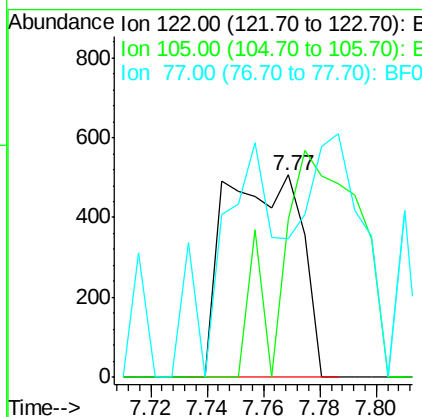
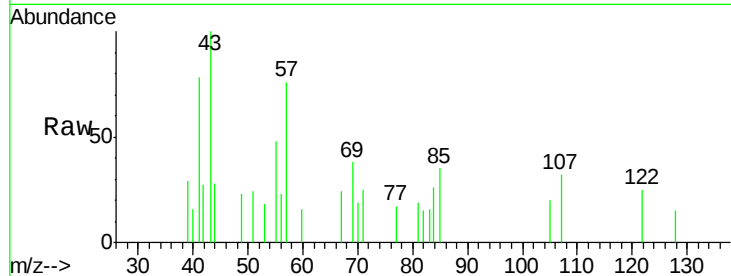




#32
Benzoic acid
Concen: 8.05 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.01 min
Lab File: BF098431.D
Acq: 12 Sep 2017 4:43

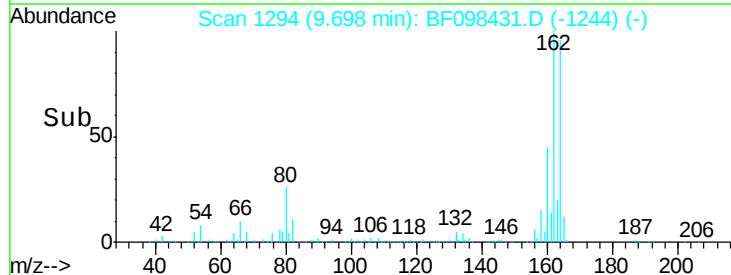
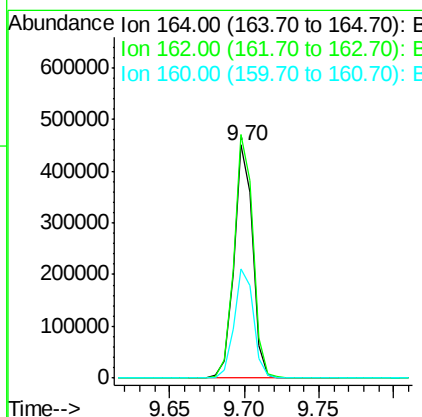
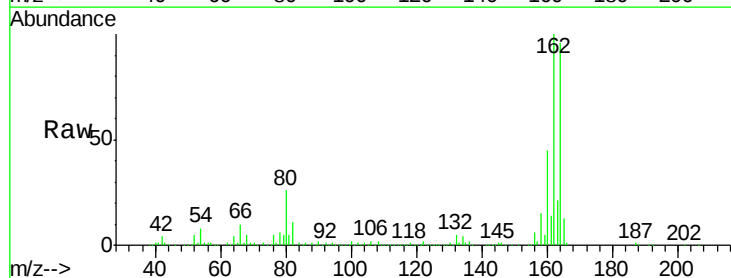
Instrument :
BNA_F
ClientSampleId :

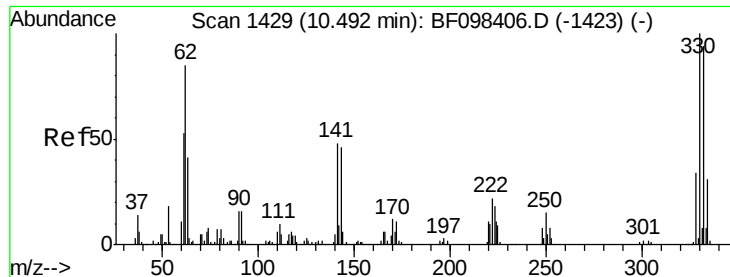
Tot Ion:122 Resp: 951
Ion Ratio Lower Upper
122 100
105 78.1 103.3 143.3#
77 68.4 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF098431.D
Acq: 12 Sep 2017 4:43

Tgt Ion:164 Resp: 395385
Ion Ratio Lower Upper
164 100
162 104.5 82.6 123.8
160 47.0 36.2 54.2

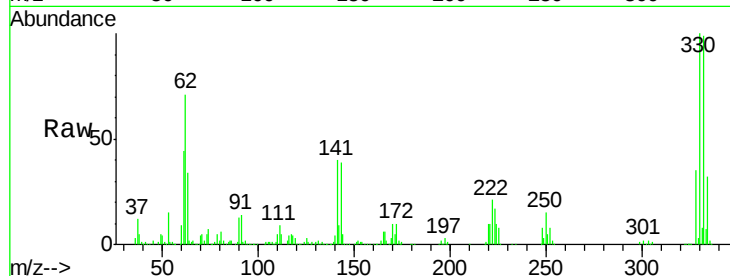




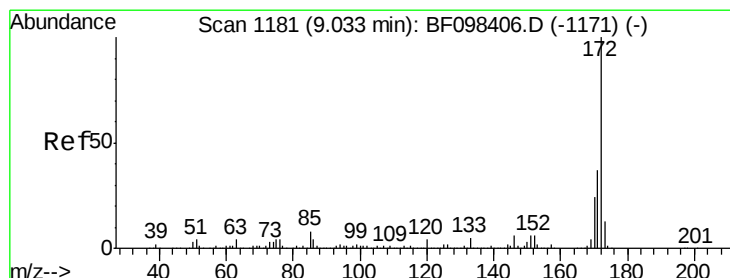
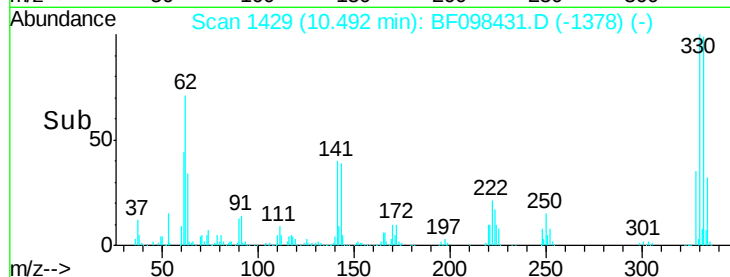
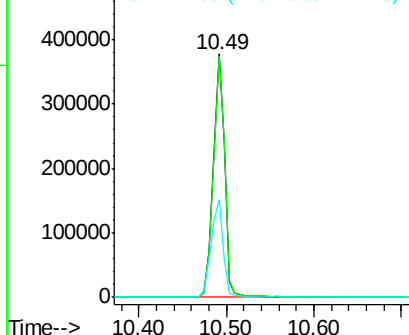
#41
 2,4,6-Tribromophenol
 Concen: 130.74 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BF098431.D
 Acq: 12 Sep 2017 4:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 345009
 Ion Ratio Lower Upper
 330 100
 332 98.4 76.6 115.0
 141 42.4 31.4 47.2

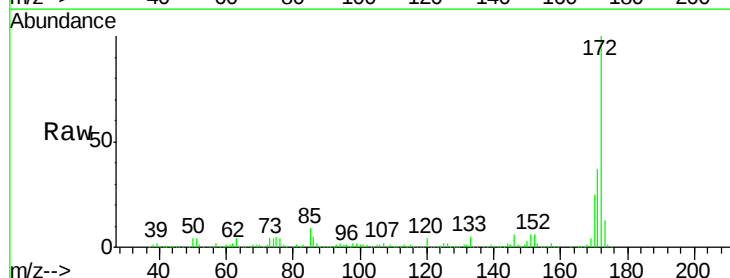


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

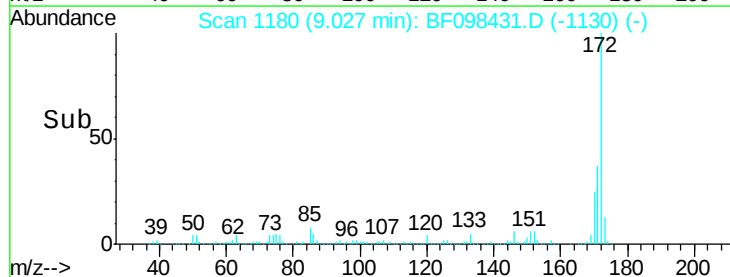
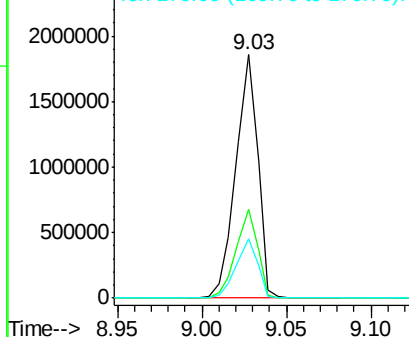


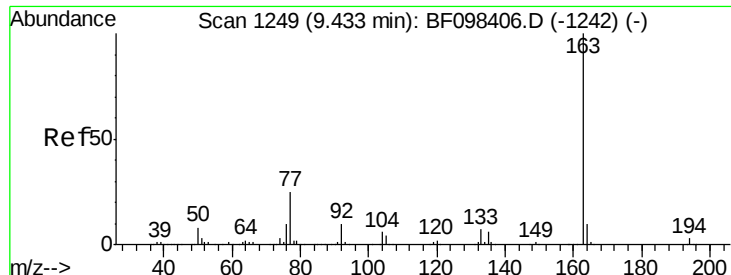
#44
 2-Fluorobiphenyl
 Concen: 72.13 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF098431.D
 Acq: 12 Sep 2017 4:43

Tgt Ion:172 Resp: 1682619
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.5 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

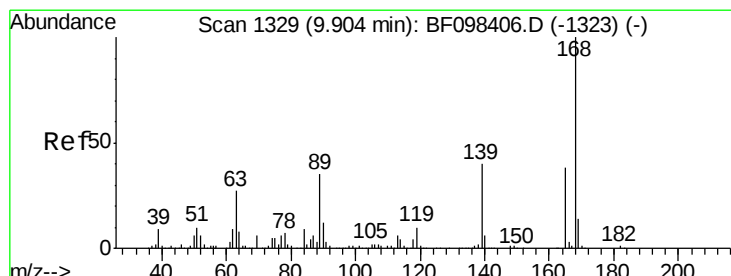
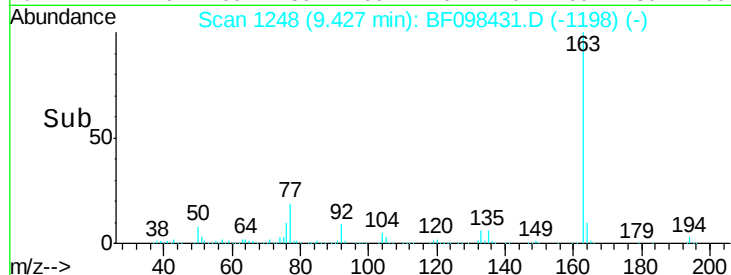
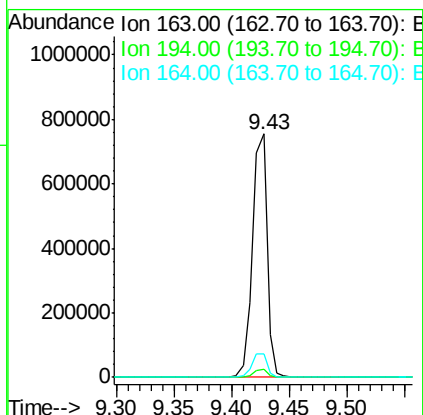
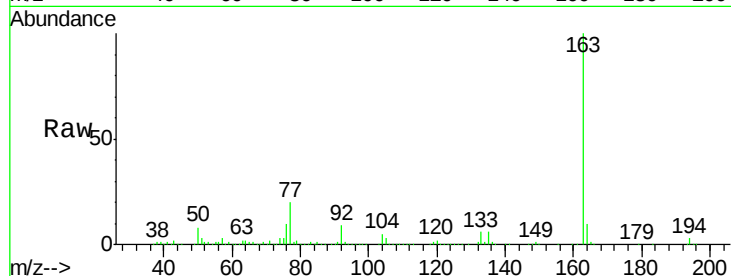




#49
Dimethylphthalate
Concen: 21.75 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF098431.D
Acq: 12 Sep 2017 4:43

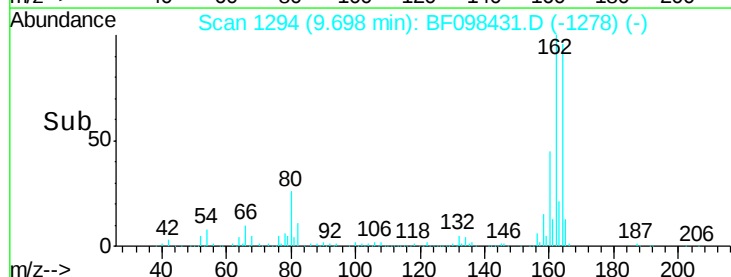
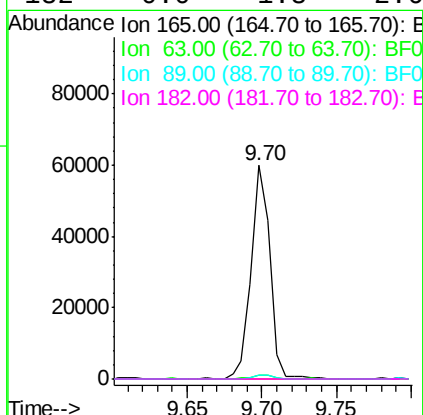
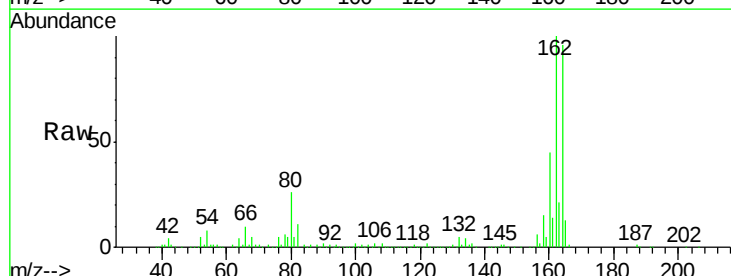
Instrument :
BNA_F
ClientSampled :

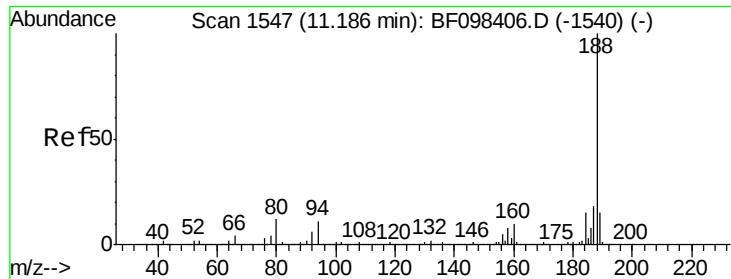
Tot Ion:163 Resp: 665761
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.9 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.79 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.21 min
Lab File: BF098431.D
Acq: 12 Sep 2017 4:43

Tgt Ion:165 Resp: 51877
Ion Ratio Lower Upper
165 100
63 1.7 25.4 38.0#
89 1.7 46.4 69.6#
182 0.0 1.8 2.6#

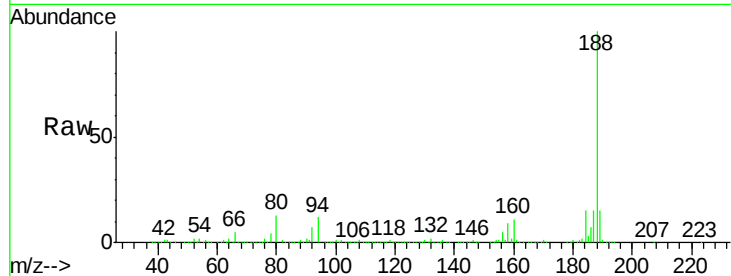




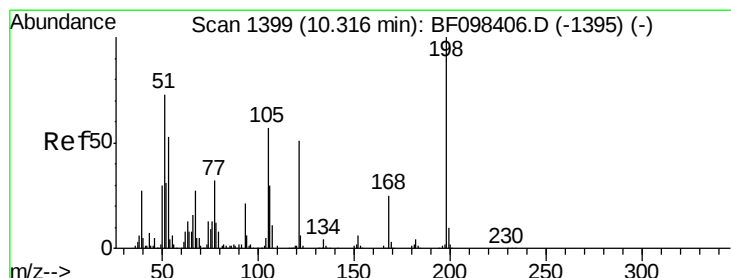
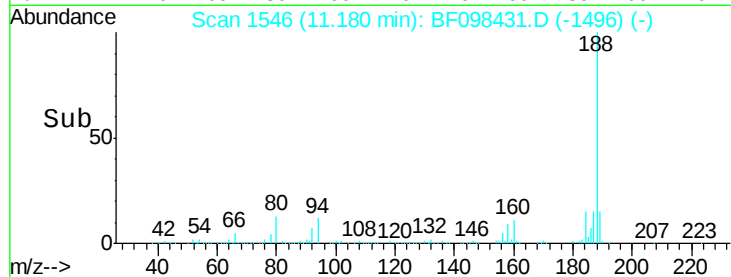
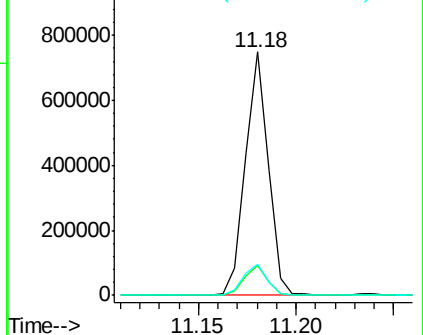
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF098431.D
Acq: 12 Sep 2017 4:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 610528
Ion Ratio Lower Upper
188 100
94 12.0 9.4 14.2
80 12.8 10.2 15.2

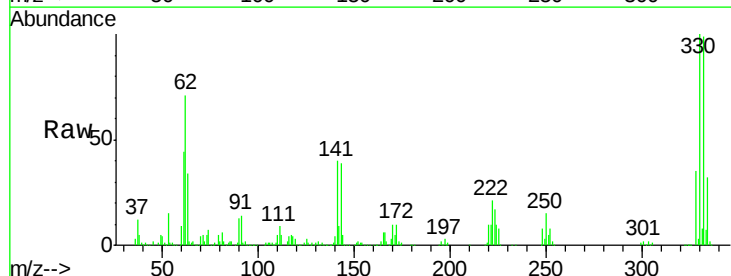


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

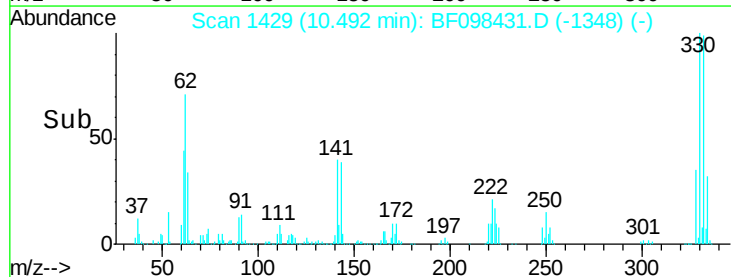
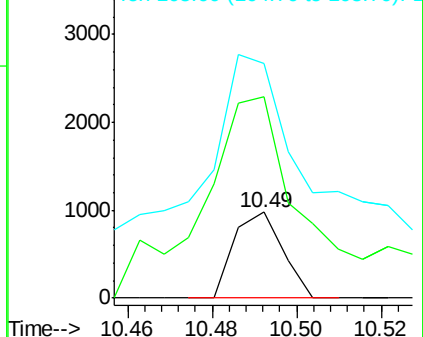


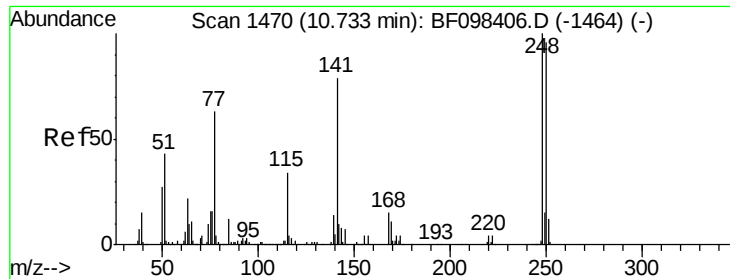
#64
4,6-Dinitro-2-methylphenol
Concen: 5.15 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.18 min
Lab File: BF098431.D
Acq: 12 Sep 2017 4:43

Tgt Ion:198 Resp: 784
Ion Ratio Lower Upper
198 100
51 234.8 53.2 93.2#
105 273.2 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

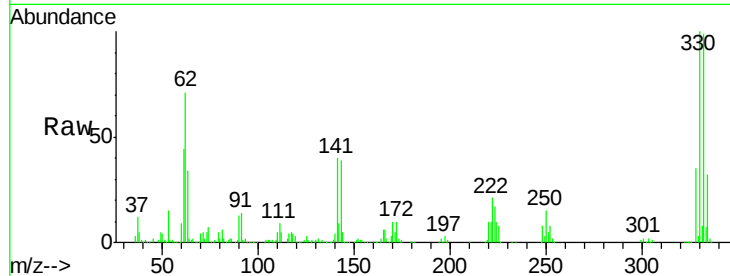




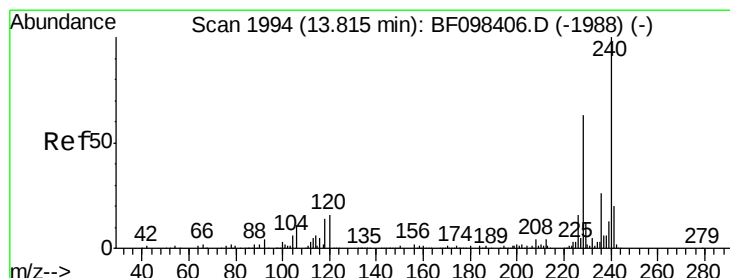
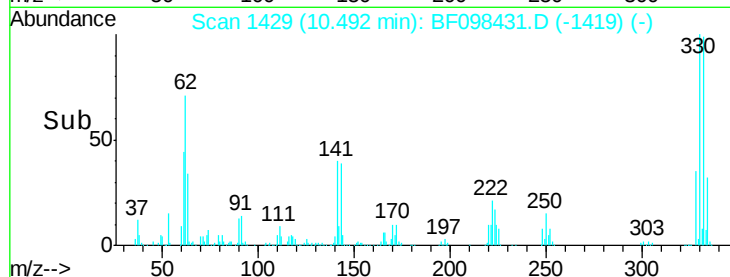
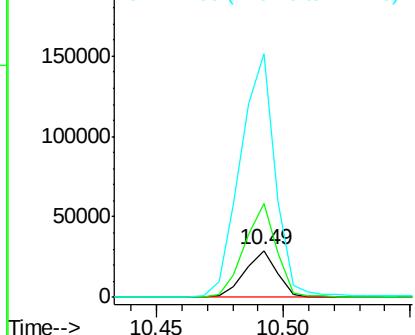
#66
 4-Bromophenyl-phenylether
 Concen: 4.42 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.24 min
 Lab File: BF098431.D
 Acq: 12 Sep 2017 4:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 25603
 Ion Ratio Lower Upper
 248 100
 250 202.4 76.8 115.2#
 141 523.4 68.6 103.0#

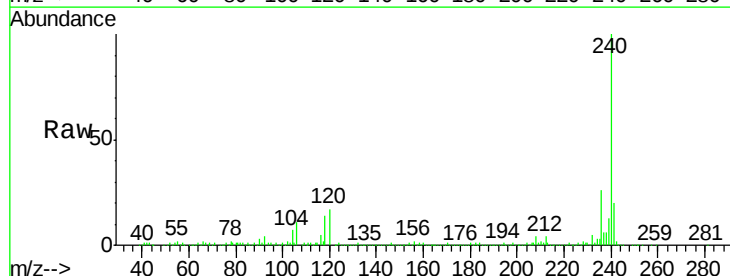


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

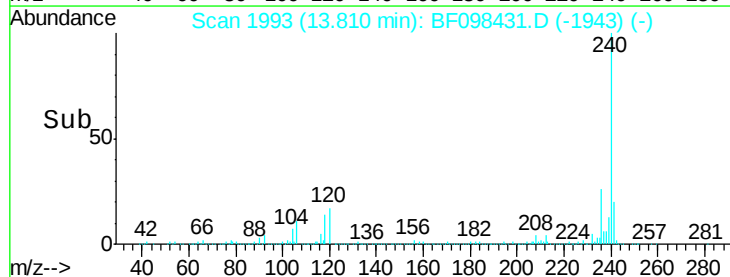
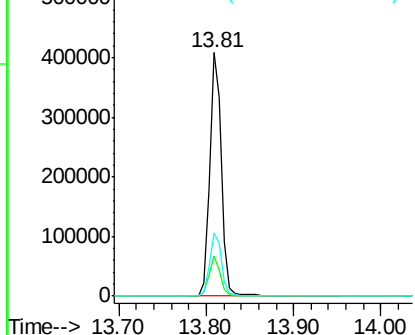


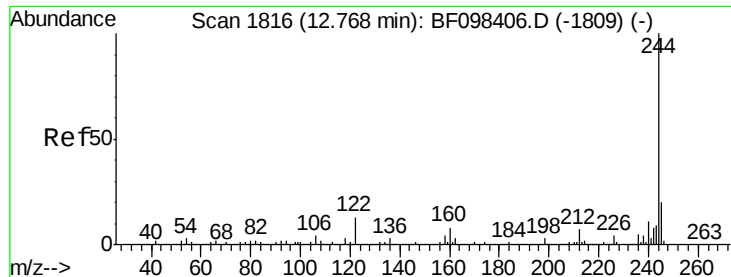
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.01 min
 Lab File: BF098431.D
 Acq: 12 Sep 2017 4:43

Tgt Ion:240 Resp: 379511
 Ion Ratio Lower Upper
 240 100
 120 16.7 5.8 8.8#
 236 26.0 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





#78

Terphenyl-d14

Concen: 52.23 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098431.D

Acq: 12 Sep 2017 4:43

Instrument :

BNA_F

ClientSampled :

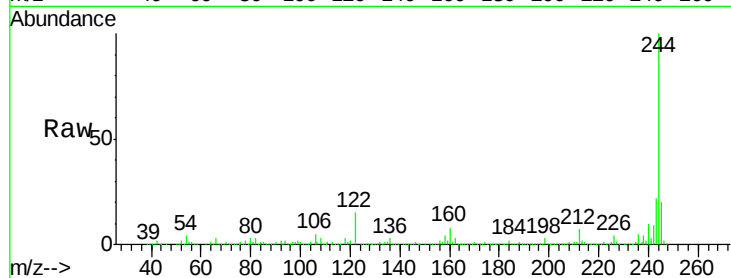
Tot Ion:244 Resp: 918314

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

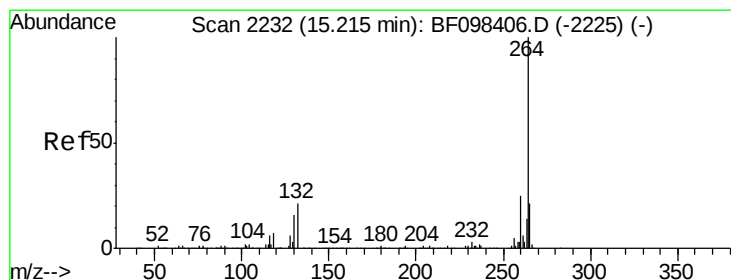
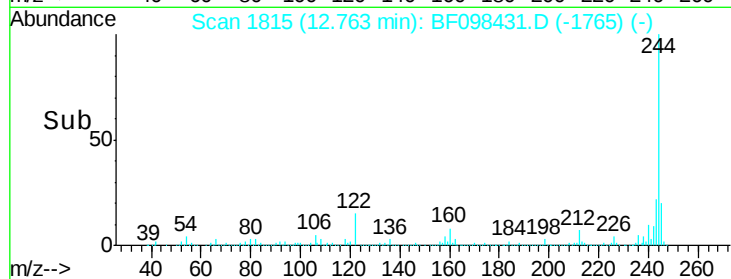
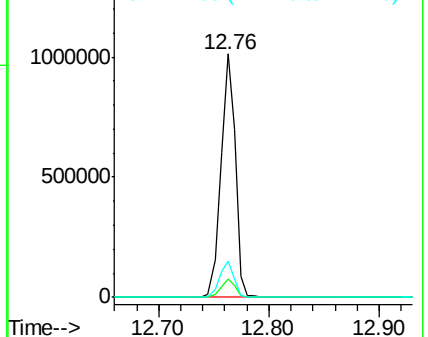
122 14.9 10.3 15.5



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: 15.22 min Scan# 2232

Delta R.T. 0.00 min

Lab File: BF098431.D

Acq: 12 Sep 2017 4:43

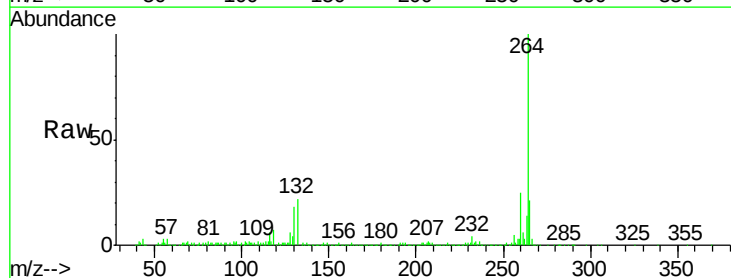
Tgt Ion:264 Resp: 380709

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

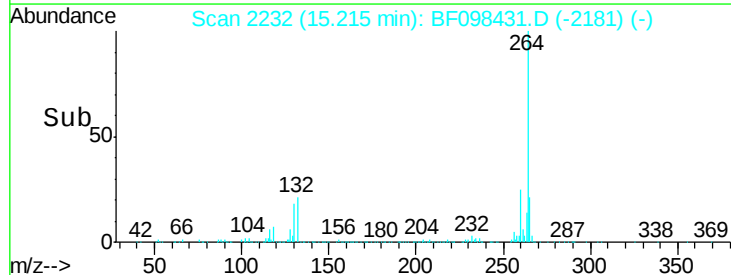
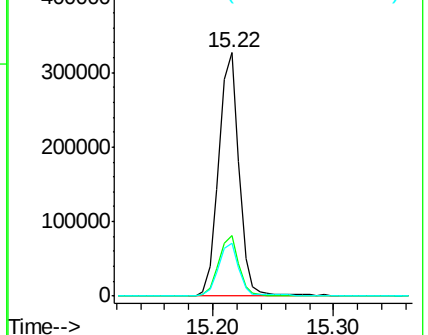
265 21.5 17.2 25.8

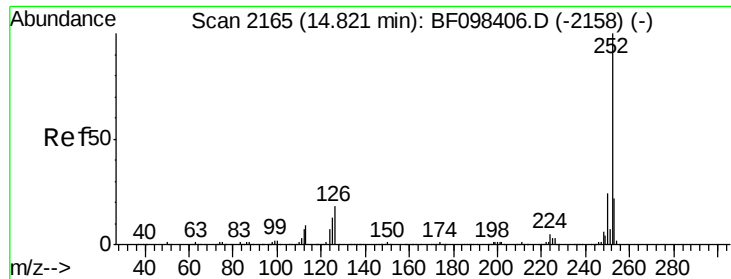


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.09 ng

RT: 14.82 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BF098431.D

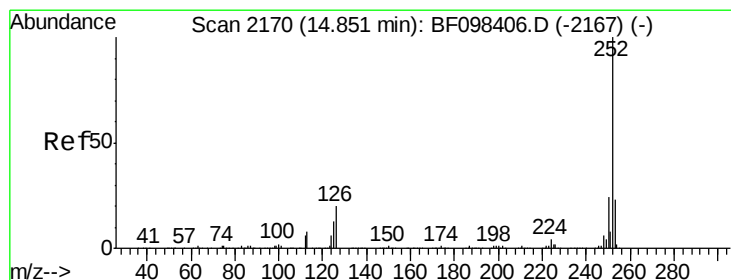
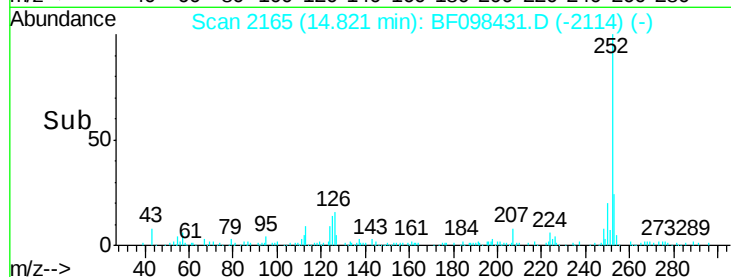
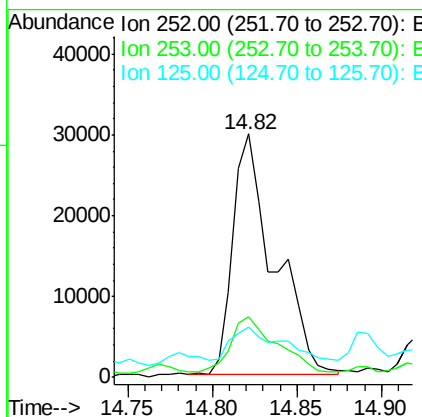
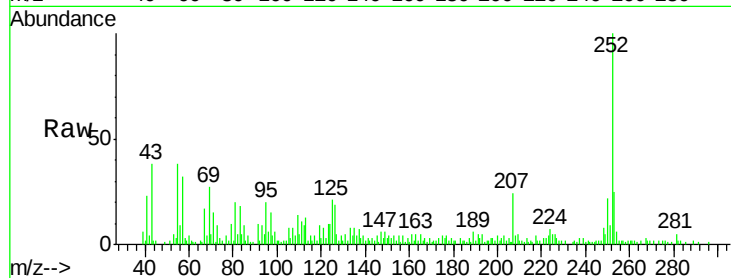
Acq: 12 Sep 2017 4:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	50113
Ion Ratio	Lower	Upper
252	100	
253	25.0	18.1 27.1
125	20.8	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 2.24 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.03 min

Lab File: BF098431.D

Acq: 12 Sep 2017 4:43

Tgt Ion:252	Resp:	50113
Ion Ratio	Lower	Upper
252	100	
253	25.0	18.4 27.6
125	20.8	13.1 19.7#

