

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096980.D
 Acq On : 22 Jul 2017 9:42
 Operator : SJ/JU
 Sample : I4305-04 5X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-BASE

Quant Time: Jul 24 04:15:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

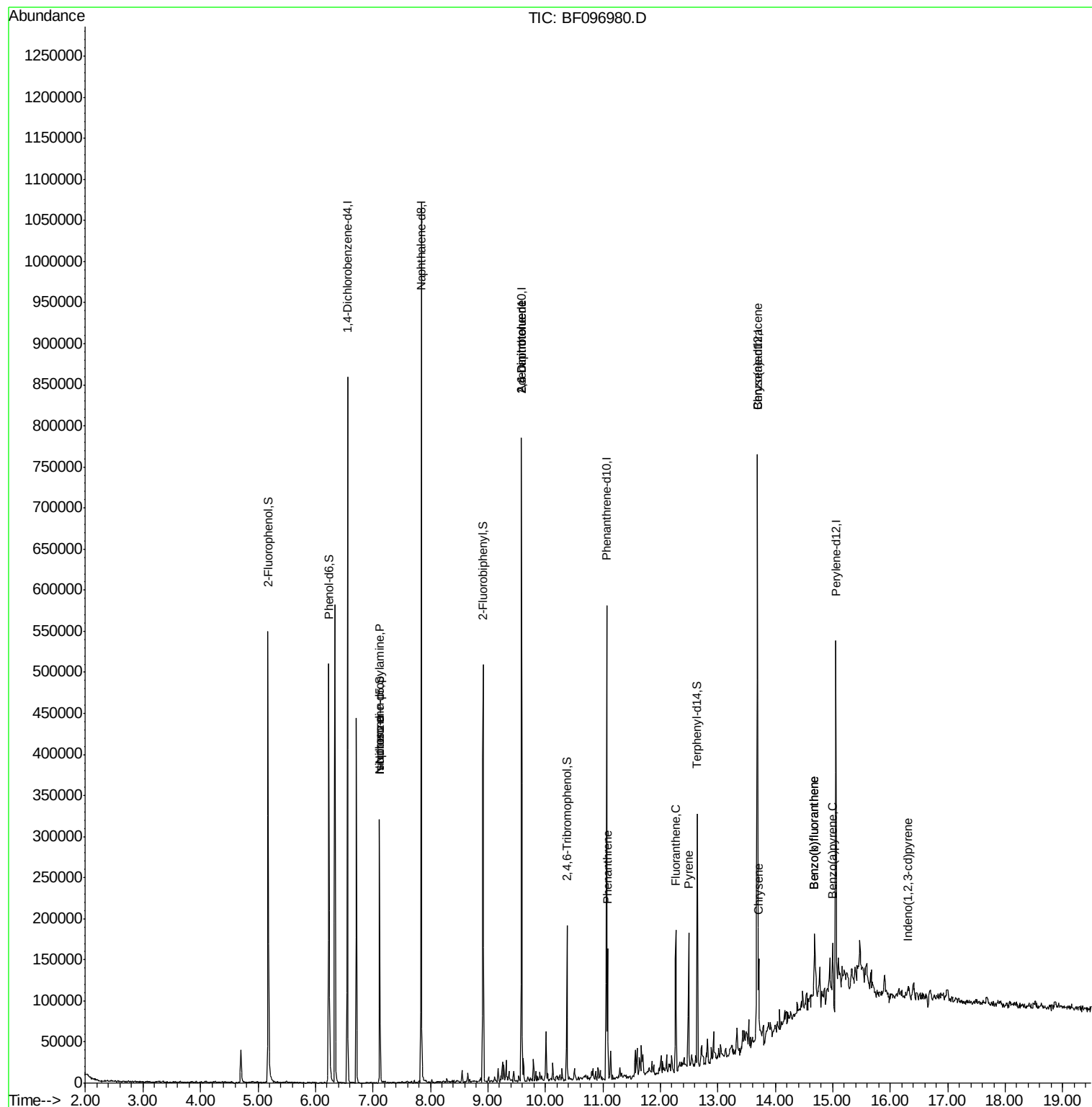
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	114833	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	408146	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	140789	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	195253	20.00	ng	-0.04
75) Chrysene-d12	13.69	240	212526	20.00	ng	-0.05
86) Perylene-d12	15.05	264	175191	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	167806	21.97	ng	-0.02
7) Phenol-d6	6.23	99	187051	20.41	ng	-0.02
23) Nitrobenzene-d5	7.12	82	90814	13.78	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	18288	15.22	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	145785	16.36	ng	-0.05
78) Terphenyl-d14	12.64	244	89822	7.33	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.12	70	12023	2.18	ng	# 86
25) Isophorone	7.12	82	90107	7.35	ng	# 67
50) 2,6-Dinitrotoluene	9.59	165	18747	8.16	ng	# 34
56) 2,4-Dinitrotoluene	9.59	165	18747	6.35	ng	# 34
70) Phenanthrene	11.09	178	57465	5.41	ng	99
74) Fluoranthene	12.27	202	64408	6.34	ng	98
77) Pyrene	12.49	202	58743	3.05	ng	98
80) Benzo(a)anthracene	13.68	228	35205	2.66	ng	98
82) Chrysene	13.71	228	32073	2.46	ng	94
85) Indeno(1,2,3-cd)pyrene	16.32	276	8997	4.05	ng	# 87
87) Benzo(b)fluoranthene	14.68	252	43256	4.09	ng	# 91
88) Benzo(k)fluoranthene	14.68	252	43256	4.32	ng	95
89) Benzo(a)pyrene	15.00	252	22512	2.32	ng	# 89

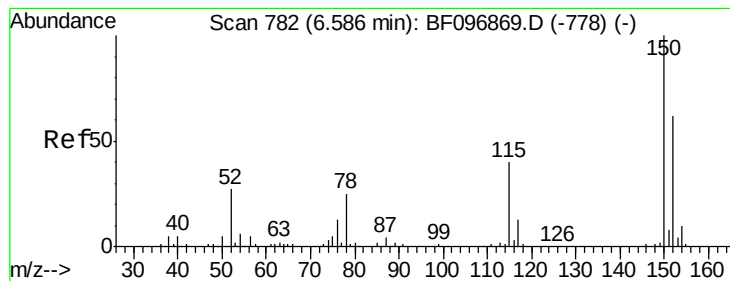
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 777

Delta R.T. -0.04 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

ClientSampleId :

E2-M5-BASE

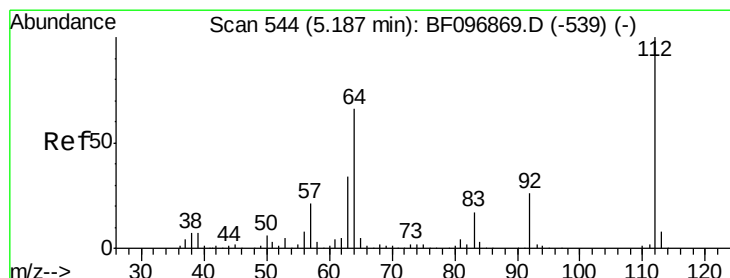
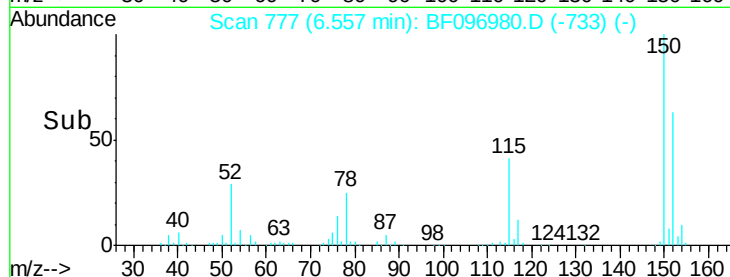
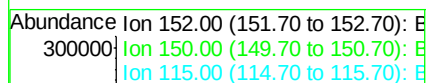
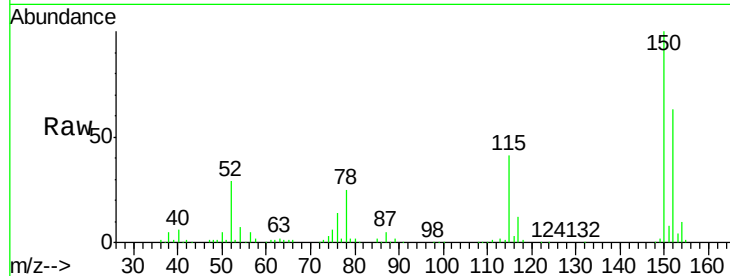
Tot Ion:152 Resp: 114833

Ion Ratio Lower Upper

152 100

150 158.3 126.2 189.2

115 64.3 52.2 78.2



#5

2-Fluorophenol

Concen: 21.97 ng

RT: 5.17 min Scan# 542

Delta R.T. -0.02 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

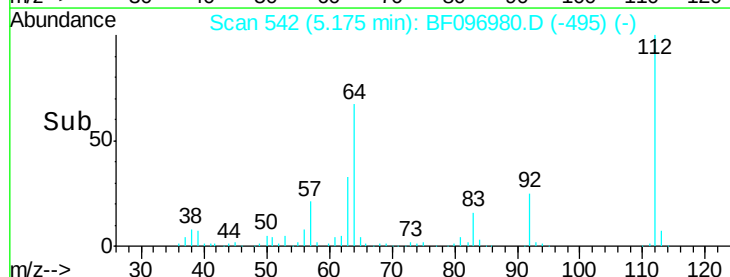
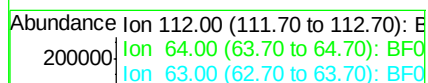
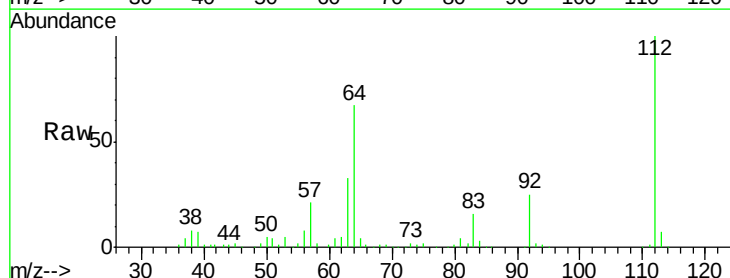
Tgt Ion:112 Resp: 167806

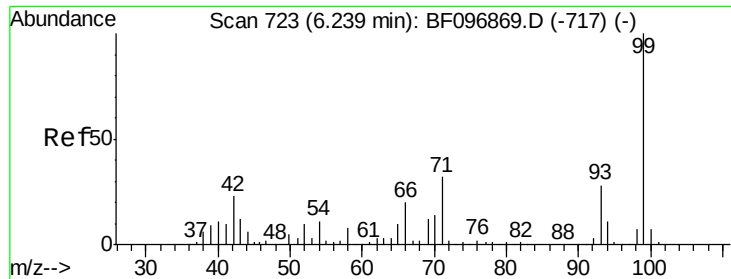
Ion Ratio Lower Upper

112 100

64 67.3 46.0 69.0

63 32.6 23.4 35.0





#7

Phenol-d6

Concen: 20.41 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

ClientSampleId :

E2-M5-BASE

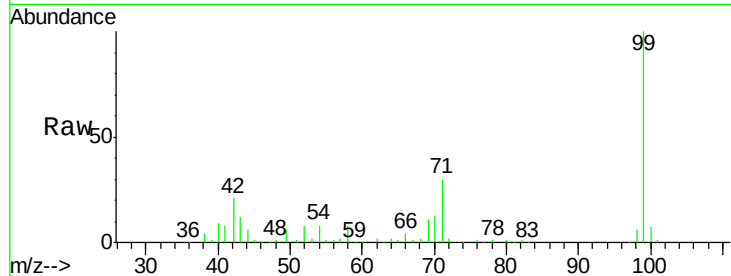
Tot Ion: 99 Resp: 187051

Ion Ratio Lower Upper

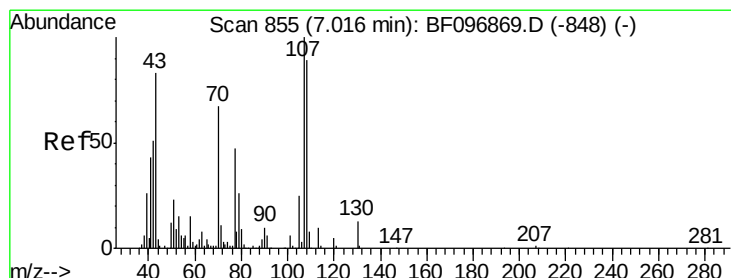
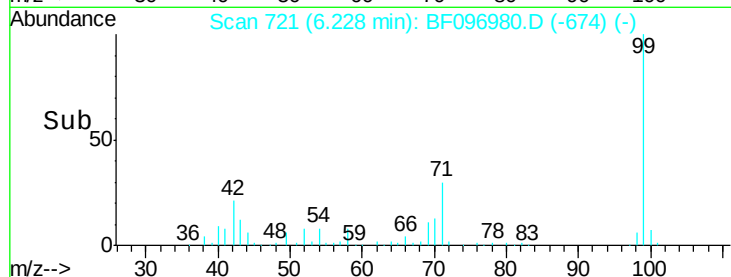
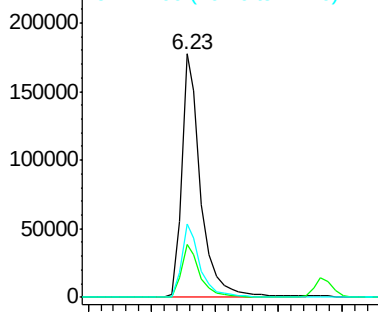
99 100

42 21.5 13.5 20.3#

71 29.9 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: 2.18 ng

RT: 7.12 min Scan# 872

Delta R.T. 0.09 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Tgt Ion: 70 Resp: 12023

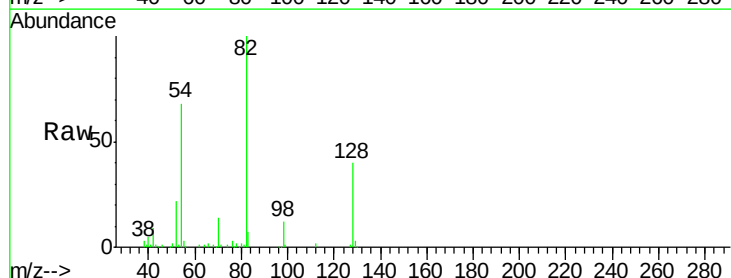
Ion Ratio Lower Upper

70 100

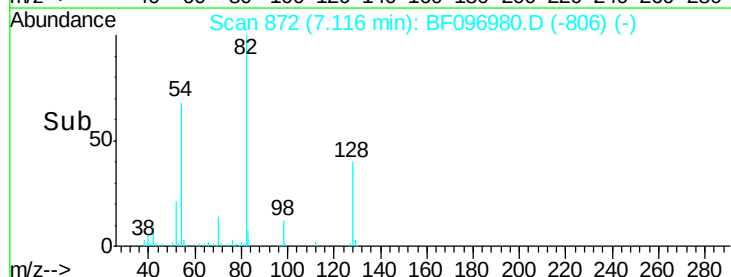
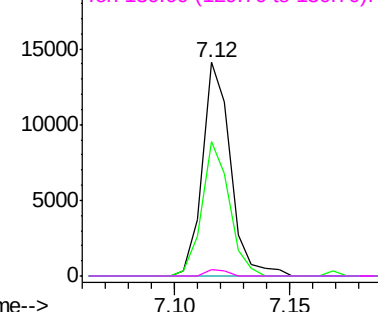
42 62.9 47.2 70.8

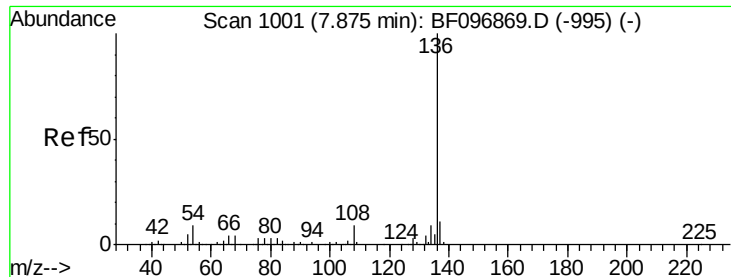
101 0.0 7.2 10.8#

130 3.2 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

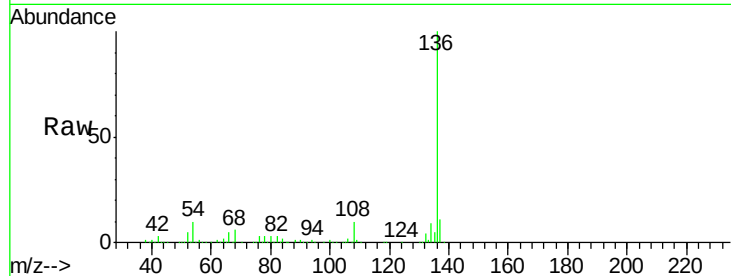




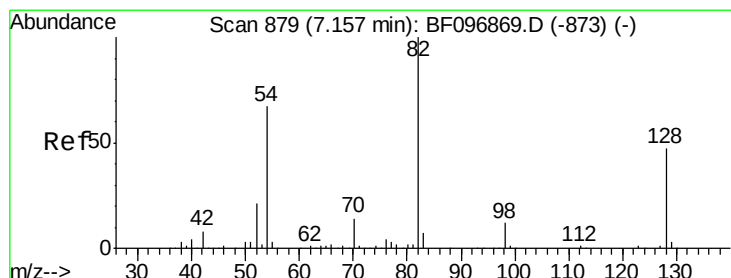
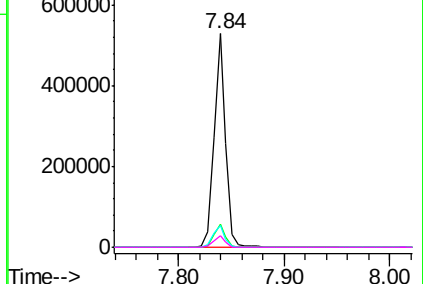
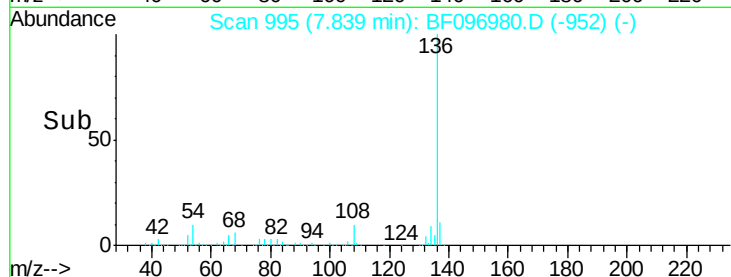
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 995
Delta R.T. -0.05 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

Tot Ion:136	Resp:	408146
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	10.2	4.9 7.3#
68	5.6	4.1 6.1

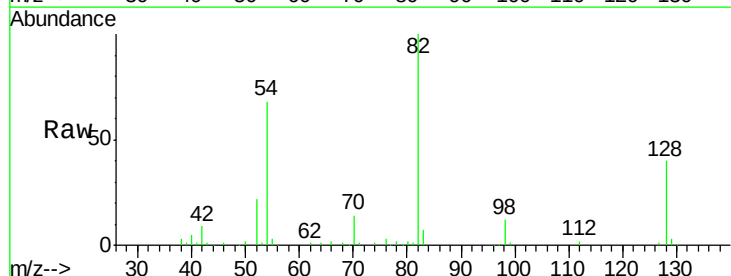


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

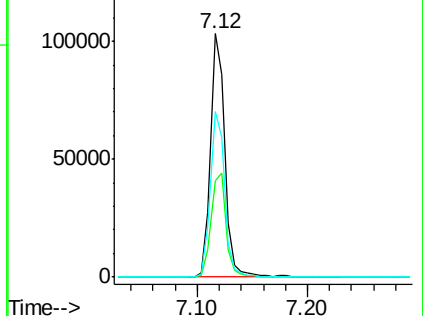
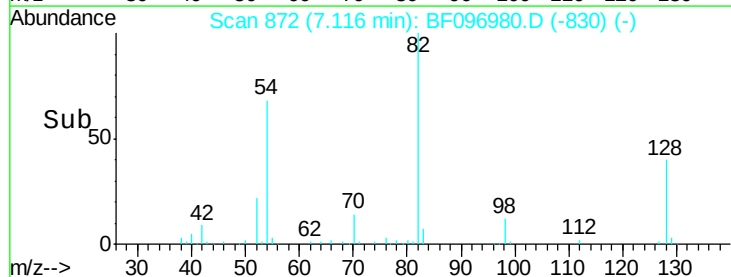


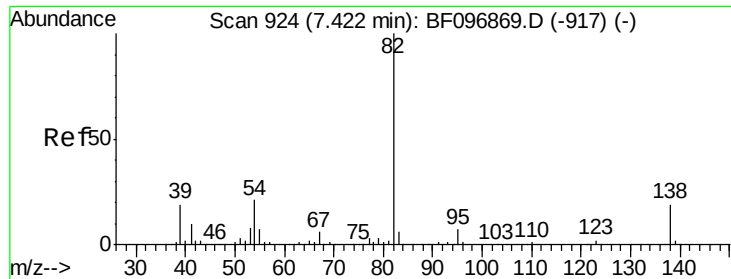
#23
Nitrobenzene-d5
Concen: 13.78 ng
RT: 7.12 min Scan# 872
Delta R.T. -0.05 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Tgt Ion: 82	Resp:	90814
Ion Ratio	Lower	Upper
82	100	
128	39.7	34.0 51.0
54	68.0	42.2 63.2#



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





#25

Isophorone

Concen: 7.35 ng

RT: 7.12 min Scan# 872

Delta R.T. -0.32 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

ClientSampleId :

E2-M5-BASE

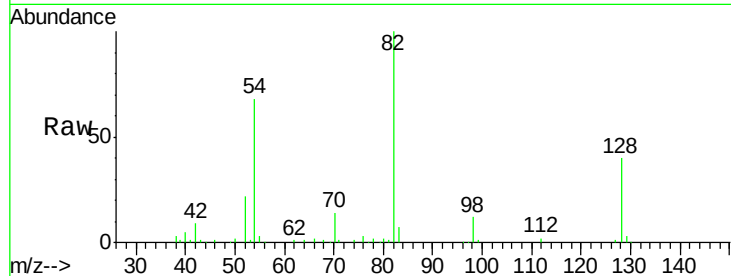
Tot Ion: 82 Resp: 90107

Ion Ratio Lower Upper

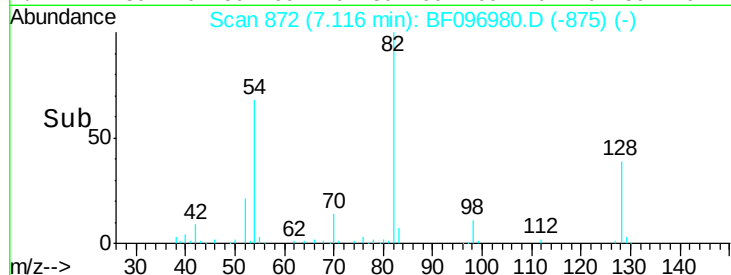
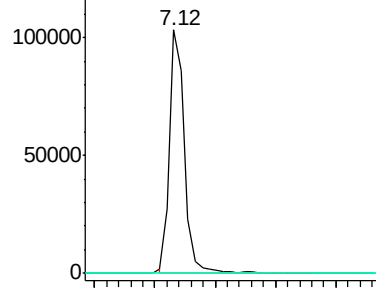
82 100

95 0.0 5.3 7.9#

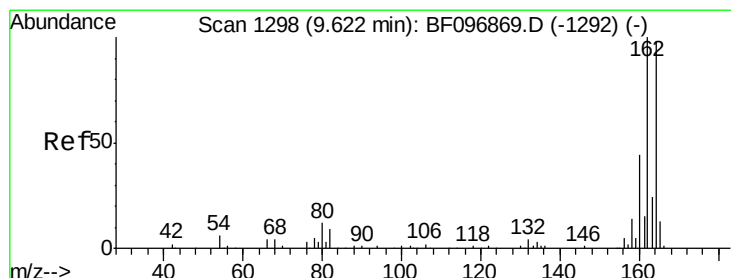
138 0.0 13.1 19.7#



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



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 1292

Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

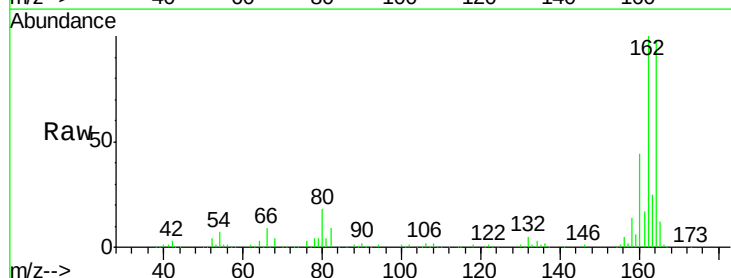
Tgt Ion:164 Resp: 140789

Ion Ratio Lower Upper

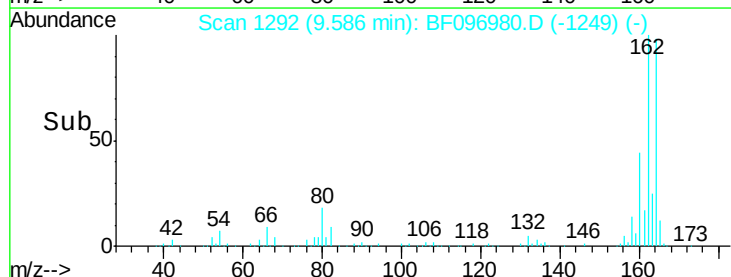
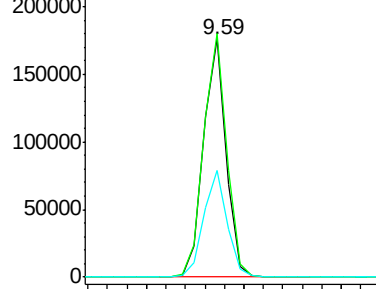
164 100

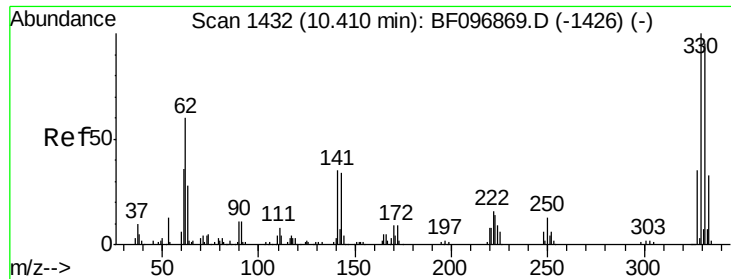
162 102.1 82.6 123.8

160 44.7 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

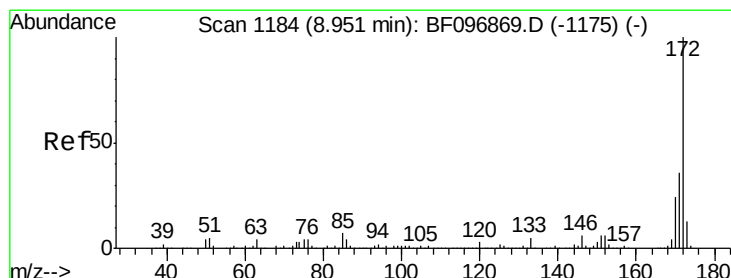
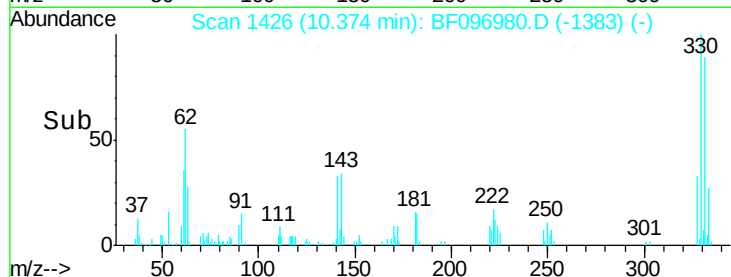
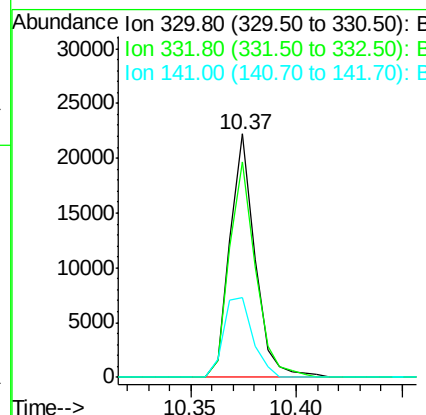
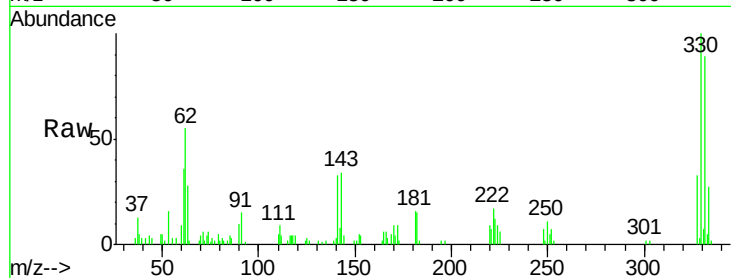




#41
 2,4,6-Tribromophenol
 Concen: 15.22 ng
 RT: 10.37 min Scan# 1426
 Delta R.T. -0.05 min
 Lab File: BF096980.D
 Acq: 22 Jul 2017 9:42

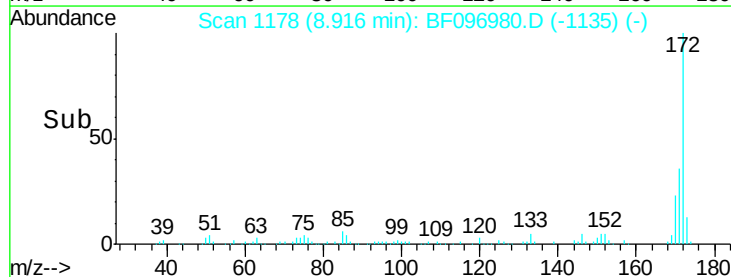
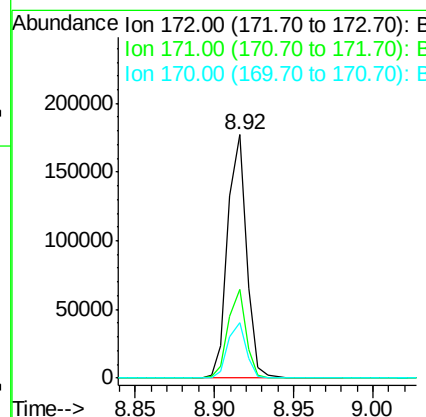
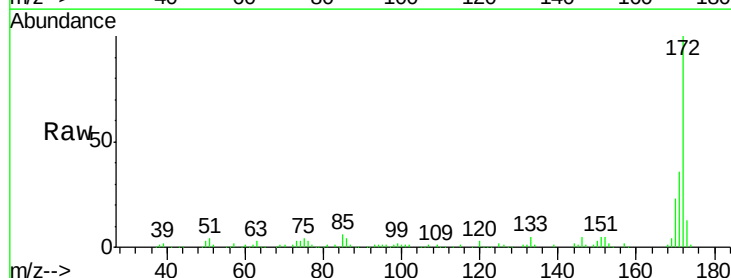
Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-BASE

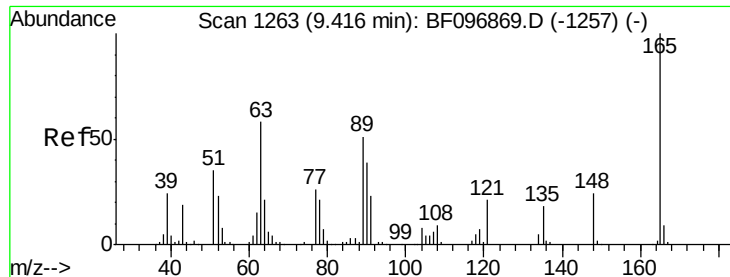
Tot Ion	Ratio	Lower	Upper
330	100		
332	92.4	76.6	115.0
141	38.6	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 16.36 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF096980.D
 Acq: 22 Jul 2017 9:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	22.9	19.8	29.8





#50

2,6-Dinitrotoluene

Concen: 8.16 ng

RT: 9.59 min Scan# 1292

Delta R.T. 0.16 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

ClientSampleId :

E2-M5-BASE

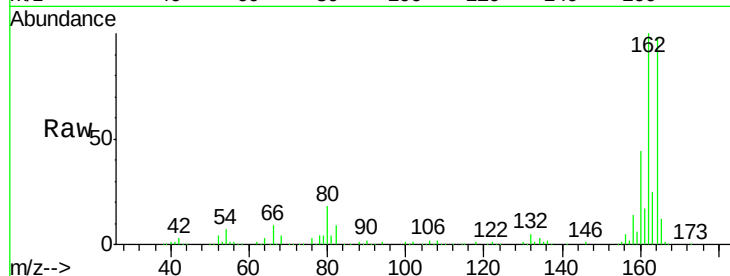
Tot Ion:165 Resp: 18747

Ion Ratio Lower Upper

165 100

63 1.6 34.3 51.5#

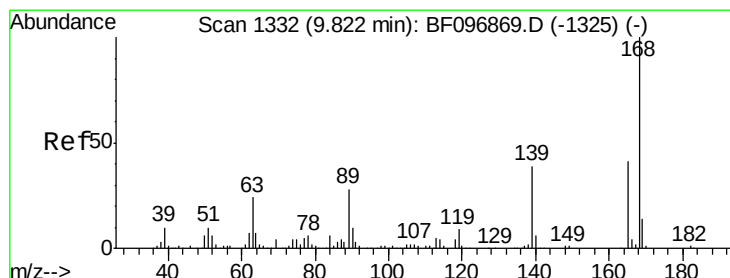
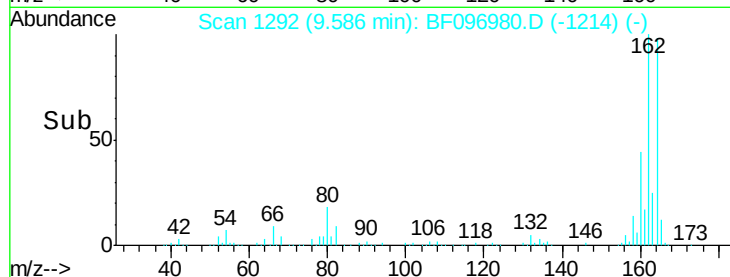
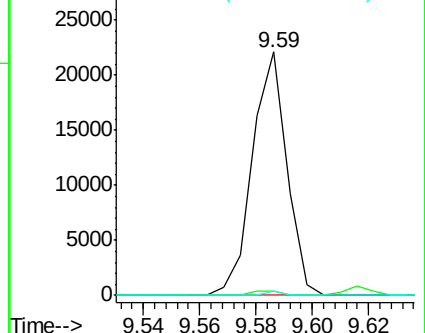
89 2.0 37.1 55.7#



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



#56

2,4-Dinitrotoluene

Concen: 6.35 ng

RT: 9.59 min Scan# 1292

Delta R.T. -0.24 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Tgt Ion:165 Resp: 18747

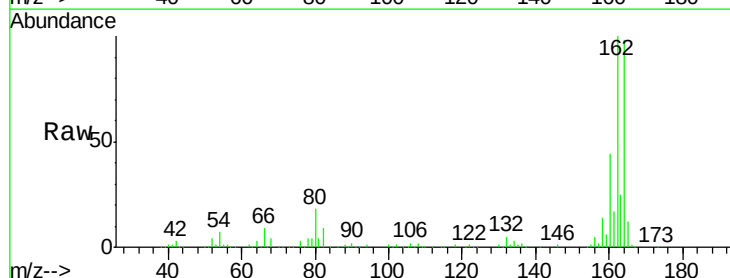
Ion Ratio Lower Upper

165 100

63 1.6 25.4 38.0#

89 2.0 46.4 69.6#

182 0.0 1.8 2.6#

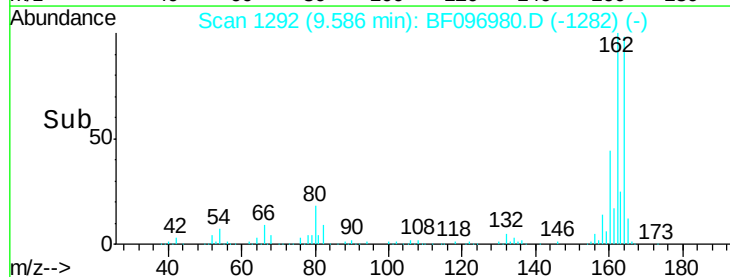
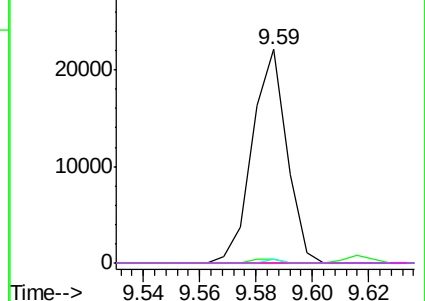


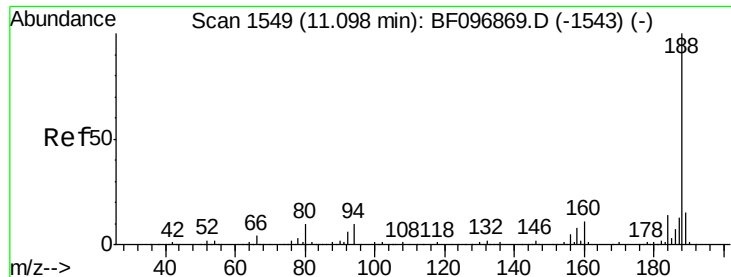
Abundance Ion 165.00 (164.70 to 165.70): E

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

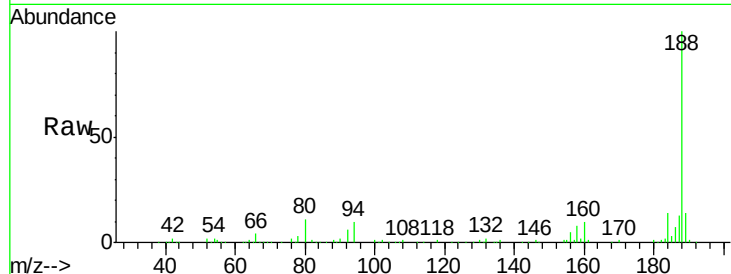




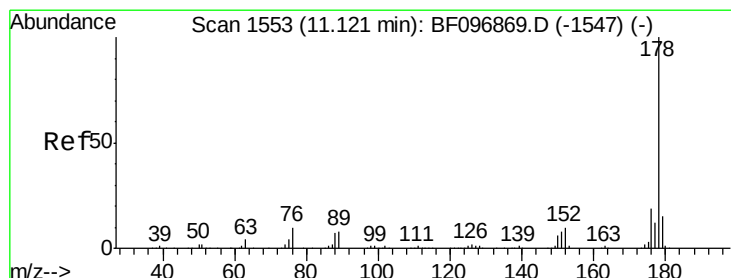
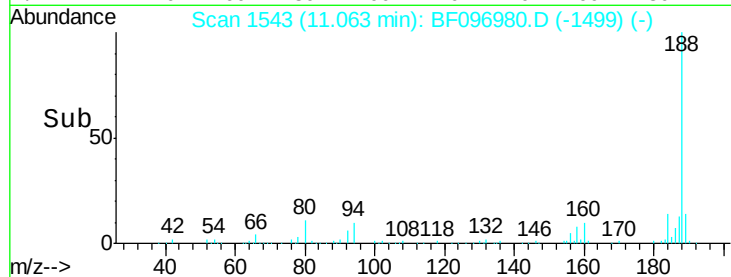
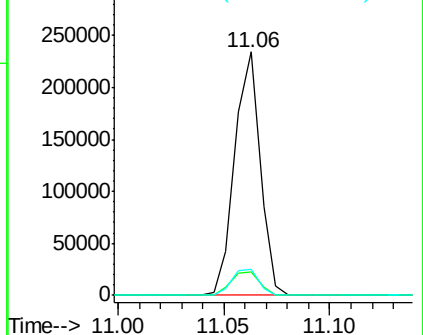
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 1543
Delta R.T. -0.04 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

Tot Ion:188 Resp: 195253
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.2
80 10.7 10.2 15.2

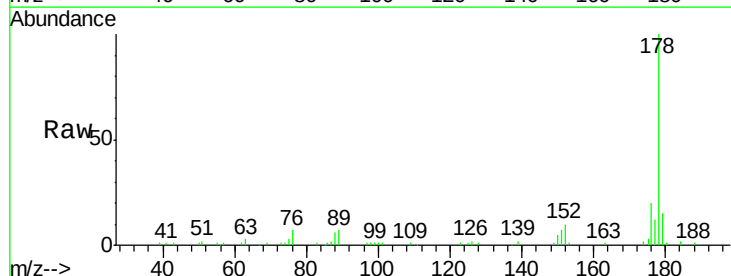


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

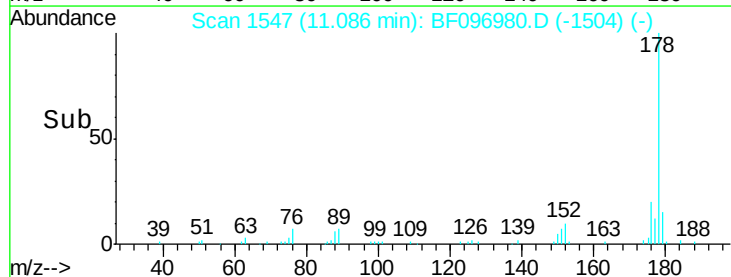
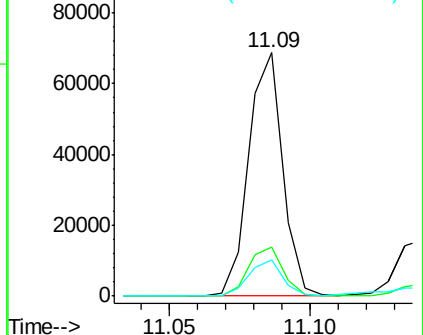


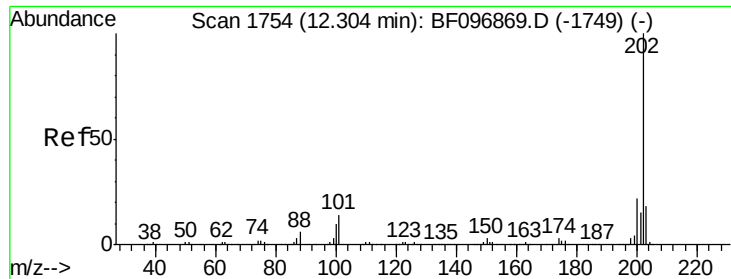
#70
Phenanthrene
Concen: 5.41 ng
RT: 11.09 min Scan# 1547
Delta R.T. -0.05 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Tgt Ion:178 Resp: 57465
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 14.7 12.6 19.0



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: 6.34 ng

RT: 12.27 min Scan# 1748

Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

ClientSampleId :

E2-M5-BASE

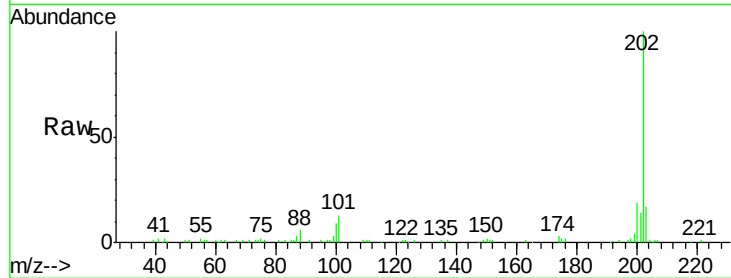
Tot Ion:202 Resp: 64408

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

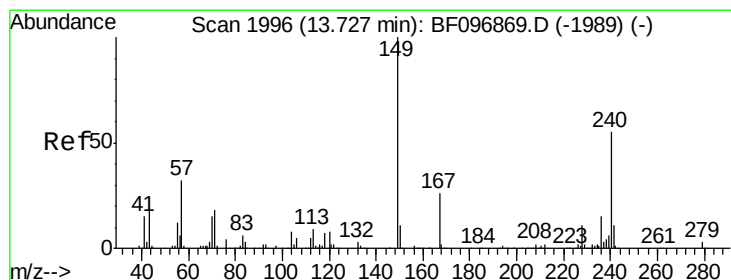
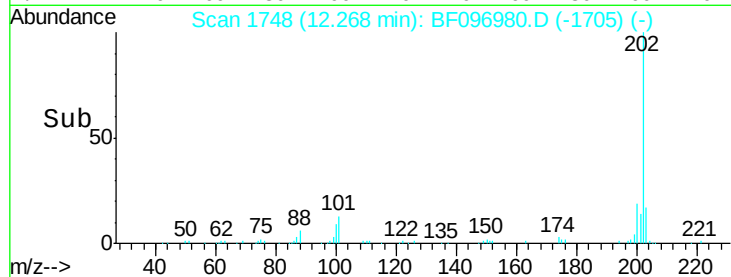
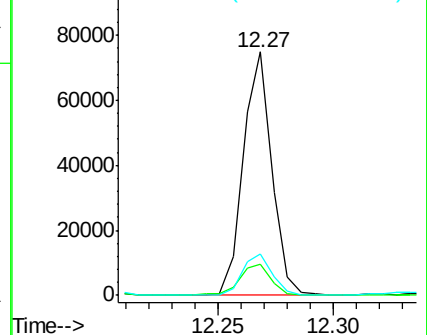
203 17.0 0.0 38.1



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: 13.69 min Scan# 1989

Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

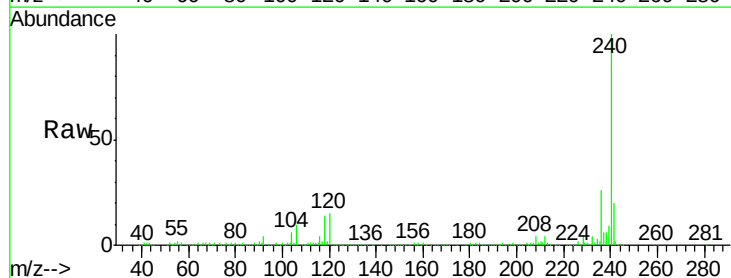
Tgt Ion:240 Resp: 212526

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

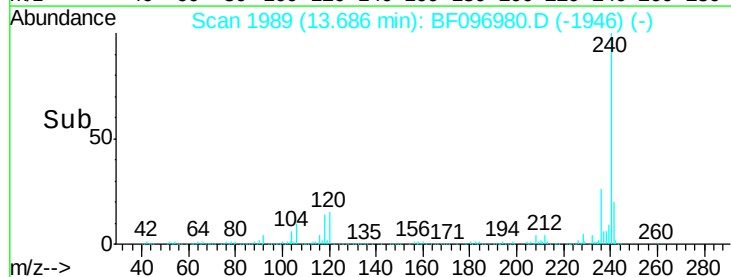
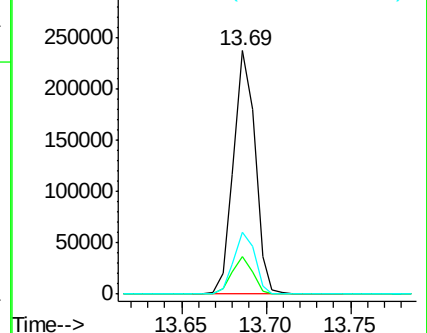
236 25.5 20.5 30.7

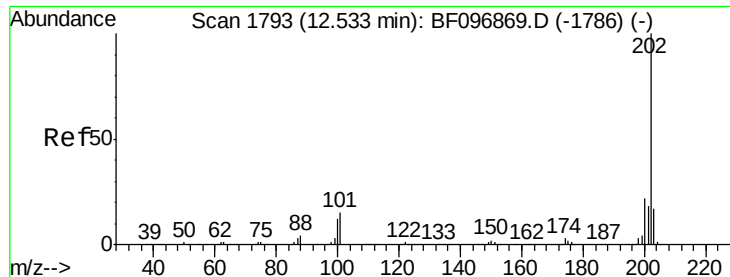


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.05 ng

RT: 12.49 min Scan# 1786

Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

ClientSampleId :

E2-M5-BASE

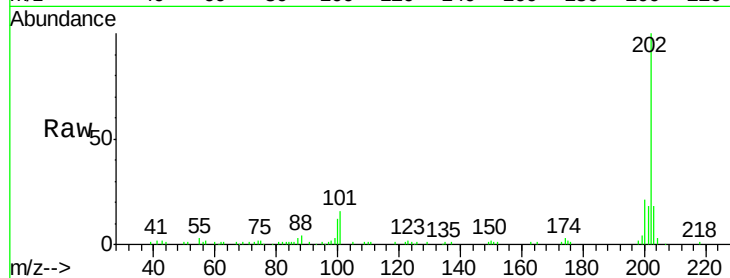
Tot Ion:202 Resp: 58743

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

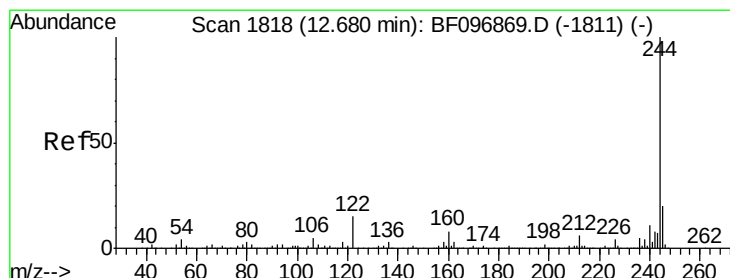
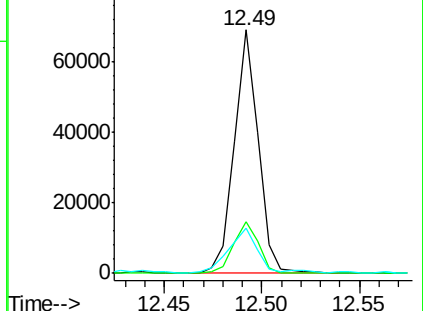
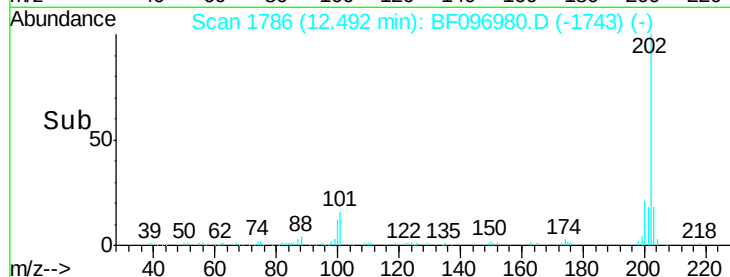
203 18.4 14.4 21.6



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: 7.33 ng

RT: 12.64 min Scan# 1811

Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

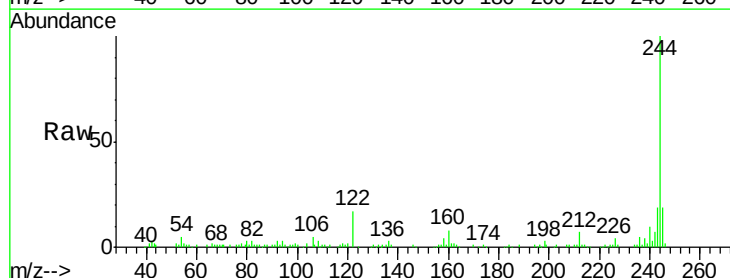
Tgt Ion:244 Resp: 89822

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

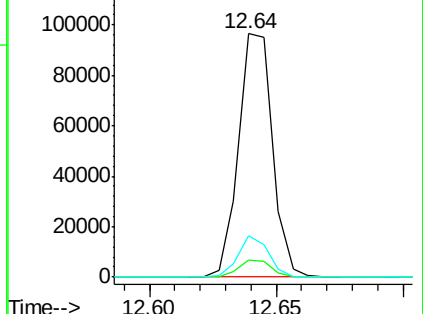
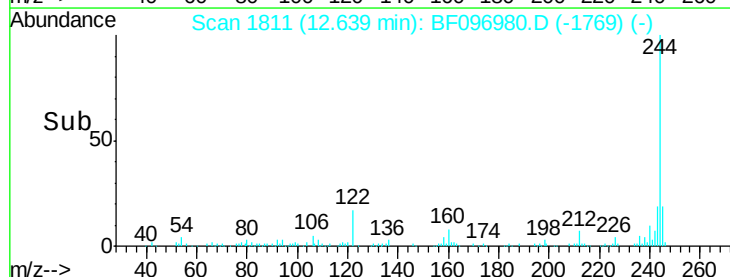
122 16.9 10.3 15.5#

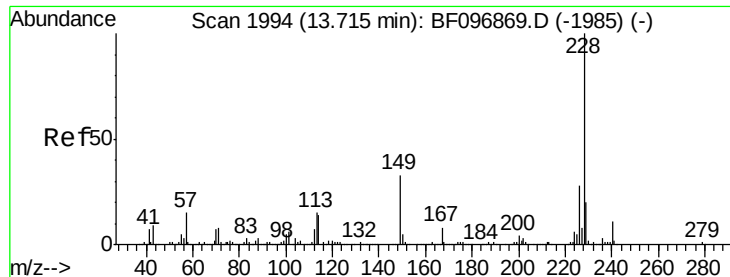


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.66 ng

RT: 13.68 min Scan# 1988

Delta R.T. -0.04 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

ClientSampleId :

E2-M5-BASE

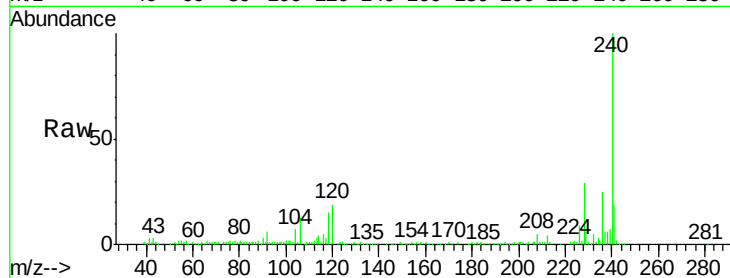
Tot Ion:228 Resp: 35205

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

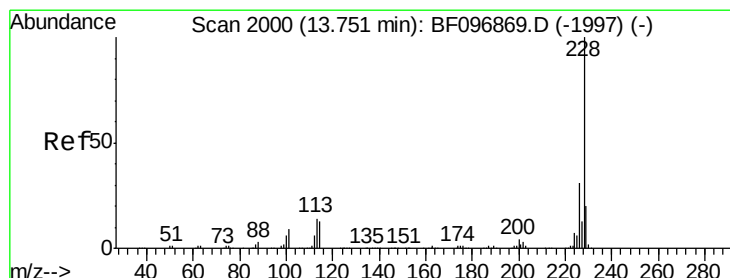
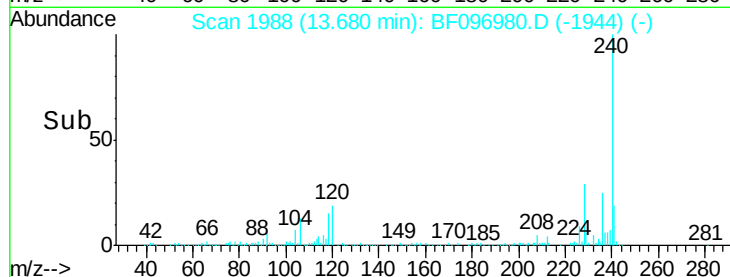
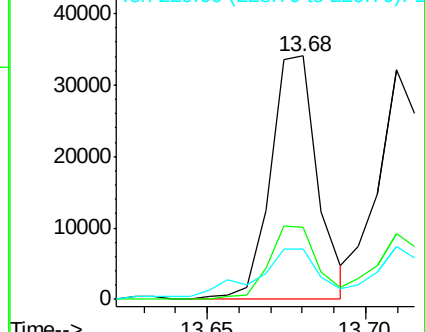
229 20.9 16.3 24.5



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



#82

Chrysene

Concen: 2.46 ng

RT: 13.71 min Scan# 1993

Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

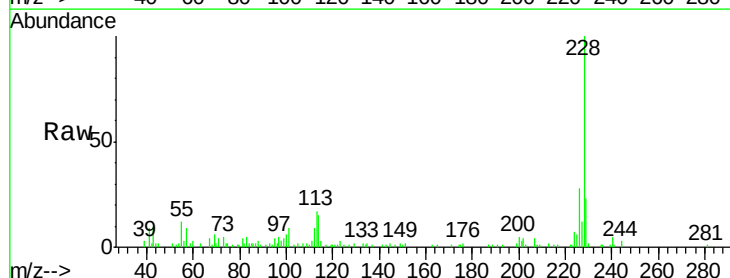
Tgt Ion:228 Resp: 32073

Ion Ratio Lower Upper

228 100

226 28.4 24.9 37.3

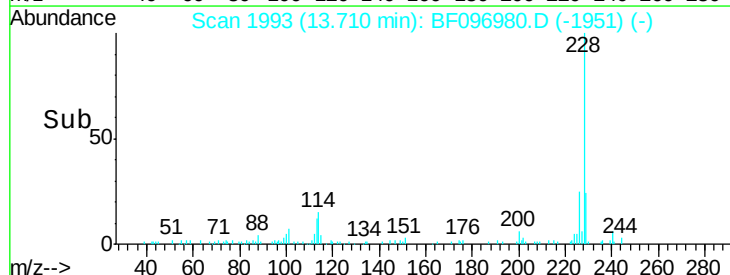
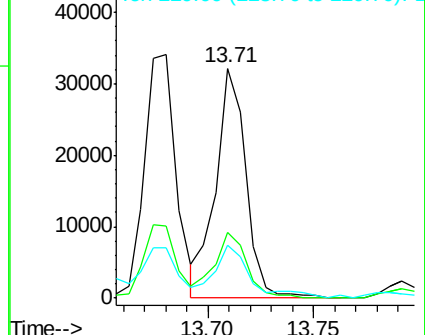
229 23.0 15.8 23.6

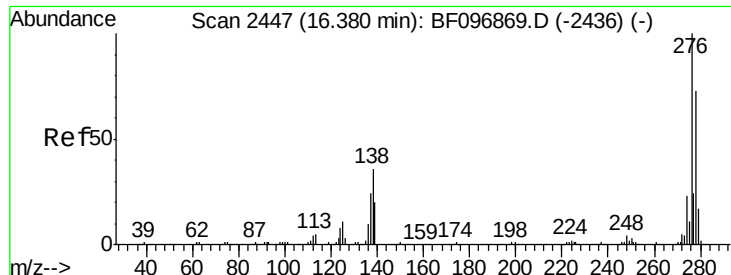


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

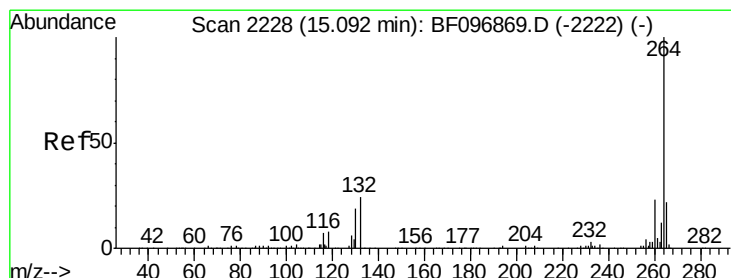
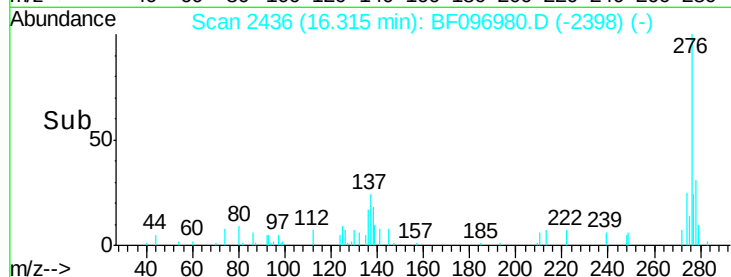
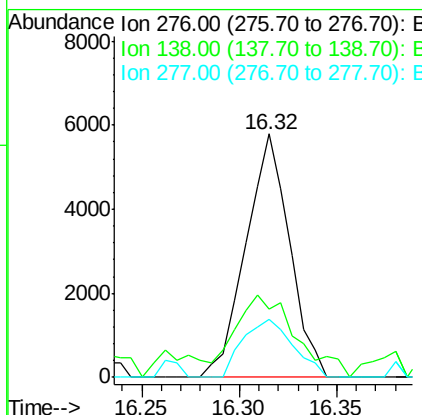
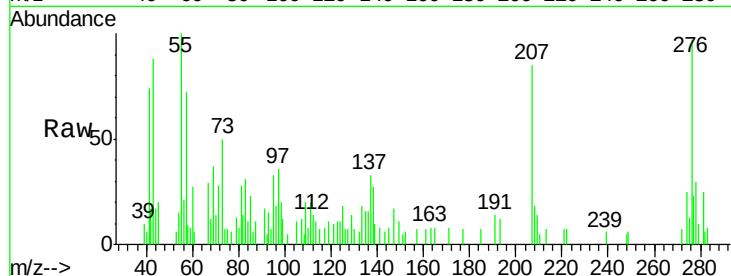




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.05 ng
RT: 16.32 min Scan# 2436
Delta R.T. -0.08 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

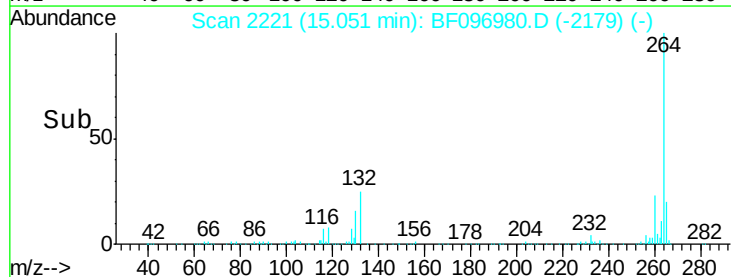
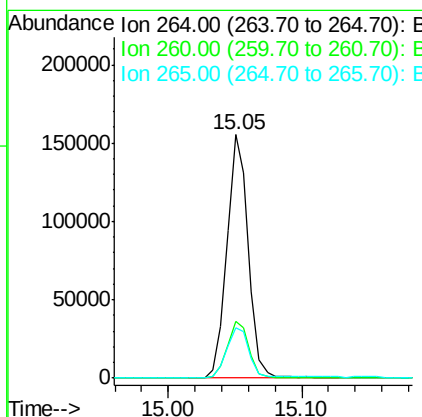
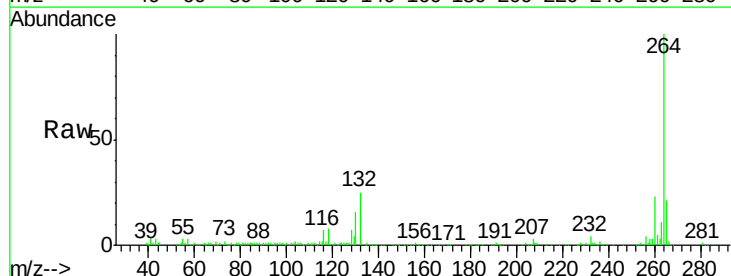
Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

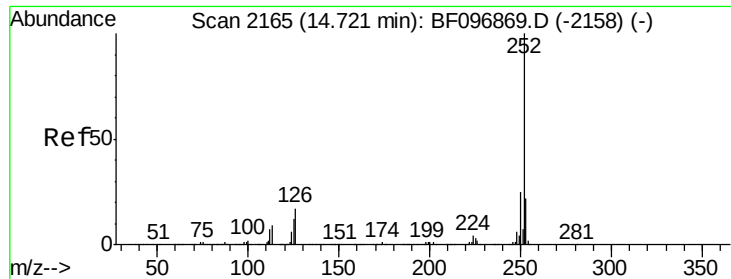
Tot Ion:276 Resp: 8997
Ion Ratio Lower Upper
276 100
138 46.4 27.8 41.6#
277 27.2 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 2221
Delta R.T. -0.05 min
Lab File: BF096980.D
Acq: 22 Jul 2017 9:42

Tgt Ion:264 Resp: 175191
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 20.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 4.09 ng

RT: 14.68 min Scan# 2158

Delta R.T. -0.05 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

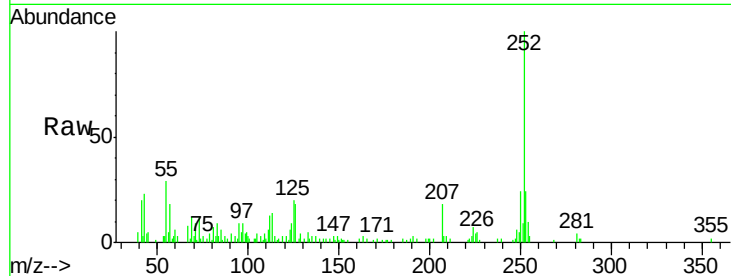
Instrument :

BNA_F

ClientSampleId :

E2-M5-BASE

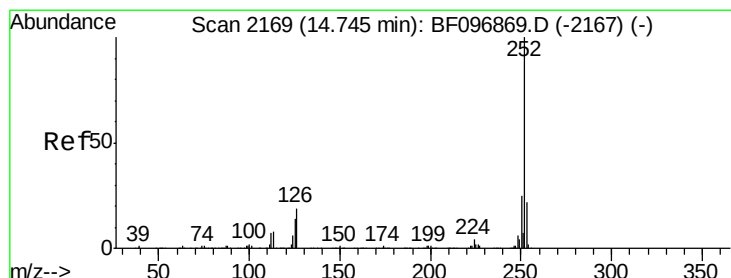
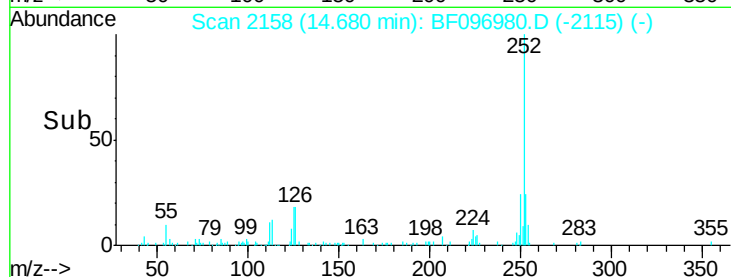
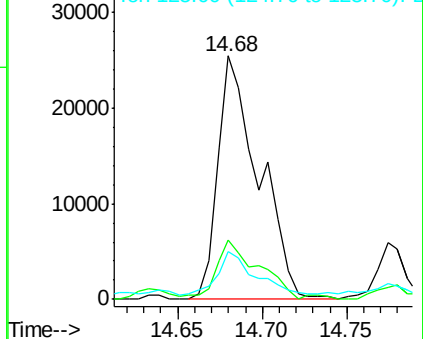
Tot Ion:252	Resp:	43256
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.1 27.1
125	19.6	9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 4.32 ng

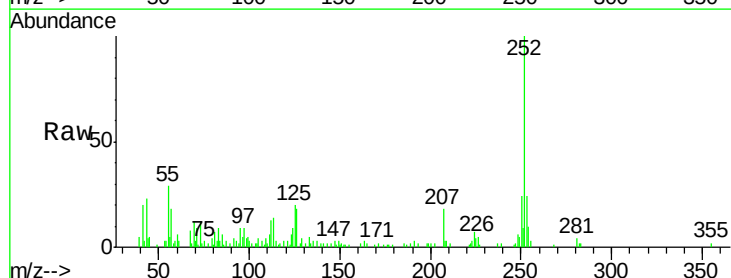
RT: 14.68 min Scan# 2158

Delta R.T. -0.08 min

Lab File: BF096980.D

Acq: 22 Jul 2017 9:42

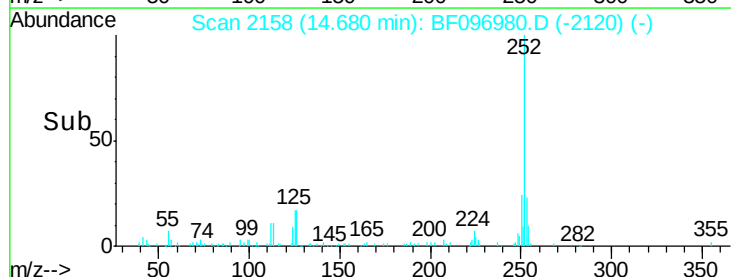
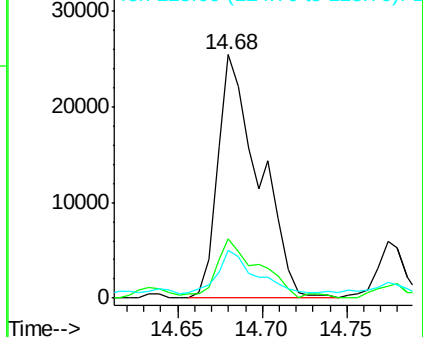
Tgt Ion:252	Resp:	43256
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.4 27.6
125	19.6	13.1 19.7

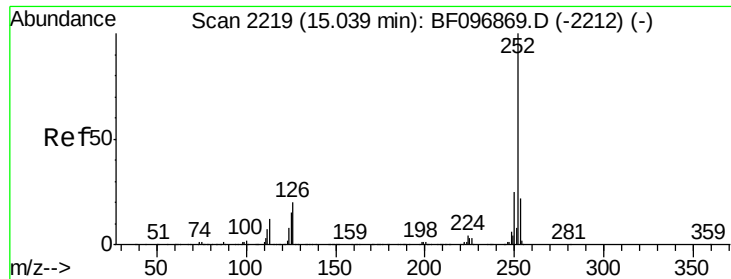


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.32 ng

RT: 15.00 min Scan# 2212

Delta R.T. -0.05 min

Lab File: BF096980.D

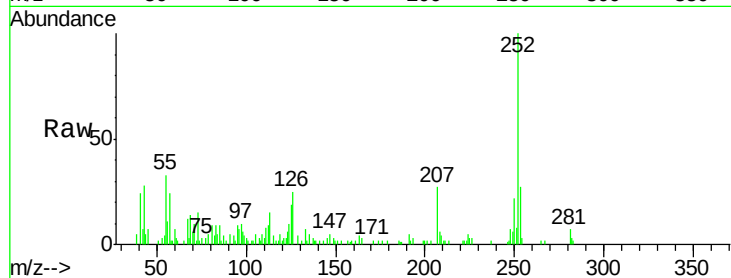
Acq: 22 Jul 2017 9:42

Instrument :

BNA_F

ClientSampleId :

E2-M5-BASE



Tot Ion:	252	Resp:	22512
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.5	26.3#
125	18.9	11.0	16.4#

