

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096854.D
 Acq On : 18 Jul 2017 18:41
 Operator : SJ/JU
 Sample : I4245-04 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

Quant Time: Jul 19 01:12:49 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

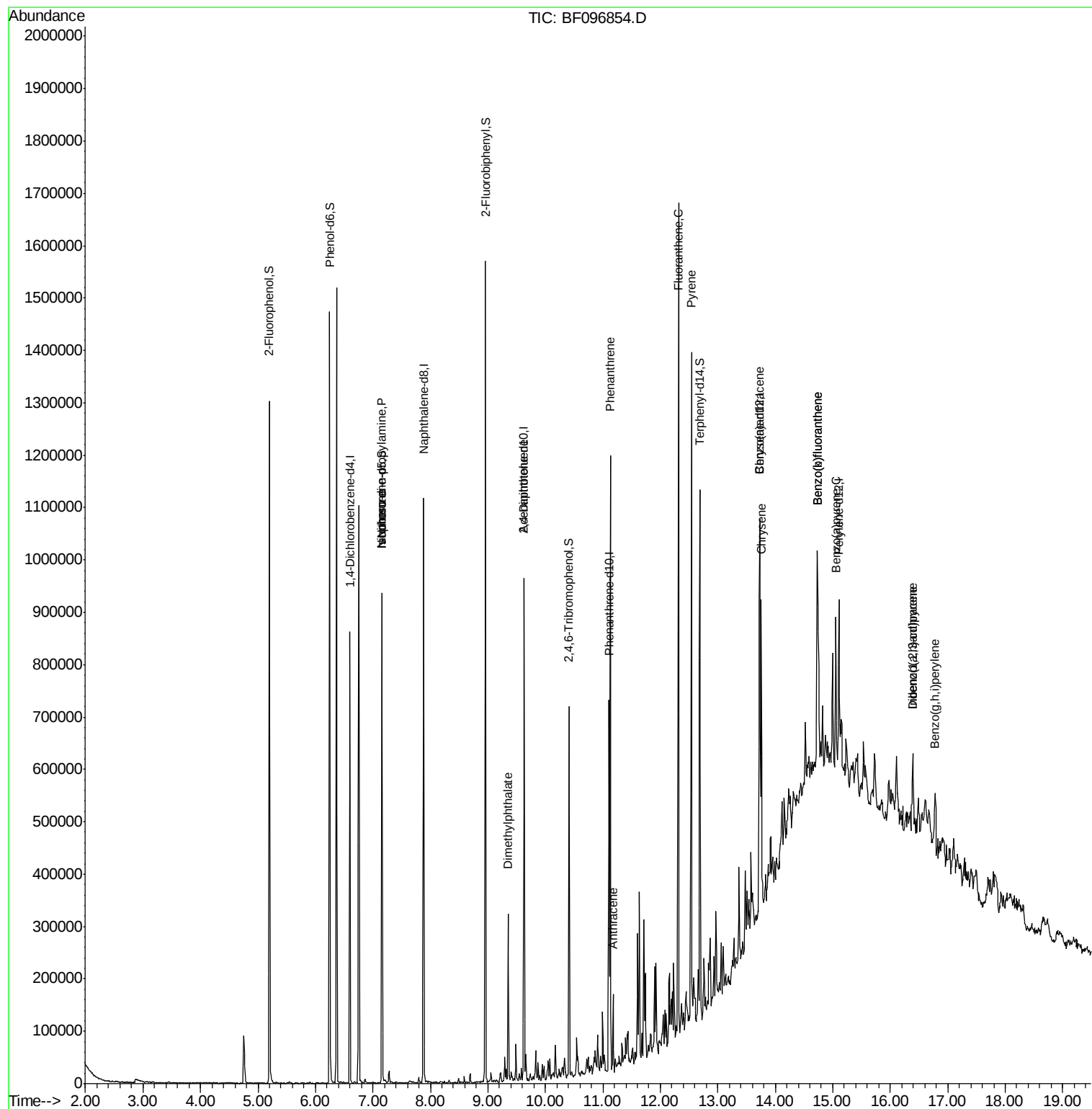
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	118555	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	464639	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	175969	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	244223	20.00	ng	0.00
75) Chrysene-d12	13.73	240	195147	20.00	ng	0.00
86) Perylene-d12	15.11	264	144944	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	349725	44.35	ng	0.00
7) Phenol-d6	6.25	99	426624	45.09	ng	0.00
23) Nitrobenzene-d5	7.16	82	257473	34.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	70044	46.63	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	432998	38.88	ng	0.00
78) Terphenyl-d14	12.69	244	280977	24.97	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	32726	5.74	ng	# 85
25) Isophorone	7.16	82	257011	18.42	ng	# 67
49) Dimethylphthalate	9.35	163	115473	8.72	ng	98
56) 2,4-Dinitrotoluene	9.63	165	23128	6.27	ng	# 33
70) Phenanthrene	11.13	178	419441	31.59	ng	99
71) Anthracene	11.18	178	53931	4.02	ng	97
74) Fluoranthene	12.32	202	634816	49.94	ng	97
77) Pyrene	12.54	202	500008	28.23	ng	99
80) Benzo(a)anthracene	13.72	228	169709	13.96	ng	98
82) Chrysene	13.76	228	229439	19.17	ng	97
85) Indeno(1,2,3-cd)pyrene	16.40	276	72909	9.61	ng	95
87) Benzo(b)fluoranthene	14.73	252	275452	31.51	ng	# 94
88) Benzo(k)fluoranthene	14.73	252	275452	33.28	ng	98
89) Benzo(a)pyrene	15.05	252	119510	14.91	ng	# 92
90) Dibenzo(a,h)anthracene	16.40	278	19688	2.67	ng	# 69
91) Benzo(g,h,i)perylene	16.78	276	66484	8.42	ng	93

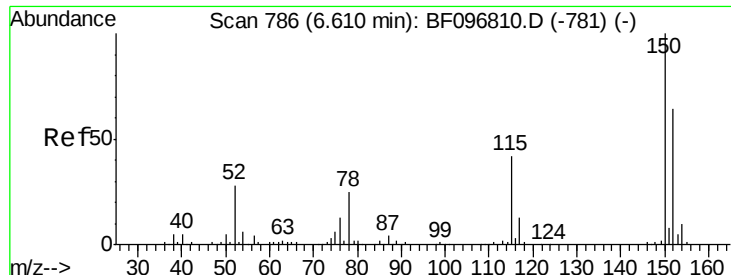
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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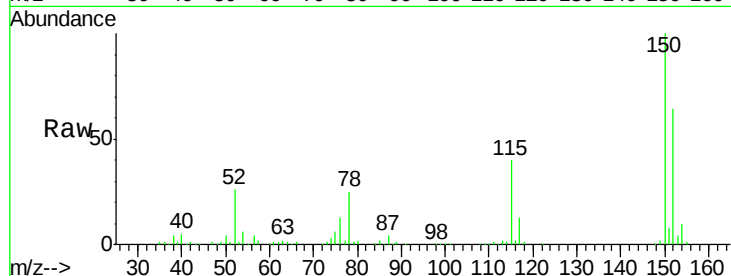




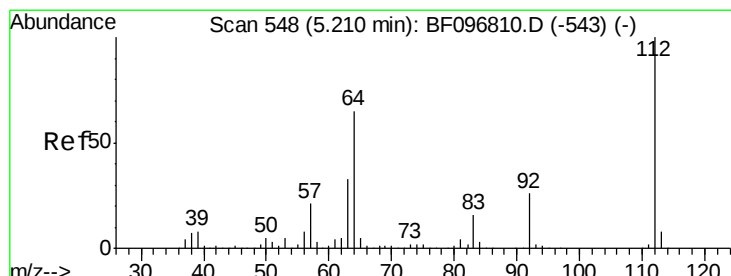
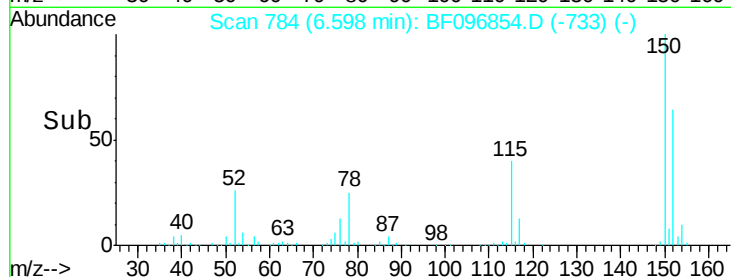
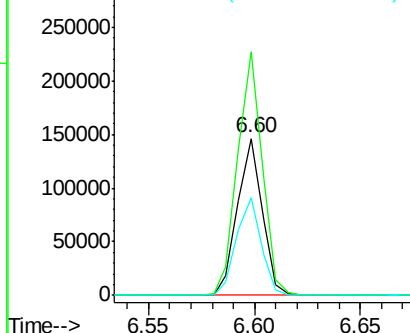
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

Tot Ion:152 Resp: 118555
 Ion Ratio Lower Upper
 152 100
 150 155.4 126.2 189.2
 115 62.5 52.2 78.2

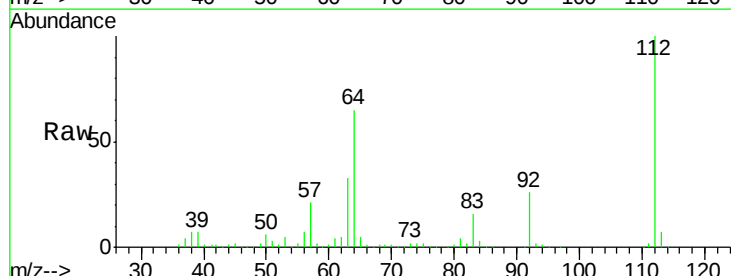


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

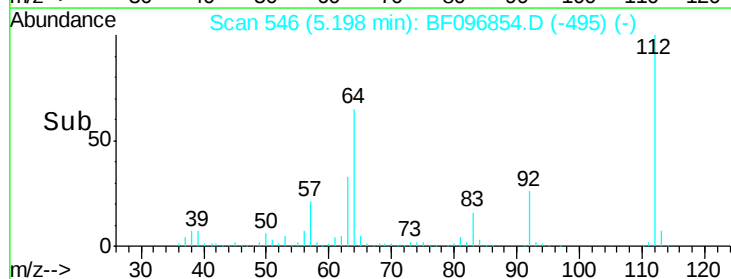
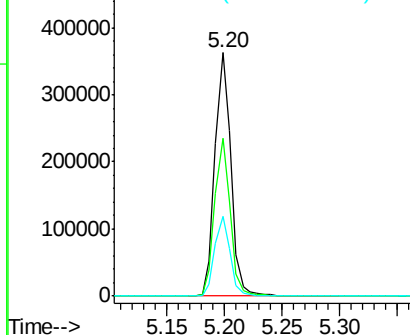


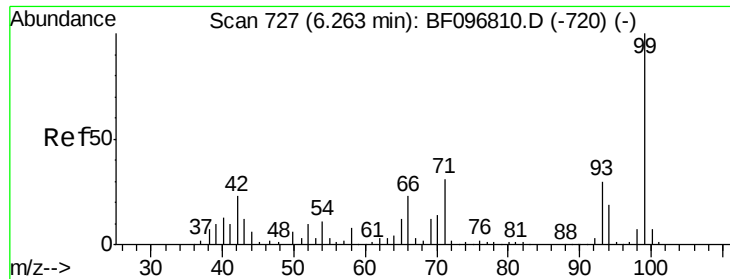
#5
 2-Fluorophenol
 Concen: 44.35 ng
 RT: 5.20 min Scan# 546
 Delta R.T. 0.00 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Tgt Ion:112 Resp: 349725
 Ion Ratio Lower Upper
 112 100
 64 64.6 46.0 69.0
 63 32.8 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: 45.09 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-B

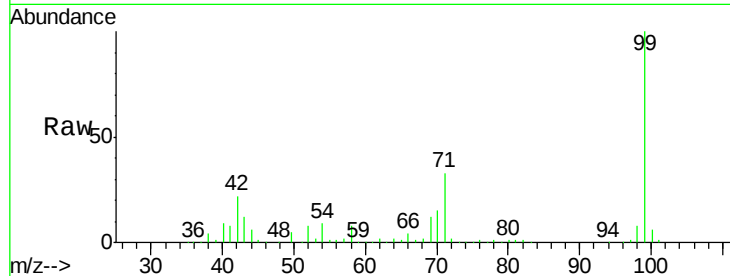
Tot Ion: 99 Resp: 426624

Ion Ratio Lower Upper

99 100

42 22.5 13.5 20.3#

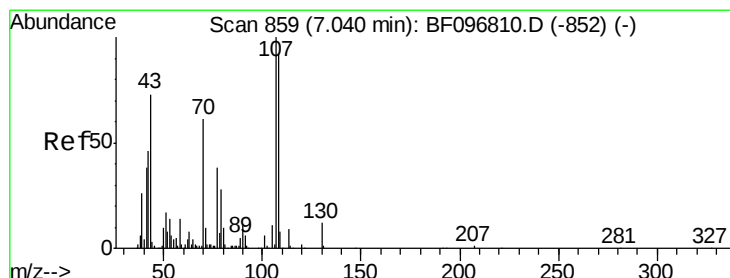
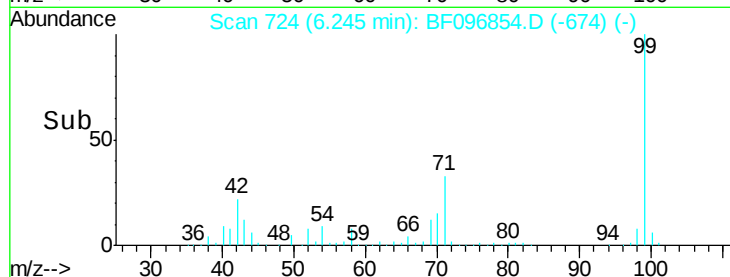
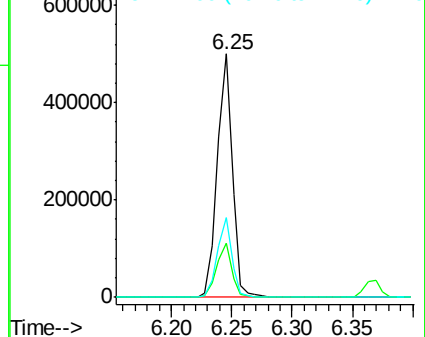
71 32.6 24.5 36.7



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: 5.74 ng

RT: 7.16 min Scan# 879

Delta R.T. 0.13 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Tgt Ion: 70 Resp: 32726

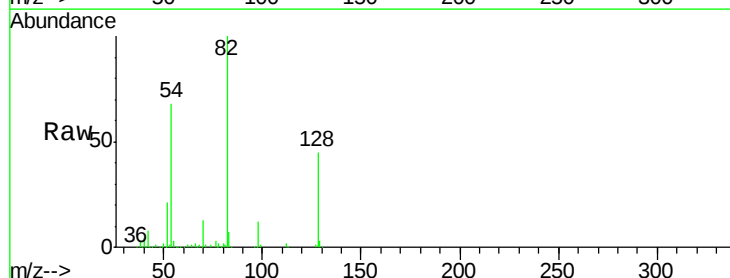
Ion Ratio Lower Upper

70 100

42 63.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

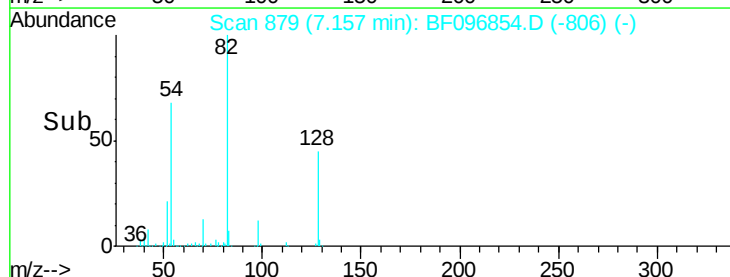
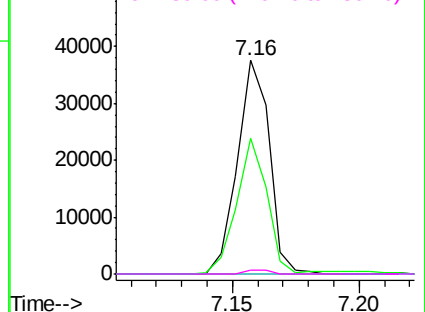


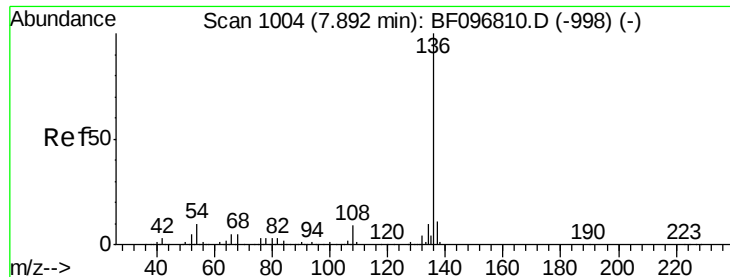
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.88 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-B

Tot Ion:136 Resp: 464639

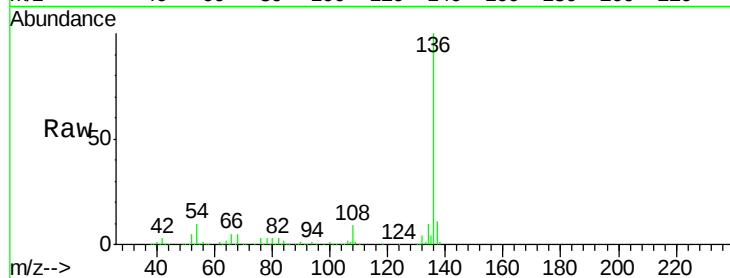
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 9.8 4.9 7.3#

68 5.1 4.1 6.1

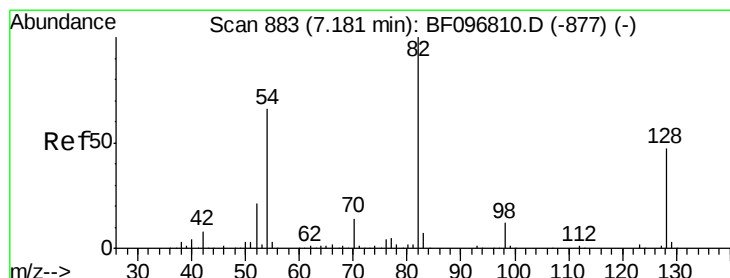
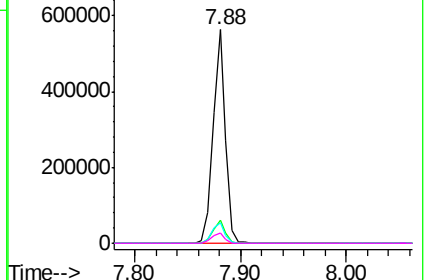
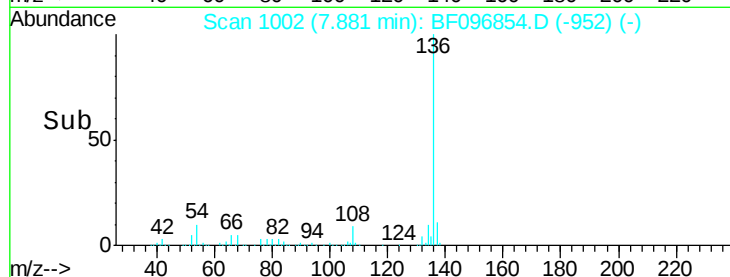


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.32 ng

RT: 7.16 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

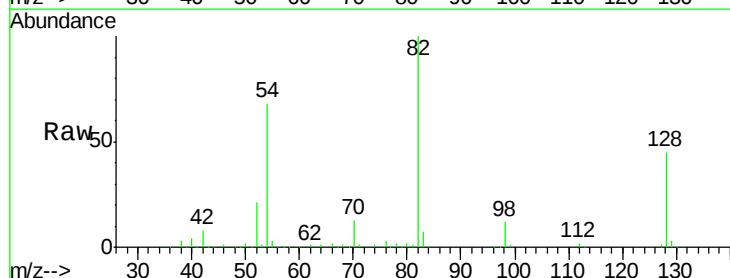
Tgt Ion: 82 Resp: 257473

Ion Ratio Lower Upper

82 100

128 44.9 34.0 51.0

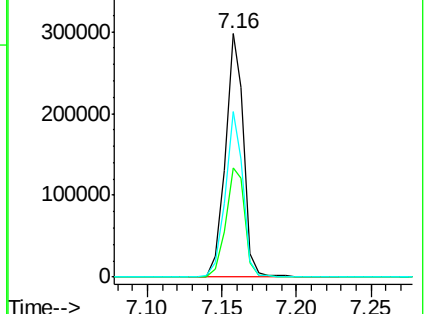
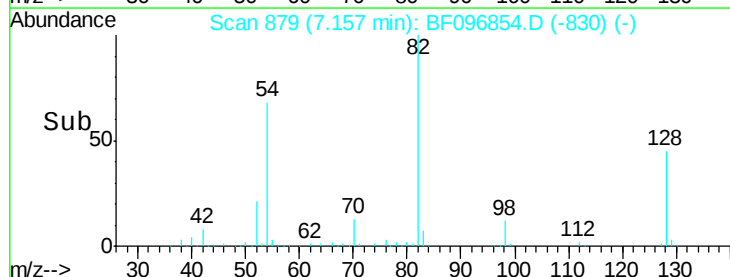
54 68.3 42.2 63.2#

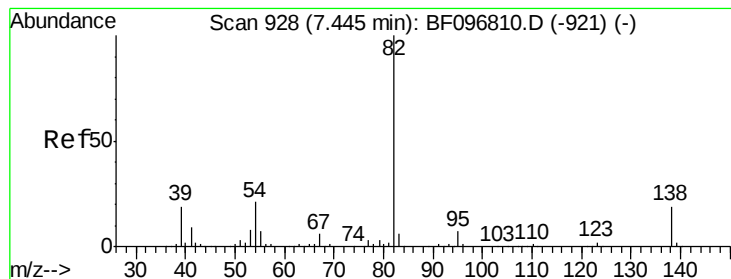


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 18.42 ng

RT: 7.16 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-B

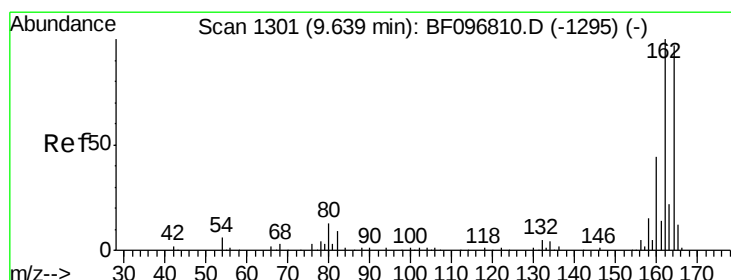
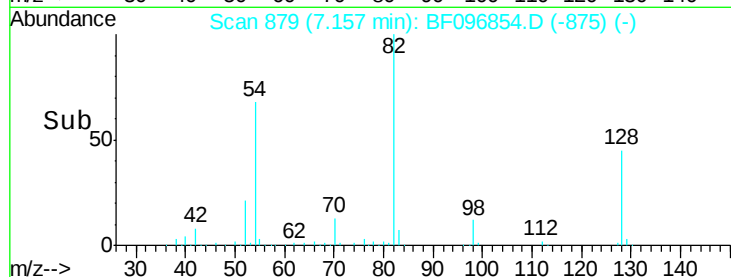
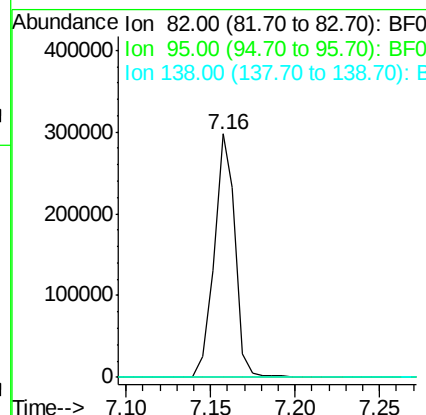
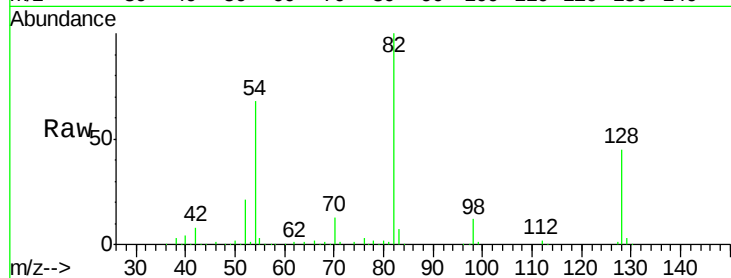
Tot Ion: 82 Resp: 257011

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

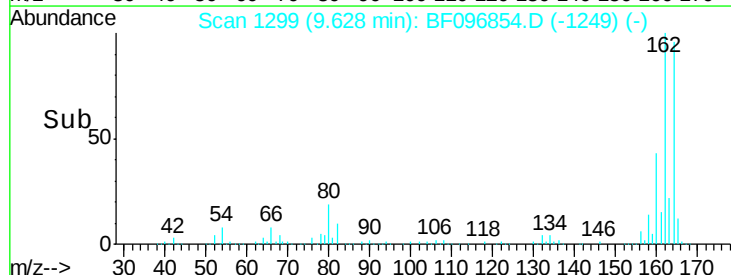
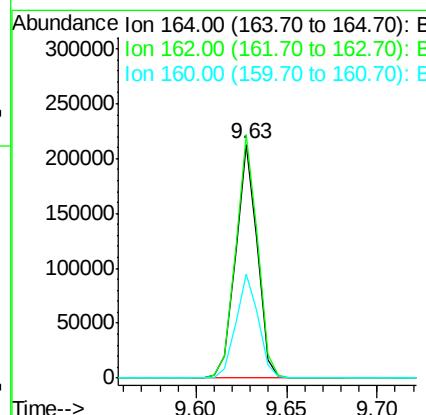
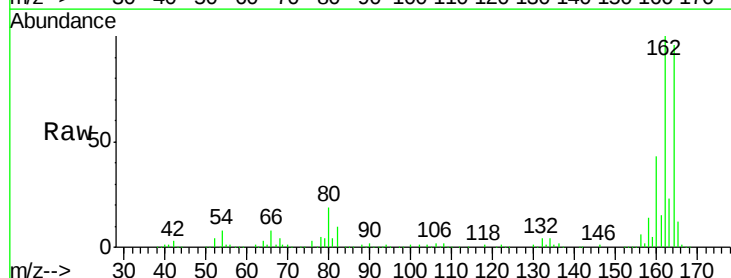
Tgt Ion: 164 Resp: 175969

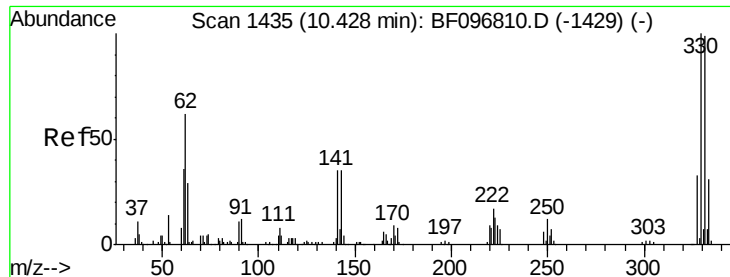
Ion Ratio Lower Upper

164 100

162 104.2 82.6 123.8

160 44.6 36.2 54.2

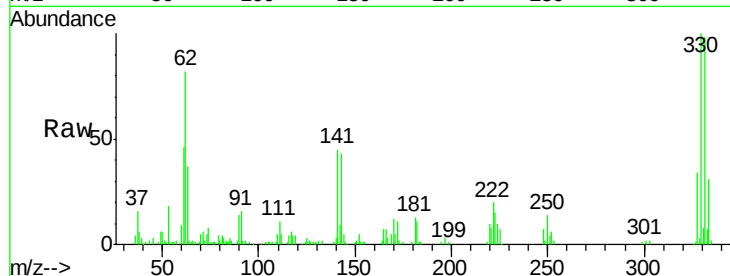




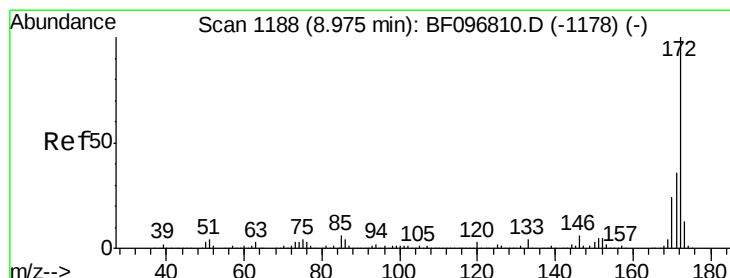
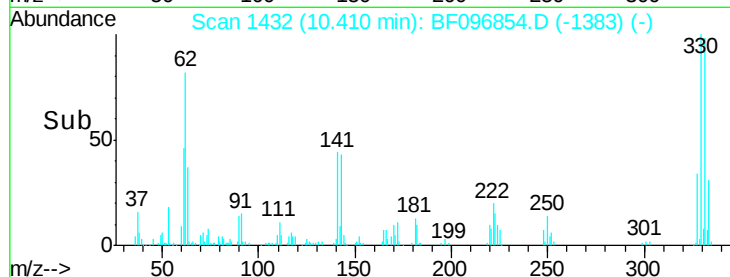
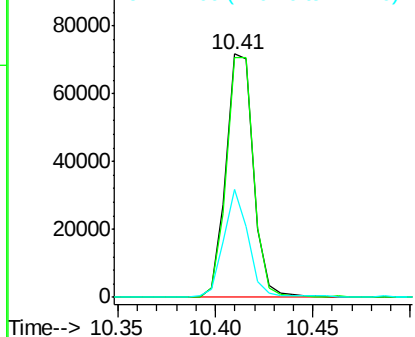
#41
 2,4,6-Tribromophenol
 Concen: 46.63 ng
 RT: 10.41 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

Tot Ion:330 Resp: 70044
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 40.9 31.4 47.2

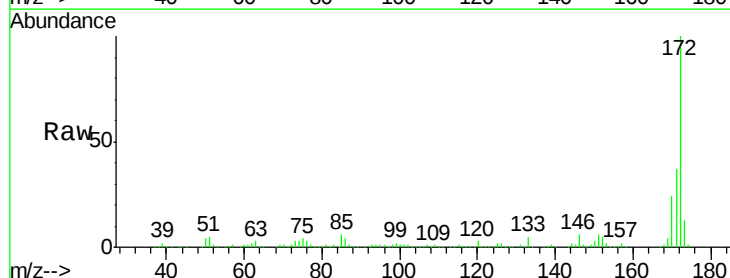


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

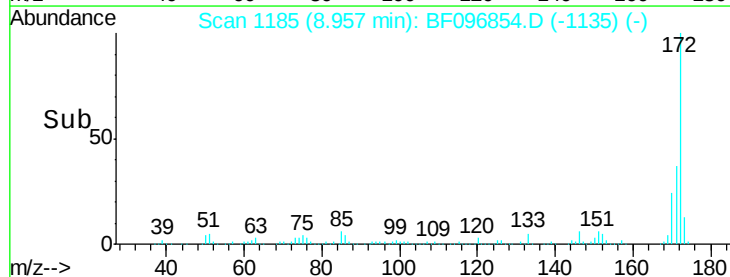
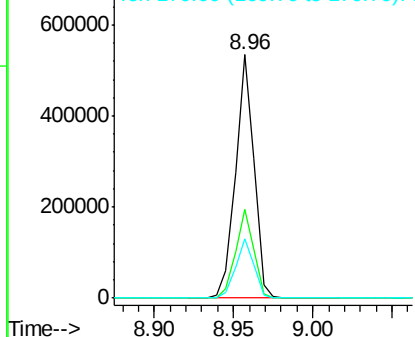


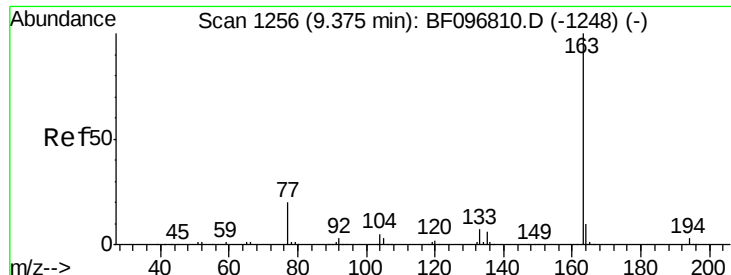
#44
 2-Fluorobiphenyl
 Concen: 38.88 ng
 RT: 8.96 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Tgt Ion:172 Resp: 432998
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 24.4 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

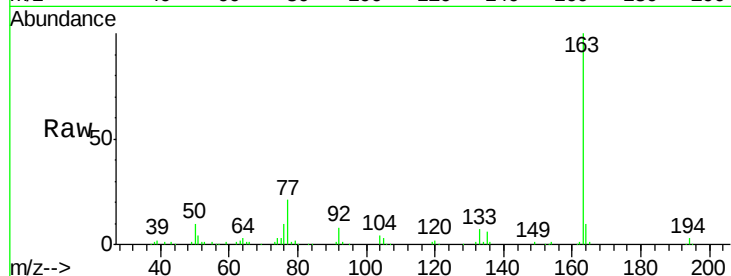




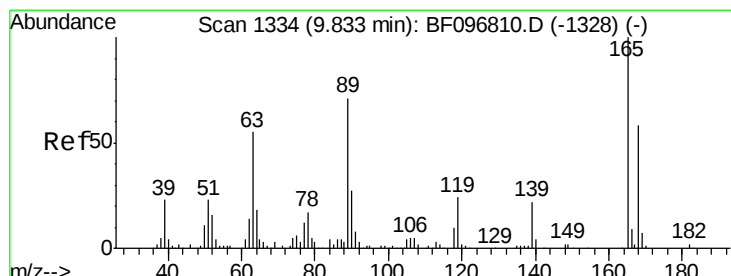
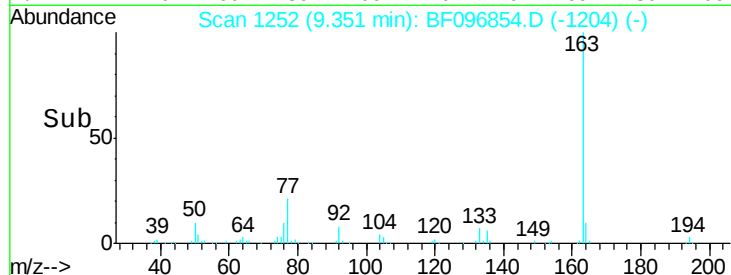
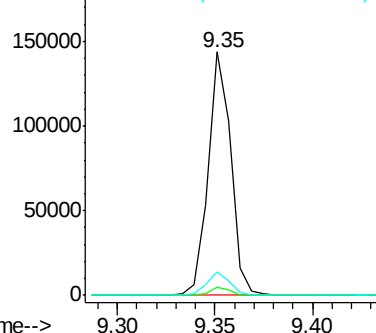
#49
 Dimethylphthalate
 Concen: 8.72 ng
 RT: 9.35 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.6	8.4	12.6



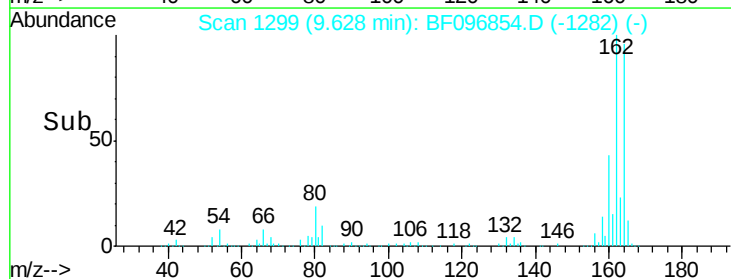
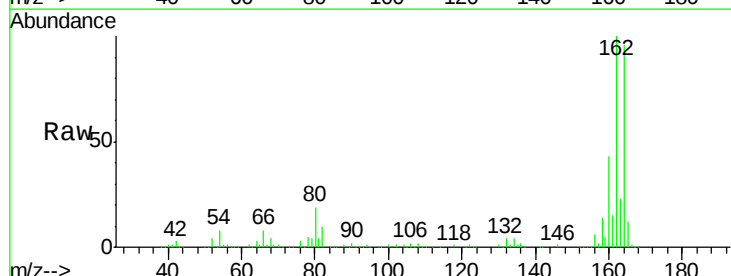
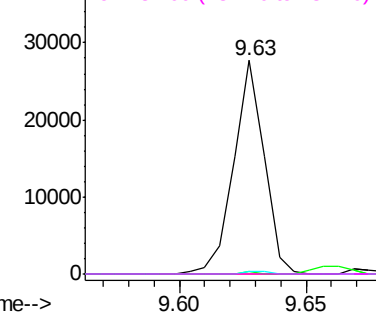
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

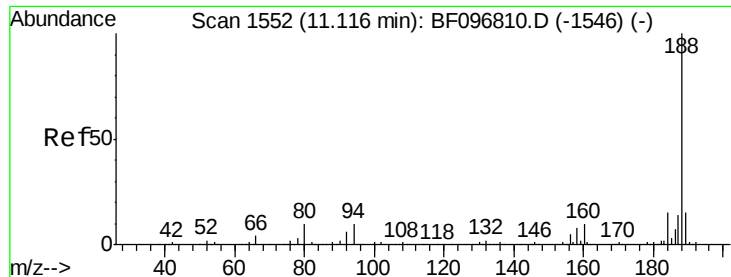


#56
 2,4-Dinitrotoluene
 Concen: 6.27 ng
 RT: 9.63 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.2	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

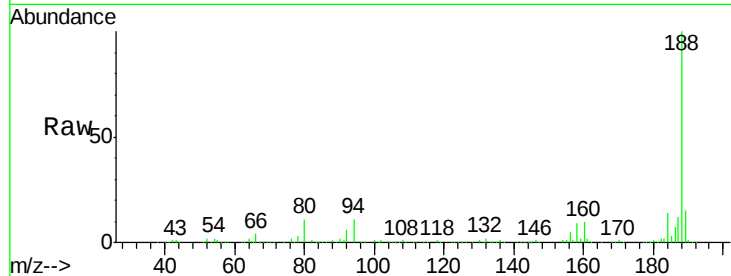




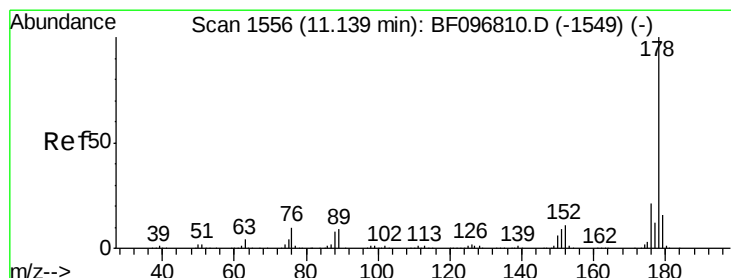
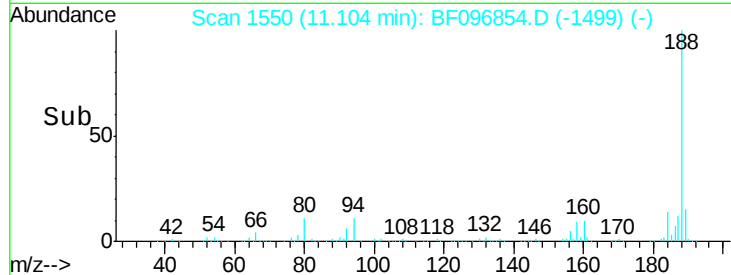
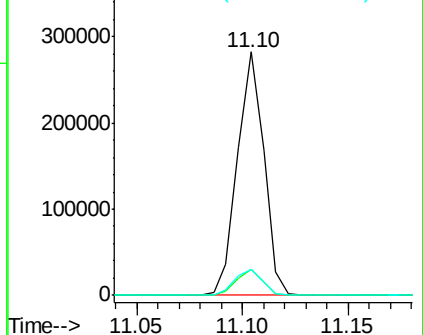
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

Tot Ion:188 Resp: 244223
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 10.8 10.2 15.2

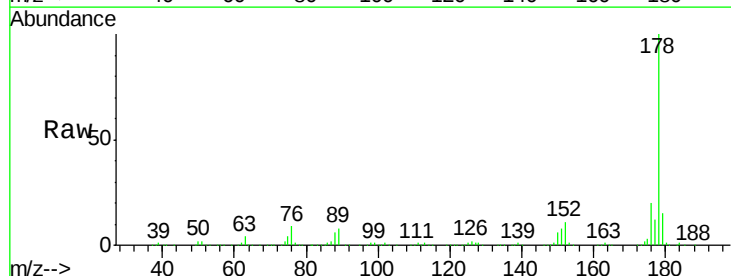


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

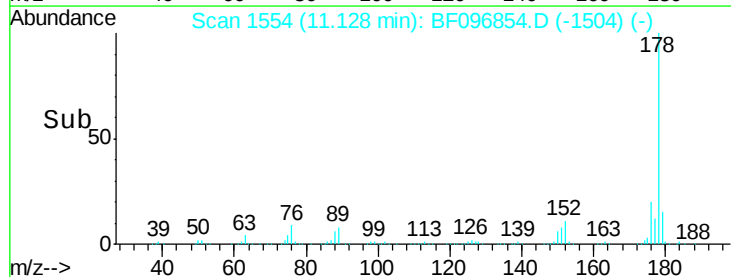
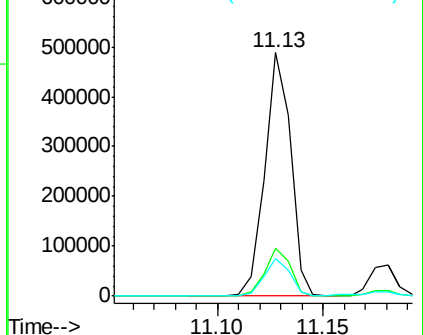


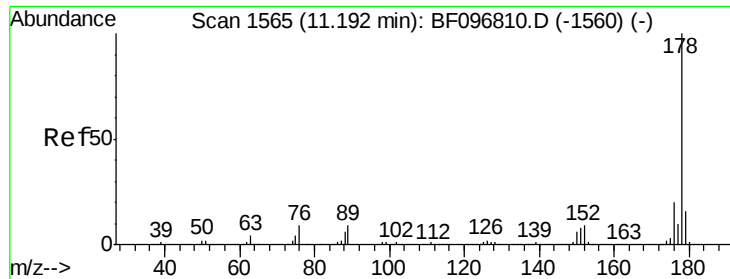
#70
Phenanthrene
Concen: 31.59 ng
RT: 11.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Tgt Ion:178 Resp: 419441
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.4 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

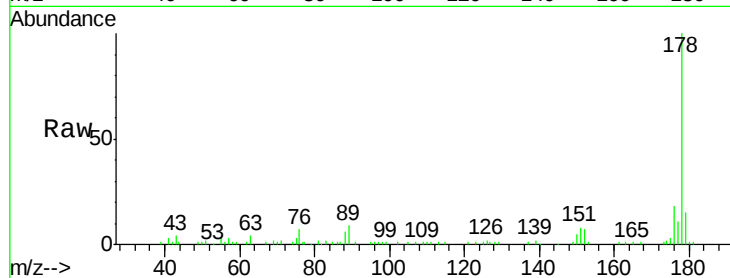




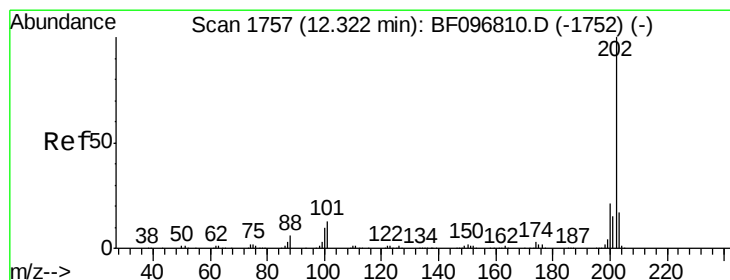
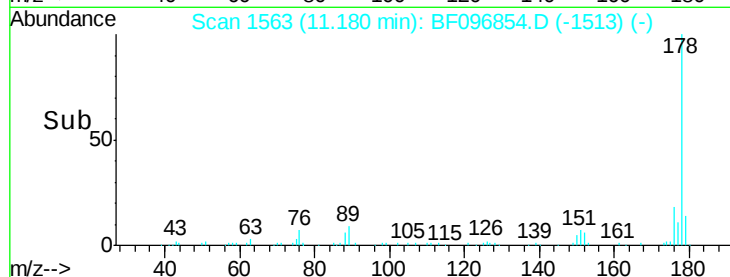
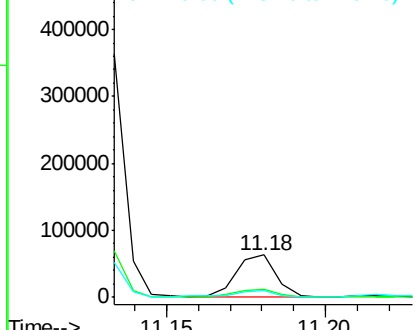
#71
 Anthracene
 Concen: 4.02 ng
 RT: 11.18 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

Tot Ion:178 Resp: 53931
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.8 23.8
 179 15.3 12.7 19.1

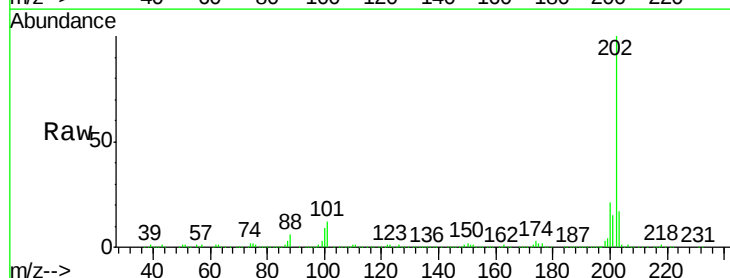


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

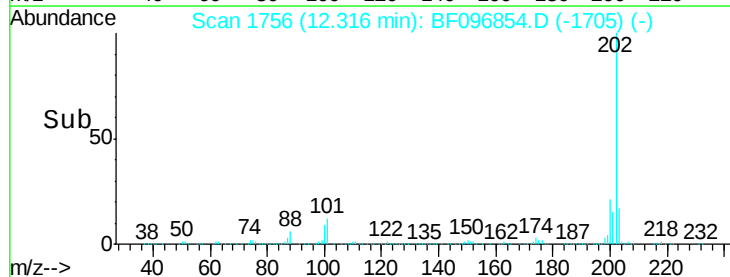
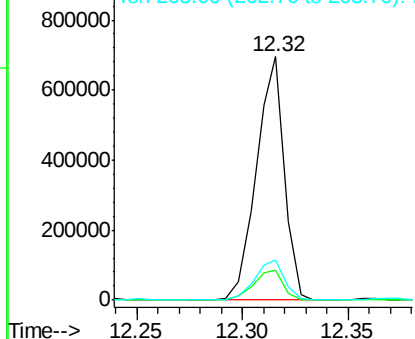


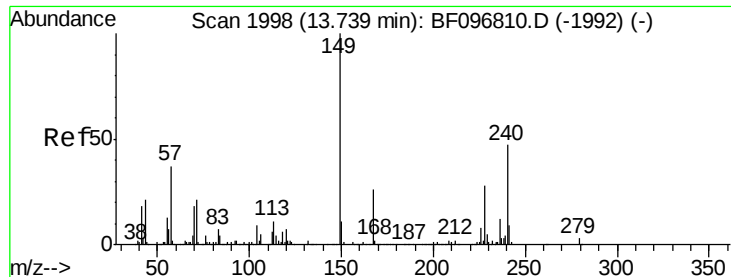
#74
 Fluoranthene
 Concen: 49.94 ng
 RT: 12.32 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Tgt Ion:202 Resp: 634816
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 33.2
 203 16.6 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

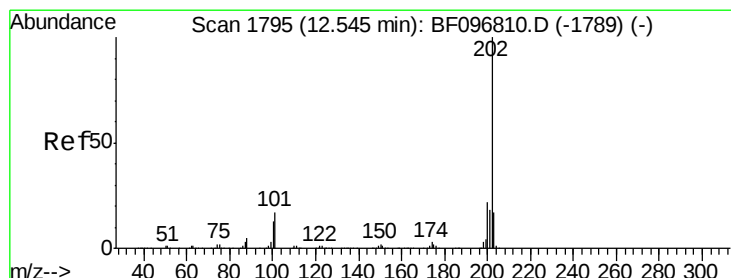
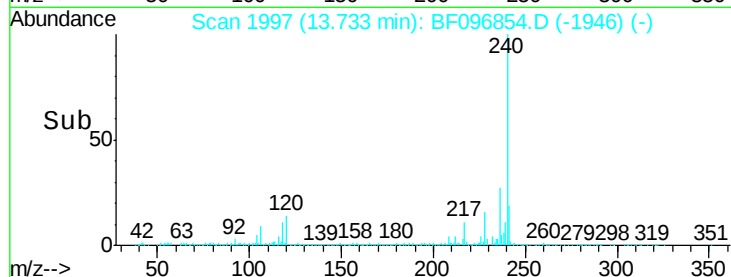
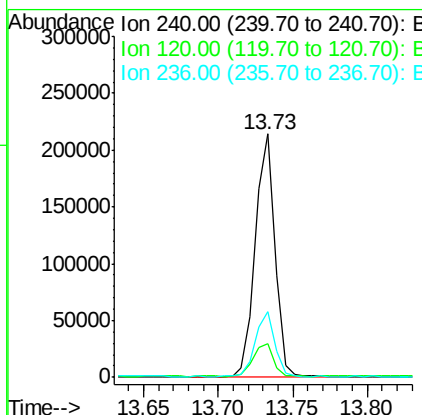
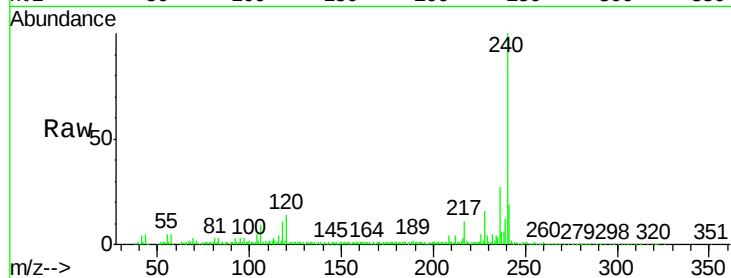




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

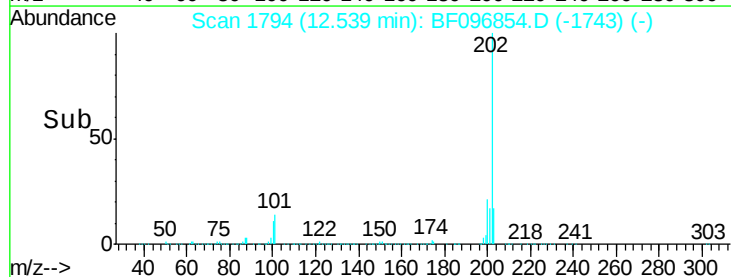
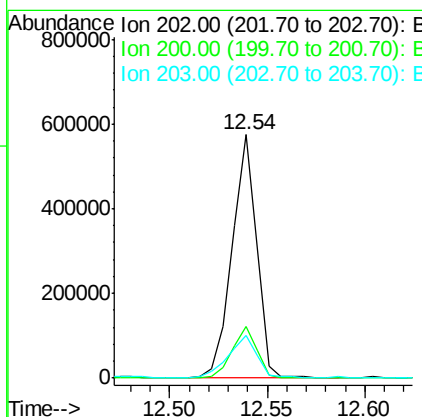
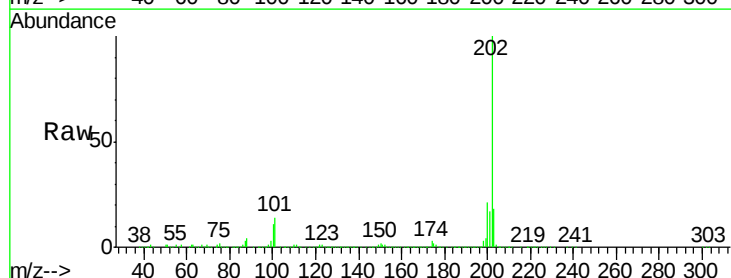
Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

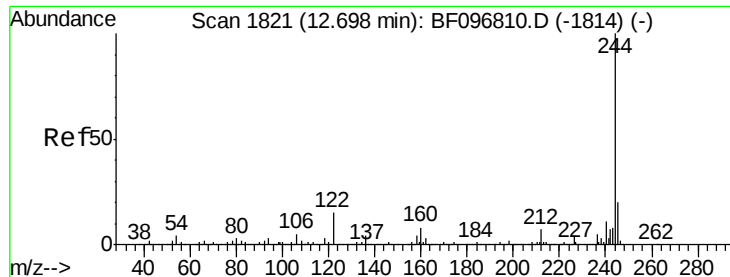
Tot Ion:240 Resp: 195147
Ion Ratio Lower Upper
240 100
120 14.1 5.8 8.8#
236 26.8 20.5 30.7



#77
Pyrene
Concen: 28.23 ng
RT: 12.54 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Tgt Ion:202 Resp: 500008
Ion Ratio Lower Upper
202 100
200 21.3 17.6 26.4
203 17.6 14.4 21.6





#78

Terphenyl-d14

Concen: 24.97 ng

RT: 12.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-B

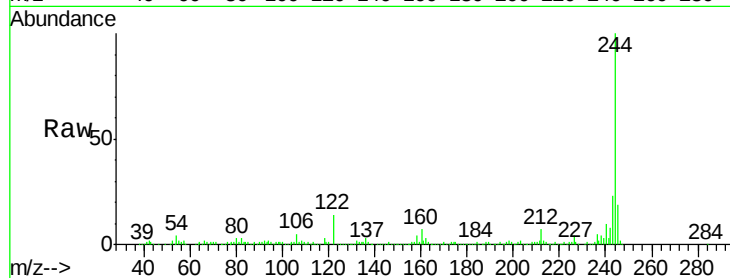
Tot Ion:244 Resp: 280977

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

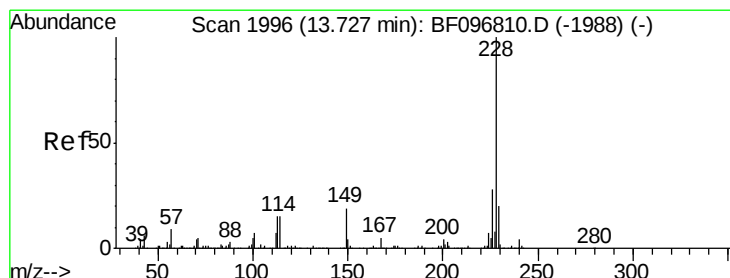
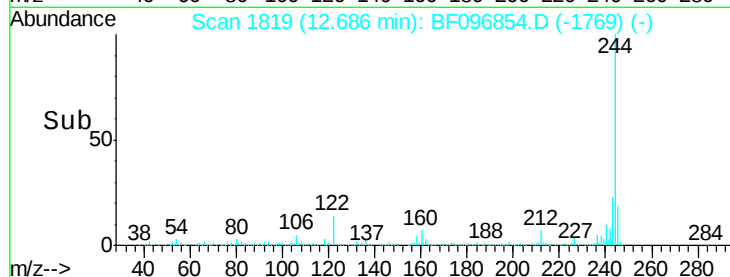
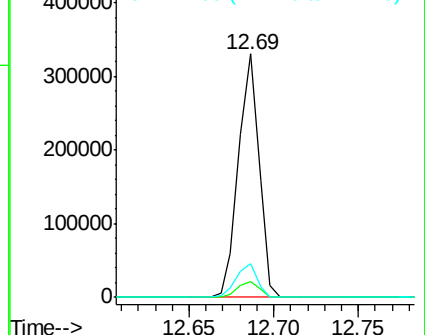
122 13.6 10.3 15.5



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: 13.96 ng

RT: 13.72 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

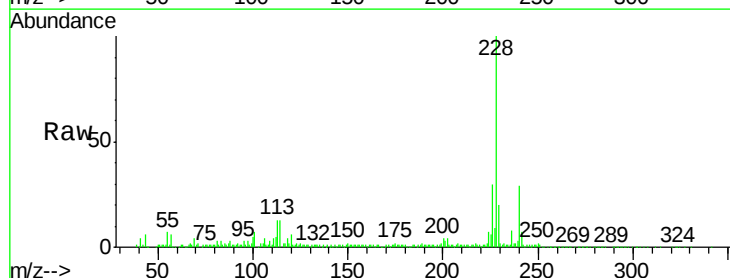
Tgt Ion:228 Resp: 169709

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

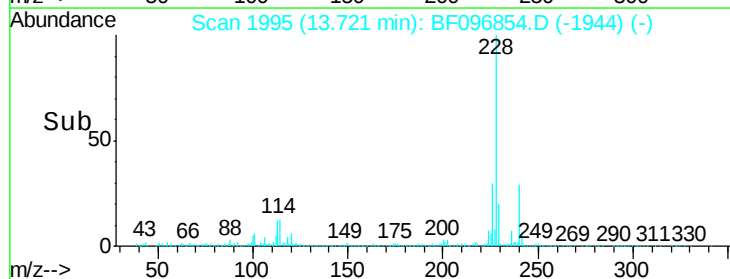
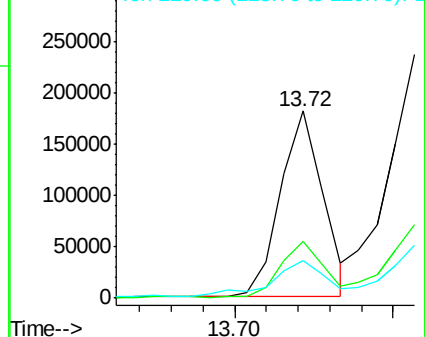
229 20.4 16.3 24.5

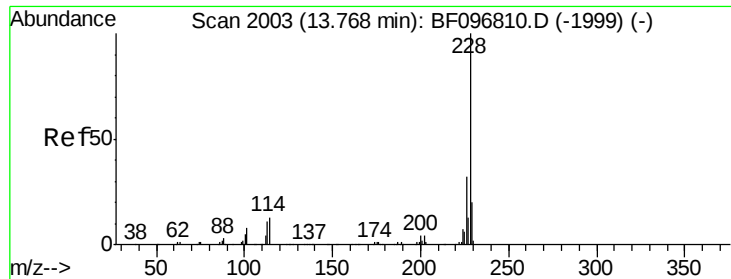


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 19.17 ng

RT: 13.76 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-B

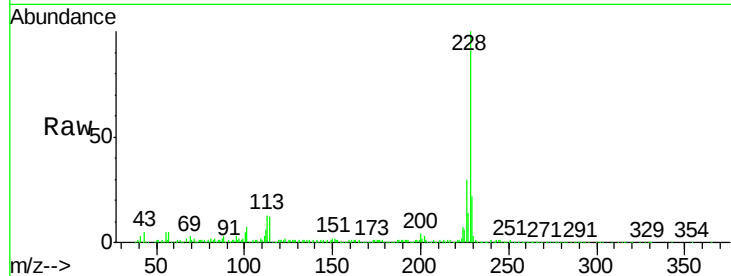
Tot Ion:228 Resp: 229439

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

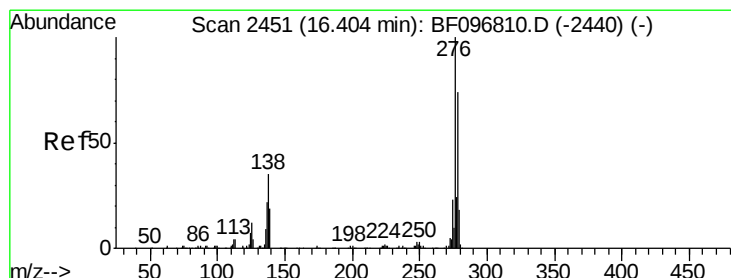
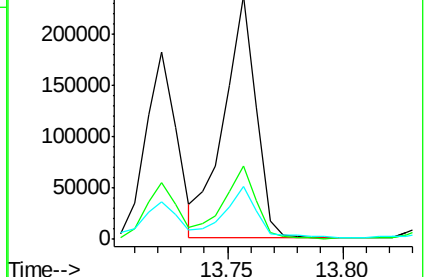
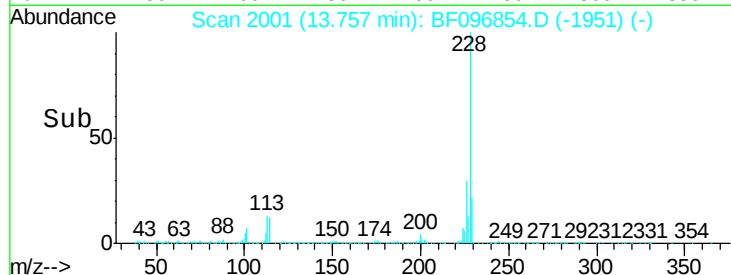
229 21.9 15.8 23.6



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: 9.61 ng

RT: 16.40 min Scan# 2450

Delta R.T. 0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

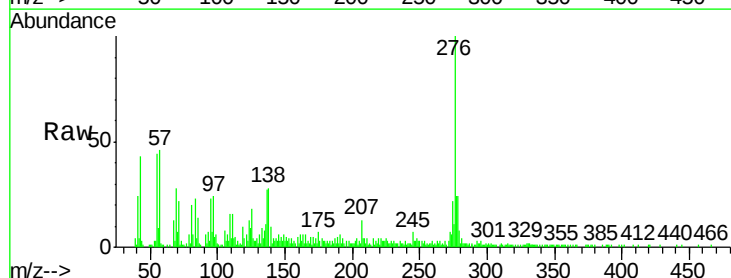
Tgt Ion:276 Resp: 72909

Ion Ratio Lower Upper

276 100

138 30.2 27.8 41.6

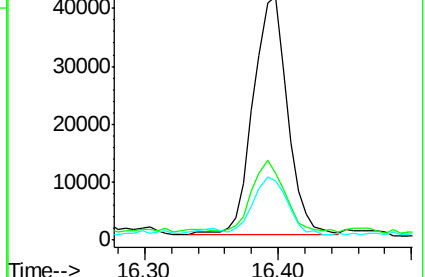
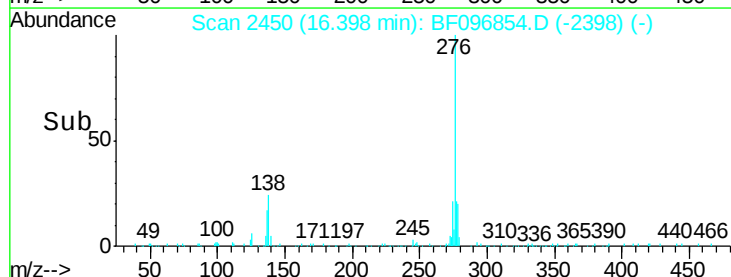
277 24.8 20.2 30.4

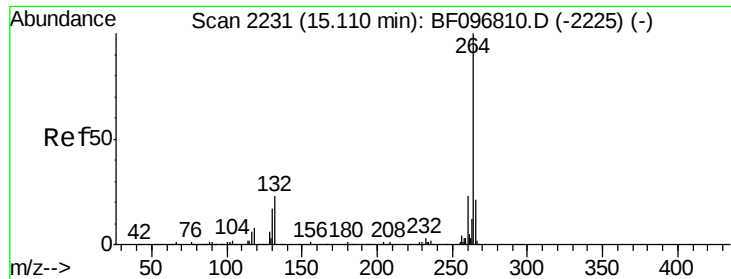


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

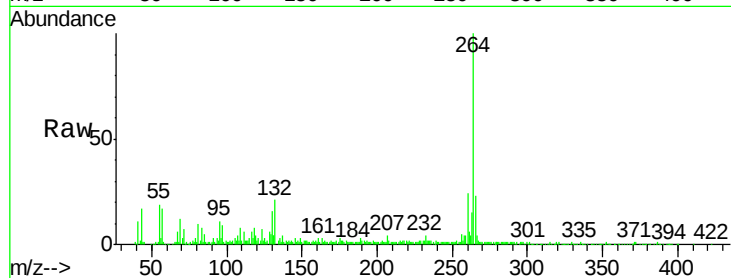




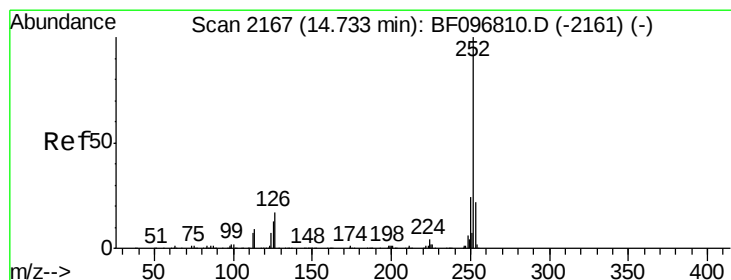
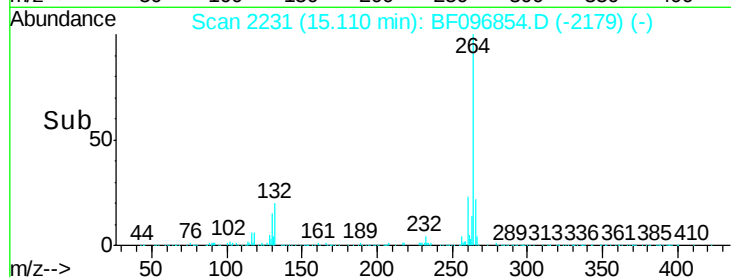
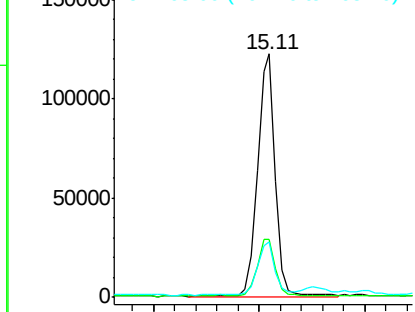
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

Tot Ion:264 Resp: 144944
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 22.7 17.2 25.8

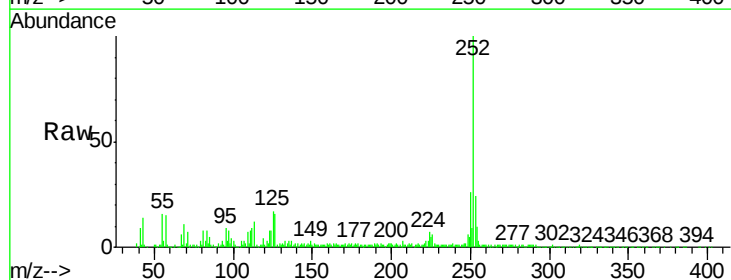


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

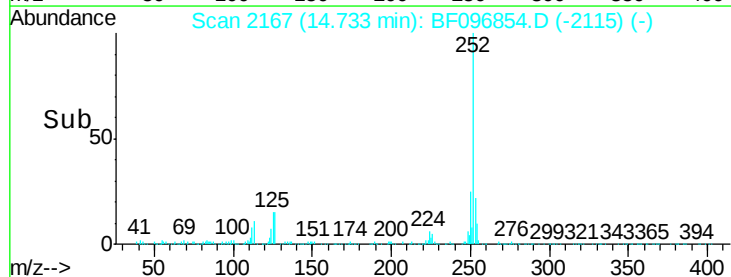
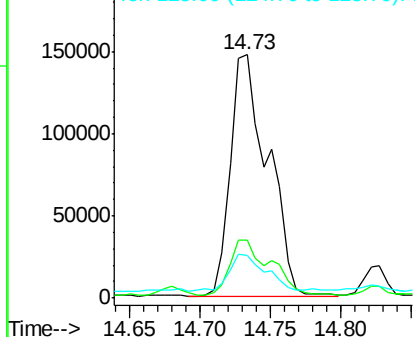


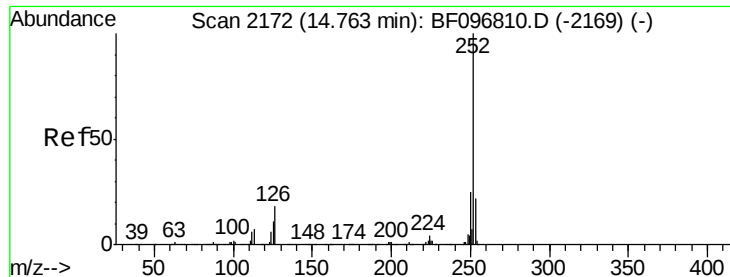
#87
Benzo(b)fluoranthene
Concen: 31.51 ng
RT: 14.73 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Tgt Ion:252 Resp: 275452
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 17.4 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: 33.28 ng

RT: 14.73 min Scan# 2167

Delta R.T. -0.02 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-B

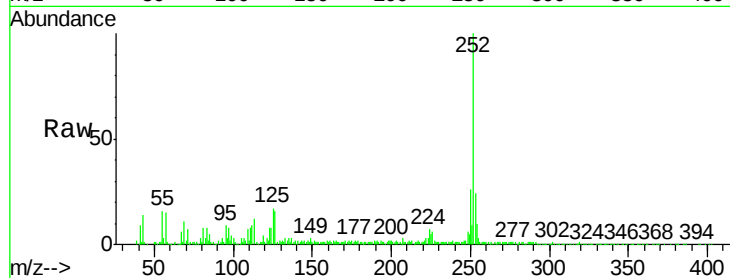
Tot Ion:252 Resp: 275452

Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

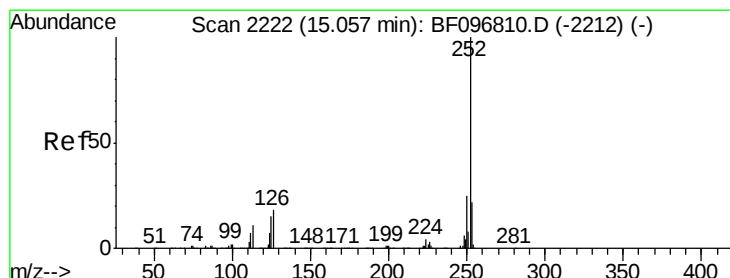
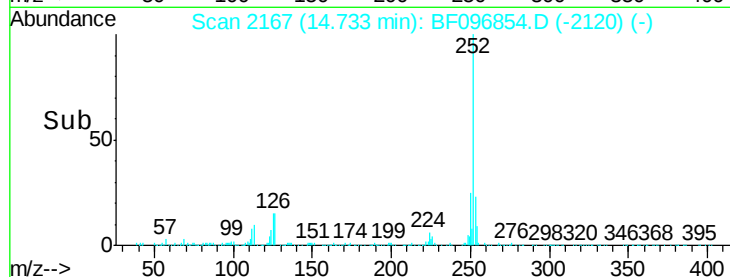
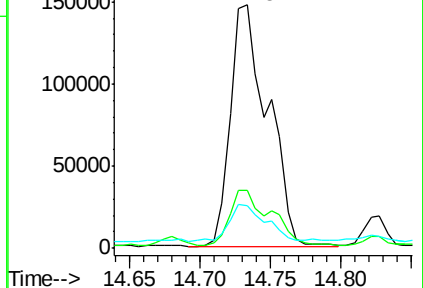
125 17.4 13.1 19.7



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: 14.91 ng

RT: 15.05 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

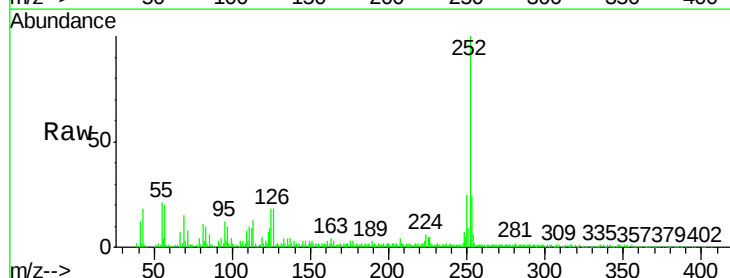
Tgt Ion:252 Resp: 119510

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

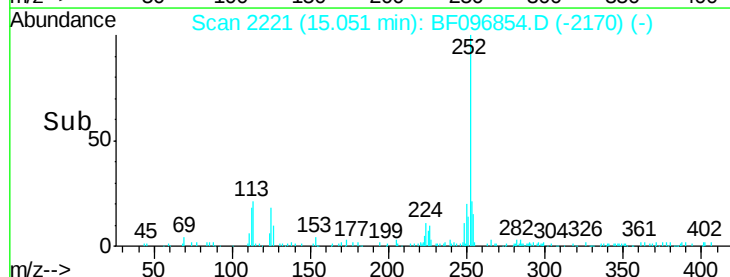
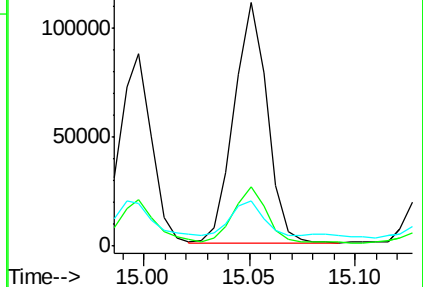
125 18.4 11.0 16.4#

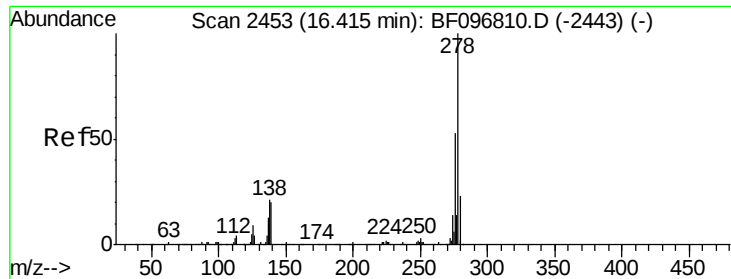


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.67 ng

RT: 16.40 min Scan# 2450

Delta R.T. -0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-B

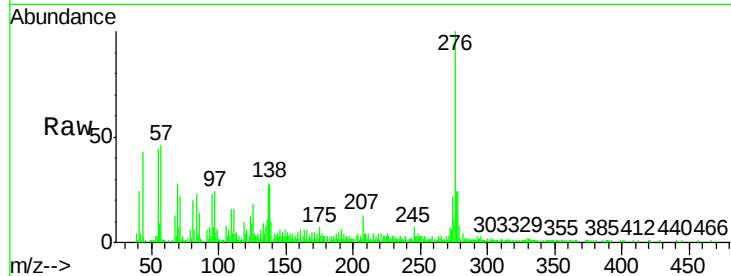
Tot Ion:278 Resp: 19688

Ion Ratio Lower Upper

278 100

139 42.9 16.6 24.8#

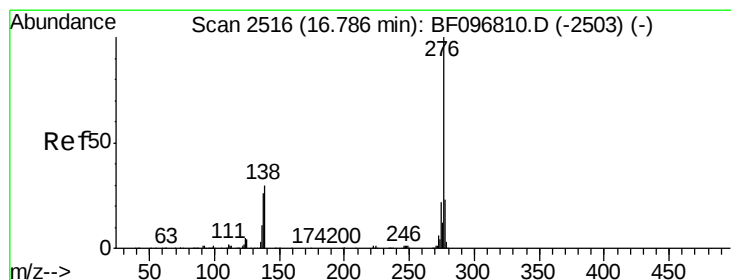
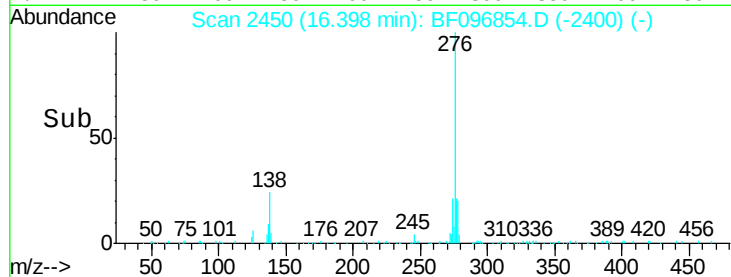
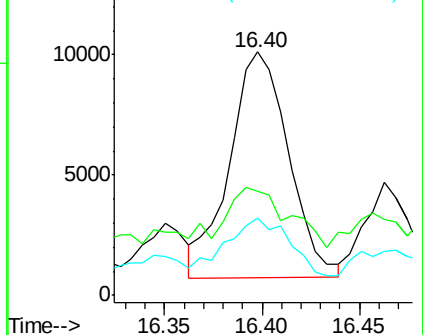
279 31.9 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.42 ng

RT: 16.78 min Scan# 2515

Delta R.T. 0.00 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

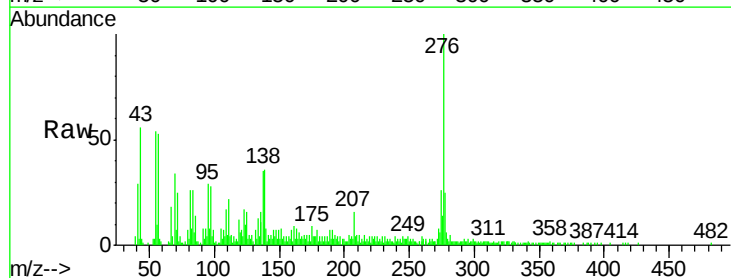
Tgt Ion:276 Resp: 66484

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 36.5 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

