

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096502.D
 Acq On : 6 Jul 2017 00:35
 Operator : SJ/MA
 Sample : I3976-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 01:44:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

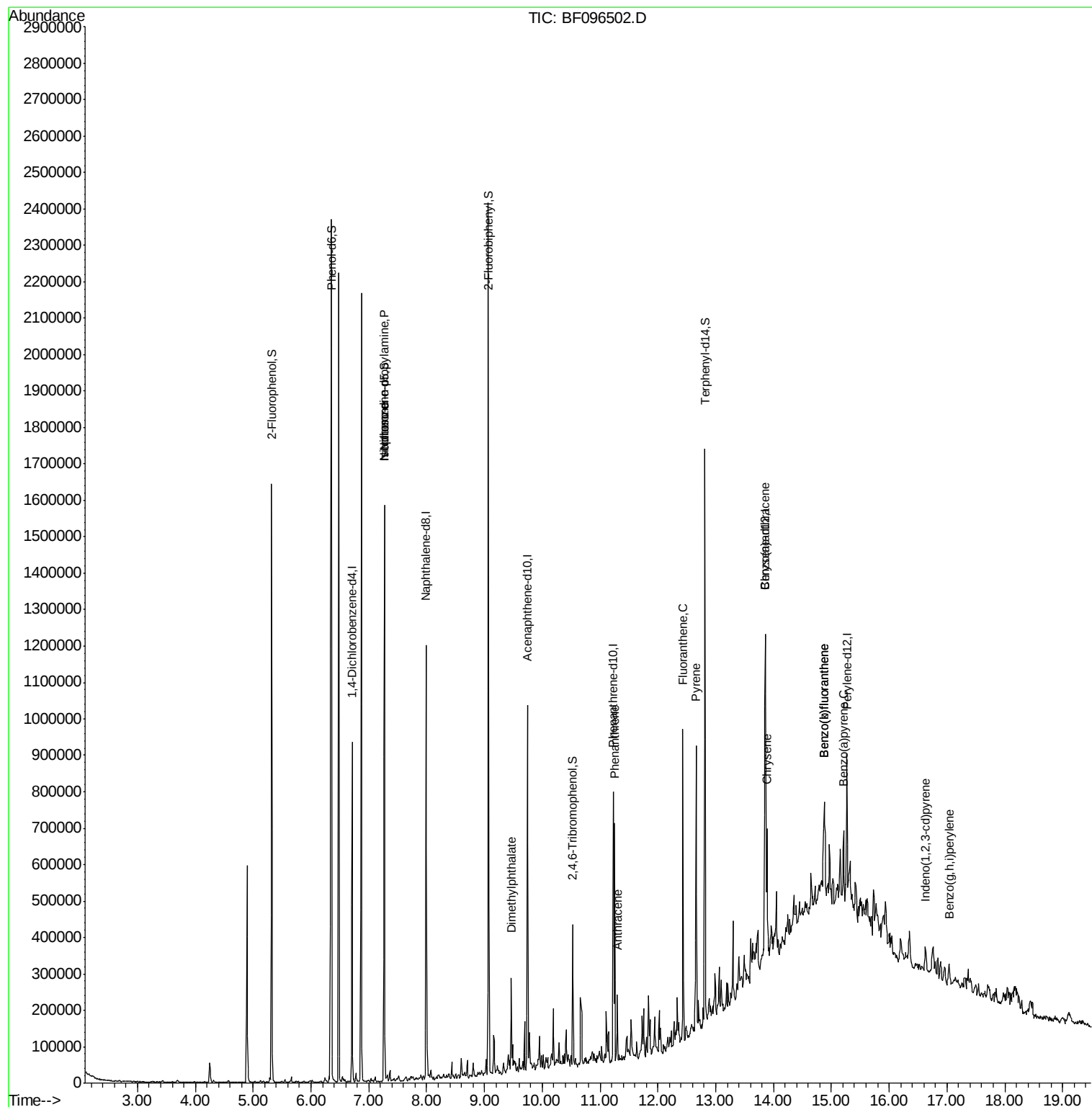
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	121420	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	472338	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	185962	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	255668	20.00	ng	0.00
75) Chrysene-d12	13.86	240	237421	20.00	ng	0.00
86) Perylene-d12	15.27	264	167651	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	425437	51.72	ng	0.00
7) Phenol-d6	6.35	99	808750	79.97	ng	0.00
23) Nitrobenzene-d5	7.27	82	494248	62.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	35253	24.27	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	791539	72.78	ng	0.00
78) Terphenyl-d14	12.81	244	501868	45.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	65705	10.91	ng	Qvalue # 84
25) Isophorone	7.27	82	491222	32.23	ng	# 67
49) Dimethylphthalate	9.46	163	84224	6.07	ng	99
70) Phenanthrene	11.25	178	232218	16.80	ng	96
71) Anthracene	11.30	178	48564	3.45	ng	98
74) Fluoranthene	12.43	202	336188	24.81	ng	98
77) Pyrene	12.66	202	309573	16.24	ng	99
80) Benzo(a)anthracene	13.85	228	142770	10.38	ng	100
82) Chrysene	13.89	228	136118	9.45	ng	96
85) Indeno(1,2,3-cd)pyrene	16.63	276	40011	3.52	ng	99
87) Benzo(b)fluoranthene	14.87	252	166316	15.83	ng	# 90
88) Benzo(k)fluoranthene	14.87	252	166316	17.70	ng	# 94
89) Benzo(a)pyrene	15.21	252	82024	8.75	ng	# 91
91) Benzo(a,h,i)perylene	17.04	276	39376	5.15	ng	93

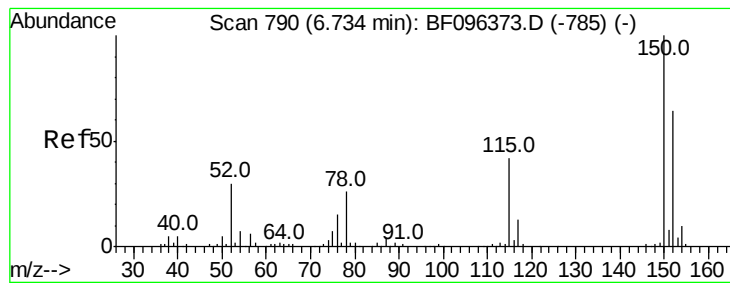
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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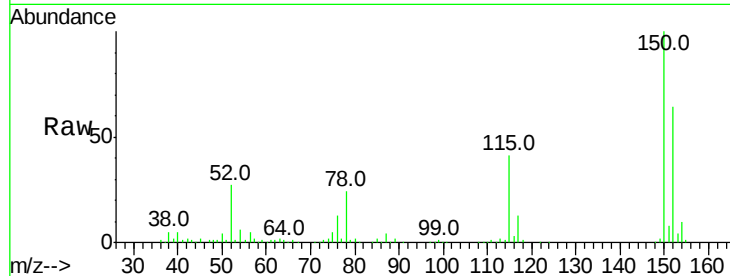


#1

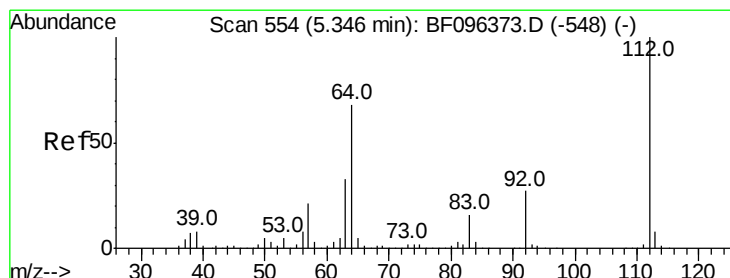
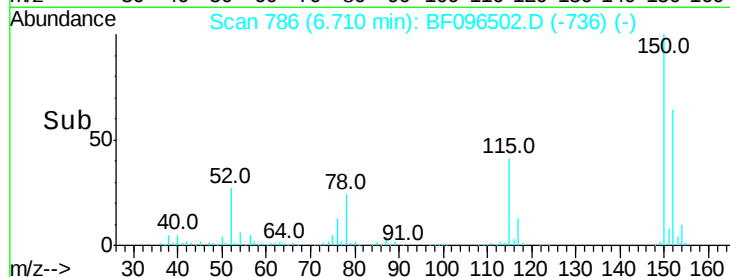
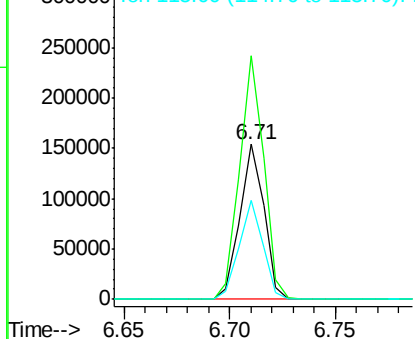
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 121420
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.2
115 63.8 52.2 78.2



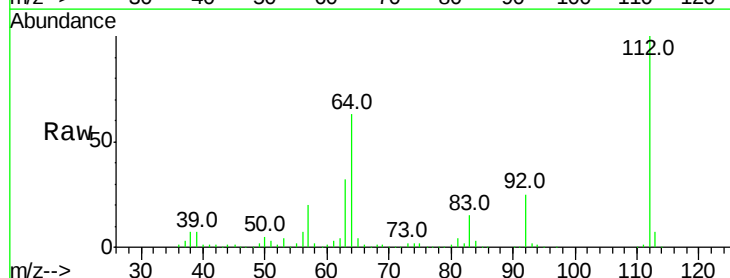
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



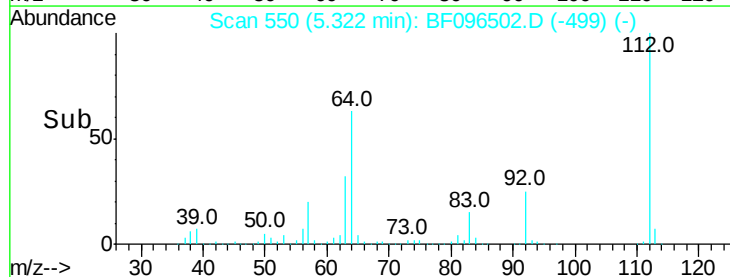
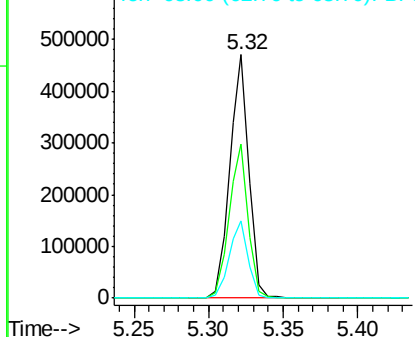
#5

2-Fluorophenol
Concen: 51.72 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Tgt Ion:112 Resp: 425437
Ion Ratio Lower Upper
112 100
64 63.0 46.0 69.0
63 31.6 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: 79.97 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096502.D

Acq: 6 Jul 2017 00:35

Instrument :

BNA_F

ClientSampleId :

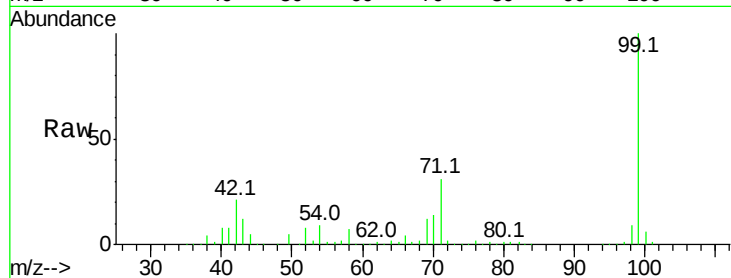
Tot Ion: 99 Resp: 808750

Ion Ratio Lower Upper

99 100

42 21.3 13.5 20.3#

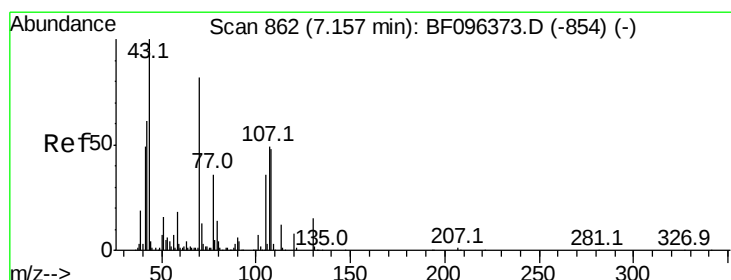
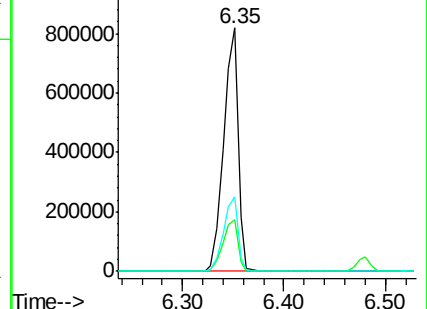
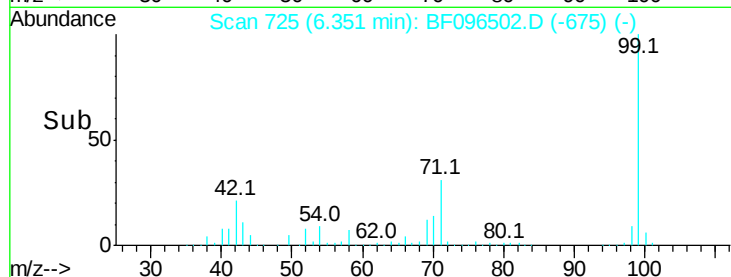
71 30.9 24.5 36.7



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: 10.91 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF096502.D

Acq: 6 Jul 2017 00:35

Tgt Ion: 70 Resp: 65705

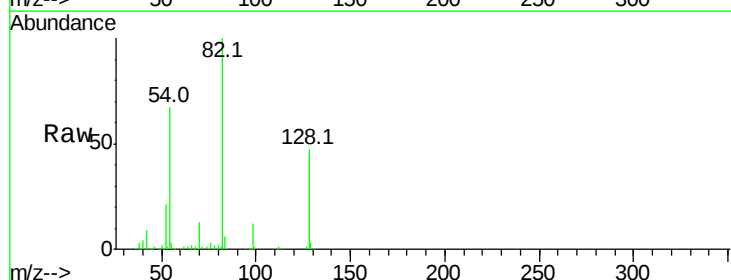
Ion Ratio Lower Upper

70 100

42 64.1 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

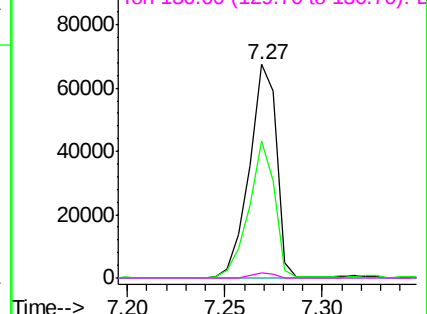
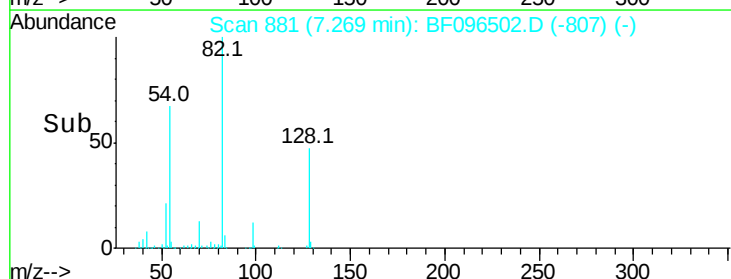


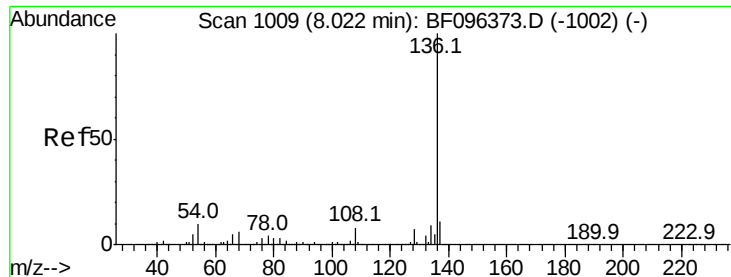
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF096502.D

Acq: 6 Jul 2017 00:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 472338

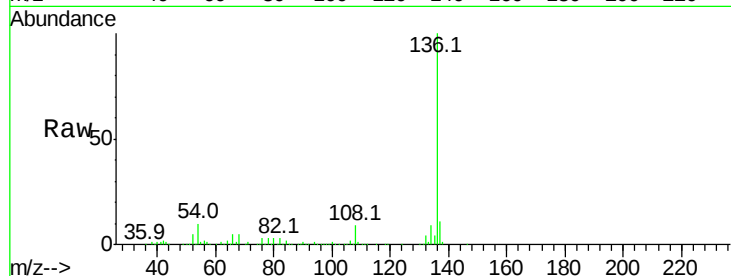
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.3 4.9 7.3#

68 4.9 4.1 6.1

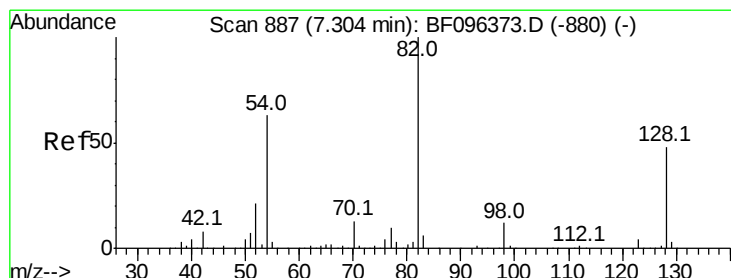
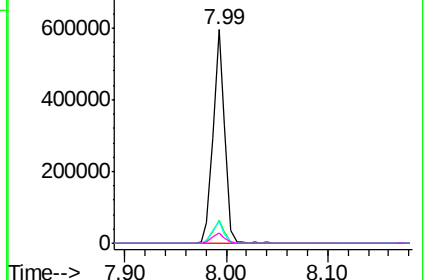
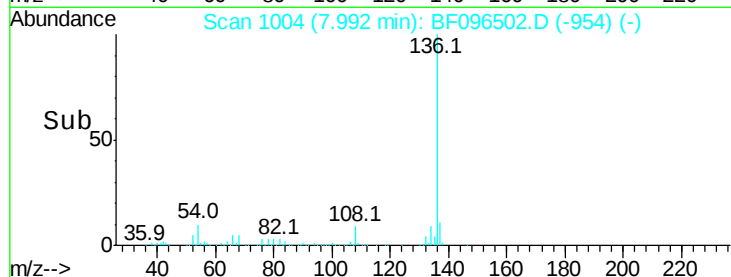


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.88 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF096502.D

Acq: 6 Jul 2017 00:35

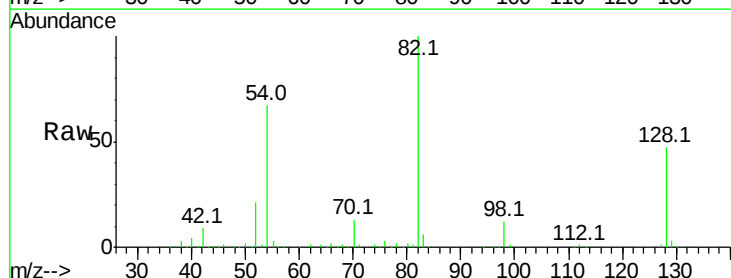
Tgt Ion: 82 Resp: 494248

Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

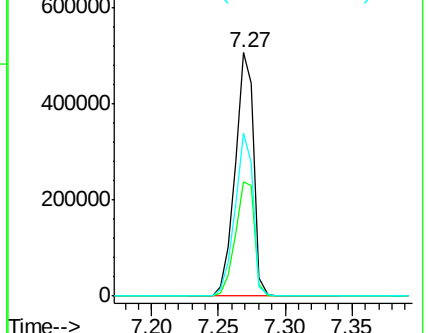
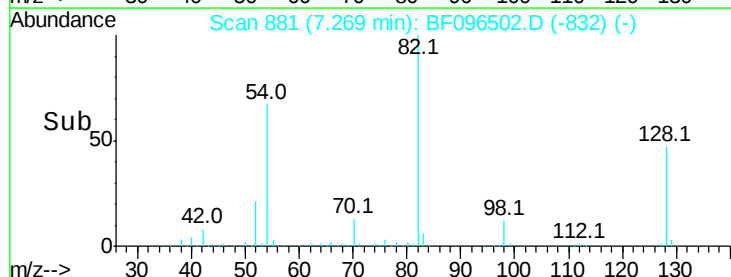
54 66.7 42.2 63.2#

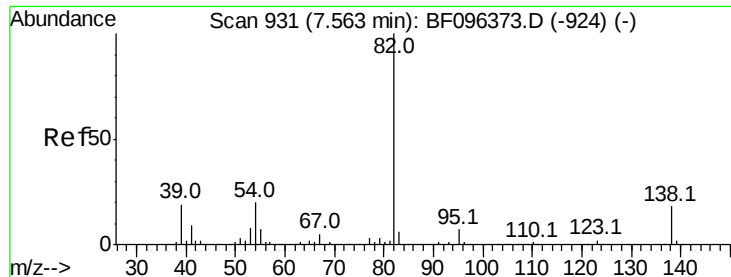


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.23 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF096502.D

Acq: 6 Jul 2017 00:35

Instrument :

BNA_F

ClientSampleId :

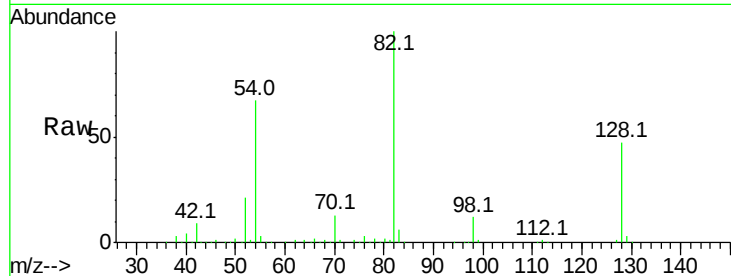
Tot Ion: 82 Resp: 491222

Ion Ratio Lower Upper

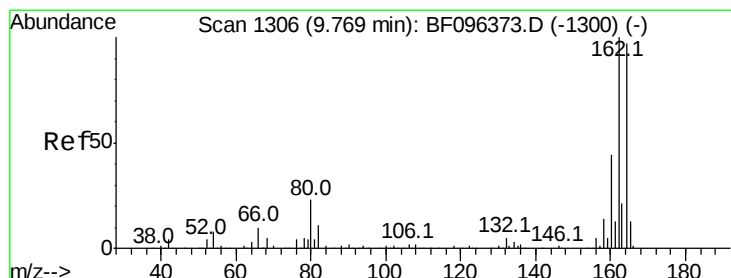
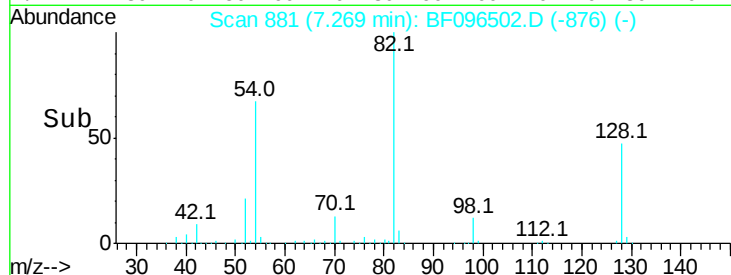
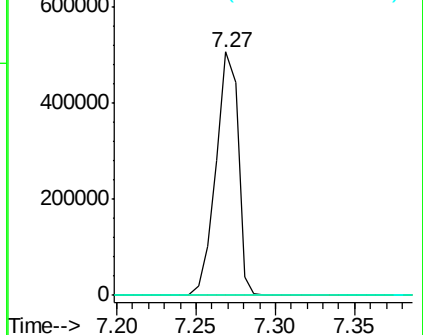
82 100

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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096502.D

Acq: 6 Jul 2017 00:35

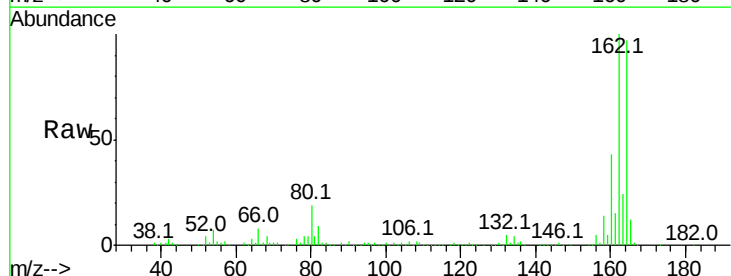
Tgt Ion:164 Resp: 185962

Ion Ratio Lower Upper

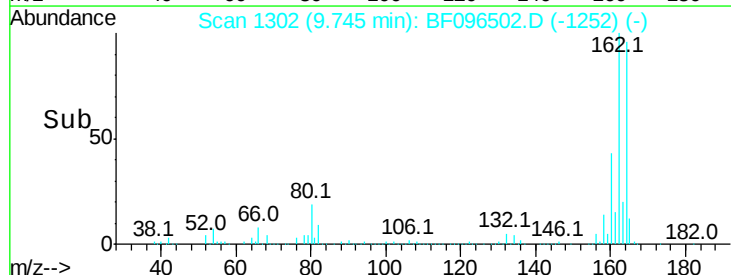
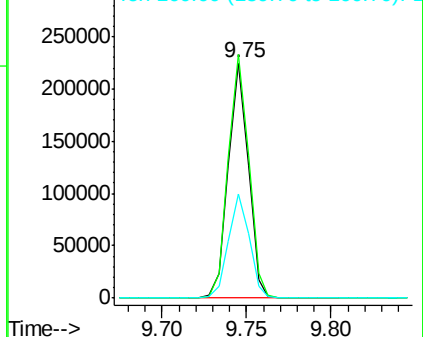
164 100

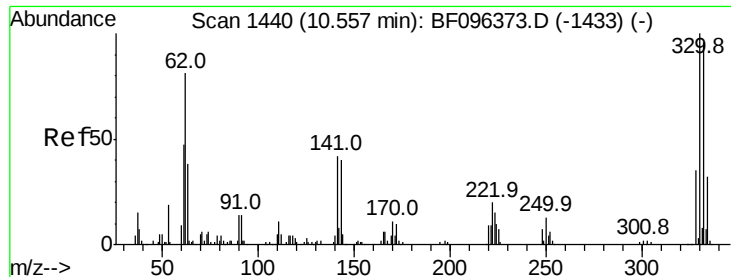
162 103.6 82.6 123.8

160 44.5 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

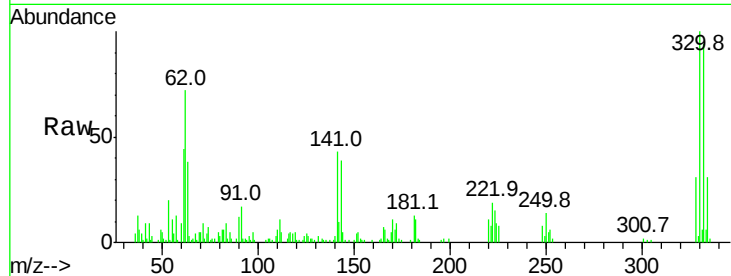




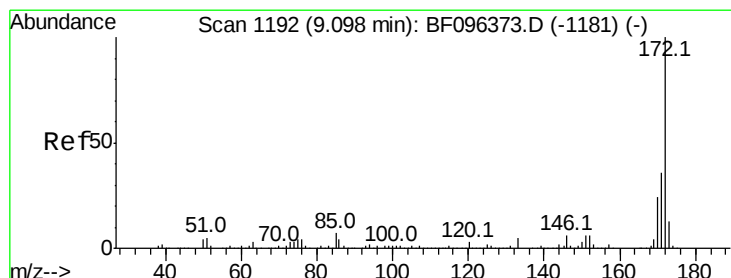
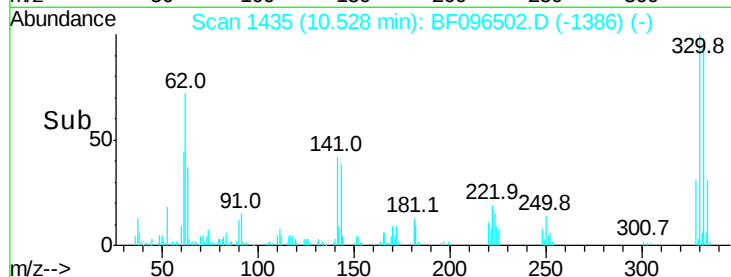
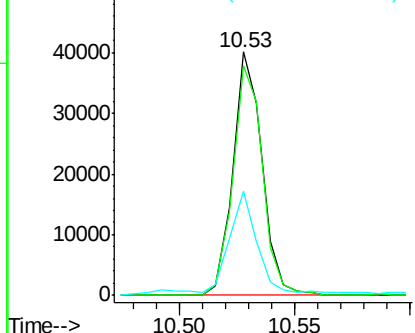
#41
 2,4,6-Tribromophenol
 Concen: 24.27 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF096502.D
 Acq: 6 Jul 2017 00:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 35253
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 40.6 31.4 47.2

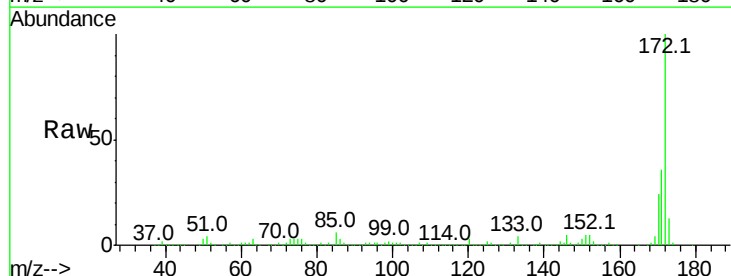


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

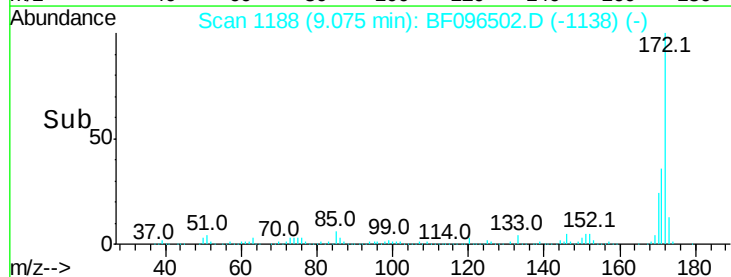
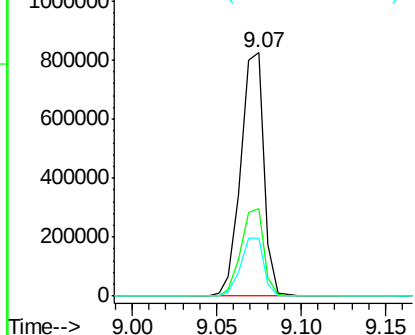


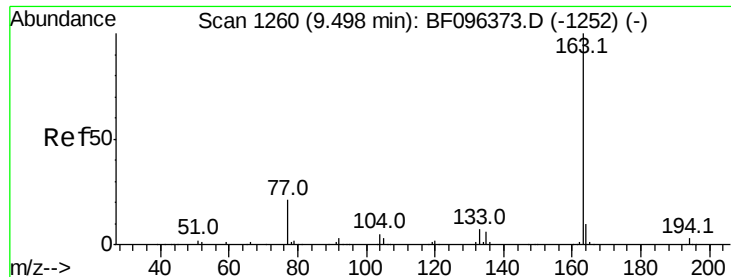
#44
 2-Fluorobiphenyl
 Concen: 72.78 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096502.D
 Acq: 6 Jul 2017 00:35

Tgt Ion:172 Resp: 791539
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 24.1 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

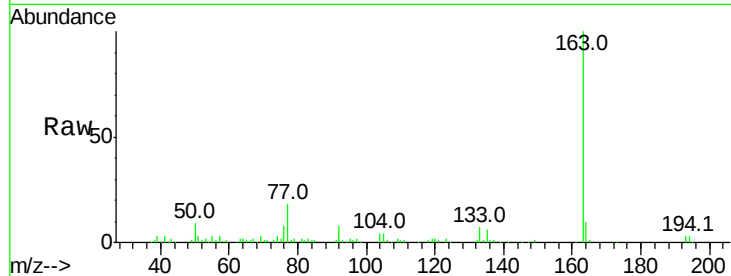




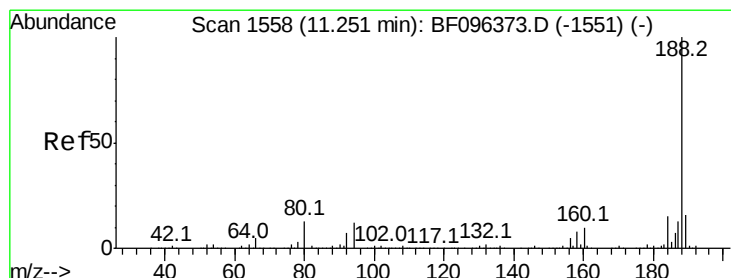
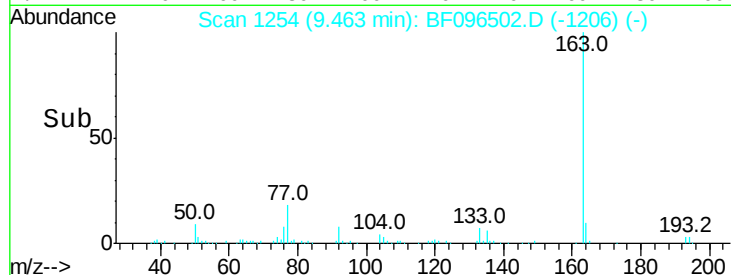
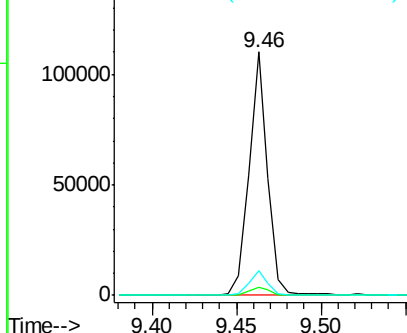
#49
Dimethylphthalate
Concen: 6.07 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 84224
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.0 8.4 12.6

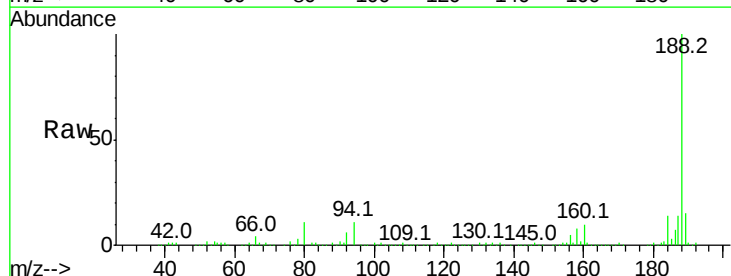


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

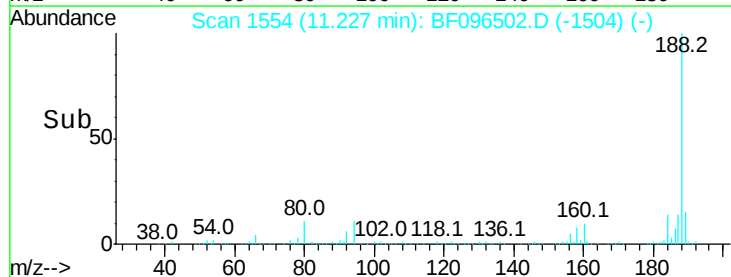
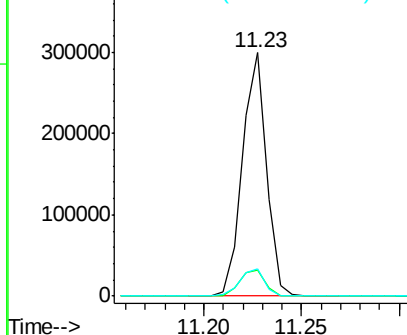


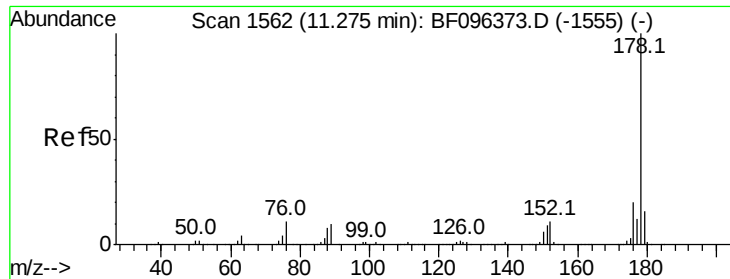
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Tgt Ion:188 Resp: 255668
Ion Ratio Lower Upper
188 100
94 10.8 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

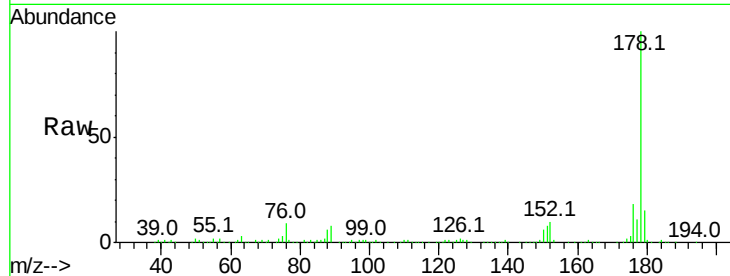




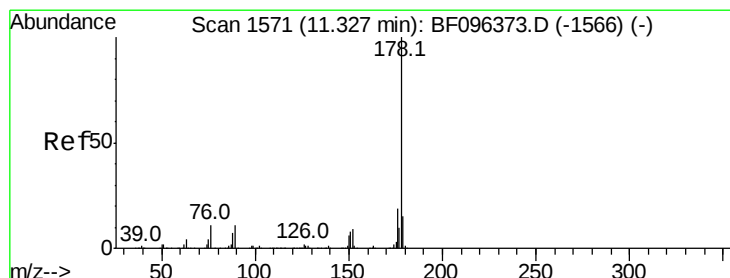
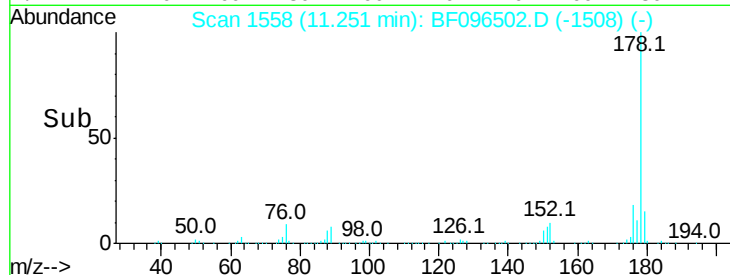
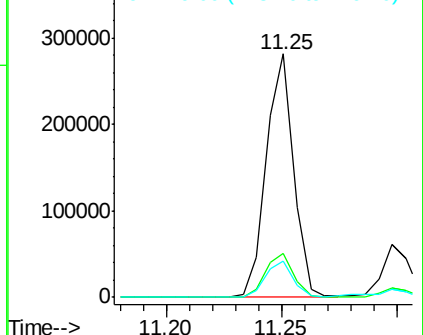
#70
Phenanthrene
Concen: 16.80 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 232218
Ion Ratio Lower Upper
178 100
176 18.3 16.2 24.4
179 14.7 12.6 19.0

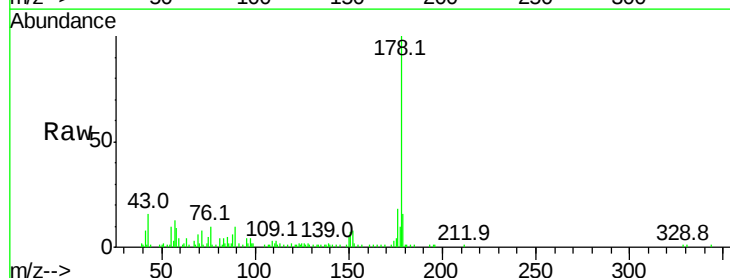


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

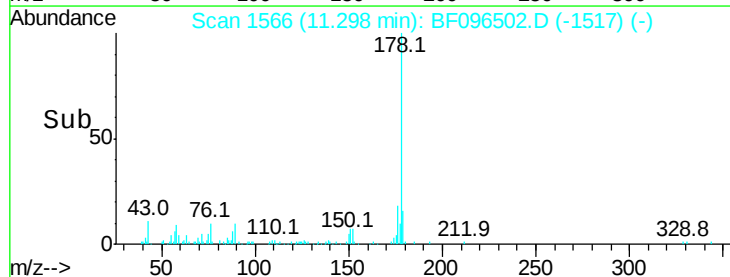
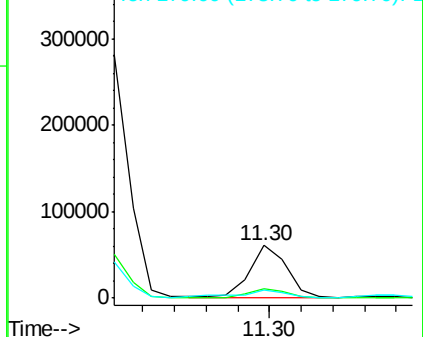


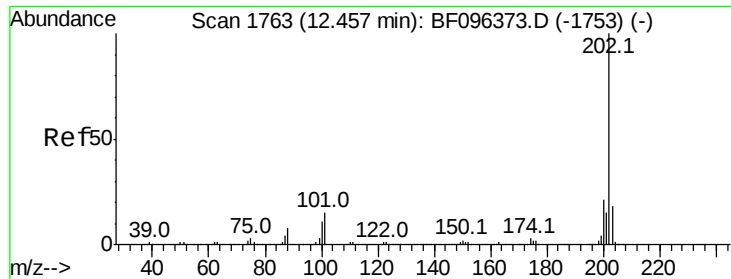
#71
Anthracene
Concen: 3.45 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Tgt Ion:178 Resp: 48564
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 16.2 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: 24.81 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF096502.D

Acq: 6 Jul 2017 00:35

Instrument :

BNA_F

ClientSampled :

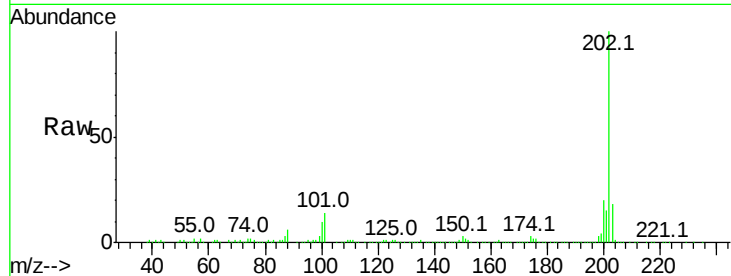
Tot Ion:202 Resp: 336188

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

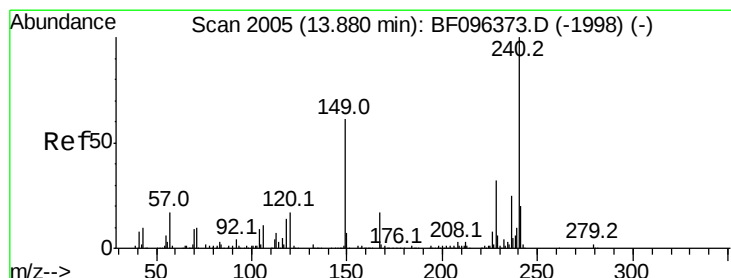
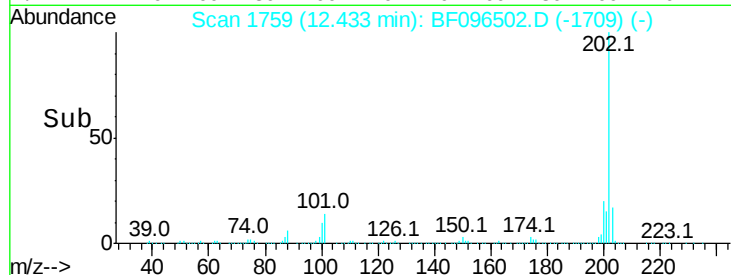
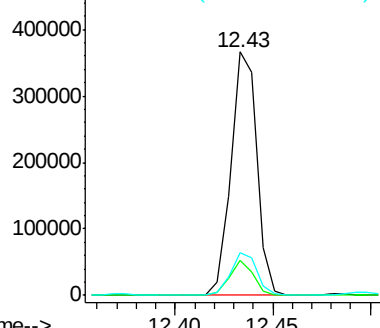
203 17.6 0.0 38.1



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096502.D

Acq: 6 Jul 2017 00:35

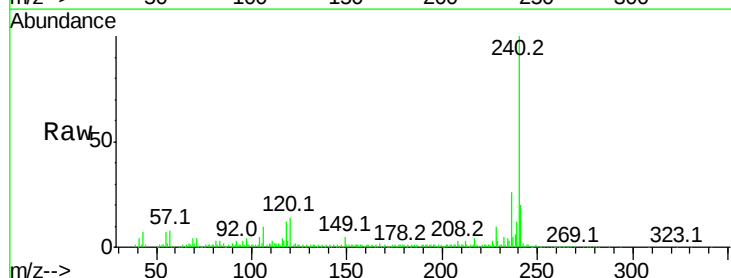
Tgt Ion:240 Resp: 237421

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

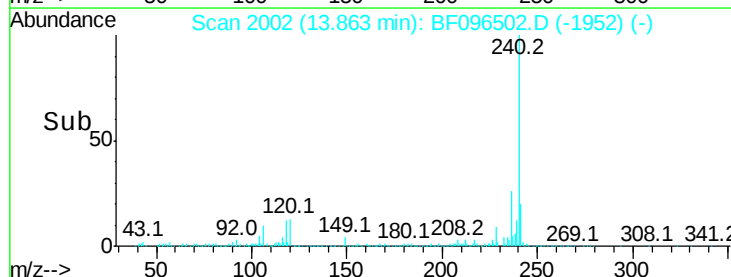
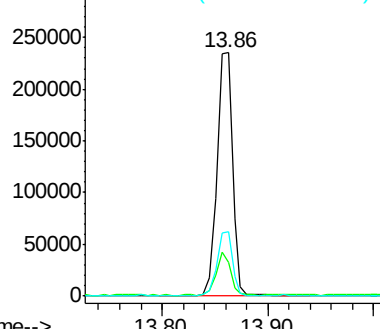
236 26.3 20.5 30.7

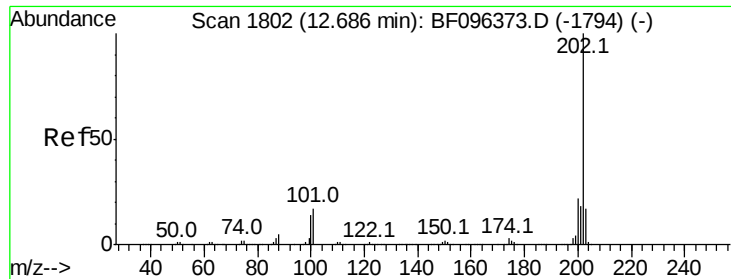


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

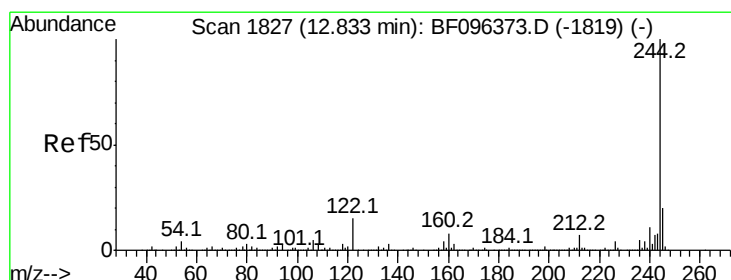
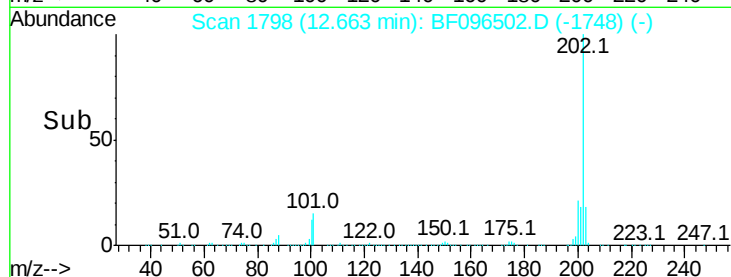
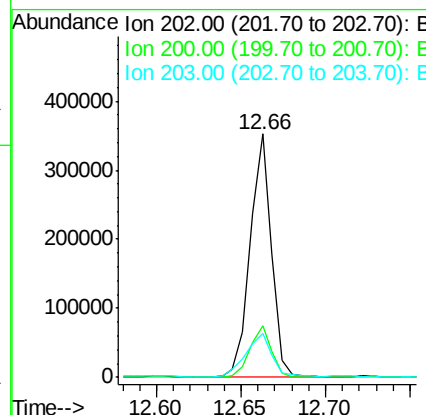
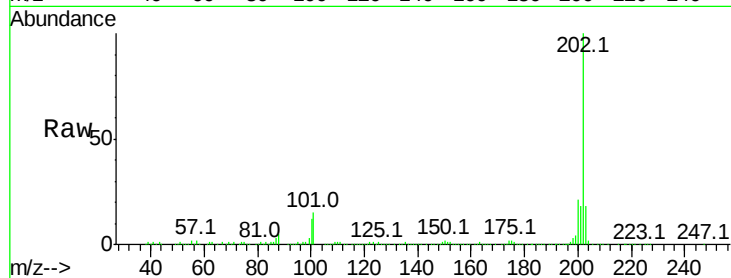




#77
Pvrene
Concen: 16.24 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

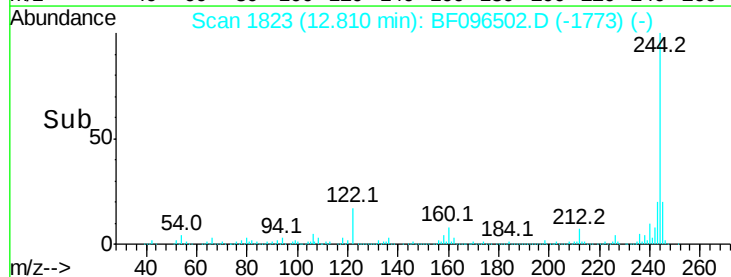
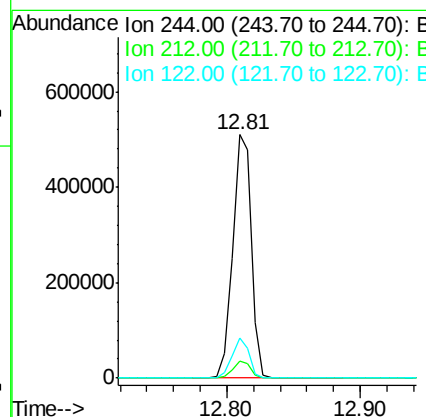
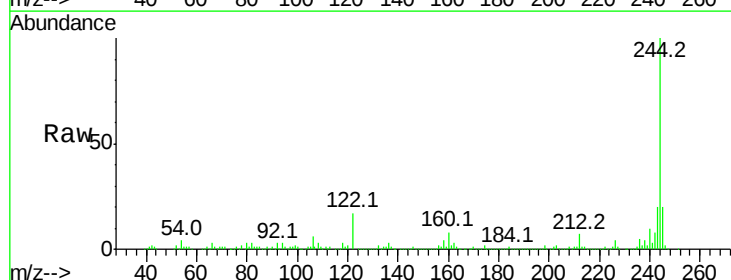
Instrument :
BNA_F
ClientSampleId :

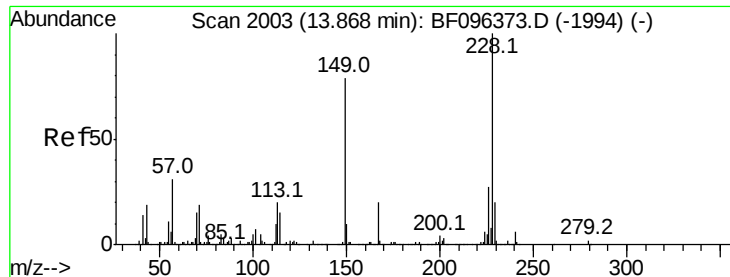
Tot Ion:202 Resp: 309573
Ion Ratio Lower Upper
202 100
200 21.3 17.6 26.4
203 17.9 14.4 21.6



#78
Terphenyl-d14
Concen: 45.17 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Tgt Ion:244 Resp: 501868
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 16.6 10.3 15.5#

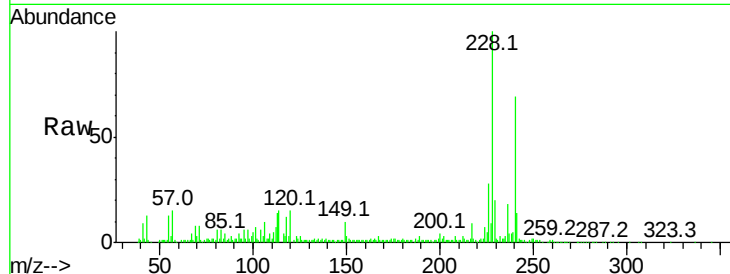




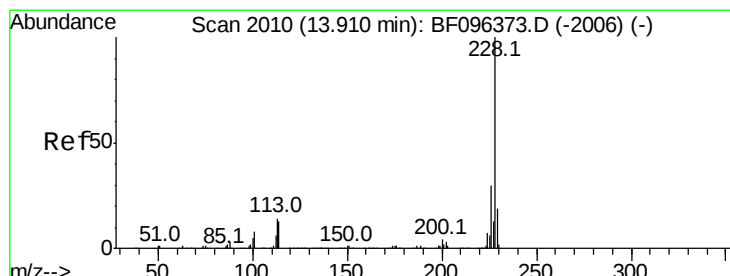
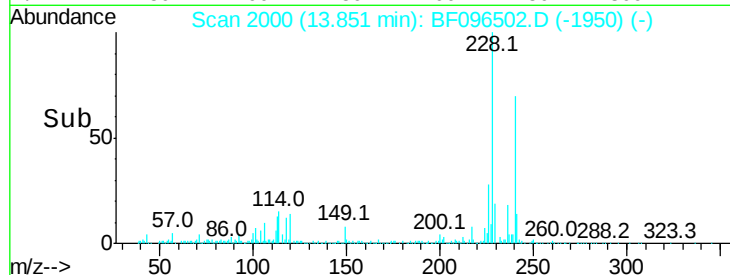
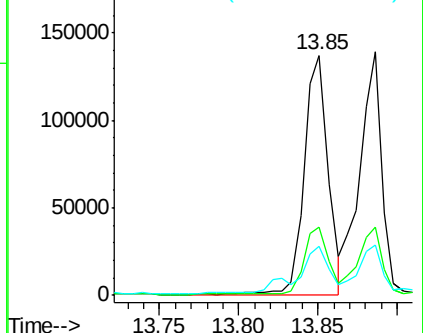
#80
Benzo(a)anthracene
Concen: 10.38 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 142770
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 20.3 16.3 24.5

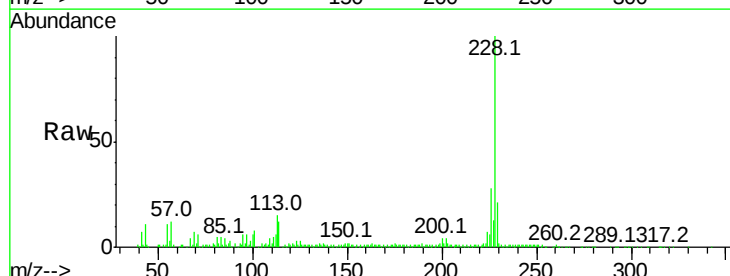


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

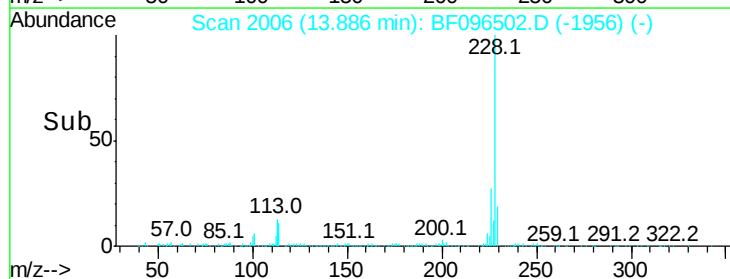
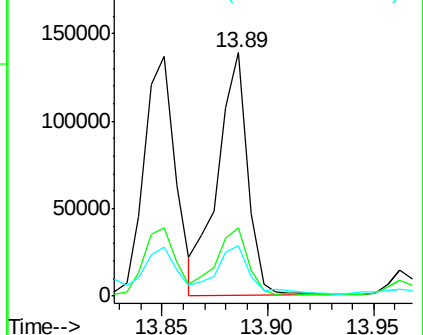


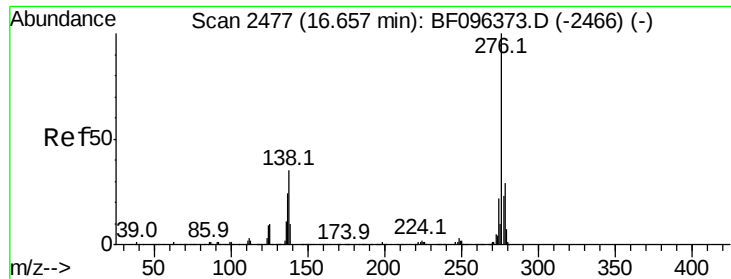
#82
Chrysene
Concen: 9.45 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Tgt Ion:228 Resp: 136118
Ion Ratio Lower Upper
228 100
226 28.1 24.9 37.3
229 20.7 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

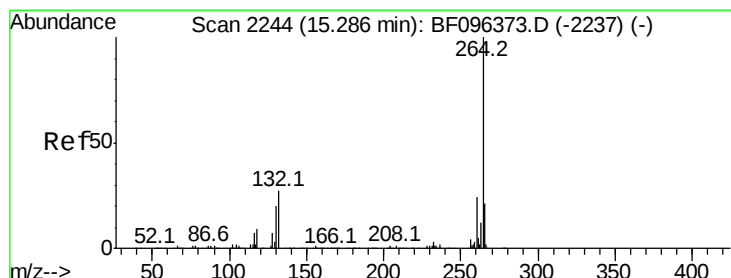
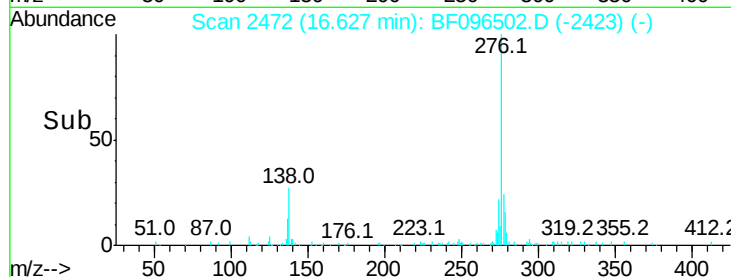
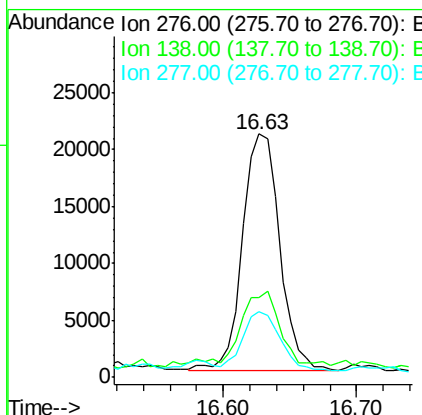
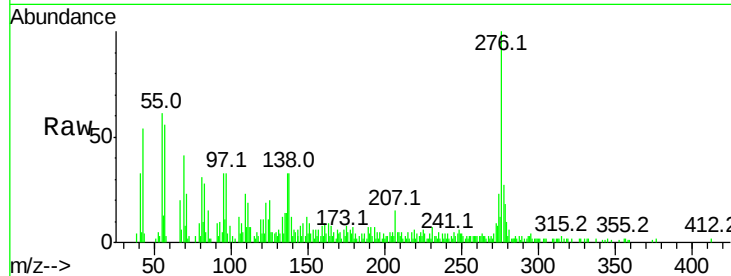




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.52 ng
 RT: 16.63 min Scan# 2472
 Delta R.T. -0.01 min
 Lab File: BF096502.D
 Acq: 6 Jul 2017 00:35

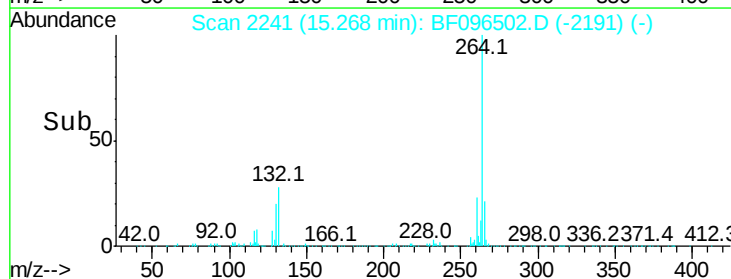
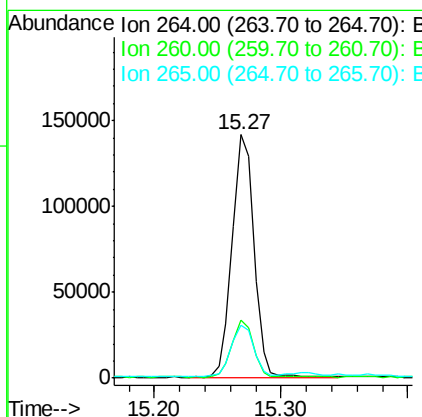
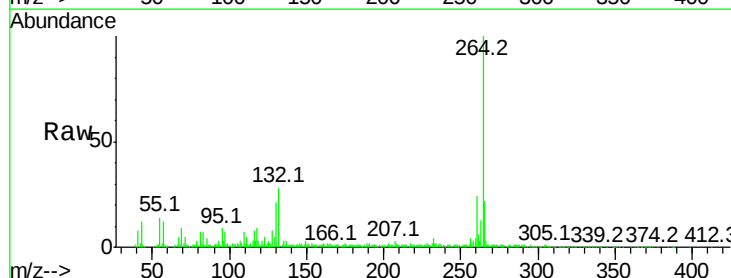
Instrument :
 BNA_F
 ClientSampleId :

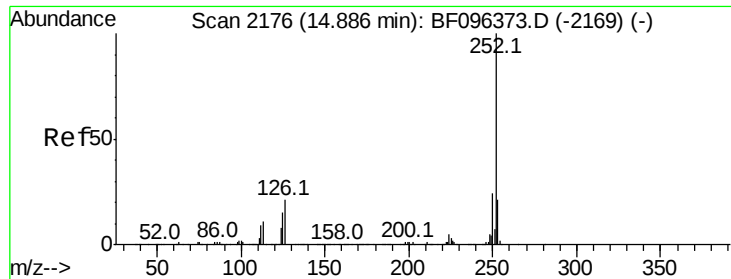
Tot Ion	Ratio	Lower	Upper
276	100		
138	35.5	27.8	41.6
277	25.1	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF096502.D
 Acq: 6 Jul 2017 00:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.9	17.2	25.8

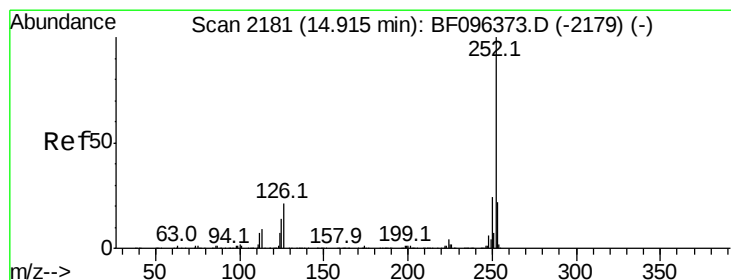
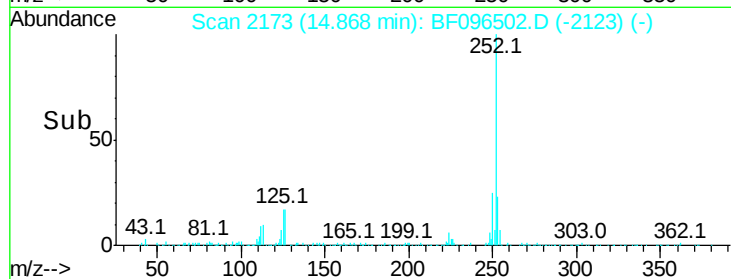
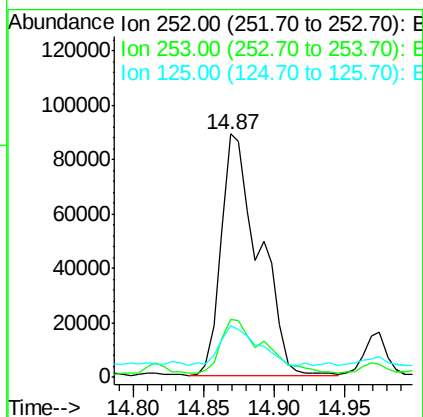
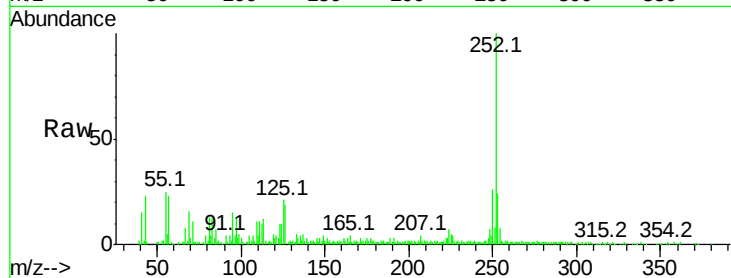




#87
Benzo(b)fluoranthene
Concen: 15.83 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

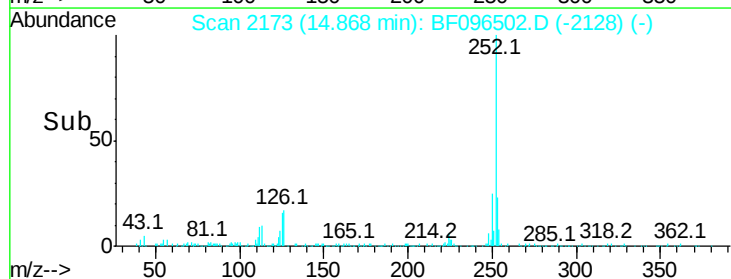
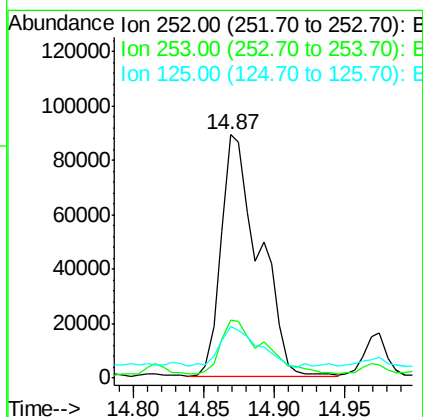
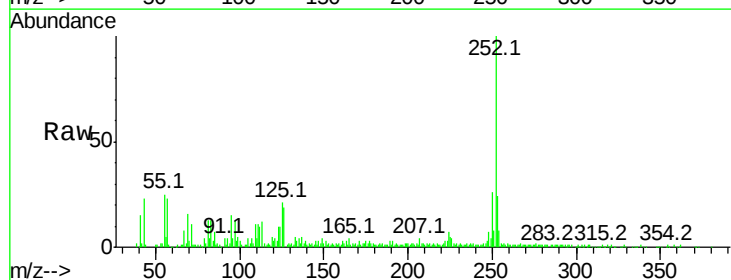
Instrument :
BNA_F
ClientSampleId :

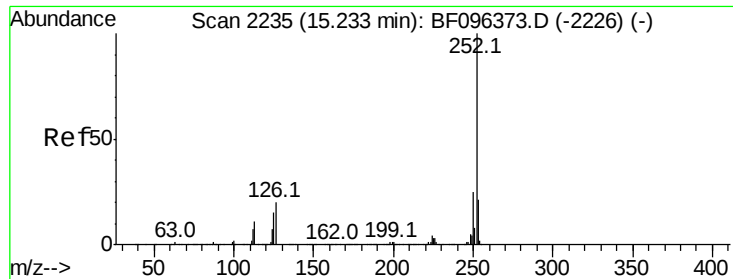
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	21.1	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 17.70 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	21.1	13.1	19.7#

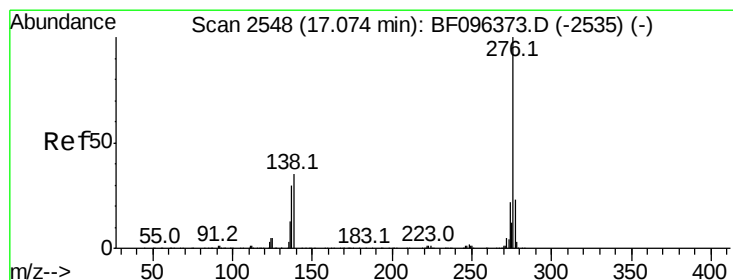
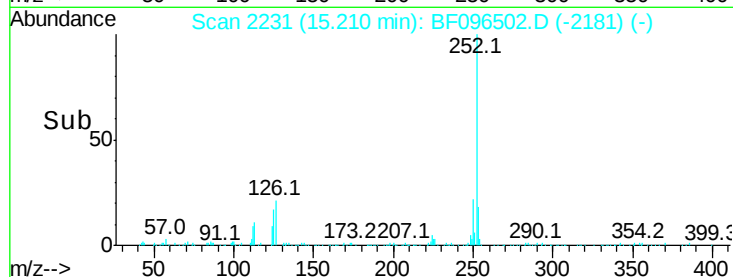
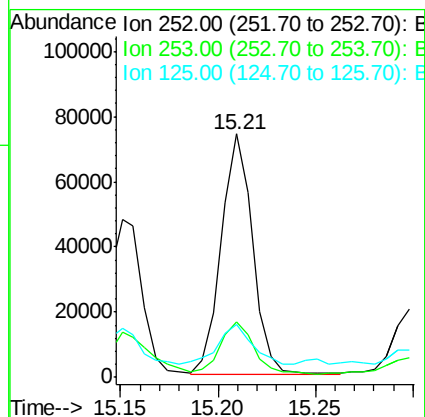
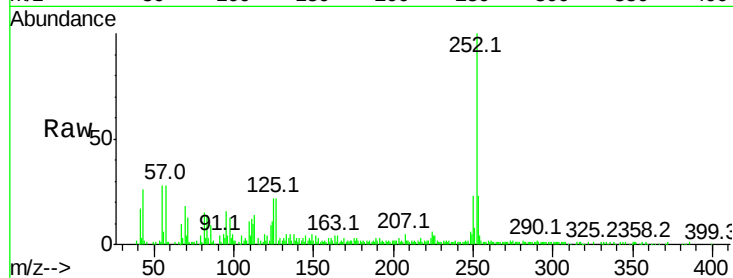




#89
Benzo(a)pyrene
Concen: 8.75 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 82024
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 21.7 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 5.15 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF096502.D
Acq: 6 Jul 2017 00:35

Tgt Ion:276 Resp: 39376
Ion Ratio Lower Upper
276 100
277 26.5 18.6 28.0
138 36.2 25.4 38.0

