

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090217\
 Data File : BF098255.D
 Acq On : 2 Sep 2017 19:36
 Operator : SJ/JU
 Sample : I5066-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 07:25:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	112295	20.00	ng	-0.04
21) Naphthalene-d8	7.99	136	422322	20.00	ng	-0.04
38) Acenaphthene-d10	9.75	164	165481	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	272647	20.00	ng	-0.04
75) Chrysene-d12	13.86	240	264031	20.00	ng	-0.04
86) Perylene-d12	15.27	264	248903	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	725323	98.25	ng	-0.03
7) Phenol-d6	6.36	99	964650	96.17	ng	-0.03
23) Nitrobenzene-d5	7.27	82	583923	75.11	ng	-0.05
41) 2,4,6-Tribromophenol	10.53	330	140142	97.60	ng	-0.04
44) 2-Fluorobiphenyl	9.07	172	733256	65.10	ng	-0.04
78) Terphenyl-d14	12.81	244	497639	39.30	ng	-0.04

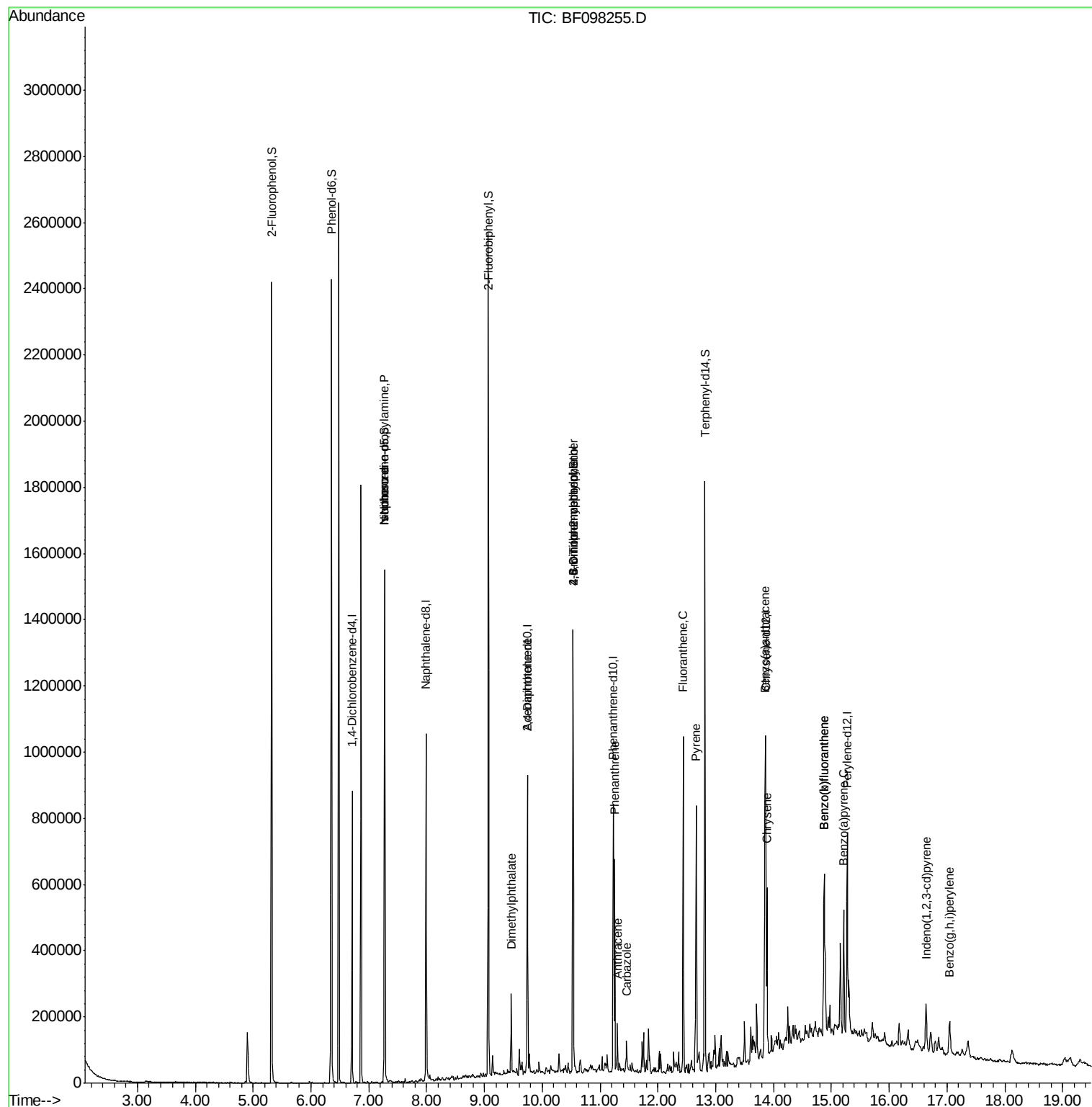
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.27	70	77614	11.303	ng	# 71
25) Isophorone	7.27	82	569067	35.204	ng	# 67
49) Dimethylphthalate	9.46	163	81205	6.713	ng	99
56) 2,4-Dinitrotoluene	9.75	165	20719	6.838	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.53	198	287	8.505	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	9379	3.313	ng	# 1
70) Phenanthrene	11.25	178	213283	14.680	ng	99
71) Anthracene	11.30	178	50984	3.460	ng	98
72) Carbazole	11.46	167	33115	2.367	ng	98
74) Fluoranthene	12.44	202	381553	25.161	ng	98
77) Pyrene	12.66	202	315601	14.615	ng	99
80) Benzo(a)anthracene	13.85	228	198036	12.515	ng	98
82) Chrysene	13.89	228	168719	10.718	ng	97
85) Indeno(1,2,3-cd)pyrene	16.64	276	85491	7.383	ng	# 88
87) Benzo(b)fluoranthene	14.87	252	318408	20.295	ng	99
88) Benzo(k)fluoranthene	14.87	252	318408	21.602	ng	97
89) Benzo(a)pyrene	15.22	252	158162	11.387	ng	98
91) Benzo(g,h,i)perylene	17.04	276	74536	6.317	ng	97

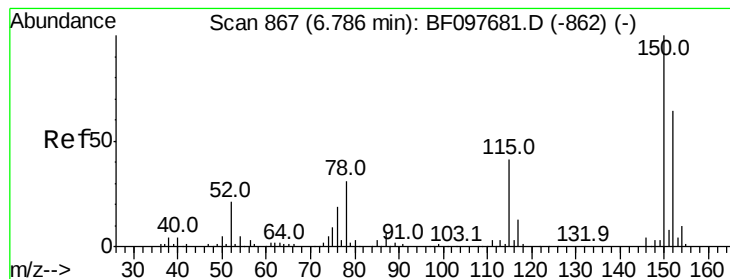
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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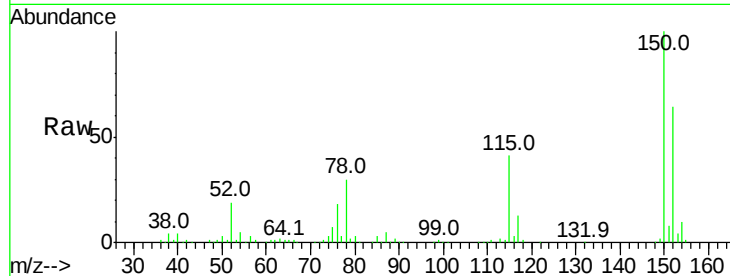


#1

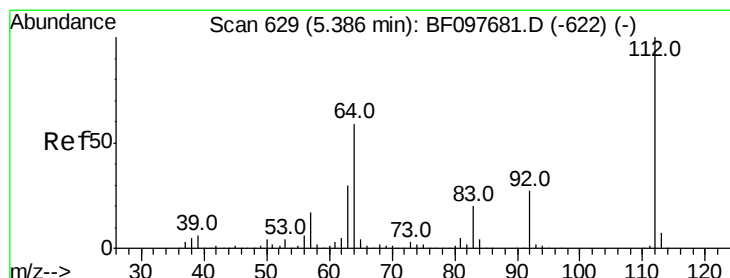
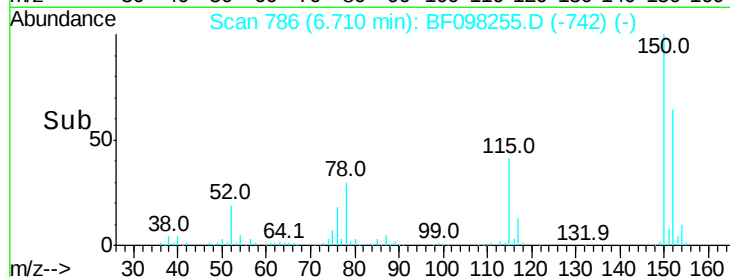
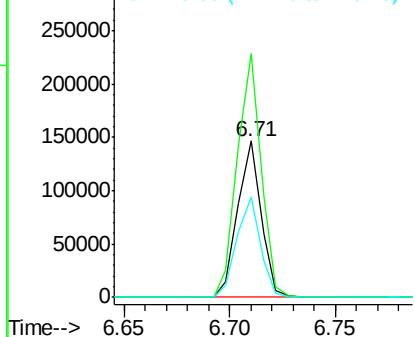
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.04 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112295
Ion Ratio Lower Upper
152 100
150 156.1 126.2 189.2
115 64.1 52.2 78.2



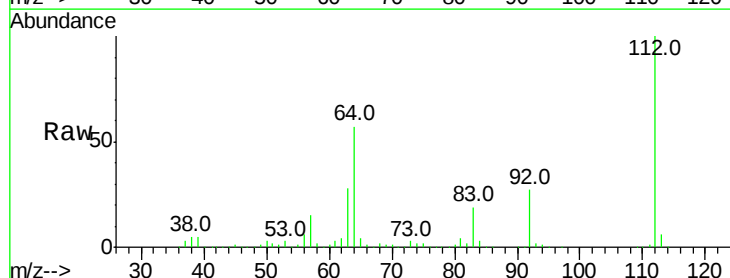
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



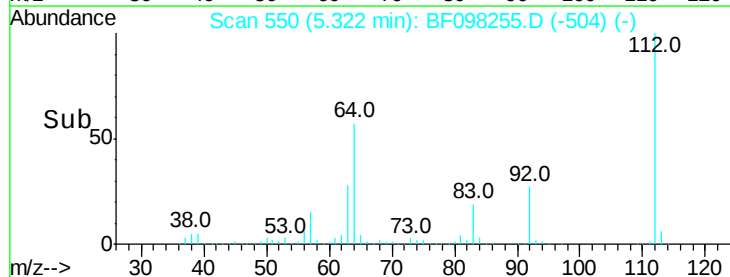
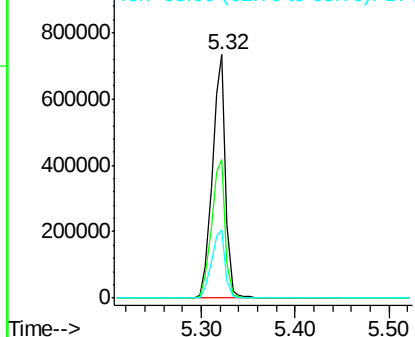
#5

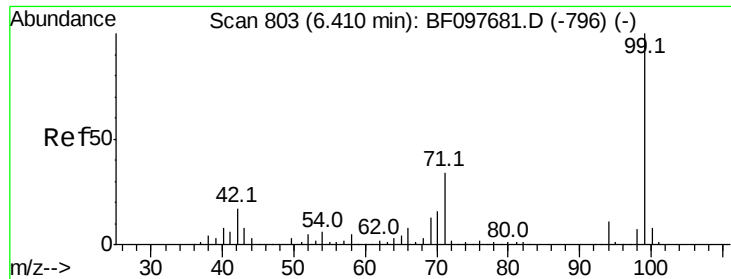
2-Fluorophenol
Concen: 98.247 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Tgt Ion:112 Resp: 725323
Ion Ratio Lower Upper
112 100
64 56.9 46.0 69.0
63 27.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.168 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

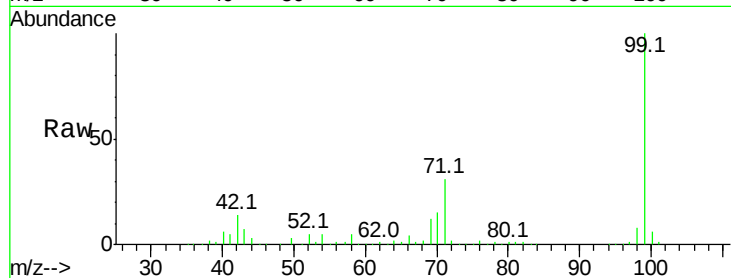
Tot Ion: 99 Resp: 964650

Ion Ratio Lower Upper

99 100

42 13.9 13.5 20.3

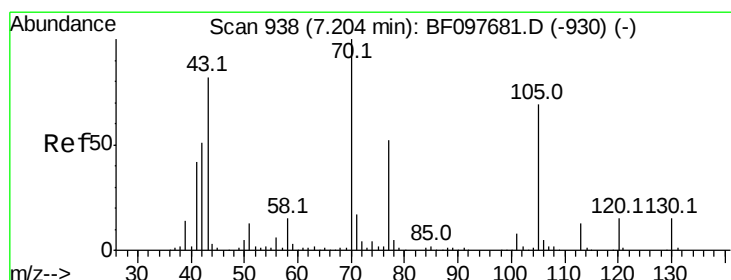
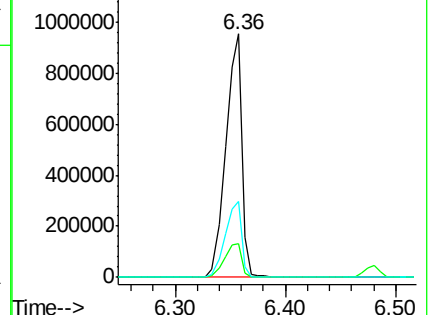
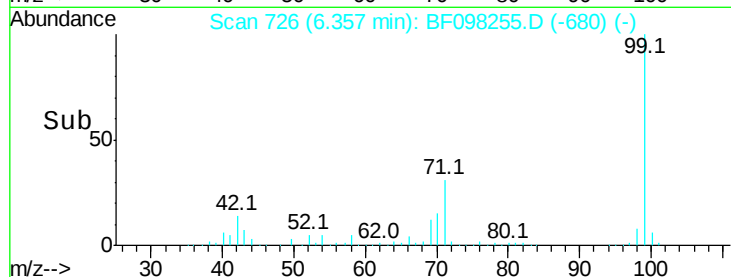
71 31.3 24.5 36.7



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: 11.303 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.10 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Tgt Ion: 70 Resp: 77614

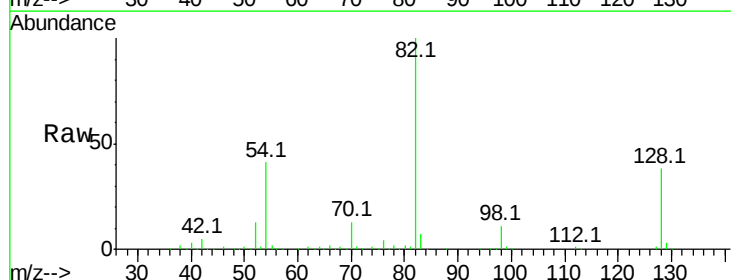
Ion Ratio Lower Upper

70 100

42 39.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

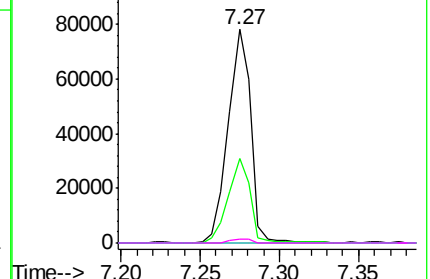
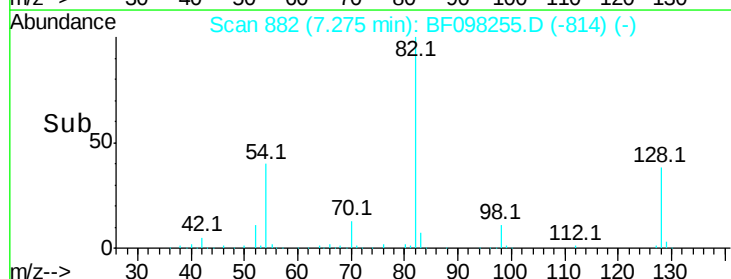


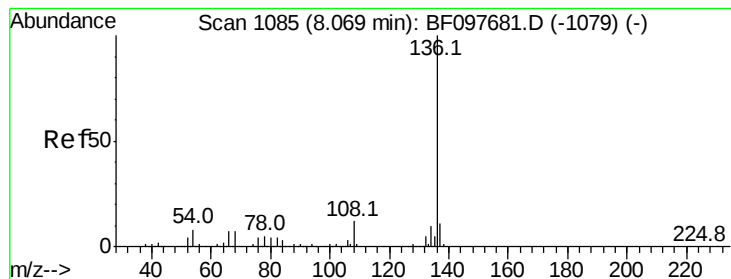
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 422322

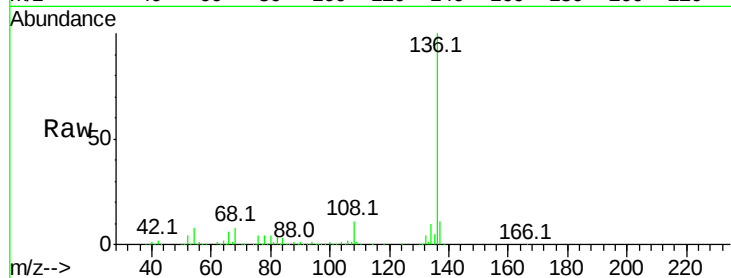
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.5 4.9 7.3#

68 7.5 4.1 6.1#

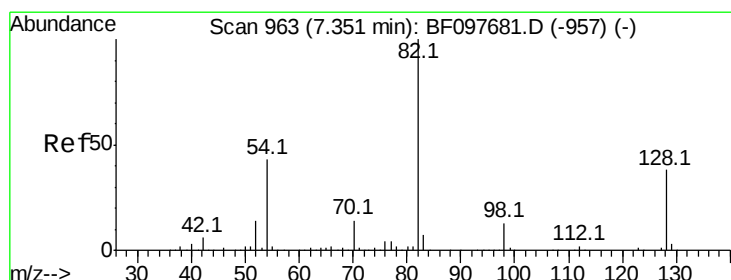
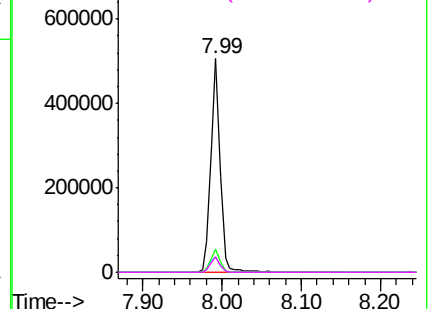
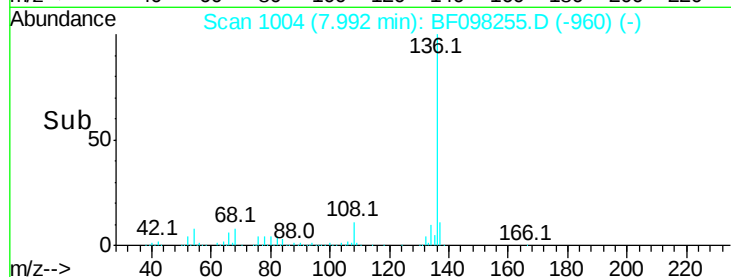


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.112 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.05 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

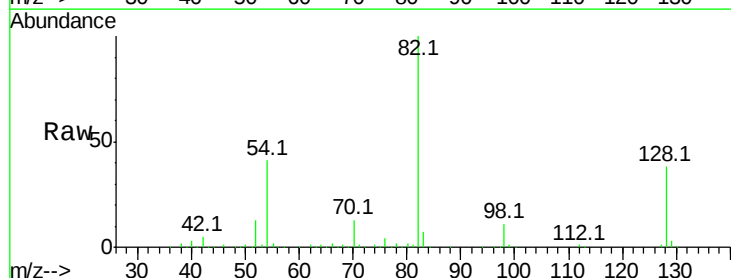
Tgt Ion: 82 Resp: 583923

Ion Ratio Lower Upper

82 100

128 38.2 34.0 51.0

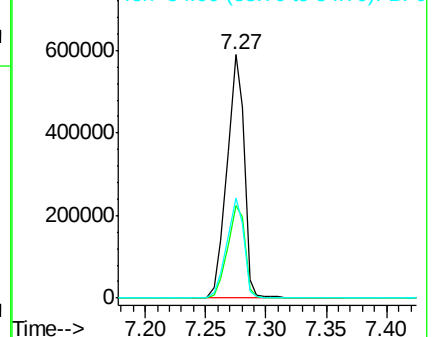
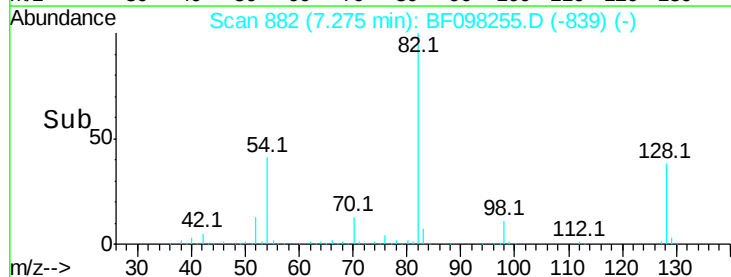
54 41.1 42.2 63.2#

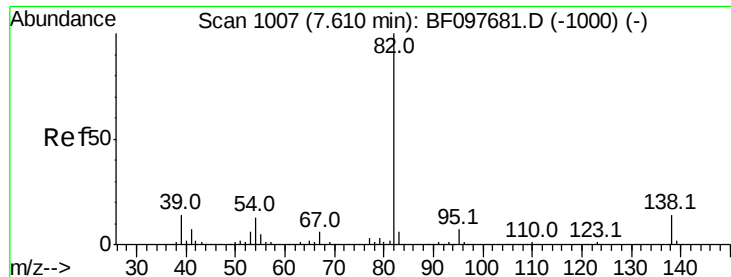


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

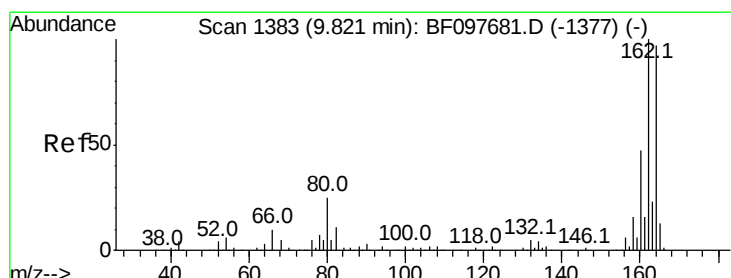
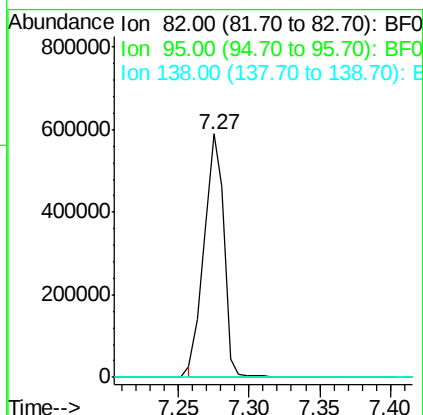
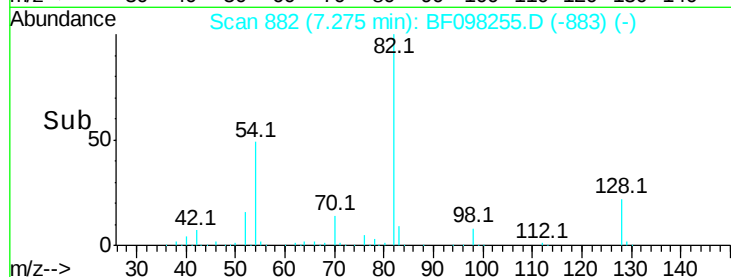
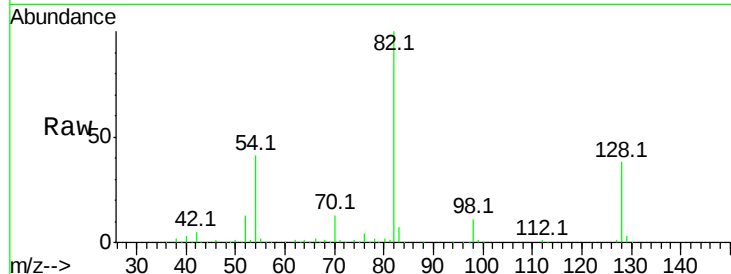




#25
Isophorone
Concen: 35.204 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.31 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

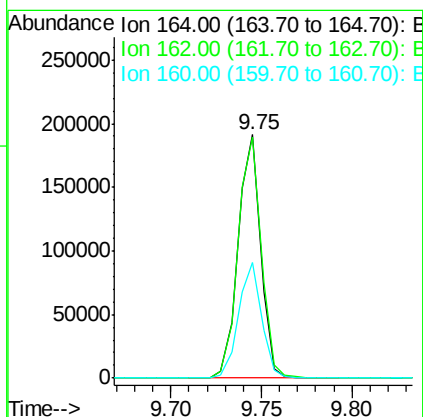
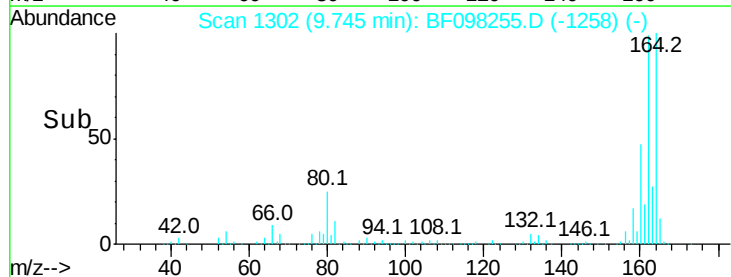
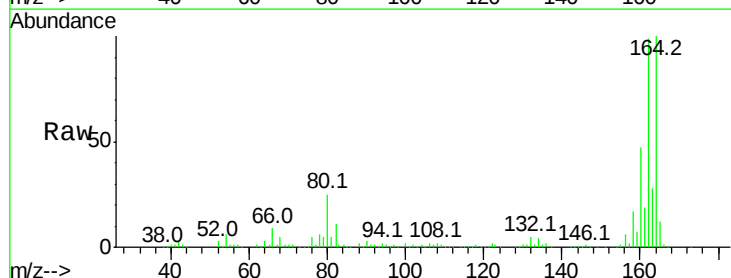
Instrument :
BNA_F
ClientSampleId :

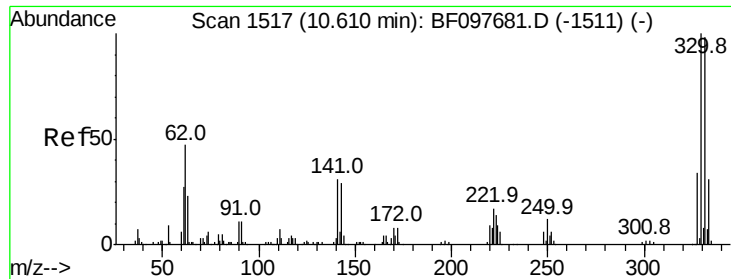
Tot Ion: 82 Resp: 569067
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.04 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Tgt Ion: 164 Resp: 165481
Ion Ratio Lower Upper
164 100
162 98.8 82.6 123.8
160 47.3 36.2 54.2

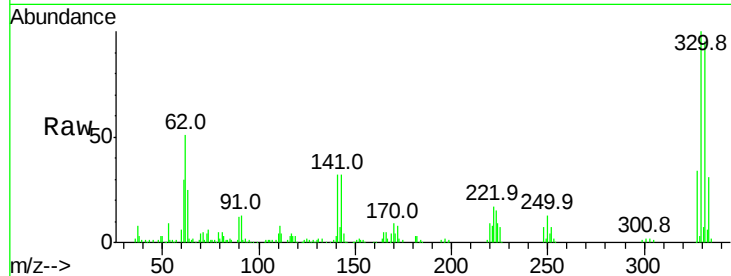




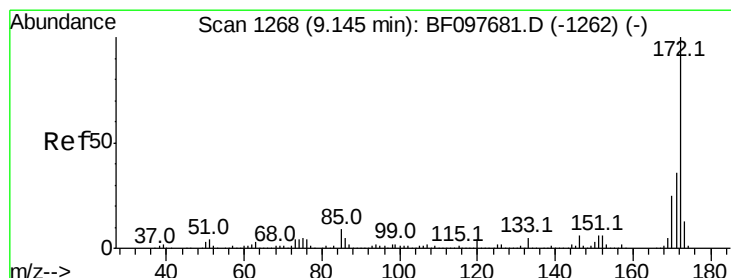
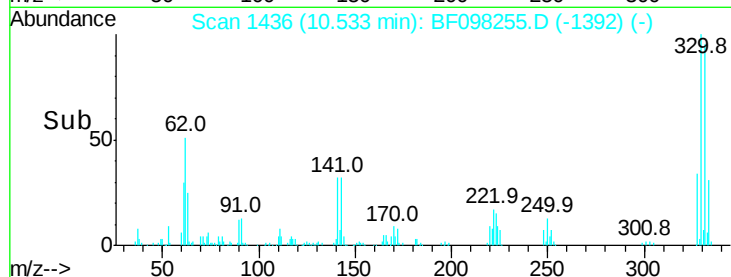
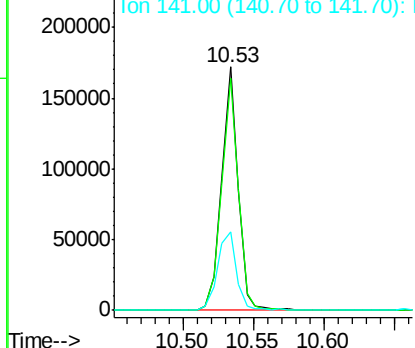
#41
 2,4,6-Tribromophenol
 Concen: 97.604 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.04 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 140142
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 37.0 31.4 47.2

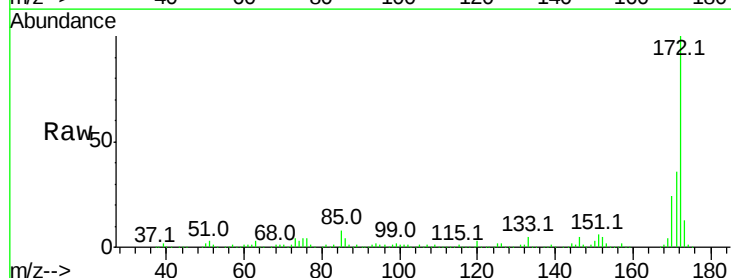


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

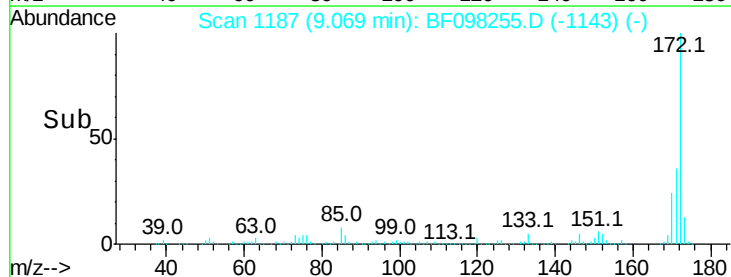
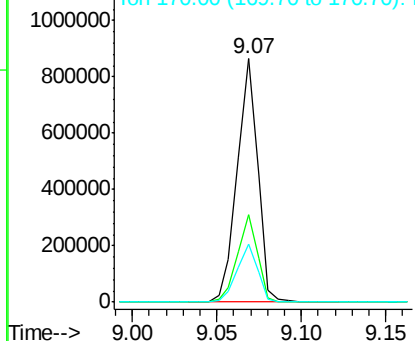


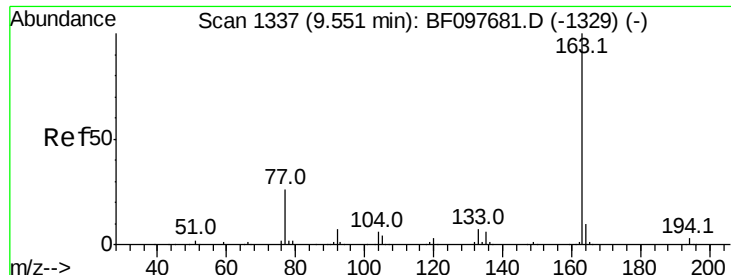
#44
 2-Fluorobiphenyl
 Concen: 65.101 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.04 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Tgt Ion:172 Resp: 733256
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 23.9 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

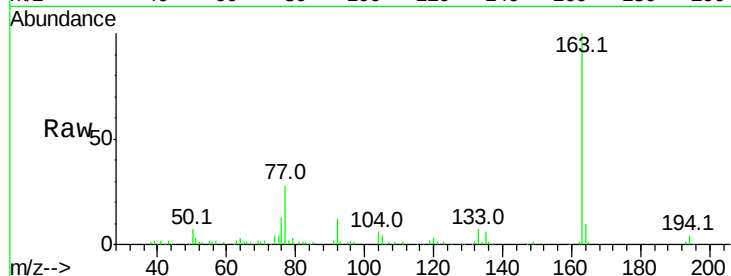




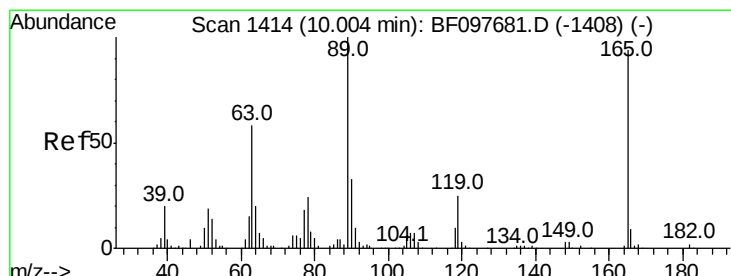
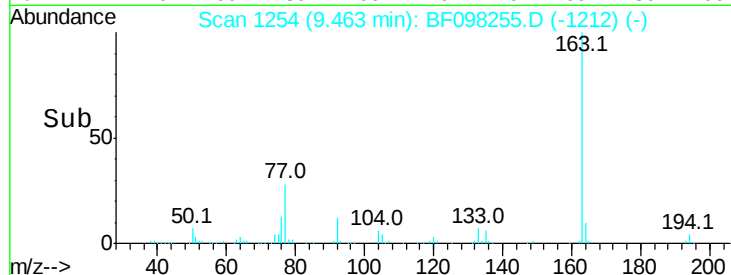
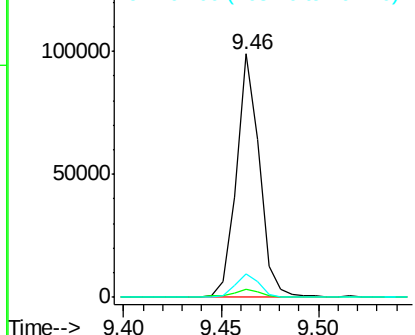
#49
 Dimethylphthalate
 Concen: 6.713 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.05 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	163	Resp:	81205
Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.9	8.4	12.6

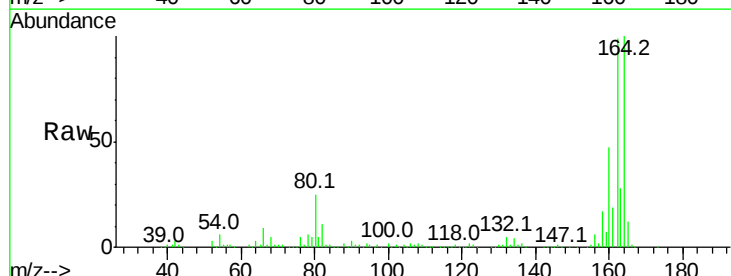


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

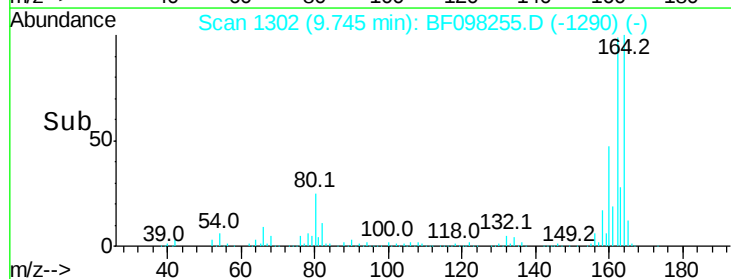
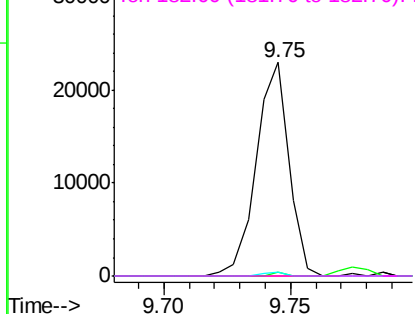


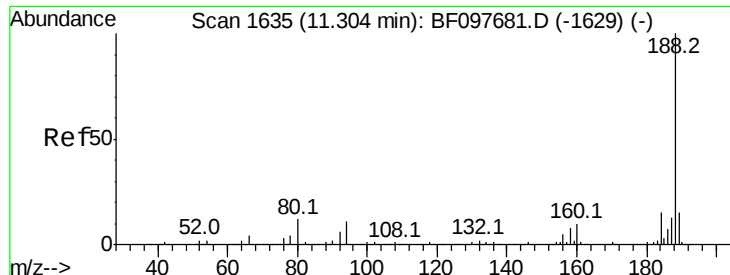
#56
 2,4-Dinitrotoluene
 Concen: 6.838 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.23 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Tgt Ion:	165	Resp:	20719
Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	1.9	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: 20.000 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

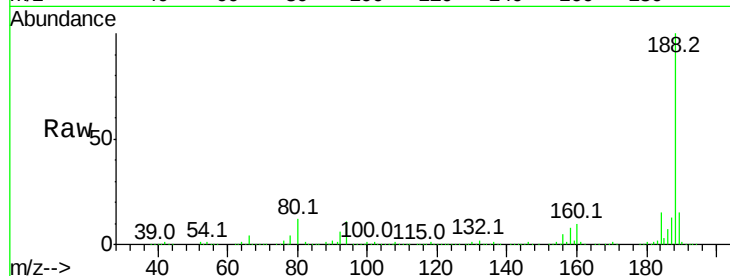
Tot Ion:188 Resp: 272647

Ion Ratio Lower Upper

188 100

94 11.1 9.4 14.2

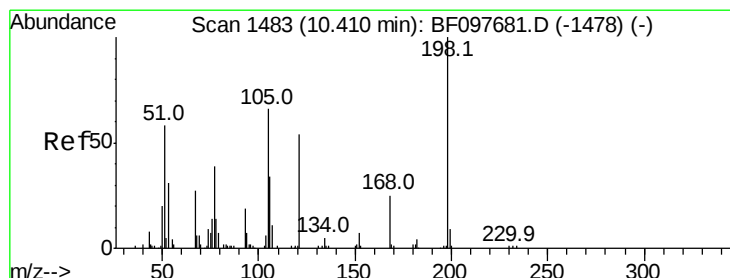
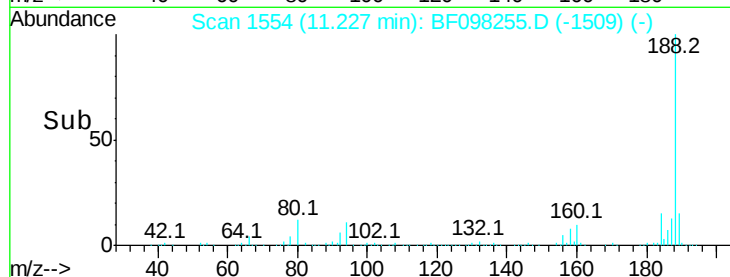
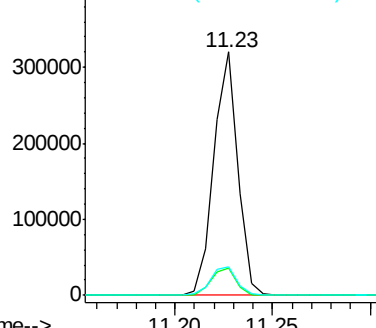
80 11.7 10.2 15.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.505 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.15 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

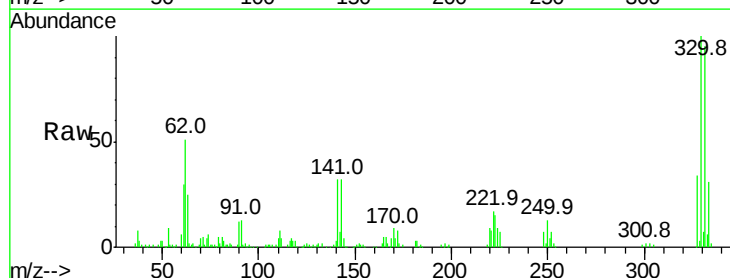
Tgt Ion:198 Resp: 287

Ion Ratio Lower Upper

198 100

51 163.6 53.2 93.2#

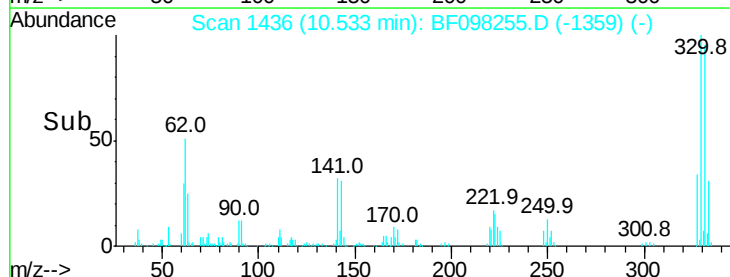
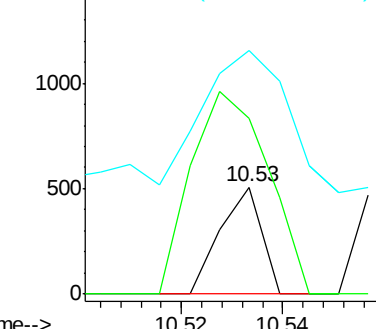
105 227.4 45.8 85.8#

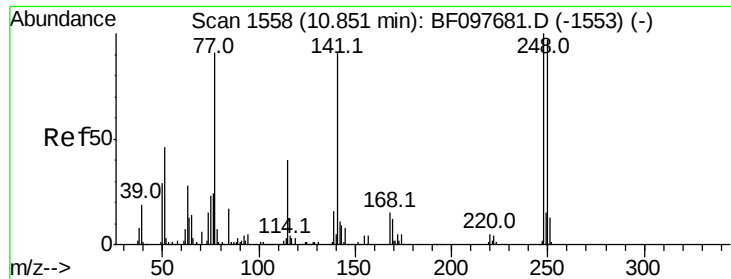


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

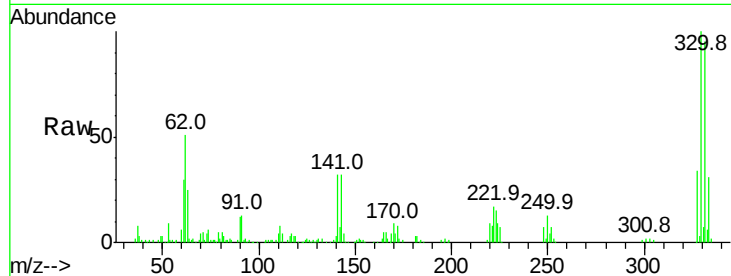




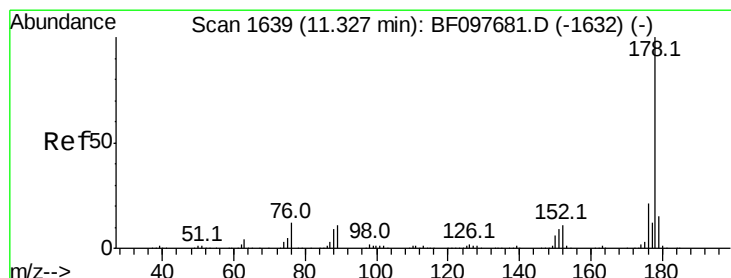
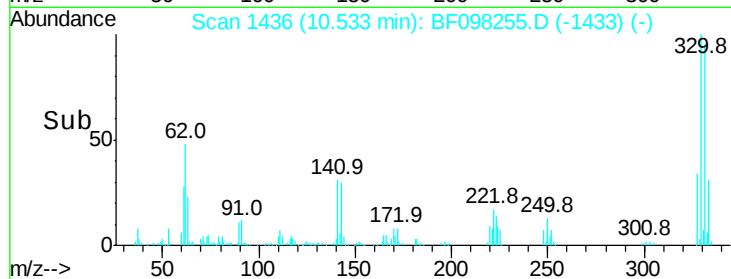
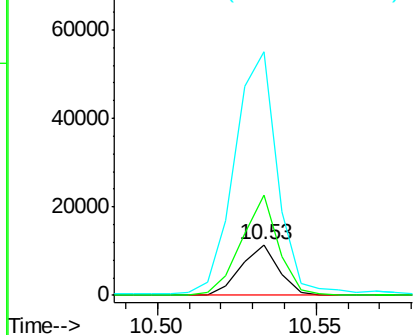
#66
4-Bromophenyl-phenylether
Concen: 3.313 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.28 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9379
Ion Ratio Lower Upper
248 100
250 197.2 76.8 115.2#
141 479.6 68.6 103.0#

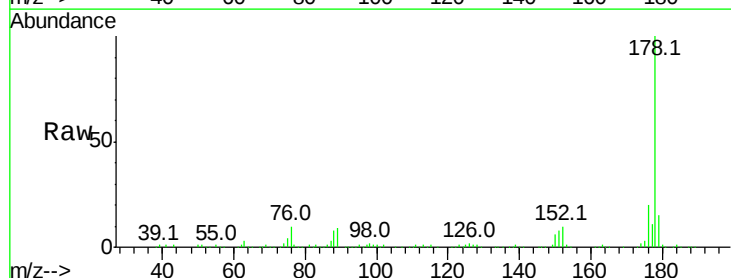


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

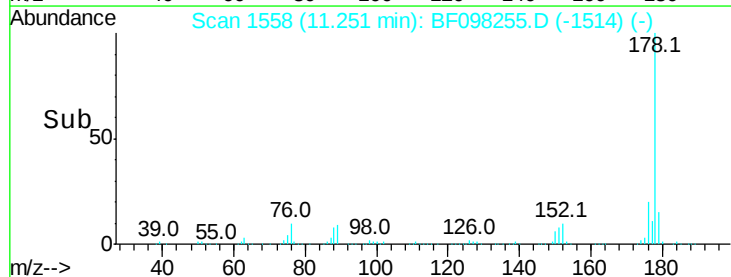
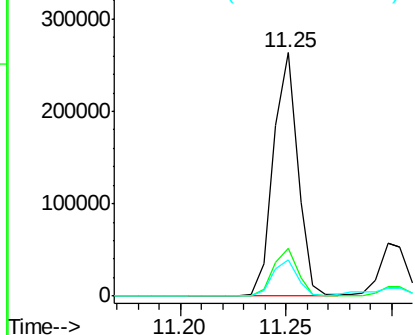


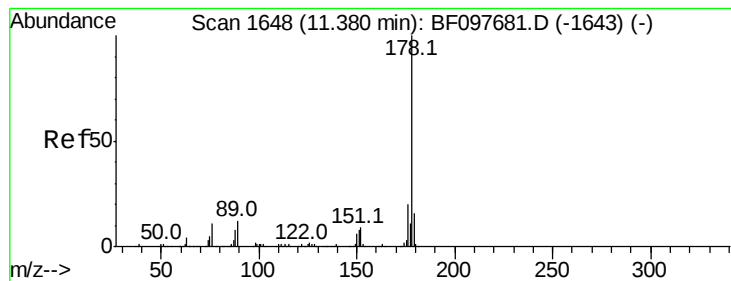
#70
Phenanthrene
Concen: 14.680 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.04 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Tgt Ion:178 Resp: 213283
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.4
179 15.0 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: 3.460 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.05 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

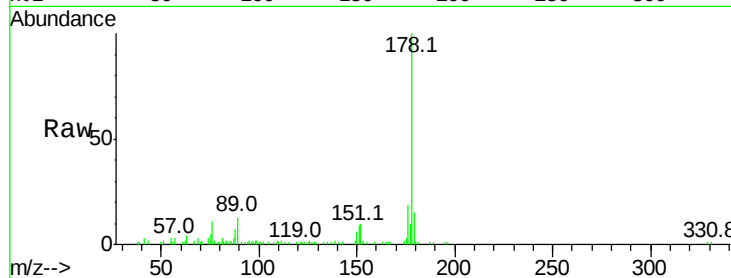
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 50984

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.4	12.7	19.1

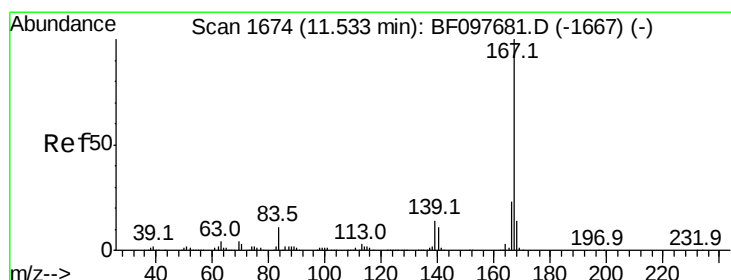
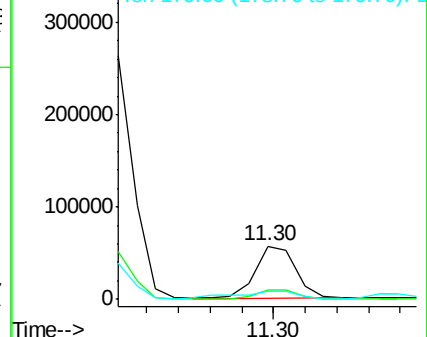
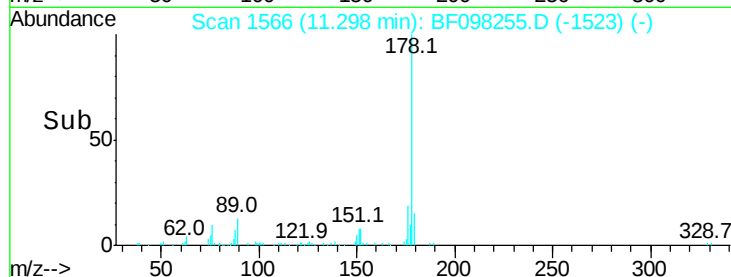


Abundance

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



#72

Carbazole

Concen: 2.367 ng

RT: 11.46 min Scan# 1593

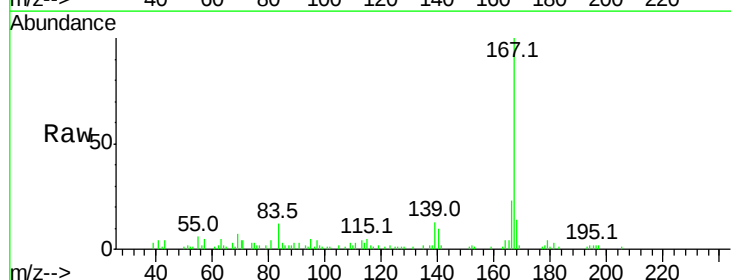
Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Tgt Ion:167 Resp: 33115

Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.1	27.1
139	13.2	11.7	17.5

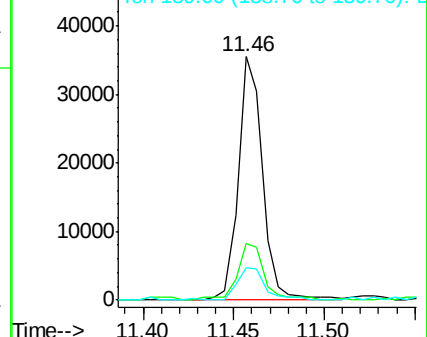
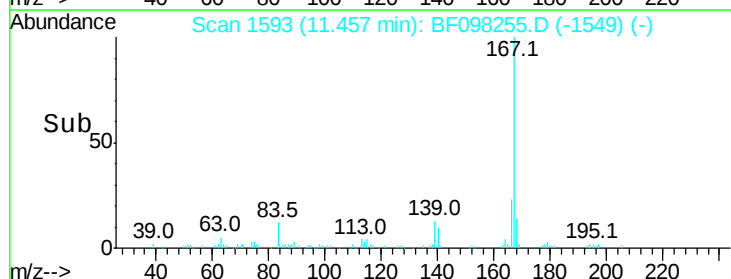


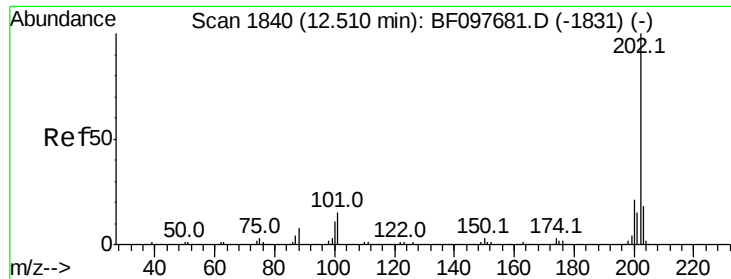
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 25.161 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Instrument :

BNA_F

ClientSampled :

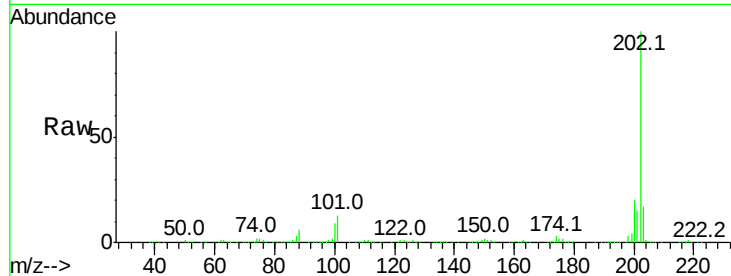
Tot Ion:202 Resp: 381553

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

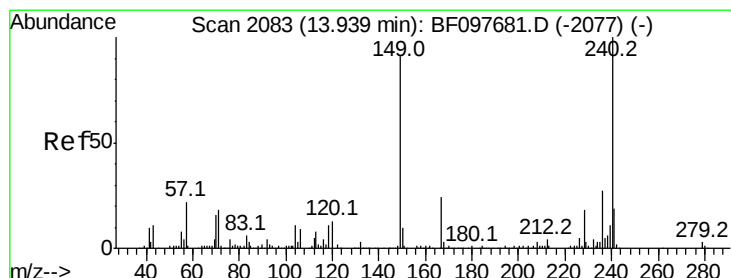
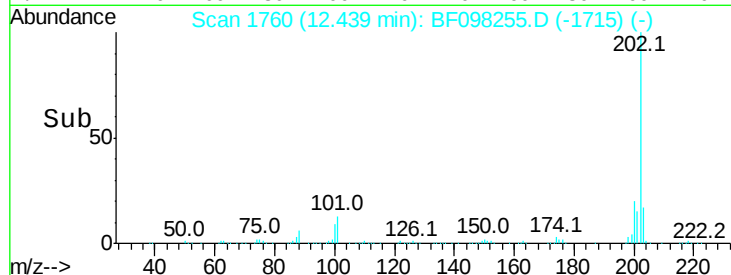
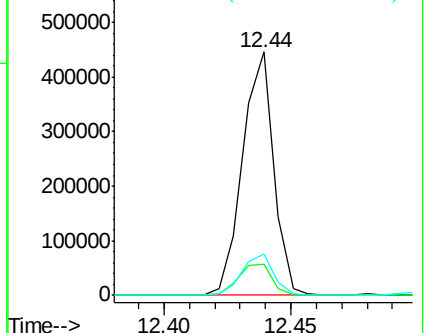
203 17.2 0.0 38.1



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: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

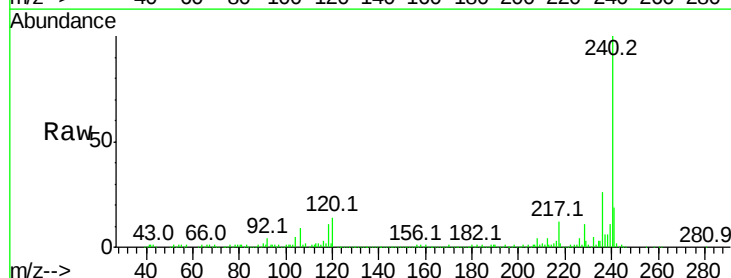
Tgt Ion:240 Resp: 264031

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

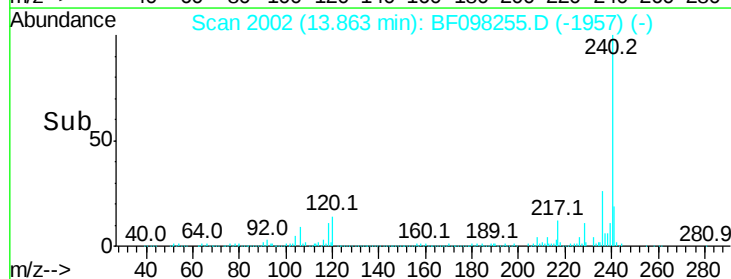
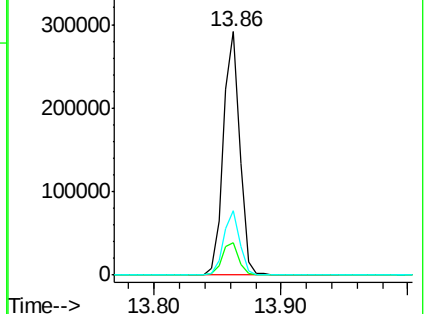
236 26.3 20.5 30.7

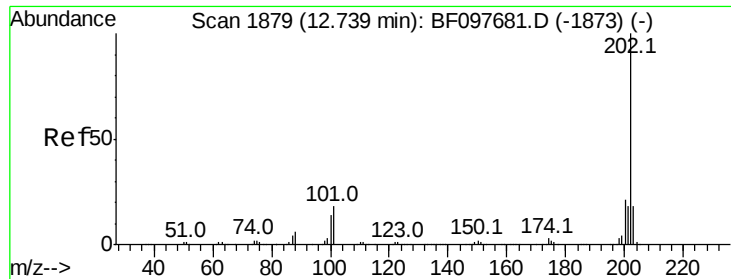


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 14.615 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

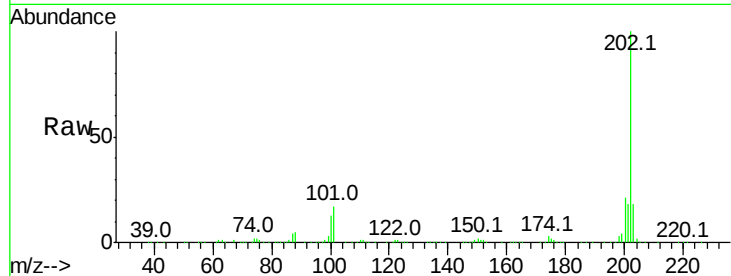
Tot Ion:202 Resp: 315601

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

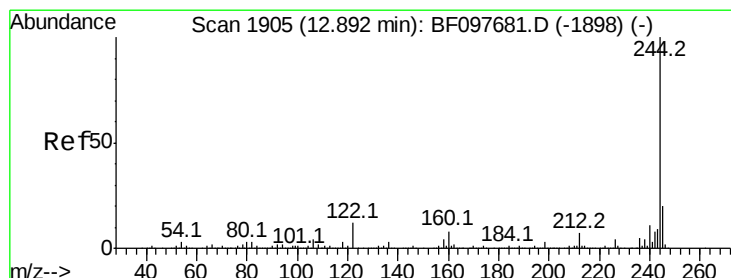
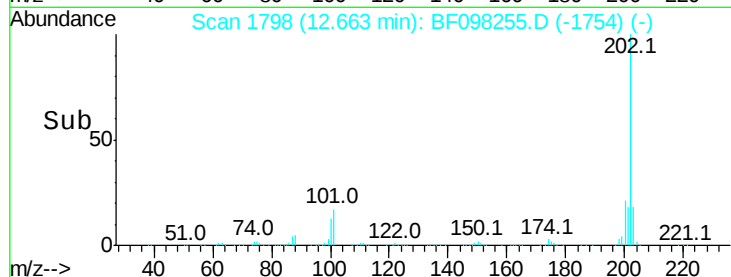
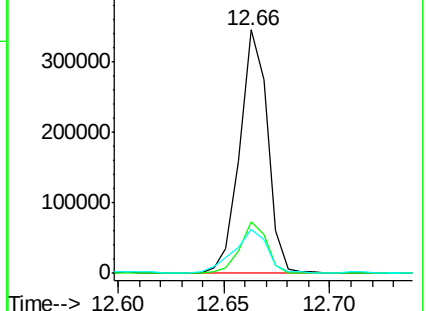
203 17.9 14.4 21.6



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



#78

Terphenyl-d14

Concen: 39.304 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

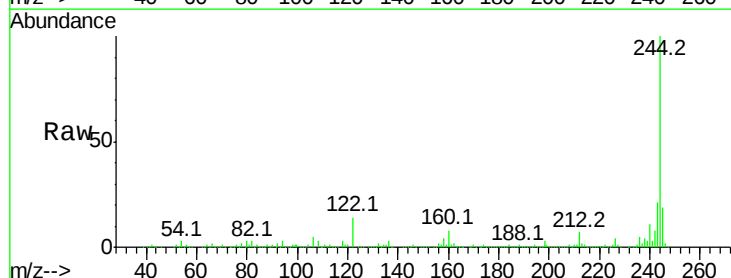
Tgt Ion:244 Resp: 497639

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

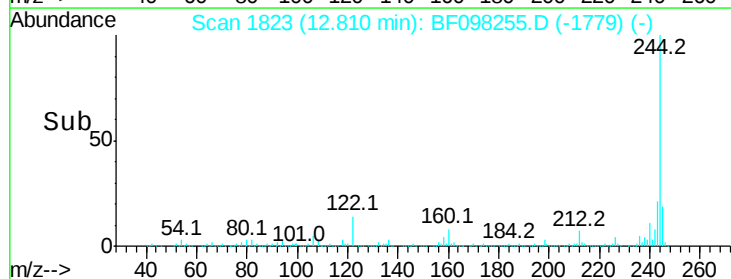
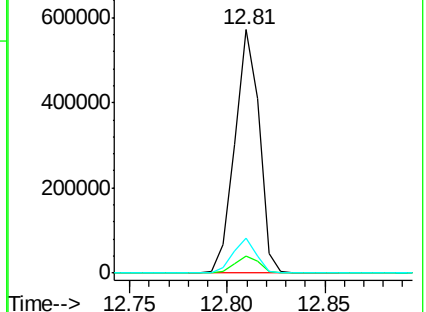
122 14.2 10.3 15.5

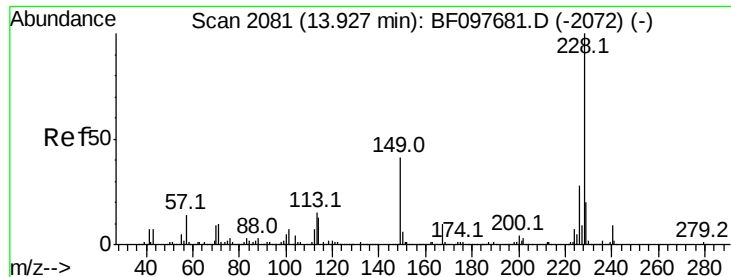


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

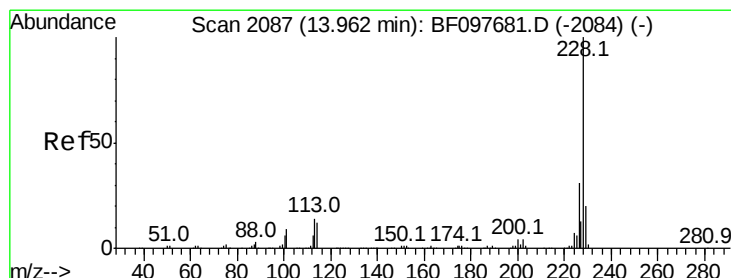
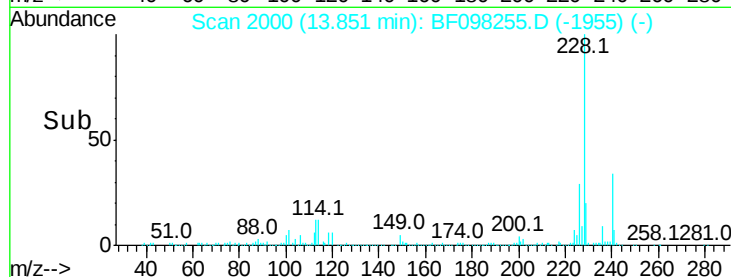
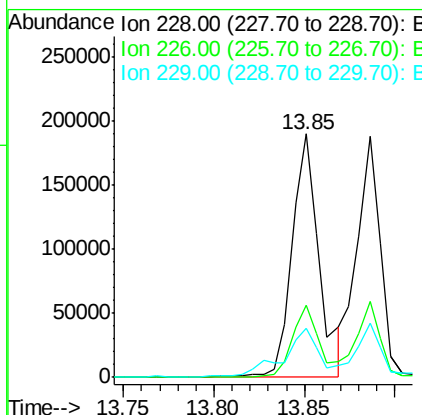
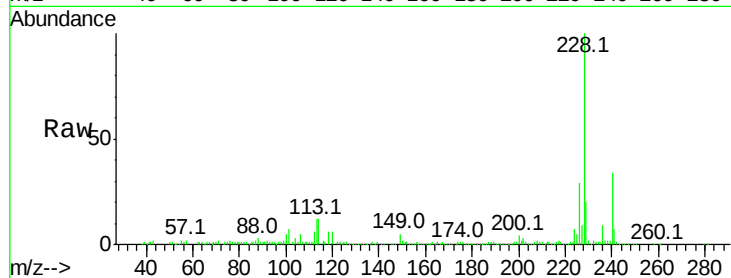




#80
Benzo(a)anthracene
Concen: 12.515 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

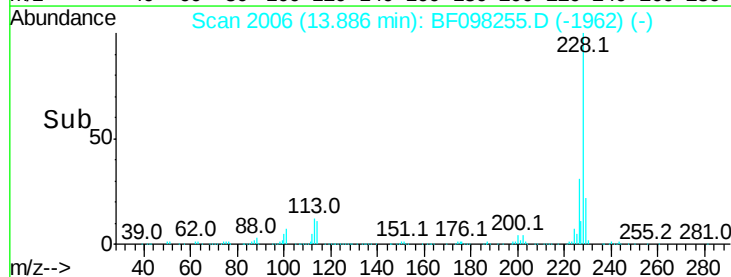
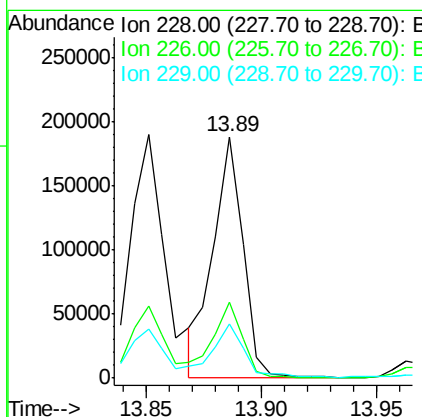
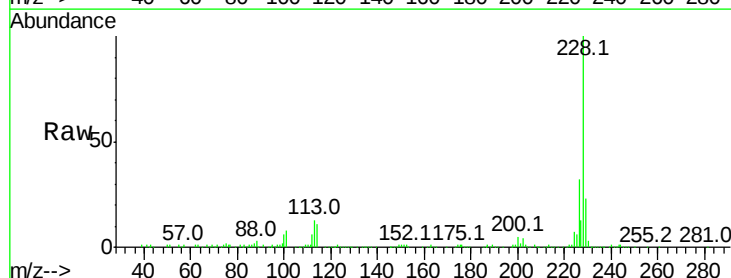
Instrument :
BNA_F
ClientSampleId :

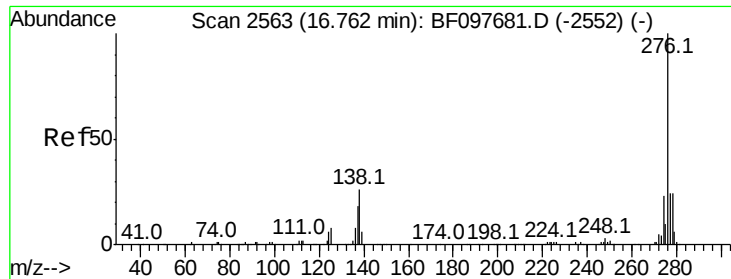
Tot Ion:228 Resp: 198036
Ion Ratio Lower Upper
228 100
226 29.5 22.6 33.8
229 20.0 16.3 24.5



#82
Chrysene
Concen: 10.718 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.04 min
Lab File: BF098255.D
Acq: 2 Sep 2017 19:36

Tgt Ion:228 Resp: 168719
Ion Ratio Lower Upper
228 100
226 31.5 24.9 37.3
229 22.6 15.8 23.6

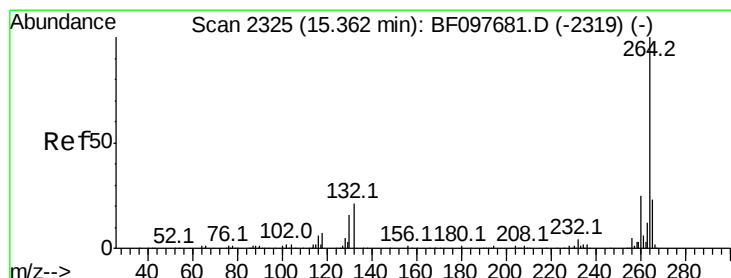
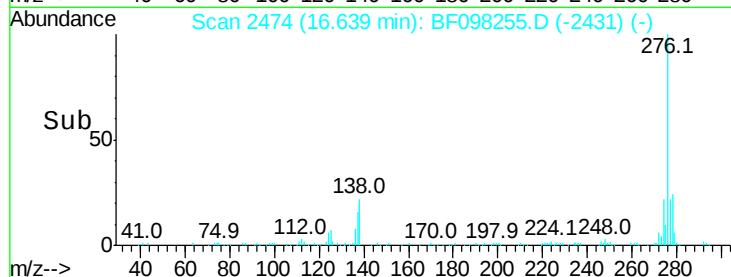
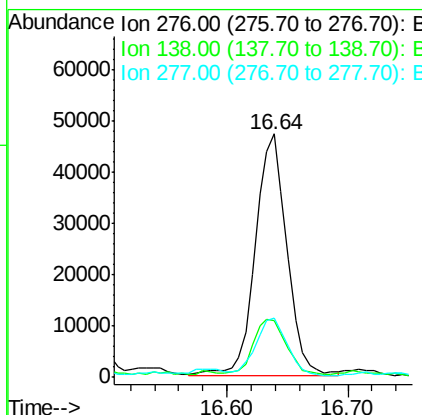
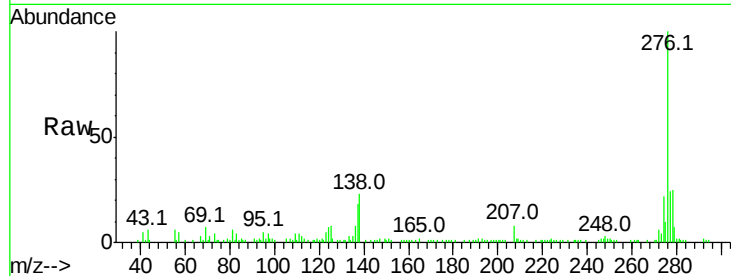




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.383 ng
 RT: 16.64 min Scan# 2474
 Delta R.T. -0.05 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

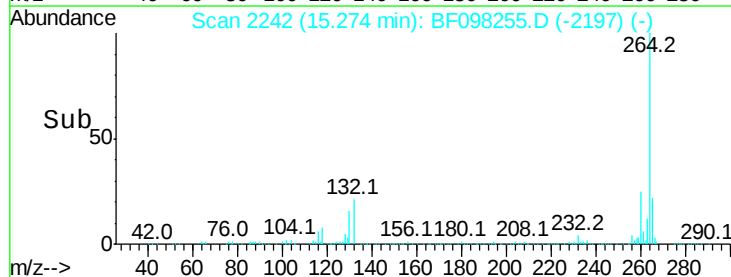
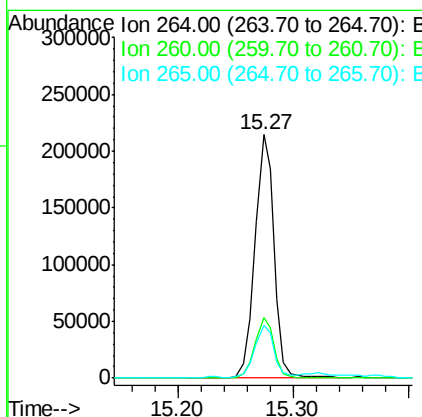
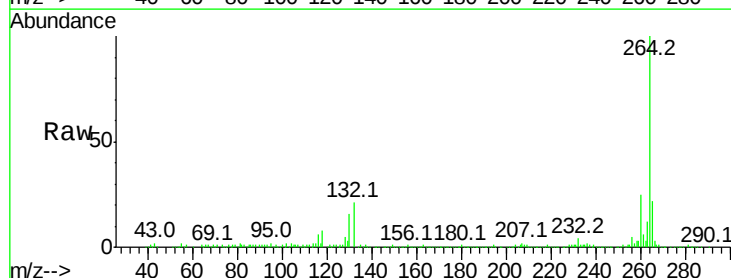
Instrument :
 BNA_F
 ClientSampleId :

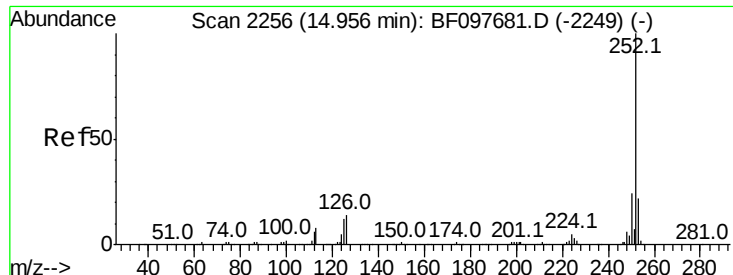
Tot Ion:276 Resp: 85491
 Ion Ratio Lower Upper
 276 100
 138 24.1 27.8 41.6#
 277 23.9 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.04 min
 Lab File: BF098255.D
 Acq: 2 Sep 2017 19:36

Tgt Ion:264 Resp: 248903
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.5 29.3
 265 21.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 20.295 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Instrument :

BNA_F

ClientSampled :

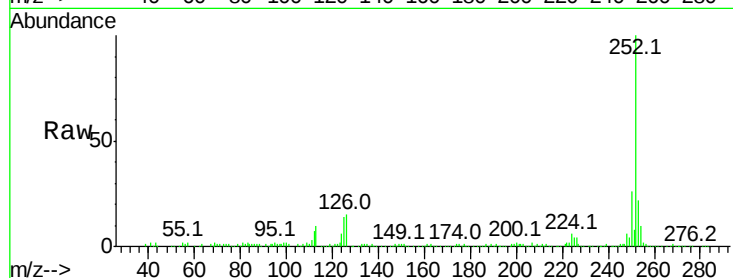
Tot Ion:252 Resp: 318408

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

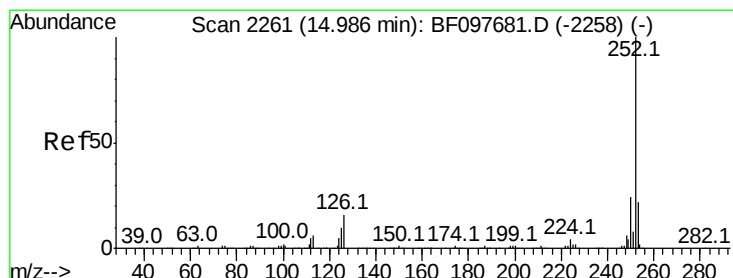
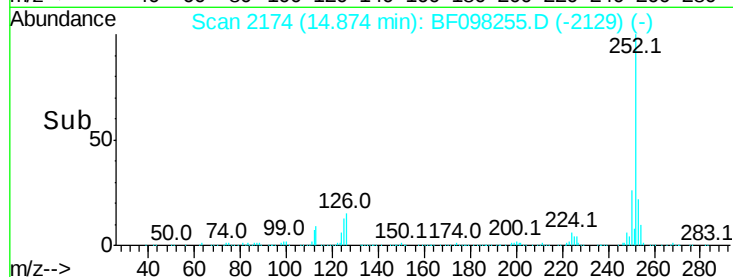
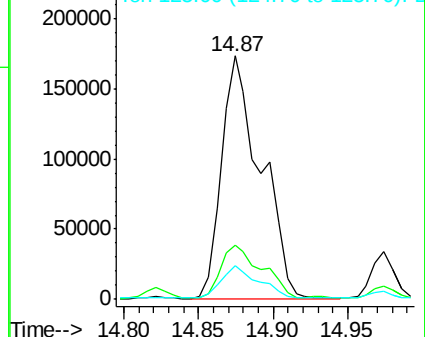
125 13.7 9.8 14.8



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: 21.602 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.06 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

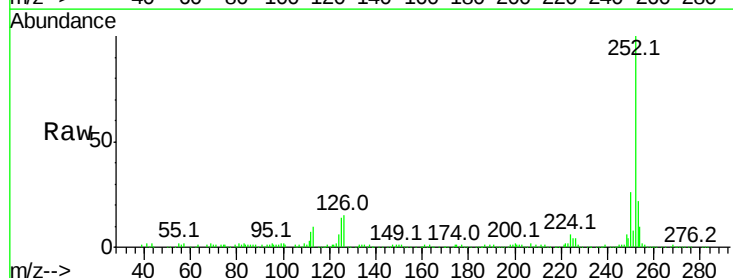
Tgt Ion:252 Resp: 318408

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

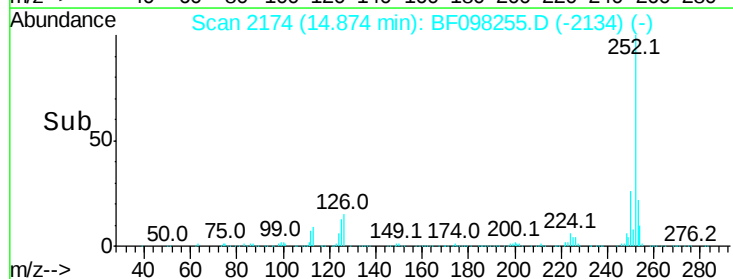
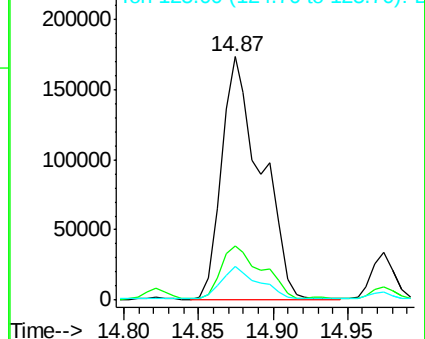
125 13.7 13.1 19.7

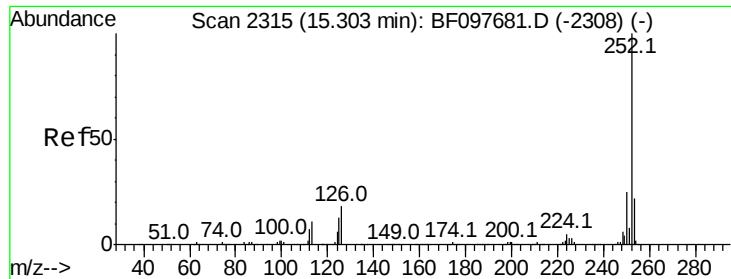


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.387 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.04 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

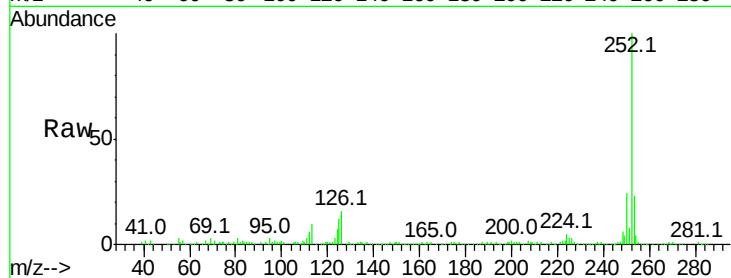
Tot Ion:252 Resp: 158162

Ion Ratio Lower Upper

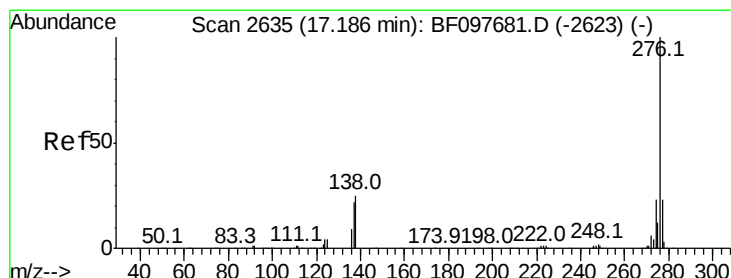
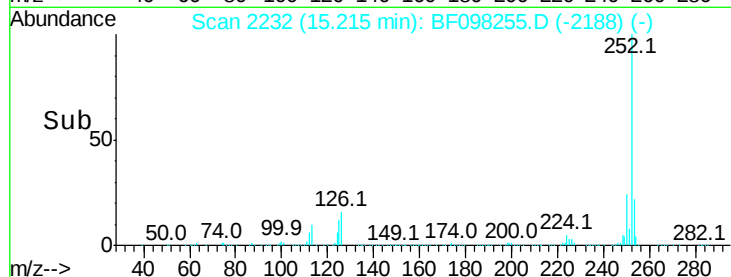
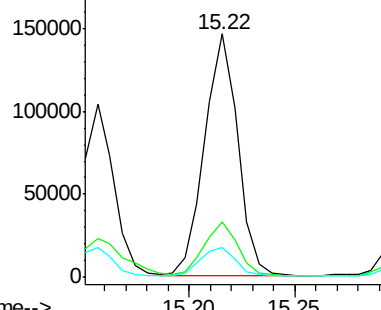
252 100

253 22.7 17.5 26.3

125 12.3 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



#91

Benzo(g,h,i)perylene

Concen: 6.317 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.06 min

Lab File: BF098255.D

Acq: 2 Sep 2017 19:36

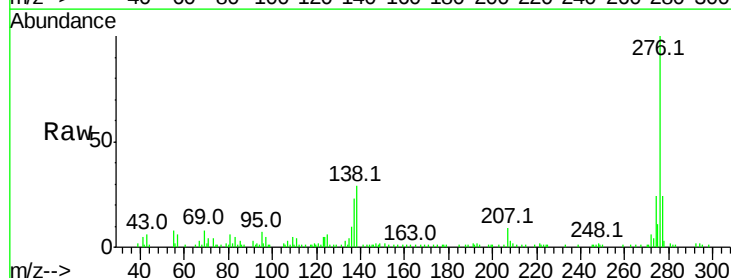
Tgt Ion:276 Resp: 74536

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 29.1 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

