

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\
 Data File : BF098988.D
 Acq On : 1 Oct 2017 13:25
 Operator : SJ/JU
 Sample : I5487-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092717-C

Quant Time: Oct 02 00:52:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	137195	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	555344	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	224502	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	325719	20.00	ng	-0.02
75) Chrysene-d12	14.07	240	249658	20.00	ng	-0.02
86) Perylene-d12	15.56	264	262753	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	874937	101.52	ng	-0.01
7) Phenol-d6	6.53	99	1052491	99.00	ng	-0.02
23) Nitrobenzene-d5	7.46	82	650355	75.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	158732	86.41	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1101900	81.94	ng	-0.02
78) Terphenyl-d14	13.02	244	686011	62.49	ng	-0.02

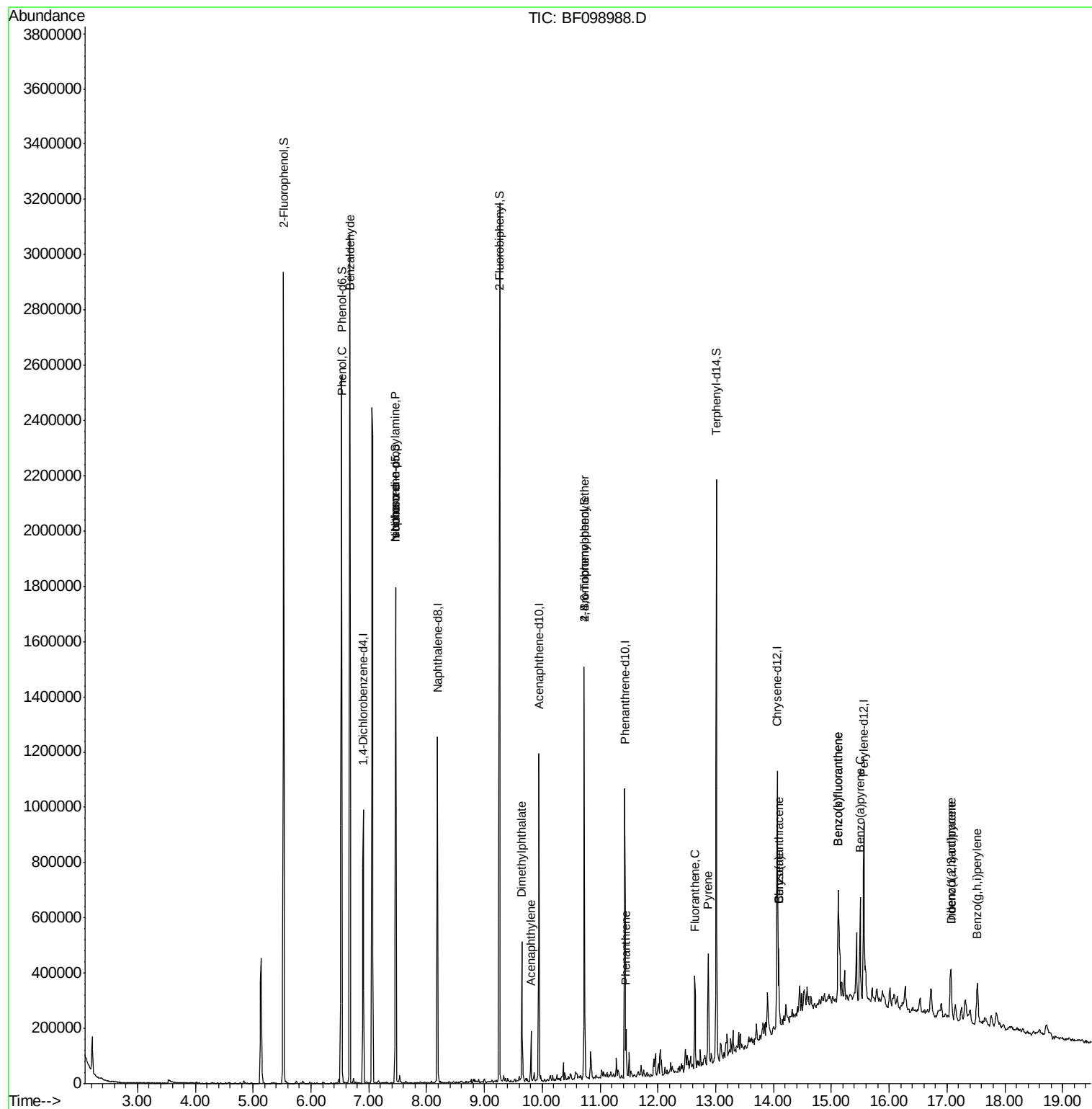
Target Compounds						Qvalue
9) Benzaldehyde	6.67	77	18768	3.04	ng	87
10) Phenol	6.54	94	24890	2.09	ng	95
19) n-Nitroso-di-n-propylamine	7.46	70	85705	12.63	ng	# 77
25) Isophorone	7.46	82	646804	36.13	ng	# 64
48) Acenaphthylene	9.80	152	72659	3.28	ng	99
49) Dimethylphthalate	9.65	163	186760	11.02	ng	100
66) 4-Bromophenyl-phenylether	10.73	248	10737	3.37	ng	# 1
70) Phenanthrene	11.45	178	53027	3.04	ng	97
74) Fluoranthene	12.64	202	117654	6.66	ng	100
77) Pyrene	12.87	202	153280	8.05	ng	100
80) Benzo(a)anthracene	14.09	228	107988	7.14	ng	96
82) Chrysene	14.09	228	107988	7.50	ng	98
85) Indeno(1,2,3-cd)pyrene	17.07	276	117743	10.23	ng	96
87) Benzo(b)fluoranthene	15.12	252	278713	17.25	ng	# 94
88) Benzo(k)fluoranthene	15.12	252	278713	17.47	ng	# 97
89) Benzo(a)pyrene	15.50	252	166042	11.20	ng	96
90) Dibenzo(a,h)anthracene	17.07	278	29745	2.51	ng	# 79
91) Benzo(g,h,i)perylene	17.53	276	119304	10.17	ng	94

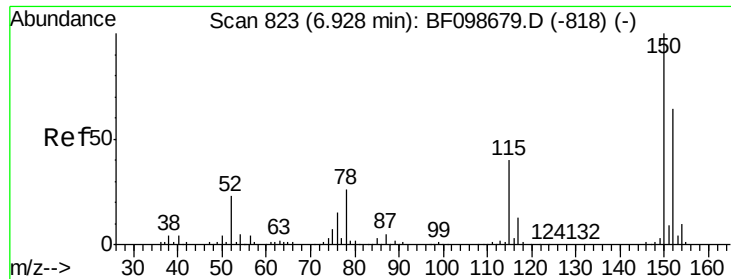
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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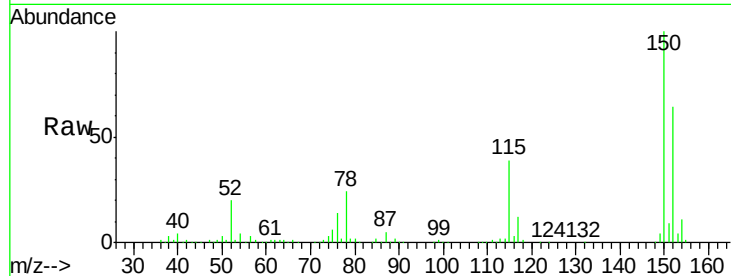




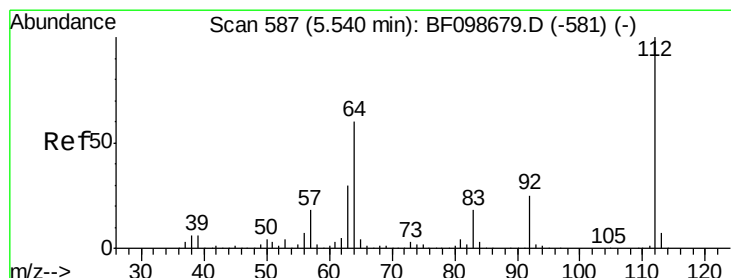
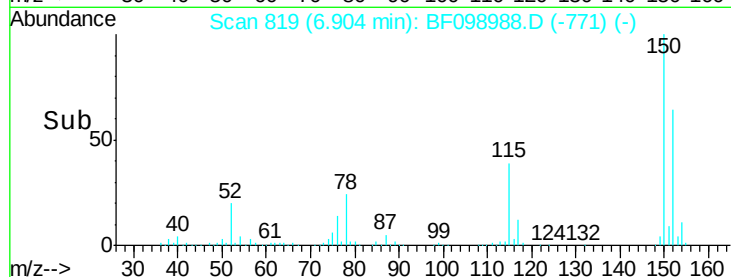
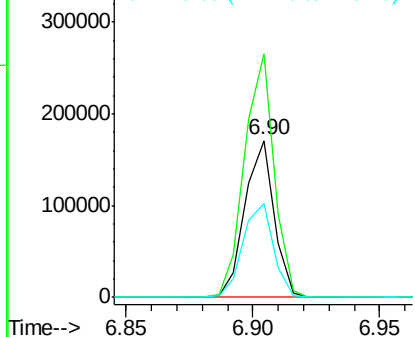
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF098988.D
 Acq: 1 Oct 2017 13:25

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092717-C

Tot Ion:152 Resp: 137195
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.6 186.8
 115 59.9 50.1 75.1

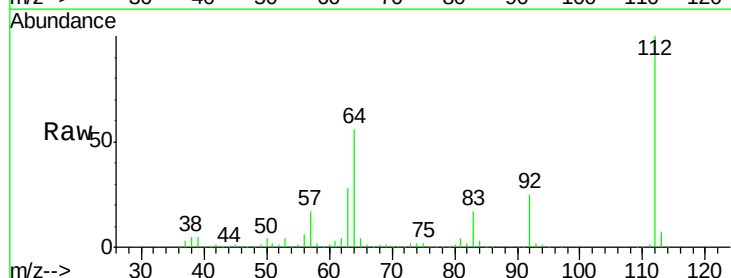


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

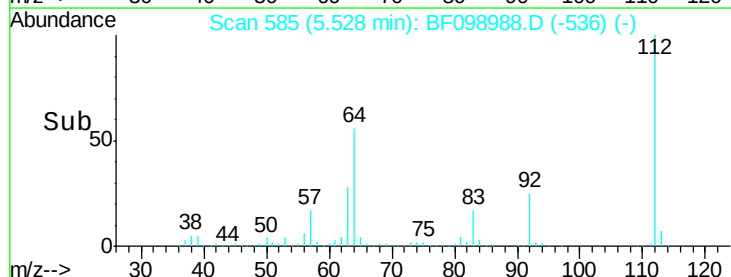
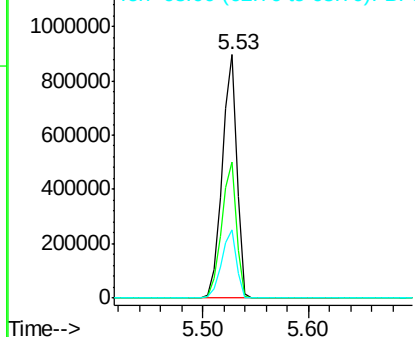


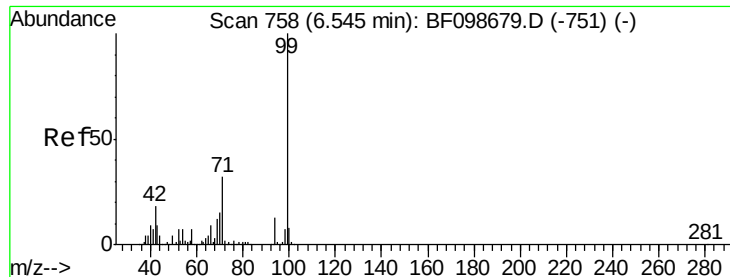
#5
 2-Fluorophenol
 Concen: 101.52 ng
 RT: 5.53 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF098988.D
 Acq: 1 Oct 2017 13:25

Tgt Ion:112 Resp: 874937
 Ion Ratio Lower Upper
 112 100
 64 55.9 47.9 71.9
 63 27.8 23.7 35.5



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: 99.00 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

BNA_F

ClientSampleId :

CL-02-092717-C

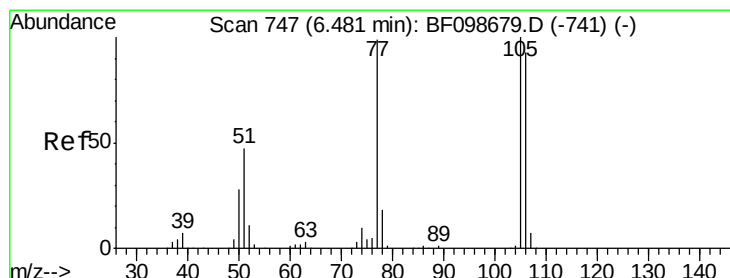
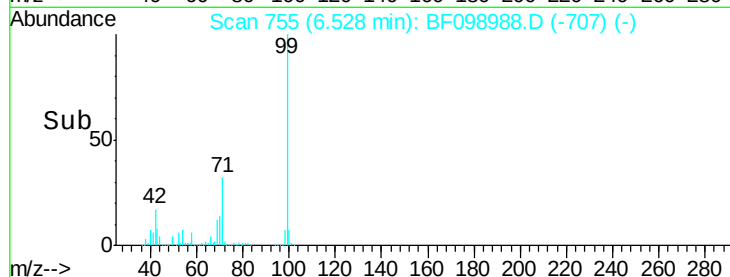
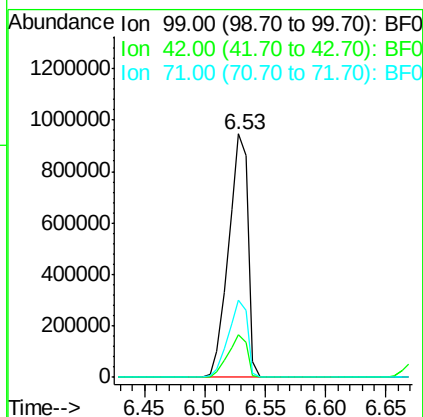
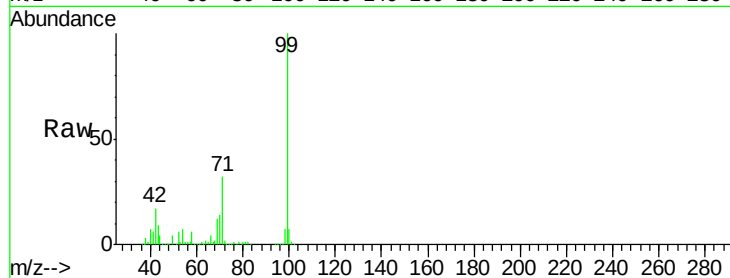
Tot Ion: 99 Resp: 1052491

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

71 31.8 25.4 38.0



#9

Benzaldehyde

Concen: 3.04 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.20 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

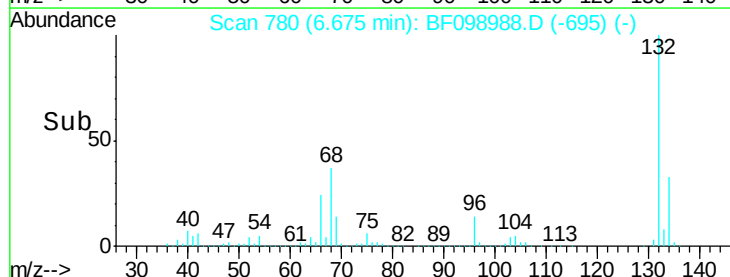
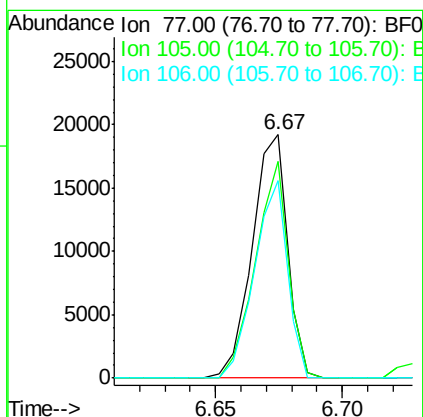
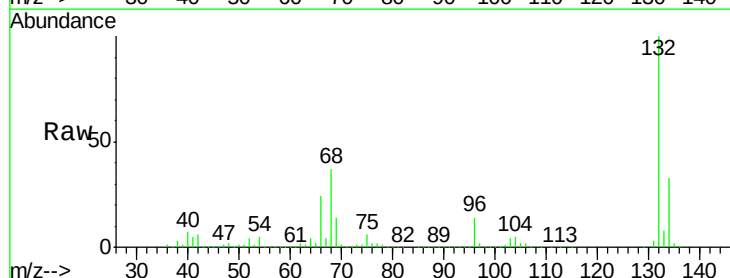
Tgt Ion: 77 Resp: 18768

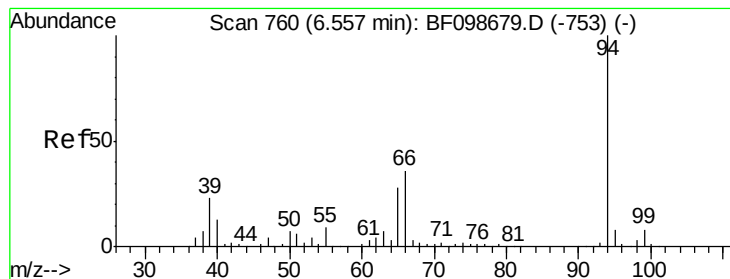
Ion Ratio Lower Upper

77 100

105 88.8 81.1 121.1

106 81.4 74.5 114.5





#10

Phenol

Concen: 2.09 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

BNA_F

ClientSampleId :

CL-02-092717-C

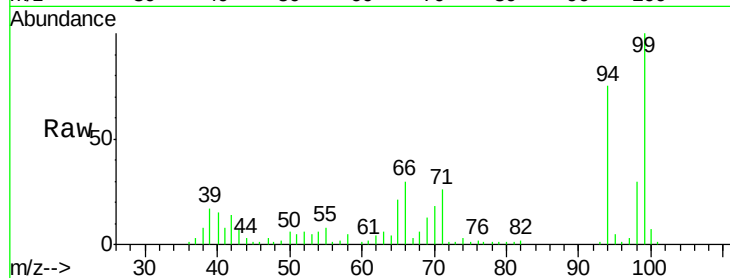
Tot Ion: 94 Resp: 24890

Ion Ratio Lower Upper

94 100

65 28.3 7.9 47.9

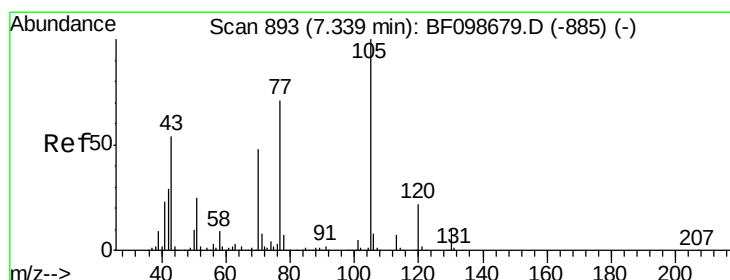
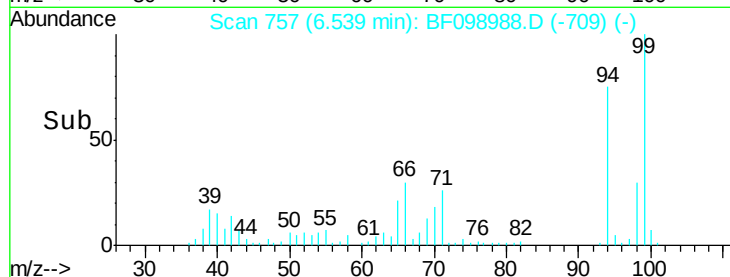
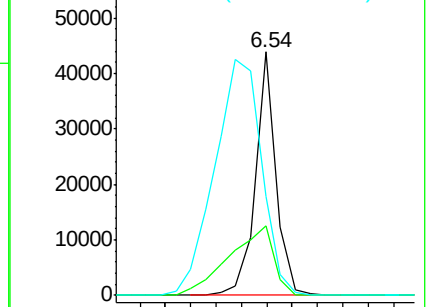
66 40.9 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 12.63 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.13 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Tgt Ion: 70 Resp: 85705

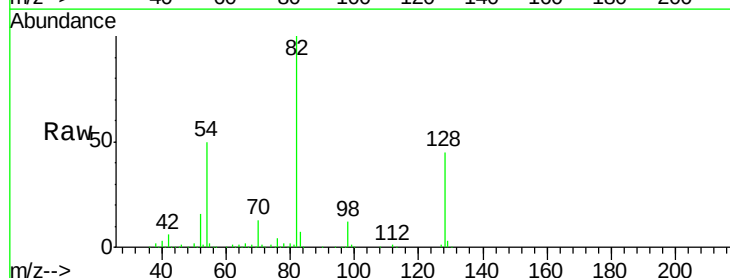
Ion Ratio Lower Upper

70 100

42 46.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

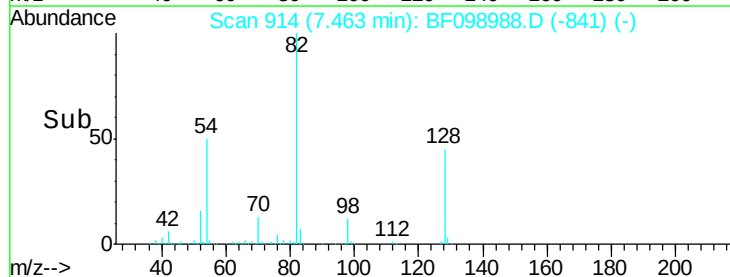
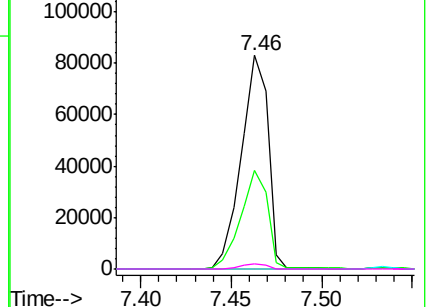


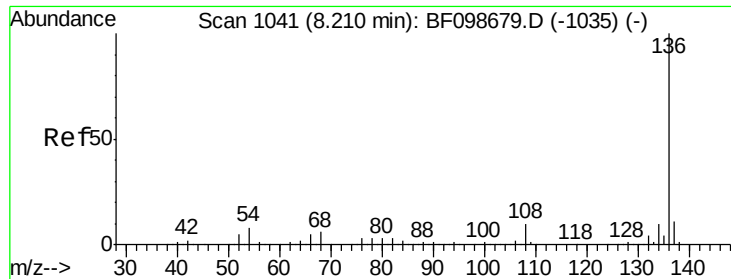
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

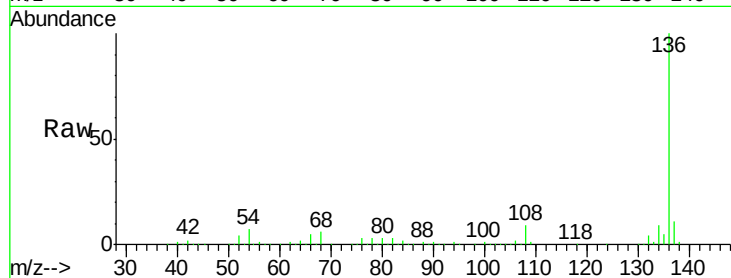




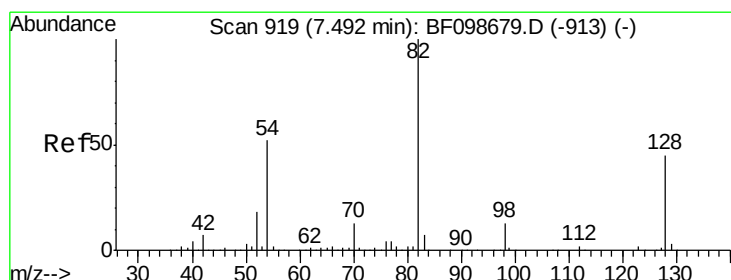
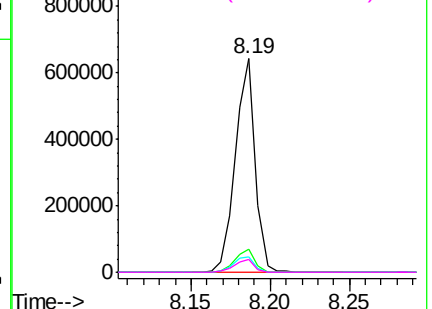
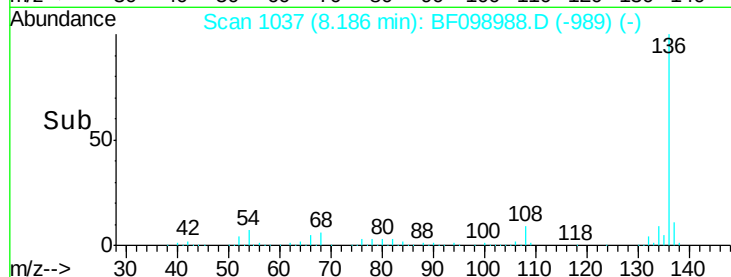
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
CL-02-092717-C

Tot Ion:136	Resp:	555344
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	7.3	6.6 9.8
68	5.8	5.0 7.4

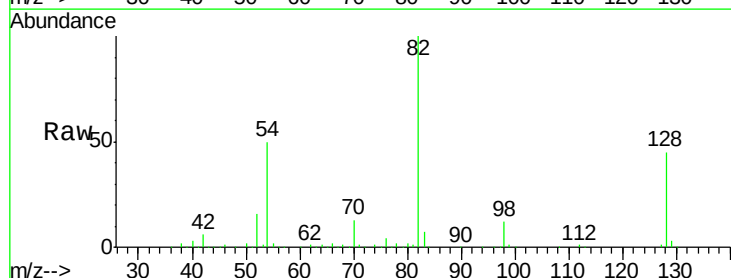


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

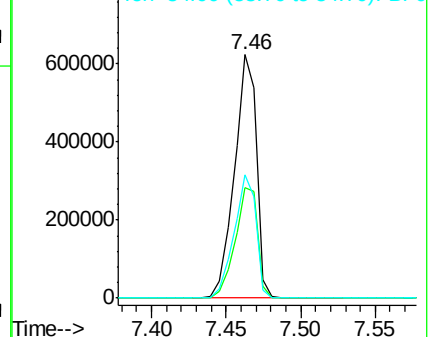
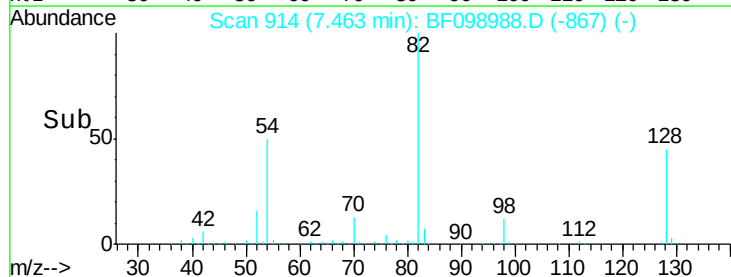


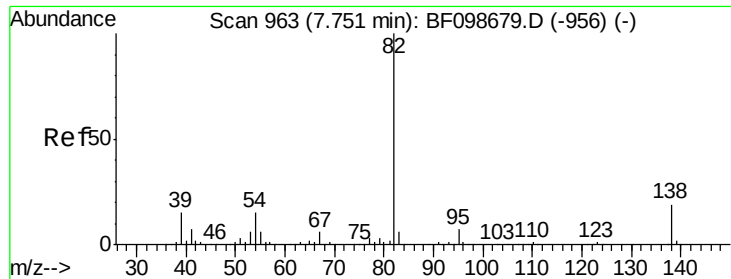
#23
Nitrobenzene-d5
Concen: 75.10 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Tgt Ion: 82	Resp:	650355
Ion	Ratio	Lower Upper
82	100	
128	45.2	36.1 54.1
54	50.4	41.4 62.2



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: 36.13 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.28 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

BNA_F

ClientSampleId :

CL-02-092717-C

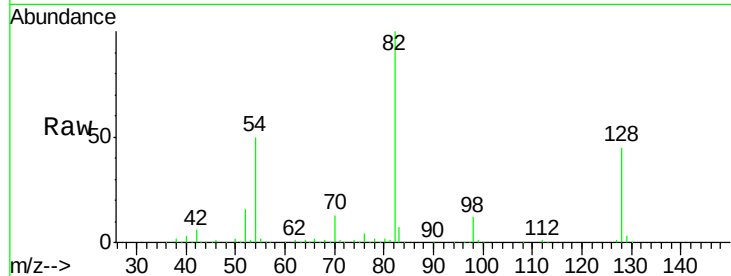
Tot Ion: 82 Resp: 646804

Ion Ratio Lower Upper

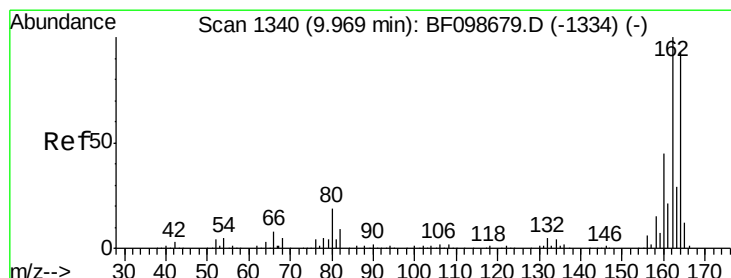
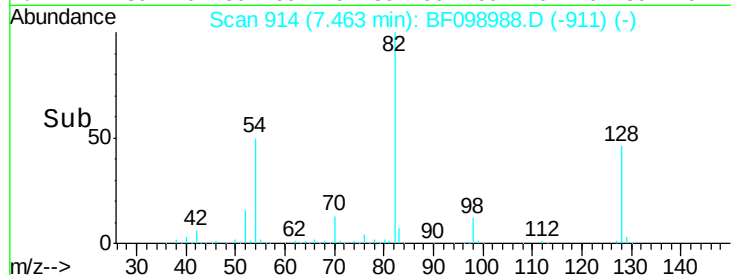
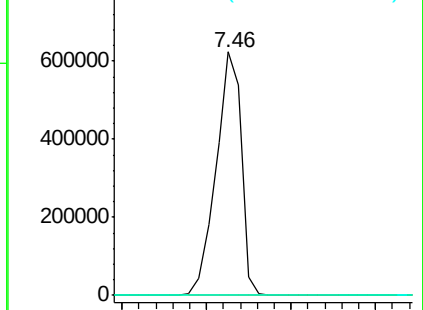
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

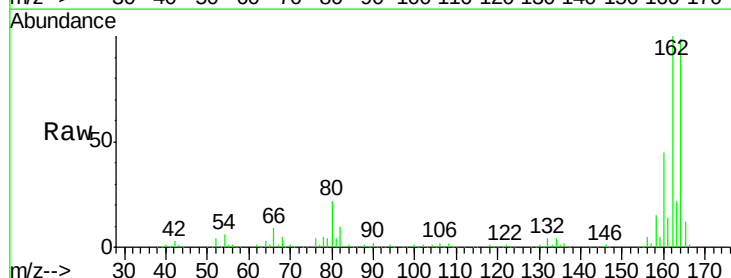
Tgt Ion:164 Resp: 224502

Ion Ratio Lower Upper

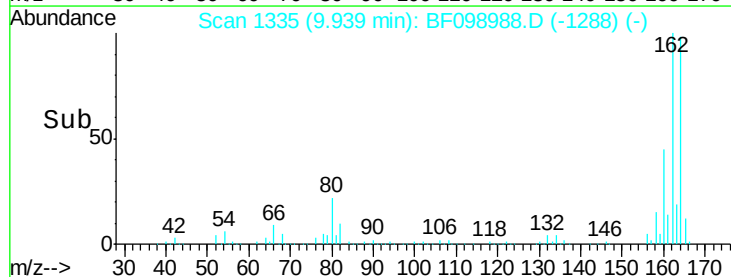
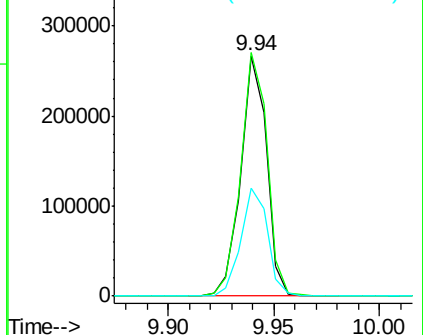
164 100

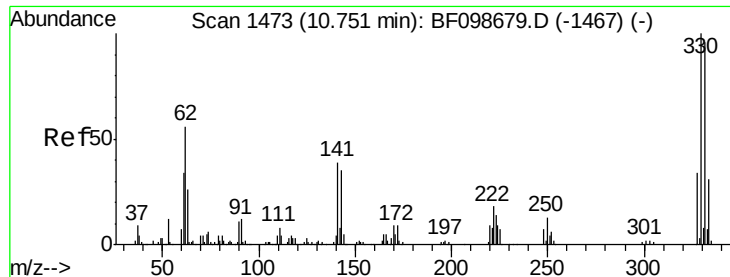
162 101.5 86.1 129.1

160 45.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

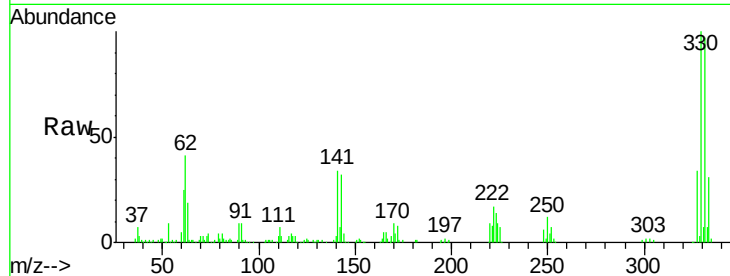




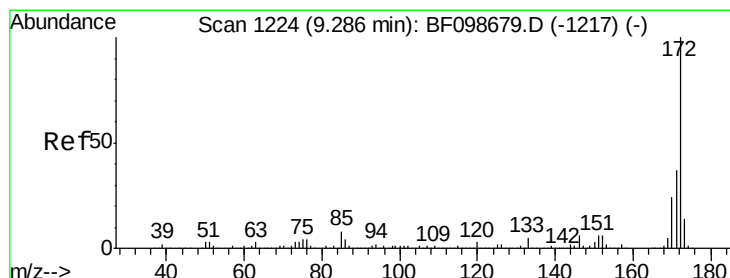
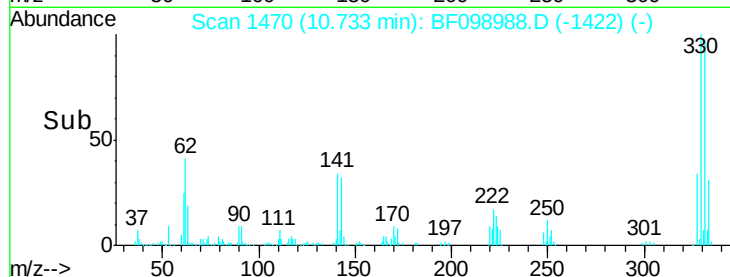
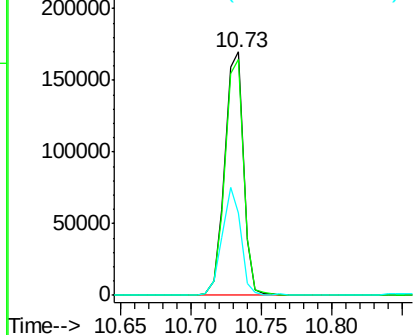
#41
 2,4,6-Tribromophenol
 Concen: 86.41 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098988.D
 Acq: 1 Oct 2017 13:25

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092717-C

Tot Ion:330 Resp: 158732
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 44.5 29.9 44.9

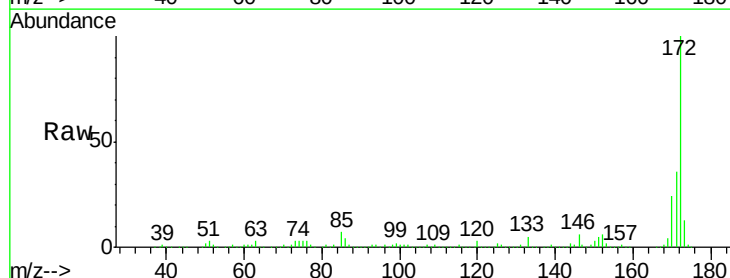


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

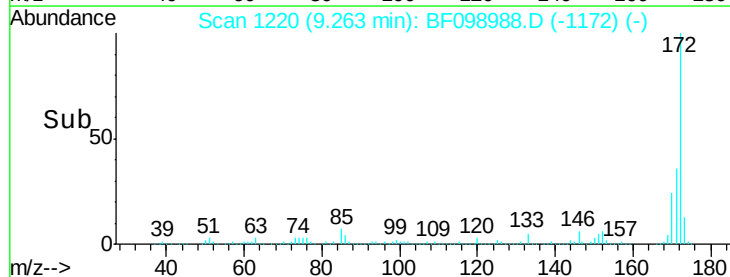
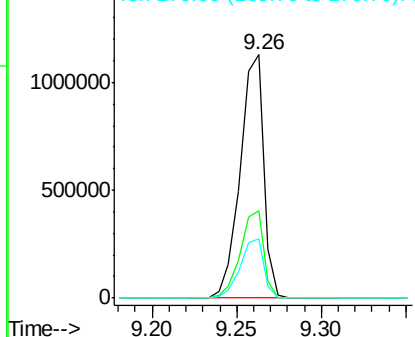


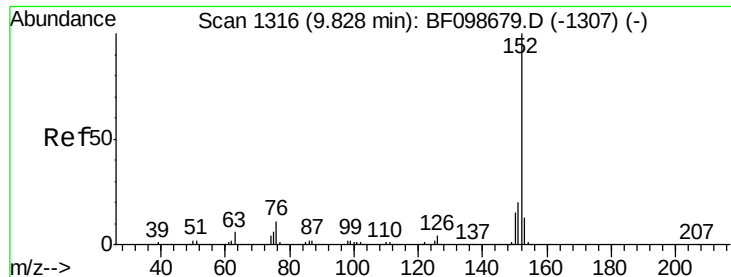
#44
 2-Fluorobiphenyl
 Concen: 81.94 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098988.D
 Acq: 1 Oct 2017 13:25

Tgt Ion:172 Resp: 1101900
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.2 19.6 29.4



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





#48

Acenaphthylene

Concen: 3.28 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

BNA_F

ClientSampleId :

CL-02-092717-C

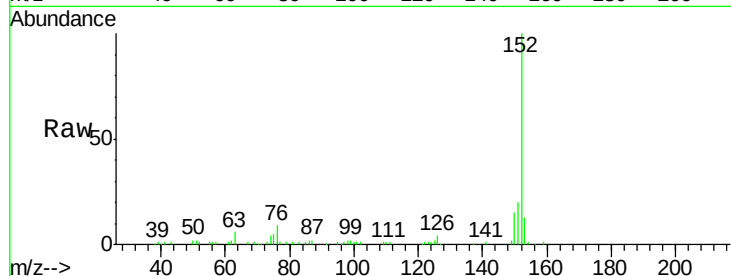
Tot Ion:152 Resp: 72659

Ion Ratio Lower Upper

152 100

151 19.6 16.3 24.5

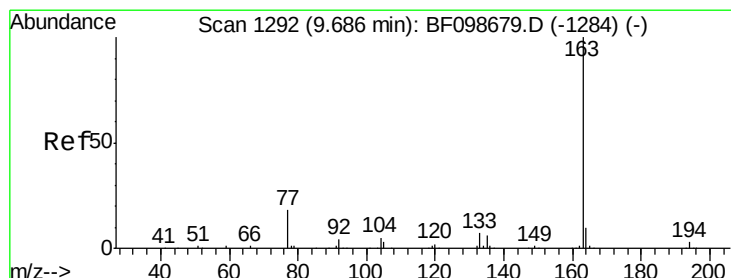
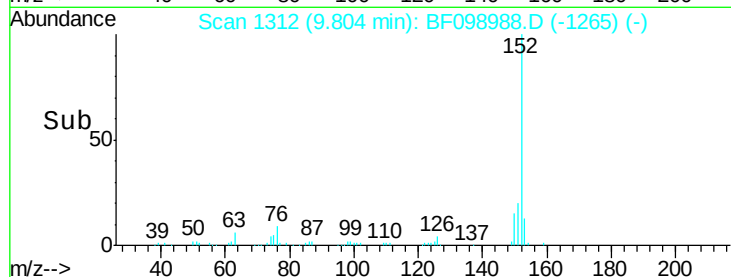
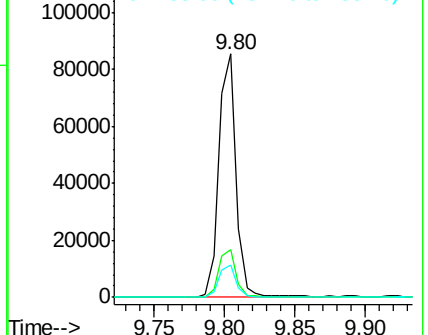
153 13.2 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 11.02 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.03 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

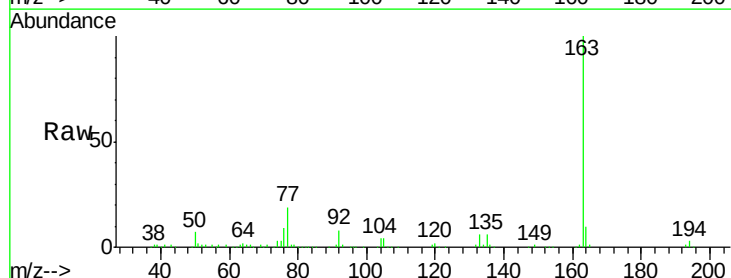
Tgt Ion:163 Resp: 186760

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

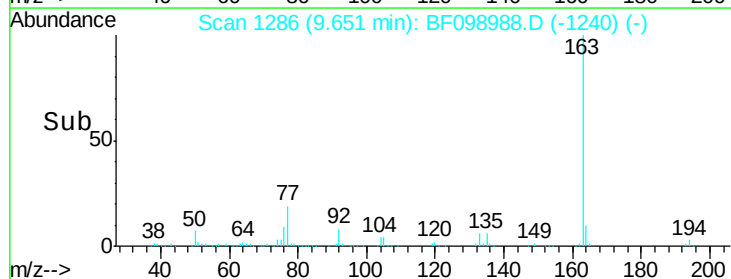
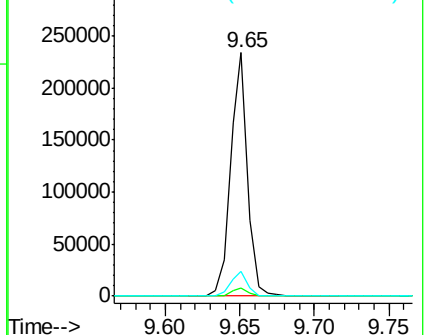
164 10.0 8.2 12.2

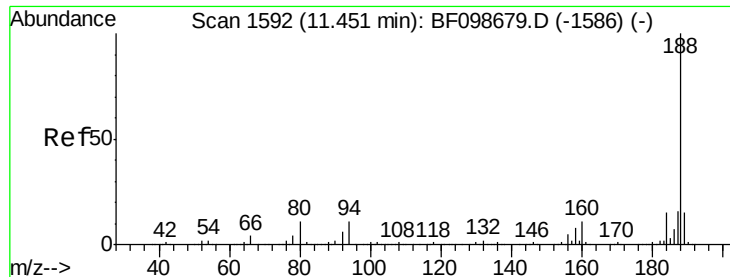


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

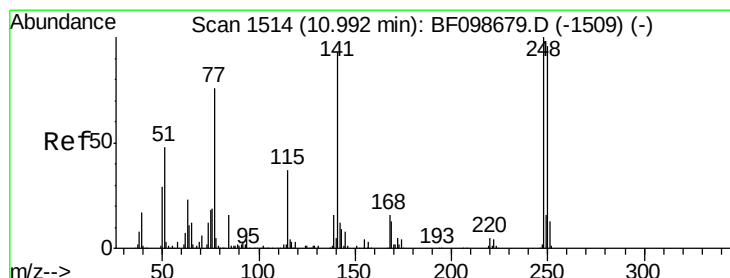
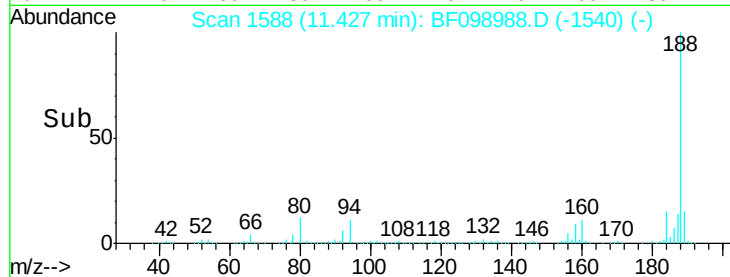
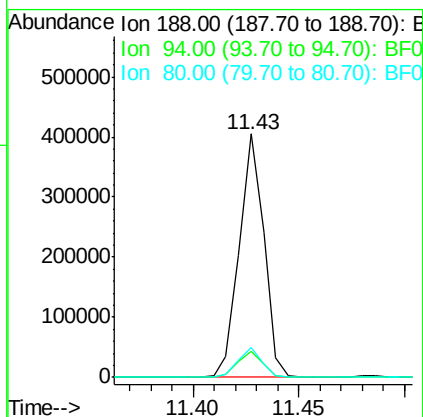
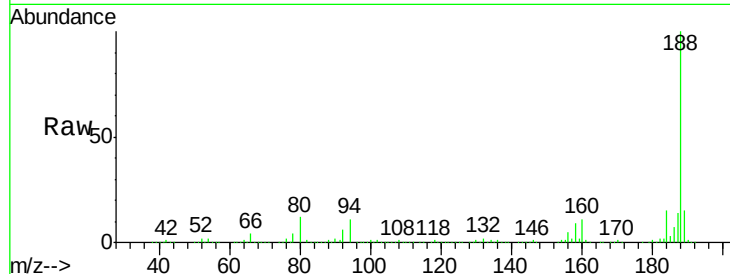




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

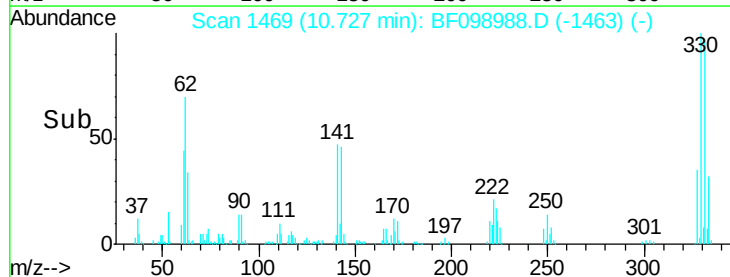
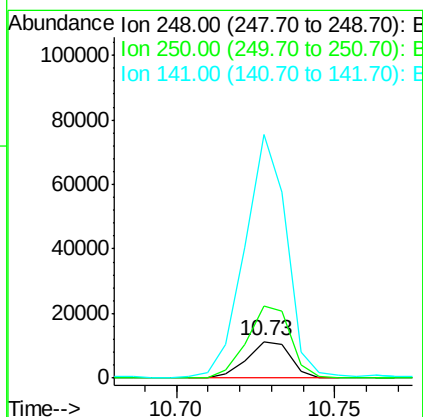
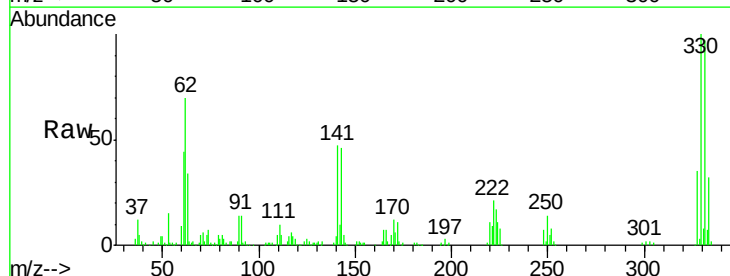
Instrument :
BNA_F
ClientSampleId :
CL-02-092717-C

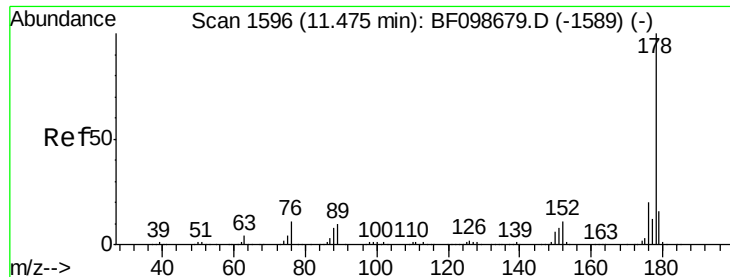
Tot Ion:188 Resp: 325719
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 12.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.37 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.26 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Tgt Ion:248 Resp: 10737
Ion Ratio Lower Upper
248 100
250 198.7 76.9 115.3#
141 667.9 74.4 111.6#





#70

Phenanthrene

Concen: 3.04 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

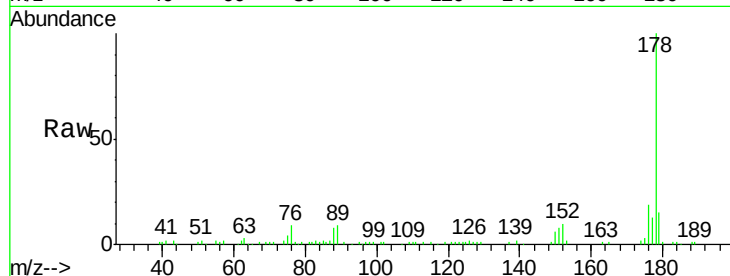
BNA_F

ClientSampleId :

CL-02-092717-C

Tot Ion:178 Resp: 53027

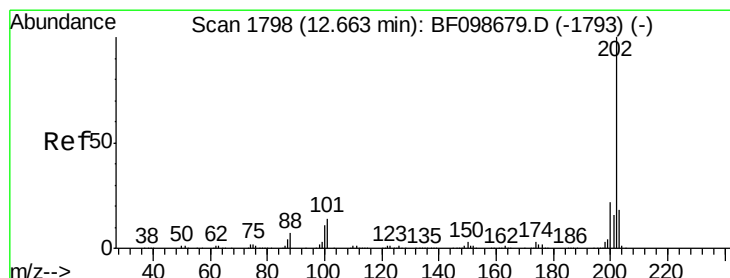
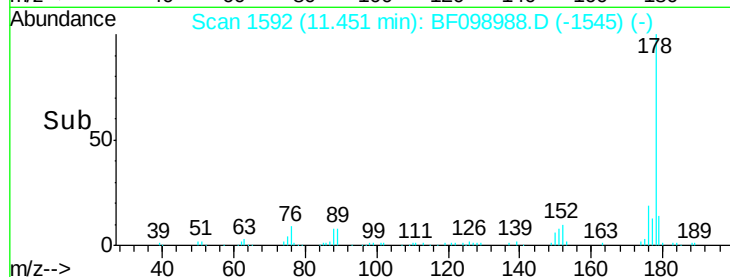
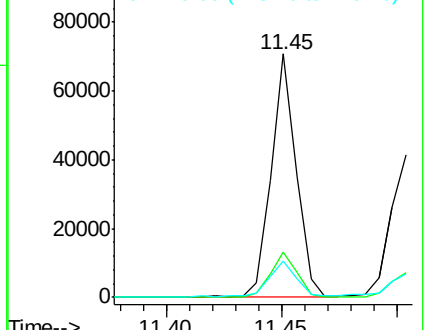
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	14.7	13.0	19.6



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: 6.66 ng

RT: 12.64 min Scan# 1794

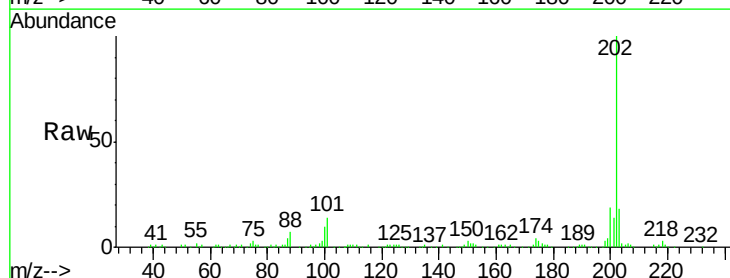
Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Tgt Ion:202 Resp: 117654

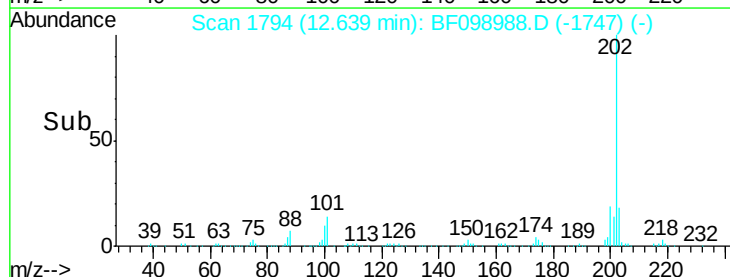
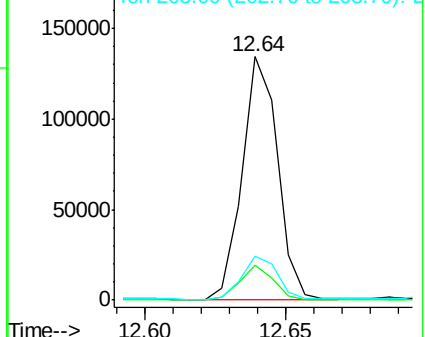
Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	18.1	0.0	38.1

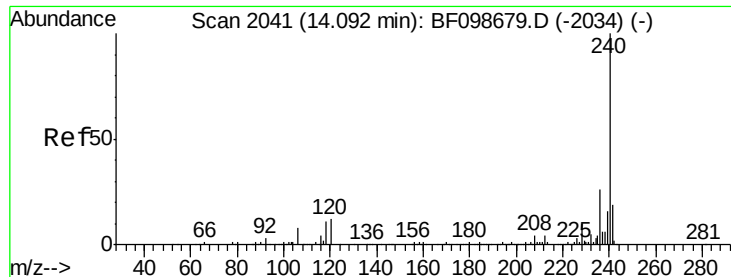


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.07 min Scan# 2037

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

BNA_F

ClientSampleId :

CL-02-092717-C

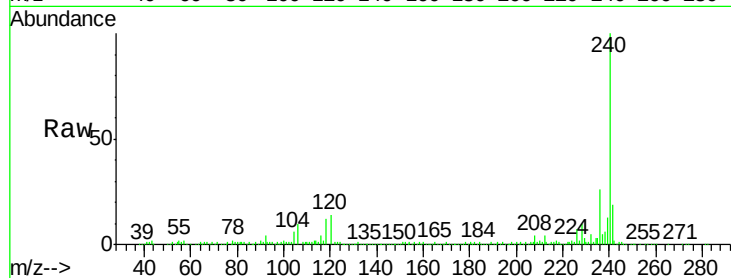
Tot Ion:240 Resp: 249658

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

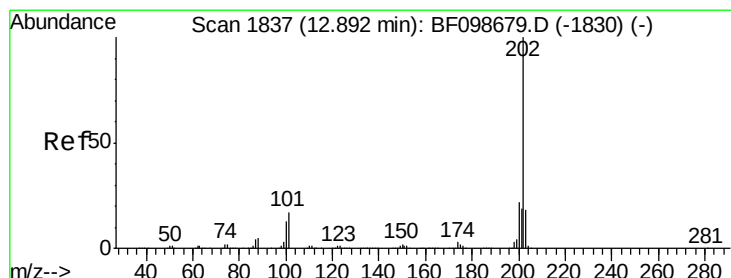
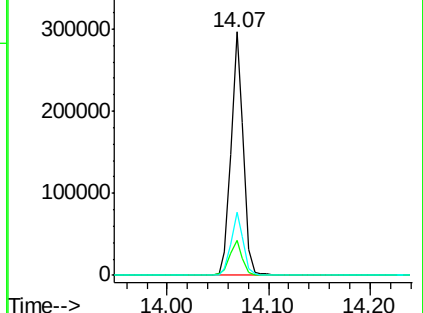
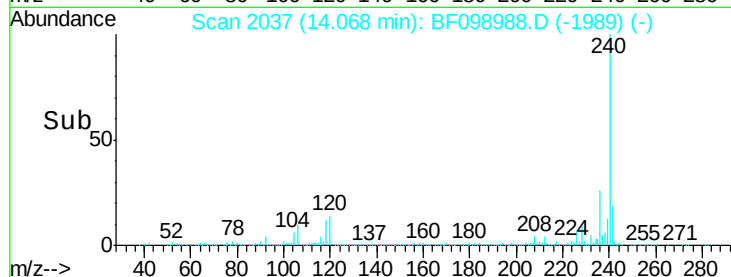
236 26.0 20.7 31.1



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: 8.05 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

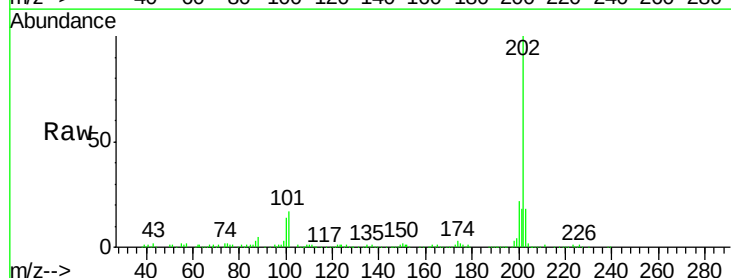
Tgt Ion:202 Resp: 153280

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

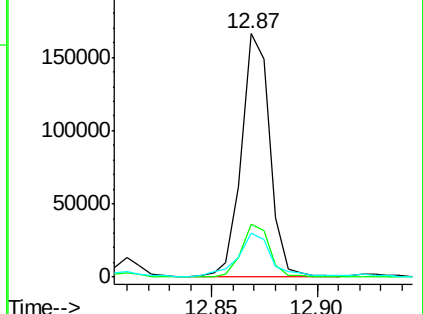
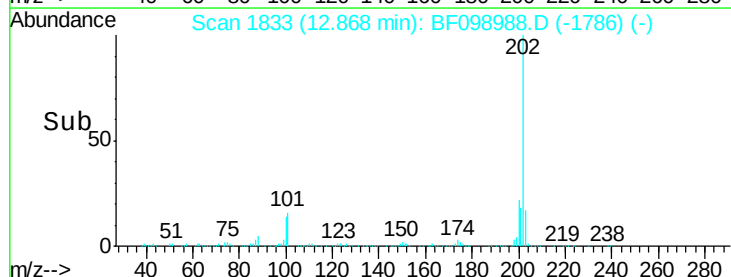
203 17.9 14.3 21.5

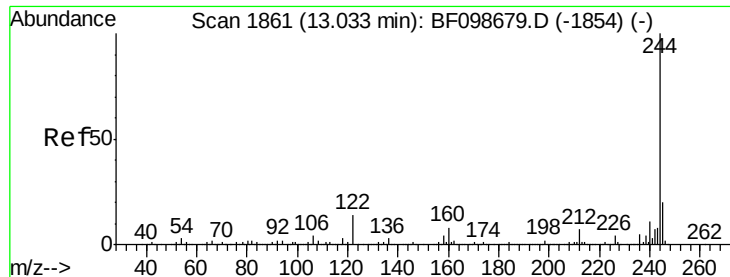


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

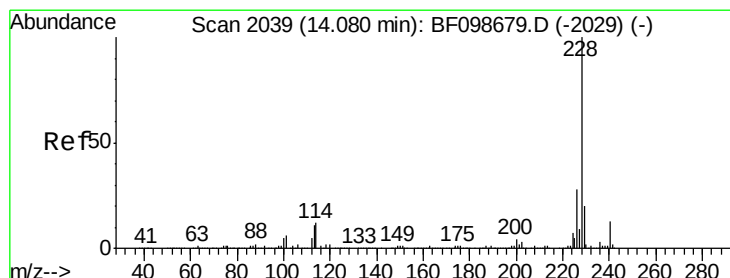
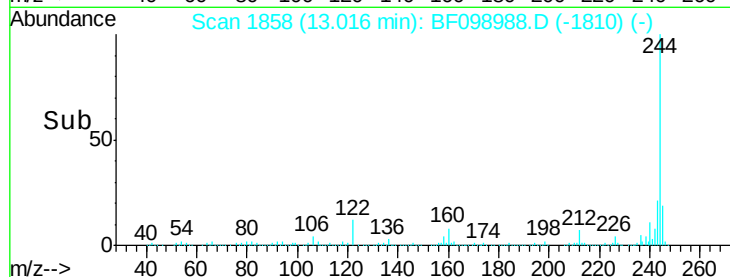
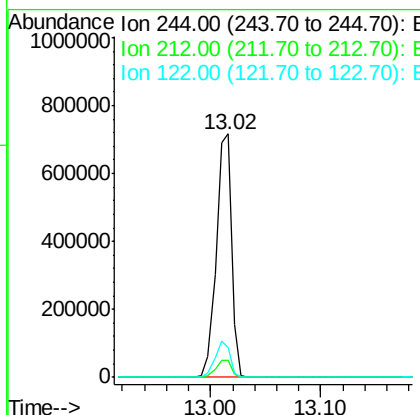
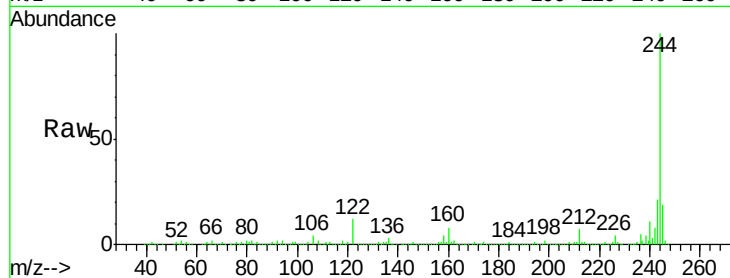




#78
 Terphenyl-d14
 Concen: 62.49 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. -0.02 min
 Lab File: BF098988.D
 Acq: 1 Oct 2017 13:25

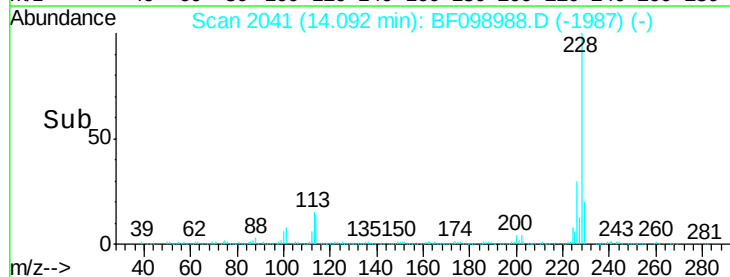
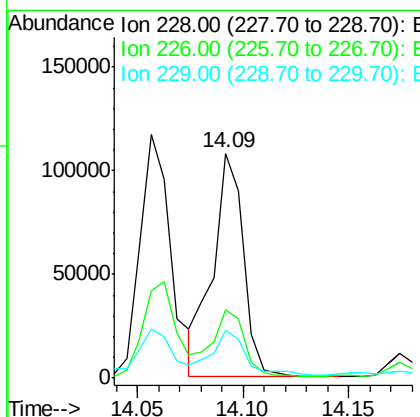
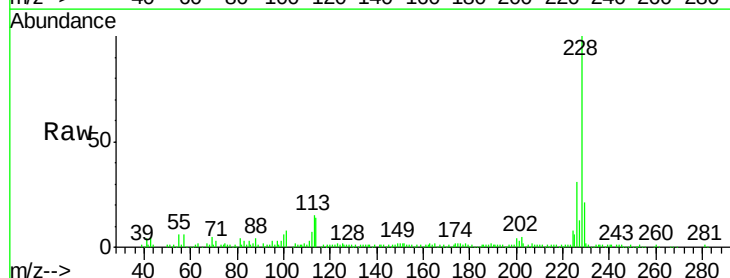
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-092717-C

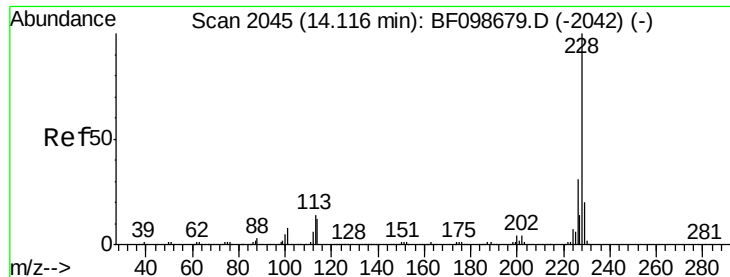
Tot Ion:244 Resp: 686011
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 12.4 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 7.14 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. 0.02 min
 Lab File: BF098988.D
 Acq: 1 Oct 2017 13:25

Tgt Ion:228 Resp: 107988
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.6 33.8
 229 21.3 15.8 23.6





#82

Chrysene

Concen: 7.50 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

BNA_F

ClientSampleId :

CL-02-092717-C

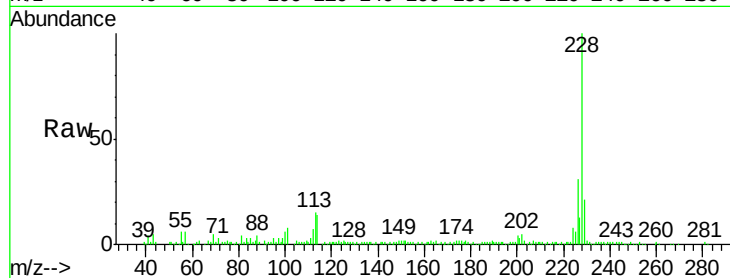
Tot Ion:228 Resp: 107988

Ion Ratio Lower Upper

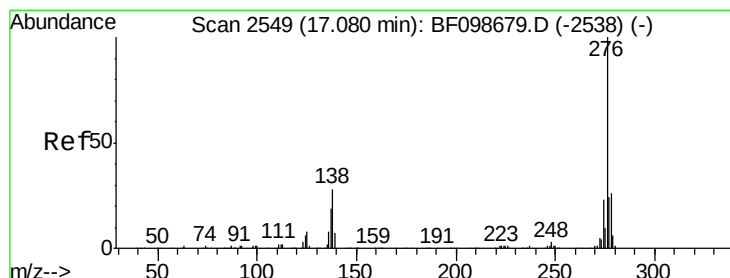
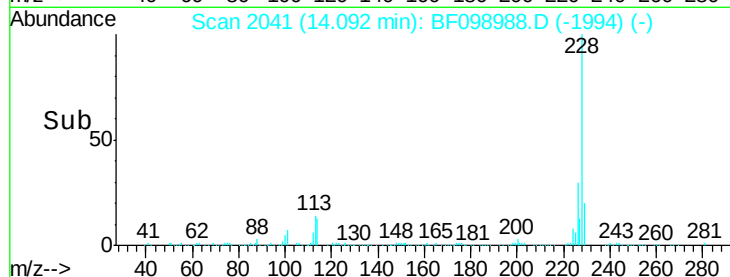
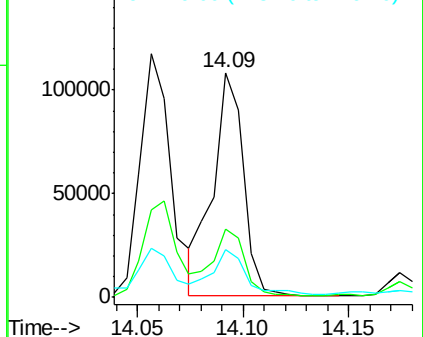
228 100

226 30.6 25.0 37.6

229 21.3 16.2 24.4



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: 10.23 ng

RT: 17.07 min Scan# 2547

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

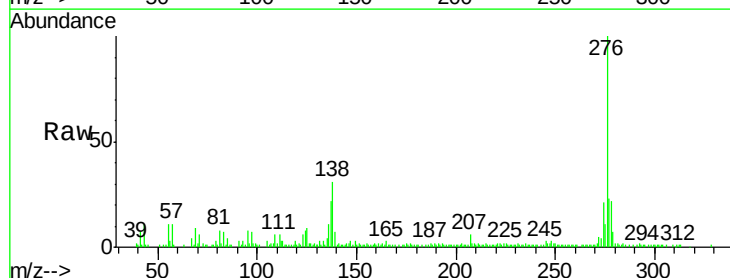
Tgt Ion:276 Resp: 117743

Ion Ratio Lower Upper

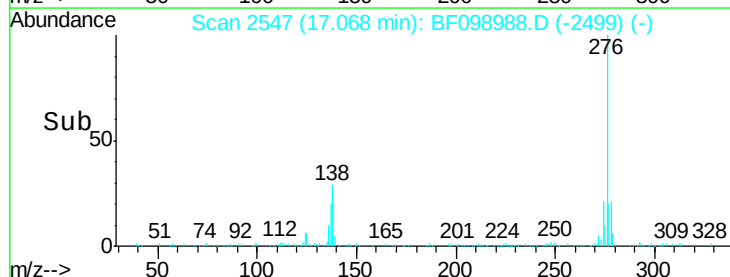
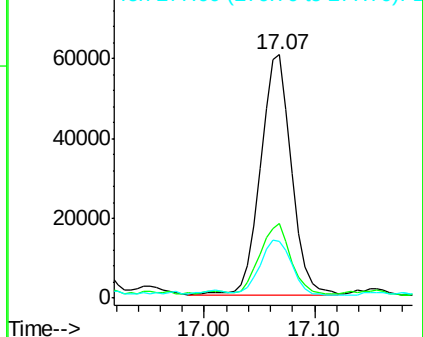
276 100

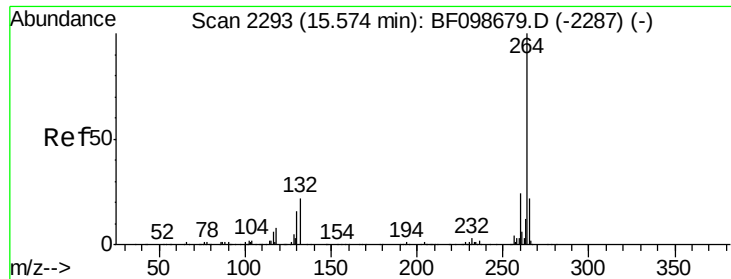
138 28.9 25.0 37.6

277 23.9 20.1 30.1



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

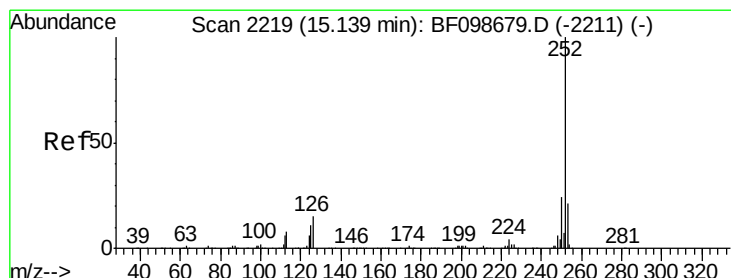
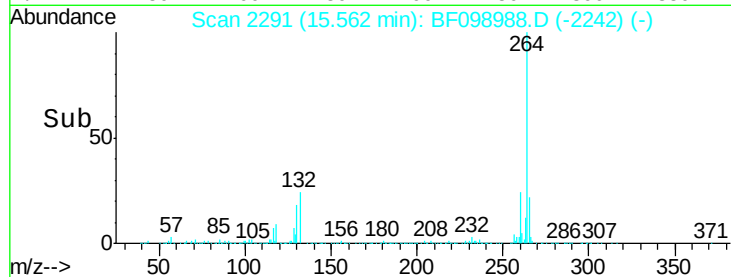
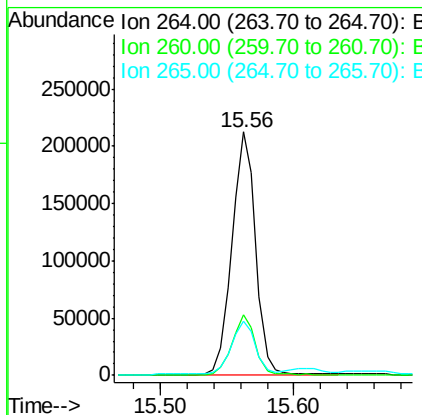
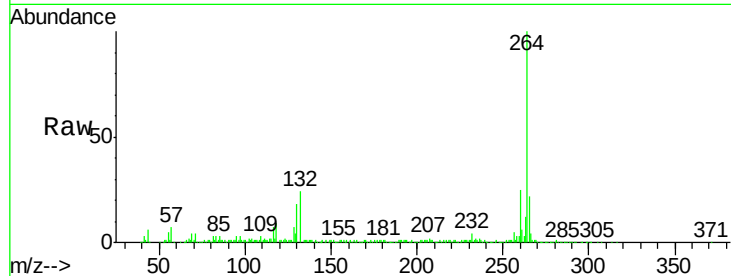




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

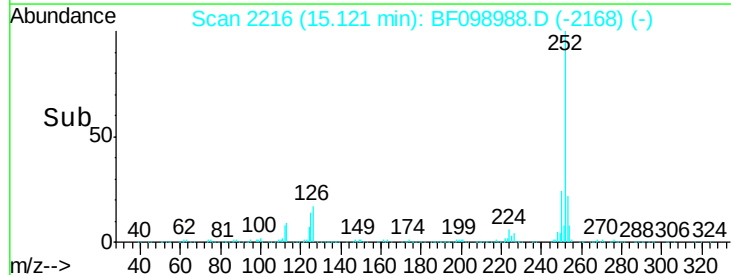
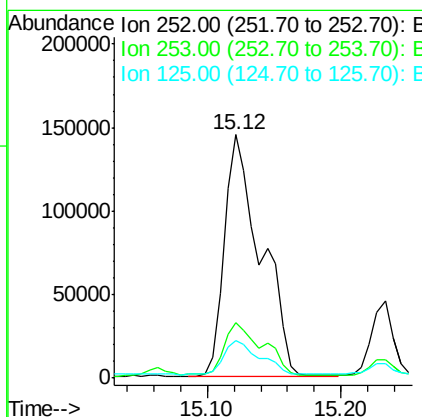
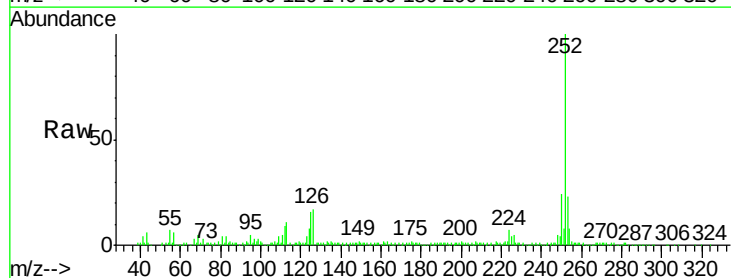
Instrument :
BNA_F
ClientSampleId :
CL-02-092717-C

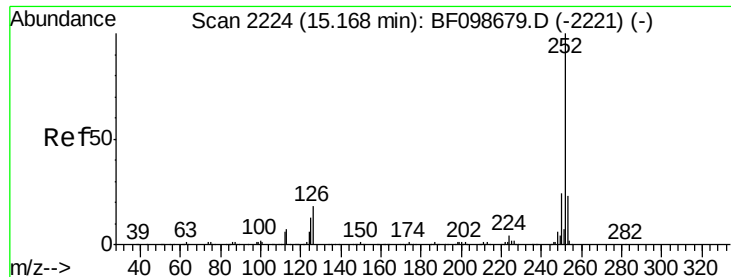
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.5	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 17.25 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	15.5	9.0	13.6

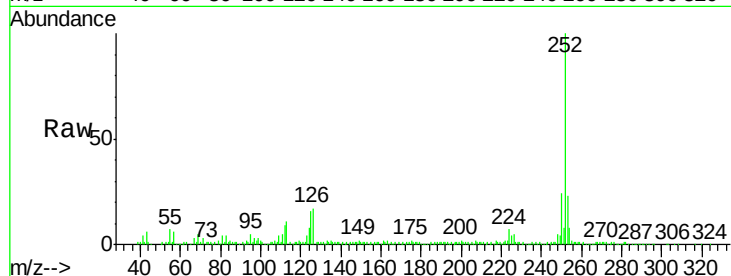




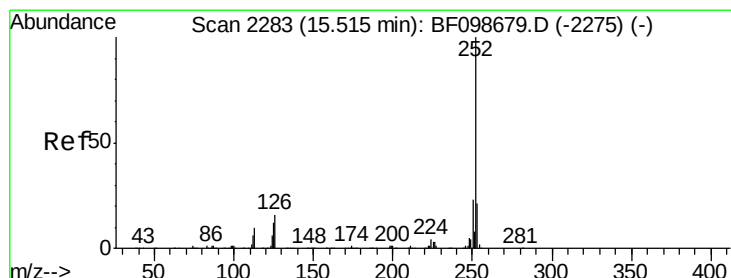
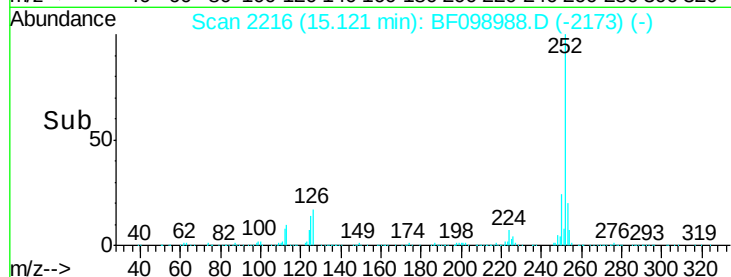
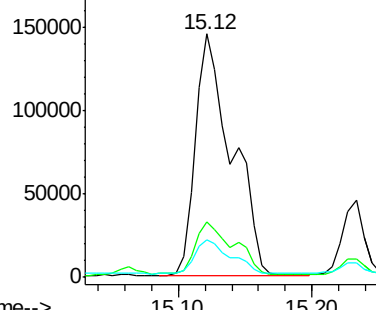
#88
Benzo(k)fluoranthene
Concen: 17.47 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.05 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Instrument :
BNA_F
ClientSampleId :
CL-02-092717-C

Tot Ion:252 Resp: 278713
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 15.5 10.2 15.2#

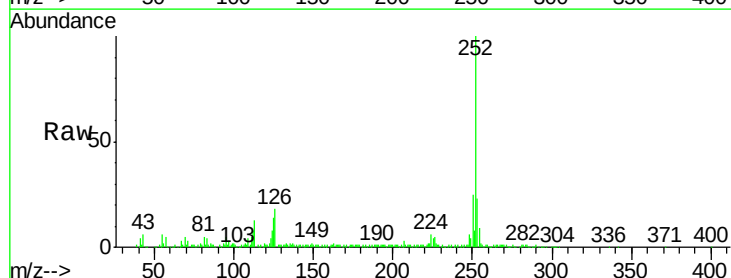


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

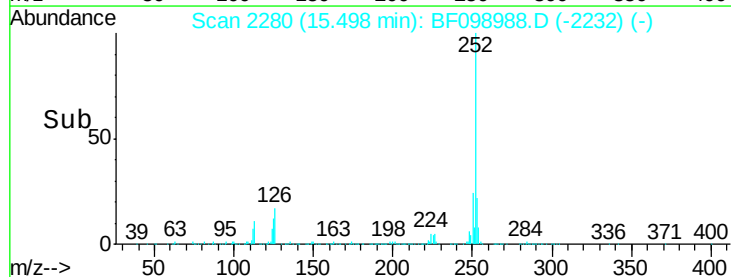
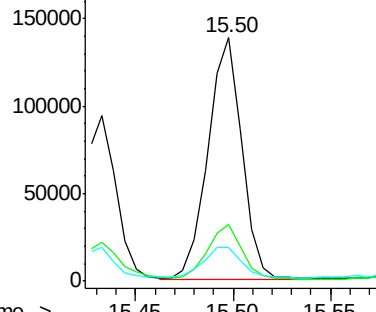


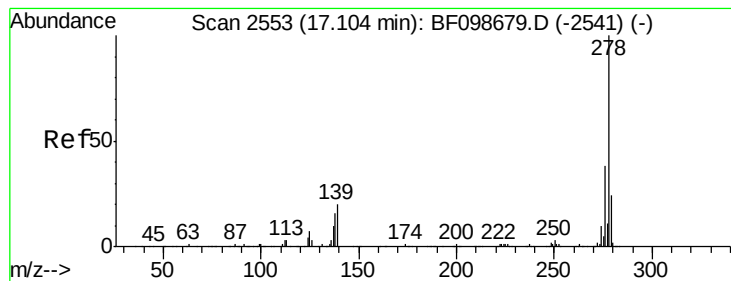
#89
Benzo(a)pyrene
Concen: 11.20 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098988.D
Acq: 1 Oct 2017 13:25

Tgt Ion:252 Resp: 166042
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 13.8 9.8 14.6



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





#90

Dibenzo(a,h)anthracene

Concen: 2.51 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.03 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

Instrument :

BNA_F

ClientSampleId :

CL-02-092717-C

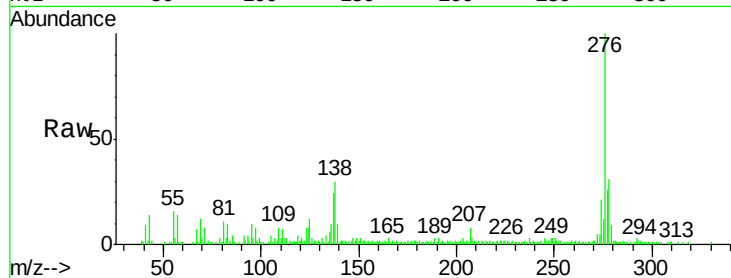
Tot Ion:278 Resp: 29745

Ion Ratio Lower Upper

278 100

139 34.0 15.9 23.9#

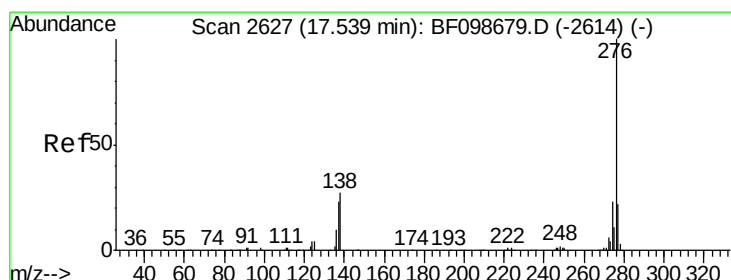
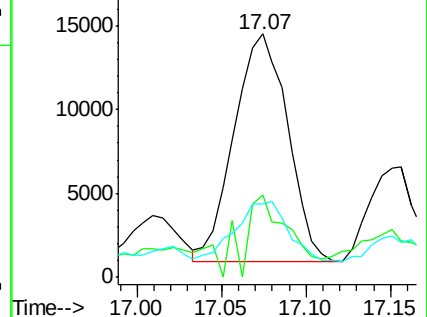
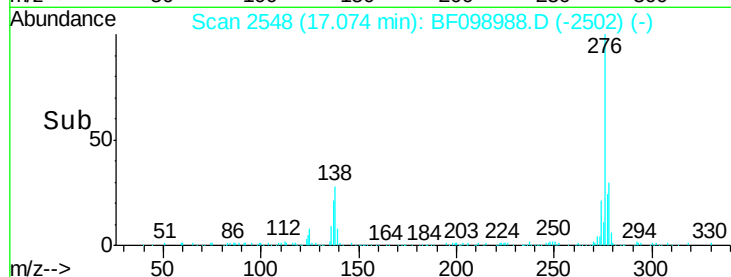
279 30.0 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 10.17 ng

RT: 17.53 min Scan# 2625

Delta R.T. -0.02 min

Lab File: BF098988.D

Acq: 1 Oct 2017 13:25

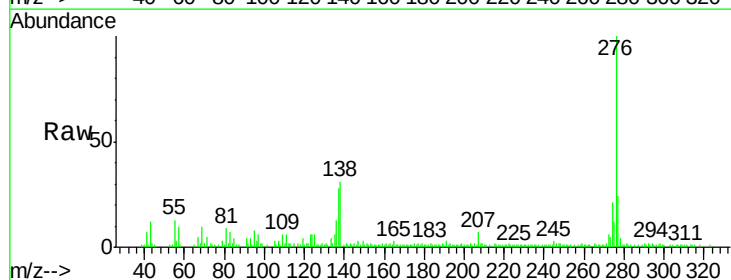
Tgt Ion:276 Resp: 119304

Ion Ratio Lower Upper

276 100

277 24.0 17.9 26.9

138 31.4 21.8 32.8



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

