

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096801.D
 Acq On : 15 Jul 2017 5:02
 Operator : SJ/JU
 Sample : I4163-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 15 05:27:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	103133	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	388728	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	162277	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	250372	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	205956	20.00	ng	-0.01
86) Perylene-d12	15.15	264	142839	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	613193	89.40	ng	0.00
7) Phenol-d6	6.27	99	636437	77.32	ng	0.00
23) Nitrobenzene-d5	7.19	82	364412	58.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	105162	75.92	ng	-0.02
44) 2-Fluorobiphenyl	8.99	172	600699	58.48	ng	-0.01
78) Terphenyl-d14	12.72	244	413534	34.82	ng	-0.01

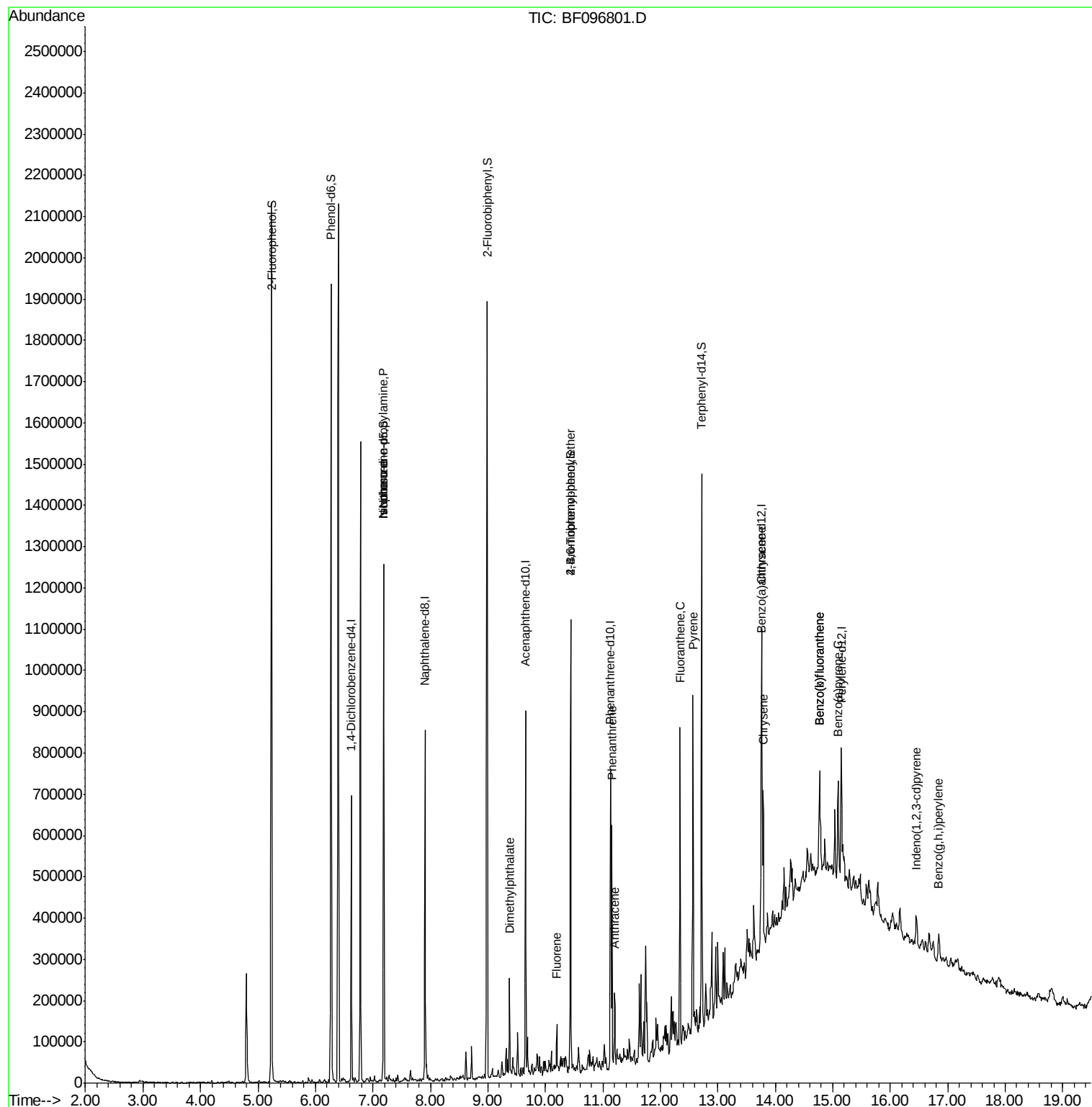
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.19	70	48757	9.83	ng	# 86
25) Isophorone	7.19	82	358328	30.69	ng	# 67
49) Dimethylphthalate	9.38	163	88876	7.27	ng	98
57) Fluorene	10.20	166	23299	2.33	ng	# 90
66) 4-Bromophenyl-phenylether	10.44	248	6670	2.61	ng	# 1
70) Phenanthrene	11.16	178	202893	14.90	ng	98
71) Anthracene	11.20	178	63582	4.62	ng	98
74) Fluoranthene	12.34	202	305086	23.41	ng	99
77) Pyrene	12.57	202	332100	17.77	ng	99
80) Benzo(a)anthracene	13.75	228	148904	11.60	ng	95
82) Chrysene	13.79	228	148728	11.77	ng	96
85) Indeno(1,2,3-cd)pyrene	16.45	276	44884	7.01	ng	96
87) Benzo(b)fluoranthene	14.77	252	171737	19.94	ng	# 94
88) Benzo(k)fluoranthene	14.77	252	171737	21.05	ng	98
89) Benzo(a)pyrene	15.09	252	95791	12.12	ng	96
91) Benzo(g,h,i)perylene	16.84	276	45743	5.88	ng	92

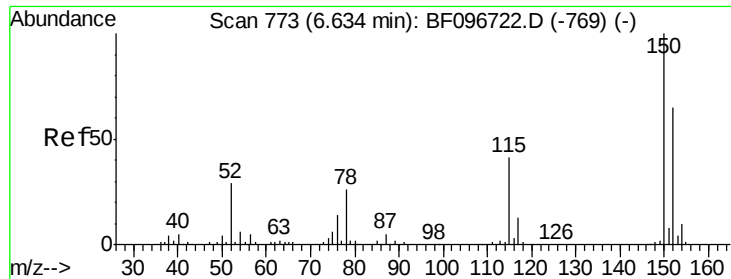
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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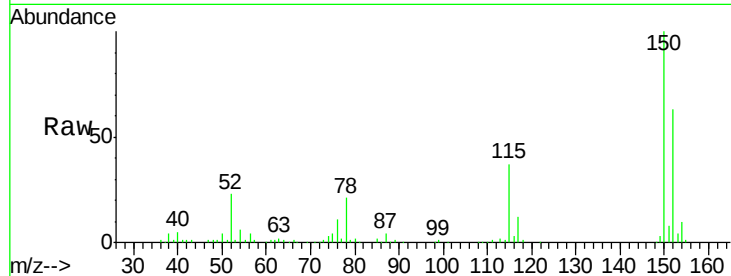


#1

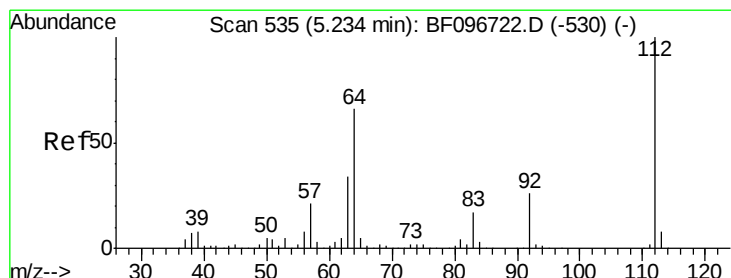
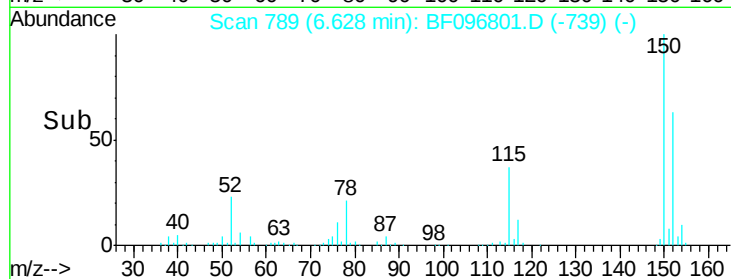
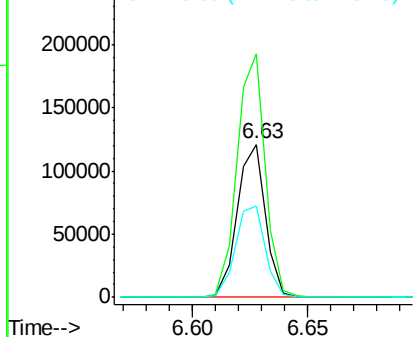
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.63 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103133
Ion Ratio Lower Upper
152 100
150 159.1 126.2 189.2
115 59.4 52.2 78.2



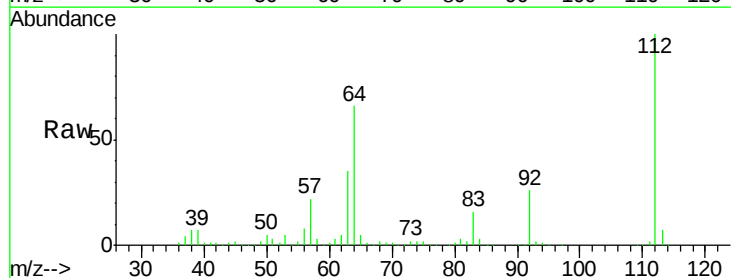
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



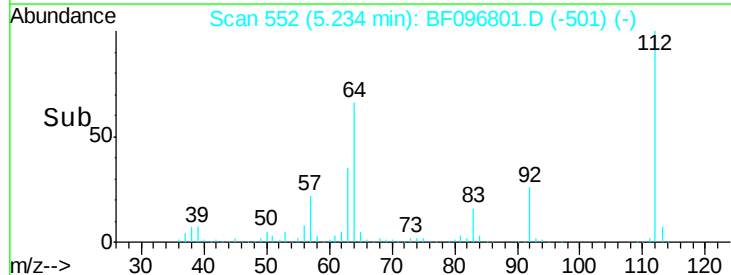
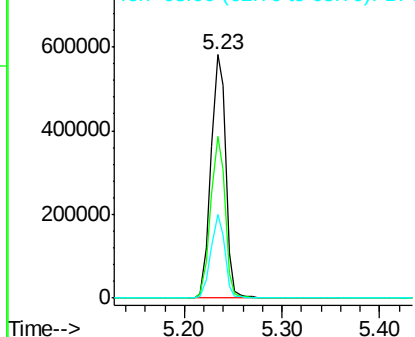
#5

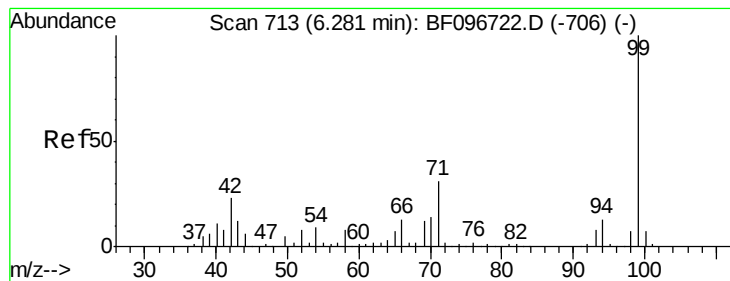
2-Fluorophenol
Concen: 89.40 ng
RT: 5.23 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Tgt Ion:112 Resp: 613193
Ion Ratio Lower Upper
112 100
64 66.5 46.0 69.0
63 34.5 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: 77.32 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

ClientSampleId :

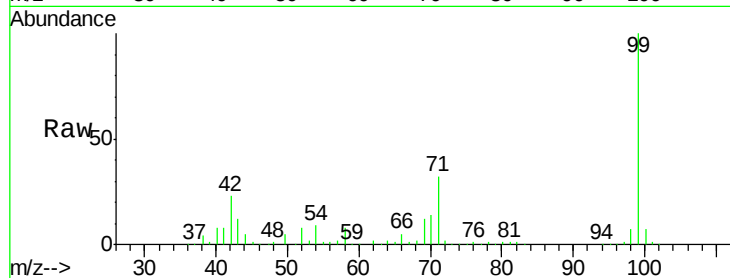
Tot Ion: 99 Resp: 636437

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

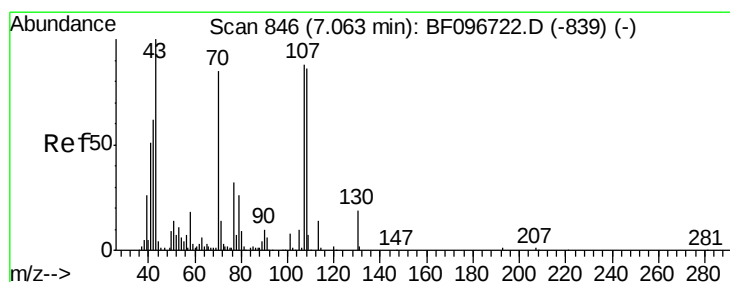
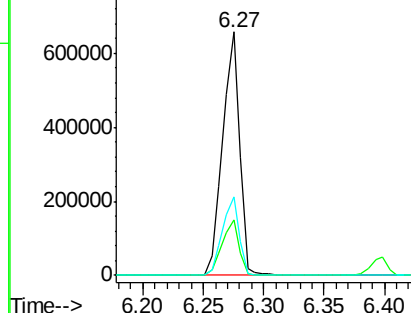
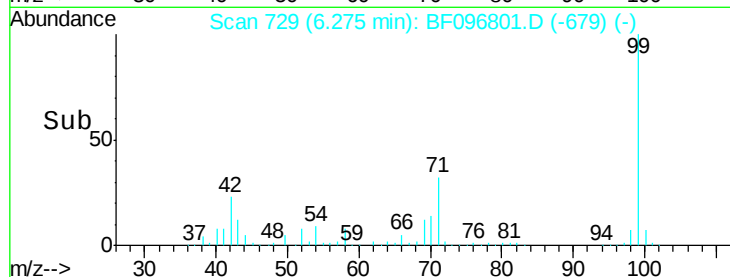
71 32.2 24.5 36.7



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: 9.83 ng

RT: 7.19 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Tgt Ion: 70 Resp: 48757

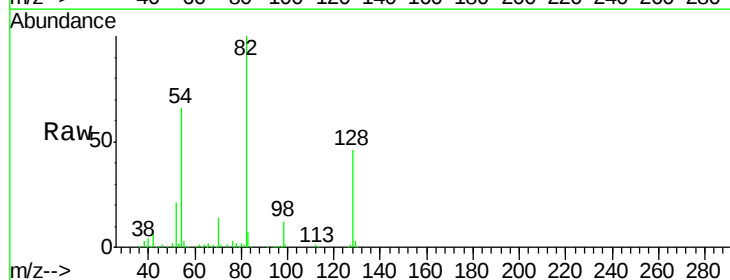
Ion Ratio Lower Upper

70 100

42 55.9 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

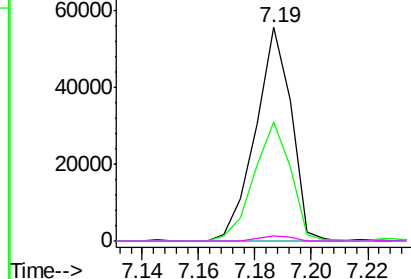
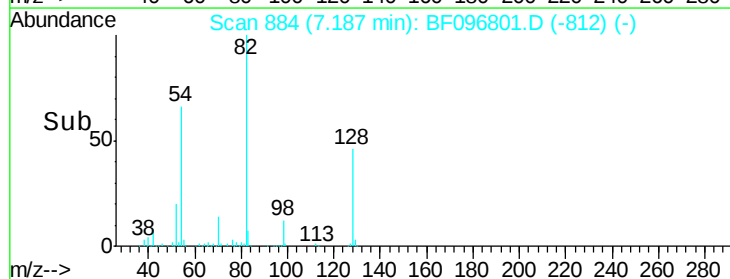


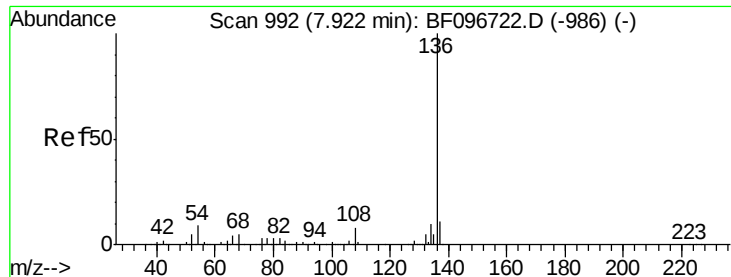
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

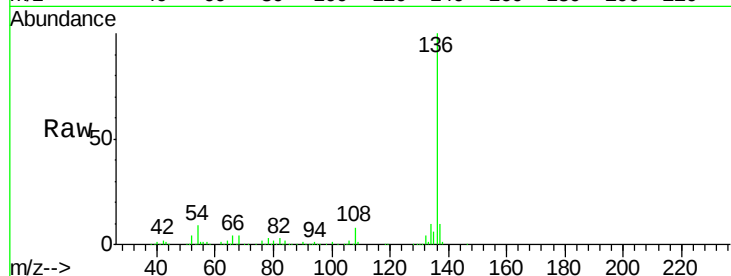




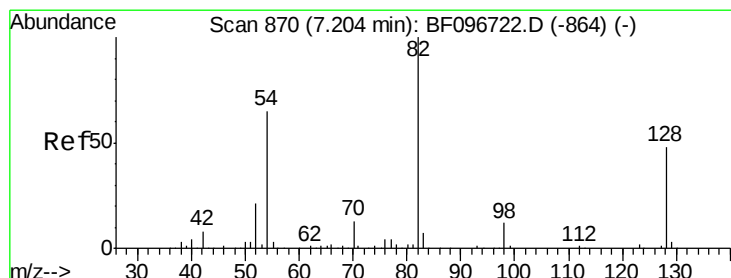
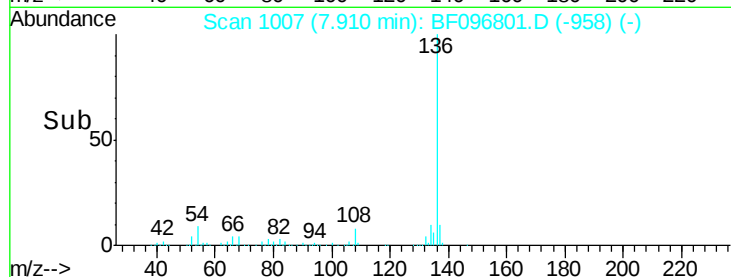
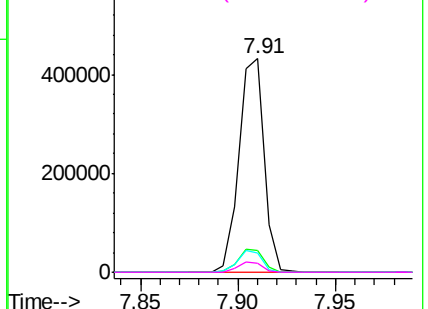
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	388728
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.5 12.7
54	8.9	4.9 7.3#
68	4.1	4.1 6.1#

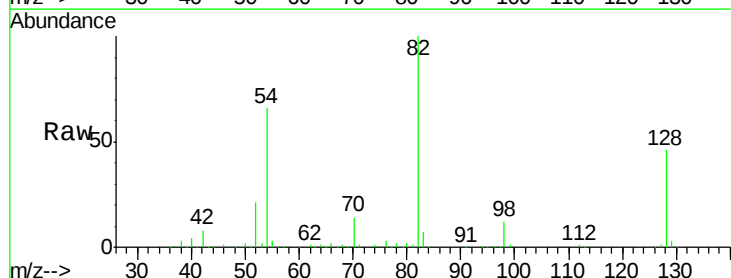


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

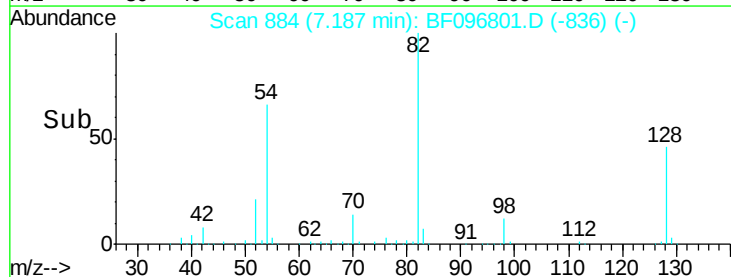
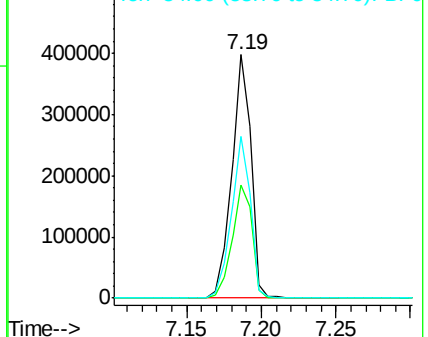


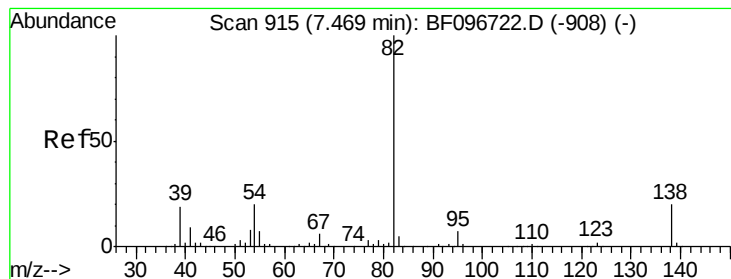
#23
Nitrobenzene-d5
Concen: 58.07 ng
RT: 7.19 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Tgt Ion: 82	Resp:	364412
Ion Ratio	Lower	Upper
82	100	
128	46.4	34.0 51.0
54	66.4	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: 30.69 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

ClientSampled :

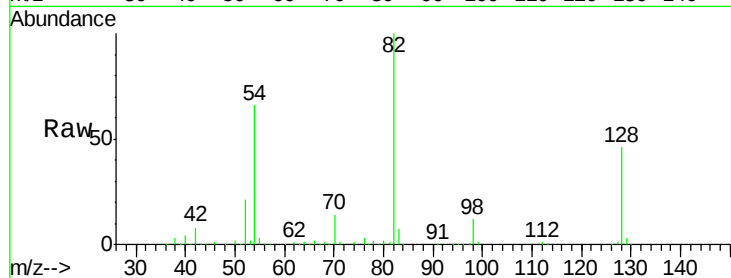
Tot Ion: 82 Resp: 358328

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

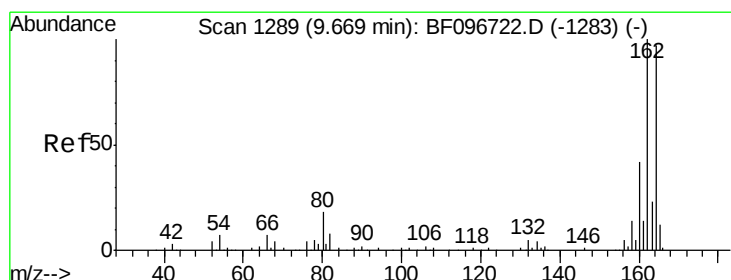
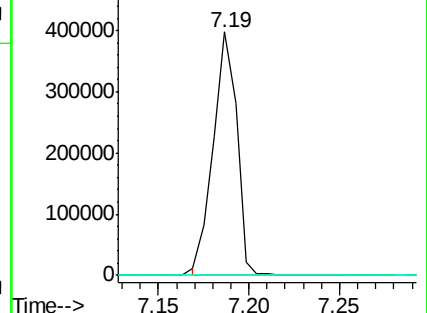
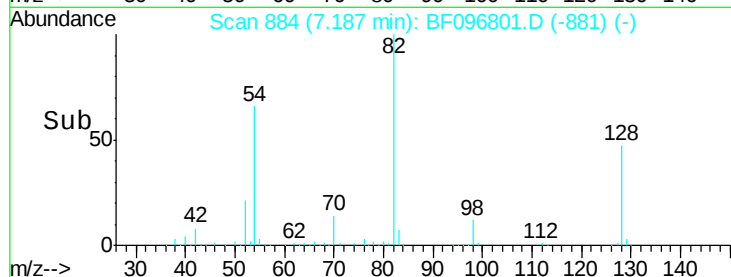
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

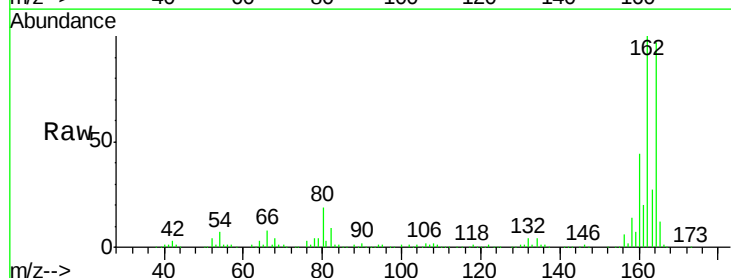
Tgt Ion:164 Resp: 162277

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

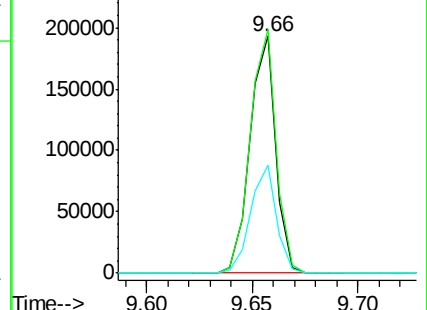
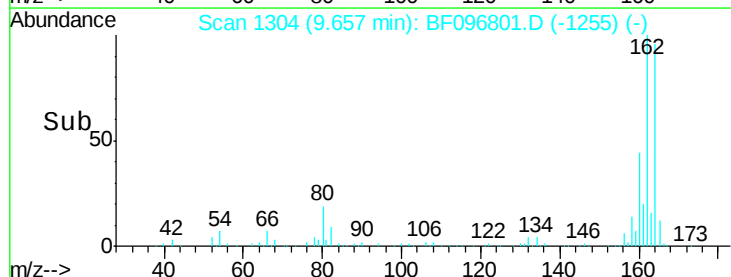
160 45.6 36.2 54.2

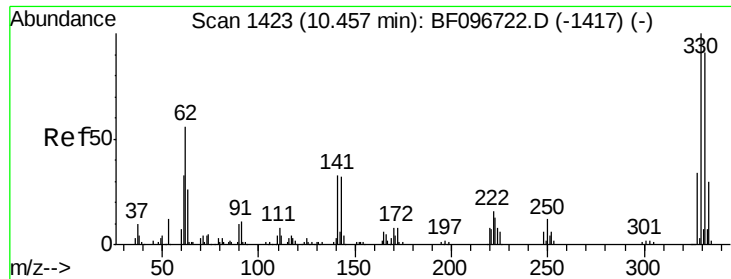


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 75.92 ng

RT: 10.44 min Scan# 1437

Delta R.T. -0.02 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

ClientSampleId :

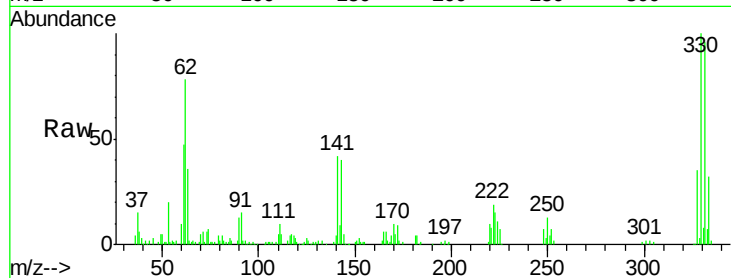
Tot Ion:330 Resp: 105162

Ion Ratio Lower Upper

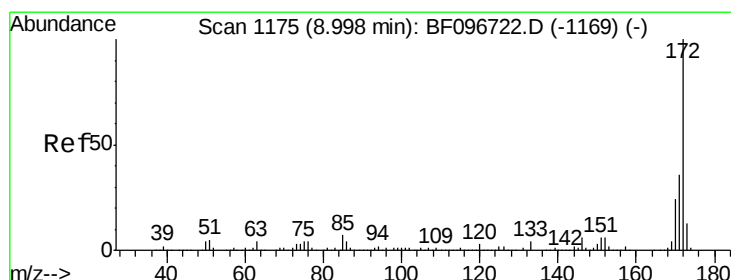
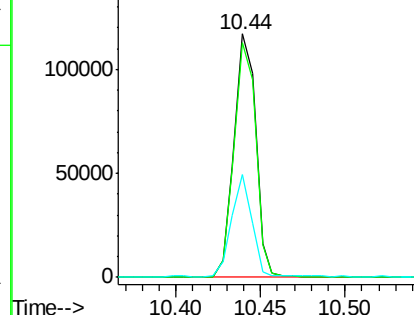
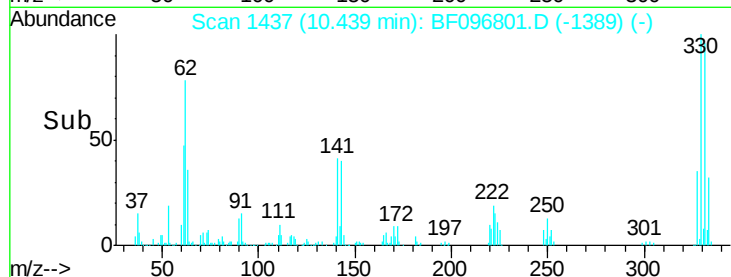
330 100

332 96.8 76.6 115.0

141 40.5 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: 58.48 ng

RT: 8.99 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

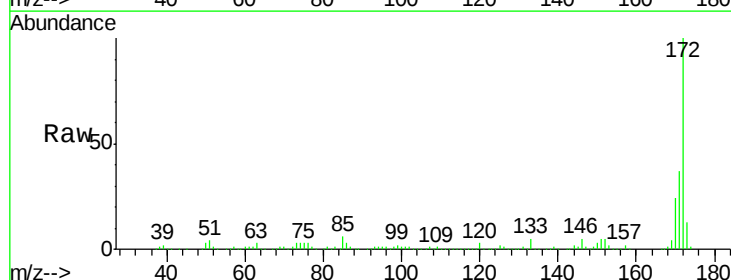
Tgt Ion:172 Resp: 600699

Ion Ratio Lower Upper

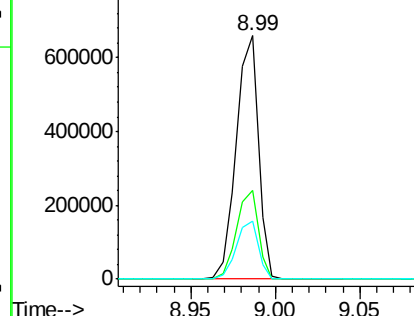
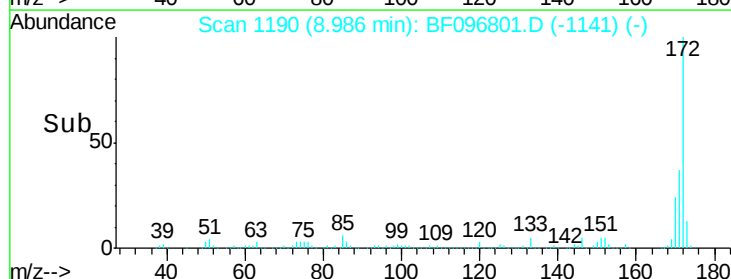
172 100

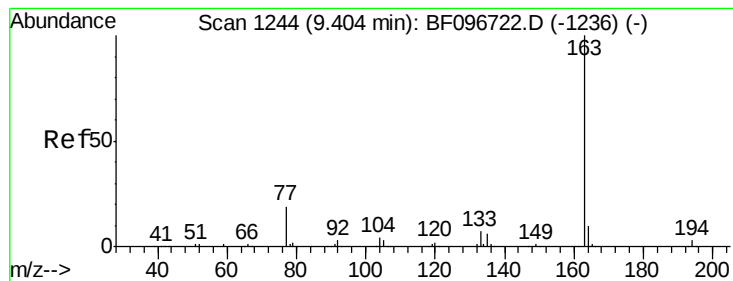
171 36.6 29.6 44.4

170 24.0 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: 7.27 ng

RT: 9.38 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

ClientSampleId :

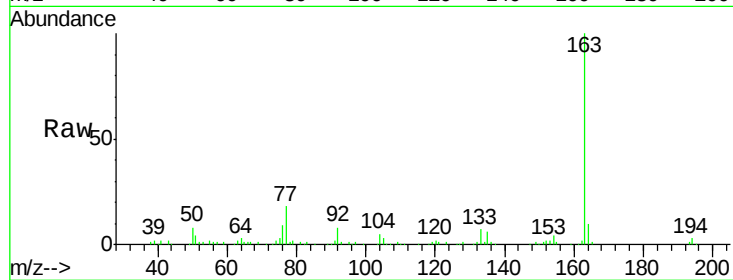
Tot Ion:163 Resp: 88876

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

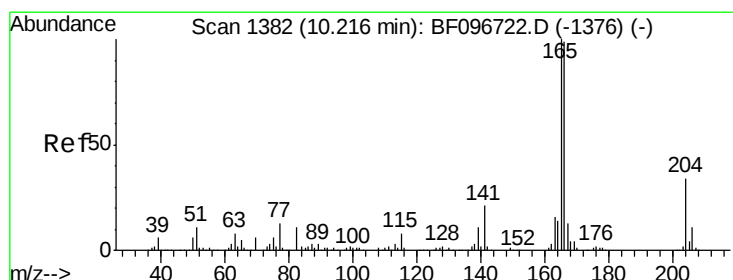
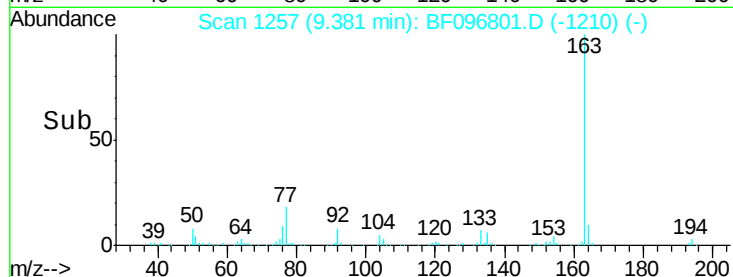
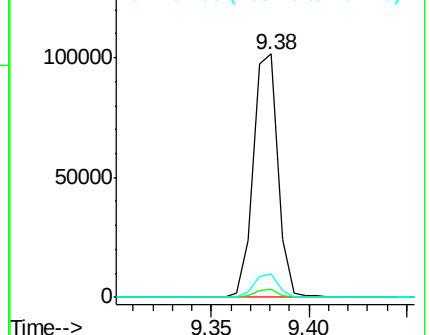
164 9.7 8.4 12.6



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



#57

Fluorene

Concen: 2.33 ng

RT: 10.20 min Scan# 1396

Delta R.T. -0.02 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

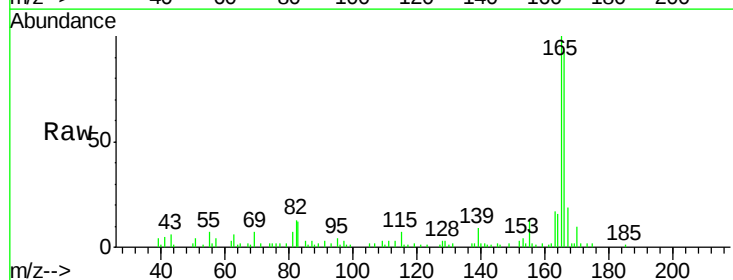
Tgt Ion:166 Resp: 23299

Ion Ratio Lower Upper

166 100

165 107.3 78.8 118.2

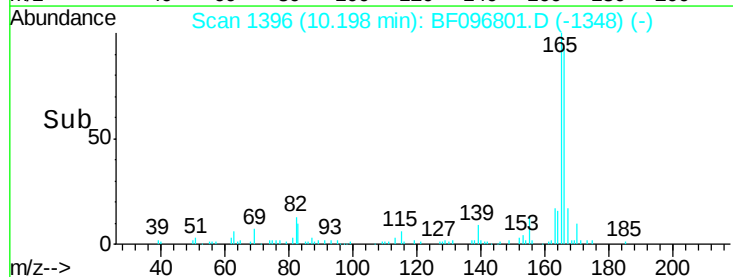
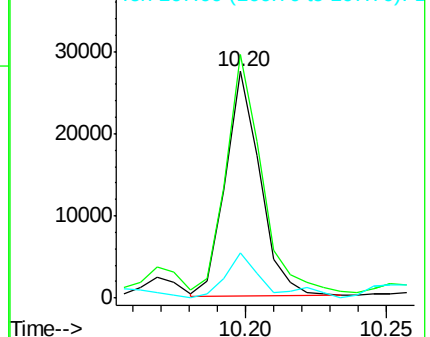
167 19.9 10.6 16.0#

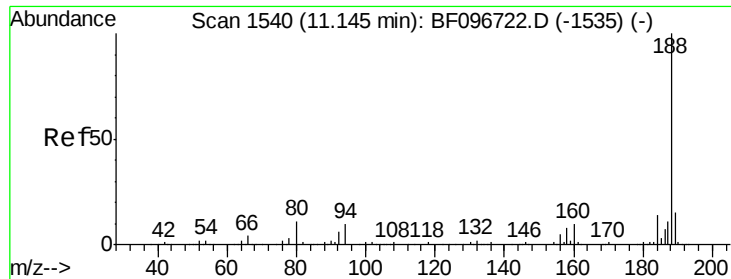


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

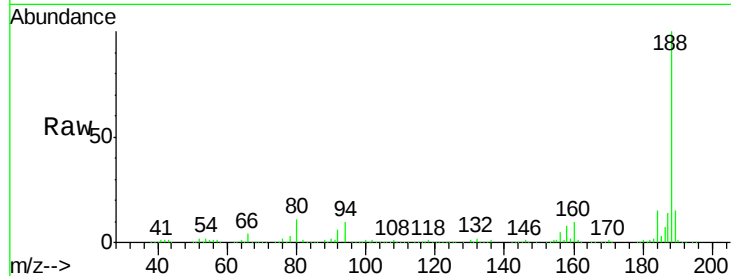




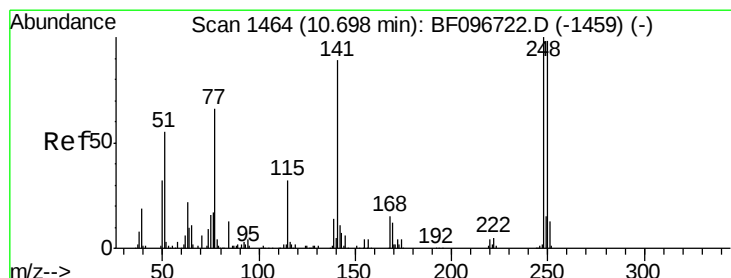
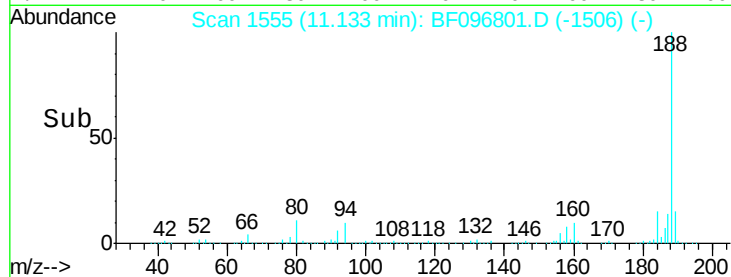
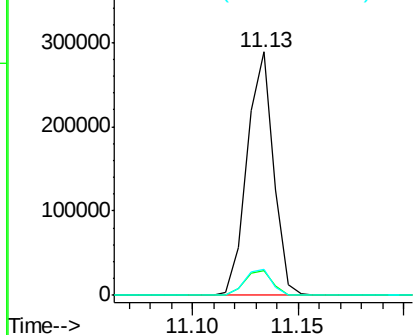
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 250372
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 10.7 10.2 15.2

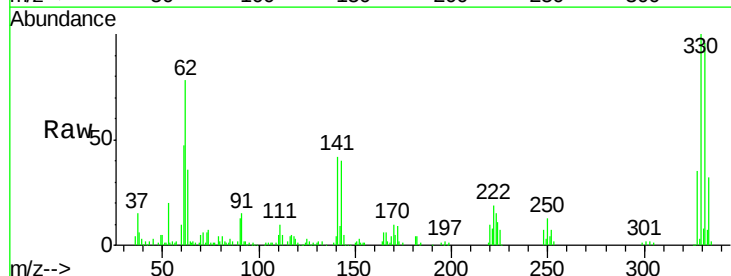


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

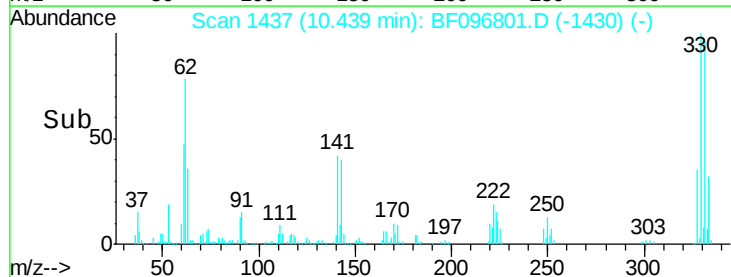
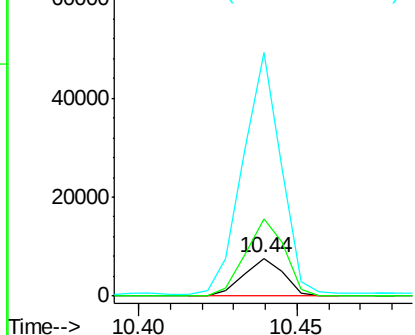


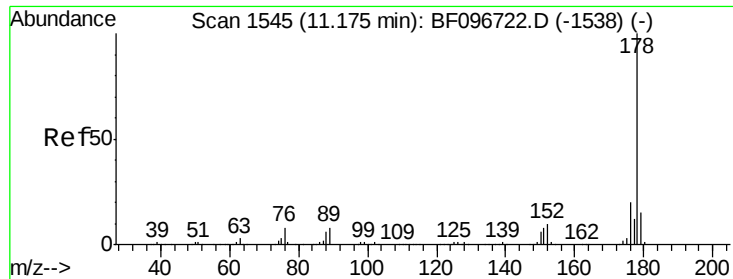
#66
4-Bromophenyl-phenylether
Concen: 2.61 ng
RT: 10.44 min Scan# 1437
Delta R.T. -0.26 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Tgt Ion:248 Resp: 6670
Ion Ratio Lower Upper
248 100
250 202.1 76.8 115.2#
141 641.9 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: 14.90 ng

RT: 11.16 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

ClientSampleId :

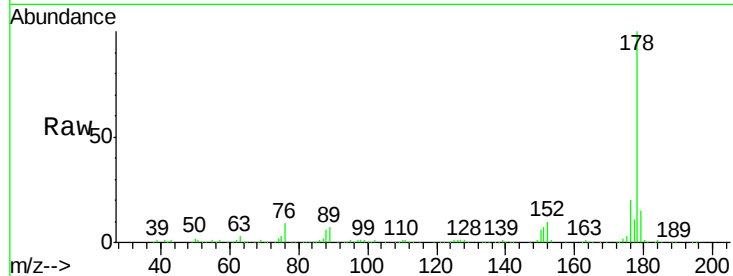
Tot Ion:178 Resp: 202893

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

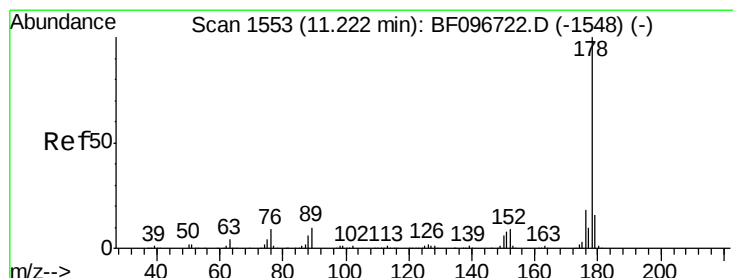
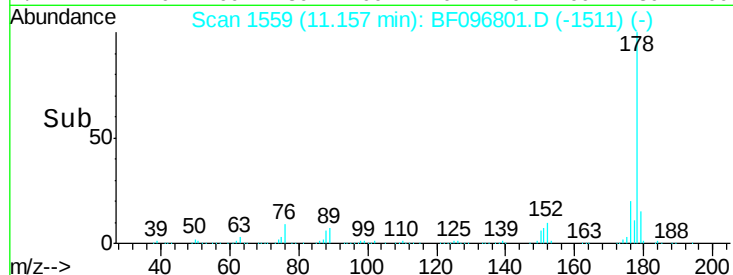
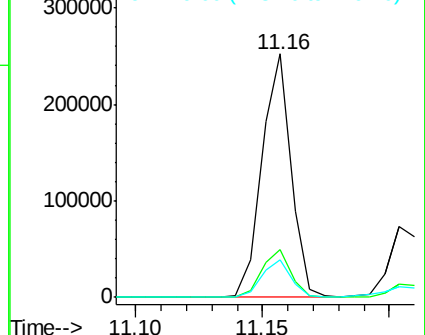
179 15.2 12.6 19.0



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: 4.62 ng

RT: 11.20 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

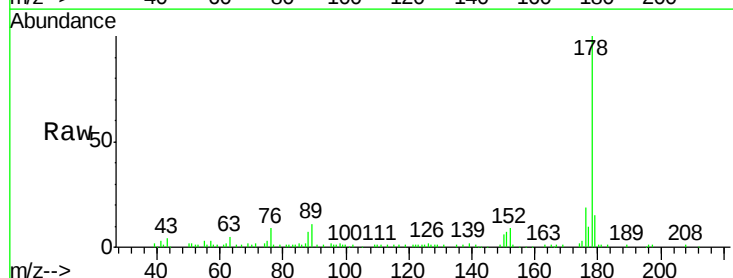
Tgt Ion:178 Resp: 63582

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

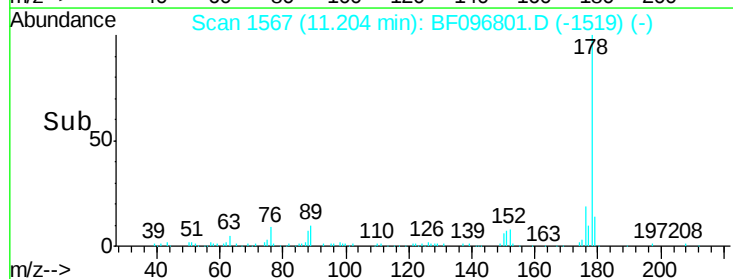
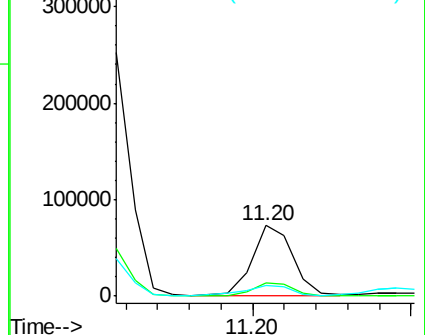
179 14.6 12.7 19.1

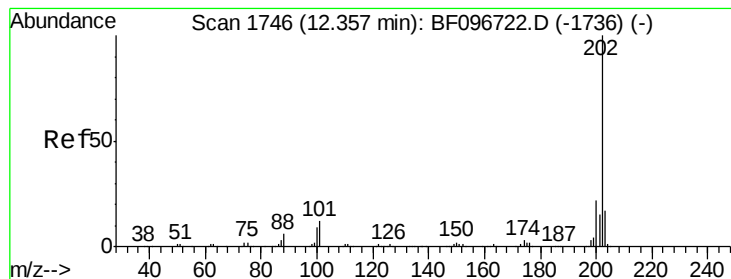


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 23.41 ng

RT: 12.34 min Scan# 1760

Delta R.T. -0.02 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

ClientSampled :

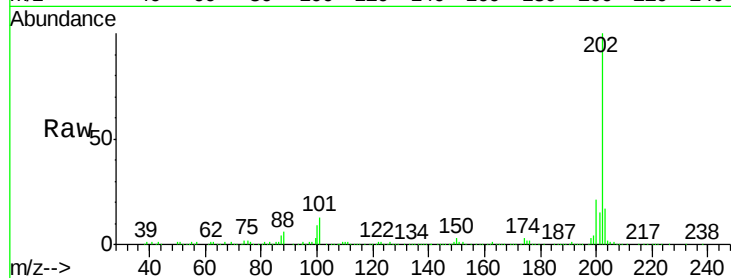
Tot Ion:202 Resp: 305086

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

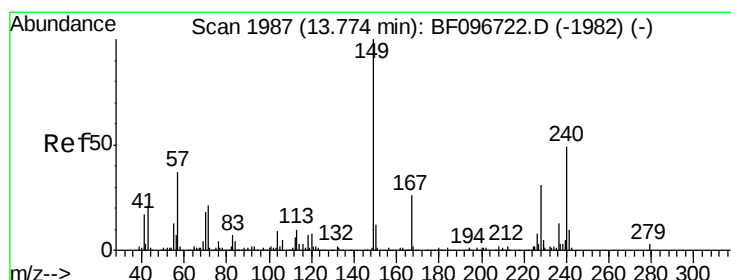
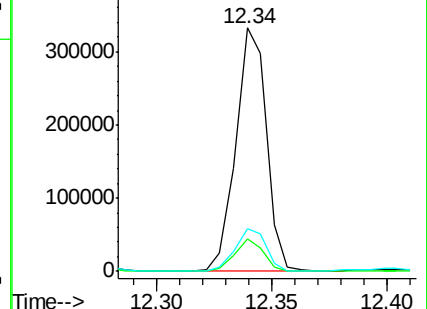
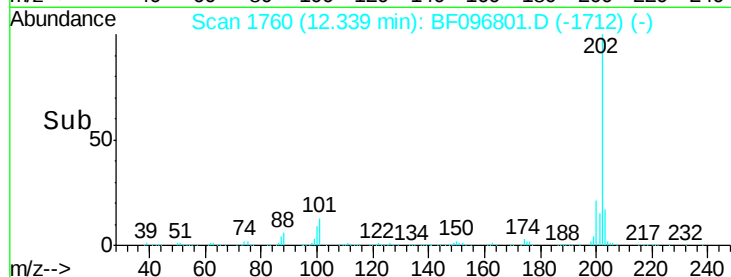
203 17.3 0.0 38.1



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: 13.76 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

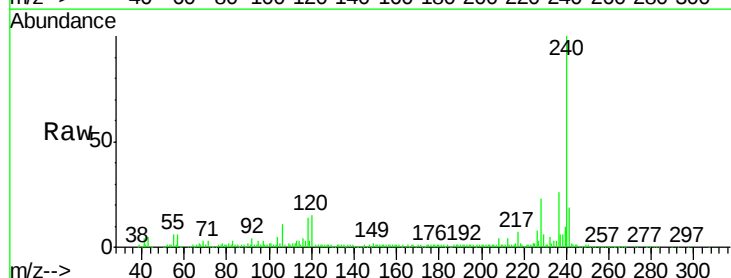
Tgt Ion:240 Resp: 205956

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

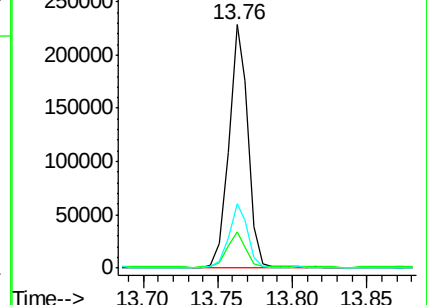
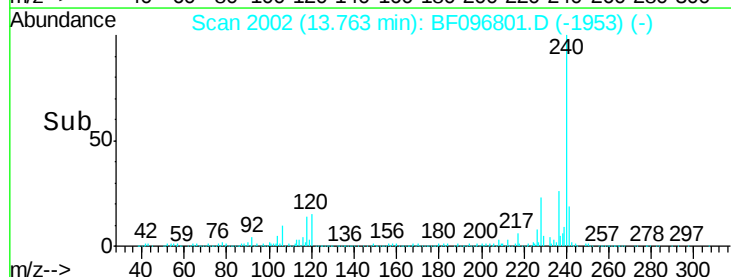
236 26.4 20.5 30.7

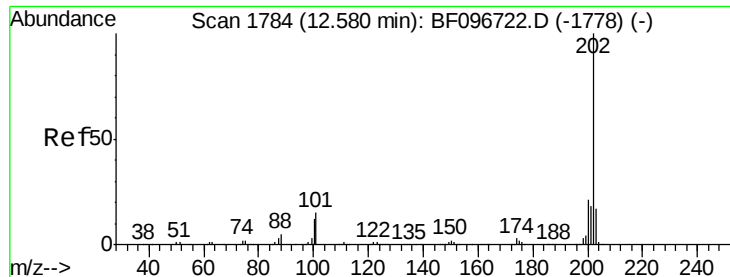


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 17.77 ng

RT: 12.57 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

ClientSampleId :

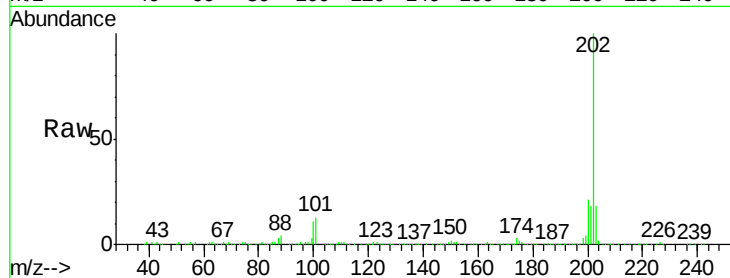
Tot Ion:202 Resp: 332100

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

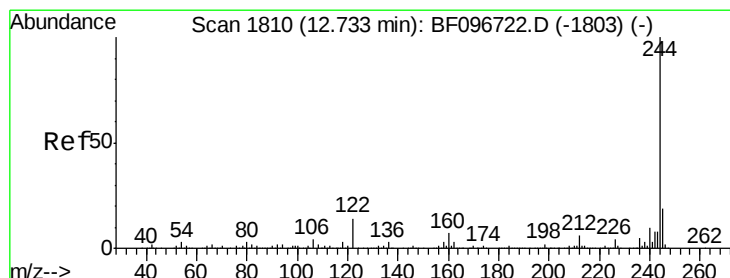
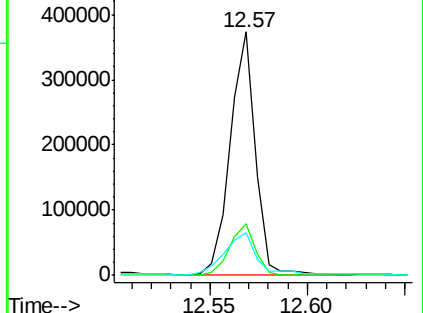
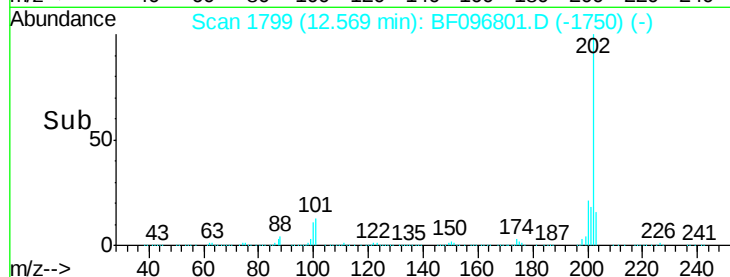
203 17.7 14.4 21.6



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: 34.82 ng

RT: 12.72 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

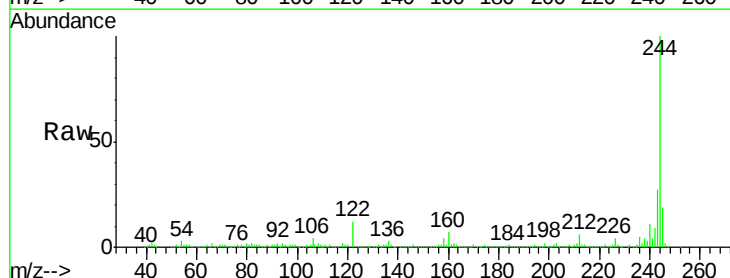
Tgt Ion:244 Resp: 413534

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

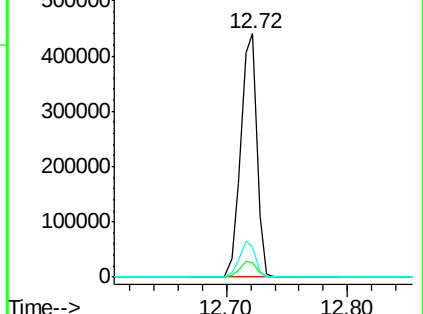
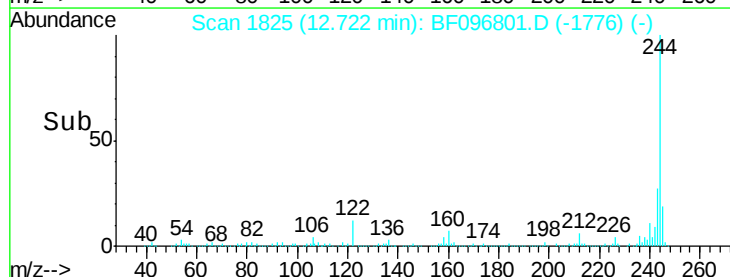
122 12.3 10.3 15.5

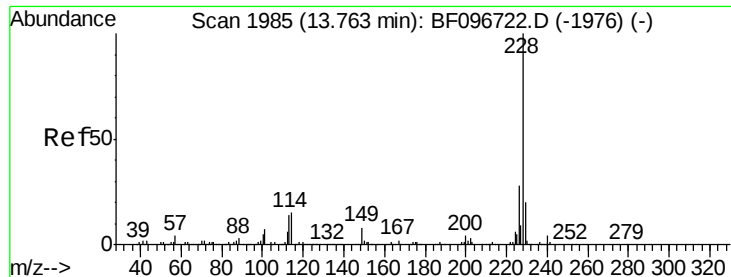


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

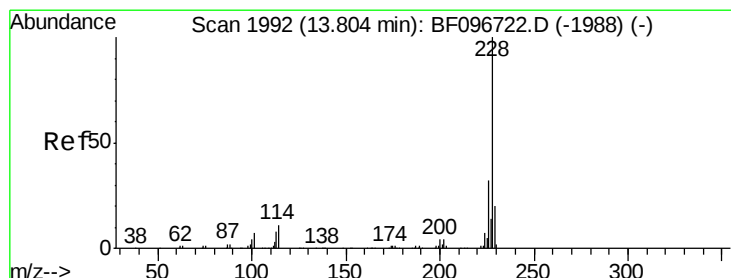
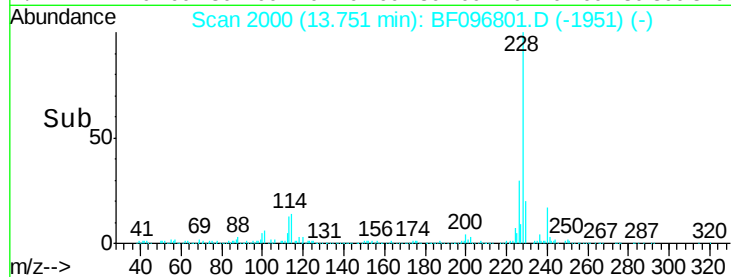
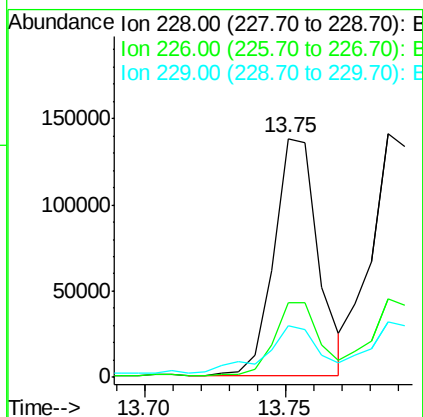
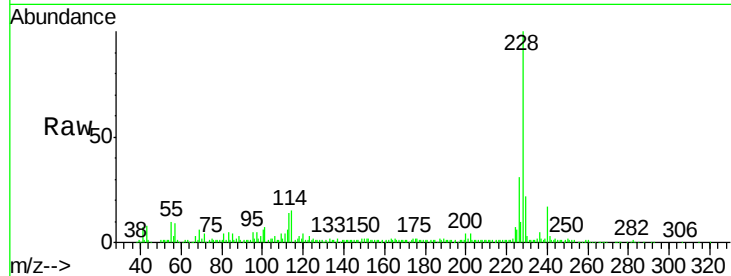




#80
Benzo(a)anthracene
Concen: 11.60 ng
RT: 13.75 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

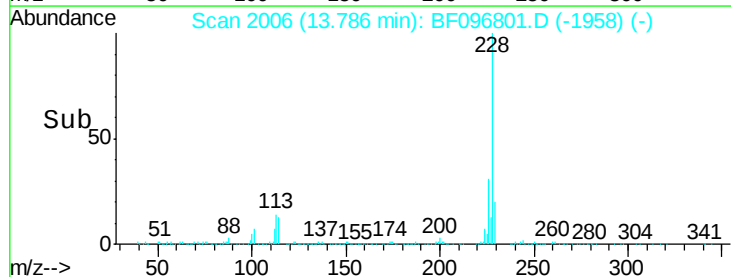
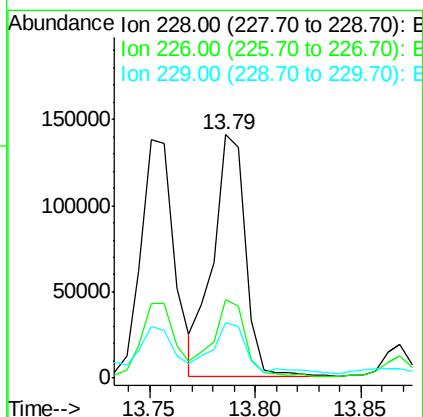
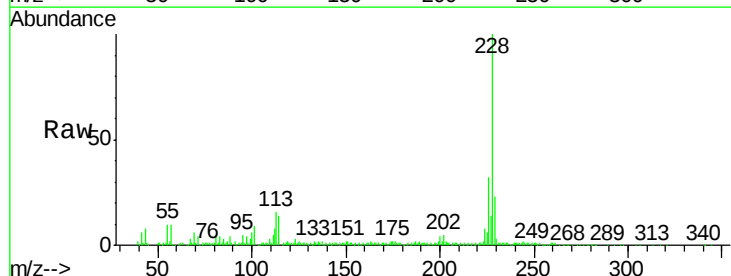
Instrument :
BNA_F
ClientSampleId :

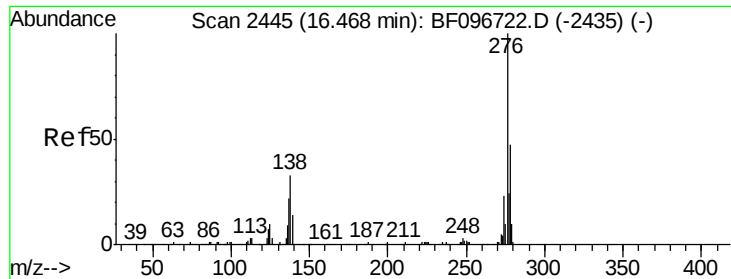
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.6	33.8
229	21.8	16.3	24.5



#82
Chrysene
Concen: 11.77 ng
RT: 13.79 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.9	37.3
229	22.9	15.8	23.6

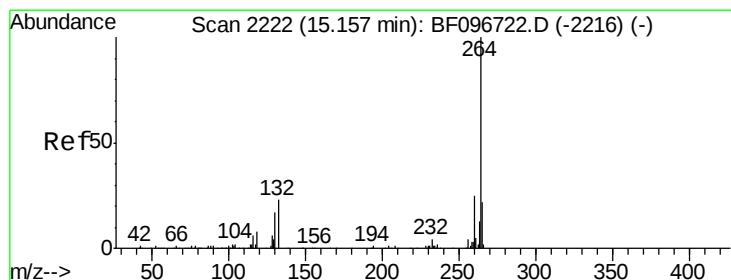
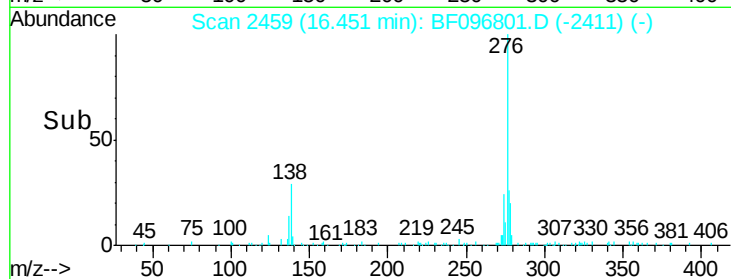
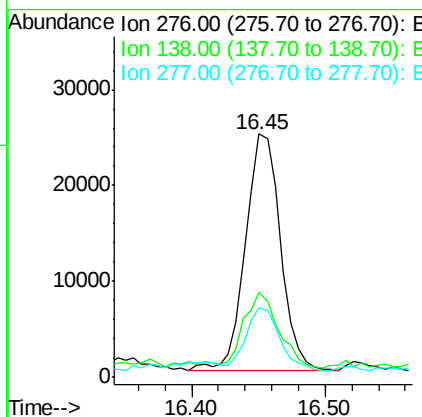
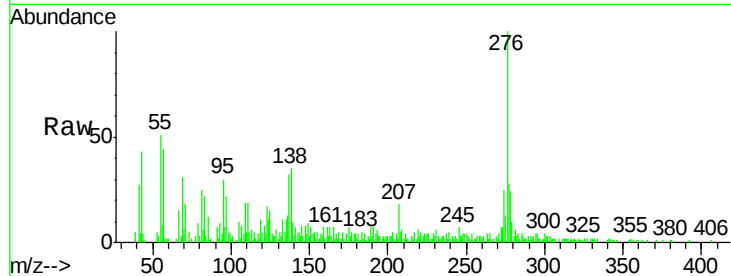




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.01 ng
 RT: 16.45 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BF096801.D
 Acq: 15 Jul 2017 5:02

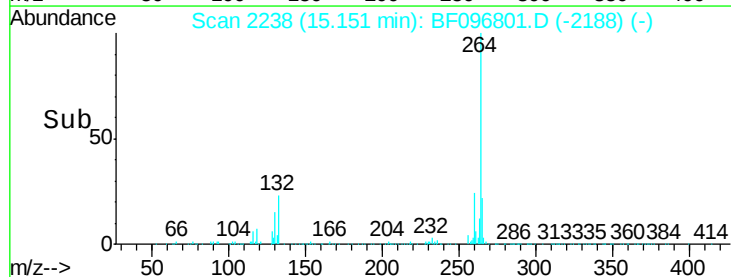
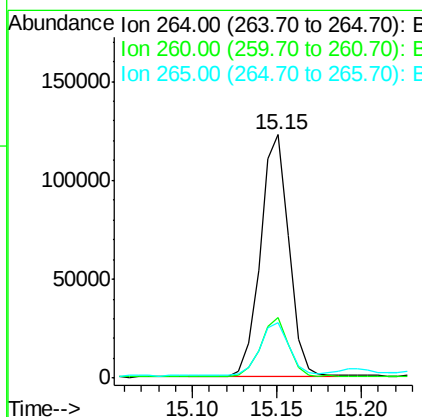
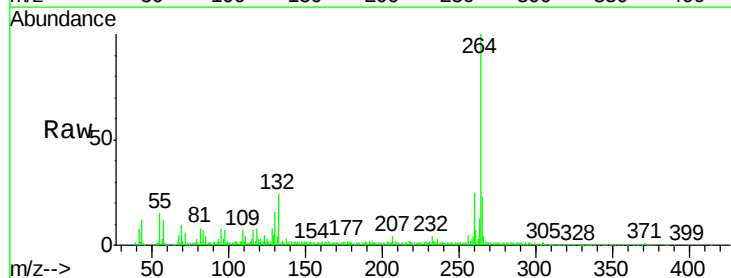
Instrument :
 BNA_F
 ClientSampleId :

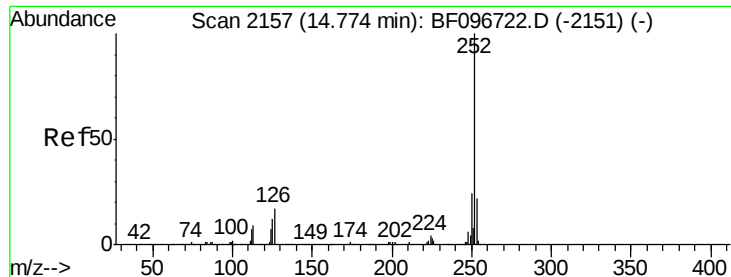
Tot Ion:276 Resp: 44884
 Ion Ratio Lower Upper
 276 100
 138 31.3 27.8 41.6
 277 26.2 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BF096801.D
 Acq: 15 Jul 2017 5:02

Tgt Ion:264 Resp: 142839
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 22.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 19.94 ng

RT: 14.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF096801.D

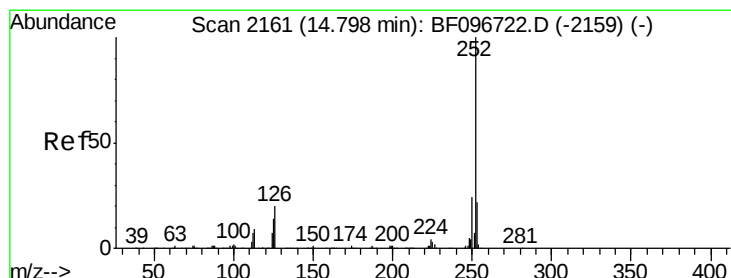
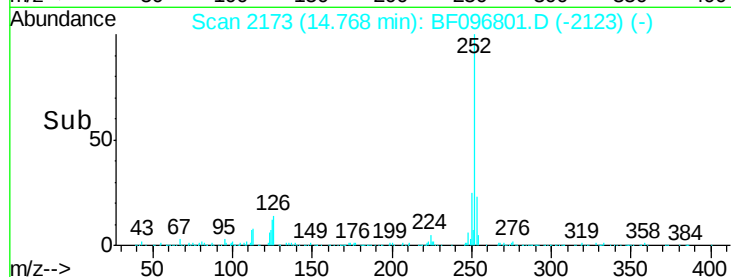
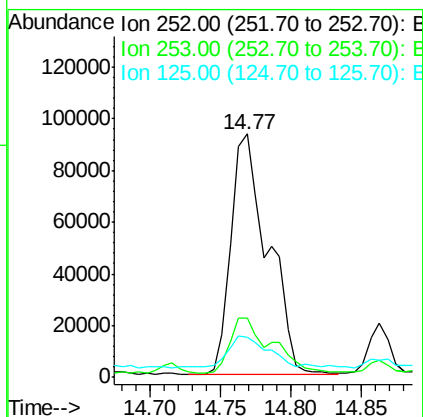
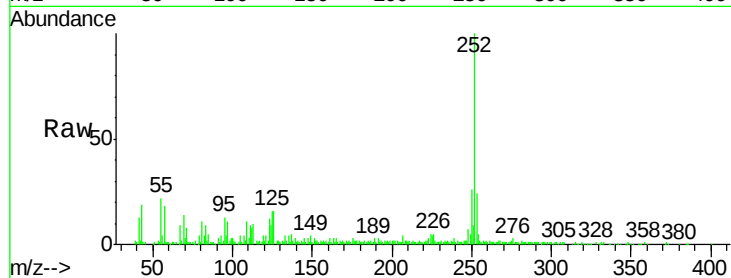
Acq: 15 Jul 2017 5:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	171737
Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	16.5	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 21.05 ng

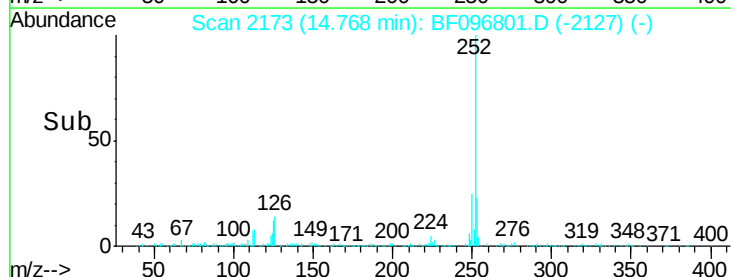
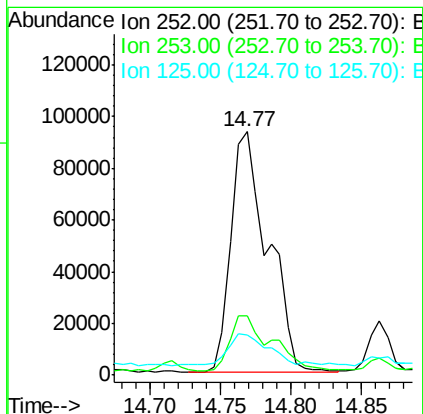
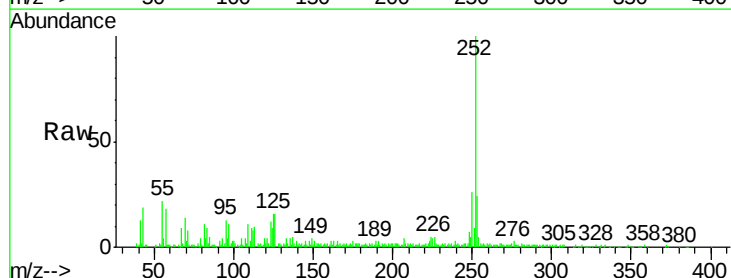
RT: 14.77 min Scan# 2173

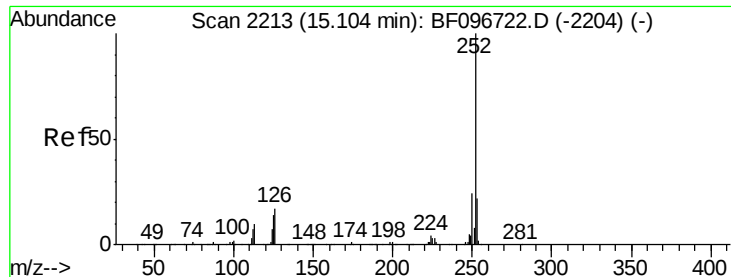
Delta R.T. -0.03 min

Lab File: BF096801.D

Acq: 15 Jul 2017 5:02

Tgt Ion:	252	Resp:	171737
Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.4	27.6
125	16.5	13.1	19.7

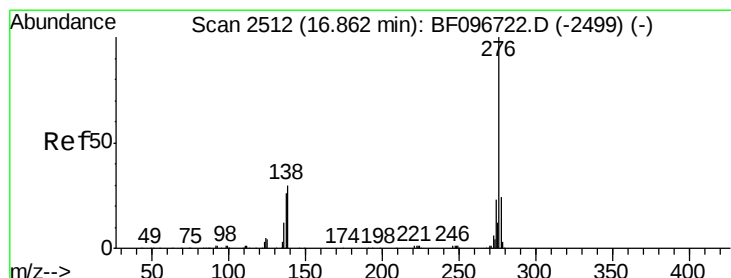
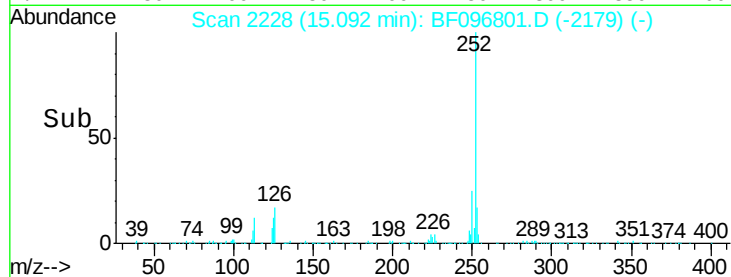
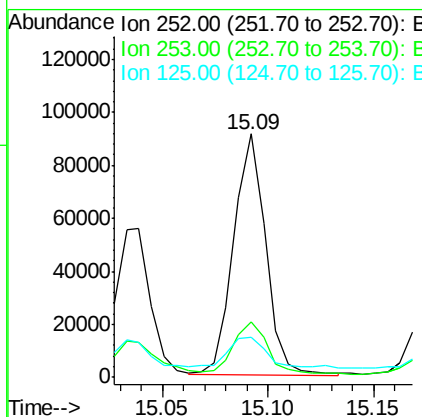
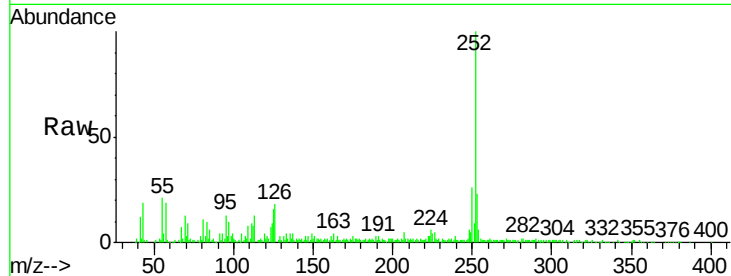




#89
Benzo(a)pyrene
Concen: 12.12 ng
RT: 15.09 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	16.4	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 5.88 ng
RT: 16.84 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF096801.D
Acq: 15 Jul 2017 5:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.6	28.0
138	37.1	25.4	38.0

