

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096438.D
 Acq On : 3 Jul 2017 13:51
 Operator : SJ/MA
 Sample : I3908-08RE 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 16:15:05 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	6.72	152	117455	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	423894	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	171436	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	237861	20.00	ng	-0.02
75) Chrysene-d12	13.86	240	187849	20.00	ng	-0.02
86) Perylene-d12	15.27	264	160362	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	228328	28.69	ng	-0.02
7) Phenol-d6	6.35	99	293764	30.03	ng	-0.02
23) Nitrobenzene-d5	7.27	82	139015	19.71	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	36686	27.40	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	260234	25.95	ng	-0.02
78) Terphenyl-d14	12.82	244	137200	15.61	ng	-0.02

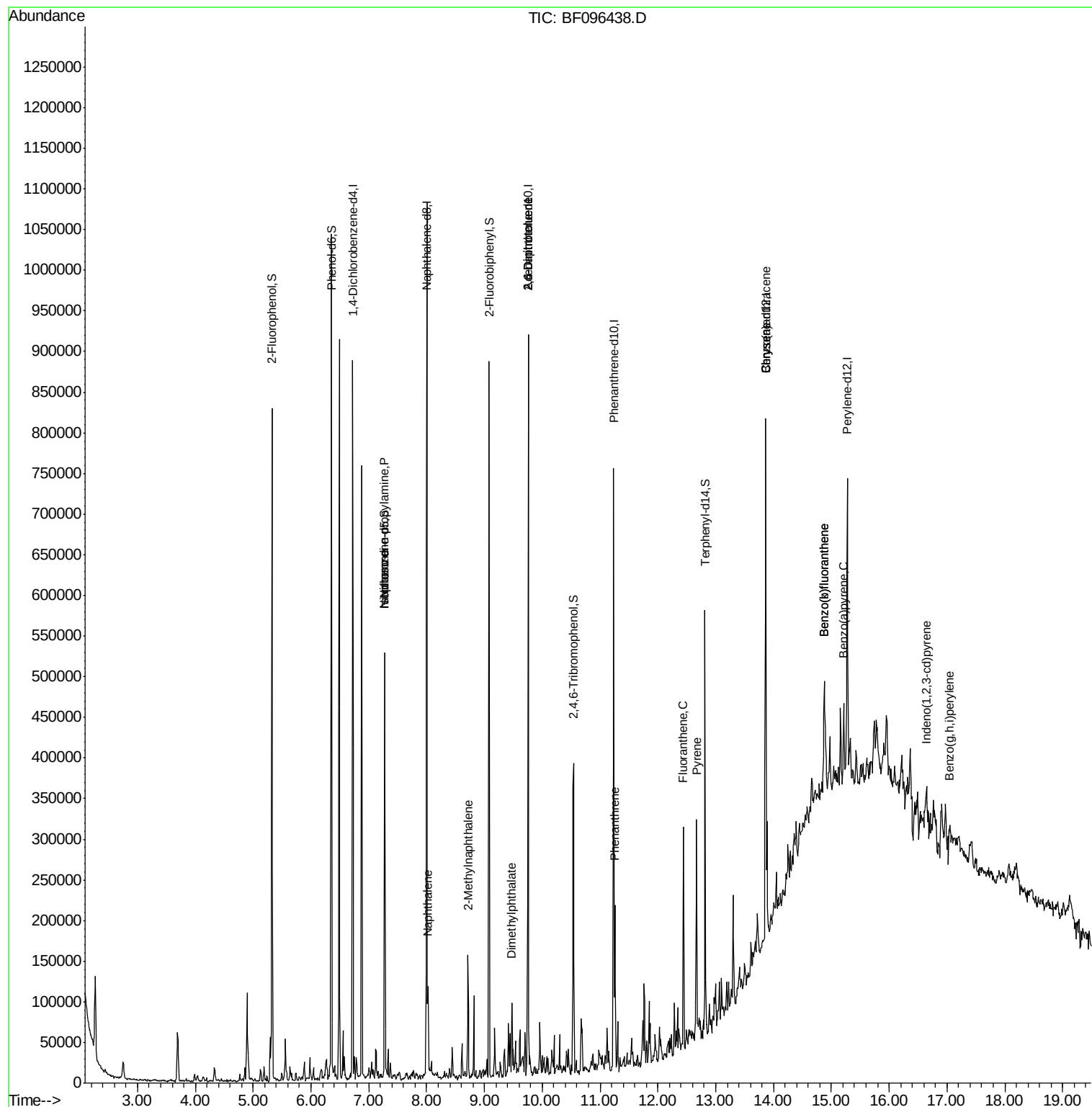
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	17740	3.04	ng	# 85
25) Isophorone	7.27	82	138365	10.12	ng	# 67
31) Naphthalene	8.03	128	47376	2.37	ng	99
37) 2-Methylnaphthalene	8.72	142	35836	2.81	ng	95
49) Dimethylphthalate	9.47	163	30517	2.38	ng	97
50) 2,6-Dinitrotoluene	9.76	165	23005	8.13	ng	# 34
56) 2,4-Dinitrotoluene	9.76	165	23005	6.42	ng	# 33
70) Phenanthrene	11.26	178	65090	5.06	ng	99
74) Fluoranthene	12.44	202	106657	8.46	ng	98
77) Pyrene	12.67	202	103123	6.84	ng	97
80) Benzo(a)anthracene	13.86	228	61474	5.65	ng	# 91
82) Chrysene	13.86	228	61474	5.40	ng	94
85) Indeno(1,2,3-cd)pyrene	16.63	276	23713	2.64	ng	97
87) Benzo(b)fluoranthene	14.87	252	91055	9.06	ng	# 87
88) Benzo(k)fluoranthene	14.87	252	91055	10.13	ng	# 92
89) Benzo(a)pyrene	15.22	252	42962	4.79	ng	# 90
91) Benzo(a,h,i)perylene	17.05	276	22757	3.11	ng	# 87

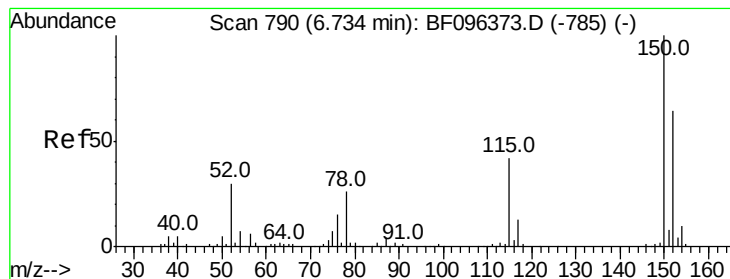
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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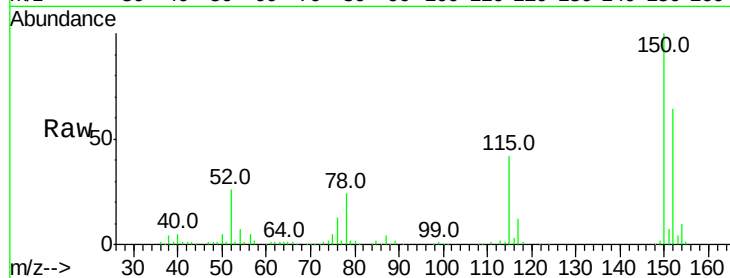


#1

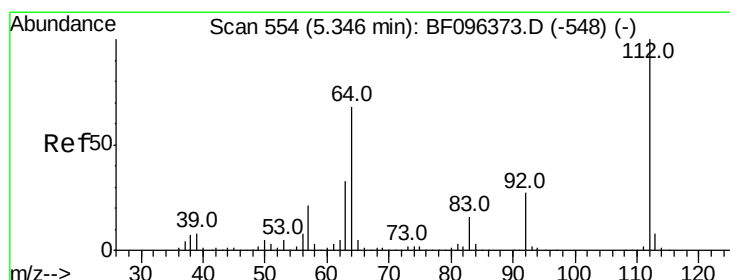
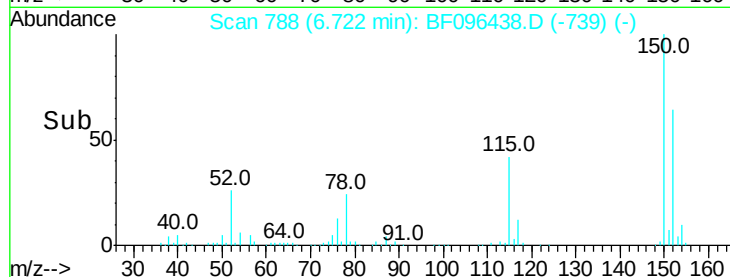
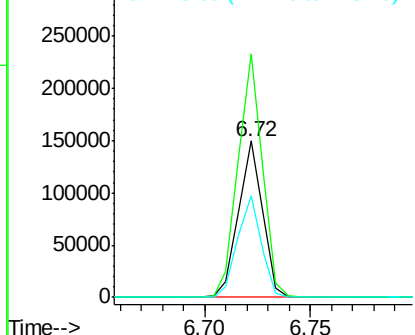
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117455
Ion Ratio Lower Upper
152 100
150 155.9 126.2 189.2
115 65.0 52.2 78.2



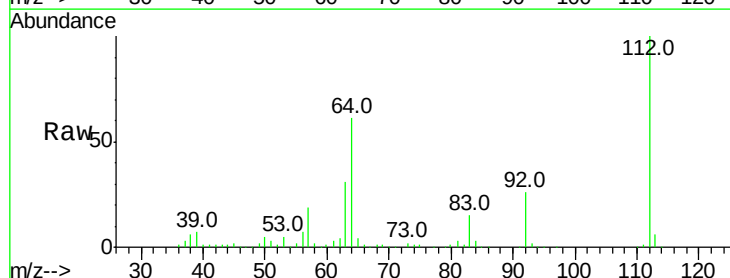
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



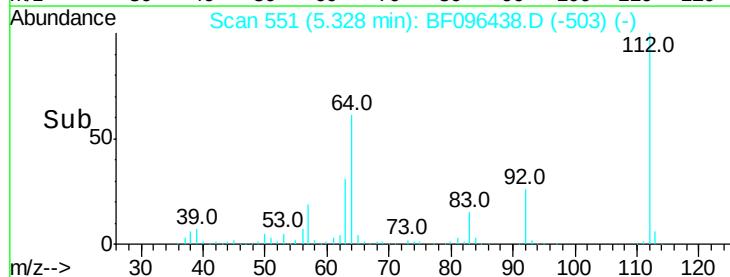
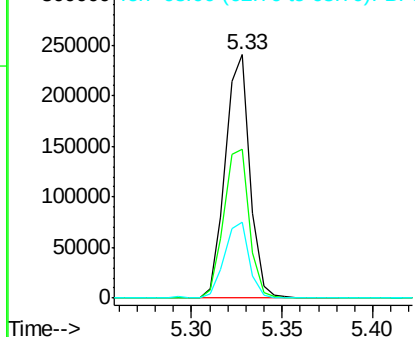
#5

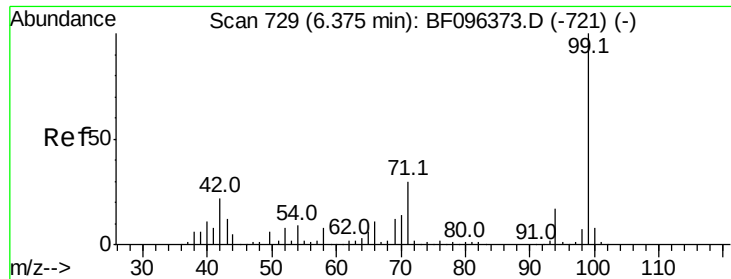
2-Fluorophenol
Concen: 28.69 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:112 Resp: 228328
Ion Ratio Lower Upper
112 100
64 61.4 46.0 69.0
63 31.2 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: 30.03 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096438.D

Acq: 3 Jul 2017 13:51

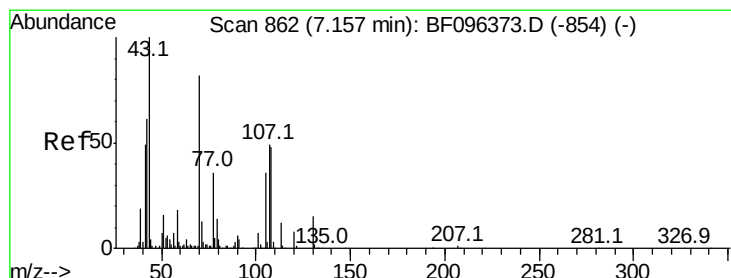
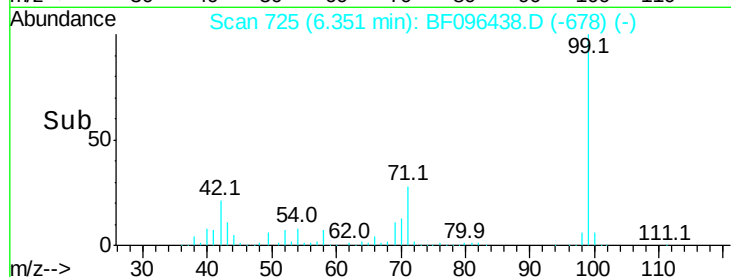
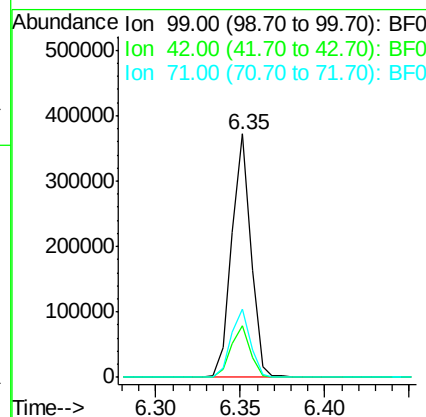
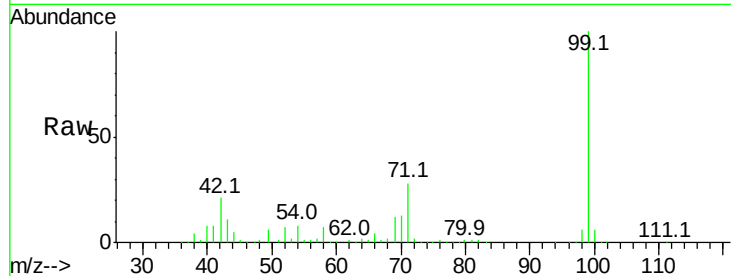
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 293764

Ion	Ratio	Lower	Upper
99	100		
42	21.2	13.5	20.3#
71	28.2	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 3.04 ng

RT: 7.27 min Scan# 882

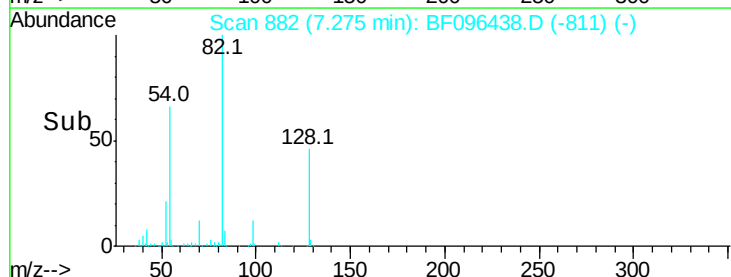
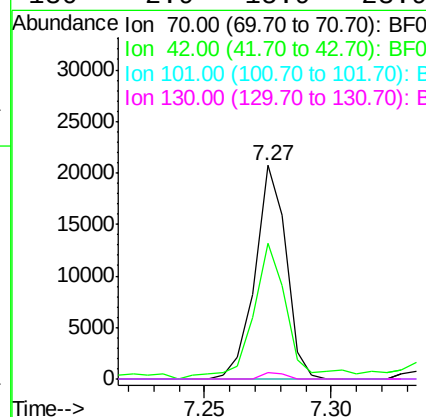
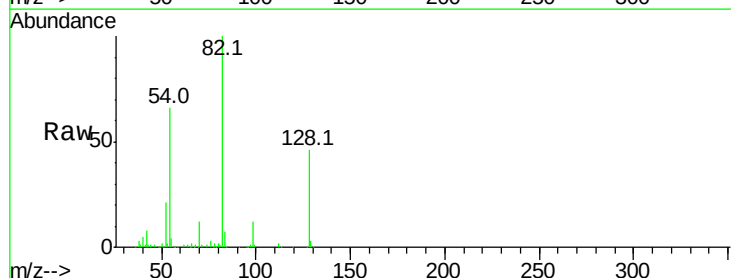
Delta R.T. 0.12 min

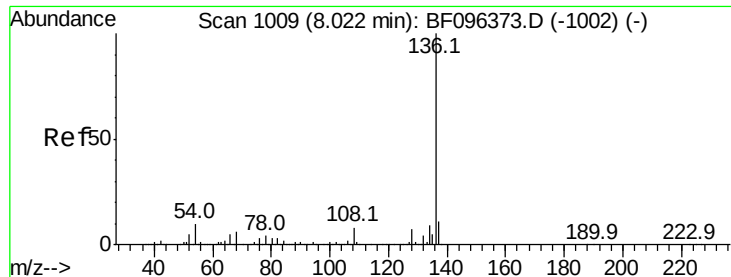
Lab File: BF096438.D

Acq: 3 Jul 2017 13:51

Tgt Ion: 70 Resp: 17740

Ion	Ratio	Lower	Upper
70	100		
42	63.8	47.2	70.8
101	0.0	7.2	10.8#
130	2.9	15.9	23.9#

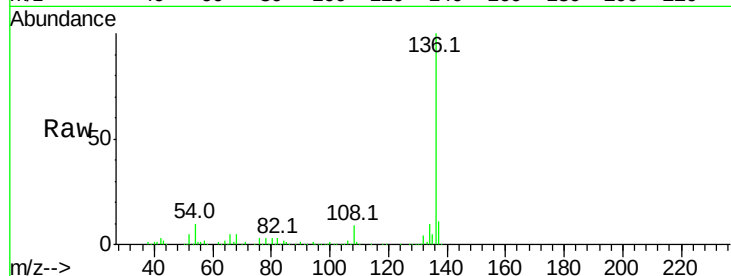




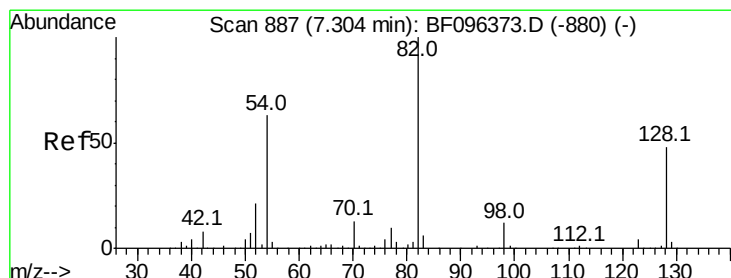
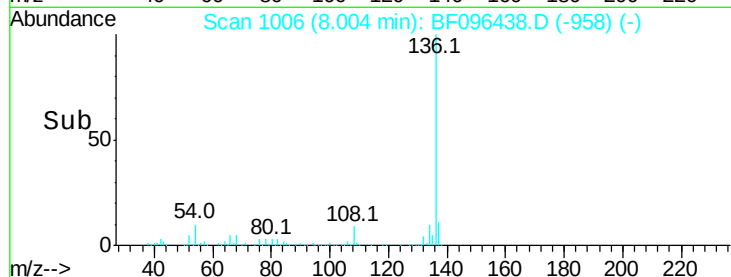
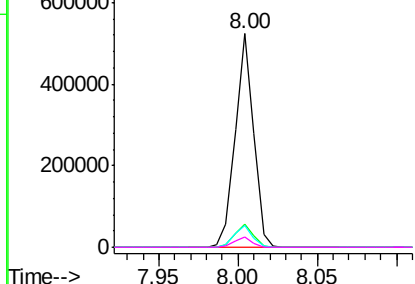
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	423894
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	10.0	4.9 7.3#
68	5.0	4.1 6.1

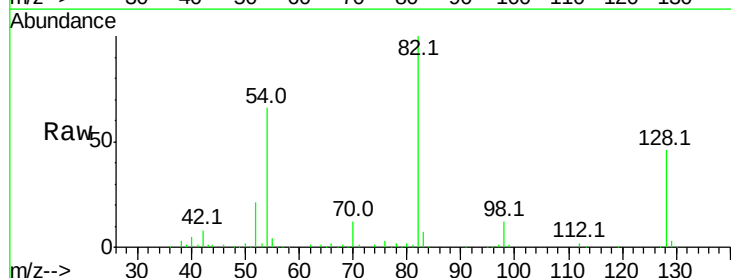


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

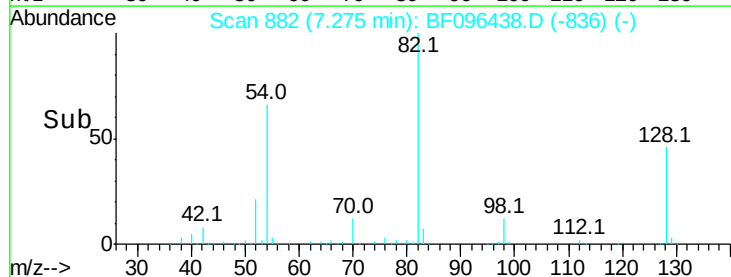
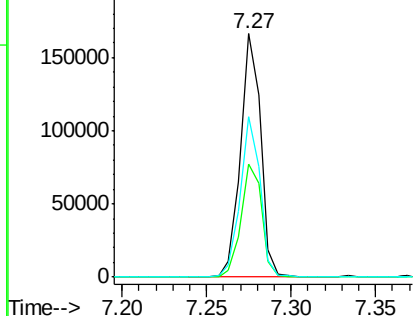


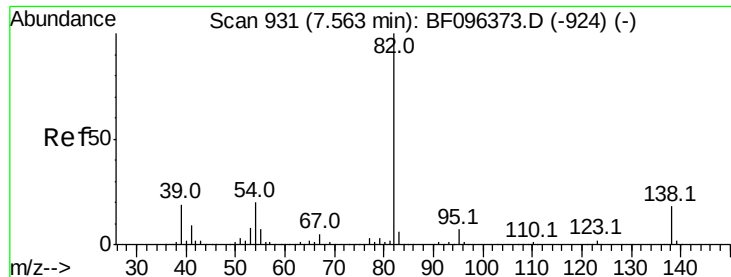
#23
Nitrobenzene-d5
Concen: 19.71 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.03 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion: 82	Resp:	139015
Ion Ratio	Lower	Upper
82	100	
128	46.3	34.0 51.0
54	65.9	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: 10.12 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.29 min

Lab File: BF096438.D

Acq: 3 Jul 2017 13:51

Instrument :

BNA_F

ClientSampled :

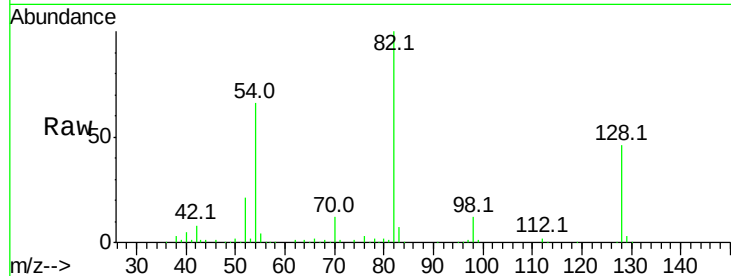
Tot Ion: 82 Resp: 138365

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

138 0.0 13.1 19.7#

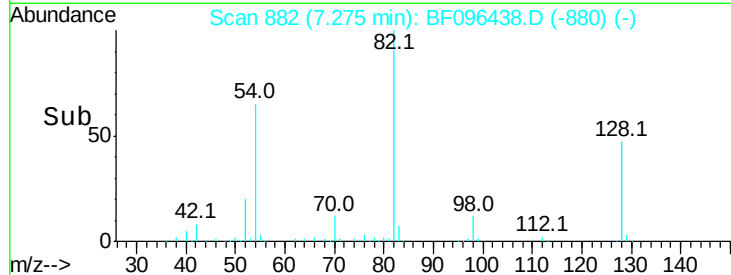


Abundance Ion 82.00 (81.70 to 82.70): BF0

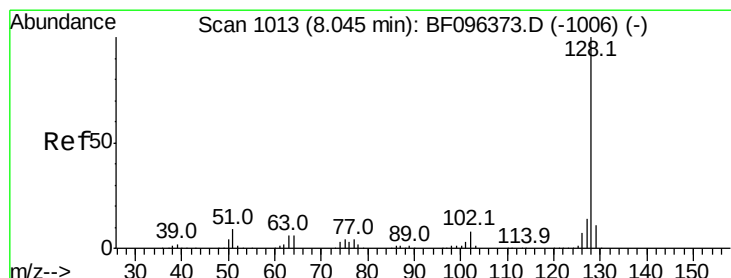
Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

Time-->



Time-->



#31

Naphthalene

Concen: 2.37 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.02 min

Lab File: BF096438.D

Acq: 3 Jul 2017 13:51

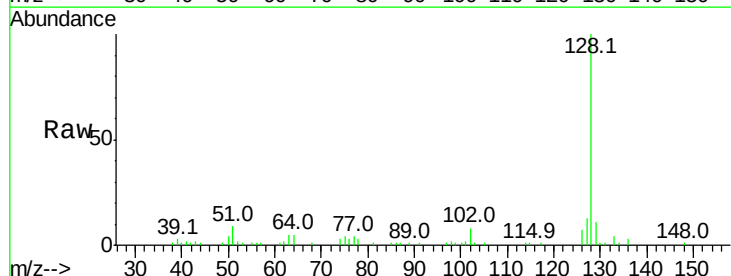
Tgt Ion: 128 Resp: 47376

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

127 13.4 10.8 16.2

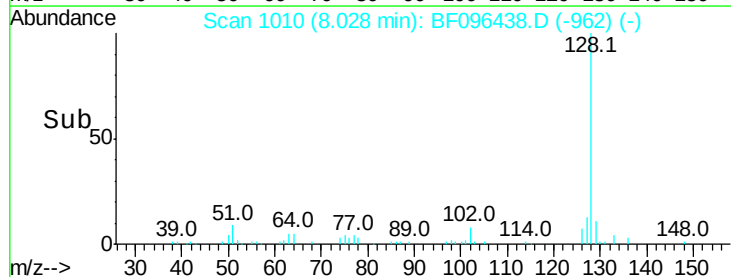


Abundance Ion 128.00 (127.70 to 128.70): E

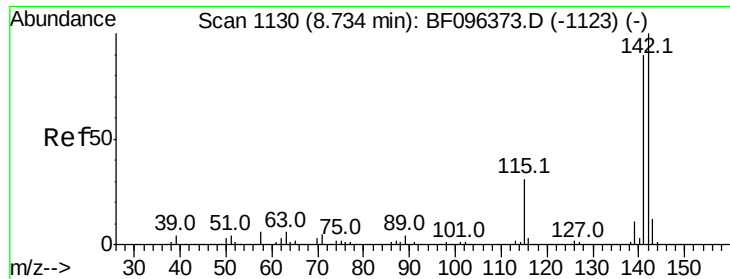
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

Time-->



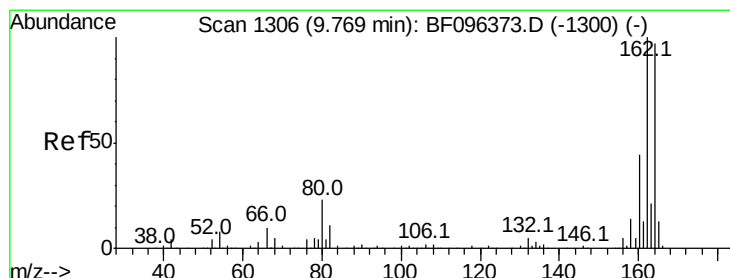
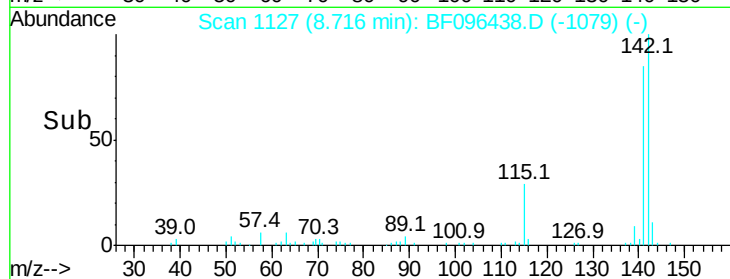
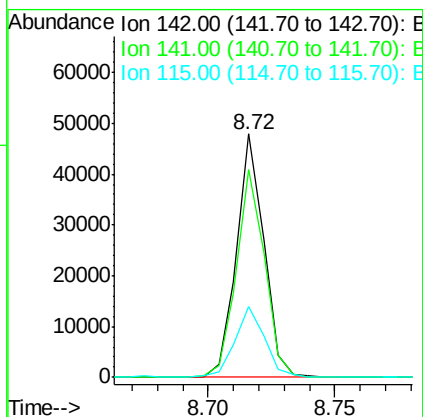
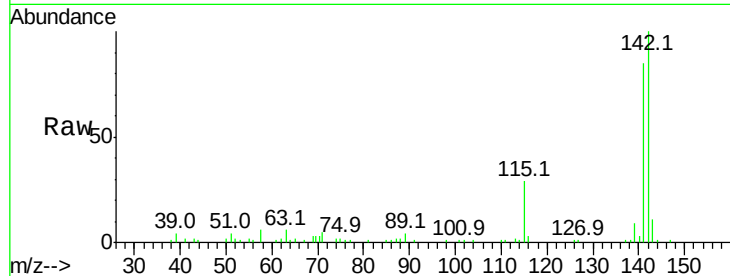
Time-->



#37
 2-Methylnaphthalene
 Concen: 2.81 ng
 RT: 8.72 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF096438.D
 Acq: 3 Jul 2017 13:51

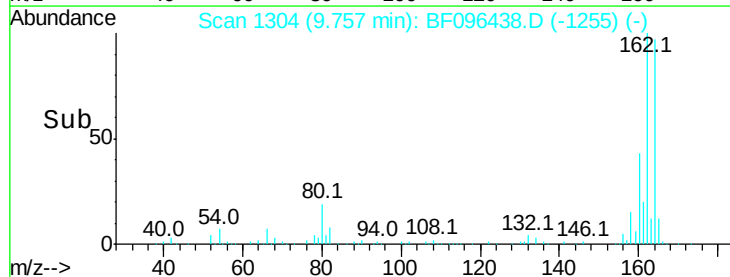
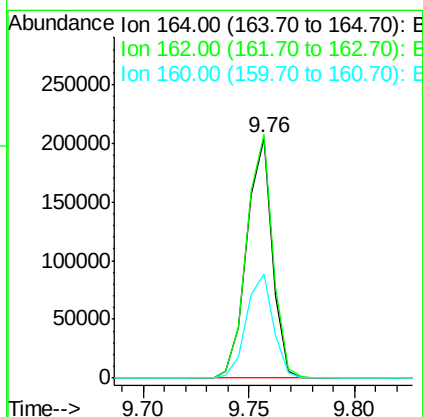
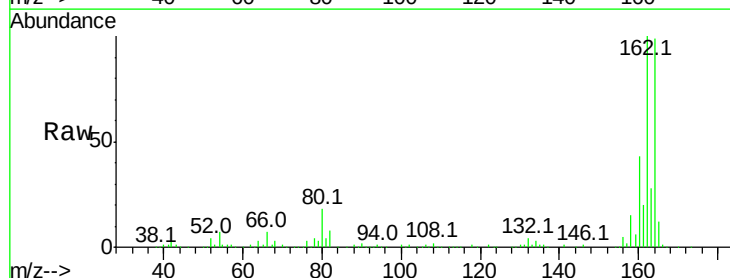
Instrument :
 BNA_F
 ClientSampleId :

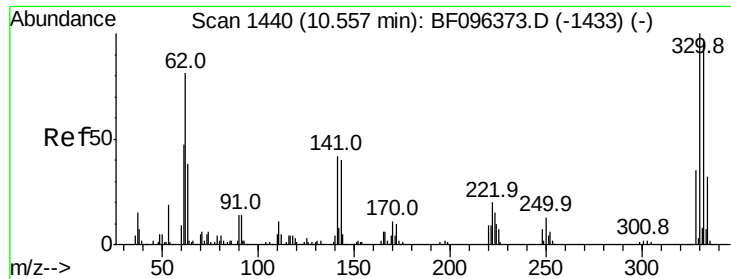
Tot Ion:142 Resp: 35836
 Ion Ratio Lower Upper
 142 100
 141 85.4 71.3 106.9
 115 29.0 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF096438.D
 Acq: 3 Jul 2017 13:51

Tgt Ion:164 Resp: 171436
 Ion Ratio Lower Upper
 164 100
 162 101.4 82.6 123.8
 160 43.3 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 27.40 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.02 min

Lab File: BF096438.D

Acq: 3 Jul 2017 13:51

Instrument :

BNA_F

ClientSampleId :

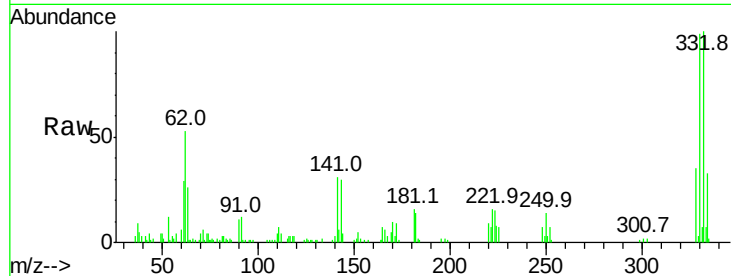
Tot Ion:330 Resp: 36686

Ion Ratio Lower Upper

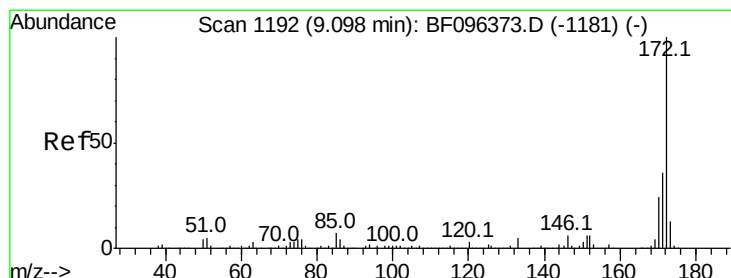
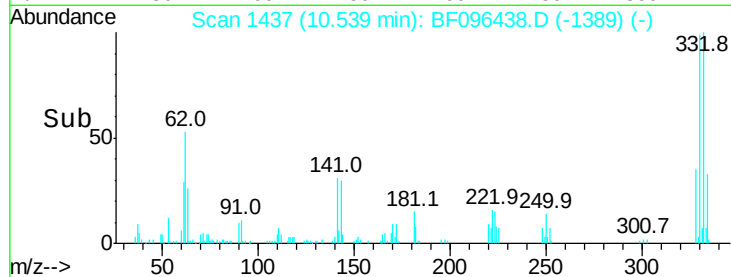
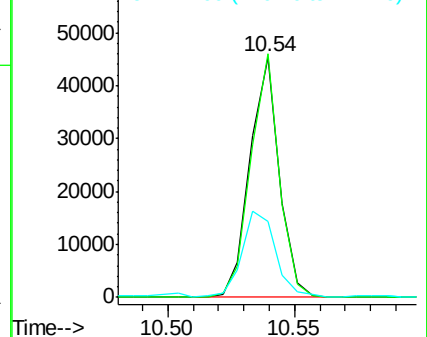
330 100

332 98.1 76.6 115.0

141 41.2 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: 25.95 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.02 min

Lab File: BF096438.D

Acq: 3 Jul 2017 13:51

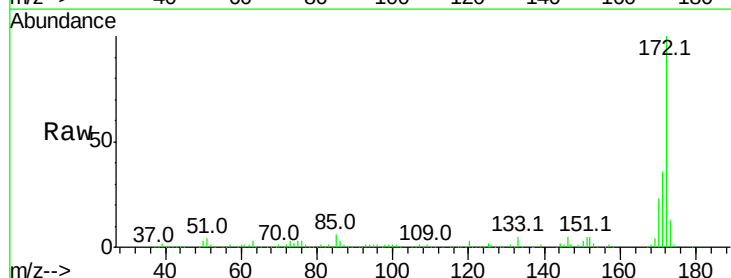
Tgt Ion:172 Resp: 260234

Ion Ratio Lower Upper

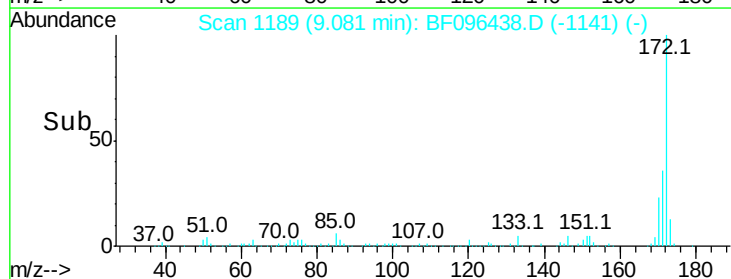
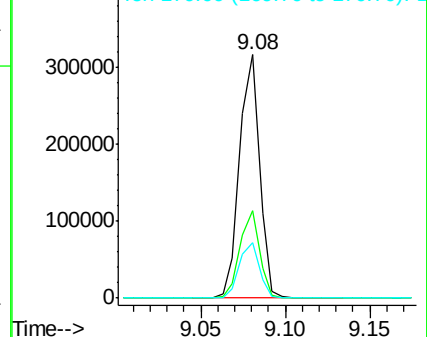
172 100

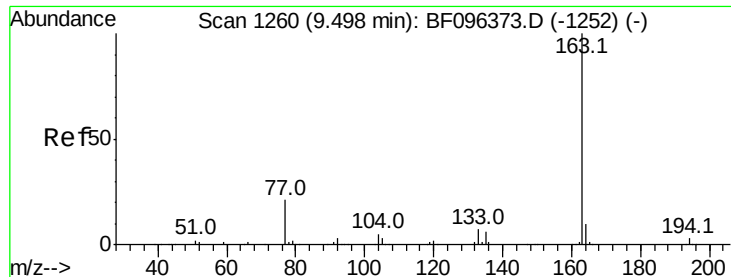
171 36.1 29.6 44.4

170 22.5 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

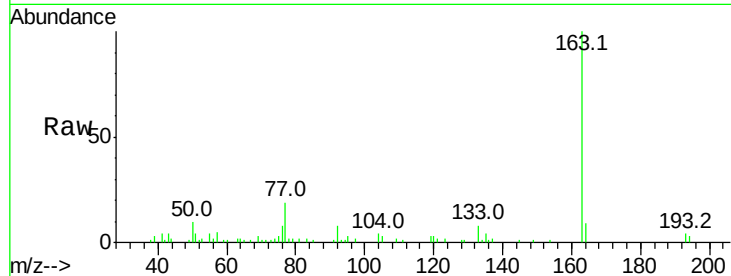




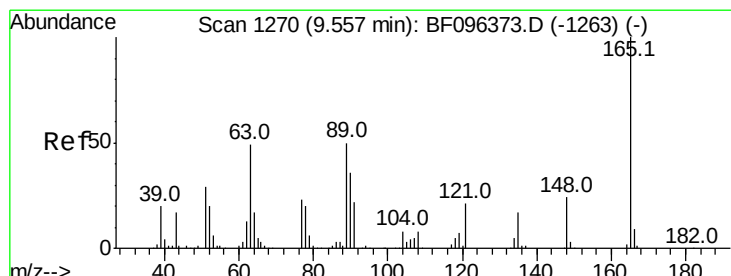
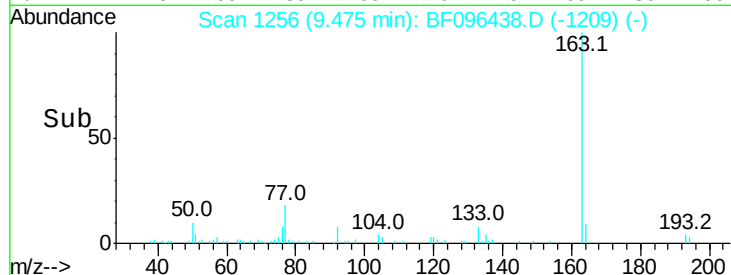
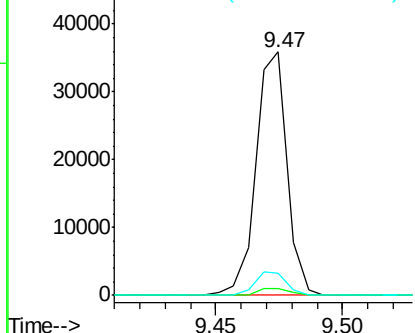
#49
Dimethylphthalate
Concen: 2.38 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 30517
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 9.2 8.4 12.6

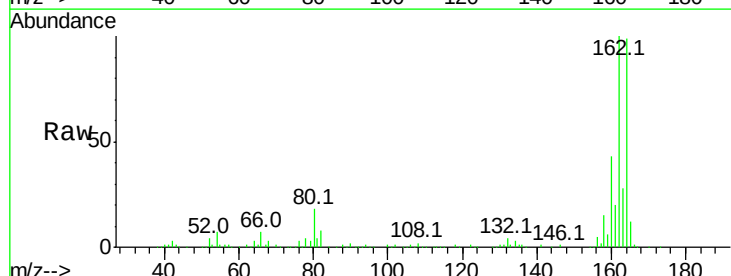


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

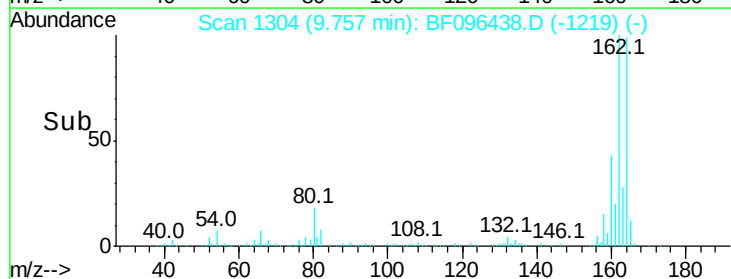
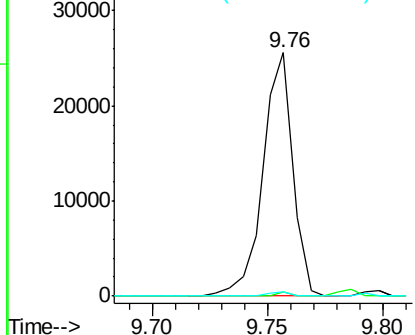


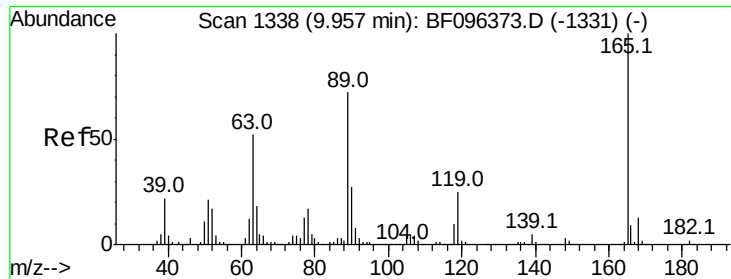
#50
2,6-Dinitrotoluene
Concen: 8.13 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:165 Resp: 23005
Ion Ratio Lower Upper
165 100
63 1.8 34.3 51.5#
89 1.7 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

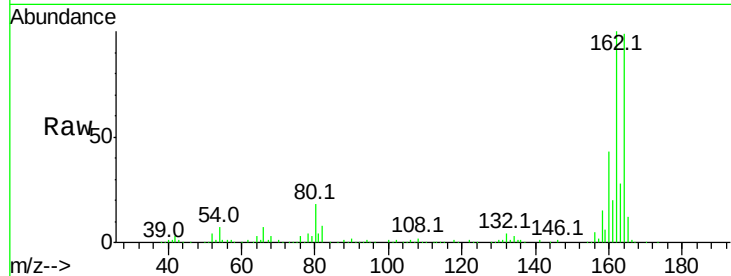




#56
 2,4-Dinitrotoluene
 Concen: 6.42 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF096438.D
 Acq: 3 Jul 2017 13:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

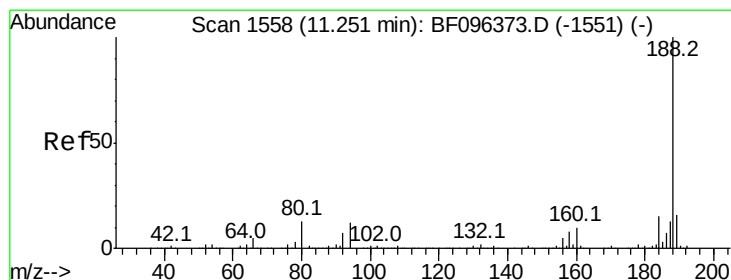
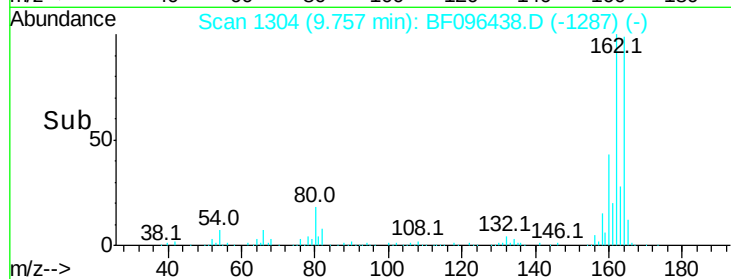
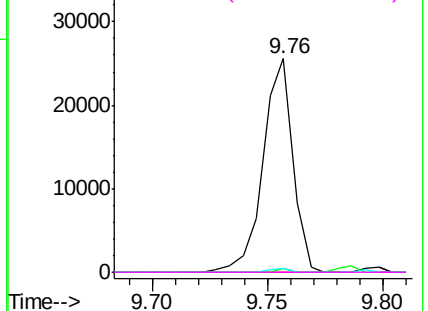


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

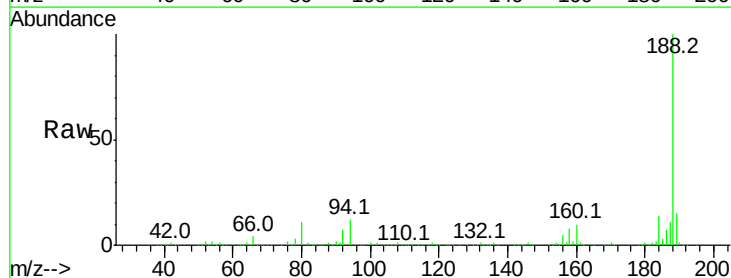
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF096438.D
 Acq: 3 Jul 2017 13:51

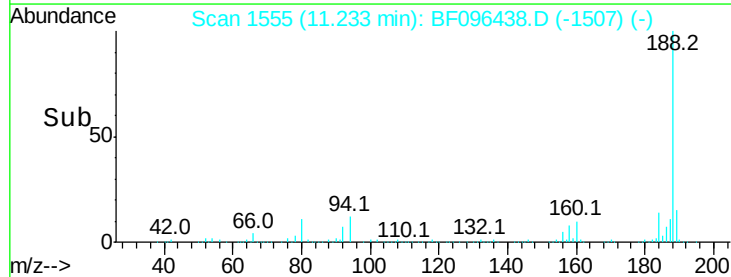
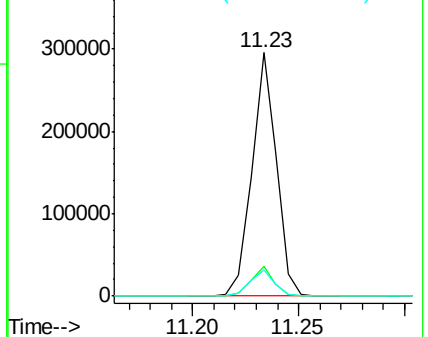
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.2	9.4	14.2
80	10.5	10.2	15.2

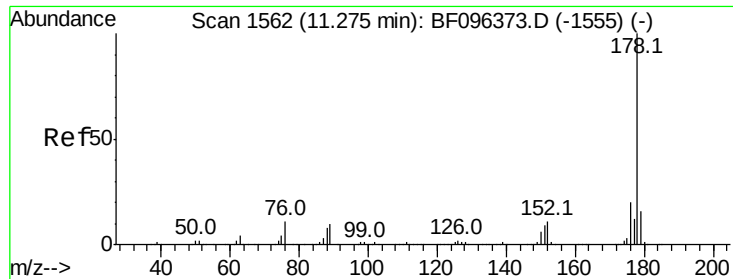


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.06 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BF096438.D

Acq: 3 Jul 2017 13:51

Instrument :

BNA_F

ClientSampleId :

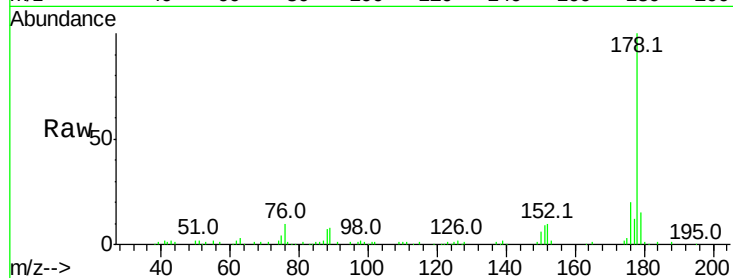
Tot Ion:178 Resp: 65090

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

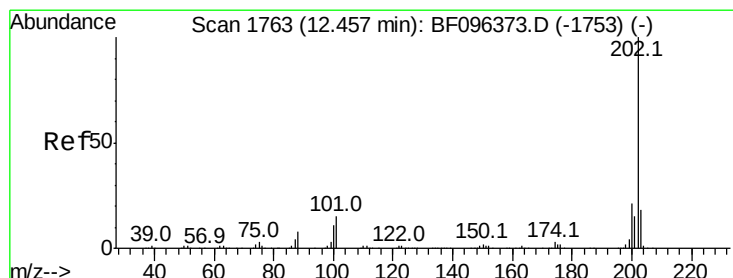
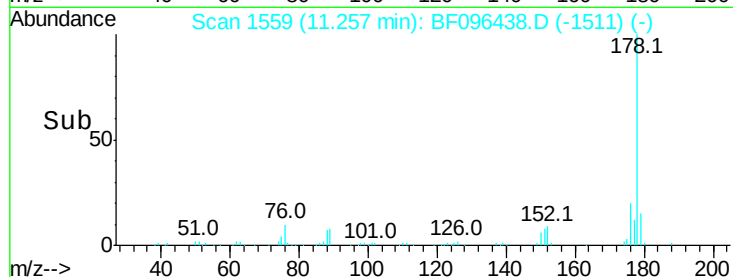
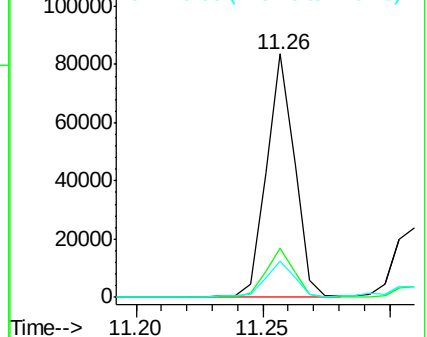
179 14.7 12.6 19.0



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



#74

Fluoranthene

Concen: 8.46 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.02 min

Lab File: BF096438.D

Acq: 3 Jul 2017 13:51

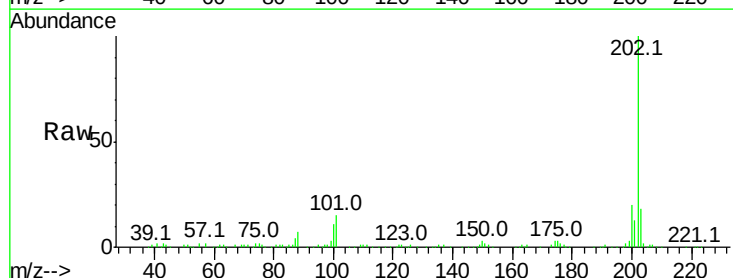
Tgt Ion:202 Resp: 106657

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

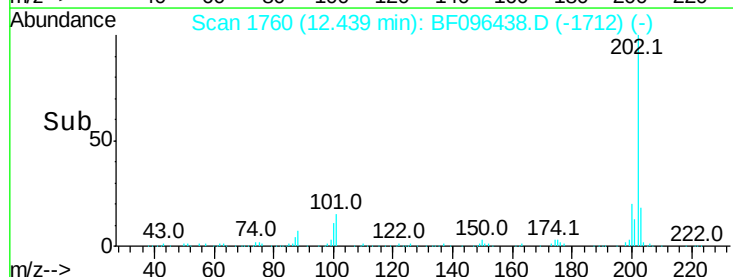
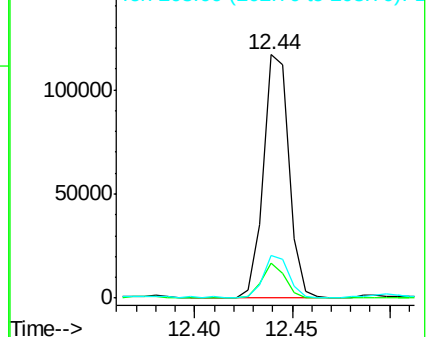
203 17.6 0.0 38.1

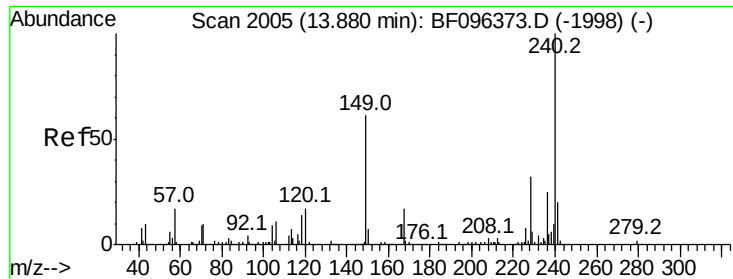


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.02 min

Lab File: BF096438.D

Acq: 3 Jul 2017 13:51

Instrument :

BNA_F

ClientSampleId :

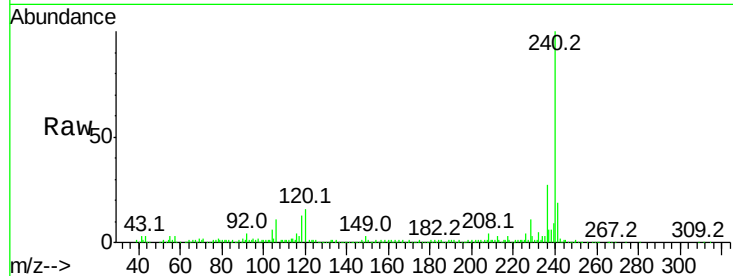
Tot Ion:240 Resp: 187849

Ion Ratio Lower Upper

240 100

120 16.3 5.8 8.8#

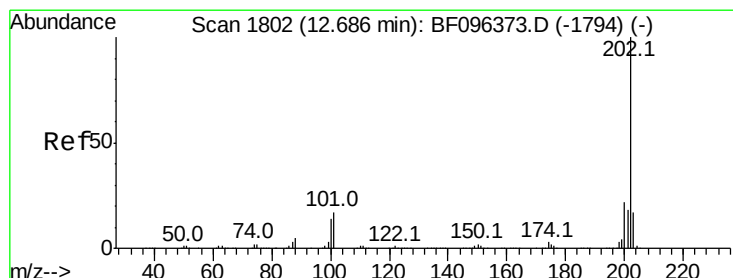
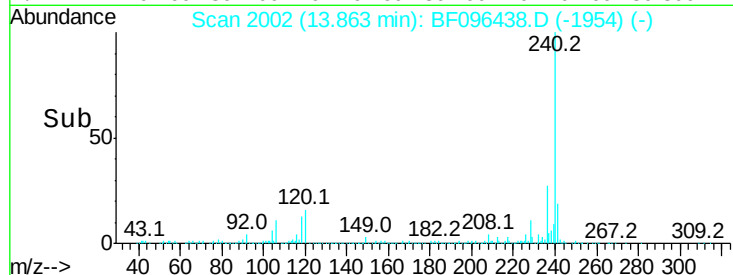
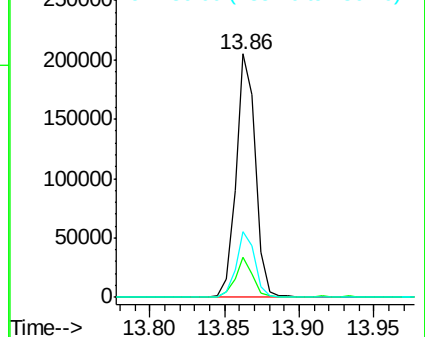
236 27.0 20.5 30.7



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

Pyrene

Concen: 6.84 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.02 min

Lab File: BF096438.D

Acq: 3 Jul 2017 13:51

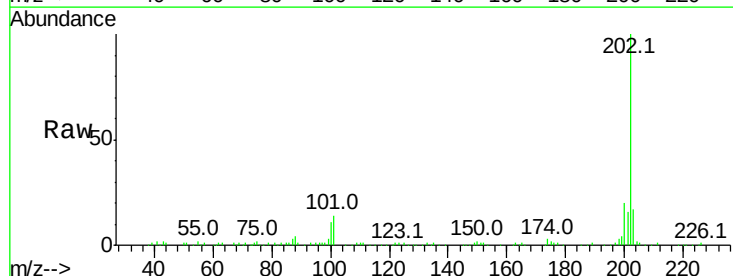
Tgt Ion:202 Resp: 103123

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

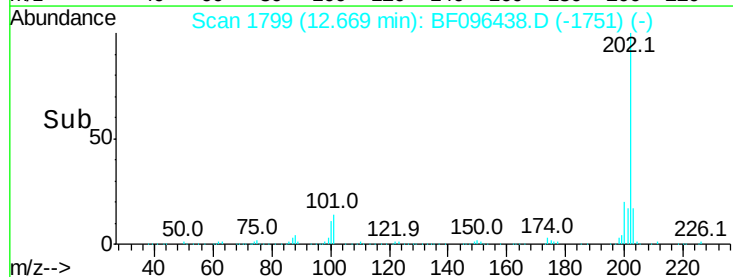
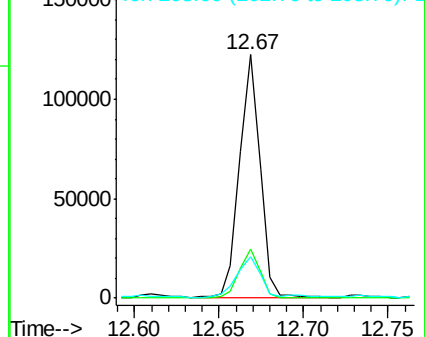
203 17.2 14.4 21.6

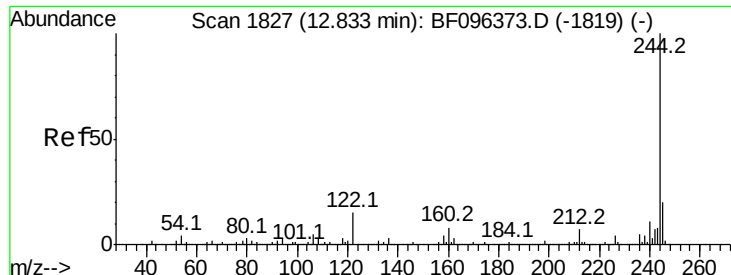


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

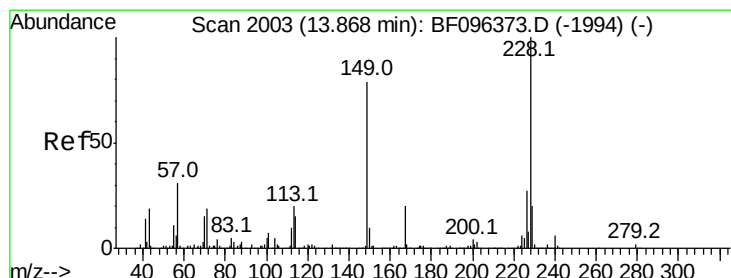
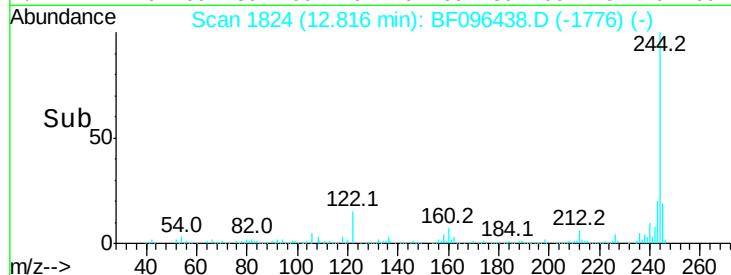
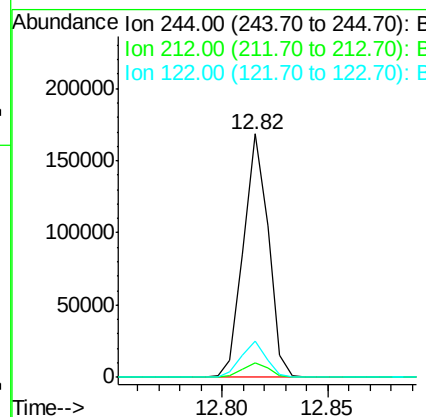
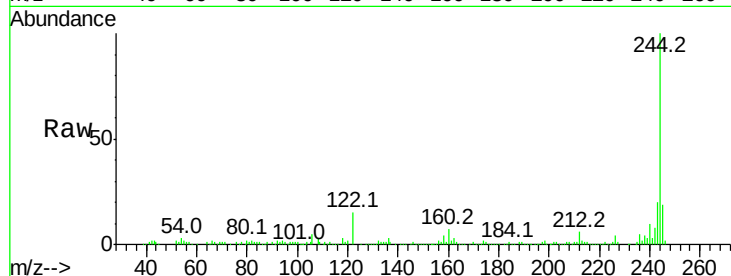




#78
 Terphenyl-d14
 Concen: 15.61 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF096438.D
 Acq: 3 Jul 2017 13:51

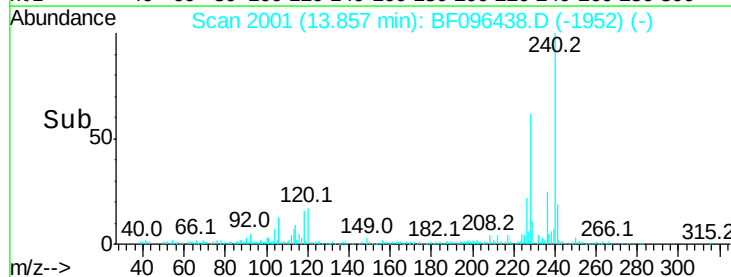
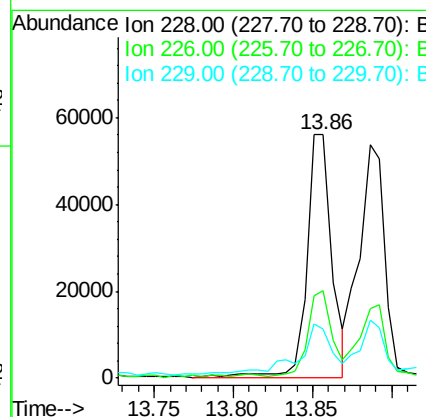
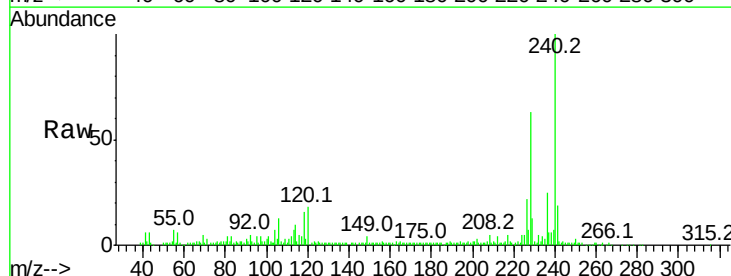
Instrument :
 BNA_F
 ClientSampleId :

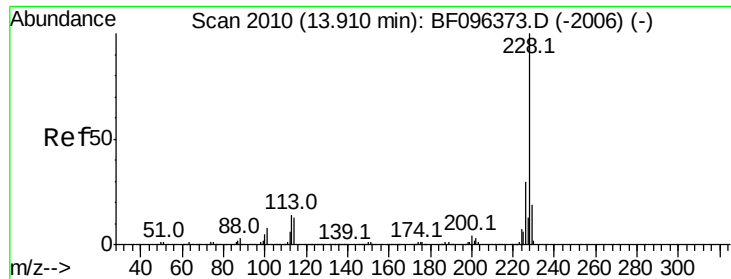
Tot Ion:244 Resp: 137200
 Ion Ratio Lower Upper
 244 100
 212 6.0 6.0 9.0#
 122 15.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 5.65 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF096438.D
 Acq: 3 Jul 2017 13:51

Tgt Ion:228 Resp: 61474
 Ion Ratio Lower Upper
 228 100
 226 35.9 22.6 33.8#
 229 20.1 16.3 24.5

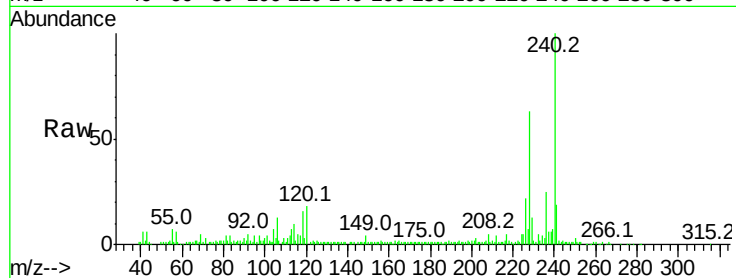




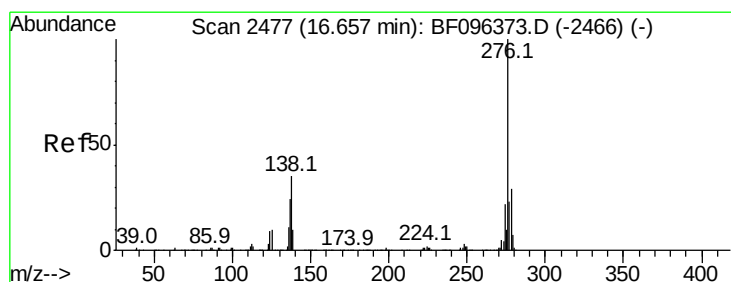
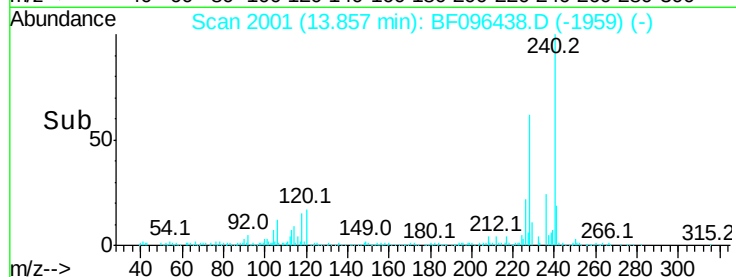
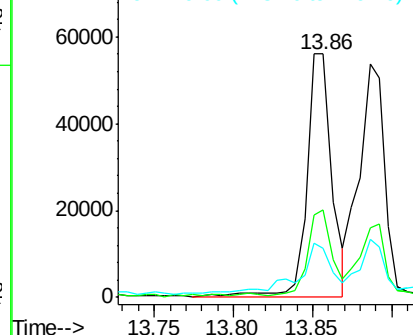
#82
Chrysene
Concen: 5.40 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.05 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 61474
Ion Ratio Lower Upper
228 100
226 35.9 24.9 37.3
229 20.1 15.8 23.6

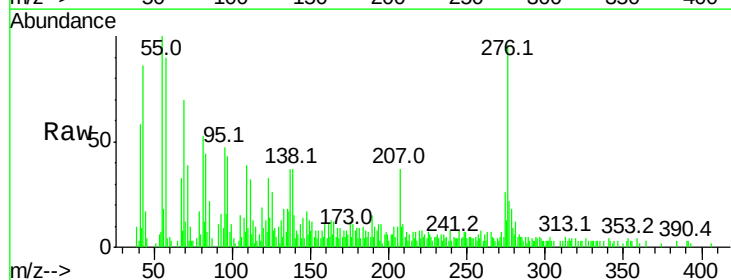


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

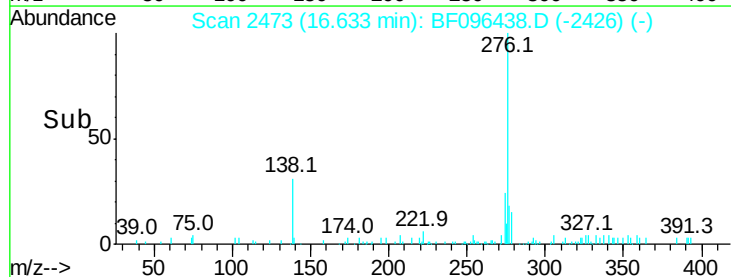
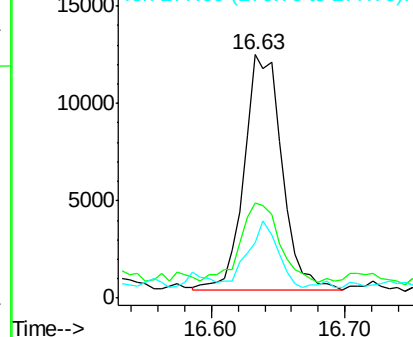


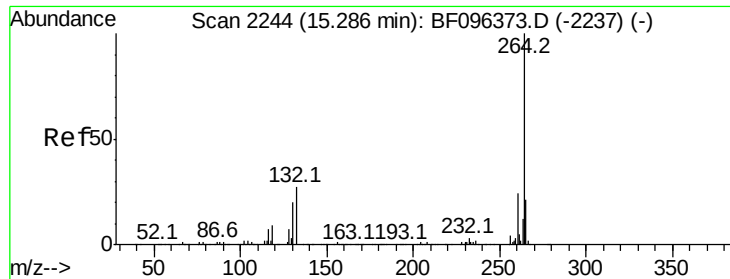
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.64 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:276 Resp: 23713
Ion Ratio Lower Upper
276 100
138 34.3 27.8 41.6
277 22.1 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

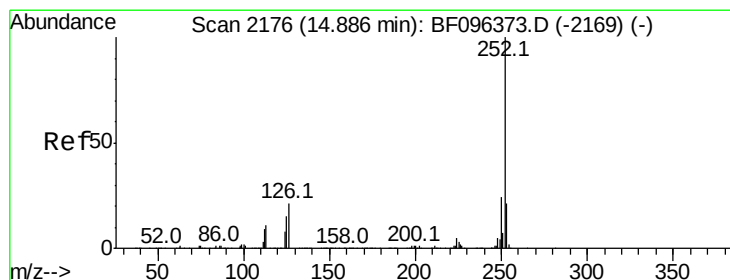
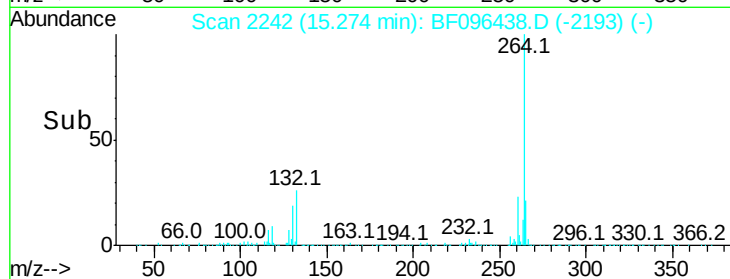
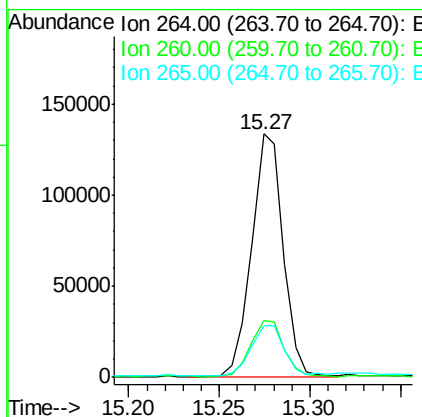
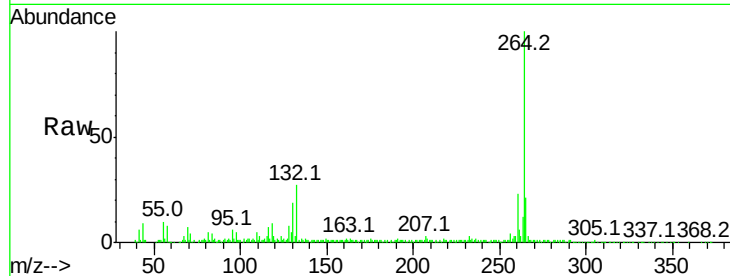




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

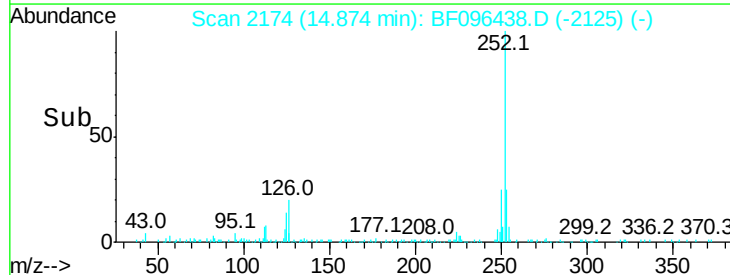
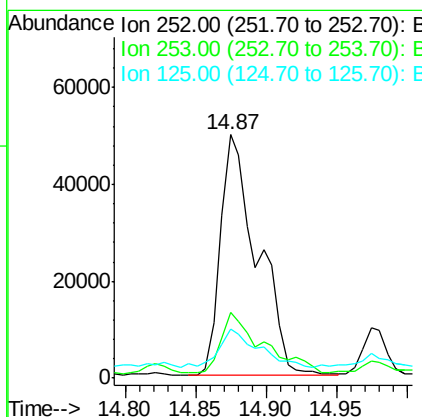
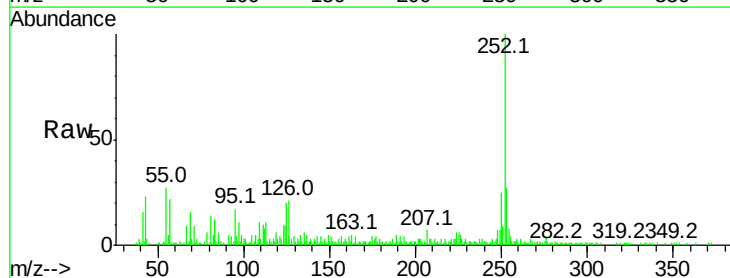
Instrument :
BNA_F
ClientSampleId :

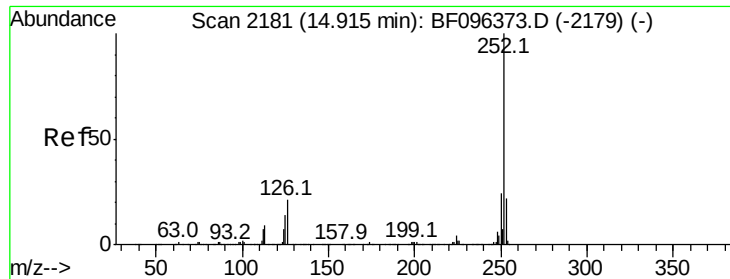
Tot Ion:264 Resp: 160362
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 21.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.06 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion:252 Resp: 91055
Ion Ratio Lower Upper
252 100
253 26.9 18.1 27.1
125 20.0 9.8 14.8#

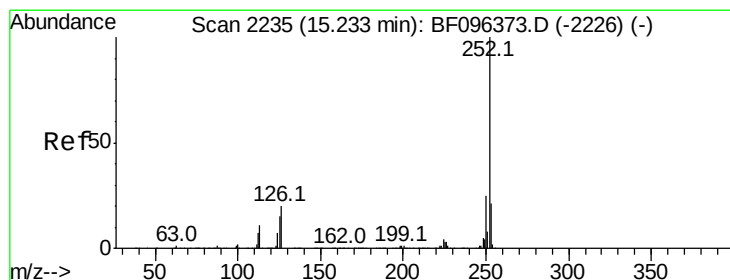
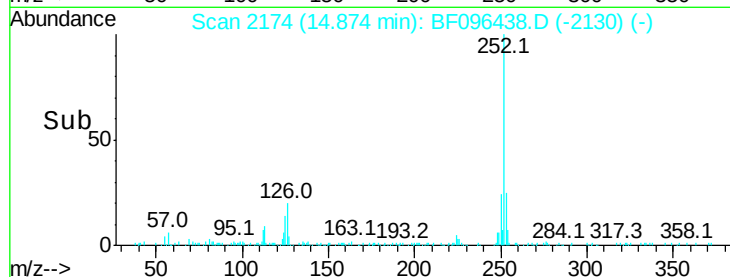
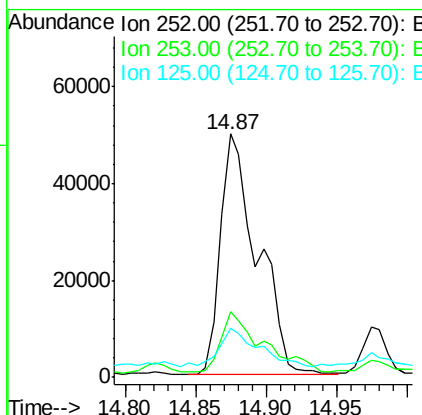
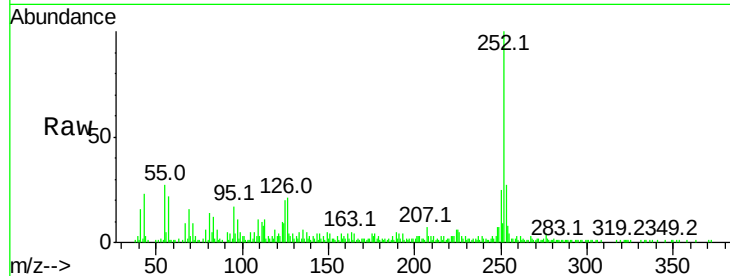




#88
Benzo(k)fluoranthene
Concen: 10.13 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

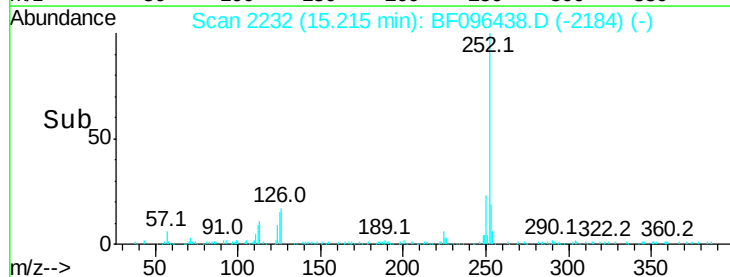
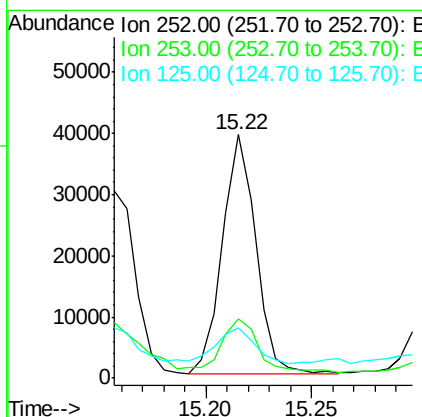
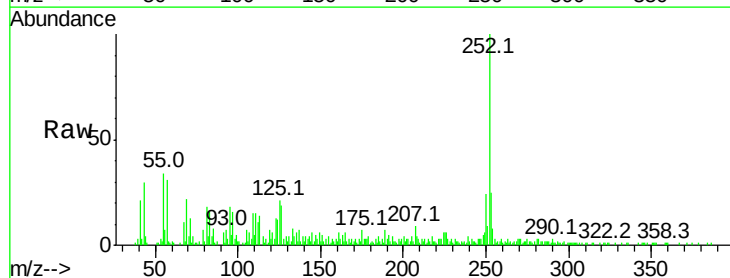
Instrument :
BNA_F
ClientSampleId :

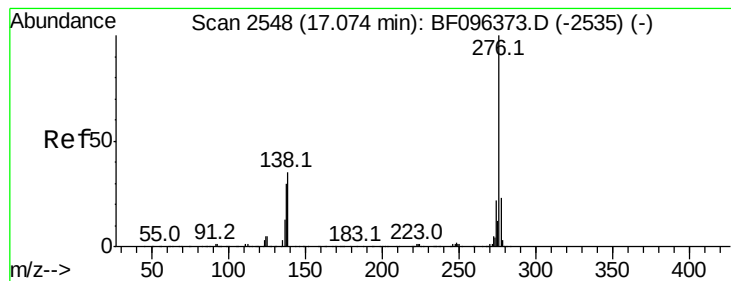
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.4	27.6
125	20.0	13.1	19.7



#89
Benzo(a)pyrene
Concen: 4.79 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF096438.D
Acq: 3 Jul 2017 13:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	20.5	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.11 ng

RT: 17.05 min Scan# 2544

Delta R.T. -0.02 min

Lab File: BF096438.D

Acq: 3 Jul 2017 13:51

Instrument :

BNA_F

ClientSampleId :

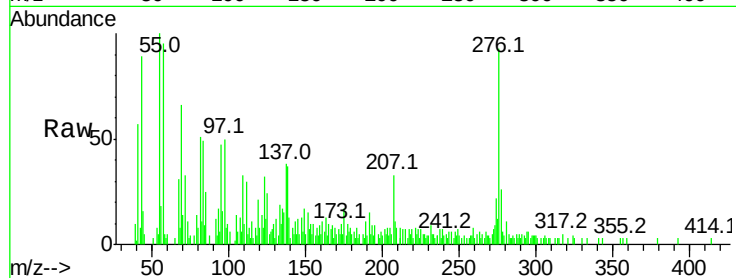
Tot Ion:276 Resp: 22757

Ion Ratio Lower Upper

276 100

277 28.3 18.6 28.0#

138 40.0 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

