

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070217\
 Data File : BF096428.D
 Acq On : 2 Jul 2017 20:50
 Operator : SJ/MA
 Sample : I3950-08 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 04:35:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	161155	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	568602	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	211082	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	342588	20.00	ng	0.00
75) Chrysene-d12	13.88	240	224995	20.00	ng	0.00
86) Perylene-d12	15.29	264	162864	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	200618	18.37	ng	0.00
7) Phenol-d6	6.36	99	242608	18.07	ng	-0.01
23) Nitrobenzene-d5	7.29	82	137568	14.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	31878	19.33	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	252253	20.43	ng	0.00
78) Terphenyl-d14	12.83	244	152950	14.53	ng	0.00

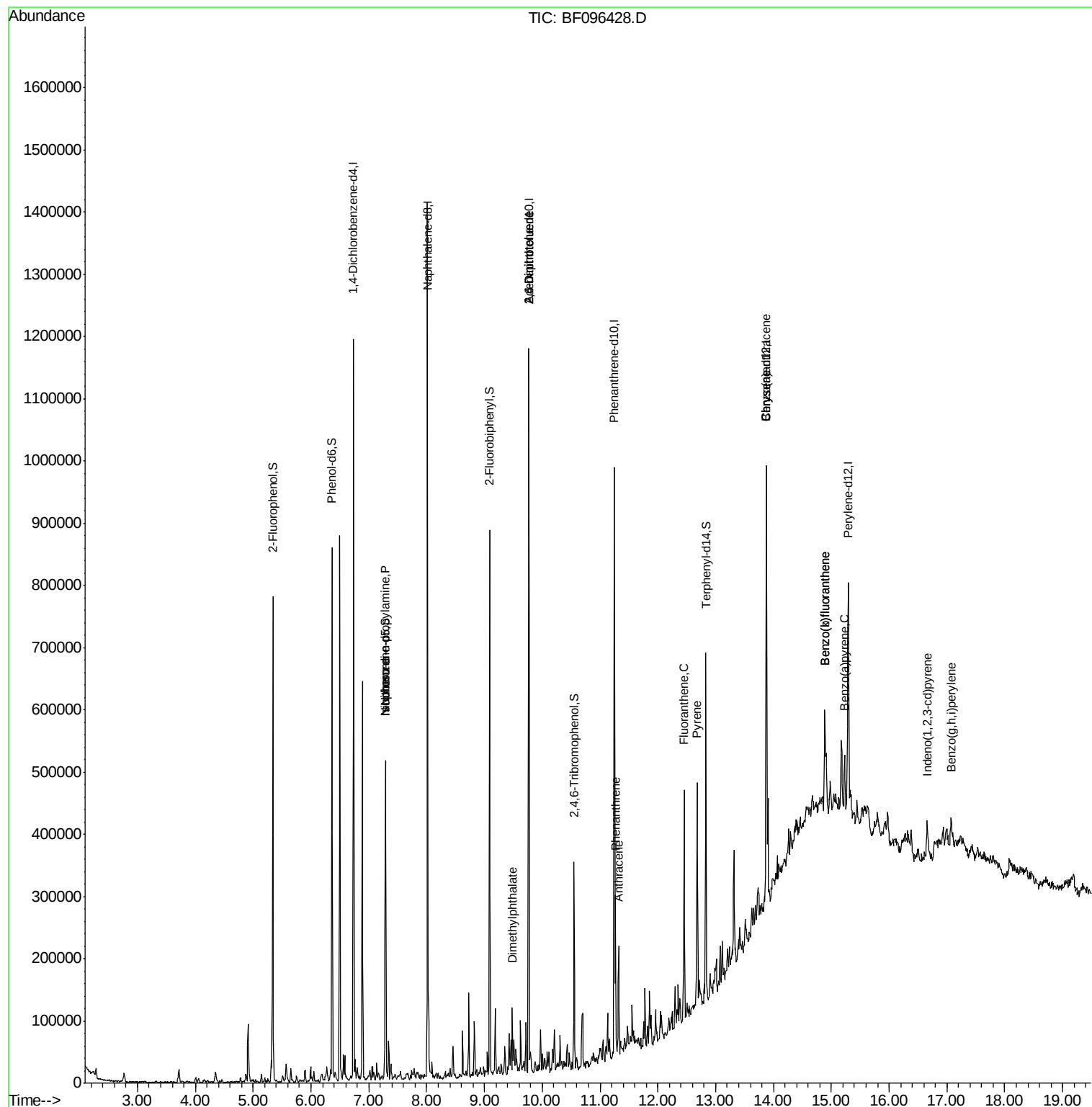
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	18787	2.35	ng	# 87
25) Isophorone	7.29	82	136967	7.47	ng	# 67
49) Dimethylphthalate	9.49	163	36228	2.30	ng	# 99
50) 2,6-Dinitrotoluene	9.77	165	28250	8.11	ng	# 33
56) 2,4-Dinitrotoluene	9.77	165	28250	6.40	ng	# 33
70) Phenanthrene	11.27	178	81134	4.38	ng	97
71) Anthracene	11.32	178	57745	3.06	ng	98
74) Fluoranthene	12.46	202	136497	7.52	ng	97
77) Pyrene	12.68	202	139597	7.73	ng	98
80) Benzo(a)anthracene	13.87	228	60112	4.61	ng	93
82) Chrysene	13.87	228	60112	4.41	ng	96
85) Indeno(1,2,3-cd)pyrene	16.66	276	30503	2.83	ng	98
87) Benzo(b)fluoranthene	14.89	252	109432	10.72	ng	# 92
88) Benzo(k)fluoranthene	14.89	252	109432	11.99	ng	96
89) Benzo(a)pyrene	15.23	252	41708	4.58	ng	# 88
91) Benzo(g,h,i)perylene	17.07	276	28025	3.77	ng	94

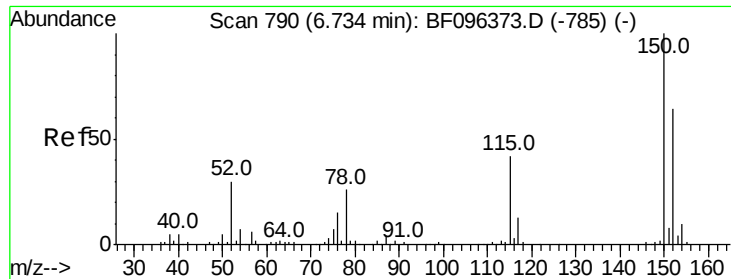
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070217\
Data File : BF096428.D
Acq On : 2 Jul 2017 20:50
Operator : SJ/MA
Sample : I3950-08 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 03 04:35:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration



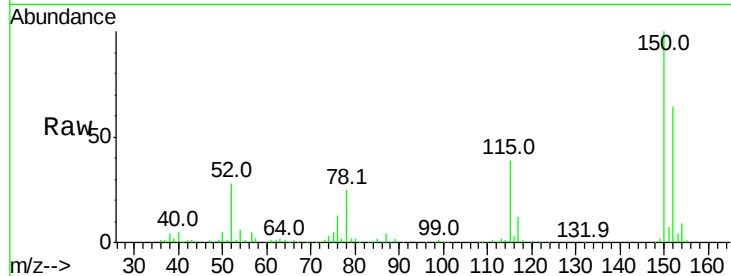


#1

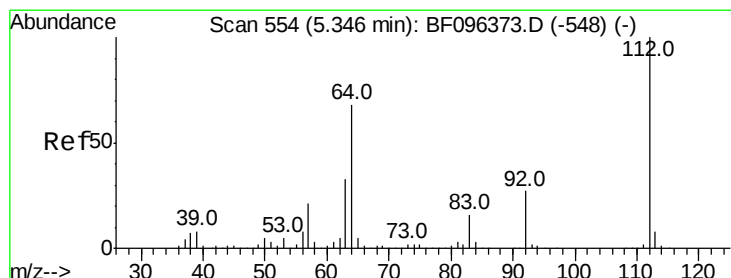
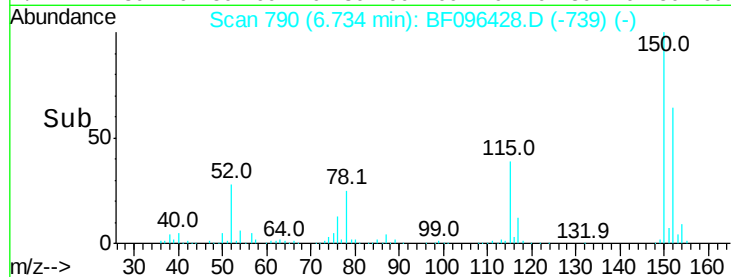
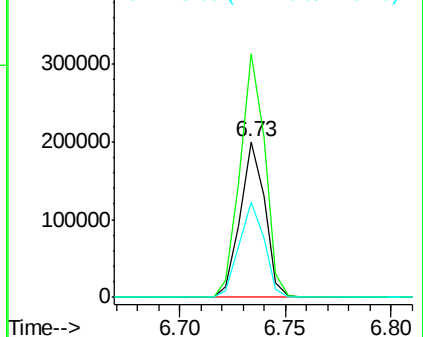
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF096428.D
Acq: 2 Jul 2017 20:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 161155
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 61.5 52.2 78.2



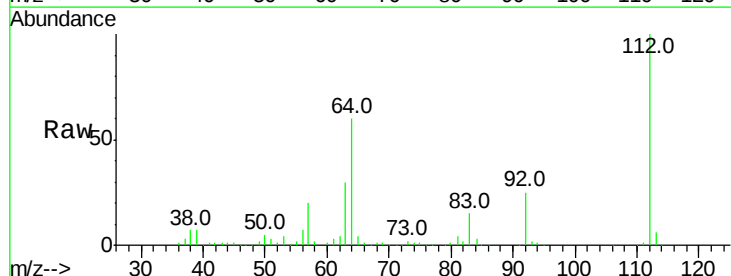
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



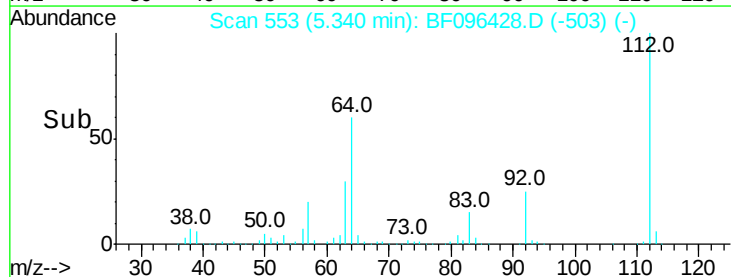
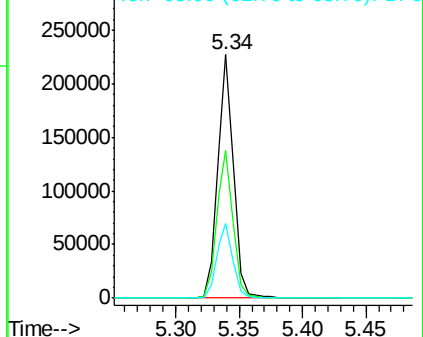
#5

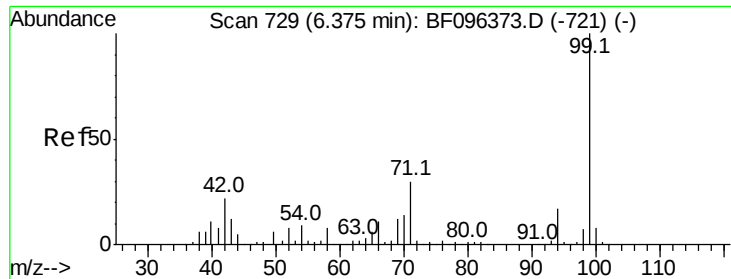
2-Fluorophenol
Concen: 18.37 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF096428.D
Acq: 2 Jul 2017 20:50

Tgt Ion:112 Resp: 200618
Ion Ratio Lower Upper
112 100
64 60.4 46.0 69.0
63 30.4 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: 18.07 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

Instrument :

BNA_F

ClientSampled :

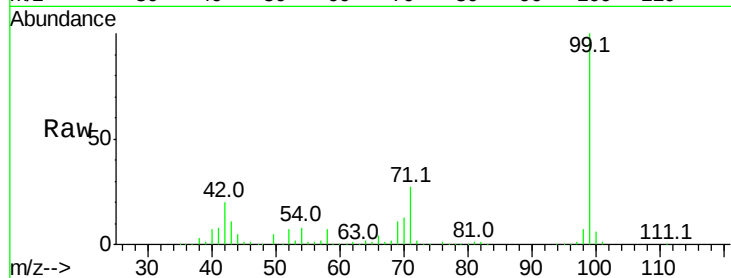
Tot Ion: 99 Resp: 242608

Ion Ratio Lower Upper

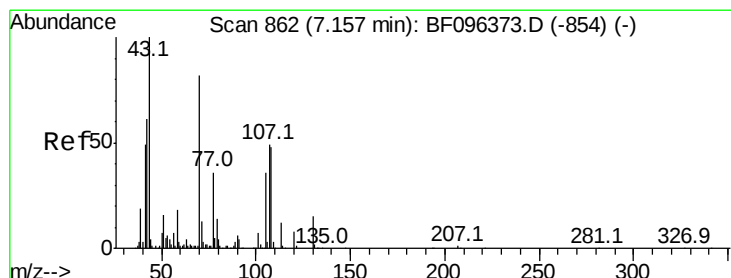
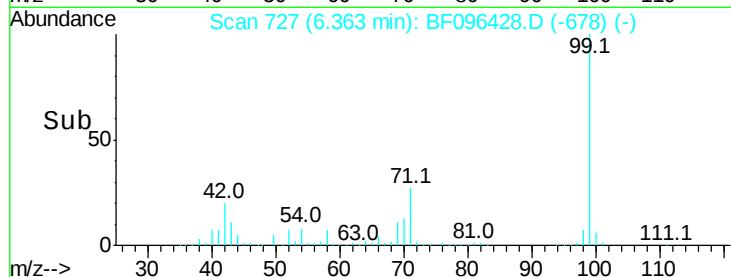
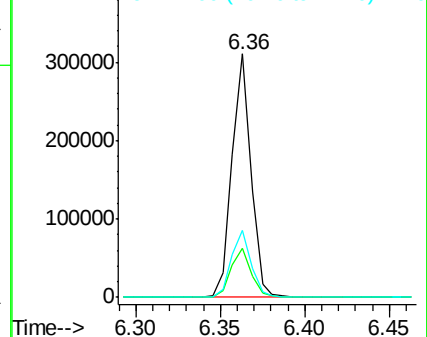
99 100

42 20.4 13.5 20.3#

71 27.3 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.35 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

Tgt Ion: 70 Resp: 18787

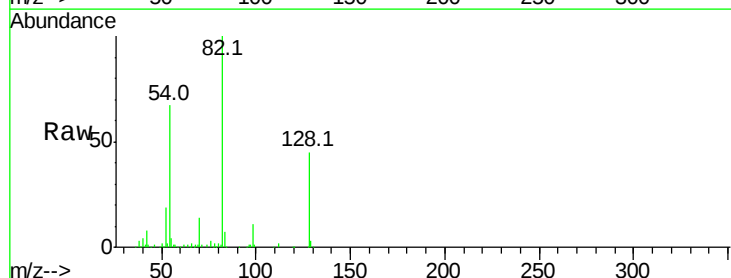
Ion Ratio Lower Upper

70 100

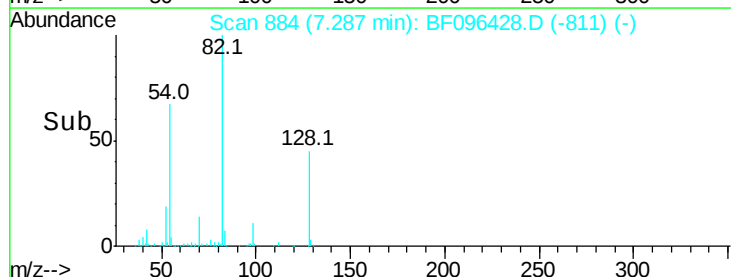
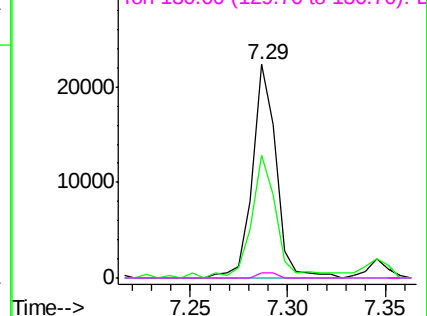
42 57.6 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 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

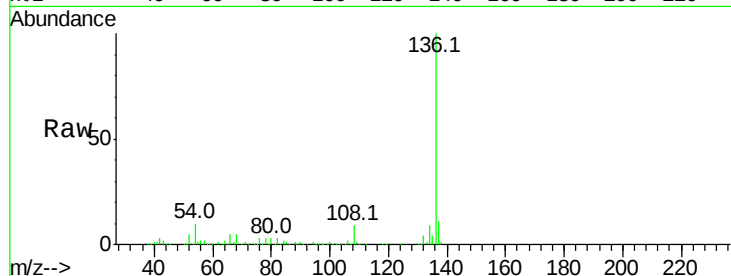




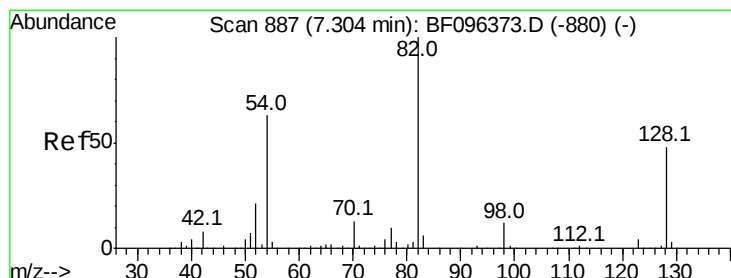
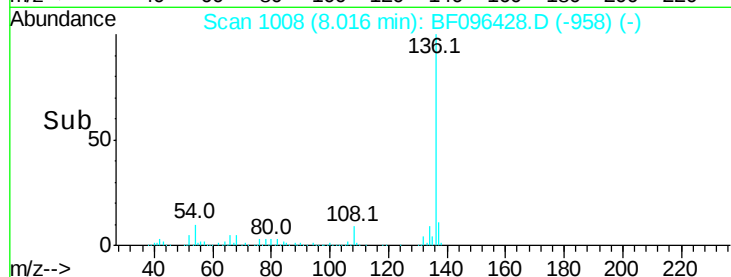
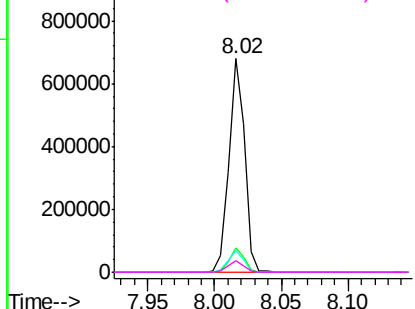
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF096428.D
Acq: 2 Jul 2017 20:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	568602
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	10.4	4.9	7.3#
68	5.4	4.1	6.1

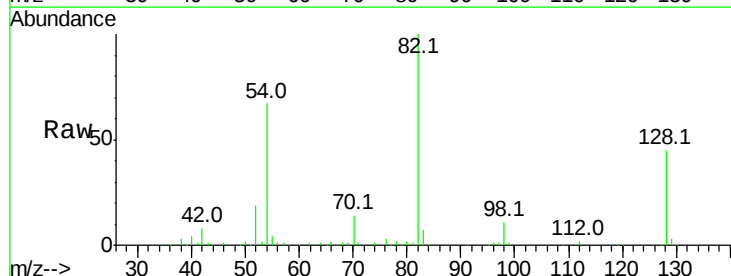


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

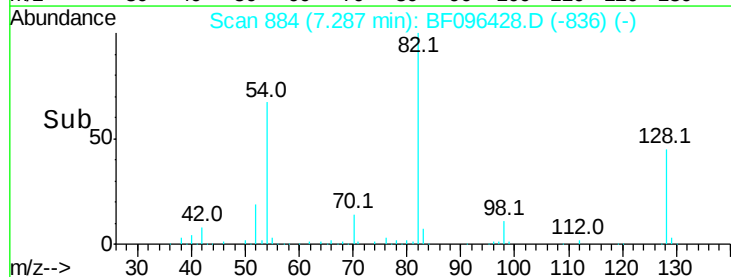
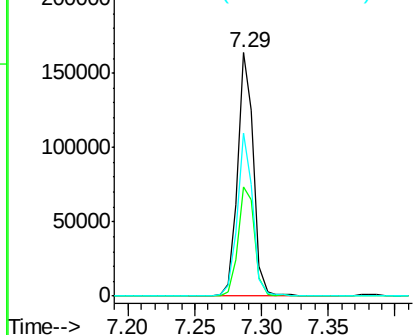


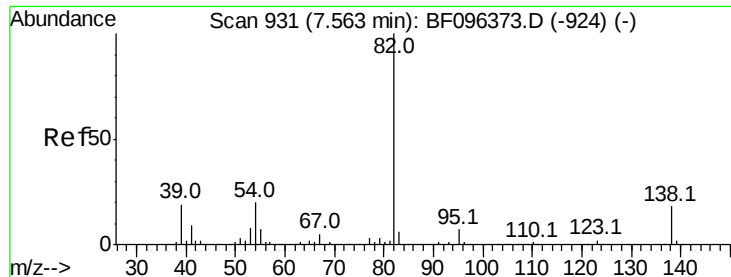
#23
Nitrobenzene-d5
Concen: 14.54 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF096428.D
Acq: 2 Jul 2017 20:50

Tgt Ion:	82	Resp:	137568
Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.0	51.0
54	67.0	42.2	63.2#



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





#25

Isophorone

Concen: 7.47 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

Instrument :

BNA_F

ClientSampled :

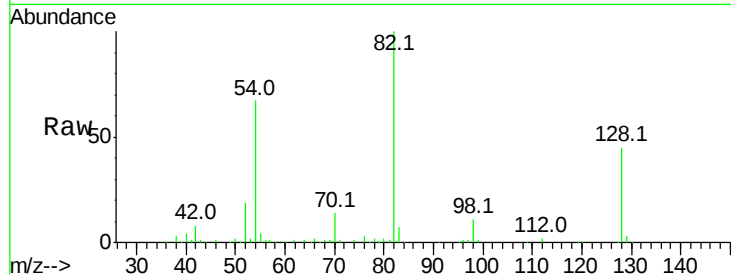
Tot Ion: 82 Resp: 136967

Ion Ratio Lower Upper

82 100

95 0.4 5.3 7.9#

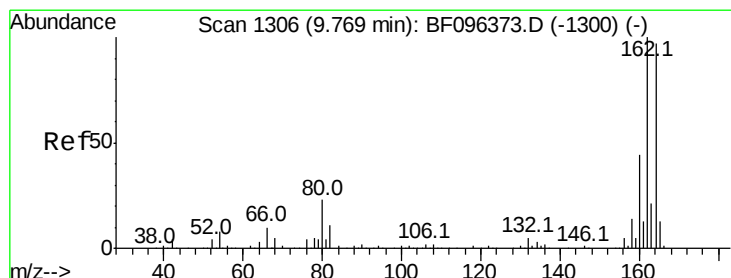
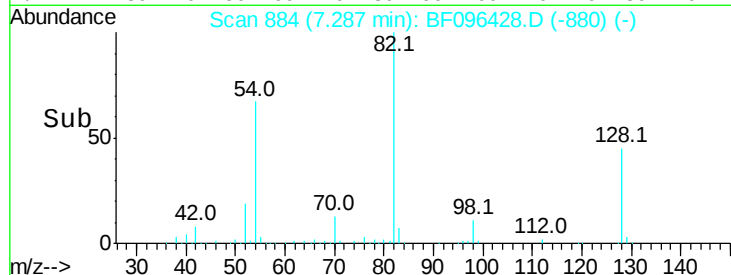
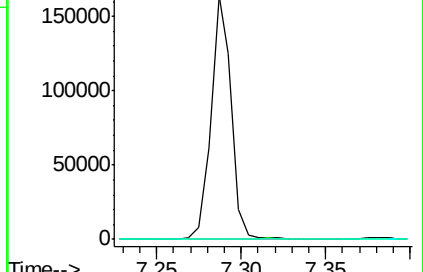
138 0.0 13.1 19.7#



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: 9.77 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

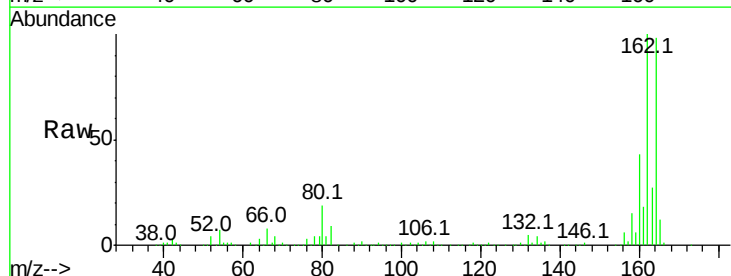
Tgt Ion:164 Resp: 211082

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

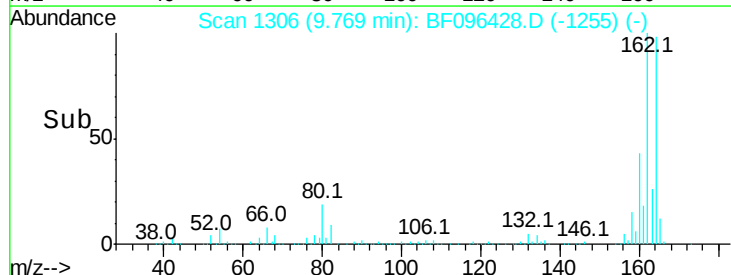
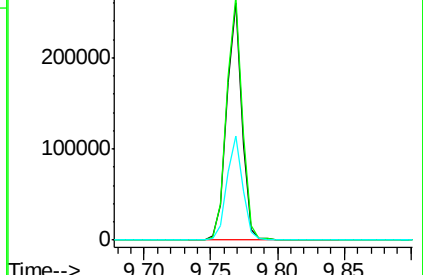
160 44.0 36.2 54.2



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

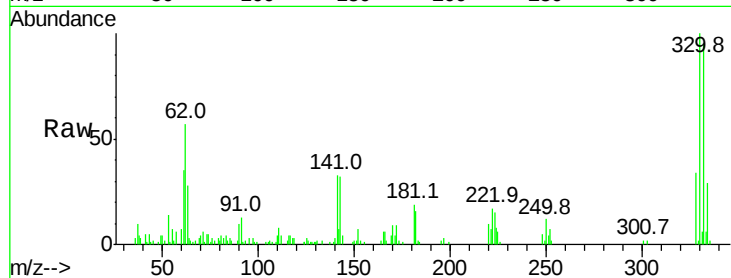




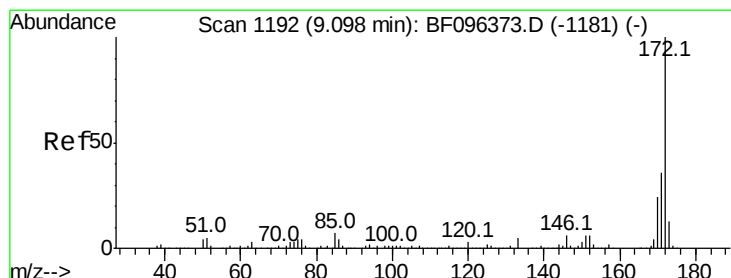
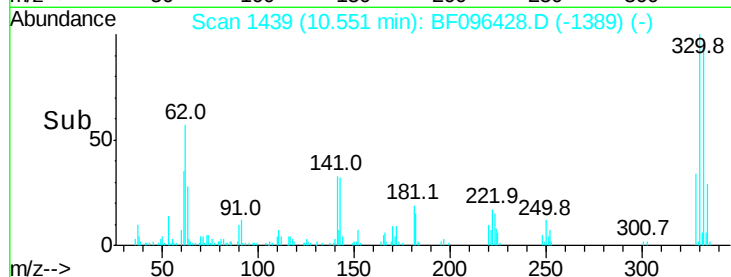
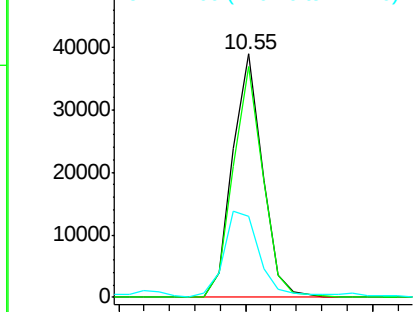
#41
 2,4,6-Tribromophenol
 Concen: 19.33 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096428.D
 Acq: 2 Jul 2017 20:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 31878
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.6 115.0
 141 43.6 31.4 47.2

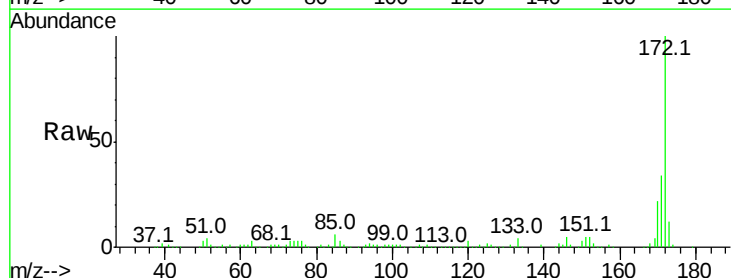


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

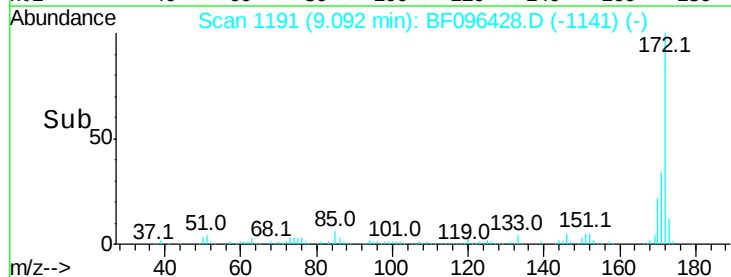
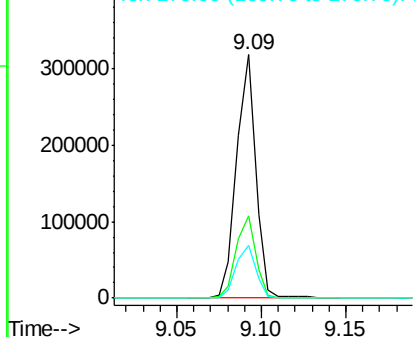


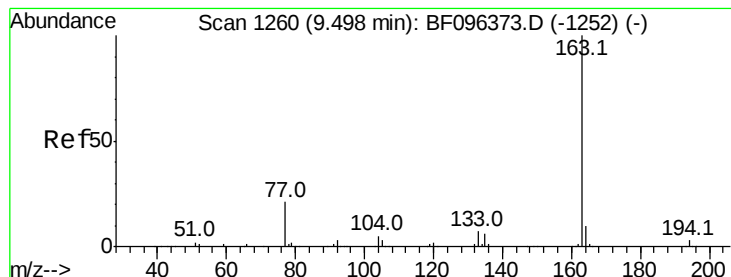
#44
 2-Fluorobiphenyl
 Concen: 20.43 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096428.D
 Acq: 2 Jul 2017 20:50

Tgt Ion:172 Resp: 252253
 Ion Ratio Lower Upper
 172 100
 171 33.6 29.6 44.4
 170 21.8 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: 2.30 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

Instrument :

BNA_F

ClientSampled :

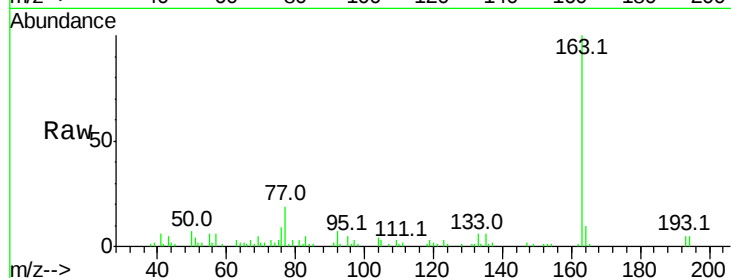
Tot Ion:163 Resp: 36228

Ion Ratio Lower Upper

163 100

194 4.5 2.6 4.0#

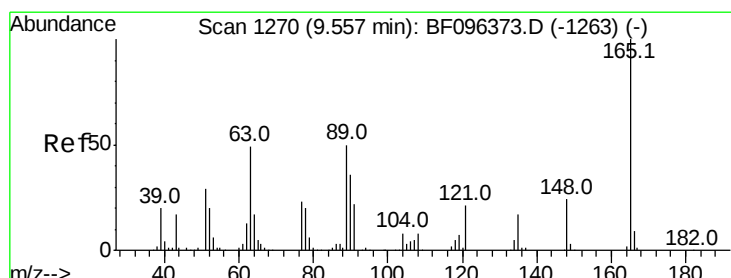
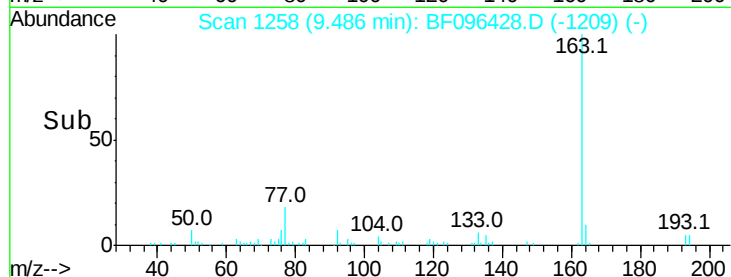
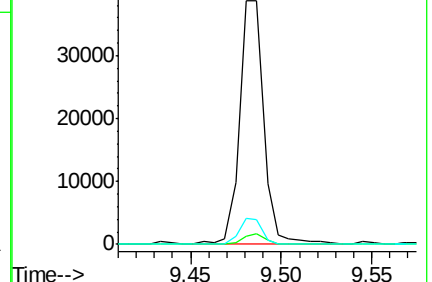
164 10.3 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 8.11 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.21 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

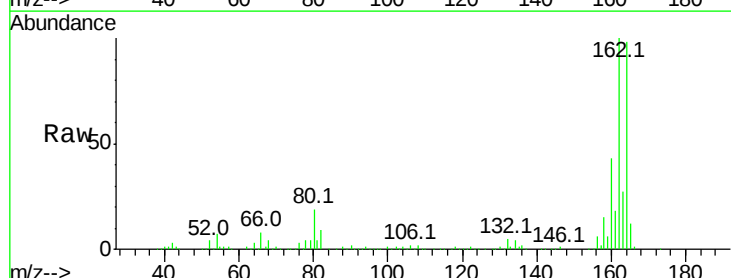
Tgt Ion:165 Resp: 28250

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

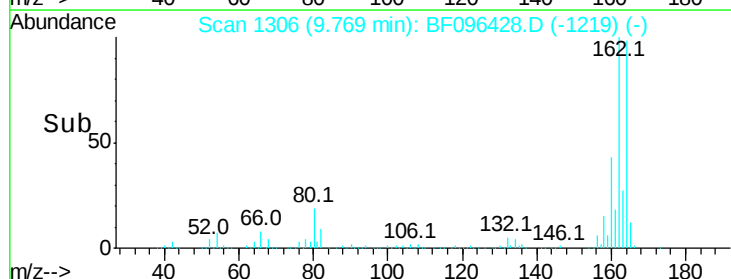
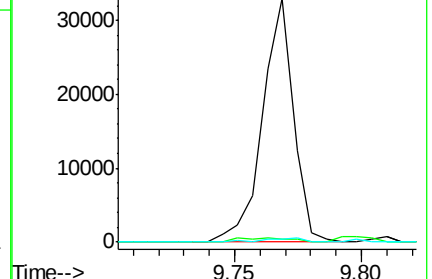
89 1.2 37.1 55.7#

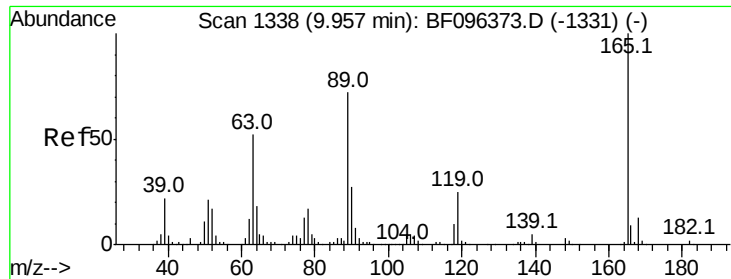


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

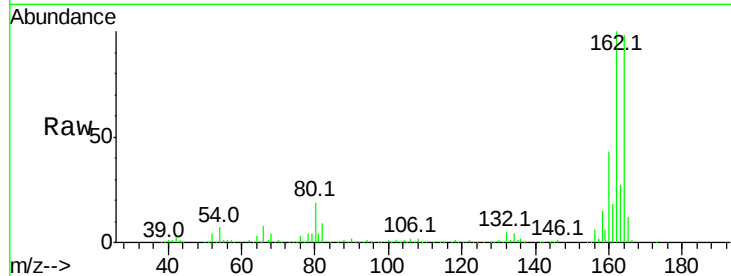




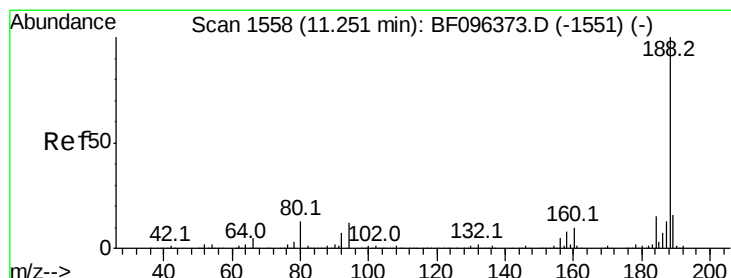
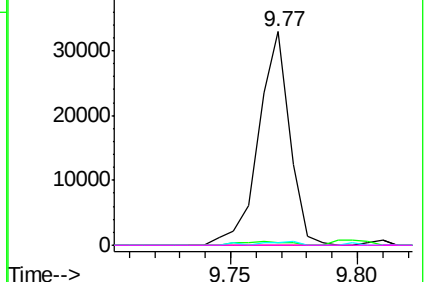
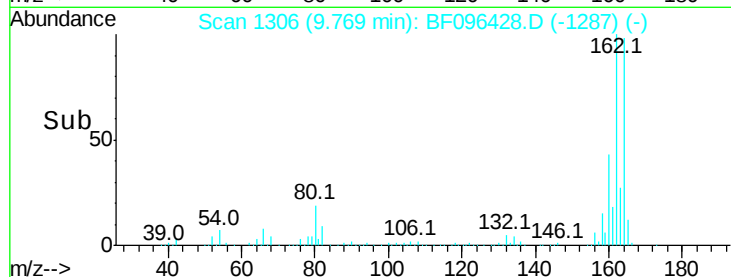
#56
 2,4-Dinitrotoluene
 Concen: 6.40 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.19 min
 Lab File: BF096428.D
 Acq: 2 Jul 2017 20:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 28250
 Ion Ratio Lower Upper
 165 100
 63 1.5 25.4 38.0#
 89 1.2 46.4 69.6#
 182 0.0 1.8 2.6#

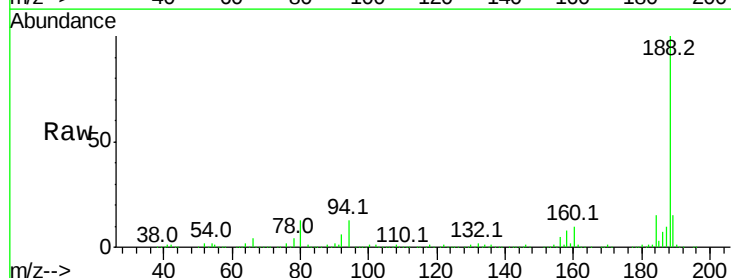


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

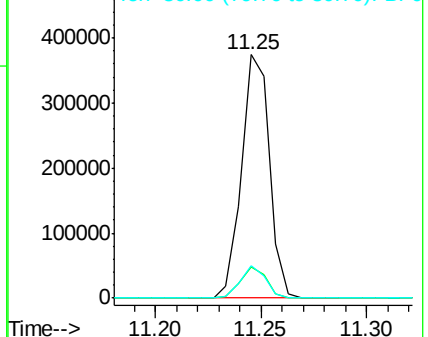
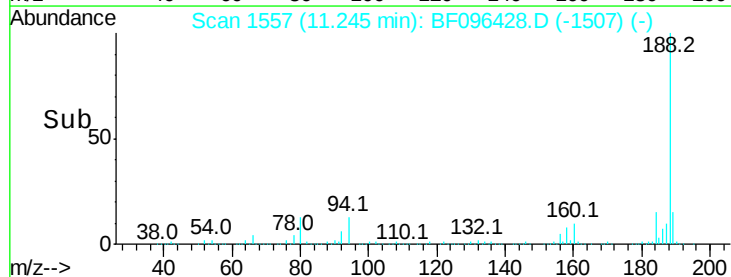


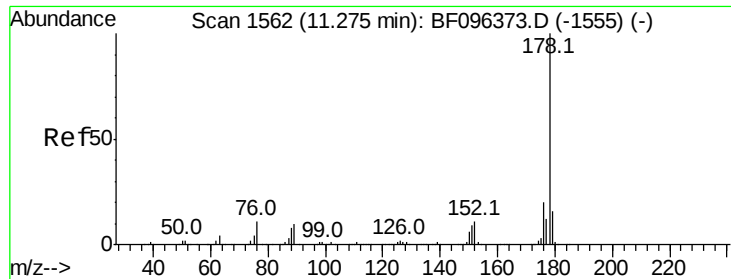
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF096428.D
 Acq: 2 Jul 2017 20:50

Tgt Ion:188 Resp: 342588
 Ion Ratio Lower Upper
 188 100
 94 12.6 9.4 14.2
 80 13.1 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: 4.38 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

Instrument :

BNA_F

ClientSampled :

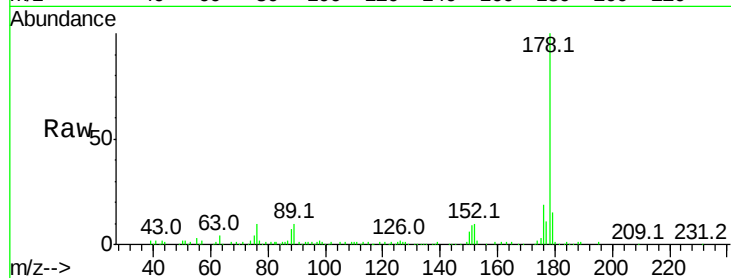
Tot Ion:178 Resp: 81134

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

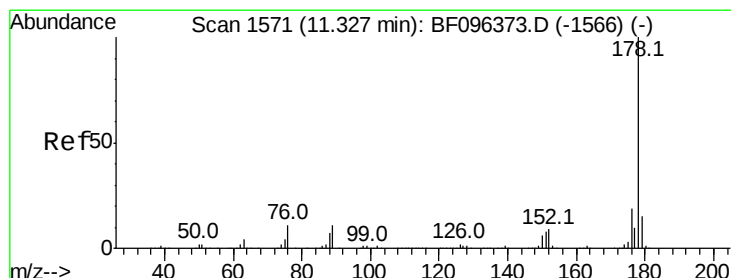
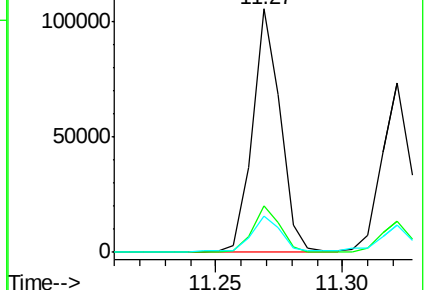
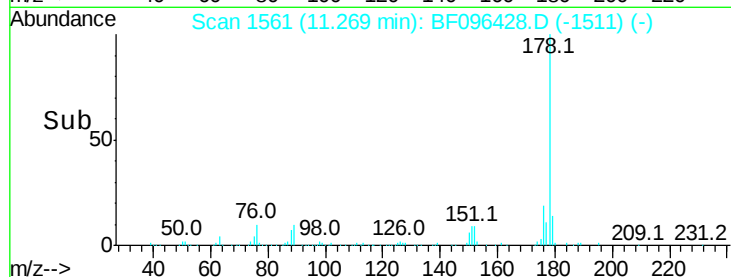
179 14.7 12.6 19.0



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: 3.06 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

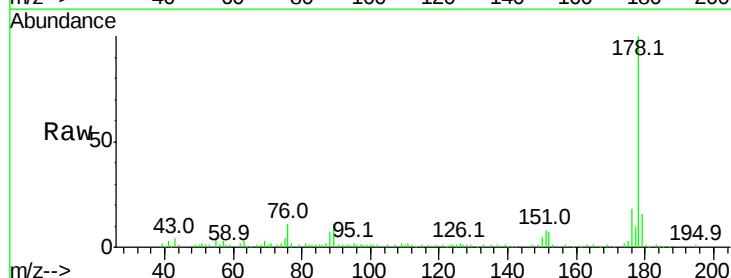
Tgt Ion:178 Resp: 57745

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

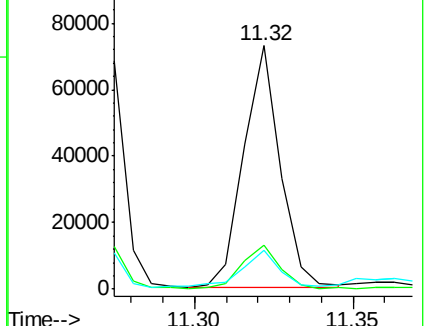
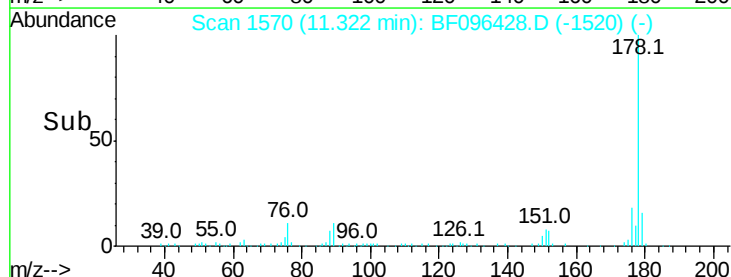
179 16.1 12.7 19.1

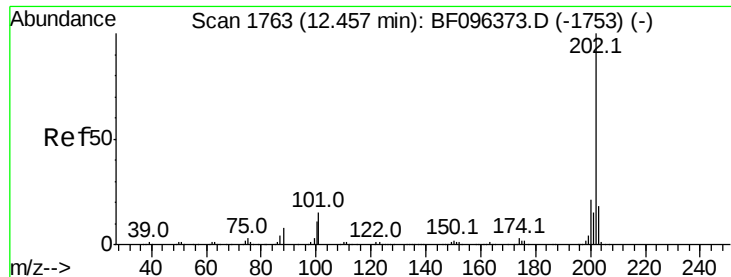


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

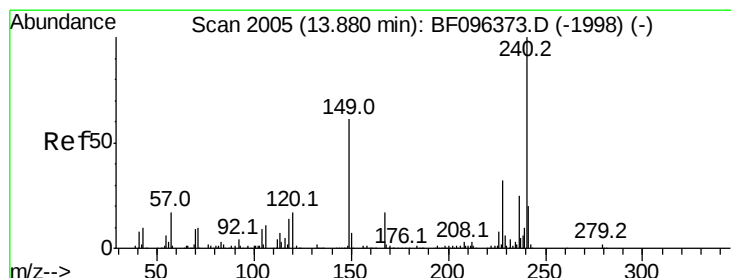
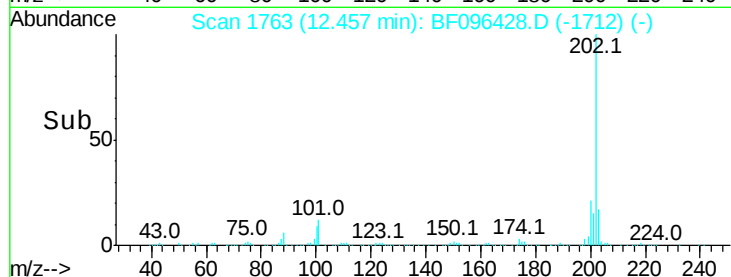
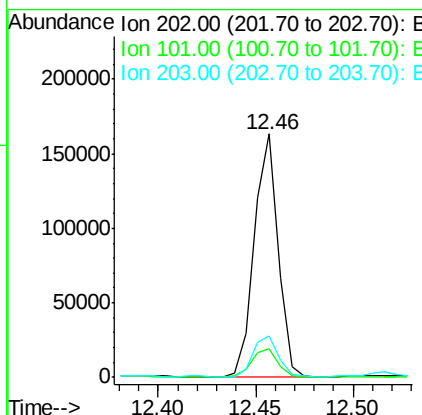
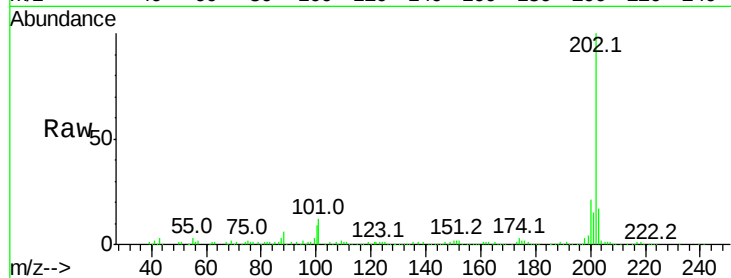




#74
Fluoranthene
Concen: 7.52 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.00 min
Lab File: BF096428.D
Acq: 2 Jul 2017 20:50

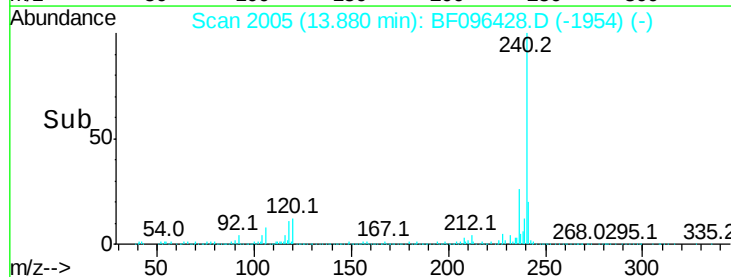
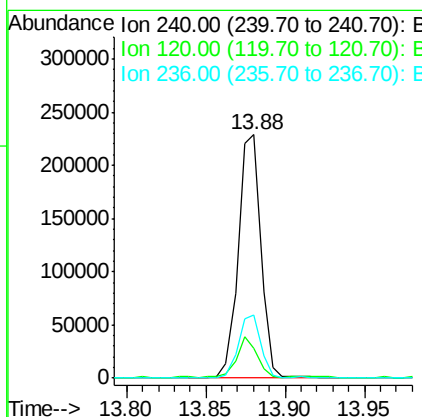
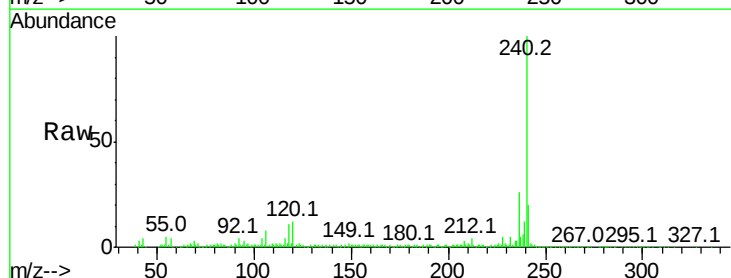
Instrument :
BNA_F
ClientSampleId :

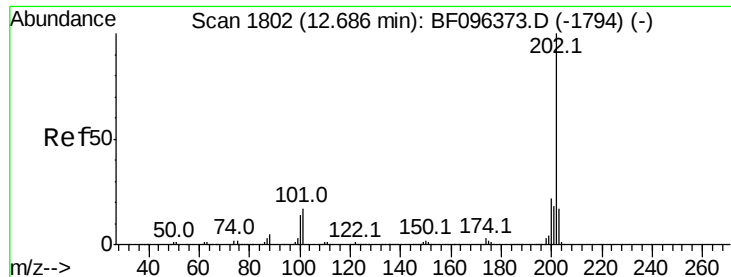
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.0	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BF096428.D
Acq: 2 Jul 2017 20:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	5.8	8.8#
236	25.8	20.5	30.7





#77

Pvrene

Concen: 7.73 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

Instrument :

BNA_F

ClientSampleId :

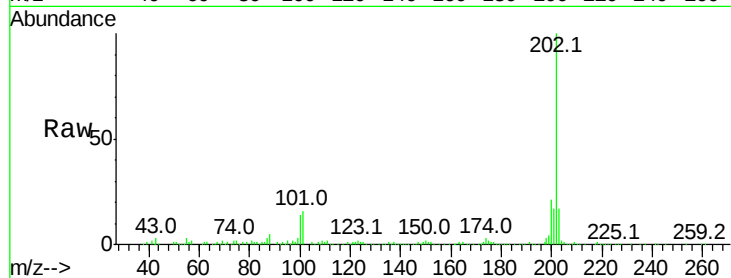
Tot Ion:202 Resp: 139597

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

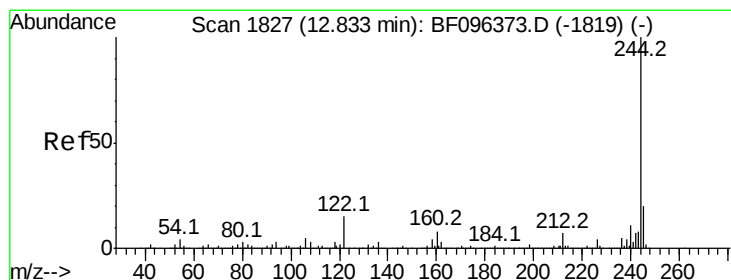
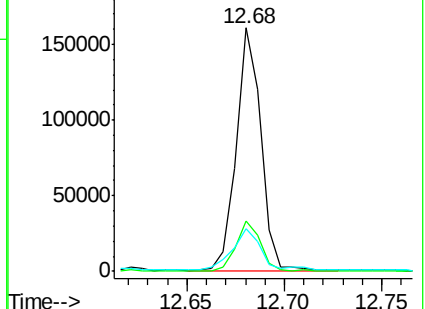
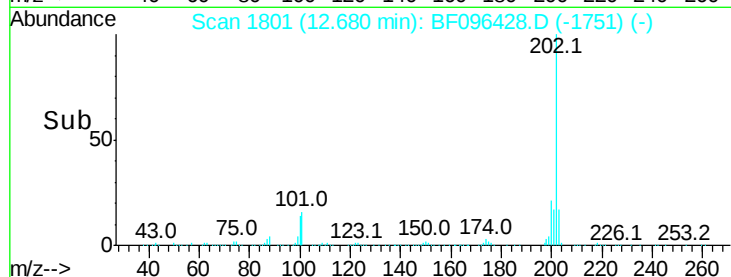
203 17.4 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 14.53 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

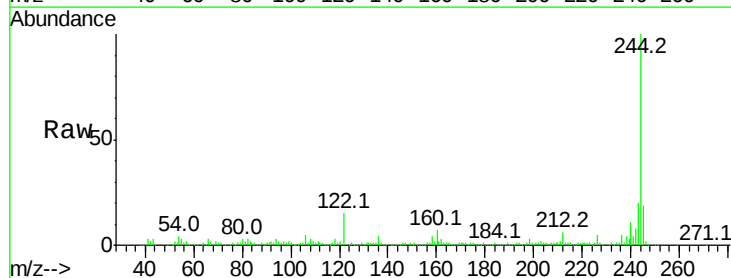
Tgt Ion:244 Resp: 152950

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

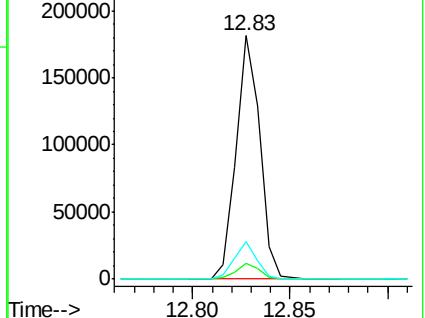
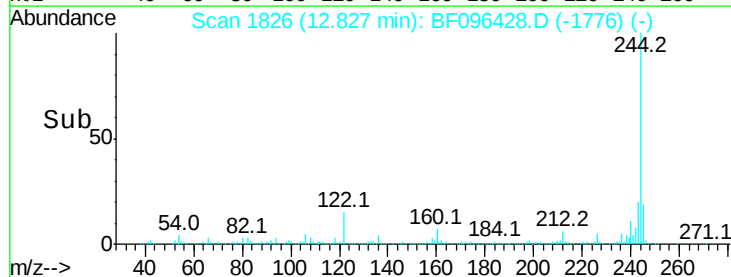
122 15.2 10.3 15.5

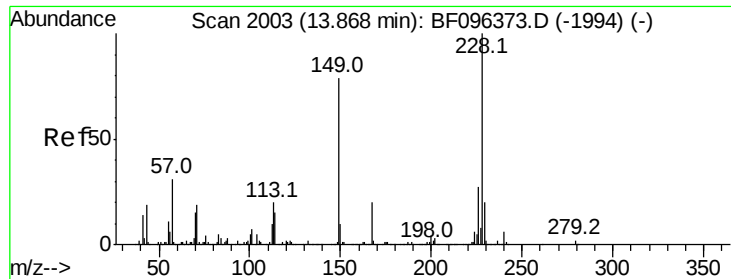


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

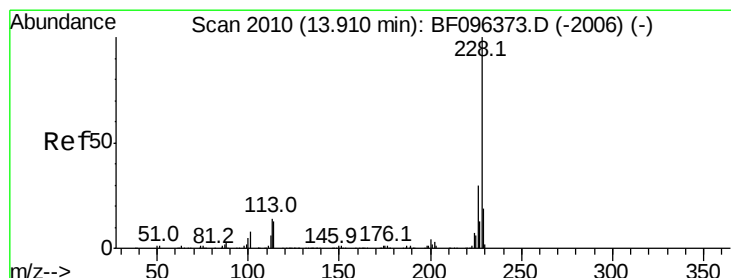
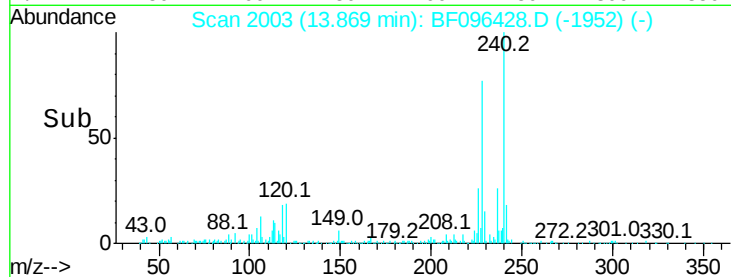
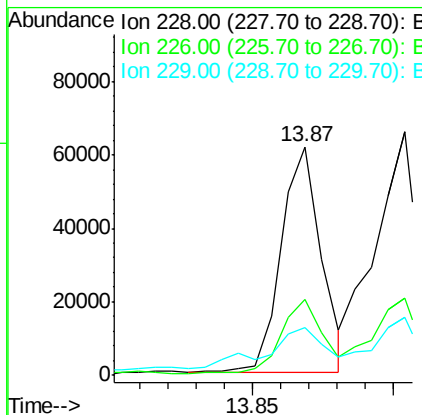
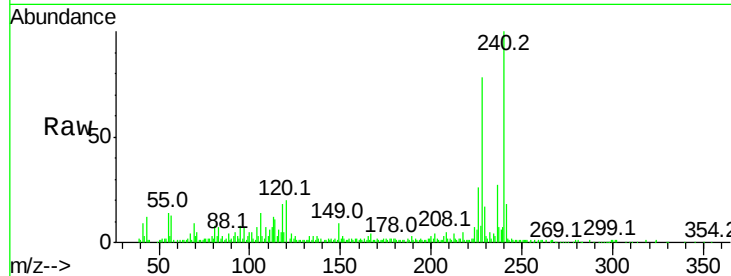




#80
Benzo(a)anthracene
Concen: 4.61 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF096428.D
Acq: 2 Jul 2017 20:50

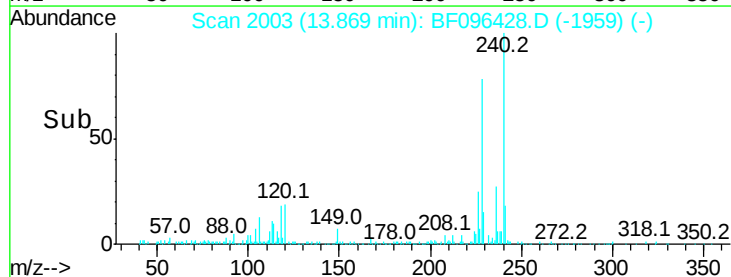
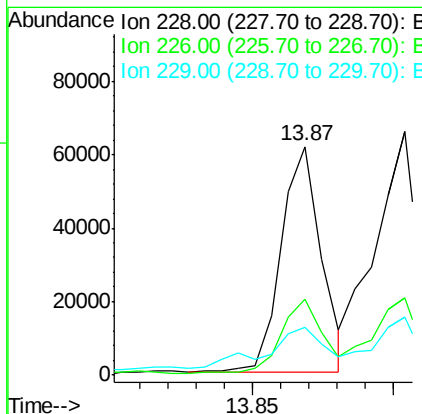
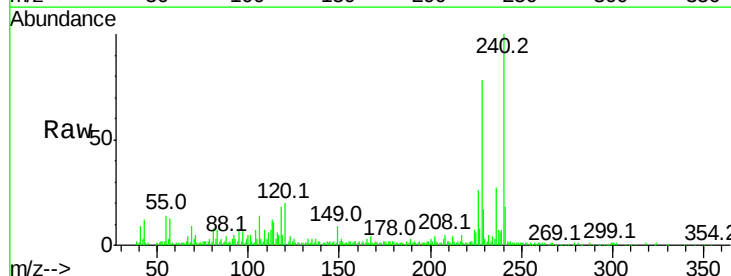
Instrument :
BNA_F
ClientSampleId :

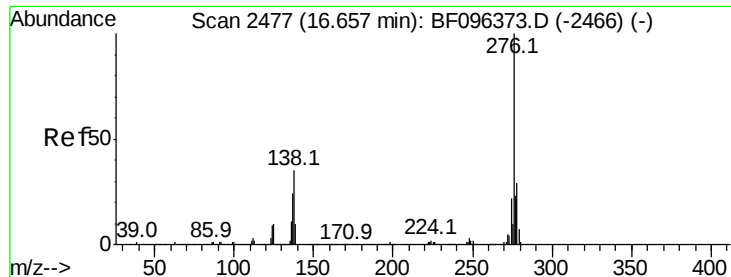
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.6	33.8
229	21.2	16.3	24.5



#82
Chrysene
Concen: 4.41 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.04 min
Lab File: BF096428.D
Acq: 2 Jul 2017 20:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	24.9	37.3
229	21.2	15.8	23.6

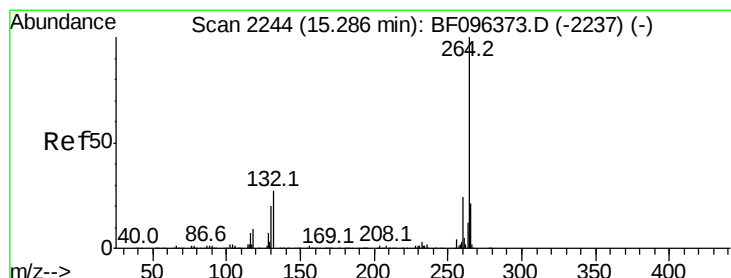
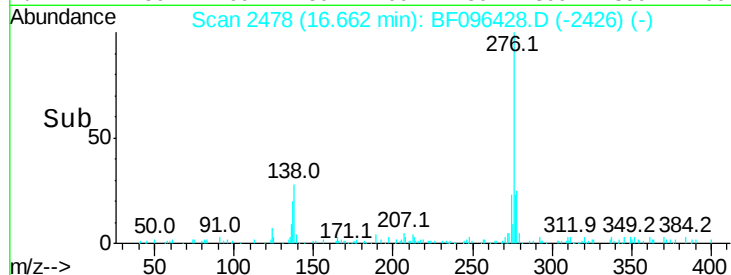
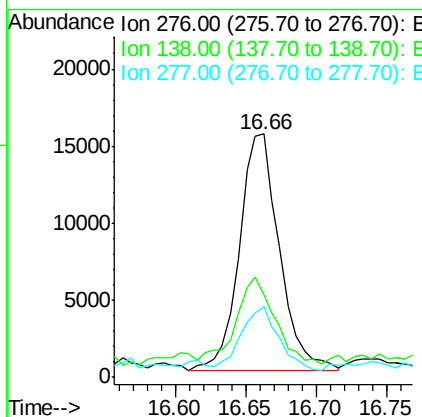
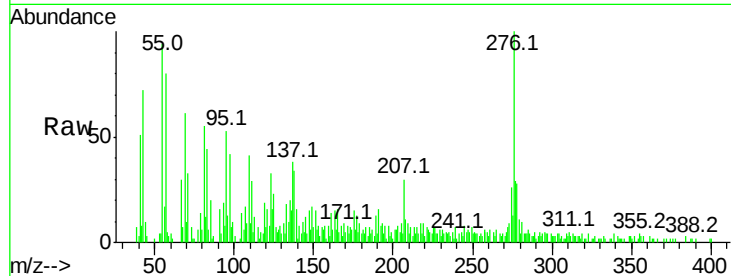




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.83 ng
 RT: 16.66 min Scan# 2478
 Delta R.T. 0.01 min
 Lab File: BF096428.D
 Acq: 2 Jul 2017 20:50

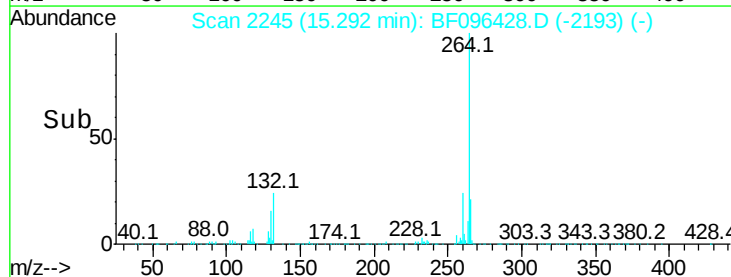
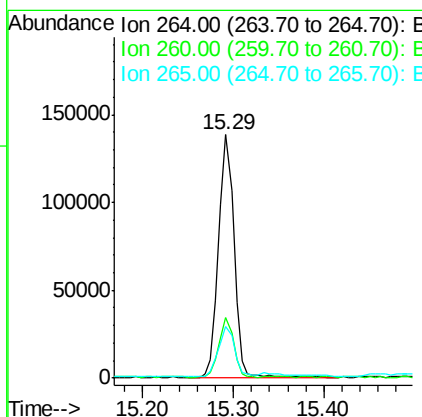
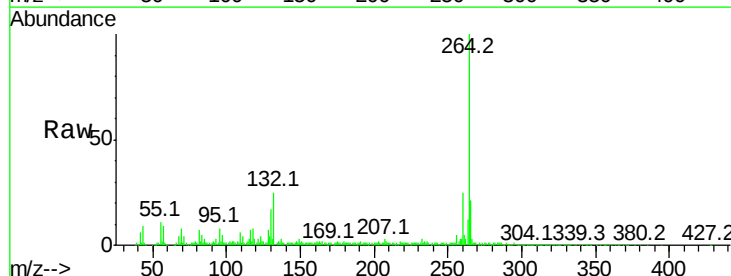
Instrument :
 BNA_F
 ClientSampleId :

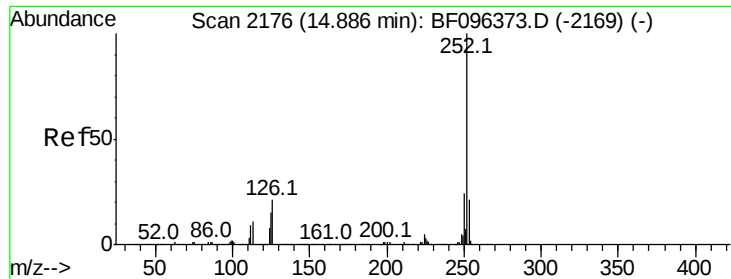
Tot Ion:276 Resp: 30503
 Ion Ratio Lower Upper
 276 100
 138 36.2 27.8 41.6
 277 24.8 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.01 min
 Lab File: BF096428.D
 Acq: 2 Jul 2017 20:50

Tgt Ion:264 Resp: 162864
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.5 29.3
 265 21.3 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 10.72 ng

RT: 14.89 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

Instrument :

BNA_F

ClientSampleId :

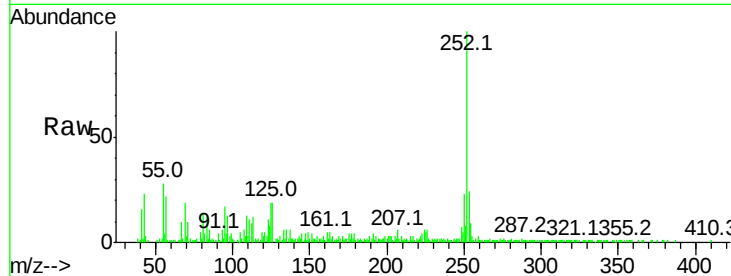
Tot Ion:252 Resp: 109432

Ion Ratio Lower Upper

252 100

253 24.5 18.1 27.1

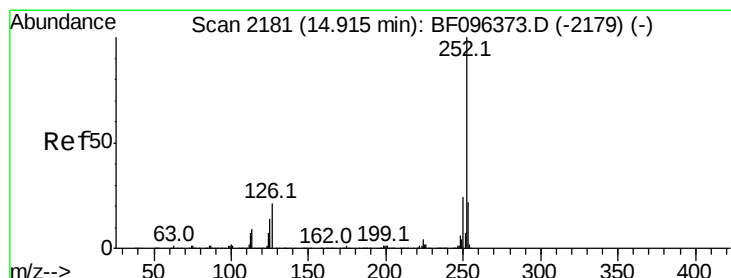
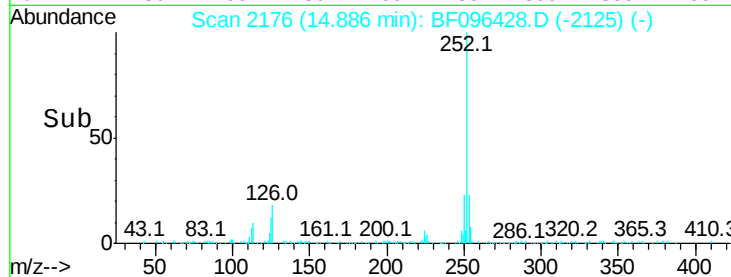
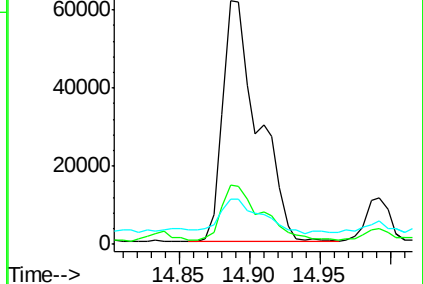
125 18.8 9.8 14.8#



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: 11.99 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.03 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

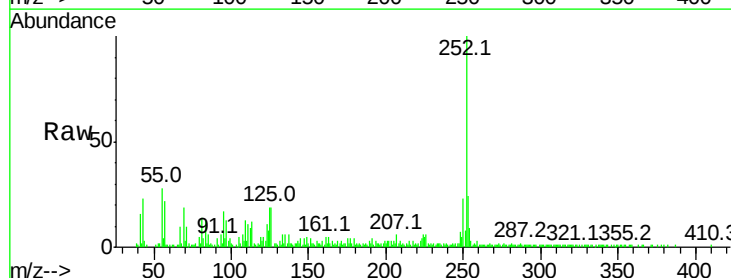
Tgt Ion:252 Resp: 109432

Ion Ratio Lower Upper

252 100

253 24.5 18.4 27.6

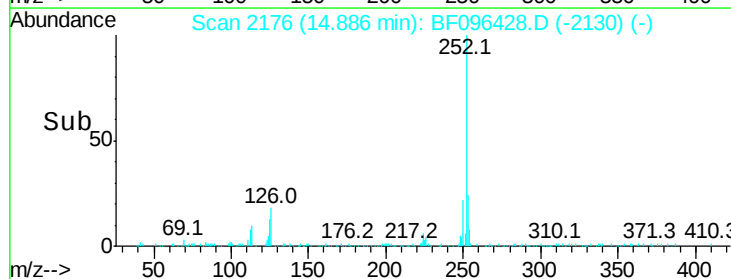
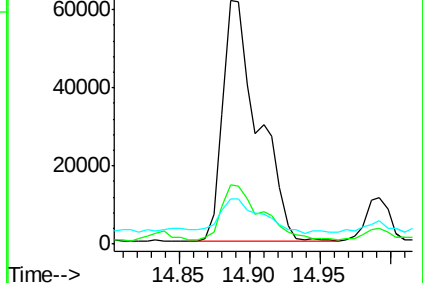
125 18.8 13.1 19.7

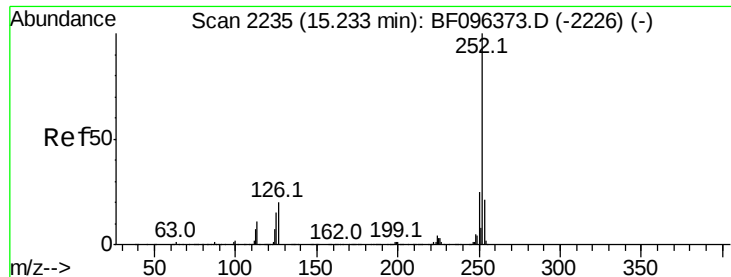


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.58 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.00 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

Instrument :

BNA_F

ClientSampleId :

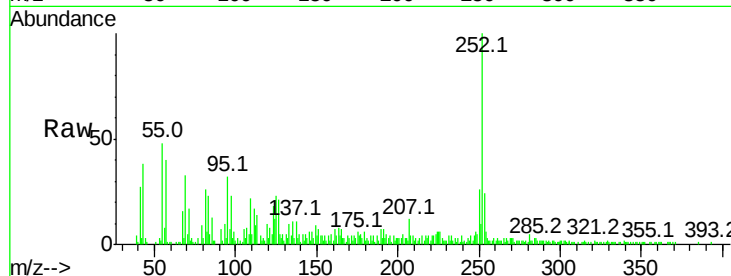
Tot Ion:252 Resp: 41708

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 23.3 11.0 16.4#

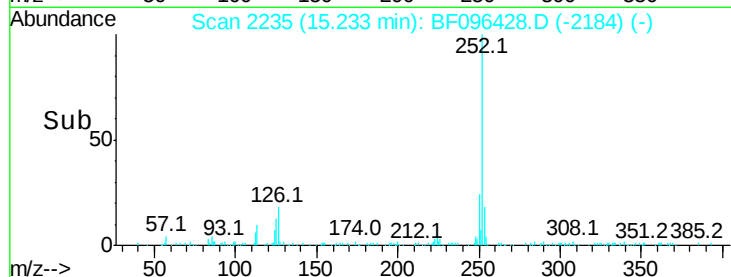


Abundance Ion 252.00 (251.70 to 252.70): E

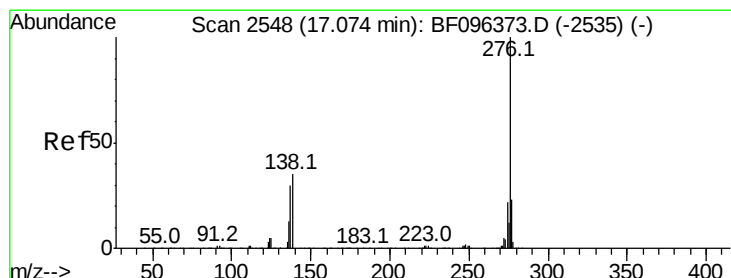
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#91

Benzo(g,h,i)perylene

Concen: 3.77 ng

RT: 17.07 min Scan# 2547

Delta R.T. -0.01 min

Lab File: BF096428.D

Acq: 2 Jul 2017 20:50

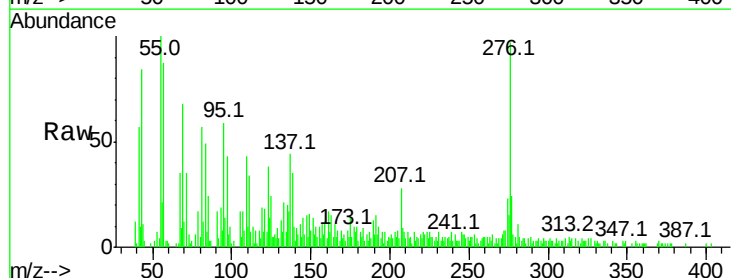
Tgt Ion:276 Resp: 28025

Ion Ratio Lower Upper

276 100

277 24.8 18.6 28.0

138 36.0 25.4 38.0

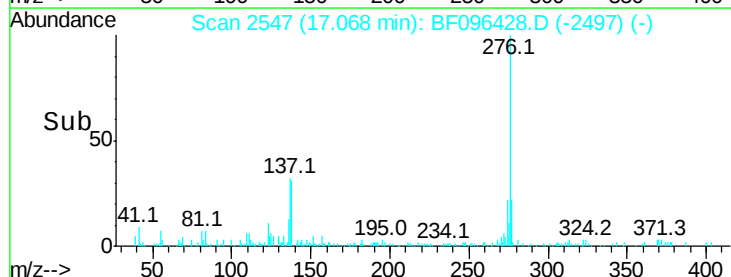


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time-->



Time-->