

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070217\
 Data File : BF096424.D
 Acq On : 2 Jul 2017 18:59
 Operator : SJ/MA
 Sample : I3950-02 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 04:34:38 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	136615	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	515444	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	174520	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	277375	20.00	ng	0.00
75) Chrysene-d12	13.87	240	187423	20.00	ng	0.00
86) Perylene-d12	15.29	264	135621	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	457023	49.38	ng	0.00
7) Phenol-d6	6.36	99	528346	46.43	ng	-0.01
23) Nitrobenzene-d5	7.29	82	297663	34.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	68862	50.51	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	454098	44.49	ng	0.00
78) Terphenyl-d14	12.83	244	312335	35.61	ng	0.00

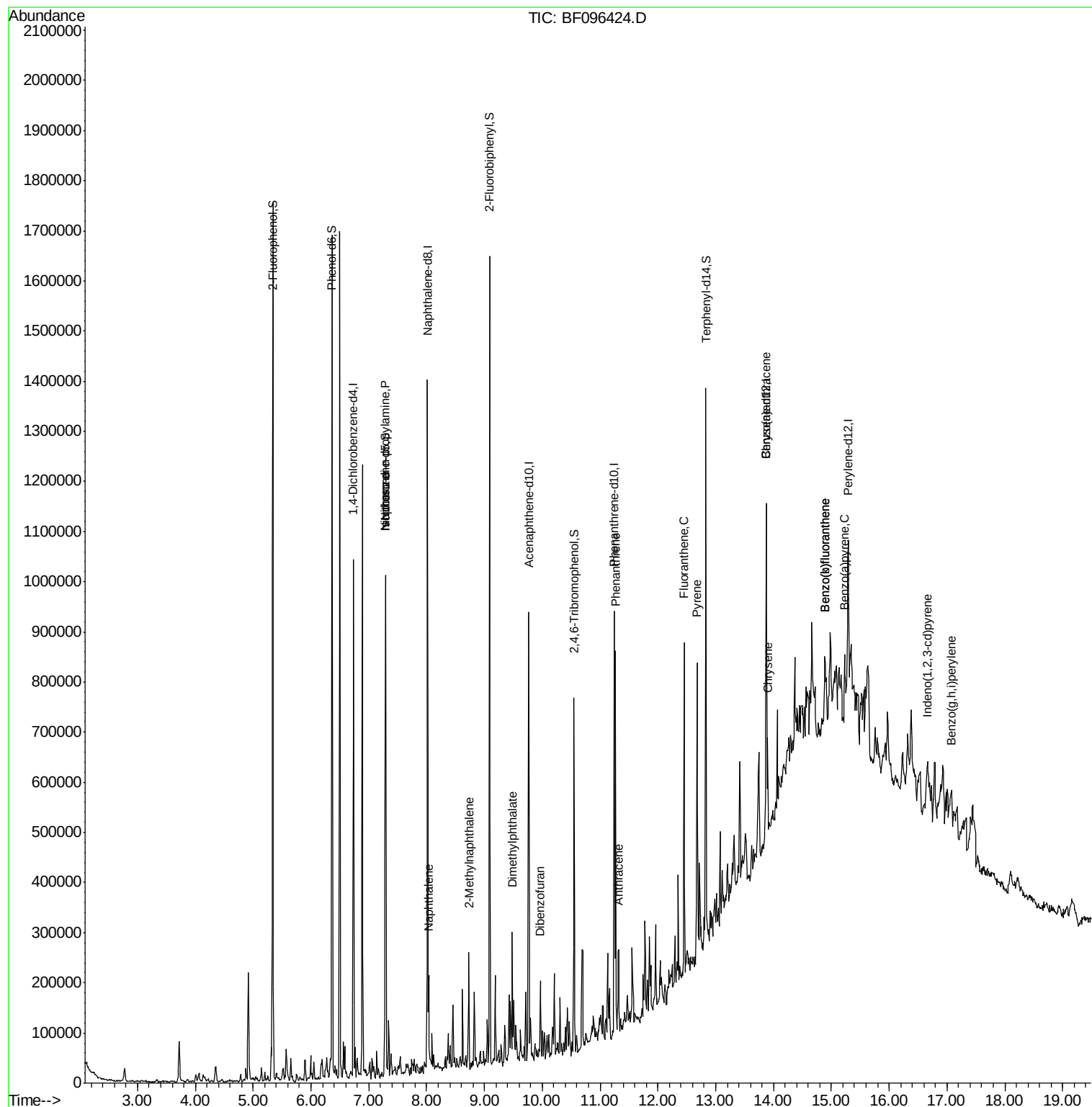
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	38921	5.74	ng	# 87
25) Isophorone	7.29	82	293506	17.65	ng	# 67
31) Naphthalene	8.03	128	70479	2.90	ng	99
37) 2-Methylnaphthalene	8.73	142	52894	3.41	ng	97
49) Dimethylphthalate	9.48	163	78564	6.03	ng	98
54) Dibenzofuran	9.97	168	29792	2.07	ng	# 92
70) Phenanthrene	11.27	178	250742	16.72	ng	98
71) Anthracene	11.32	178	60484	3.96	ng	98
74) Fluoranthene	12.45	202	262201	17.84	ng	97
77) Pyrene	12.68	202	223274	14.84	ng	98
80) Benzo(a)anthracene	13.87	228	74761	6.89	ng	93
82) Chrysene	13.90	228	80422	7.08	ng	96
85) Indeno(1,2,3-cd)pyrene	16.66	276	29739	3.31	ng	# 88
87) Benzo(b)fluoranthene	14.89	252	99028	11.65	ng	# 86
88) Benzo(k)fluoranthene	14.89	252	99028	13.03	ng	# 90
89) Benzo(a)pyrene	15.23	252	46706	6.16	ng	# 80
91) Benzo(a,h,i)perylene	17.07	276	29540	4.78	ng	# 85

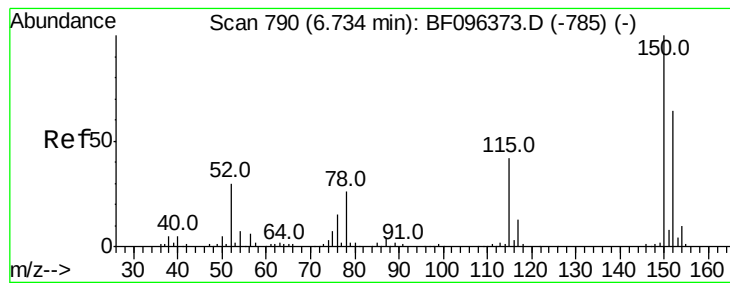
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070217\
Data File : BF096424.D
Acq On : 2 Jul 2017 18:59
Operator : SJ/MA
Sample : I3950-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 03 04:34:38 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



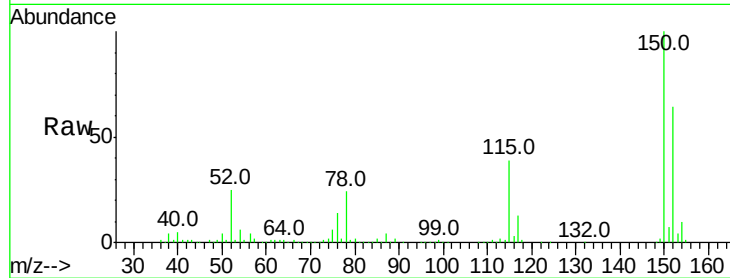


#1

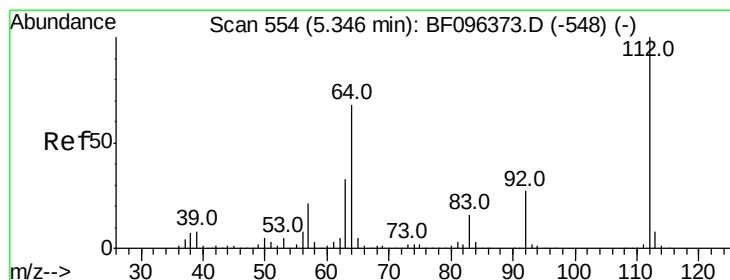
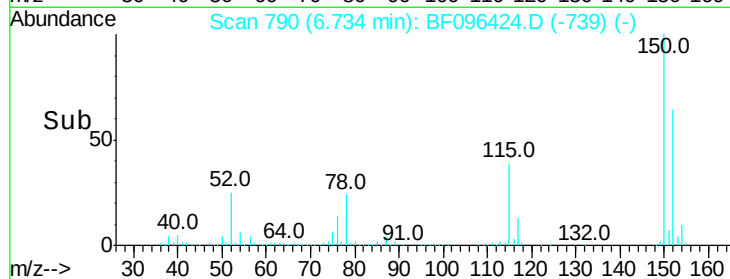
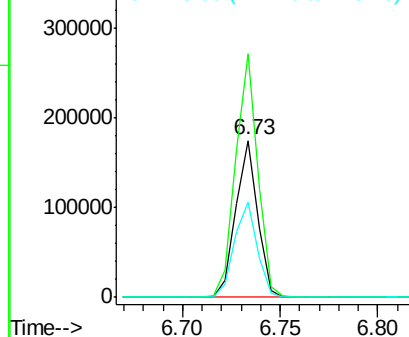
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136615
Ion Ratio Lower Upper
152 100
150 155.5 126.2 189.2
115 60.5 52.2 78.2



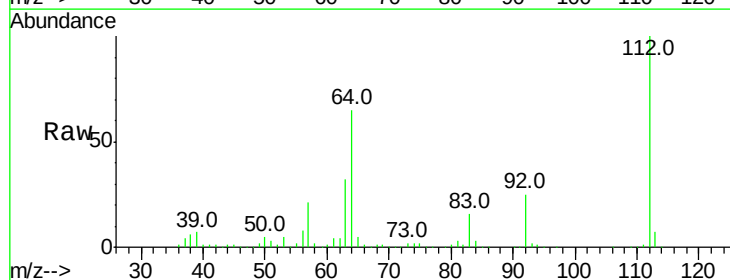
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



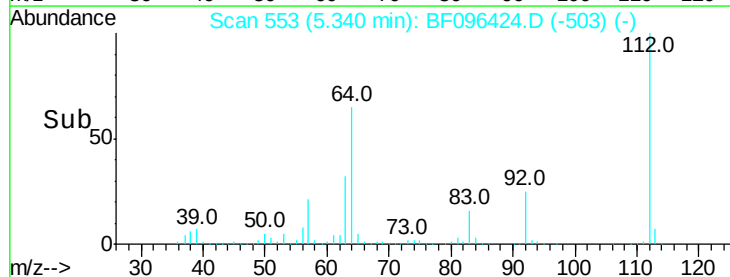
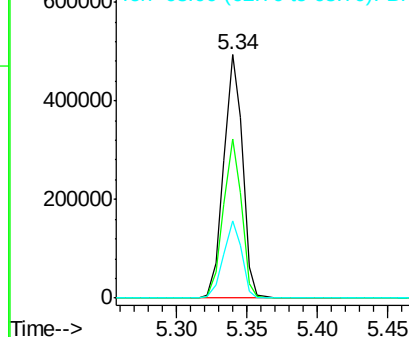
#5

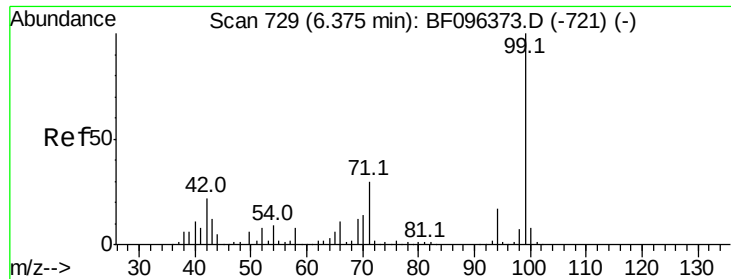
2-Fluorophenol
Concen: 49.38 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Tgt Ion:112 Resp: 457023
Ion Ratio Lower Upper
112 100
64 65.2 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: 46.43 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

ClientSampleId :

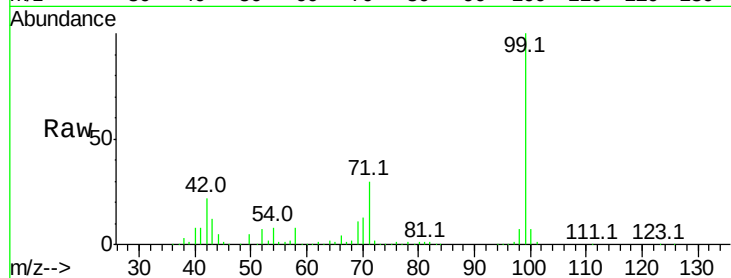
Tot Ion: 99 Resp: 528346

Ion Ratio Lower Upper

99 100

42 21.6 13.5 20.3#

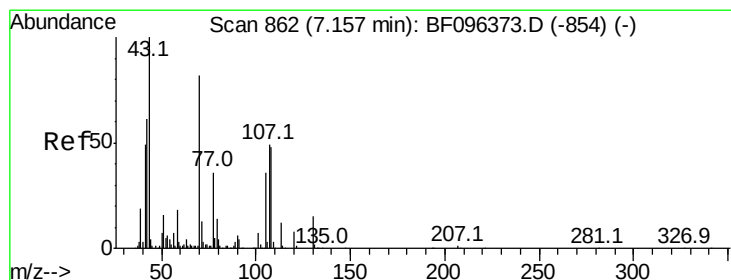
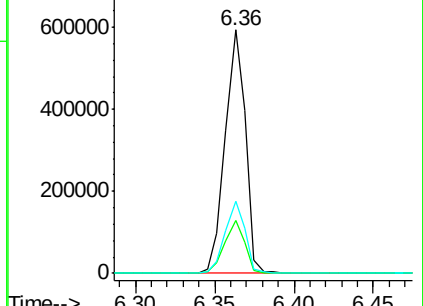
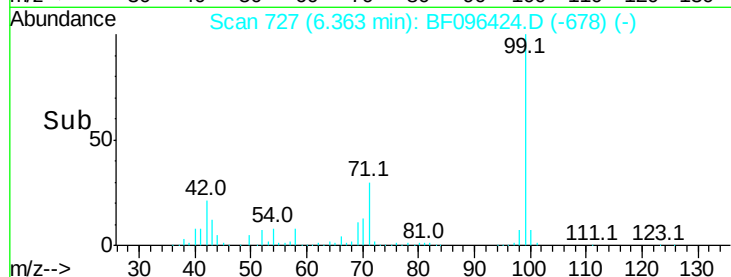
71 29.5 24.5 36.7



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: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Tgt Ion: 70 Resp: 38921

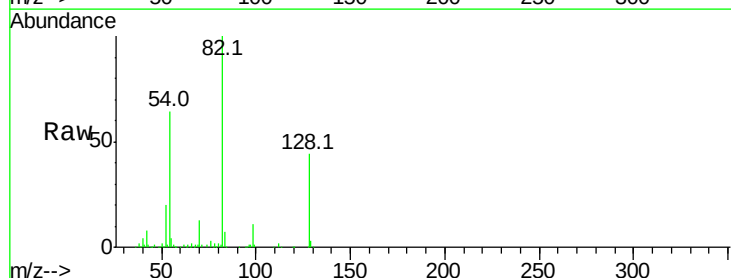
Ion Ratio Lower Upper

70 100

42 61.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

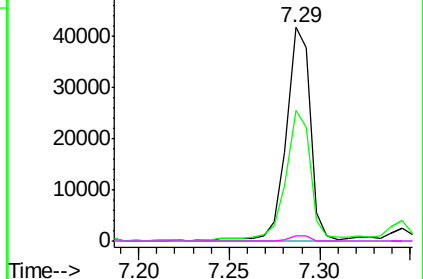
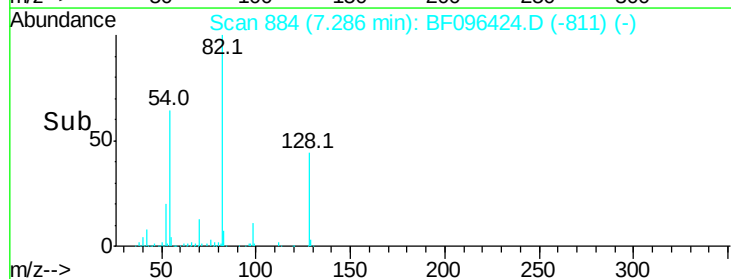


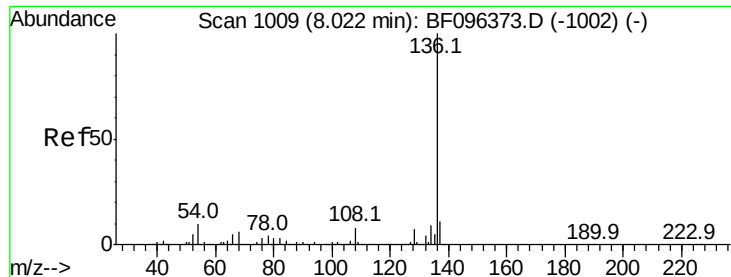
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 515444

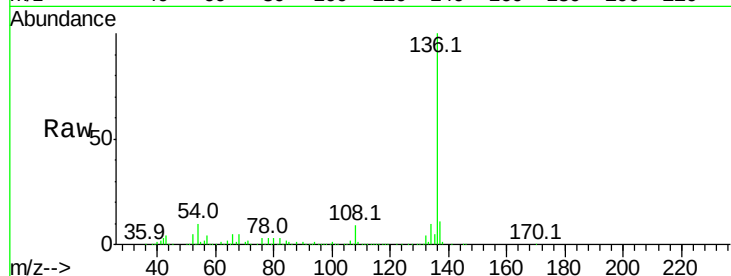
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.2 4.9 7.3#

68 5.4 4.1 6.1

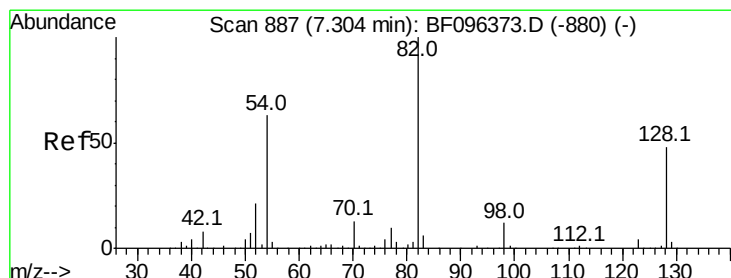
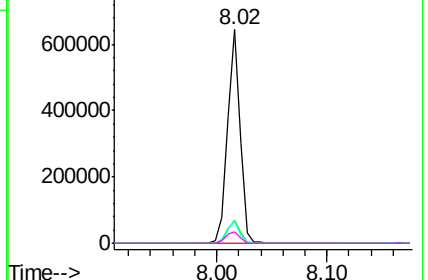
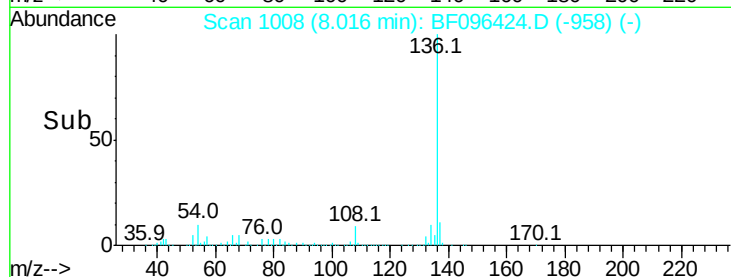


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.70 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

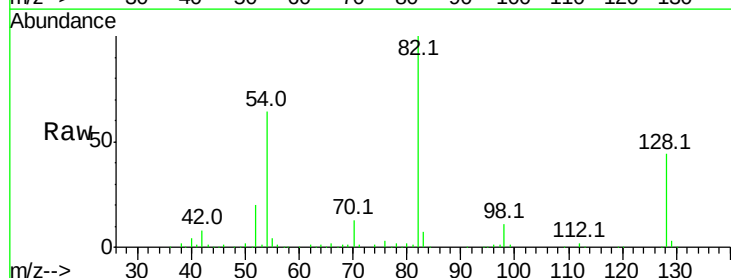
Tgt Ion: 82 Resp: 297663

Ion Ratio Lower Upper

82 100

128 44.1 34.0 51.0

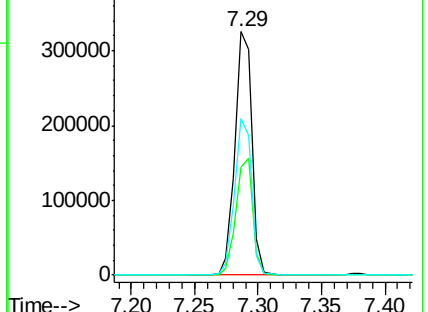
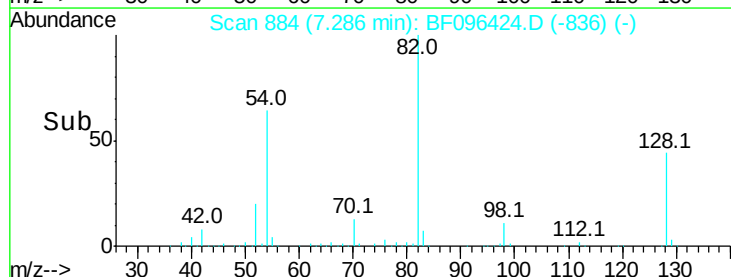
54 64.1 42.2 63.2#

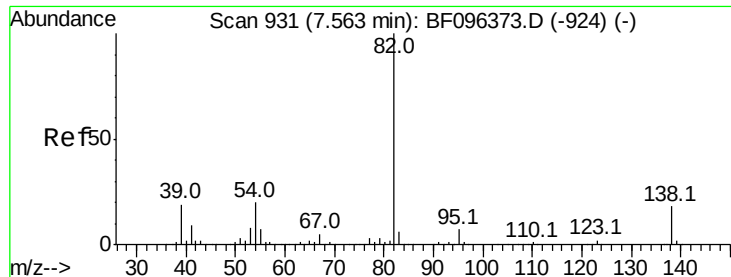


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 17.65 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

ClientSampleId :

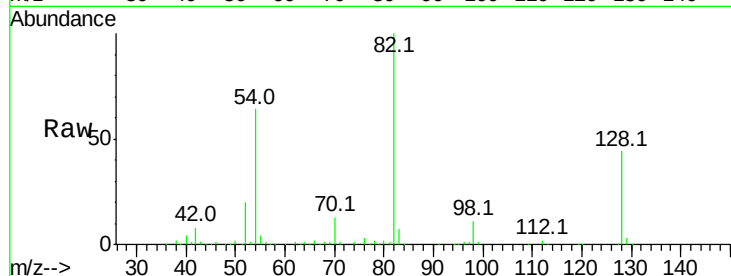
Tot Ion: 82 Resp: 293506

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

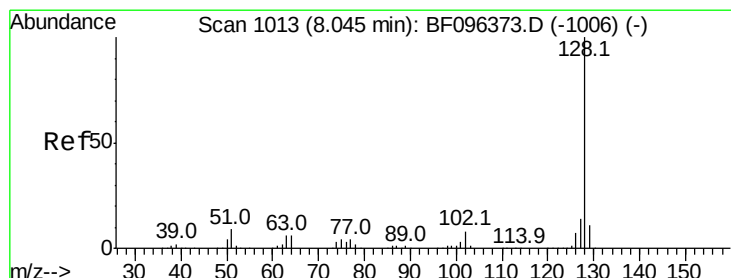
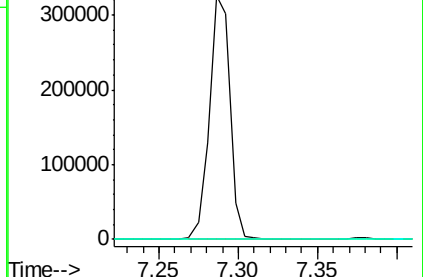
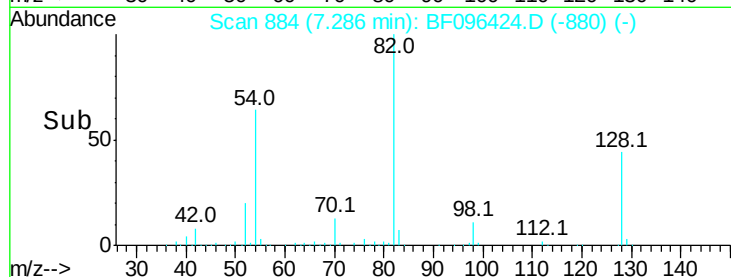
138 0.0 13.1 19.7#



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



#31

Naphthalene

Concen: 2.90 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

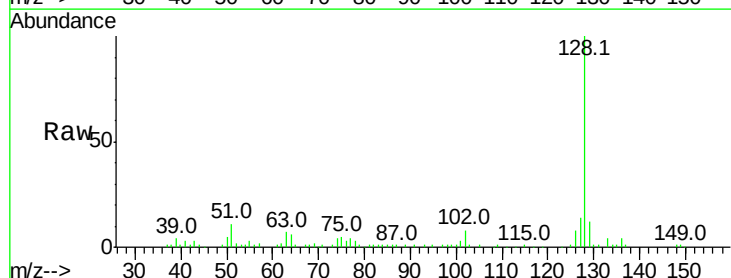
Tgt Ion:128 Resp: 70479

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

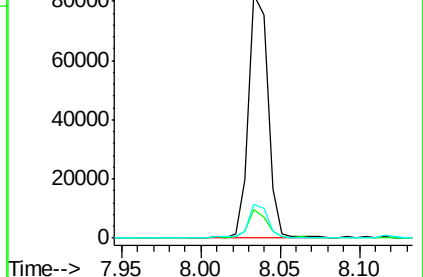
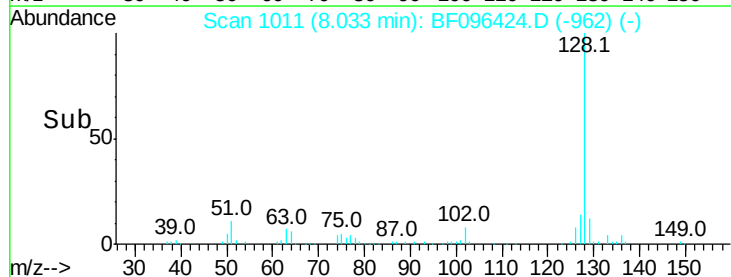
127 13.8 10.8 16.2

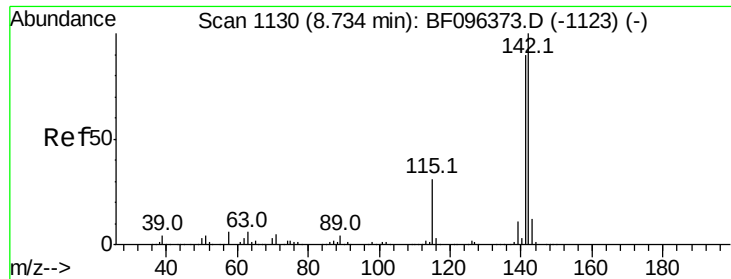


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

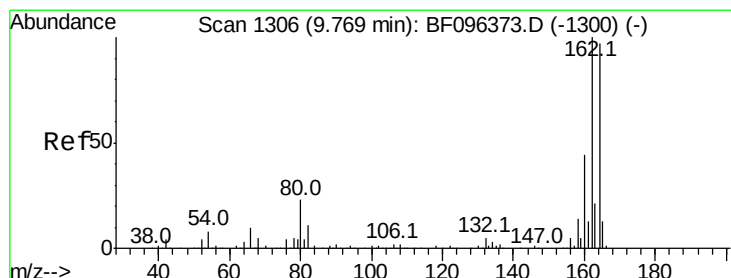
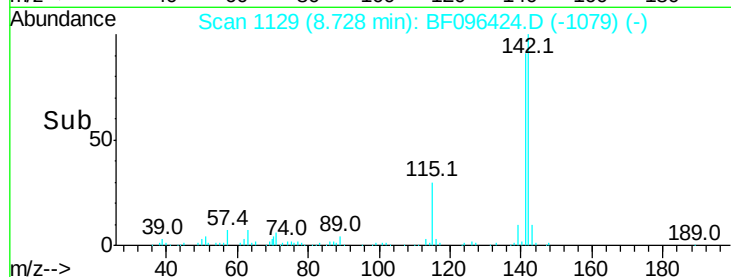
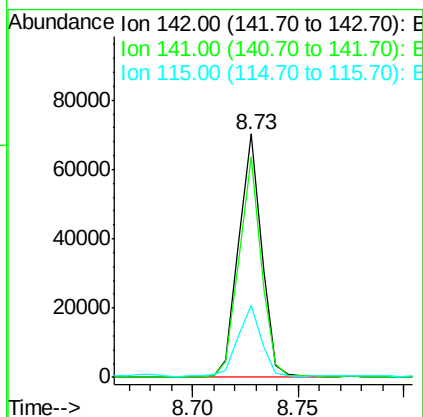
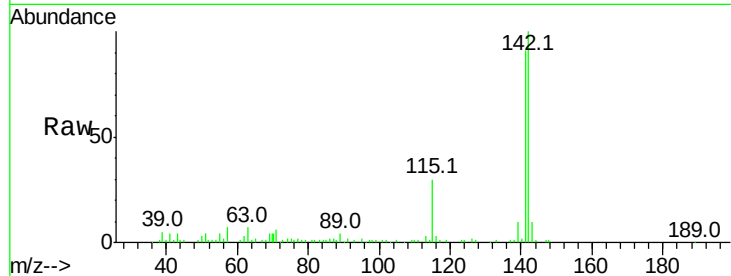




#37
 2-Methylnaphthalene
 Concen: 3.41 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF096424.D
 Acq: 2 Jul 2017 18:59

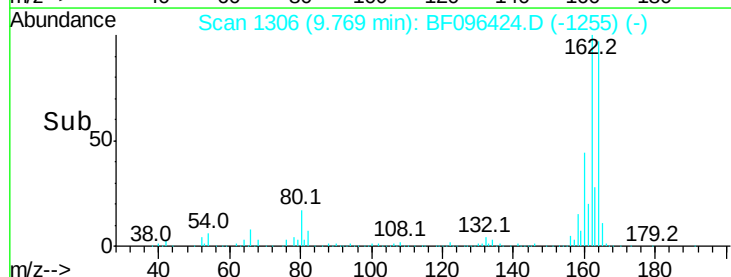
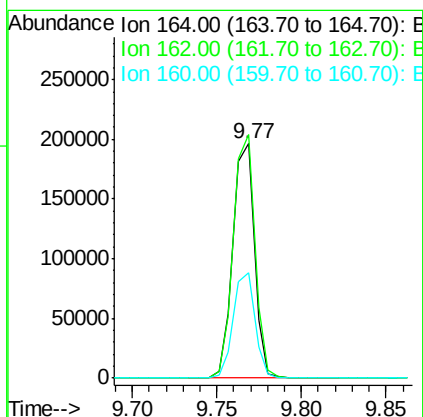
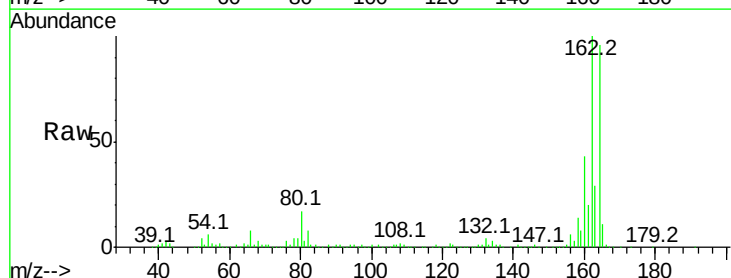
Instrument :
 BNA_F
 ClientSampleId :

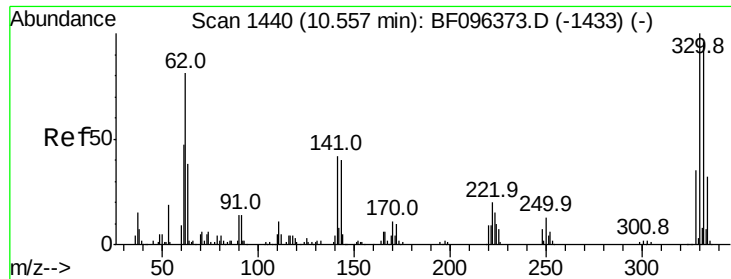
Tot Ion:142 Resp: 52894
 Ion Ratio Lower Upper
 142 100
 141 90.7 71.3 106.9
 115 29.7 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF096424.D
 Acq: 2 Jul 2017 18:59

Tgt Ion:164 Resp: 174520
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.6 123.8
 160 45.0 36.2 54.2

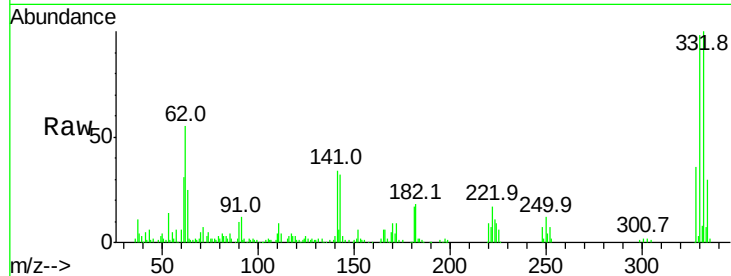




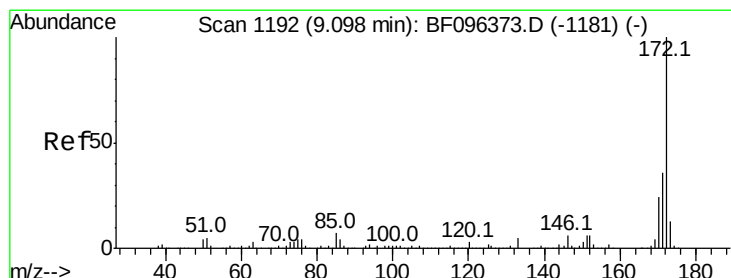
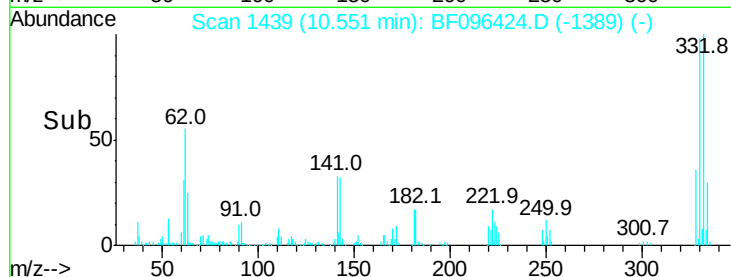
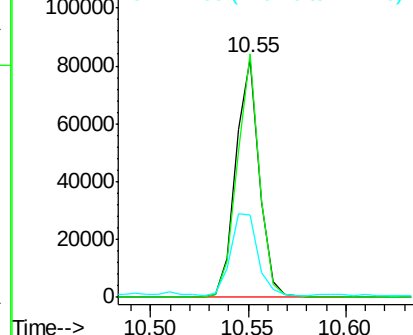
#41
 2,4,6-Tribromophenol
 Concen: 50.51 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096424.D
 Acq: 2 Jul 2017 18:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 68862
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 39.7 31.4 47.2

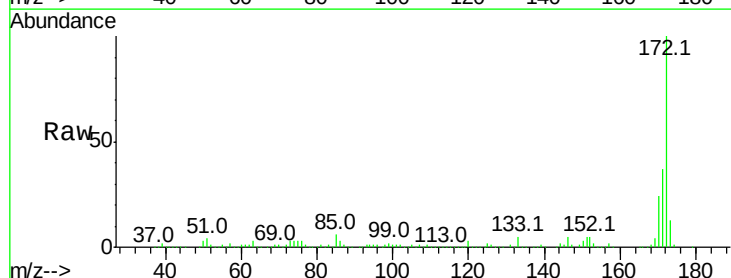


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

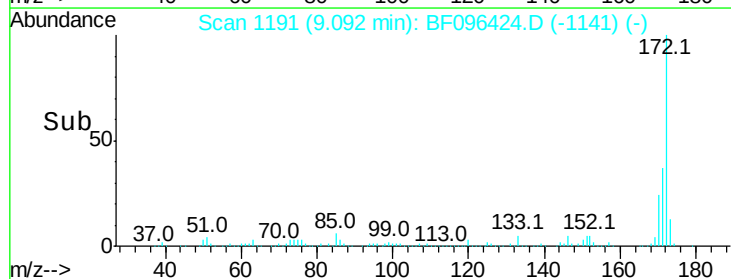
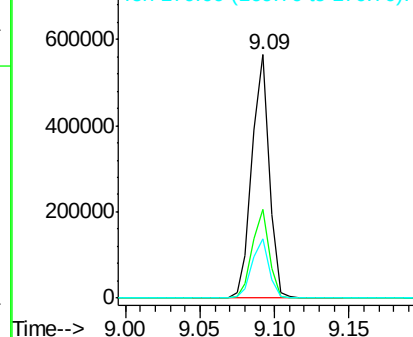


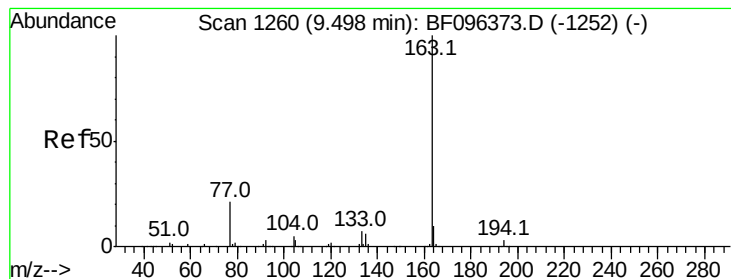
#44
 2-Fluorobiphenyl
 Concen: 44.49 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096424.D
 Acq: 2 Jul 2017 18:59

Tgt Ion:172 Resp: 454098
 Ion Ratio Lower Upper
 172 100
 171 36.5 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: 6.03 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

ClientSampleId :

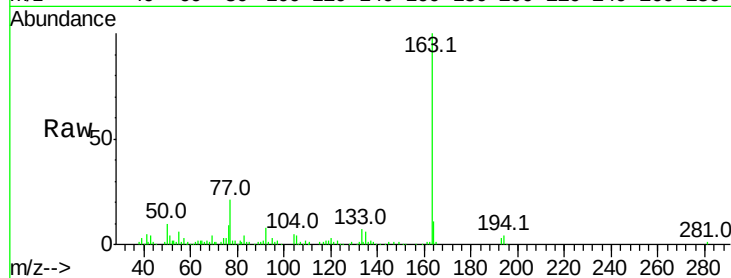
Tot Ion:163 Resp: 78564

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

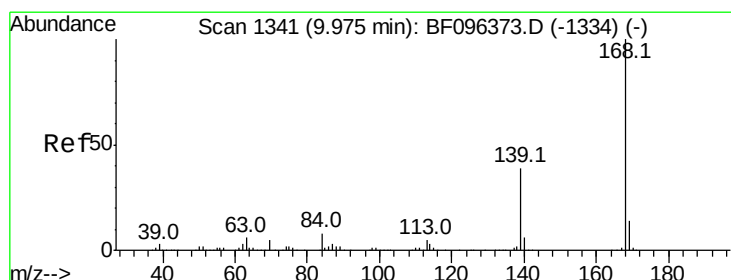
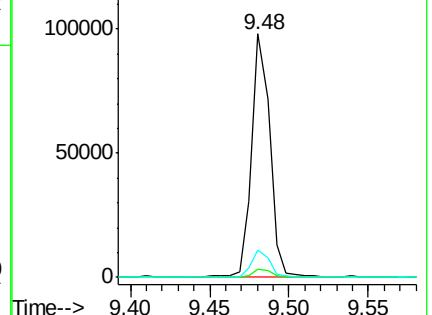
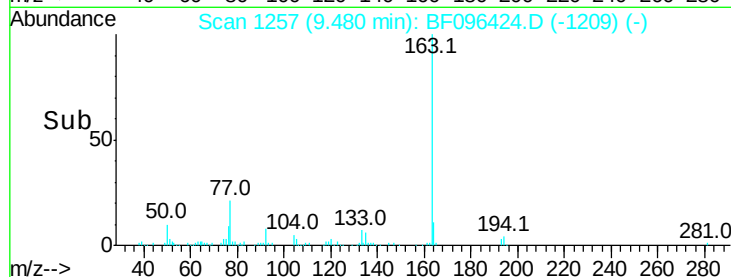
164 11.2 8.4 12.6



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



#54

Dibenzofuran

Concen: 2.07 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

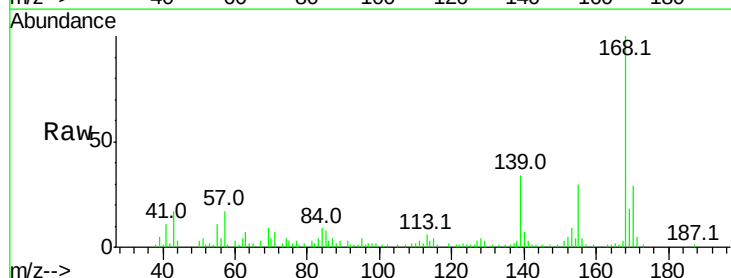
Tgt Ion:168 Resp: 29792

Ion Ratio Lower Upper

168 100

139 34.0 30.6 45.8

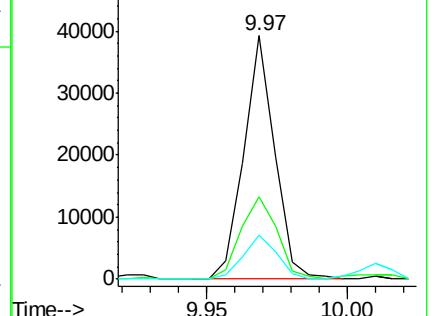
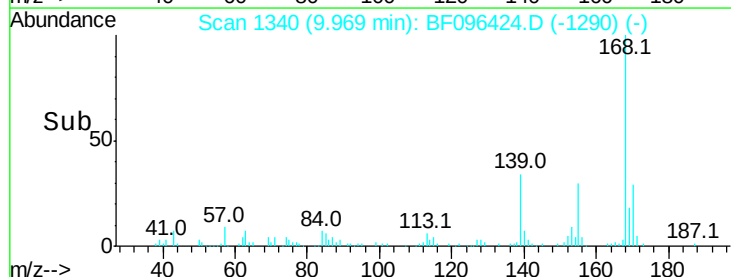
169 18.1 10.8 16.2#

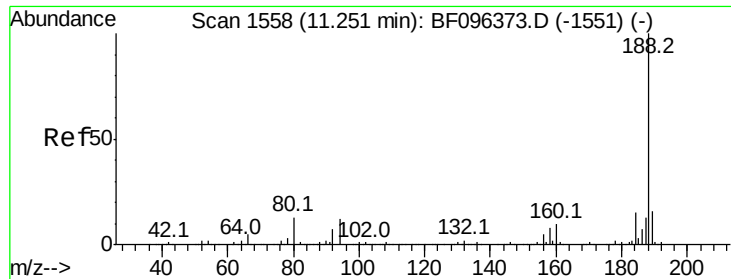


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

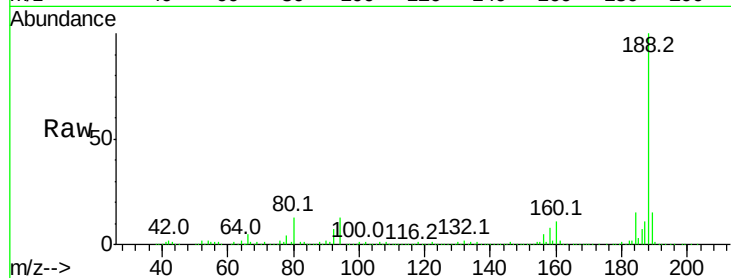




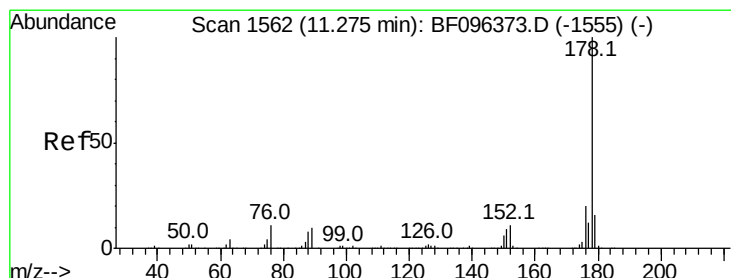
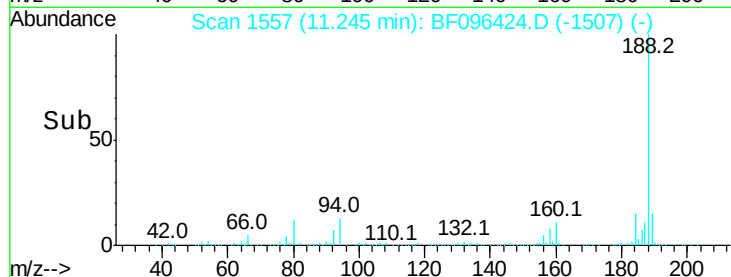
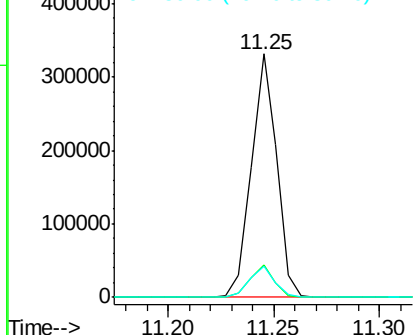
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 277375
Ion Ratio Lower Upper
188 100
94 13.1 9.4 14.2
80 12.6 10.2 15.2

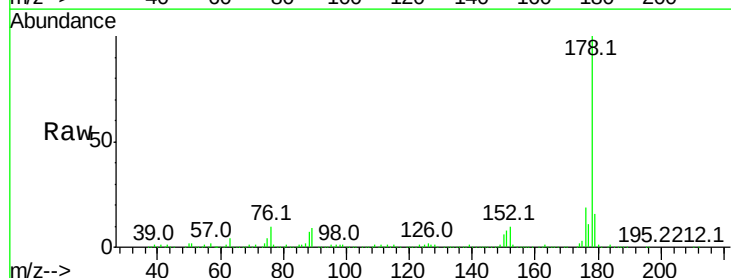


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

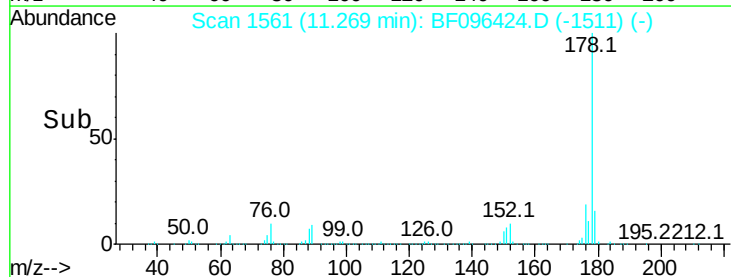
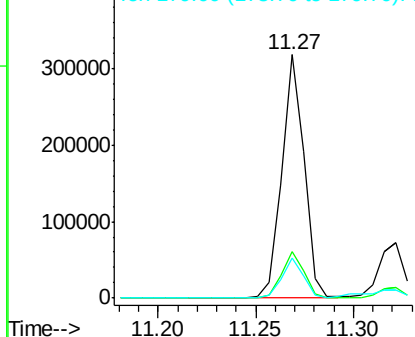


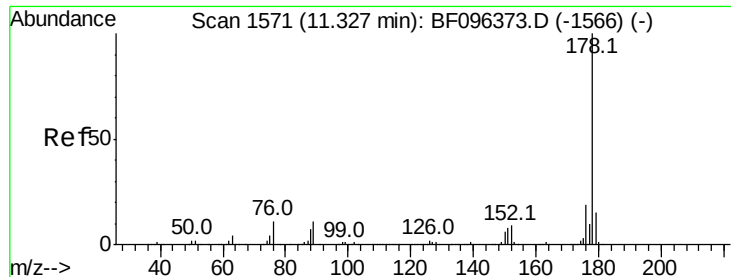
#70
Phenanthrene
Concen: 16.72 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Tgt Ion:178 Resp: 250742
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 16.3 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: 3.96 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

ClientSampleId :

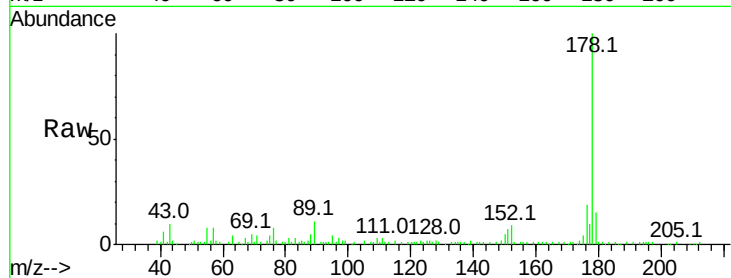
Tot Ion:178 Resp: 60484

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

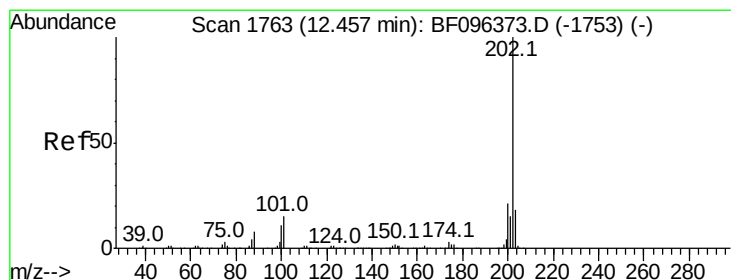
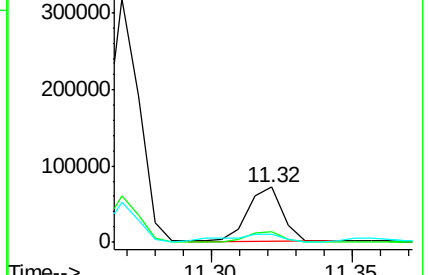
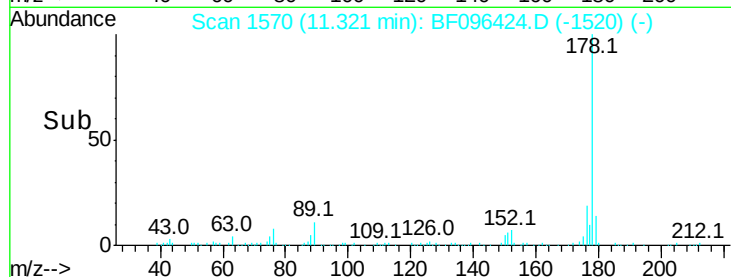
179 14.8 12.7 19.1



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: 17.84 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

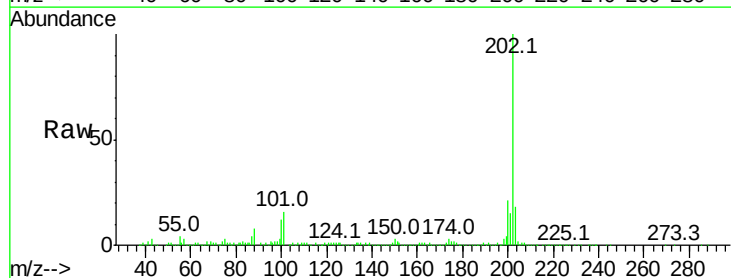
Tgt Ion:202 Resp: 262201

Ion Ratio Lower Upper

202 100

101 16.0 0.0 33.2

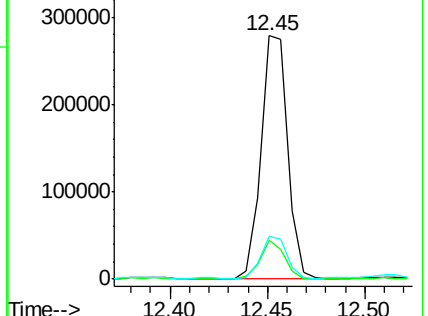
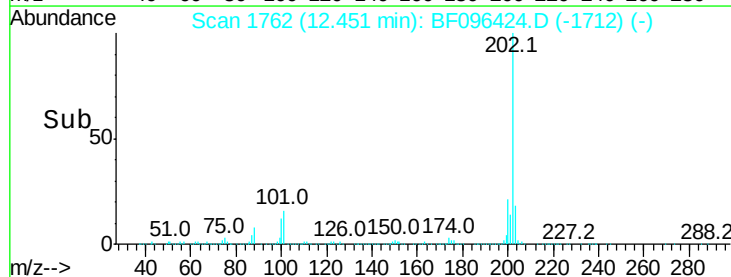
203 17.8 0.0 38.1

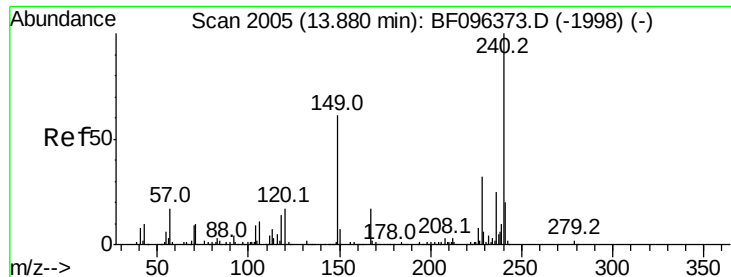


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

ClientSampleId :

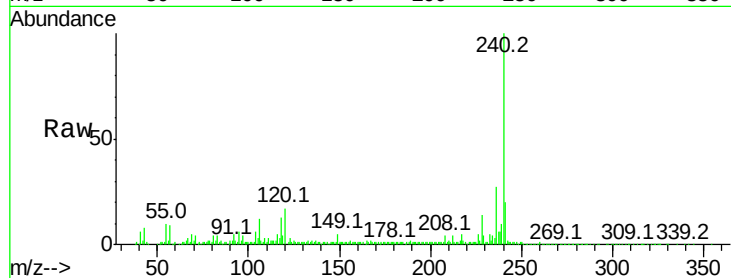
Tot Ion:240 Resp: 187423

Ion Ratio Lower Upper

240 100

120 16.6 5.8 8.8#

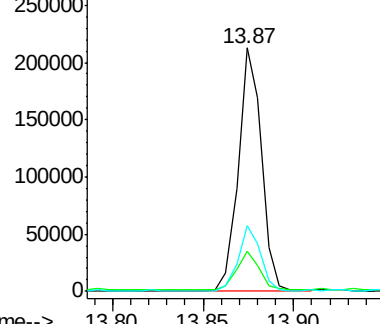
236 27.1 20.5 30.7



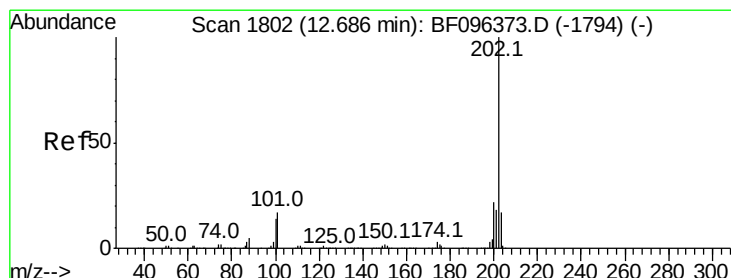
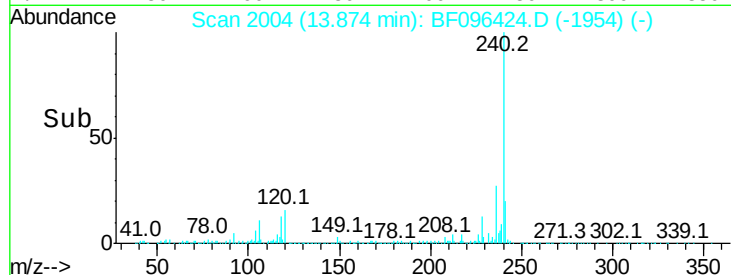
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 14.84 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

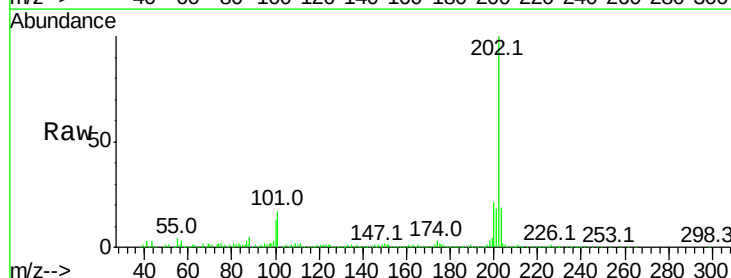
Tgt Ion:202 Resp: 223274

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

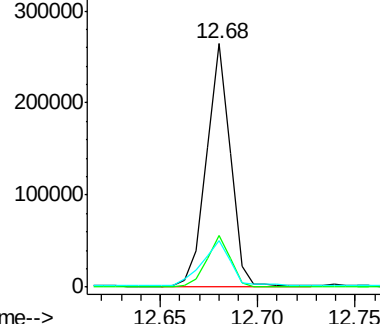
203 18.9 14.4 21.6



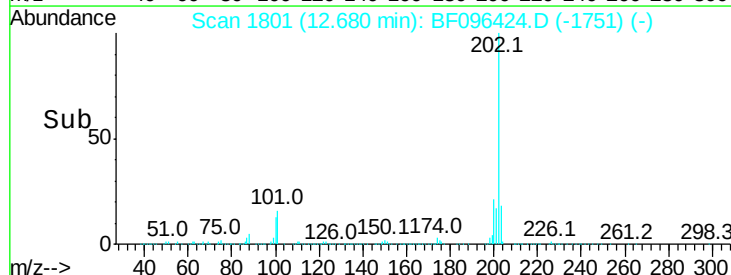
Abundance Ion 202.00 (201.70 to 202.70): E

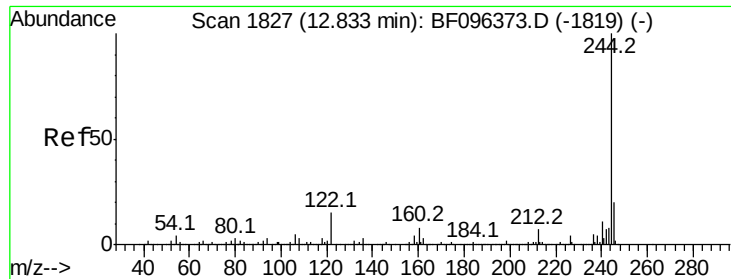
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 35.61 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

ClientSampled :

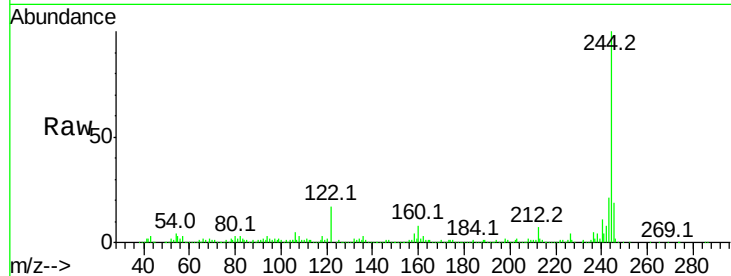
Tot Ion:244 Resp: 312335

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

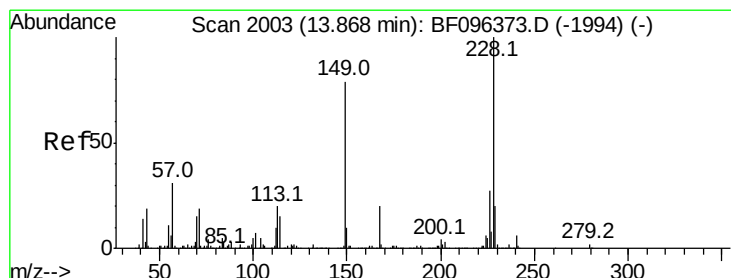
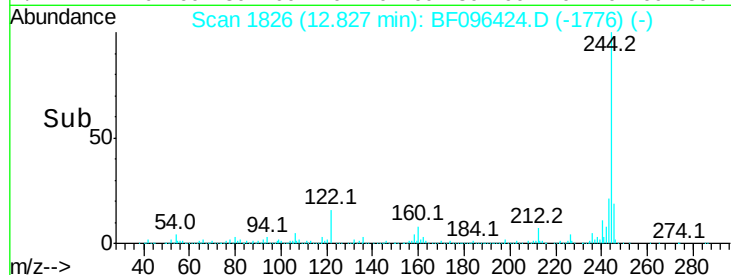
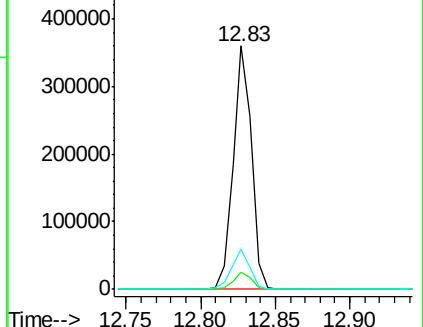
122 16.7 10.3 15.5#



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: 6.89 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

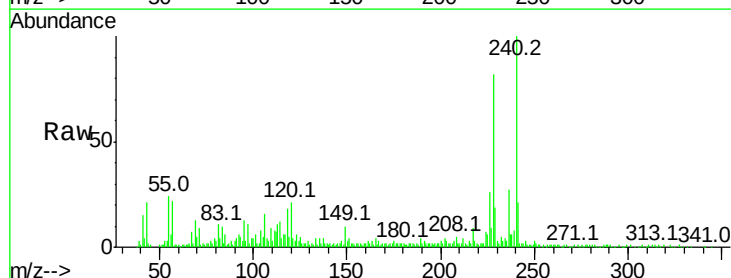
Tgt Ion:228 Resp: 74761

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

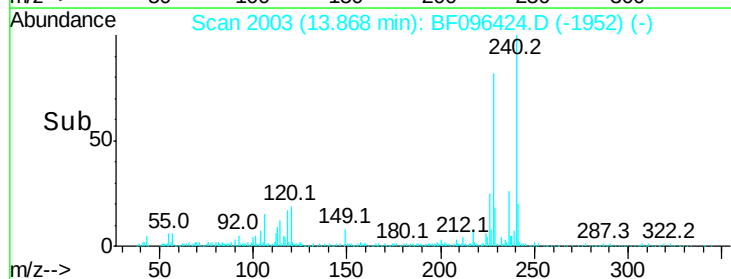
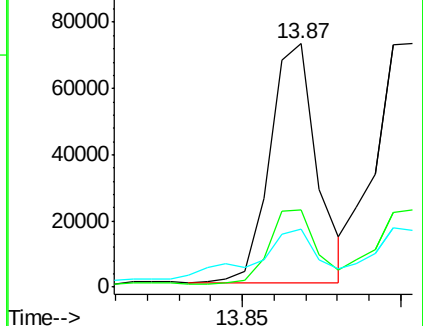
229 23.7 16.3 24.5

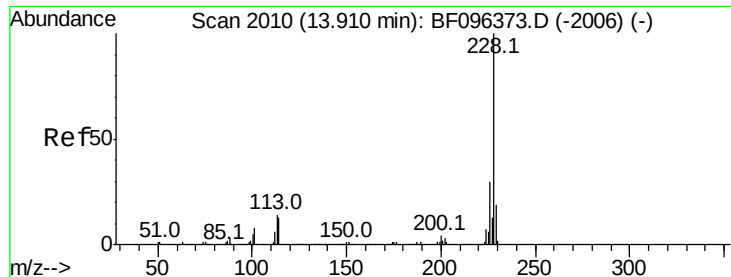


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.08 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

ClientSampled :

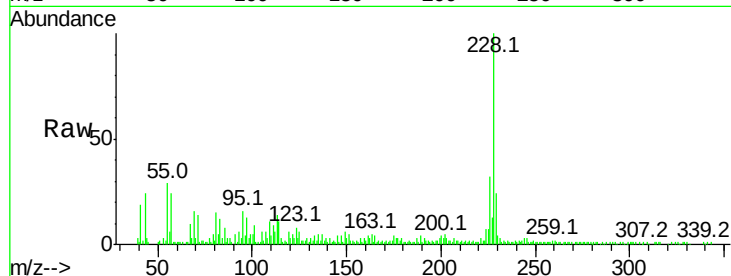
Tot Ion:228 Resp: 80422

Ion Ratio Lower Upper

228 100

226 31.6 24.9 37.3

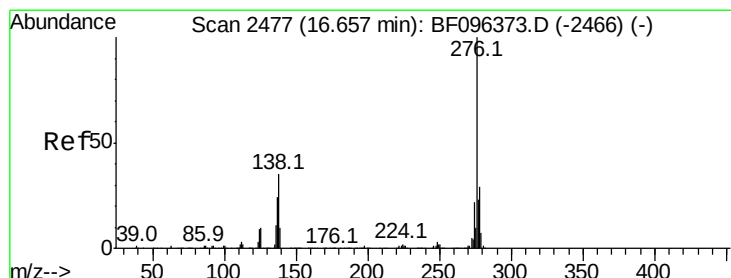
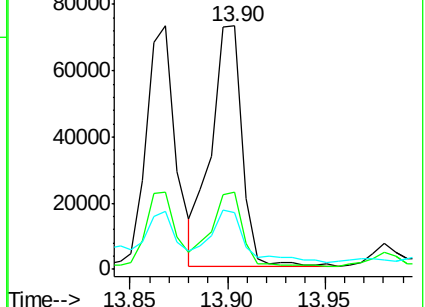
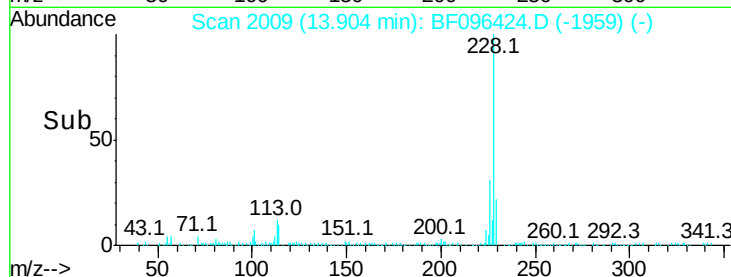
229 23.6 15.8 23.6



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: 3.31 ng

RT: 16.66 min Scan# 2478

Delta R.T. 0.01 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

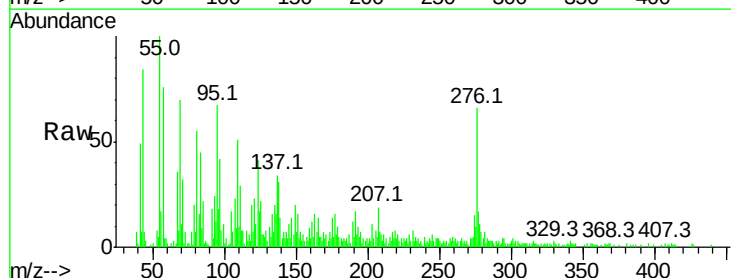
Tgt Ion:276 Resp: 29739

Ion Ratio Lower Upper

276 100

138 45.2 27.8 41.6#

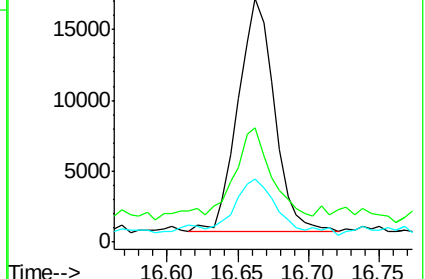
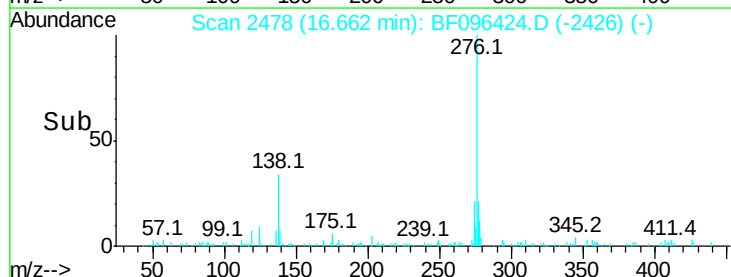
277 23.3 20.2 30.4

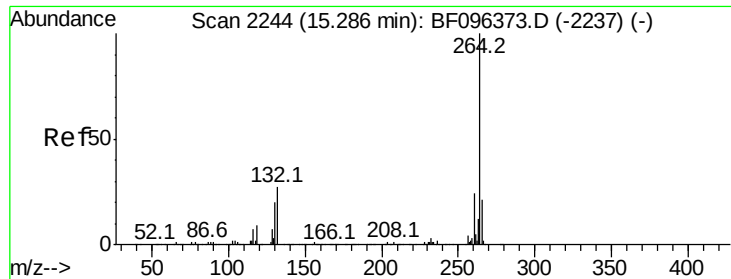


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



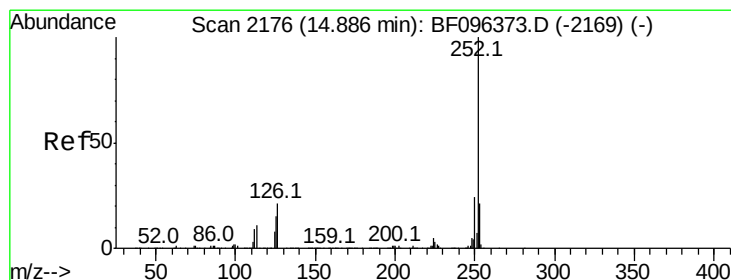
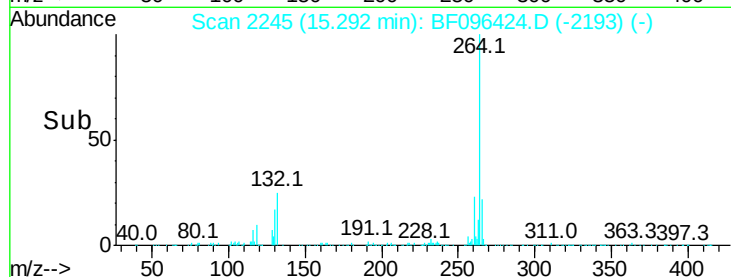
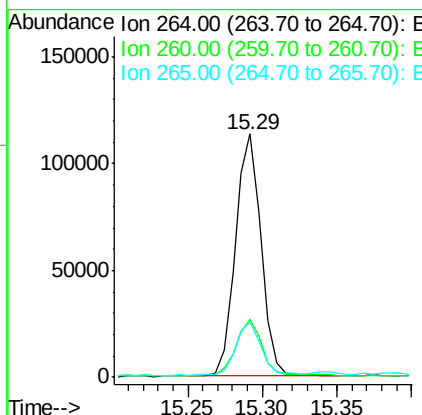
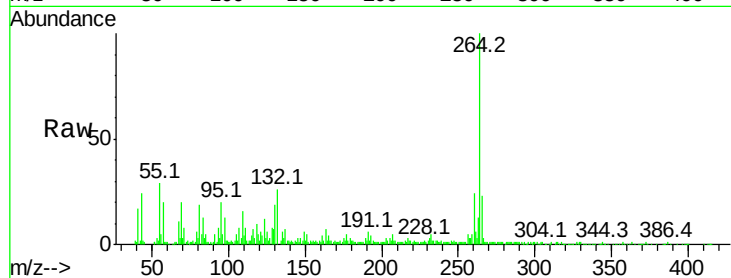


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 135621

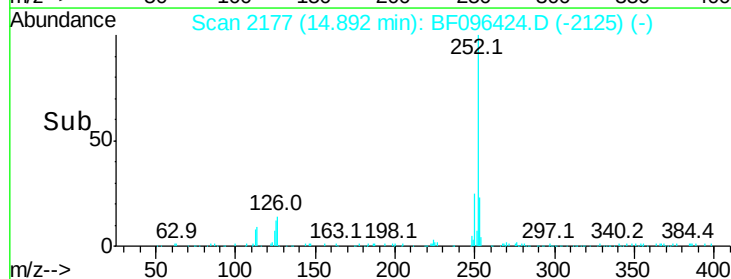
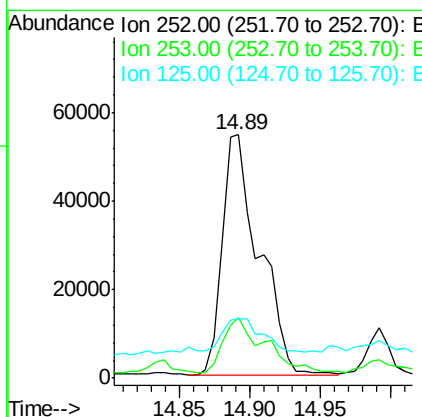
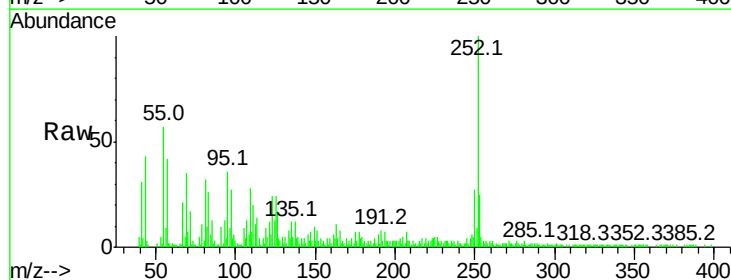
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	23.0	17.2	25.8

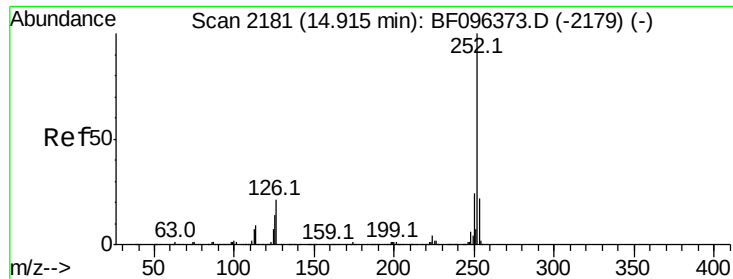


#87
Benzo(b)fluoranthene
Concen: 11.65 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Tgt Ion:252 Resp: 99028

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	24.3	9.8	14.8#

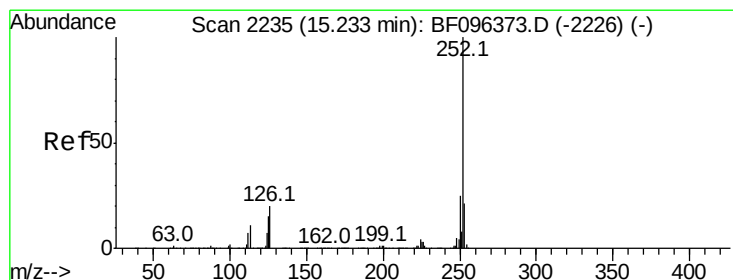
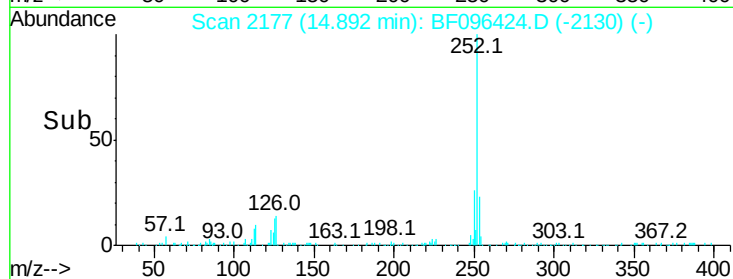
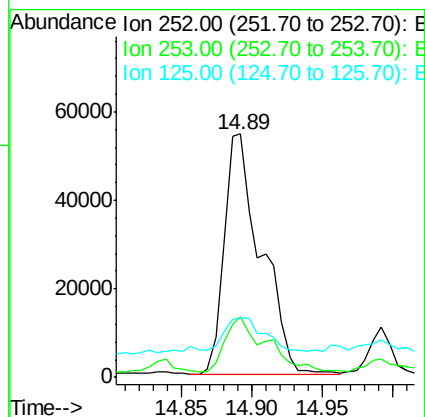
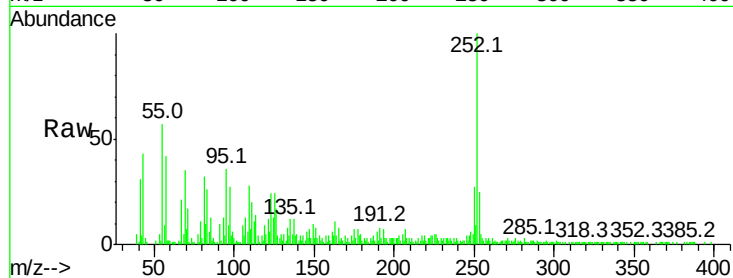




#88
Benzo(k)fluoranthene
Concen: 13.03 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

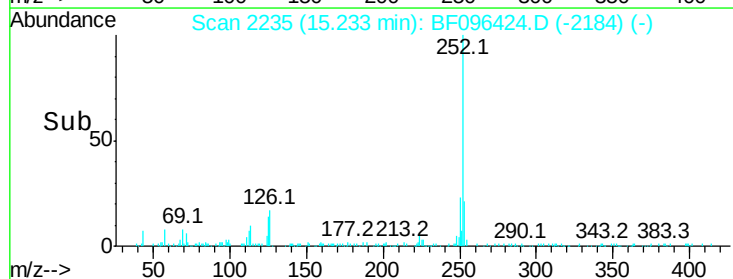
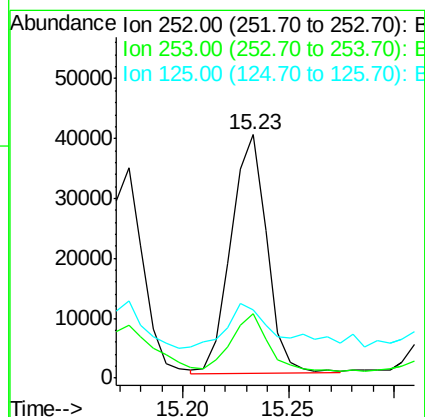
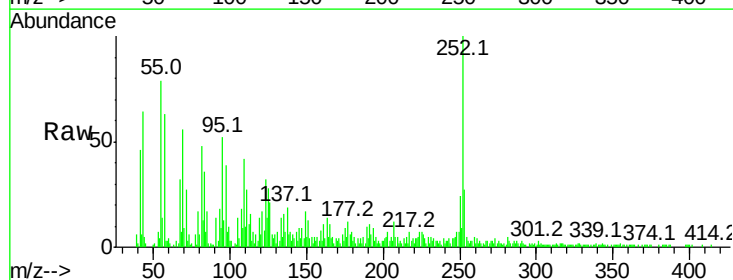
Instrument :
BNA_F
ClientSampleId :

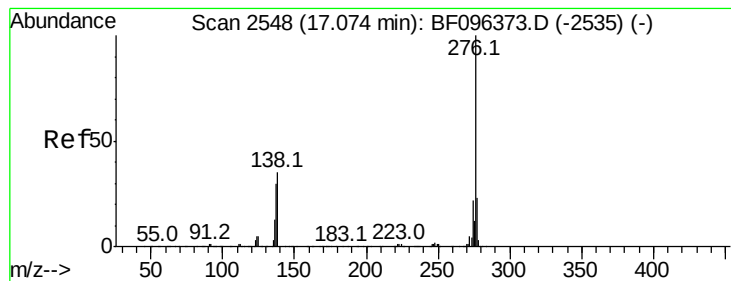
Tot Ion:252 Resp: 99028
Ion Ratio Lower Upper
252 100
253 25.0 18.4 27.6
125 24.3 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 6.16 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF096424.D
Acq: 2 Jul 2017 18:59

Tgt Ion:252 Resp: 46706
Ion Ratio Lower Upper
252 100
253 26.6 17.5 26.3#
125 28.0 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 4.78 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.00 min

Lab File: BF096424.D

Acq: 2 Jul 2017 18:59

Instrument :

BNA_F

ClientSampleId :

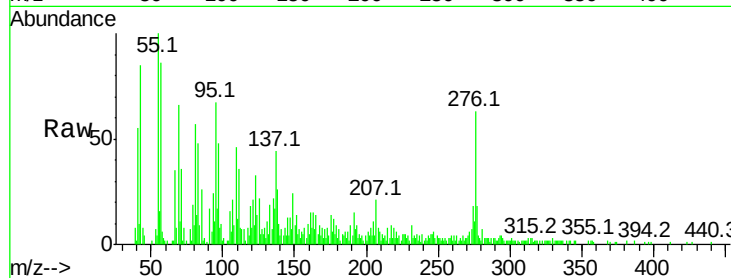
Tot Ion:276 Resp: 29540

Ion Ratio Lower Upper

276 100

277 28.5 18.6 28.0#

138 42.0 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

