

Data File : BF092997.D
Acq On : 16 Feb 2017 22:43
Operator : SJ/MA
Sample : I1837-01RX
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-1

Quant Time: Feb 16 23:55:42 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	138696	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	572277	20.00	ng	-0.02
38) Acenaphthene-d10	9.89	164	317454	20.00	ng	-0.03
63) Phenanthrene-d10	11.38	188	516633	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	377455	20.00	ng	-0.05
86) Perylene-d12	15.44	264	304172	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.50	99	13703	1.32	ng	-0.03
23) Nitrobenzene-d5	7.42	82	825539	80.33	ng	-0.03
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.22	172	1395567	79.64	ng	-0.02
78) Terphenyl-d14	12.97	244	1278161	79.57	ng	-0.02

Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.10	42	13171	2.53	ng	# 1
19) n-Nitroso-di-n-propylamine	7.42	70	110927	16.75	ng	# 80
25) Isophorone	7.68	82	40425	2.11	ng	95
32) Benzoic acid	7.78	122	1254	7.38	ng	# 19
49) Dimethylphthalate	9.61	163	179057	8.37	ng	99
56) 2,4-Dinitrotoluene	9.89	165	41016	6.67	ng	# 20
70) Phenanthrene	11.40	178	137916	4.66	ng	96
74) Fluoranthene	12.58	202	147075	4.82	ng	94
77) Pyrene	12.81	202	122256	4.33	ng	97
80) Benzo(a)anthracene	14.00	228	52551	2.28	ng	98
87) Benzo(b)fluoranthene	15.03	252	61937	3.09	ng	# 94
88) Benzo(k)fluoranthene	15.03	252	61937	3.58	ng	# 93

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

Data File : BF092997.D

Acq On : 16 Feb 2017 22:43

Operator : SJ/MA

Sample : I1837-01RX

Misc :

ALS Vial : 15 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

P-1

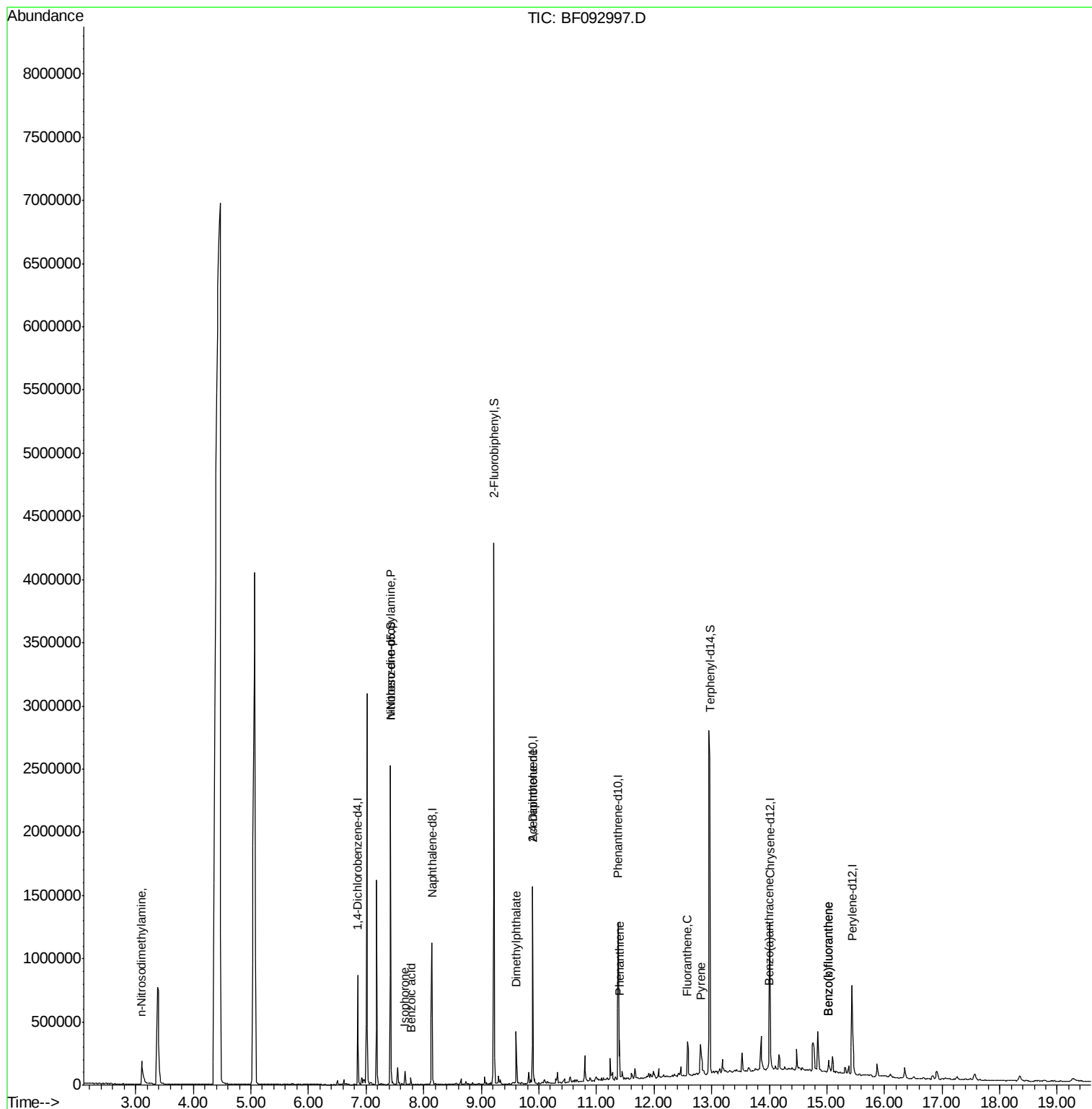
Quant Time: Feb 16 23:55:42 2017

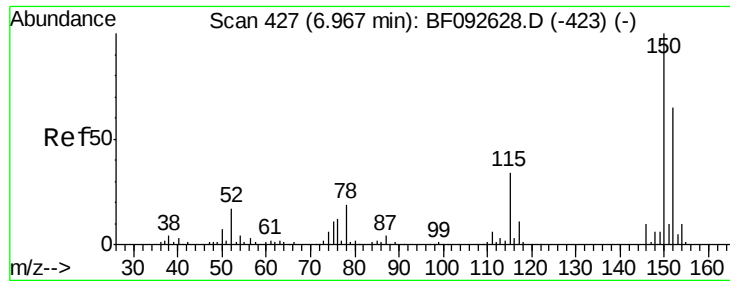
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Feb 13 18:04:38 2017

Response via : Initial Calibration



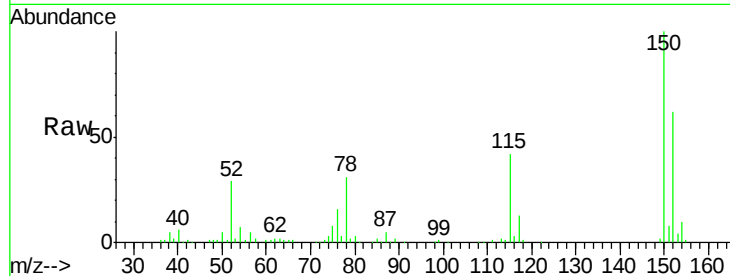


#1

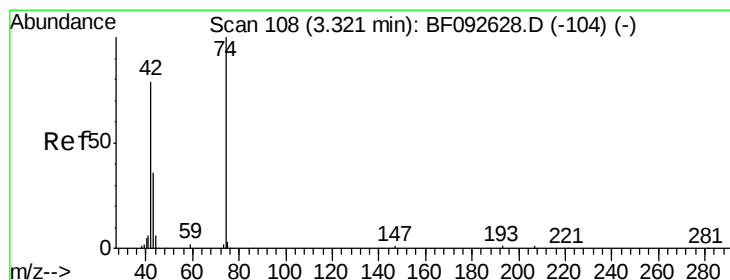
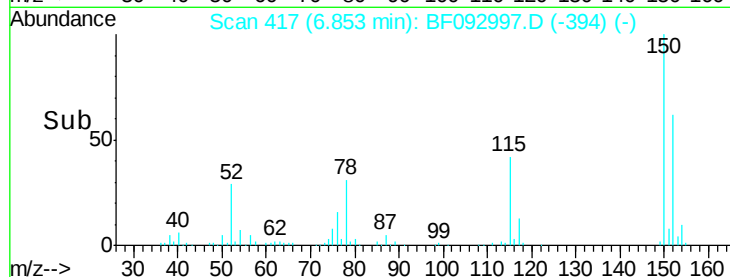
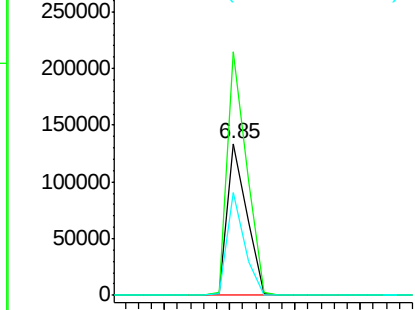
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.03 min
Lab File: BF092997.D
Acq: 16 Feb 2017 22:43

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion: 152 Resp: 138696
Ion Ratio Lower Upper
152 100
150 160.8 124.9 187.3
115 67.5 46.0 69.0



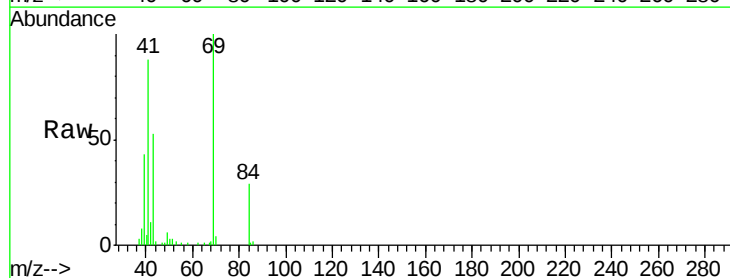
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



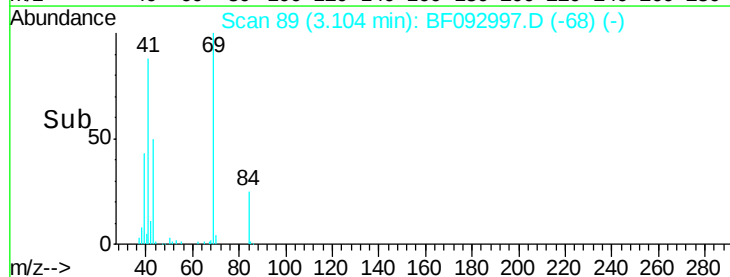
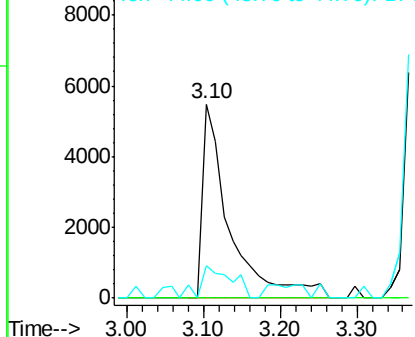
#4

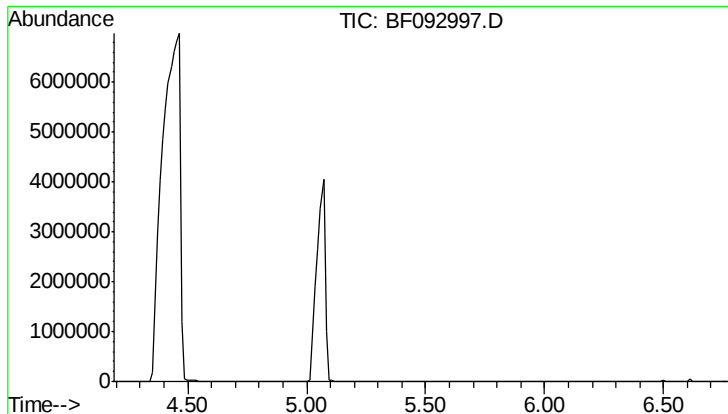
n-Nitrosodimethylamine
Concen: 2.53 ng
RT: 3.10 min Scan# 89
Delta R.T. -0.06 min
Lab File: BF092997.D
Acq: 16 Feb 2017 22:43

Tgt Ion: 42 Resp: 13171
Ion Ratio Lower Upper
42 100
74 0.0 117.0 175.4#
44 16.8 5.5 8.3#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.48 min

Lab File: BF092997.D

Acq: 16 Feb 2017 22:43

Instrument :

BNA_F

ClientSampleId :

P-1

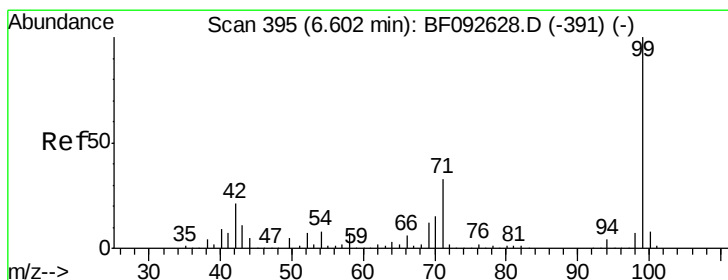
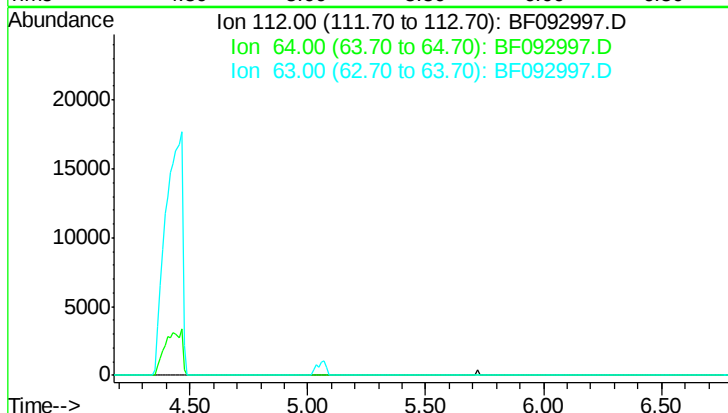
Tgt Ion: 112

Sig Exp Ratio

112 100

64 57.6

63 29.7



#7

Phenol-d6

Concen: 1.32 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF092997.D

Acq: 16 Feb 2017 22:43

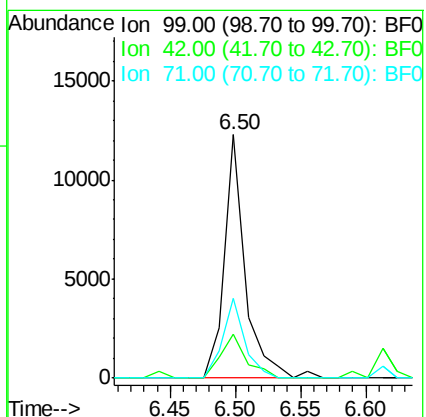
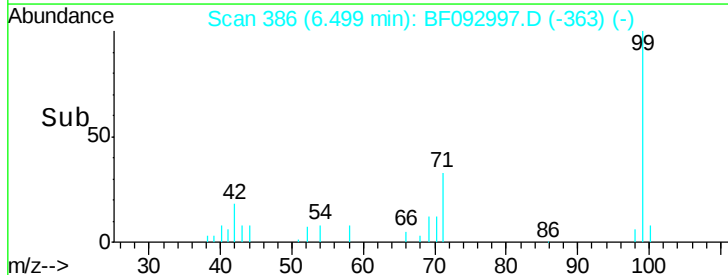
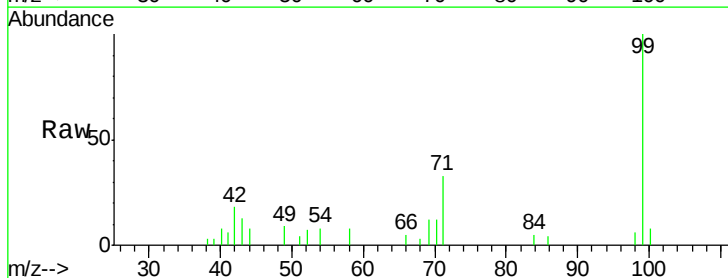
Tgt Ion: 99 Resp: 13703

Ion Ratio Lower Upper

99 100

42 18.1 15.6 23.4

71 32.9 27.5 41.3

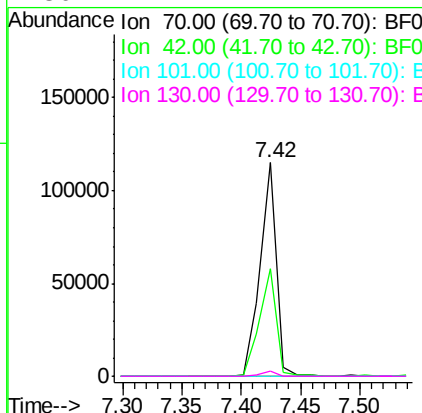
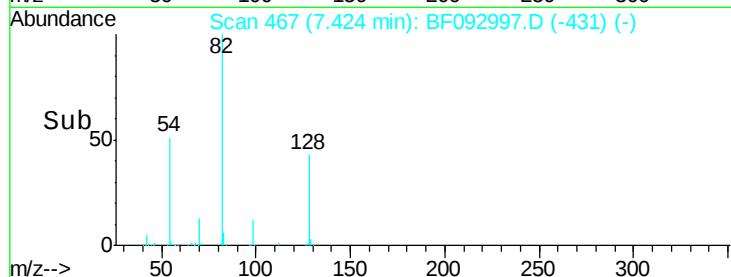
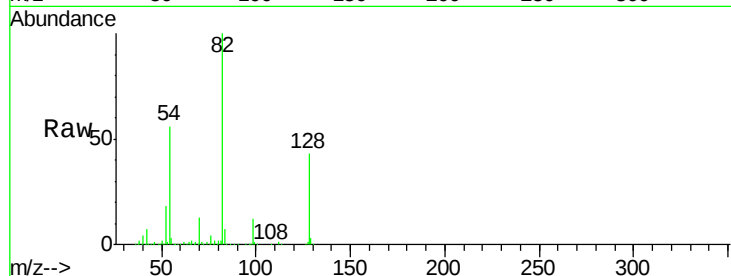




#19
n-Nitroso-di-n-propylamine
Concen: 16.75 ng
RT: 7.42 min Scan# 467
Delta R.T. 0.11 min
Lab File: BF092997.D
Acq: 16 Feb 2017 22:43

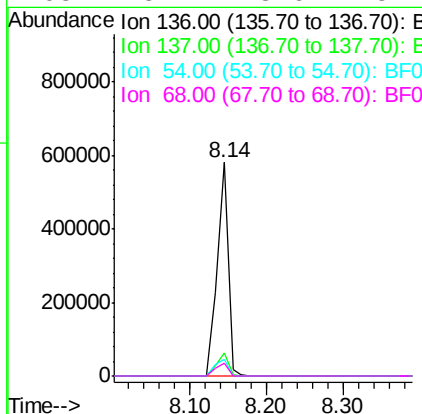
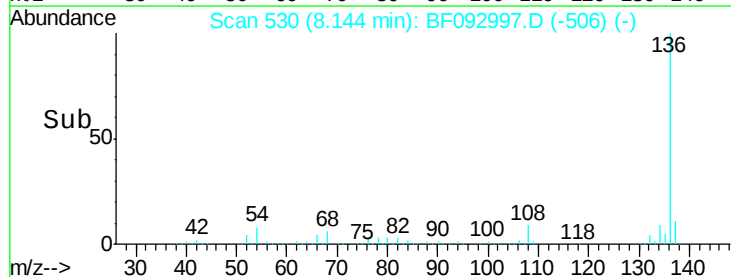
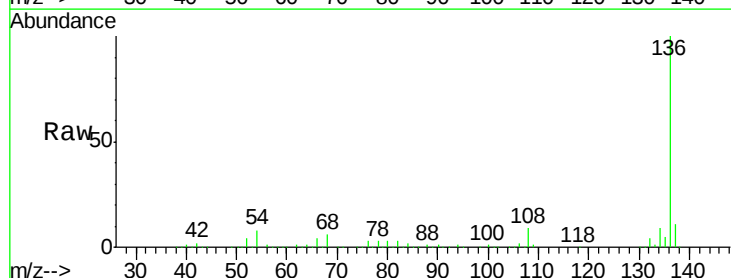
Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion: 70 Resp: 110927
Ion Ratio Lower Upper
70 100
42 50.5 49.4 74.0
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF092997.D
Acq: 16 Feb 2017 22:43

Tgt Ion: 136 Resp: 572277
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.1 4.5 6.7#
68 5.7 3.6 5.4#

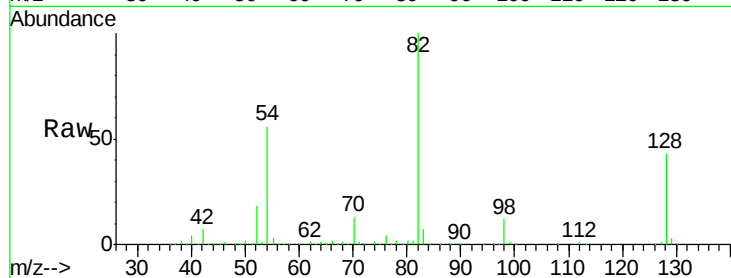




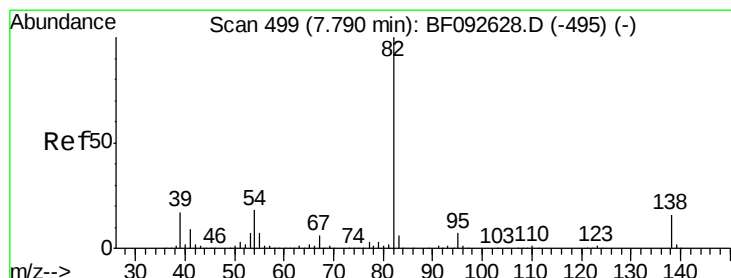
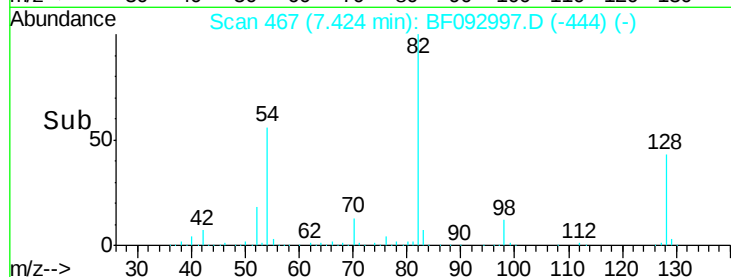
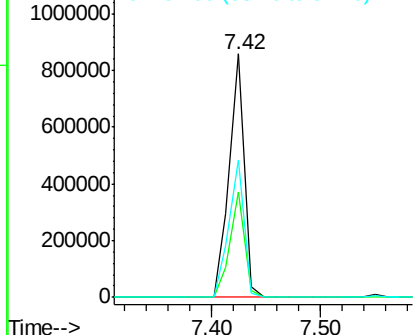
#23
 Nitrobenzene-d5
 Concen: 80.33 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.03 min
 Lab File: BF092997.D
 Acq: 16 Feb 2017 22:43

Instrument :
 BNA_F
 ClientSampled :
 P-1

Tgt Ion: 82 Resp: 825539
 Ion Ratio Lower Upper
 82 100
 128 43.3 34.6 52.0
 54 56.4 39.5 59.3

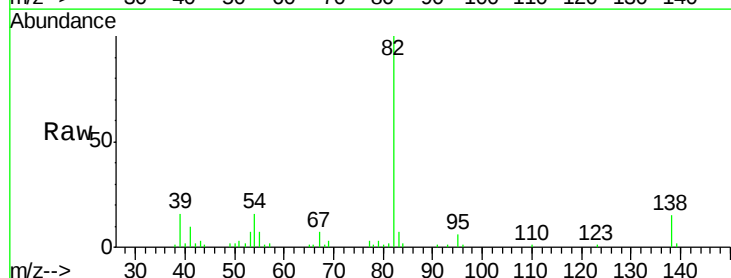


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

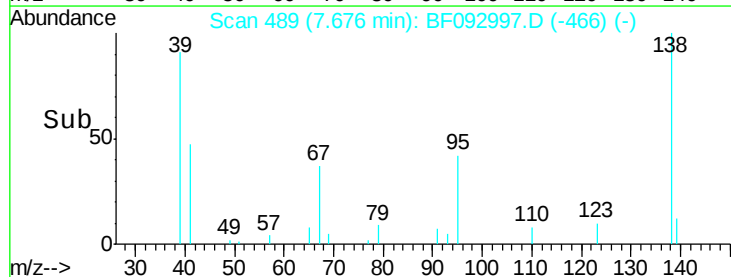
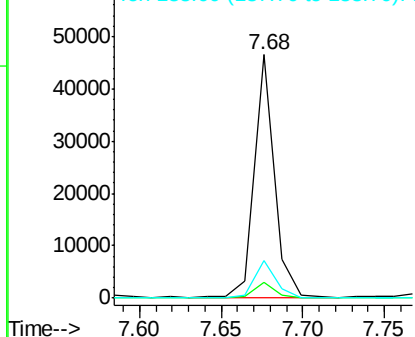


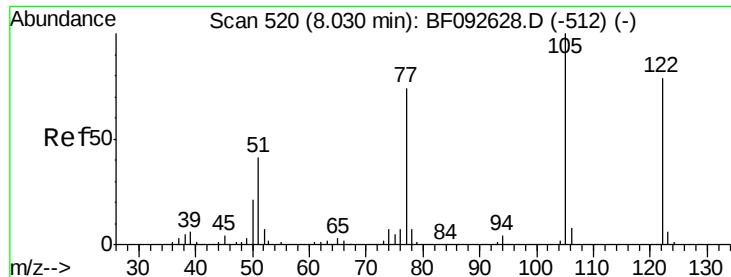
#25
 Isophorone
 Concen: 2.11 ng
 RT: 7.68 min Scan# 489
 Delta R.T. -0.03 min
 Lab File: BF092997.D
 Acq: 16 Feb 2017 22:43

Tgt Ion: 82 Resp: 40425
 Ion Ratio Lower Upper
 82 100
 95 6.5 5.6 8.4
 138 15.5 14.6 22.0



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

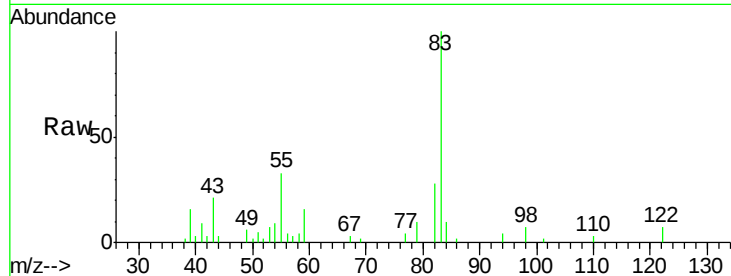




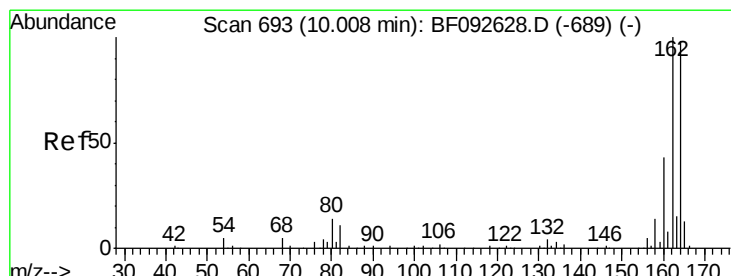
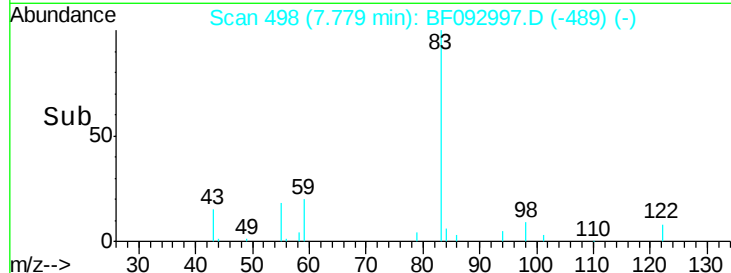
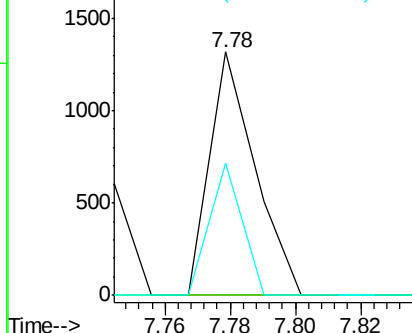
#32
Benzoic acid
Concen: 7.38 ng
RT: 7.78 min Scan# 498
Delta R.T. -0.19 min
Lab File: BF092997.D
Acq: 16 Feb 2017 22:43

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.2	147.2#
77	54.4	74.5	114.5#

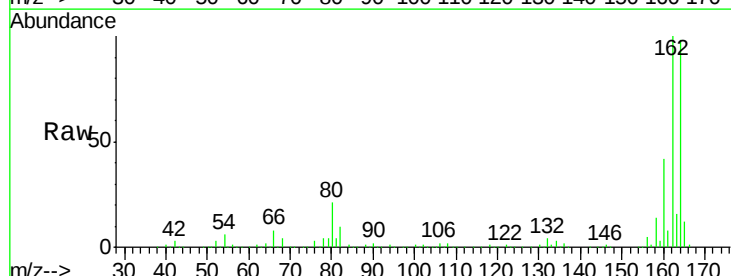


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

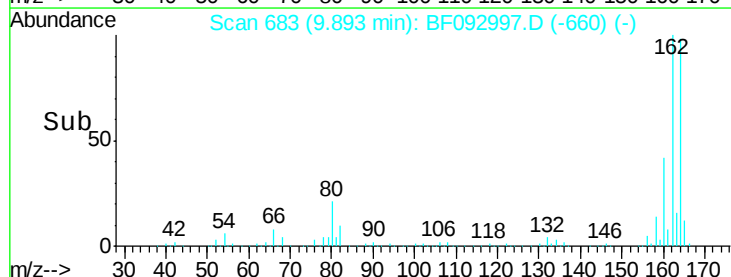
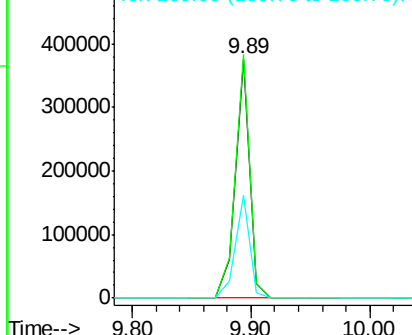


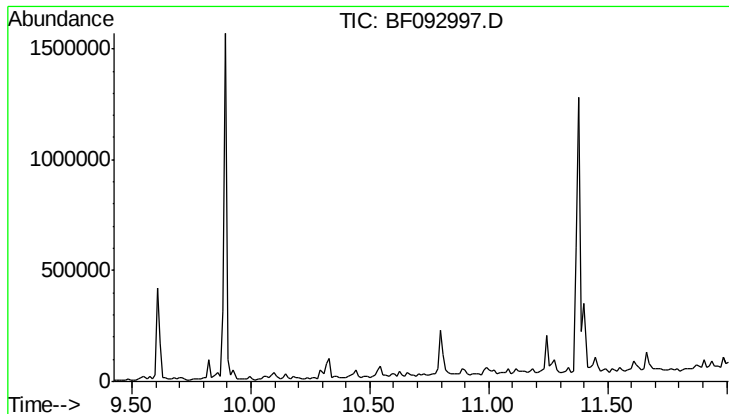
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.03 min
Lab File: BF092997.D
Acq: 16 Feb 2017 22:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.2	120.2
160	43.1	36.9	55.3



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

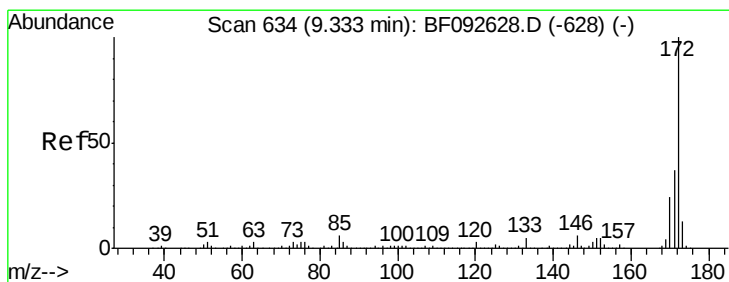
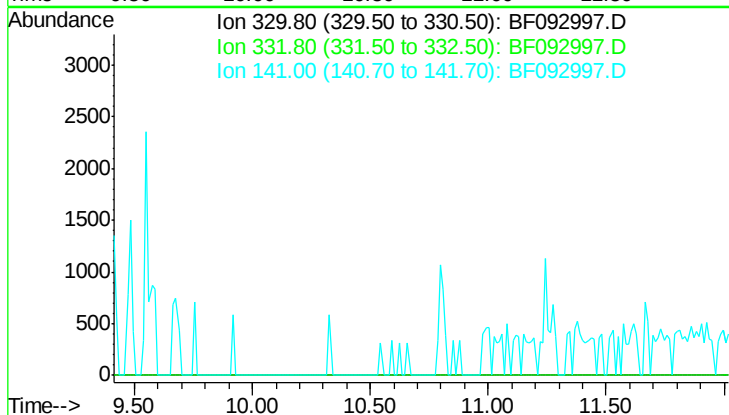




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.72 min
 Lab File: BF092997.D
 Acq: 16 Feb 2017 22:43

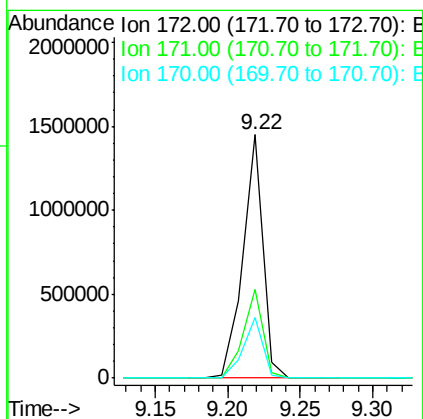
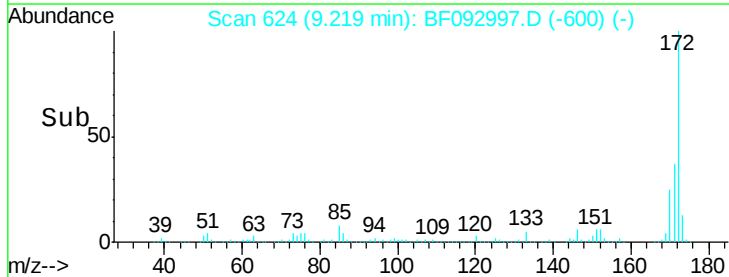
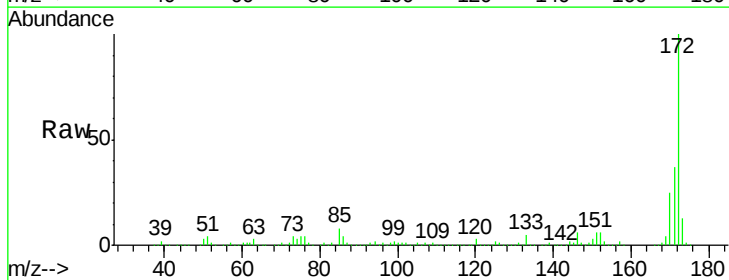
Instrument :
 BNA_F
 ClientSampleId :
 P-1

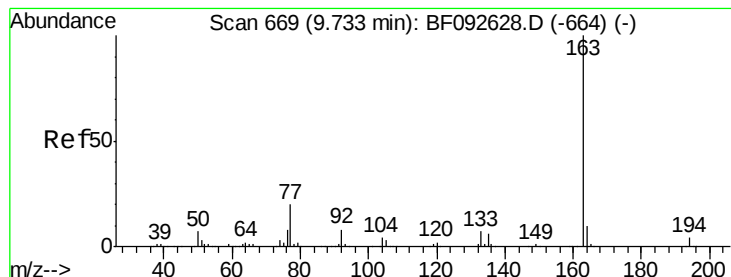
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 96.8
 141 42.6



#44
 2-Fluorobiphenyl
 Concen: 79.64 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.02 min
 Lab File: BF092997.D
 Acq: 16 Feb 2017 22:43

Tgt Ion: 172 Resp: 1395567
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.6 20.2 30.4





#49

Dimethylphthalate

Concen: 8.37 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.05 min

Lab File: BF092997.D

Acq: 16 Feb 2017 22:43

Instrument :

BNA_F

ClientSampled :

P-1

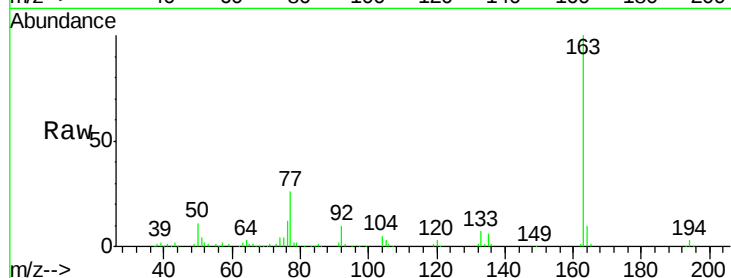
Tgt Ion:163 Resp: 179057

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.4

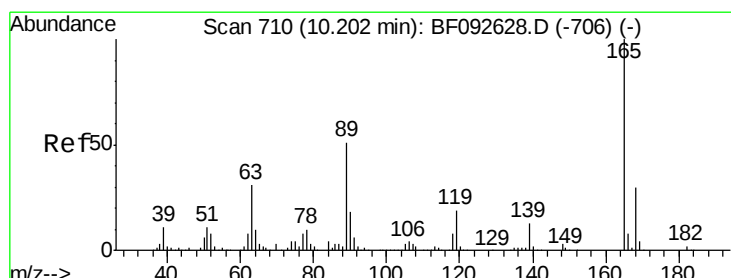
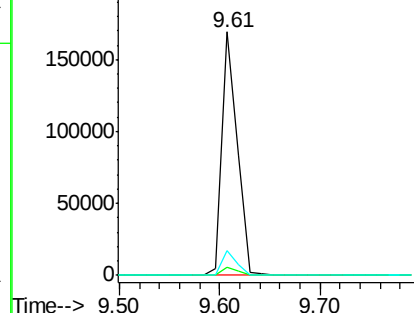
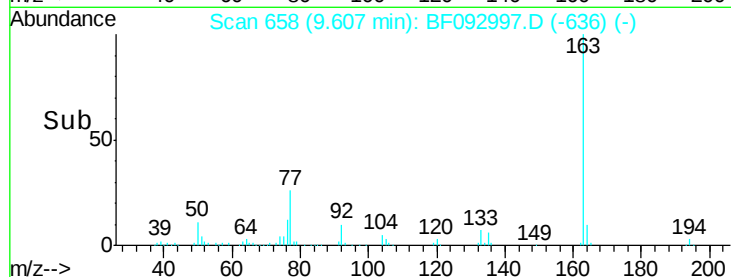
164 9.9 8.0 12.0



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: 6.67 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.23 min

Lab File: BF092997.D

Acq: 16 Feb 2017 22:43

Tgt Ion:165 Resp: 41016

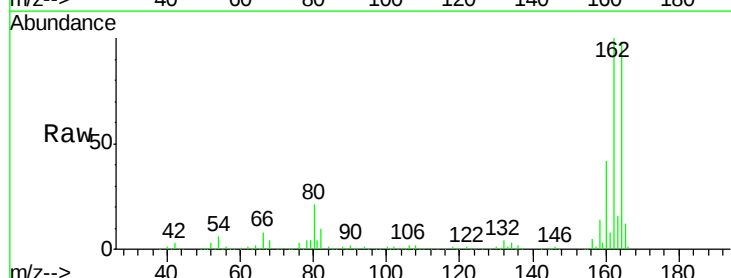
Ion Ratio Lower Upper

165 100

63 0.9 40.2 60.4#

89 1.1 62.5 93.7#

182 0.0 1.8 2.8#

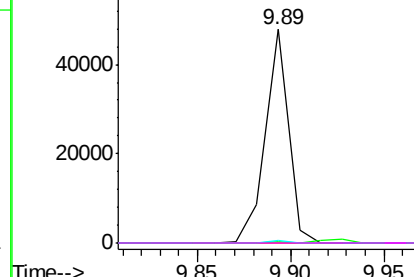
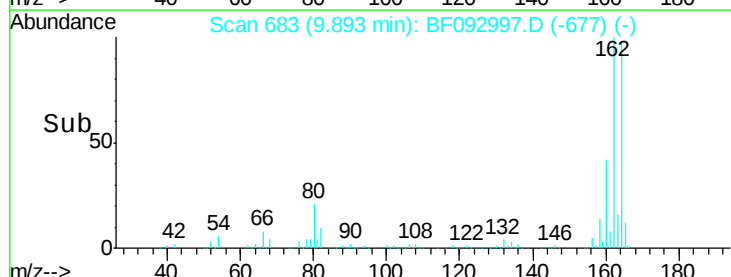


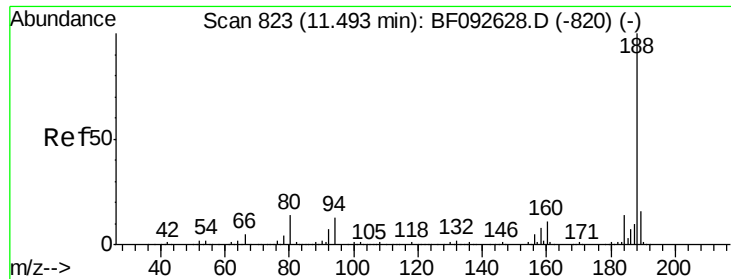
Abundance Ion 165.00 (164.70 to 165.70): E

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

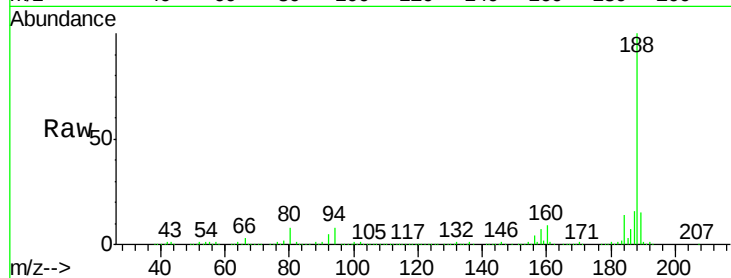




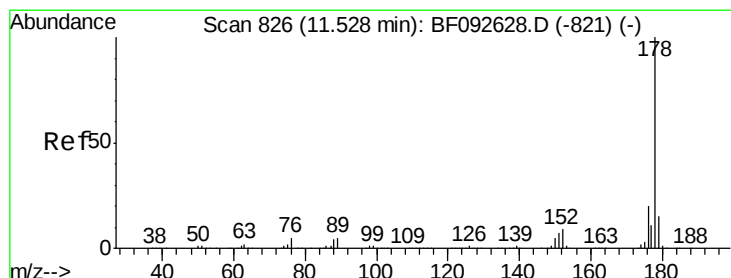
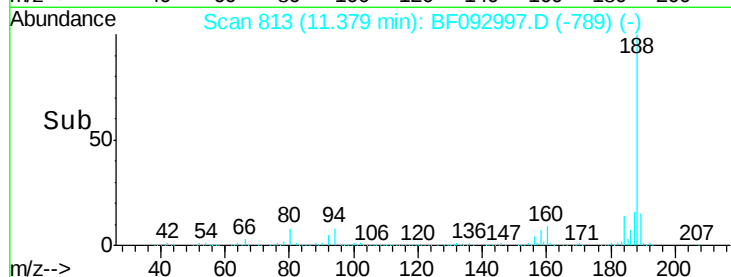
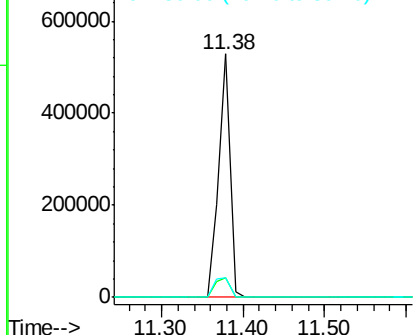
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF092997.D
Acq: 16 Feb 2017 22:43

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:188 Resp: 516633
Ion Ratio Lower Upper
188 100
94 8.3 10.0 15.0#
80 8.2 11.2 16.8#

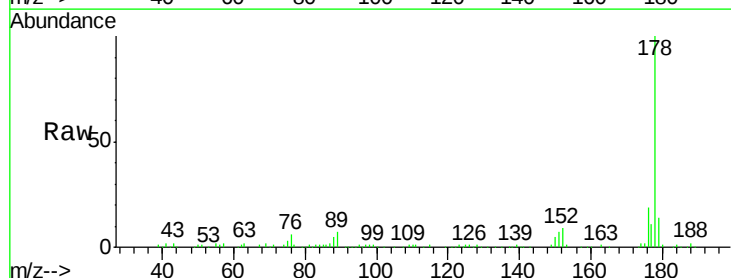


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

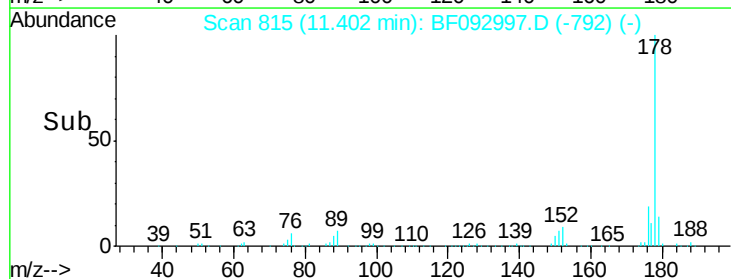
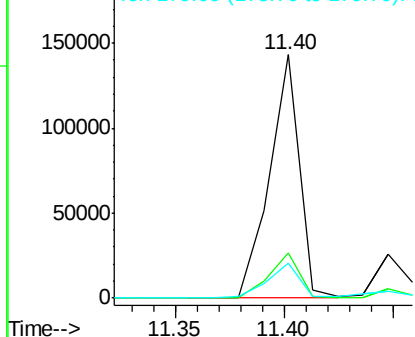


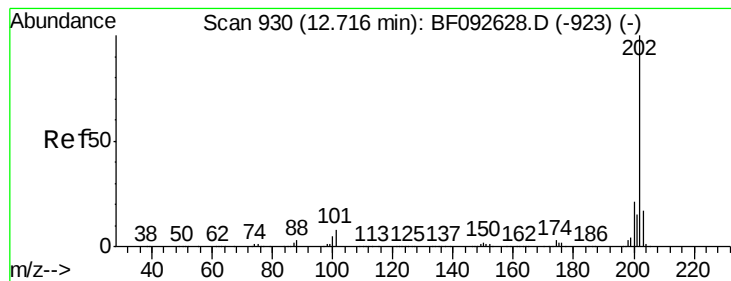
#70
Phenanthrene
Concen: 4.66 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.03 min
Lab File: BF092997.D
Acq: 16 Feb 2017 22:43

Tgt Ion:178 Resp: 137916
Ion Ratio Lower Upper
178 100
176 18.6 16.6 25.0
179 14.4 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.82 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF092997.D

Acq: 16 Feb 2017 22:43

Instrument :

BNA_F

ClientSampled :

P-1

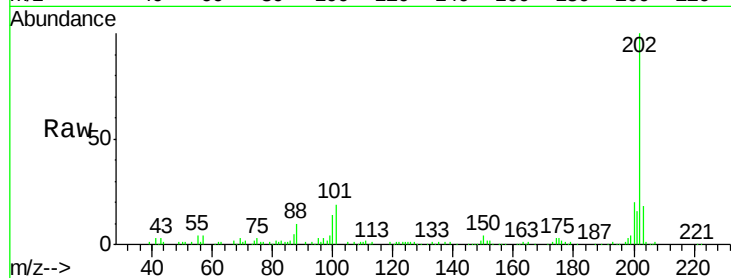
Tgt Ion:202 Resp: 147075

Ion Ratio Lower Upper

202 100

101 18.6 0.0 34.6

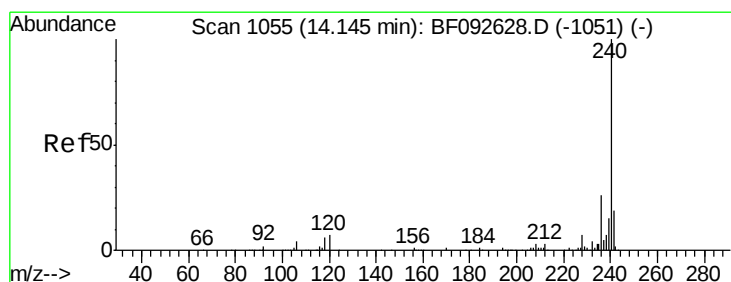
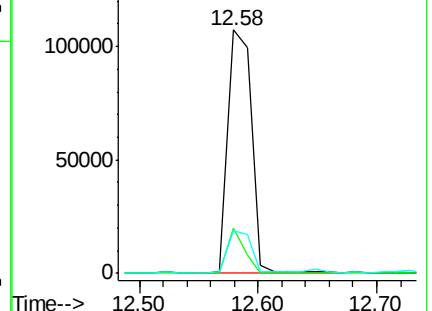
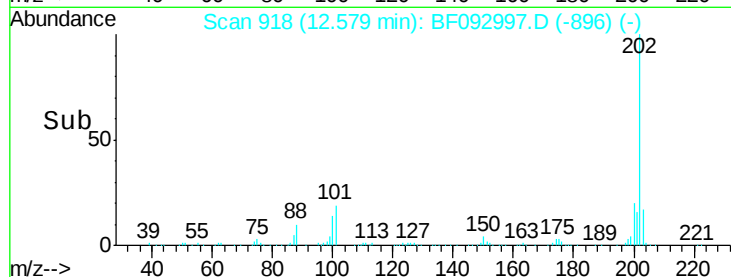
203 17.6 0.0 38.7



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: 14.01 min Scan# 1043

Delta R.T. -0.05 min

Lab File: BF092997.D

Acq: 16 Feb 2017 22:43

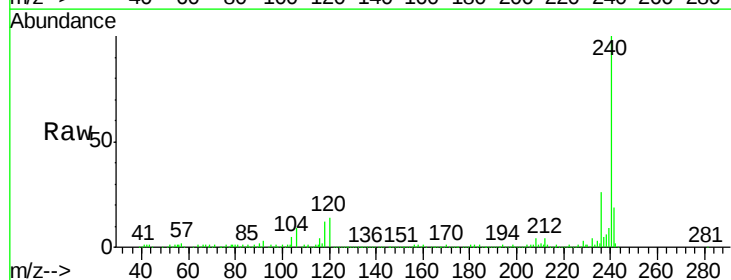
Tgt Ion:240 Resp: 377455

Ion Ratio Lower Upper

240 100

120 14.1 12.9 19.3

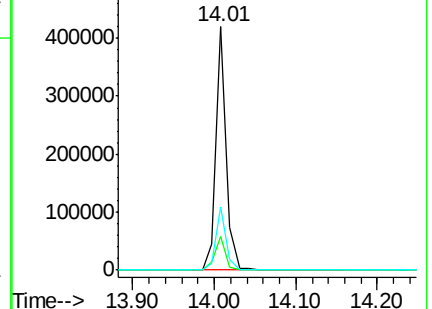
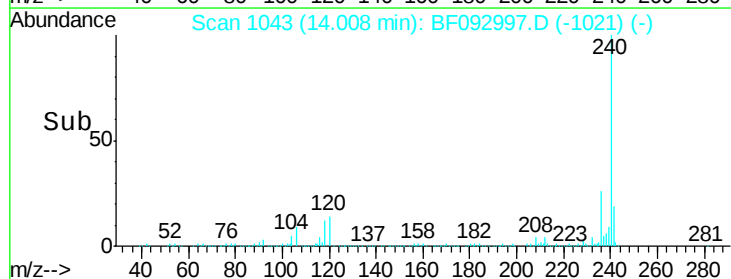
236 25.8 20.9 31.3

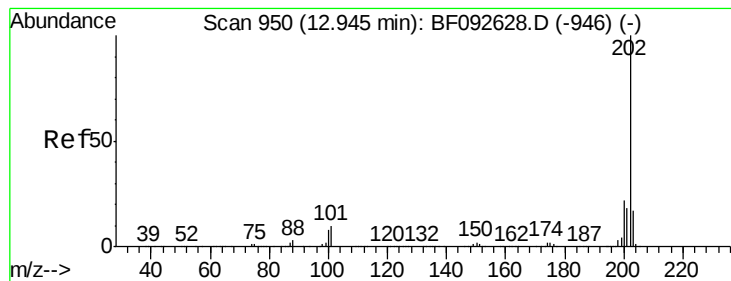


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.33 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.05 min

Lab File: BF092997.D

Acq: 16 Feb 2017 22:43

Instrument :

BNA_F

ClientSampleId :

P-1

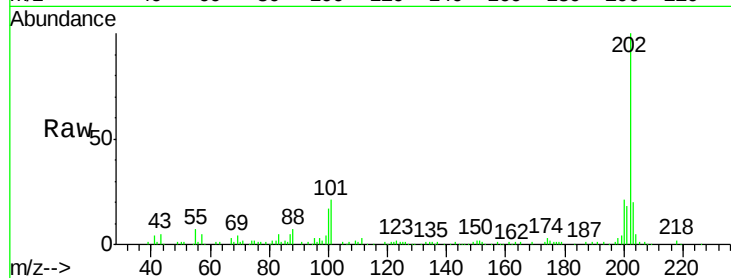
Tgt Ion: 202 Resp: 122256

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

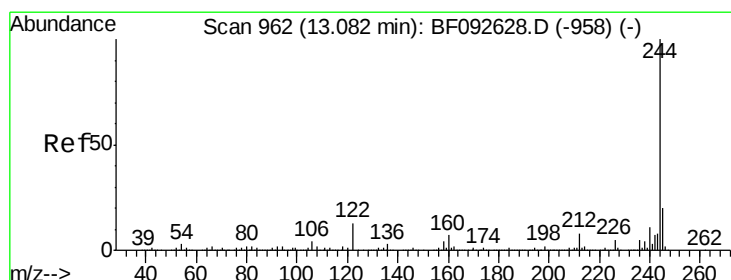
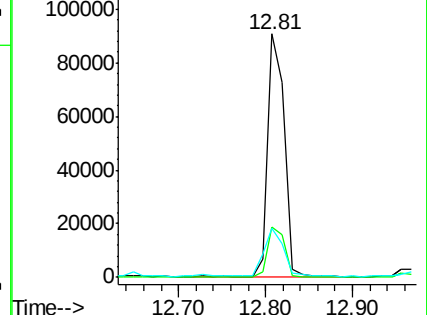
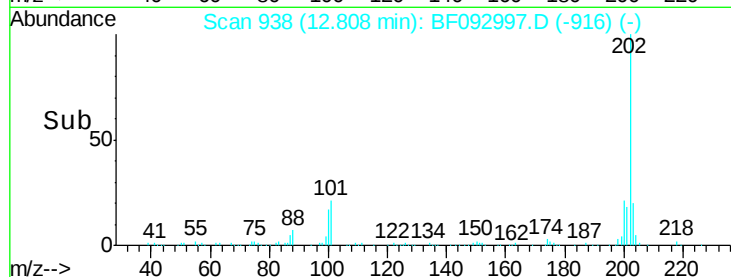
203 19.9 14.7 22.1



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: 79.57 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF092997.D

Acq: 16 Feb 2017 22:43

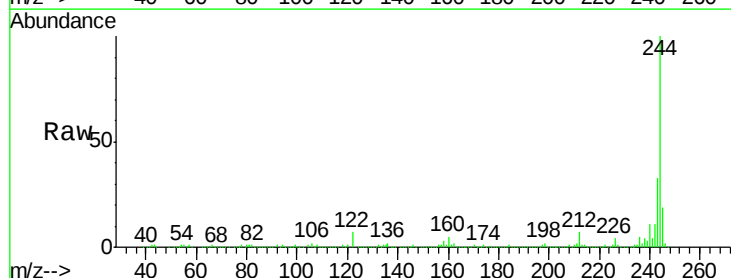
Tgt Ion: 244 Resp: 1278161

Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

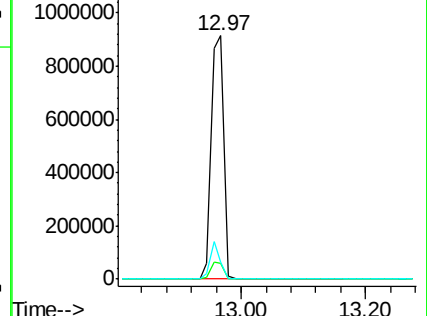
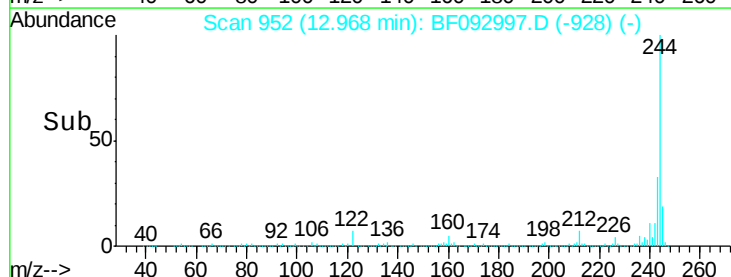
122 6.9 11.4 17.2

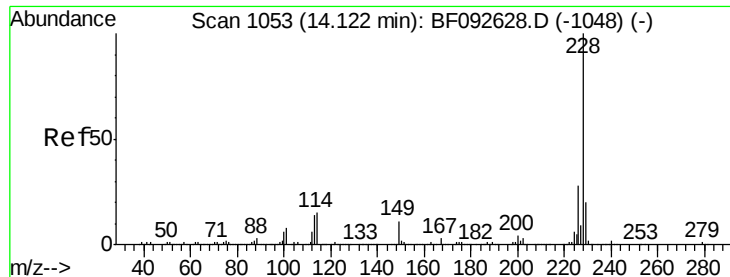


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.28 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF092997.D

Acq: 16 Feb 2017 22:43

Instrument :

BNA_F

ClientSampleId :

P-1

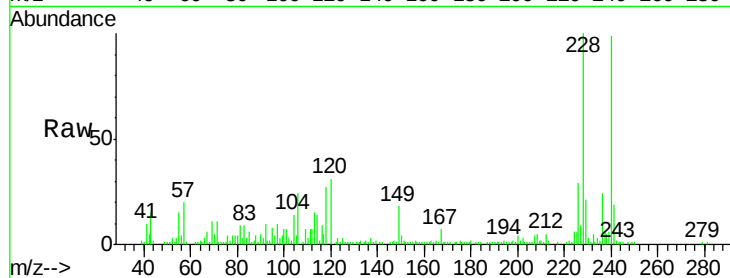
Tgt Ion:228 Resp: 52551

Ion Ratio Lower Upper

228 100

226 29.0 22.4 33.6

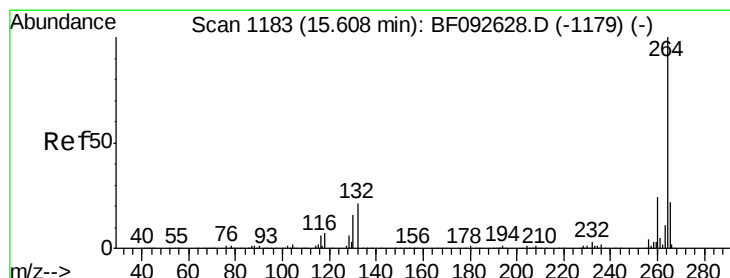
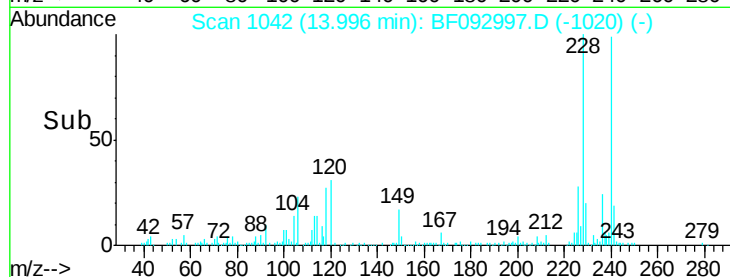
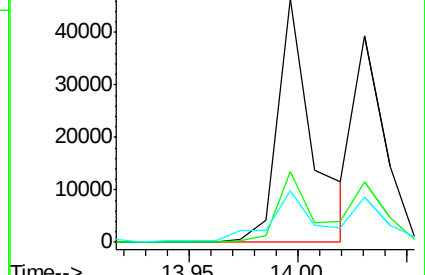
229 21.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.05 min

Lab File: BF092997.D

Acq: 16 Feb 2017 22:43

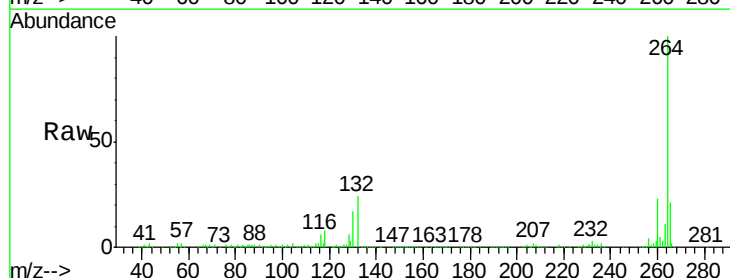
Tgt Ion:264 Resp: 304172

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

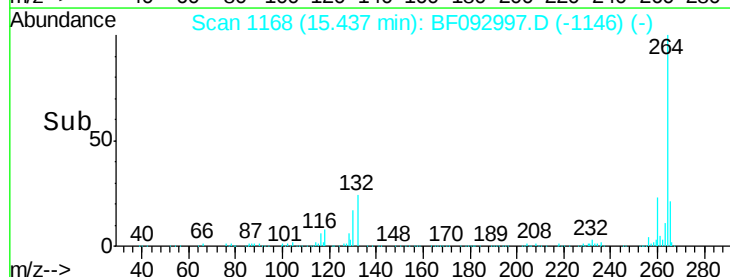
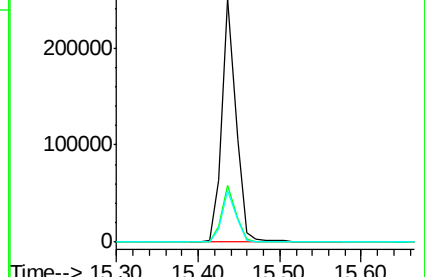
265 21.4 17.4 26.0

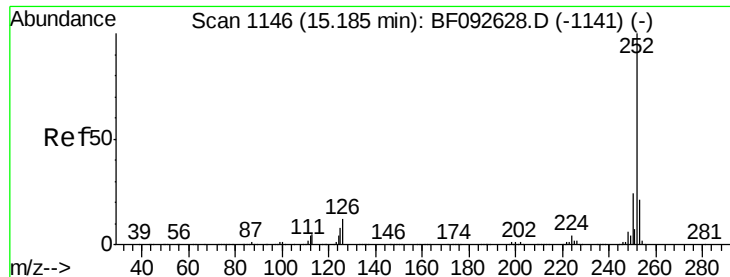


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

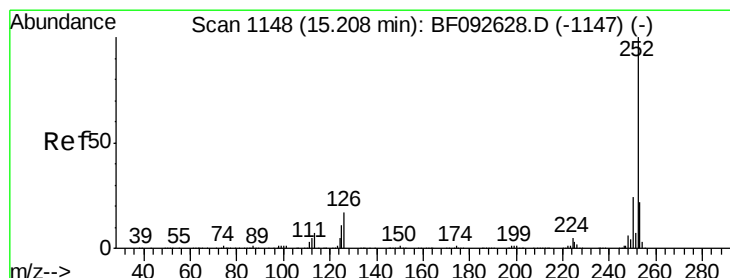
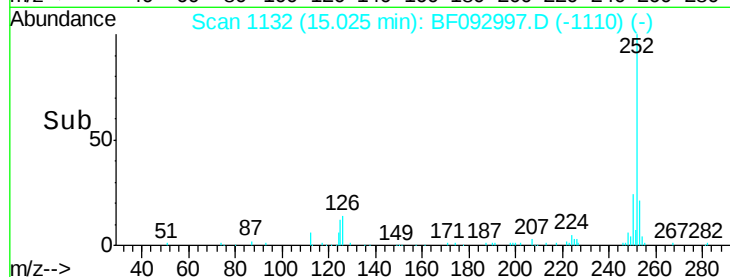
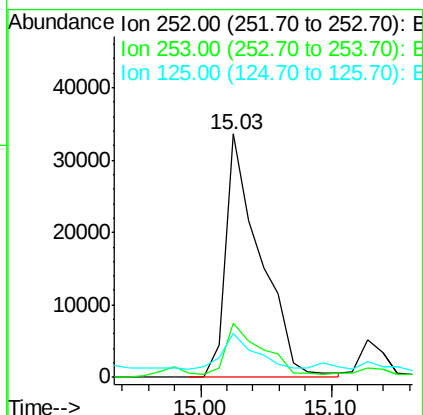
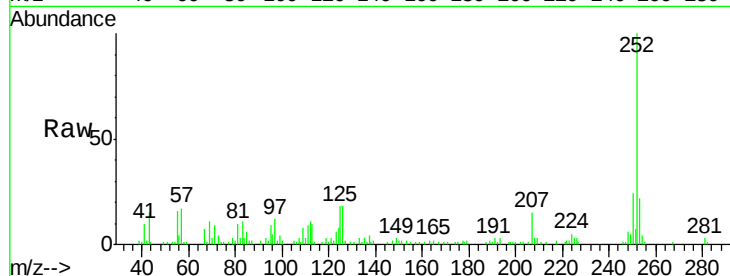




#87
Benzo(b)fluoranthene
Concen: 3.09 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.05 min
Lab File: BF092997.D
Acq: 16 Feb 2017 22:43

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:252 Resp: 61937
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 18.3 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 3.58 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.08 min
Lab File: BF092997.D
Acq: 16 Feb 2017 22:43

Tgt Ion:252 Resp: 61937
Ion Ratio Lower Upper
252 100
253 22.1 18.5 27.7
125 18.3 8.9 13.3#

