

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
 Data File : BF096620.D
 Acq On : 11 Jul 2017 00:06
 Operator : SJ/JU
 Sample : I4084-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 11 01:14:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

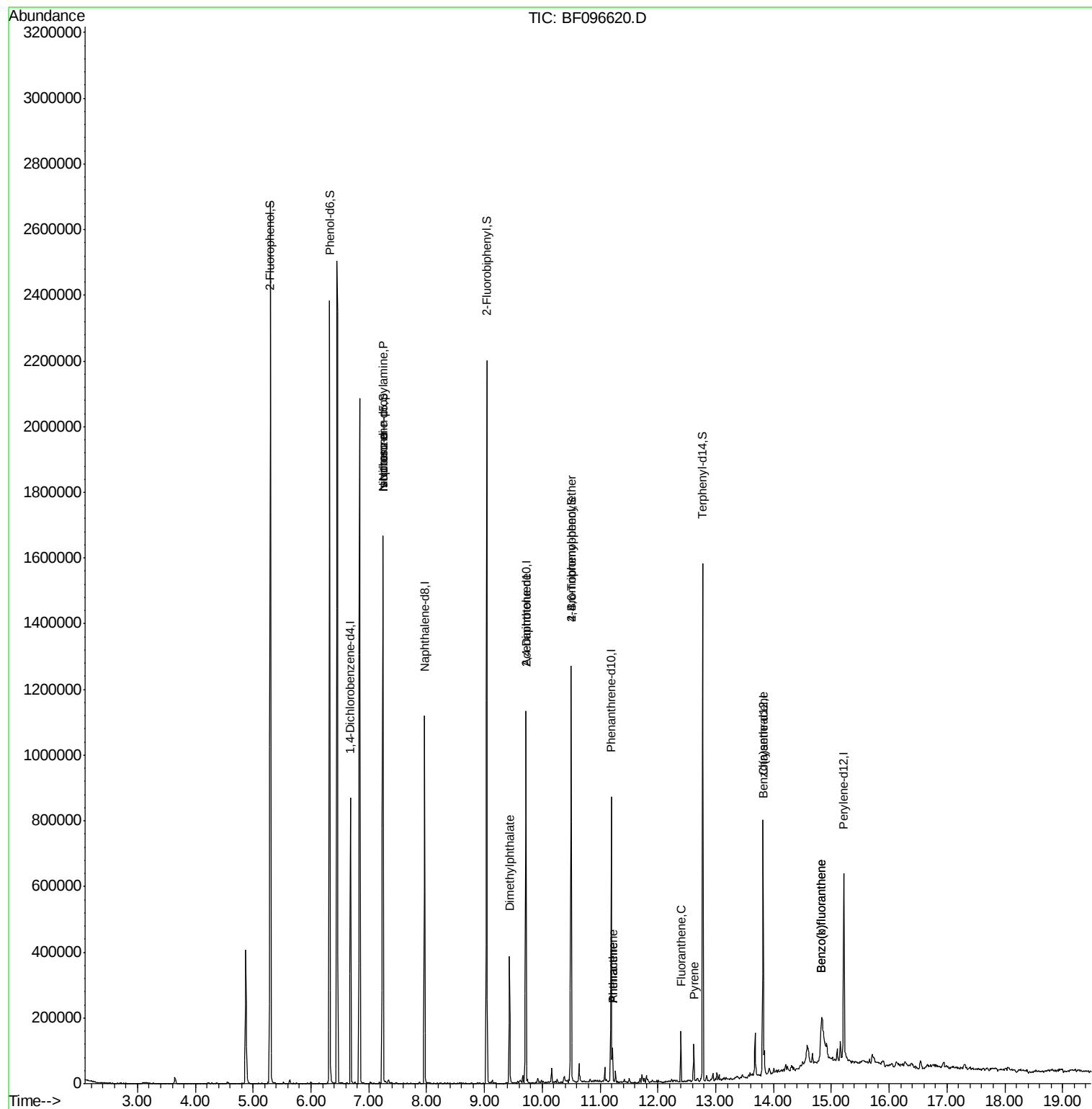
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	125965	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	512546	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	212742	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	295791	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	247648	20.00	ng	-0.02
86) Perylene-d12	15.22	264	244515	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	732691	85.85	ng	-0.01
7) Phenol-d6	6.32	99	888106	84.65	ng	-0.02
23) Nitrobenzene-d5	7.25	82	522932	61.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	139311	83.83	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	735871	59.14	ng	-0.02
78) Terphenyl-d14	12.77	244	450424	38.86	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.25	70	67114	10.74	ng	# 87
25) Isophorone	7.25	82	520694	31.48	ng	# 67
49) Dimethylphthalate	9.43	163	139326	8.77	ng	99
56) 2,4-Dinitrotoluene	9.72	165	26279	5.91	ng	# 33
66) 4-Bromophenyl-phenylether	10.50	248	9043	3.14	ng	# 1
70) Phenanthrene	11.22	178	35478	2.22	ng	96
71) Anthracene	11.22	178	35478	2.18	ng	97
74) Fluoranthene	12.40	202	56297	3.59	ng	97
77) Pyrene	12.62	202	44190	2.22	ng	97
80) Benzo(a)anthracene	13.81	228	29057	2.03	ng	97
87) Benzo(b)fluoranthene	14.82	252	39083	2.55	ng	# 90
88) Benzo(k)fluoranthene	14.82	252	39083	2.85	ng	# 93

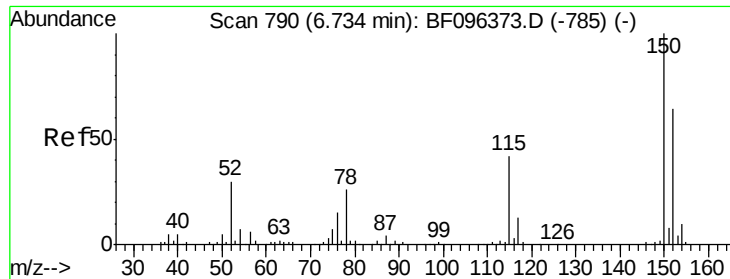
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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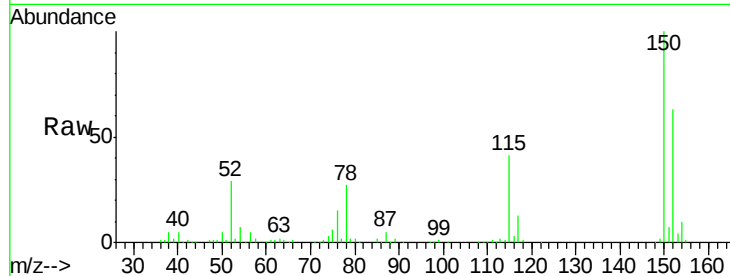


#1

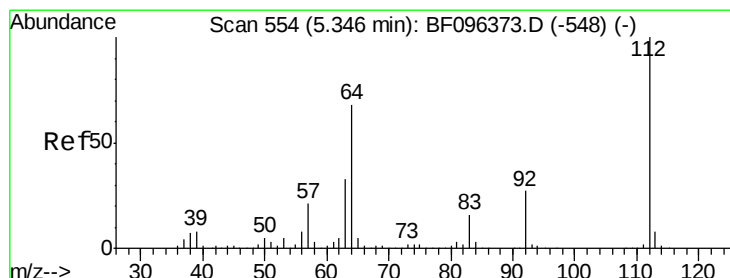
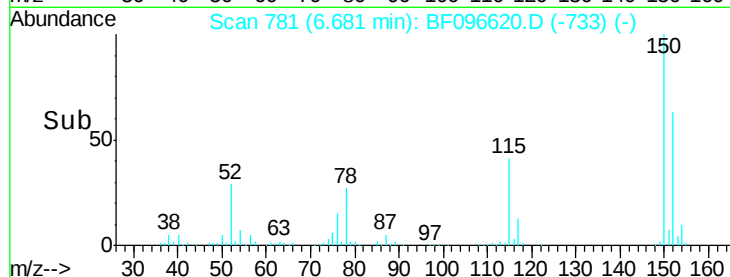
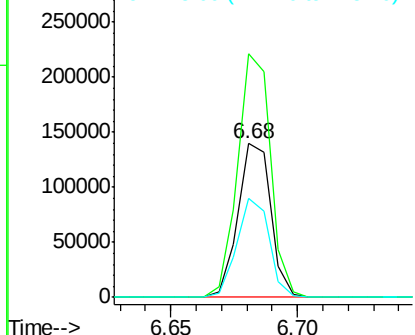
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF096620.D
Acq: 11 Jul 2017 00:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 125965
Ion Ratio Lower Upper
152 100
150 158.5 126.2 189.2
115 64.7 52.2 78.2



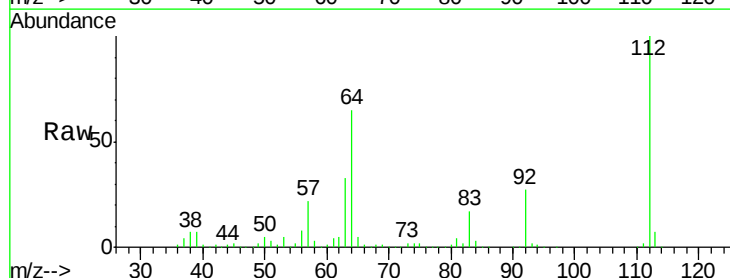
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



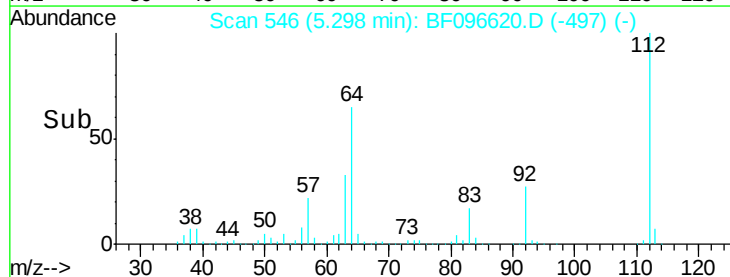
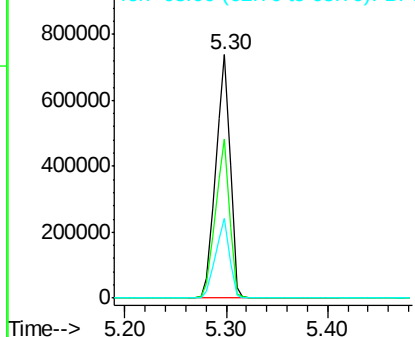
#5

2-Fluorophenol
Concen: 85.85 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096620.D
Acq: 11 Jul 2017 00:06

Tgt Ion:112 Resp: 732691
Ion Ratio Lower Upper
112 100
64 65.4 46.0 69.0
63 33.0 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: 84.65 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF096620.D

Acq: 11 Jul 2017 00:06

Instrument :

BNA_F

ClientSampleId :

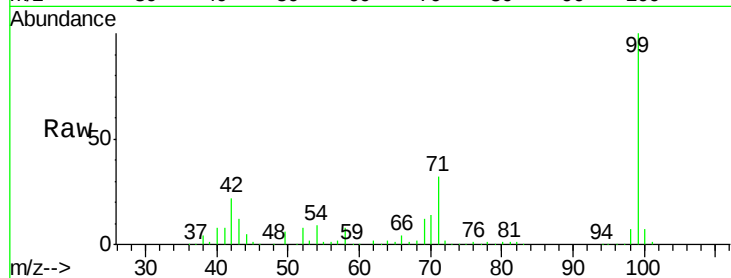
Tot Ion: 99 Resp: 888106

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

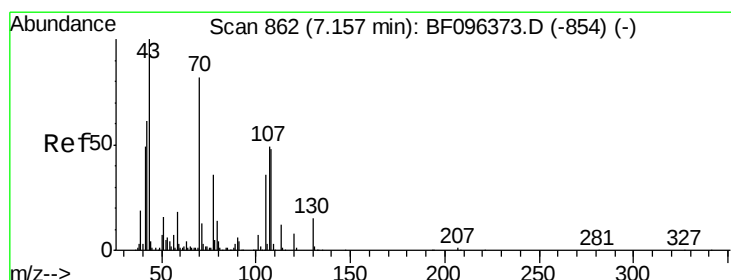
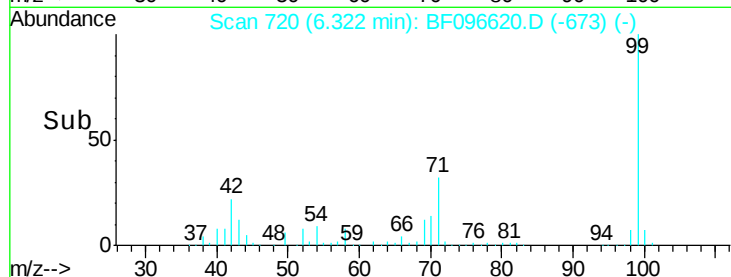
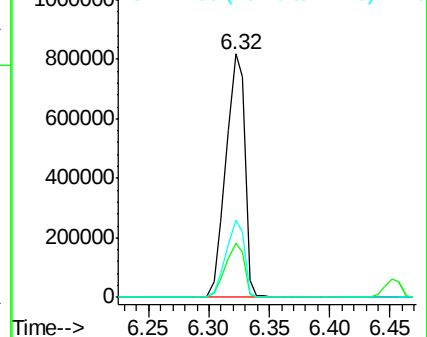
71 31.6 24.5 36.7



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: 10.74 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.12 min

Lab File: BF096620.D

Acq: 11 Jul 2017 00:06

Tgt Ion: 70 Resp: 67114

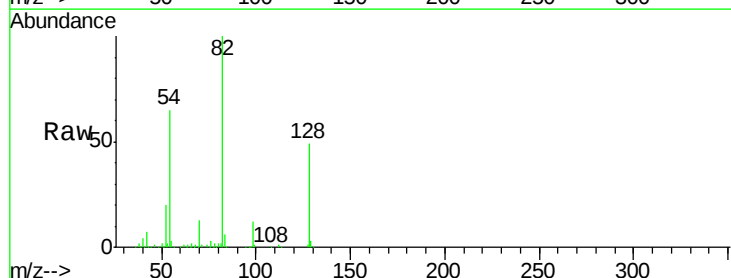
Ion Ratio Lower Upper

70 100

42 57.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

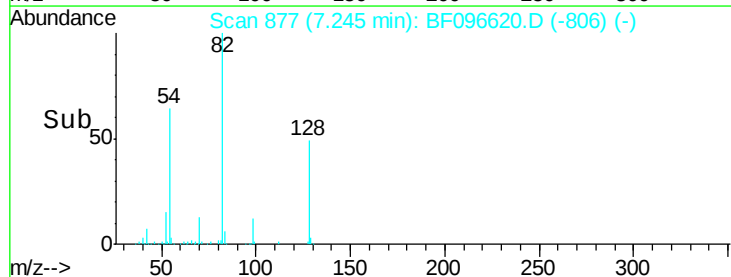
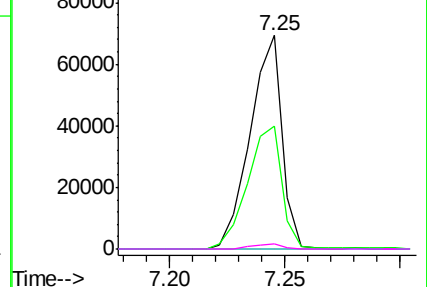


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.96 min Scan# 999

Delta R.T. -0.02 min

Lab File: BF096620.D

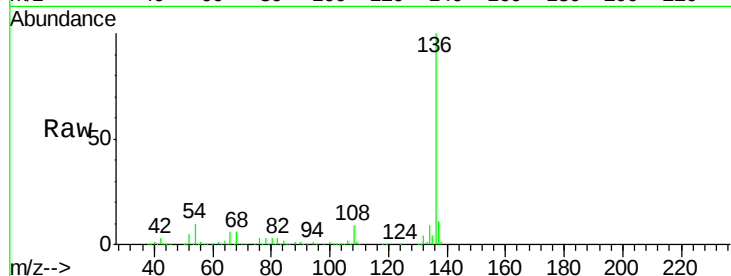
Acq: 11 Jul 2017 00:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	512546
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.5 12.7
54	10.4	4.9 7.3#
68	5.8	4.1 6.1

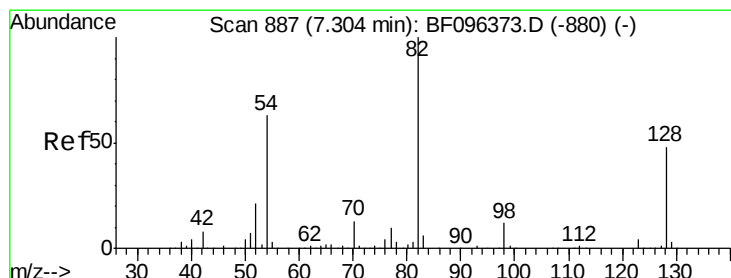
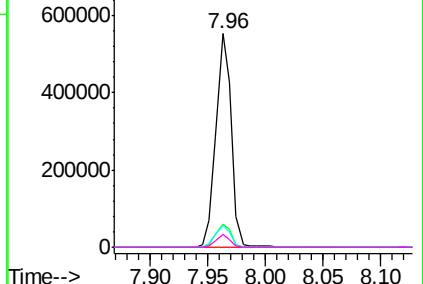
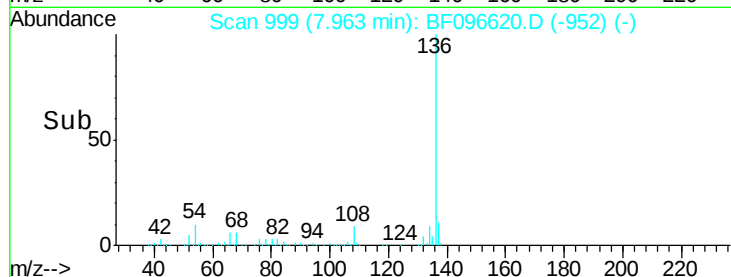


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.31 ng

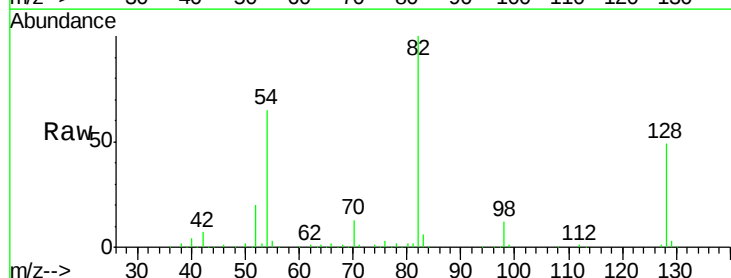
RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF096620.D

Acq: 11 Jul 2017 00:06

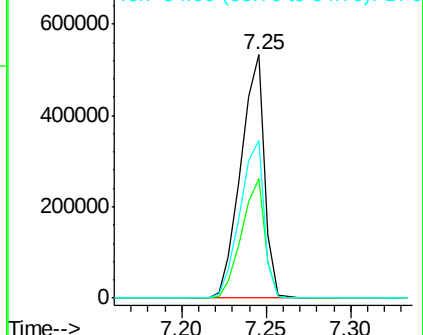
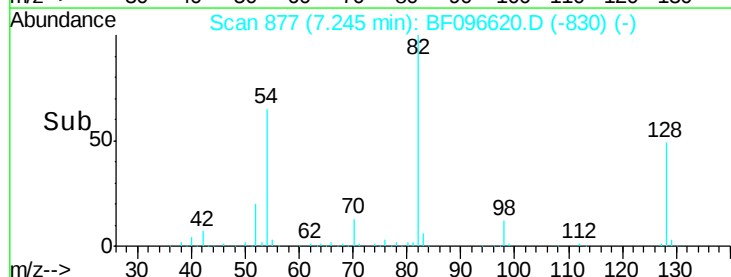
Tgt Ion: 82	Resp:	522932
Ion	Ratio	Lower Upper
82	100	
128	49.1	34.0 51.0
54	65.0	42.2 63.2#

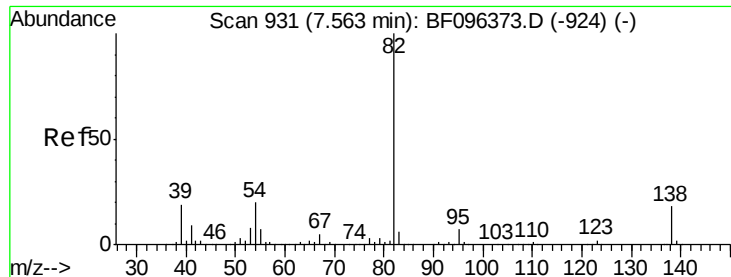


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.48 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.28 min

Lab File: BF096620.D

Acq: 11 Jul 2017 00:06

Instrument :

BNA_F

ClientSampleId :

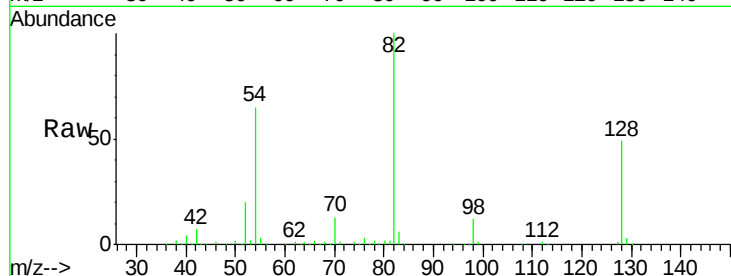
Tot Ion: 82 Resp: 520694

Ion Ratio Lower Upper

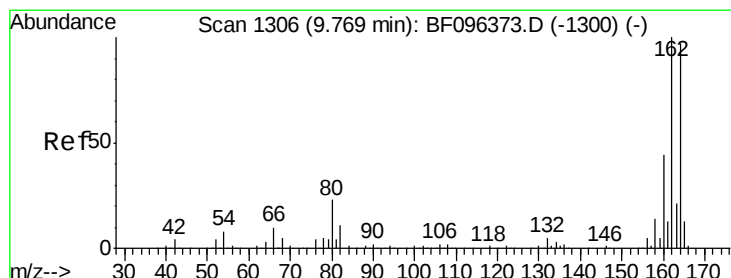
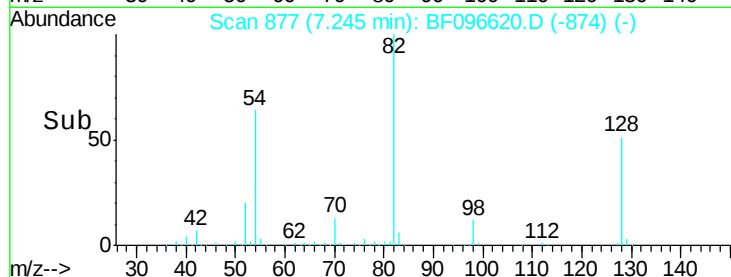
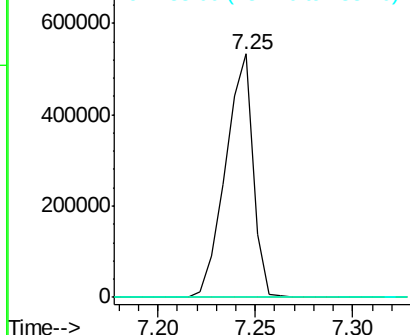
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096620.D

Acq: 11 Jul 2017 00:06

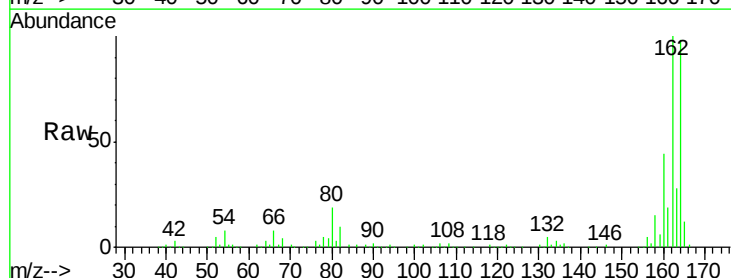
Tgt Ion: 164 Resp: 212742

Ion Ratio Lower Upper

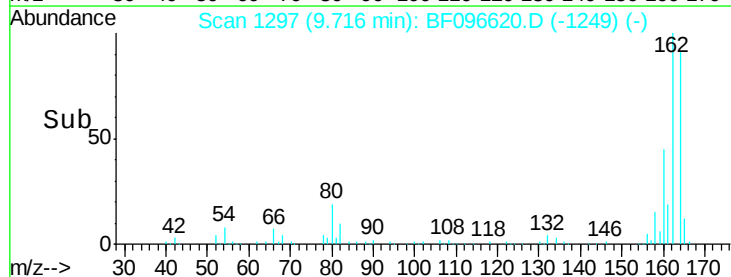
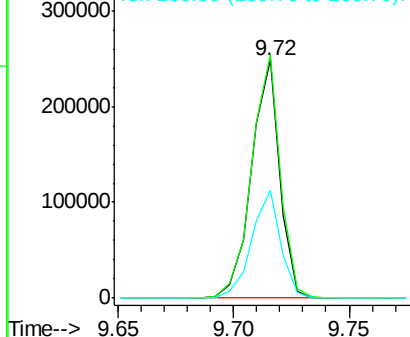
164 100

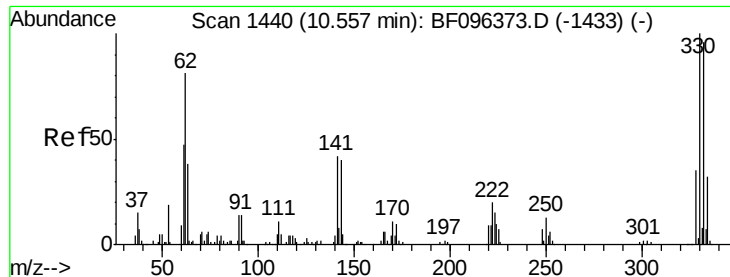
162 102.3 82.6 123.8

160 45.3 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

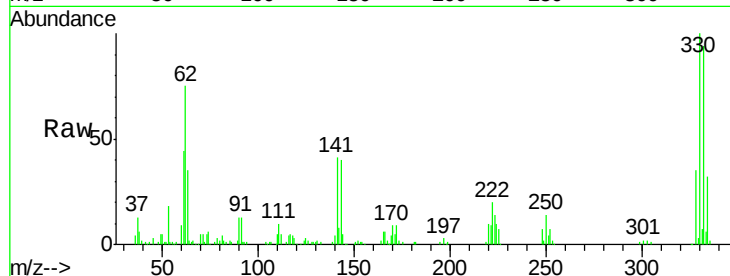




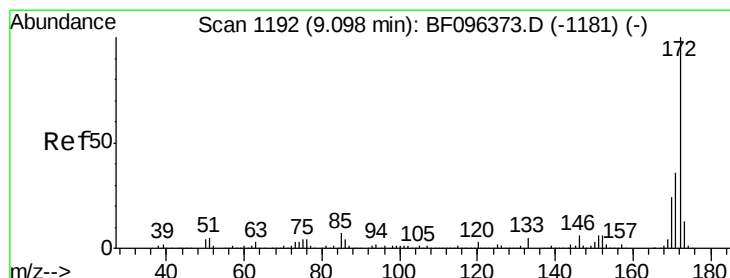
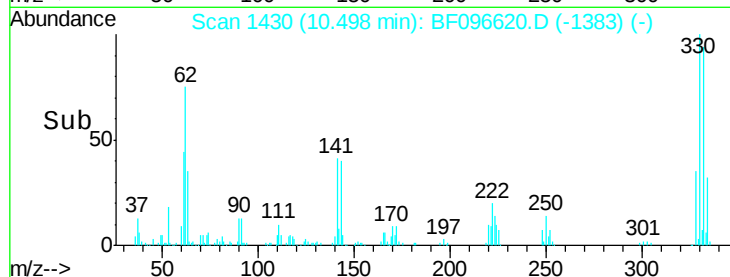
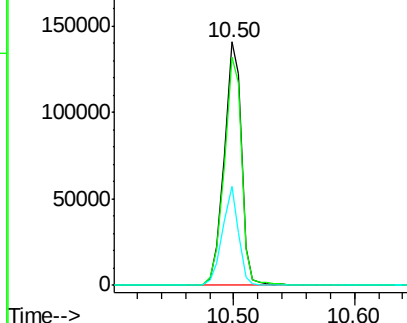
#41
 2,4,6-Tribromophenol
 Concen: 83.83 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF096620.D
 Acq: 11 Jul 2017 00:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.6	115.0
141	37.6	31.4	47.2

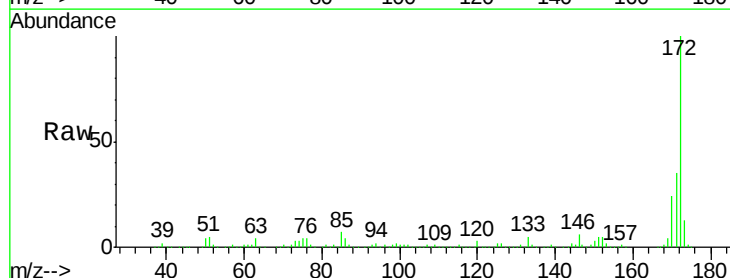


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

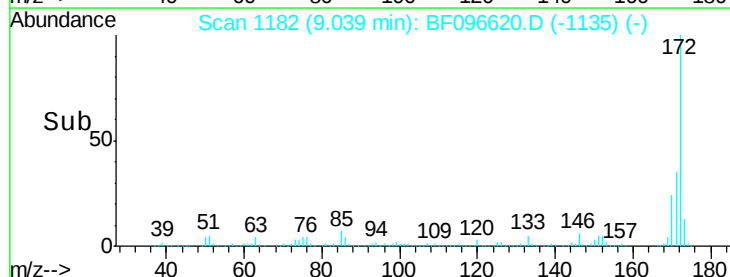
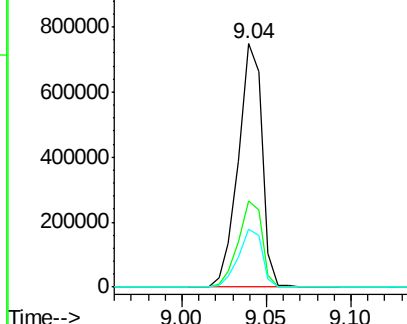


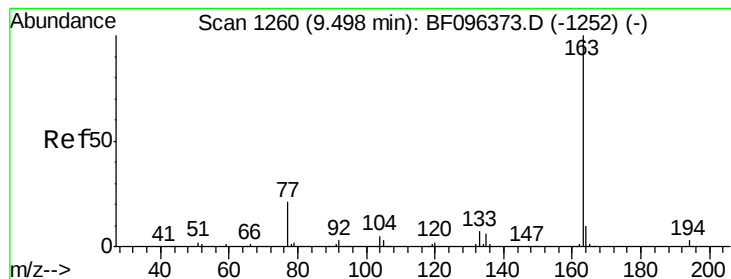
#44
 2-Fluorobiphenyl
 Concen: 59.14 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: BF096620.D
 Acq: 11 Jul 2017 00:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.6	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: 8.77 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.04 min

Lab File: BF096620.D

Acq: 11 Jul 2017 00:06

Instrument :

BNA_F

ClientSampled :

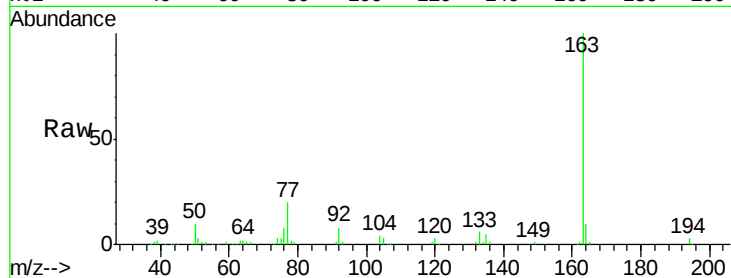
Tot Ion:163 Resp: 139326

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

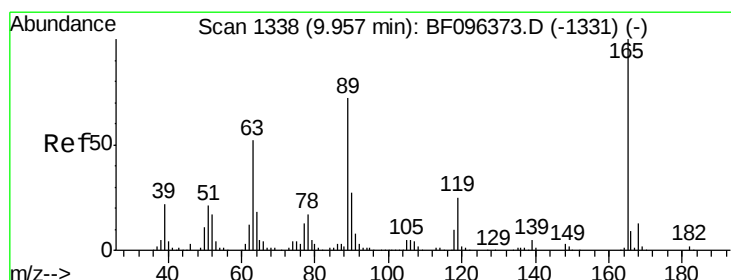
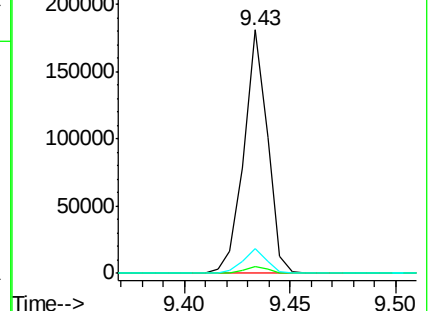
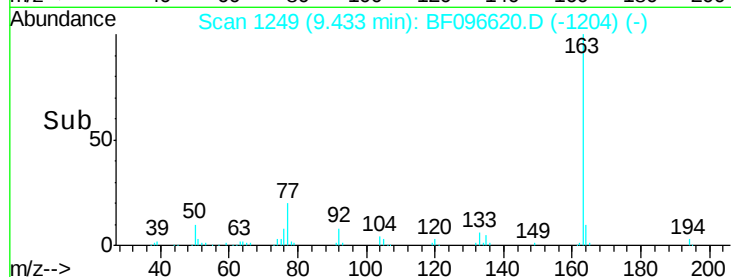
164 10.1 8.4 12.6



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: 5.91 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.21 min

Lab File: BF096620.D

Acq: 11 Jul 2017 00:06

Tgt Ion:165 Resp: 26279

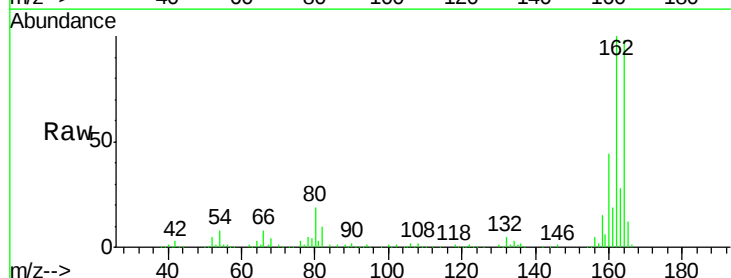
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

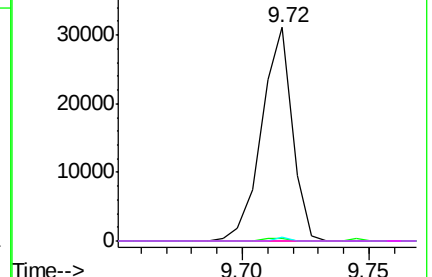
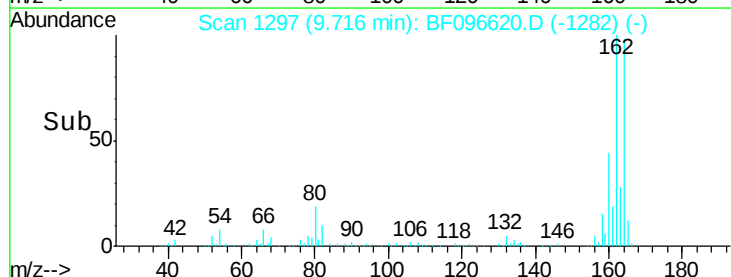


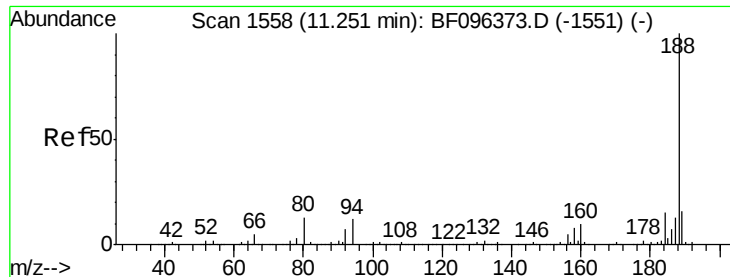
Abundance Ion 165.00 (164.70 to 165.70): E

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

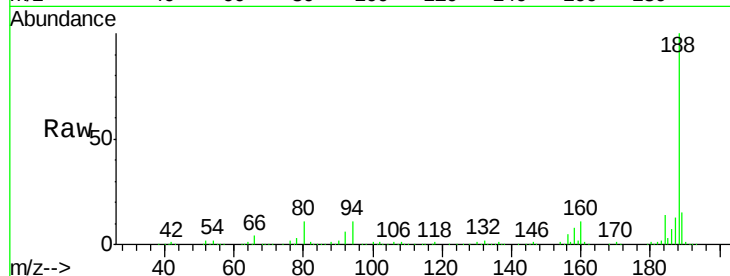




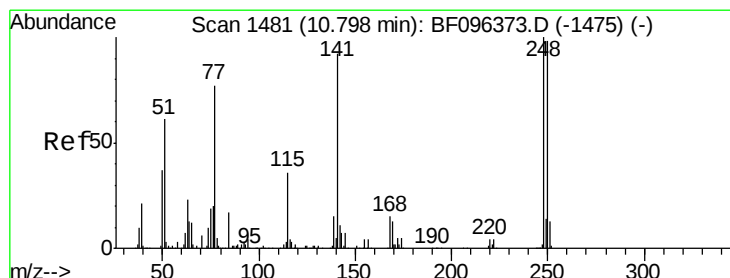
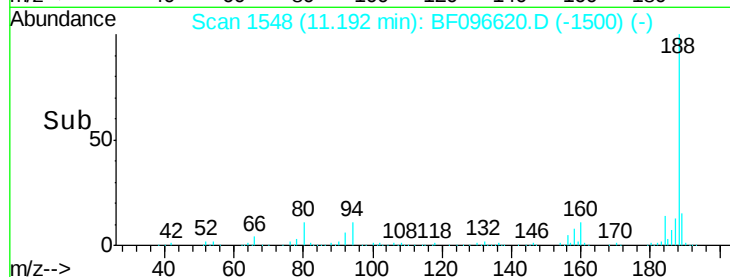
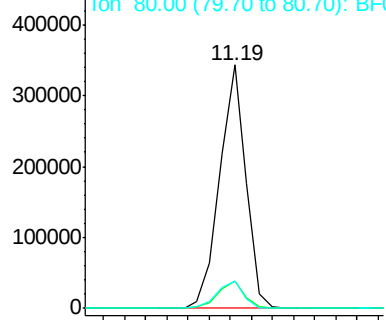
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF096620.D
Acq: 11 Jul 2017 00:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 295791
Ion Ratio Lower Upper
188 100
94 11.1 9.4 14.2
80 11.1 10.2 15.2

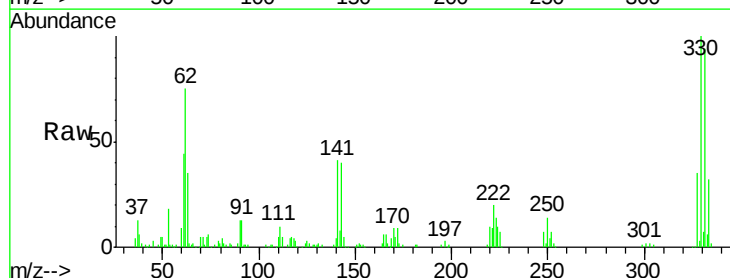


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

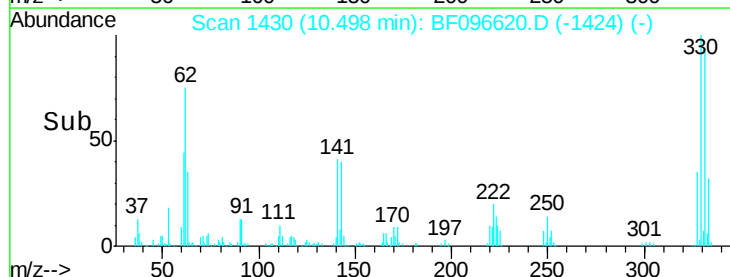
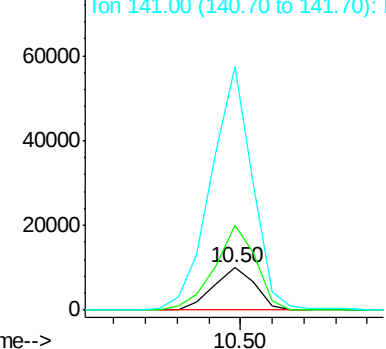


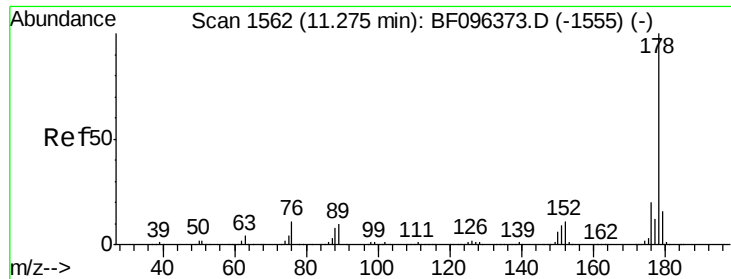
#66
4-Bromophenyl-phenylether
Concen: 3.14 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.26 min
Lab File: BF096620.D
Acq: 11 Jul 2017 00:06

Tgt Ion:248 Resp: 9043
Ion Ratio Lower Upper
248 100
250 200.6 76.8 115.2#
141 578.9 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

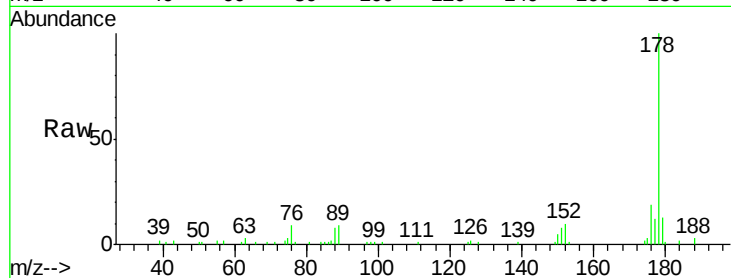




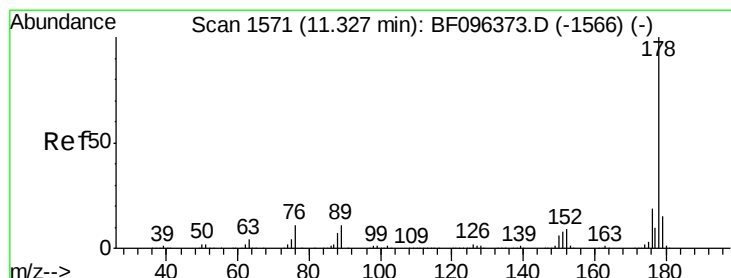
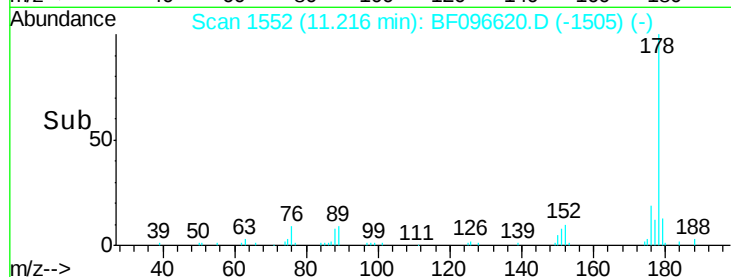
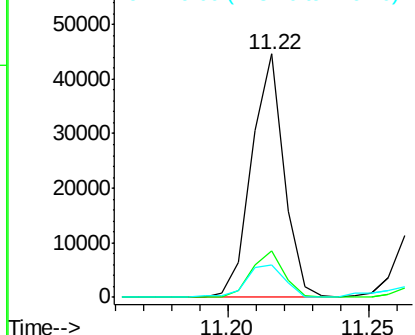
#70
Phenanthrene
Concen: 2.22 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF096620.D
Acq: 11 Jul 2017 00:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 35478
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 13.5 12.6 19.0

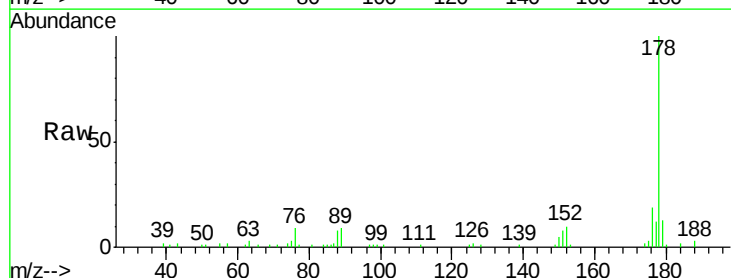


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

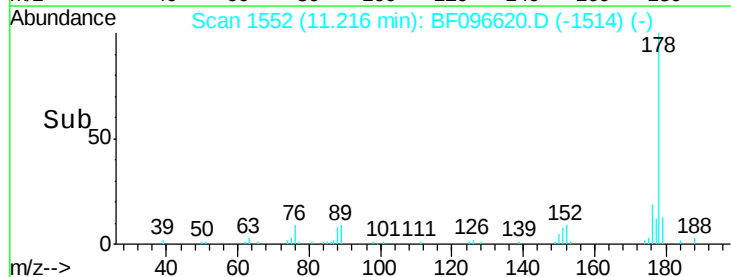
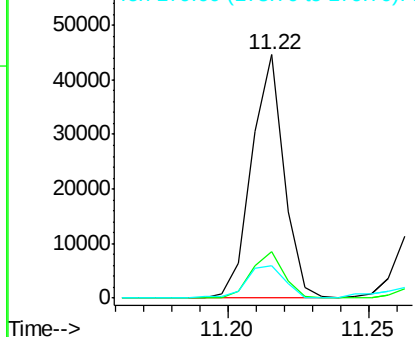


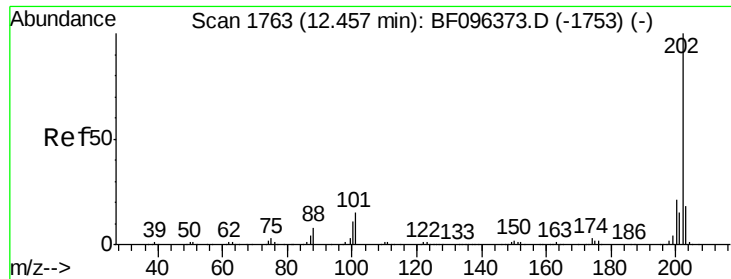
#71
Anthracene
Concen: 2.18 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.08 min
Lab File: BF096620.D
Acq: 11 Jul 2017 00:06

Tgt Ion:178 Resp: 35478
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 13.5 12.7 19.1



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

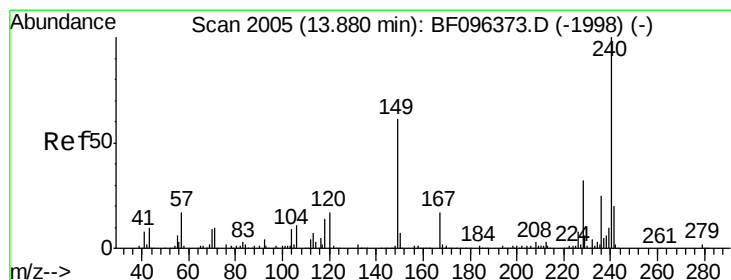
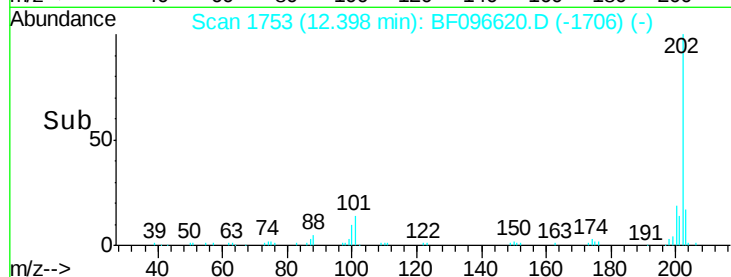
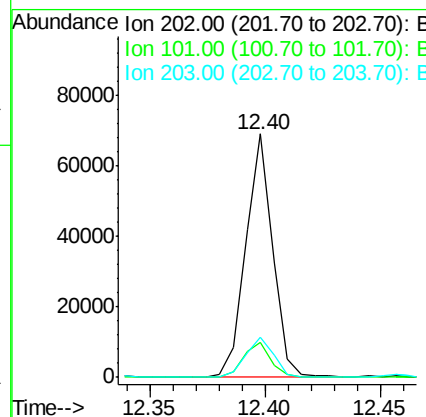
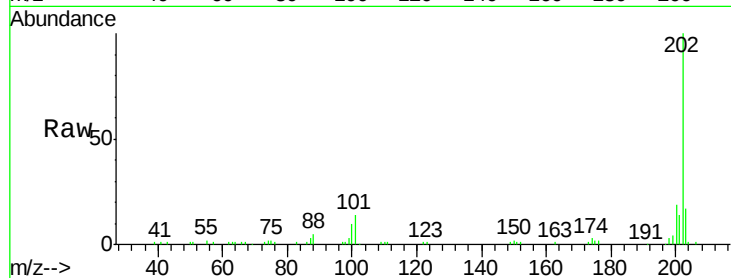




#74
 Fluoranthene
 Concen: 3.59 ng
 RT: 12.40 min Scan# 1753
 Delta R.T. -0.02 min
 Lab File: BF096620.D
 Acq: 11 Jul 2017 00:06

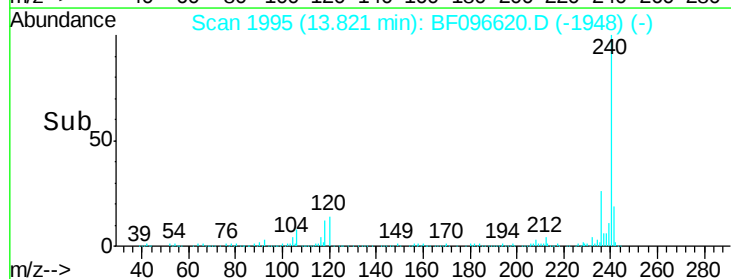
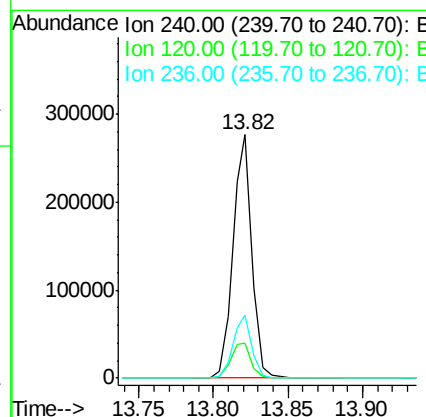
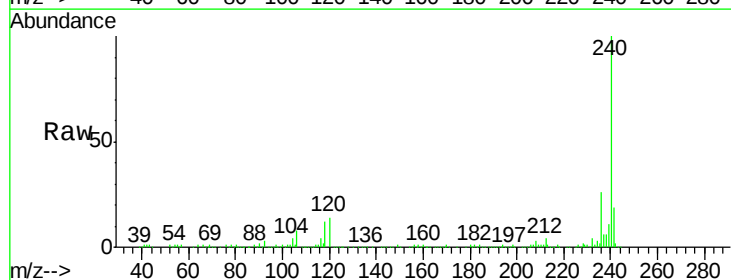
Instrument :
 BNA_F
 ClientSampleId :

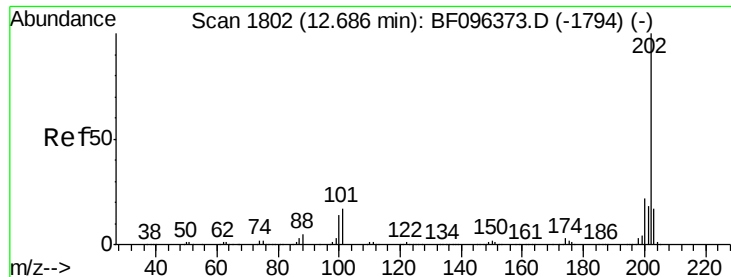
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	33.2
203	16.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF096620.D
 Acq: 11 Jul 2017 00:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	25.7	20.5	30.7





#77

Pvrene

Concen: 2.22 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.03 min

Lab File: BF096620.D

Acq: 11 Jul 2017 00:06

Instrument :

BNA_F

ClientSampleId :

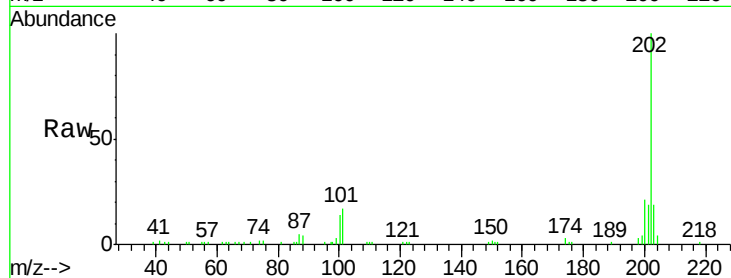
Tot Ion:202 Resp: 44190

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

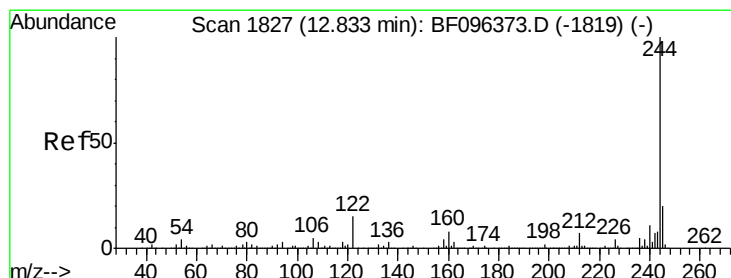
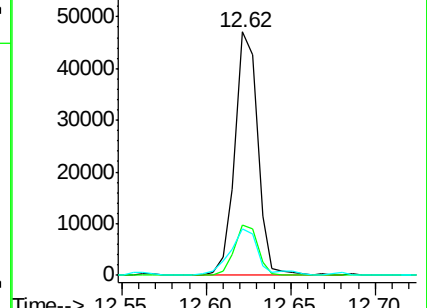
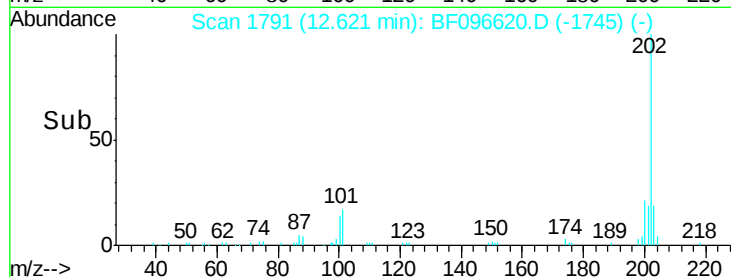
203 19.3 14.4 21.6



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: 38.86 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF096620.D

Acq: 11 Jul 2017 00:06

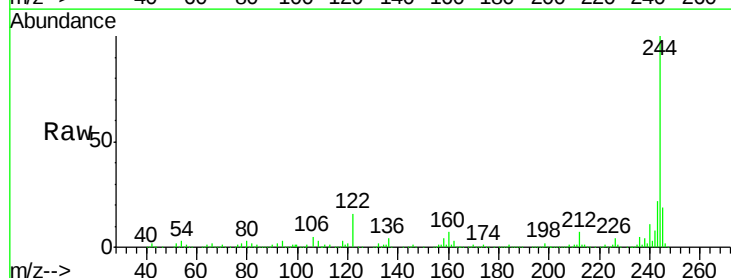
Tgt Ion:244 Resp: 450424

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

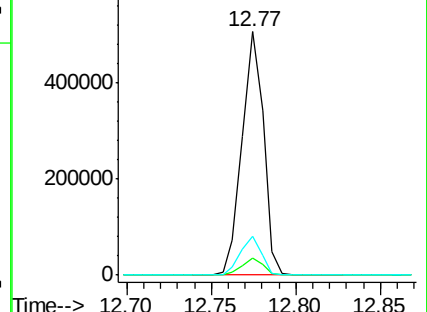
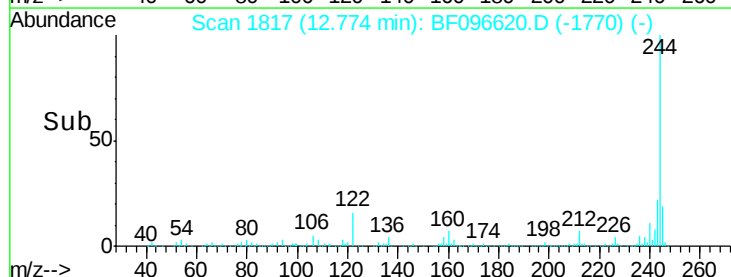
122 15.8 10.3 15.5#

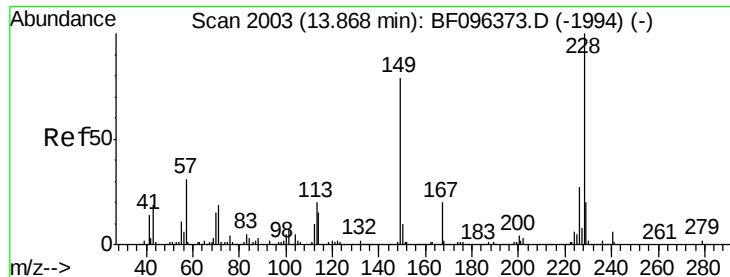


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

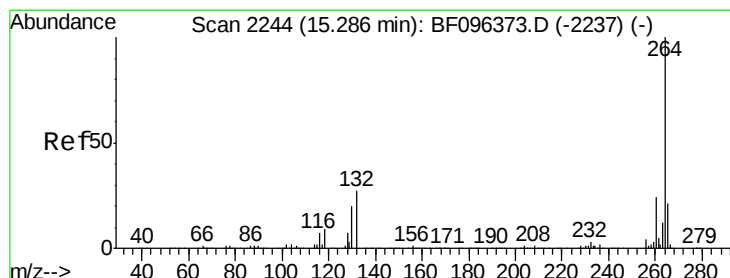
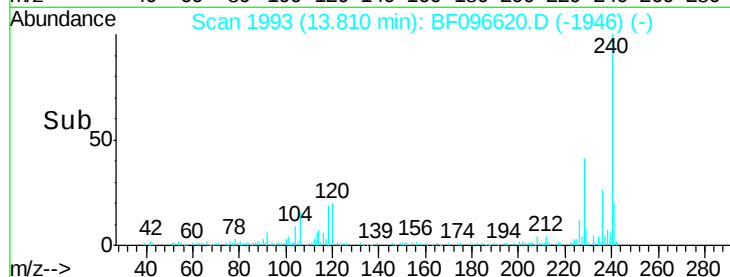
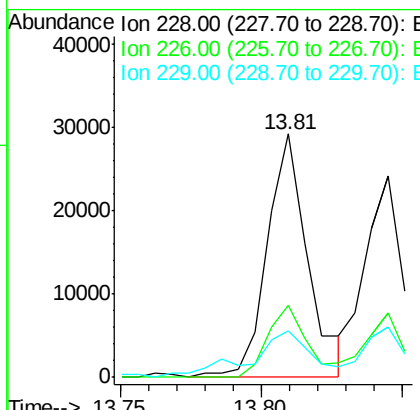
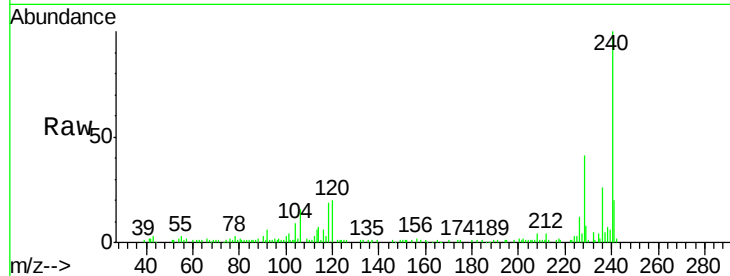




#80
Benzo(a)anthracene
Concen: 2.03 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF096620.D
Acq: 11 Jul 2017 00:06

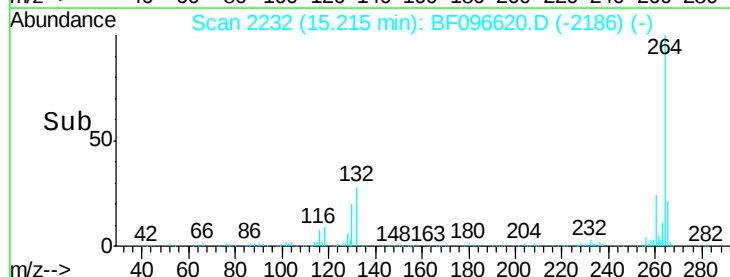
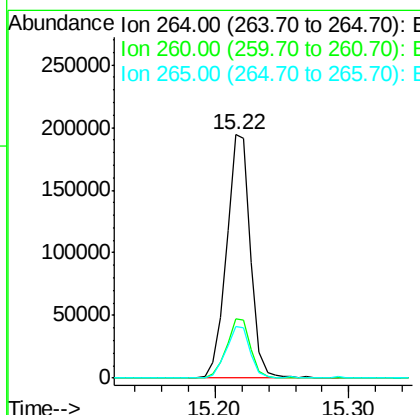
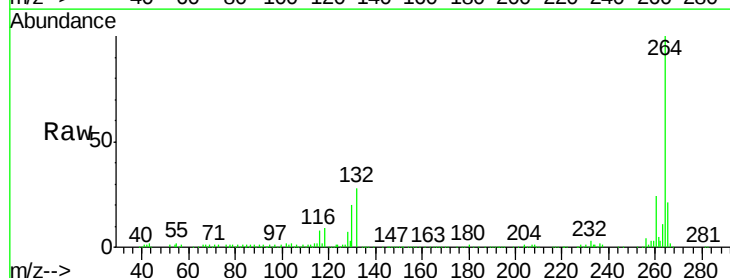
Instrument :
BNA_F
ClientSampleId :

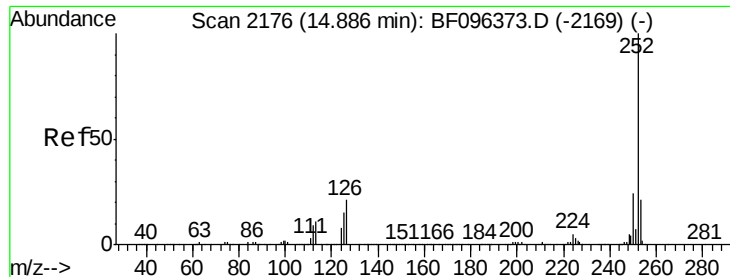
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	18.9	16.3	24.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.03 min
Lab File: BF096620.D
Acq: 11 Jul 2017 00:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 2.55 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.03 min

Lab File: BF096620.D

Acq: 11 Jul 2017 00:06

Instrument :

BNA_F

ClientSampleId :

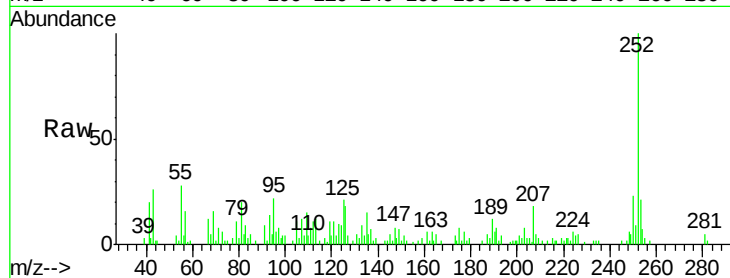
Tot Ion:252 Resp: 39083

Ion Ratio Lower Upper

252 100

253 21.1 18.1 27.1

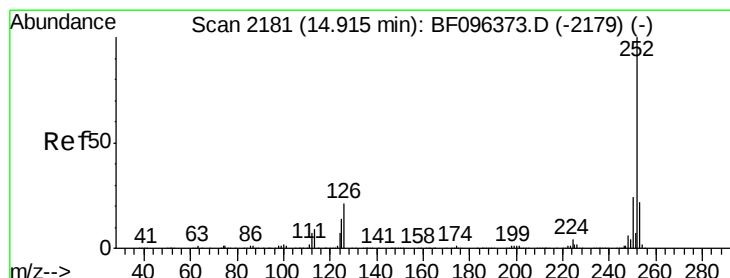
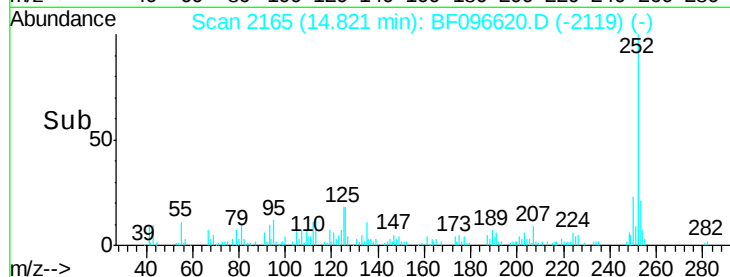
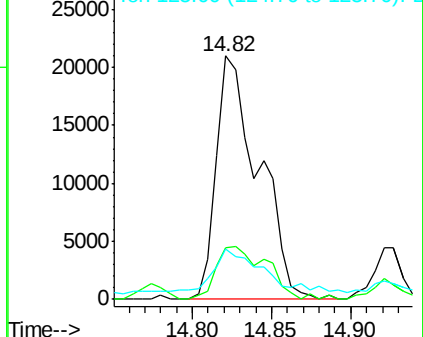
125 20.8 9.8 14.8#



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: 2.85 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.06 min

Lab File: BF096620.D

Acq: 11 Jul 2017 00:06

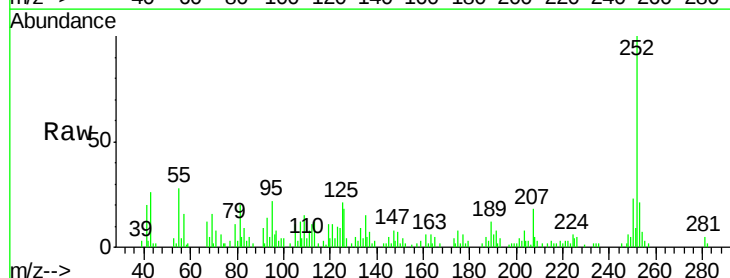
Tgt Ion:252 Resp: 39083

Ion Ratio Lower Upper

252 100

253 21.1 18.4 27.6

125 20.8 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

