

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098972.D
 Acq On : 30 Sep 2017 19:39
 Operator : SJ/JU
 Sample : I5530-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 30 23:28:38 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	6.92	152	146398	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	596536	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	239552	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	339547	20.00	ng	0.00
75) Chrysene-d12	14.09	240	269141	20.00	ng	0.00
86) Perylene-d12	15.59	264	204030	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	402129	43.73	ng	0.00
7) Phenol-d6	6.54	99	482689	42.55	ng	0.00
23) Nitrobenzene-d5	7.47	82	282323	30.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	62504	31.89	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	551362	38.42	ng	-0.01
78) Terphenyl-d14	13.02	244	343275	29.01	ng	-0.01

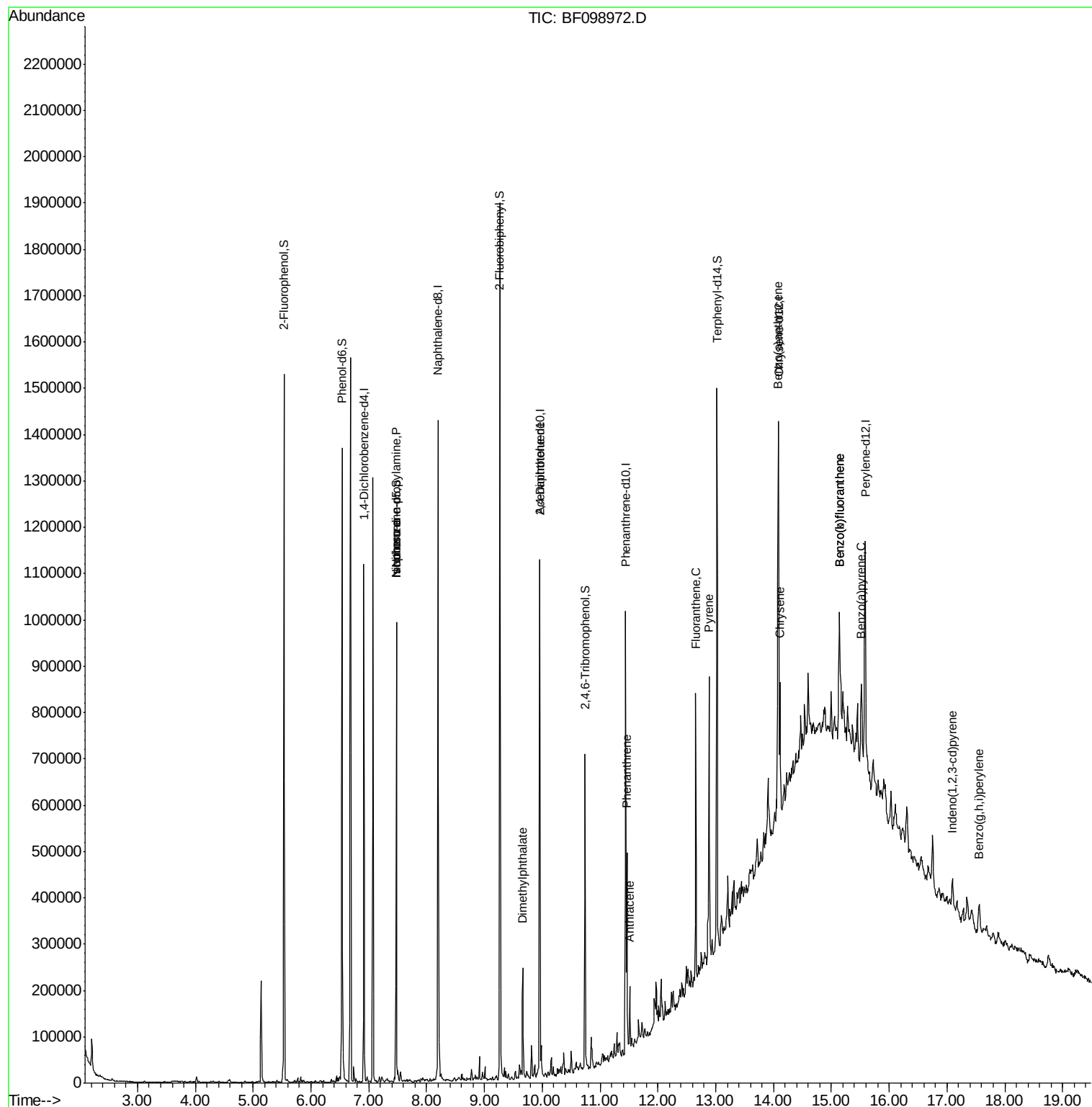
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	38009	5.248	ng	# 76
25) Isophorone	7.47	82	279012	14.508	ng	# 64
49) Dimethylphthalate	9.66	163	90659	5.014	ng	99
56) 2,4-Dinitrotoluene	9.95	165	31934	6.251	ng	# 24
70) Phenanthrene	11.46	178	150056	8.256	ng	97
71) Anthracene	11.52	178	44034	2.368	ng	98
74) Fluoranthene	12.66	202	229297	12.459	ng	98
77) Pyrene	12.89	202	216435	10.546	ng	99
80) Benzo(a)anthracene	14.07	228	105951	6.501	ng	94
82) Chrysene	14.11	228	94636	6.099	ng	97
85) Indeno(1,2,3-cd)pyrene	17.10	276	40572	3.269	ng	98
87) Benzo(b)fluoranthene	15.14	252	146217	11.656	ng	# 87
88) Benzo(k)fluoranthene	15.14	252	146217	11.801	ng	# 90
89) Benzo(a)pyrene	15.52	252	75170	6.528	ng	# 87
91) Benzo(a,h,i)perylene	17.56	276	43642	4.791	ng	# 89

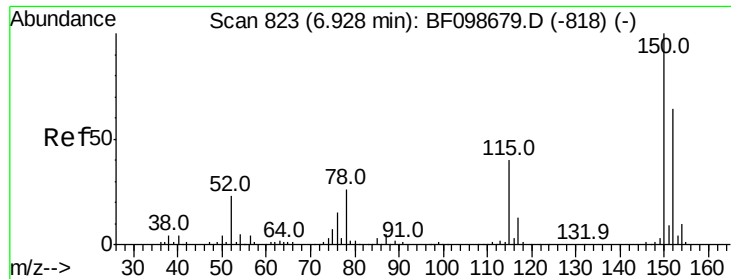
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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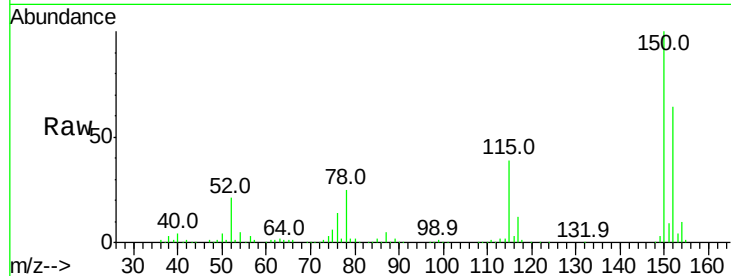


#1

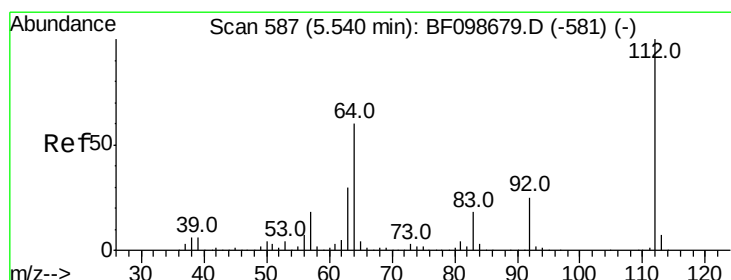
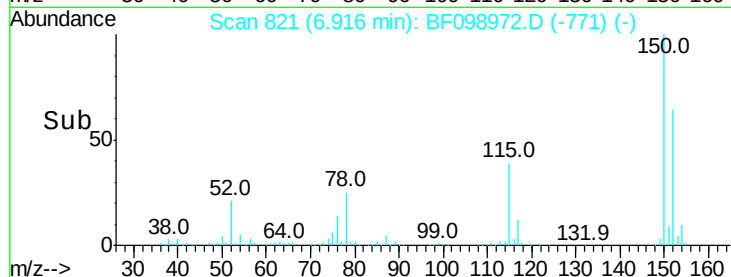
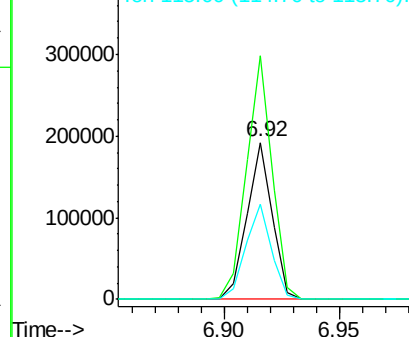
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098972.D
Acq: 30 Sep 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146398
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 60.9 50.1 75.1



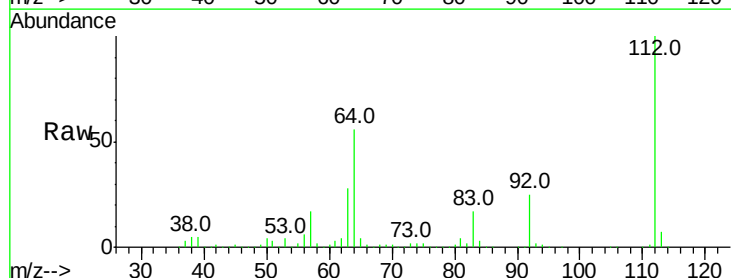
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



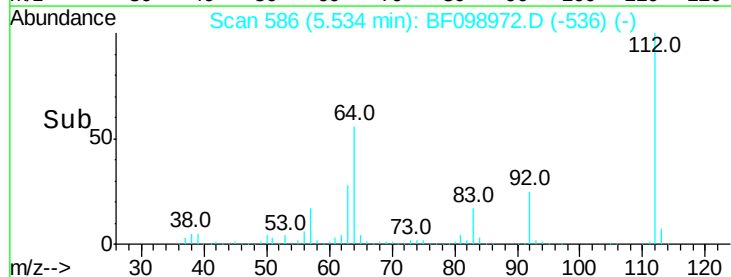
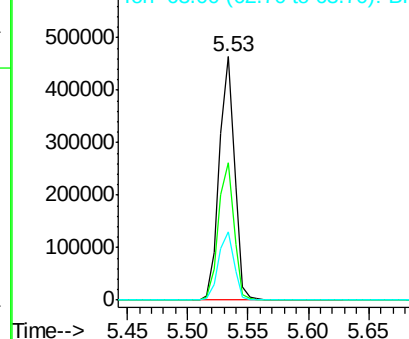
#5

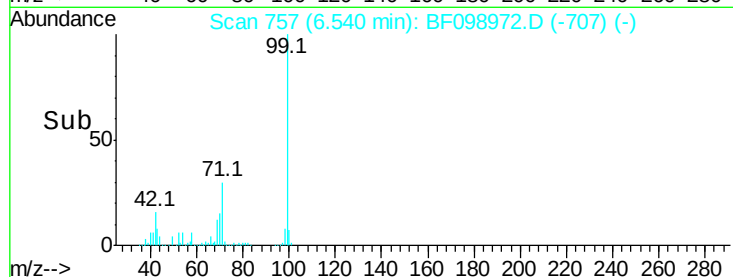
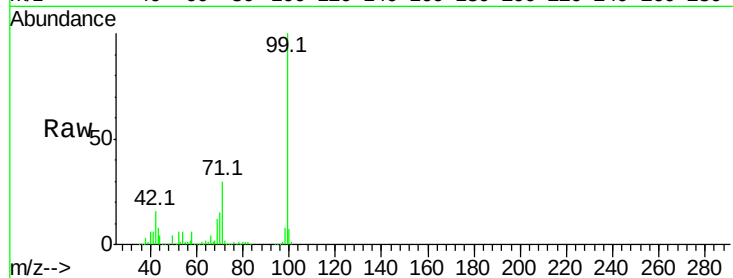
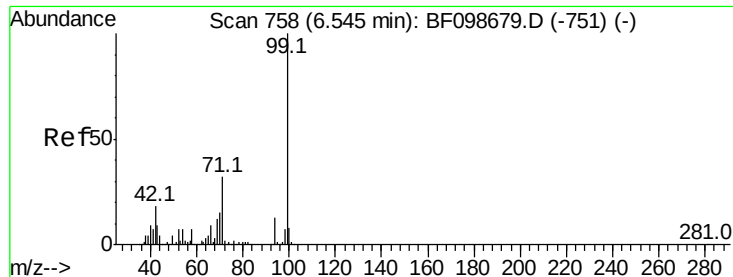
2-Fluorophenol
Concen: 43.727 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098972.D
Acq: 30 Sep 2017 19:39

Tgt Ion:112 Resp: 402129
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 28.1 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: 42.547 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

Instrument :

BNA_F

ClientSampleId :

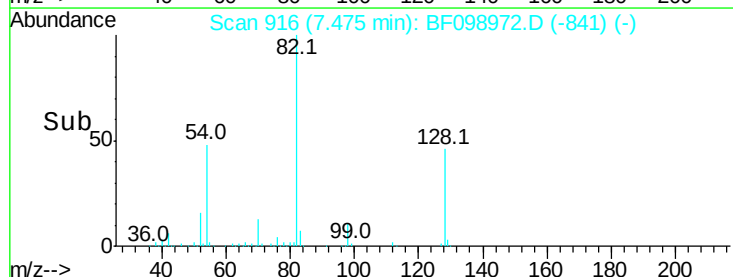
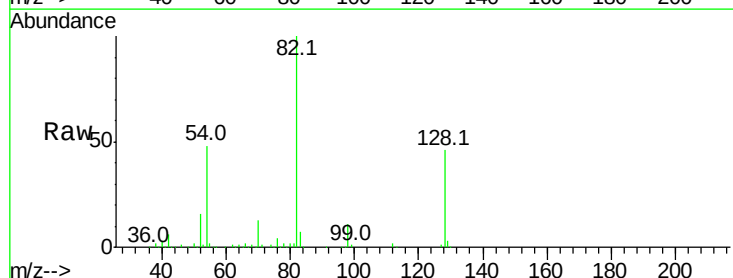
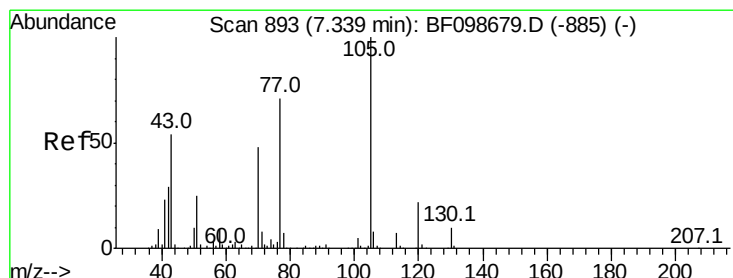
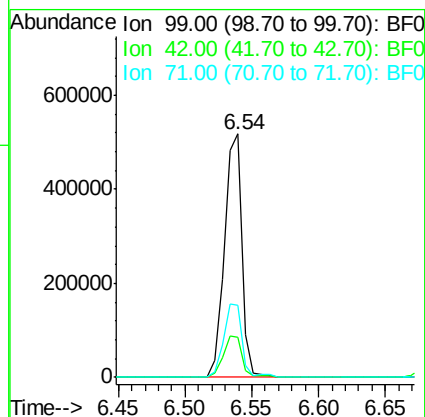
Tot Ion: 99 Resp: 482689

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 29.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.248 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

Tgt Ion: 70 Resp: 38009

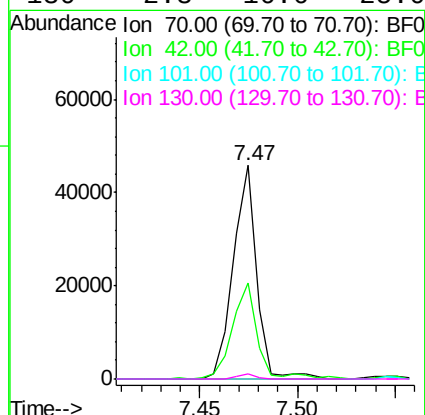
Ion Ratio Lower Upper

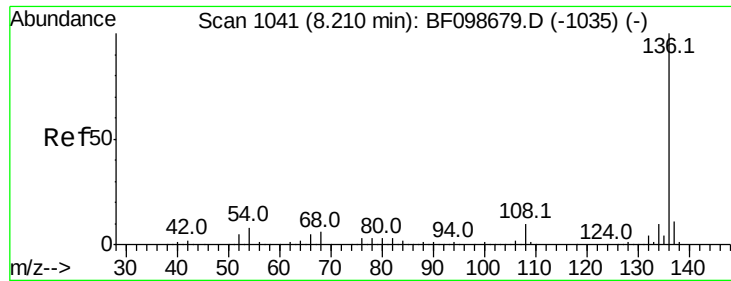
70 100

42 45.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

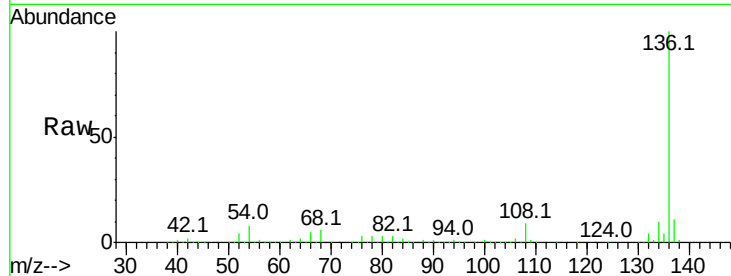




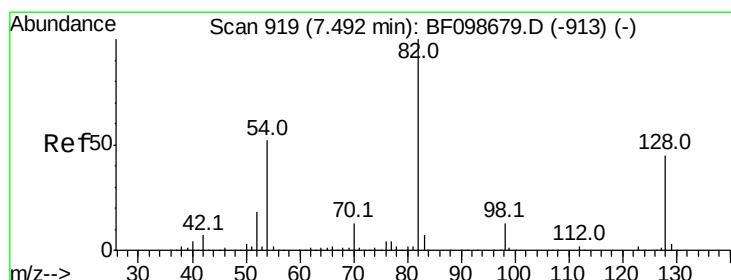
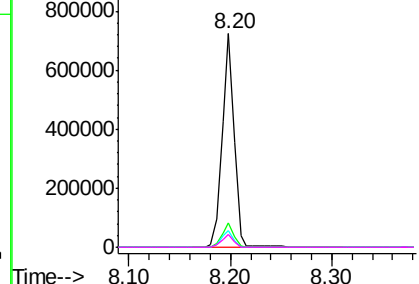
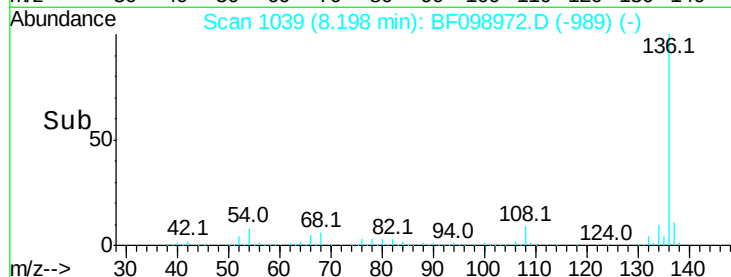
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098972.D
Acq: 30 Sep 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	596536
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.8	6.6	9.8
68	5.8	5.0	7.4

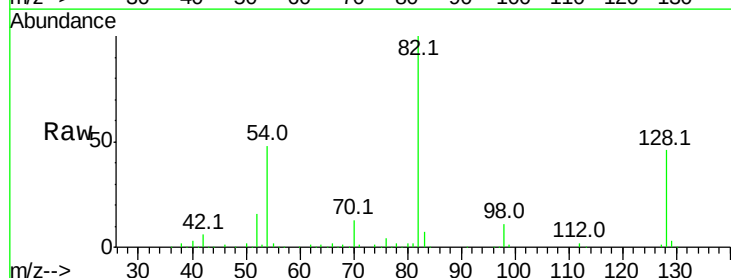


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

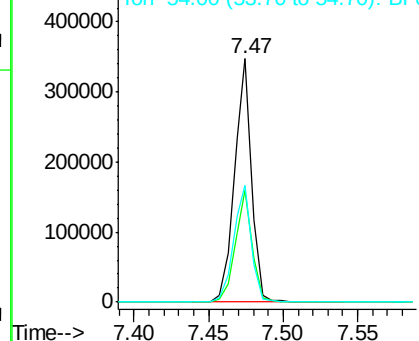
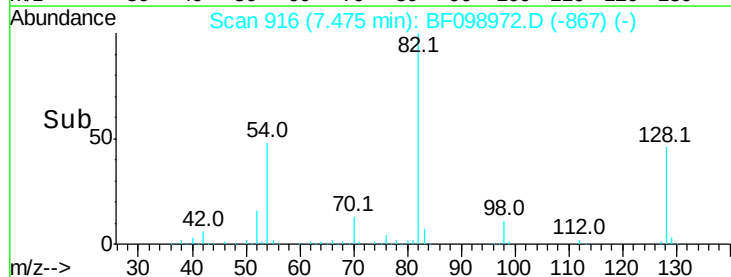


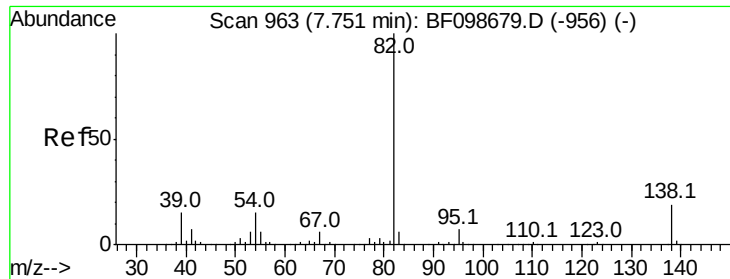
#23
Nitrobenzene-d5
Concen: 30.351 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098972.D
Acq: 30 Sep 2017 19:39

Tgt Ion:	82	Resp:	282323
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	48.2	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: 14.508 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

Instrument :

BNA_F

ClientSampleId :

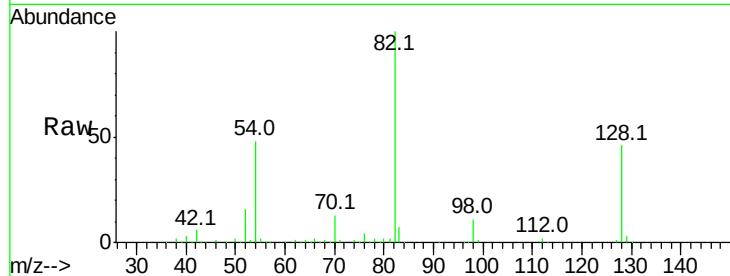
Tot Ion: 82 Resp: 279012

Ion Ratio Lower Upper

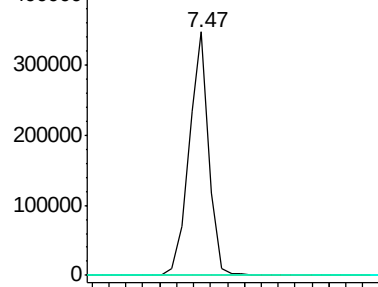
82 100

95 0.0 5.2 7.8#

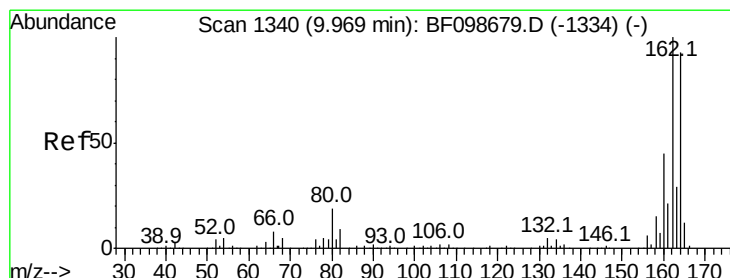
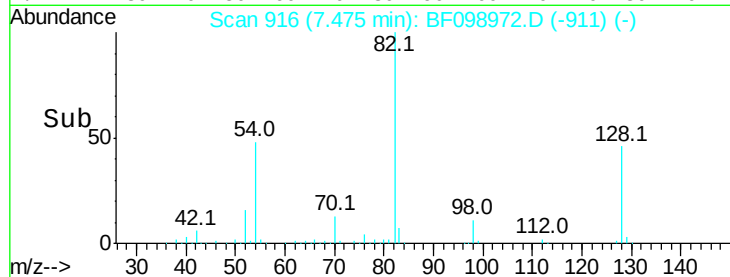
138 0.0 14.9 22.3#



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



Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

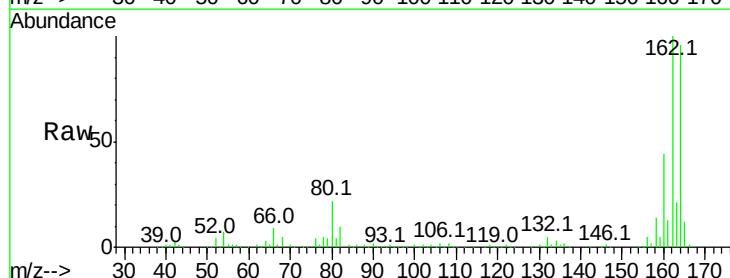
Tgt Ion: 164 Resp: 239552

Ion Ratio Lower Upper

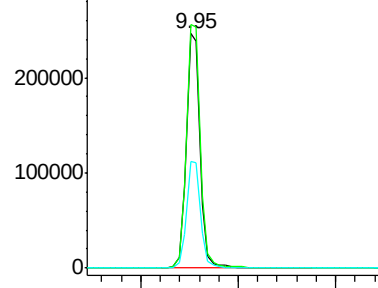
164 100

162 104.0 86.1 129.1

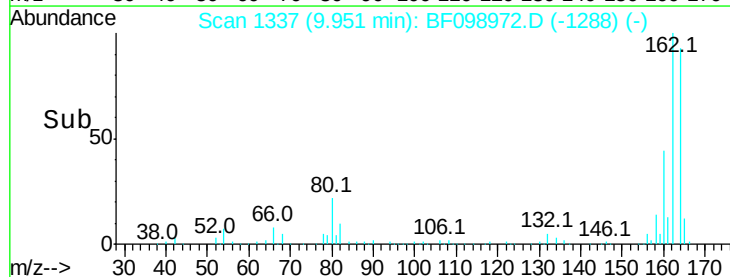
160 45.4 38.3 57.5

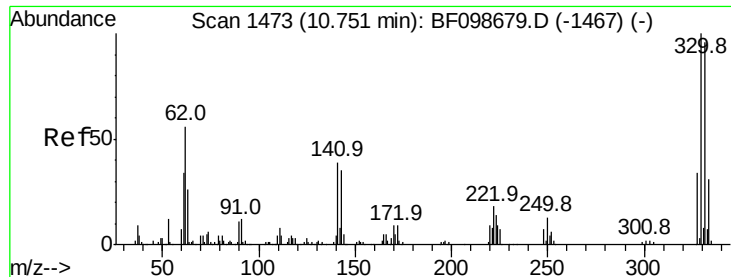


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

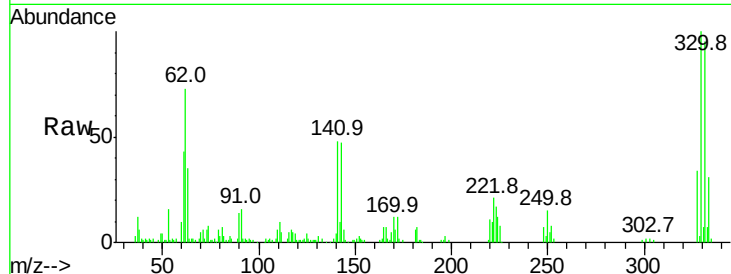




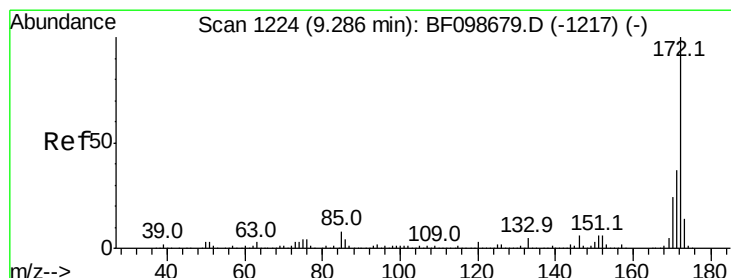
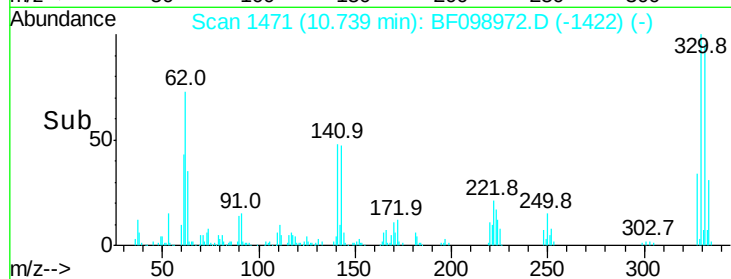
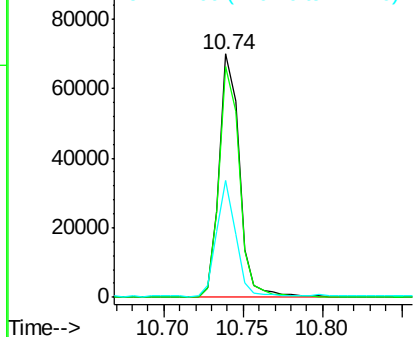
#41
 2,4,6-Tribromophenol
 Concen: 31.887 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098972.D
 Acq: 30 Sep 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 62504
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 47.6 29.9 44.9#

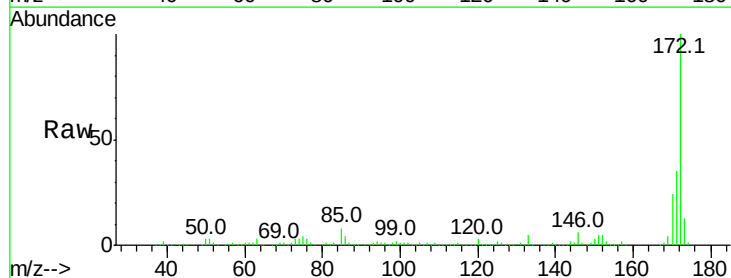


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

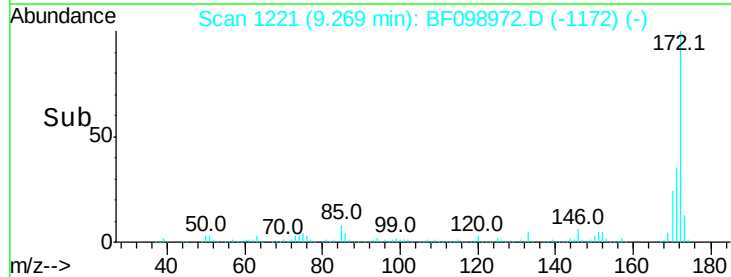
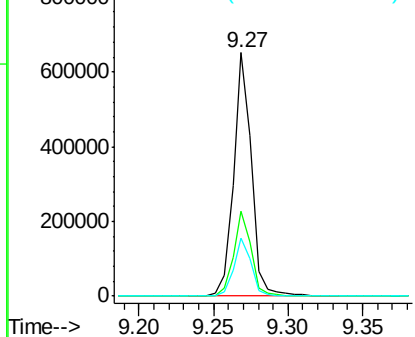


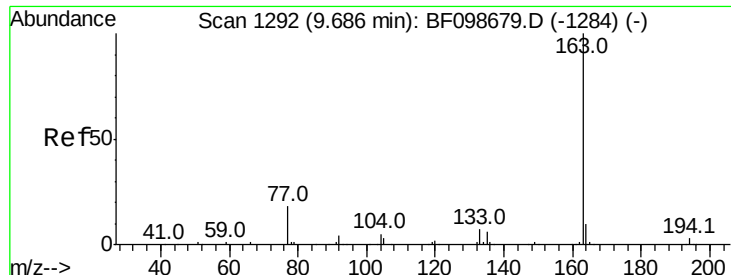
#44
 2-Fluorobiphenyl
 Concen: 38.424 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098972.D
 Acq: 30 Sep 2017 19:39

Tgt Ion:172 Resp: 551362
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 24.0 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





#49

Dimethylphthalate

Concen: 5.014 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

Instrument :

BNA_F

ClientSampleId :

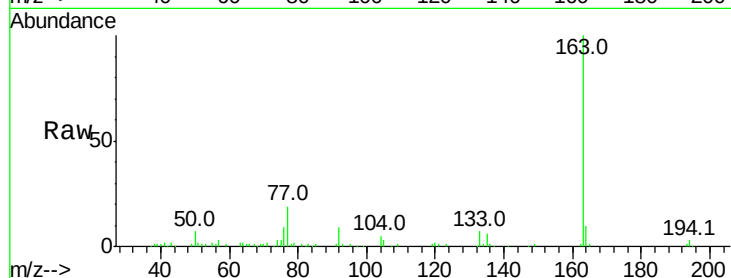
Tot Ion:163 Resp: 90659

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

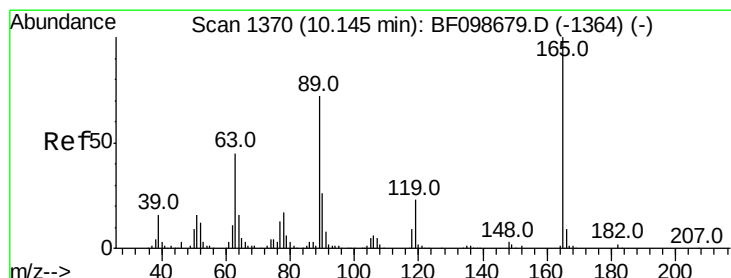
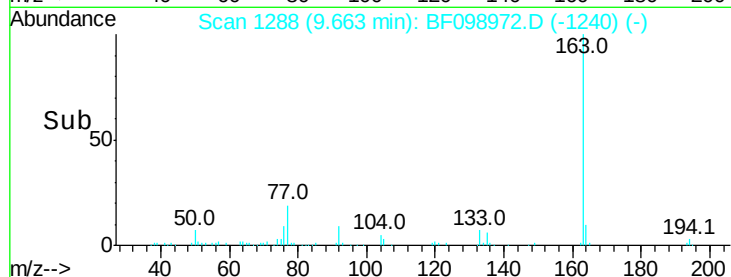
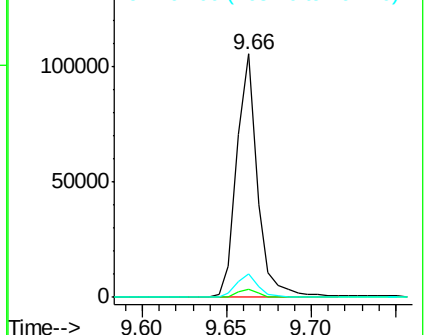
164 9.7 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.251 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

Tgt Ion:165 Resp: 31934

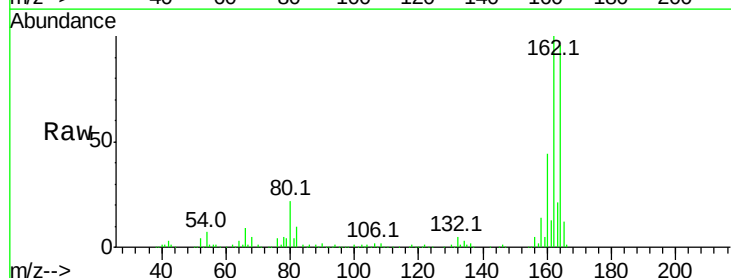
Ion Ratio Lower Upper

165 100

63 1.9 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

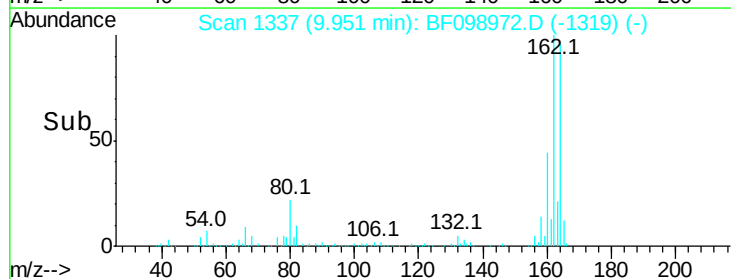
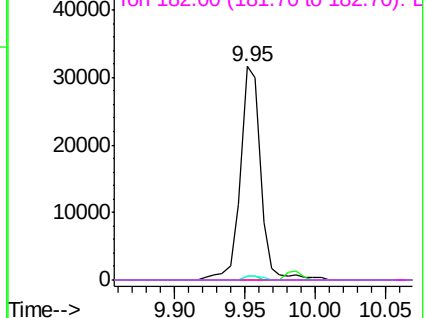


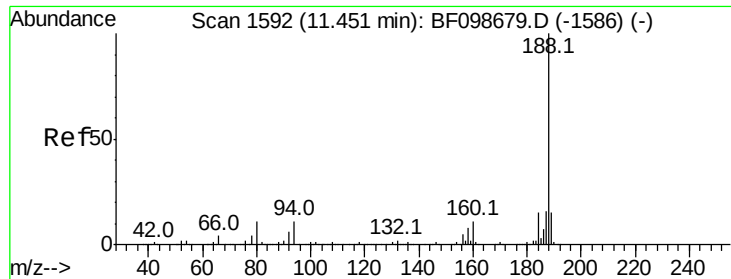
Abundance Ion 165.00 (164.70 to 165.70): E

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

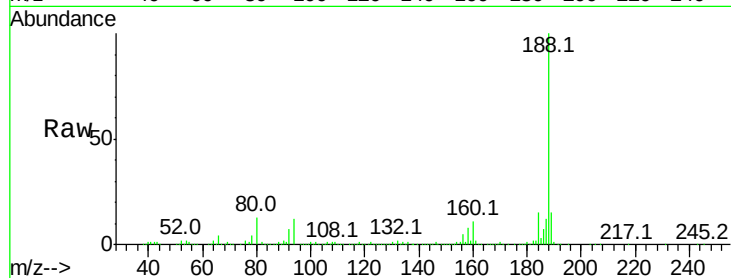




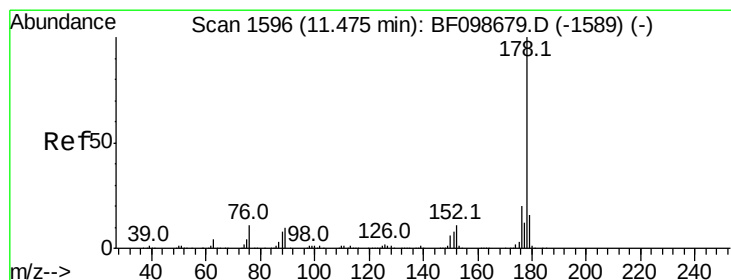
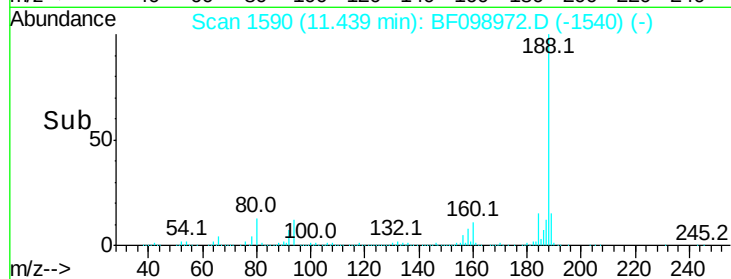
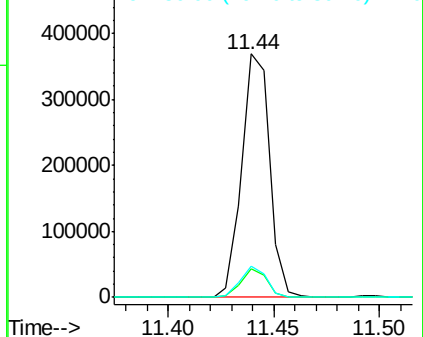
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098972.D
Acq: 30 Sep 2017 19:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 339547
Ion Ratio Lower Upper
188 100
94 11.8 8.5 12.7
80 12.9 9.2 13.8

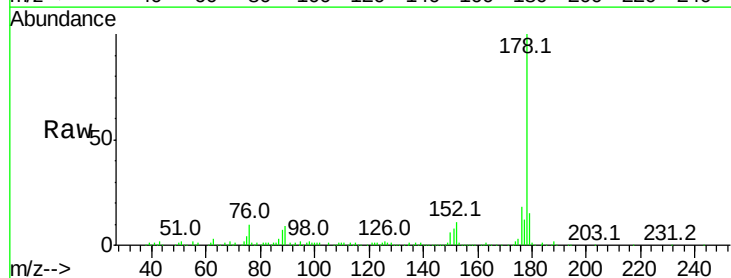


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

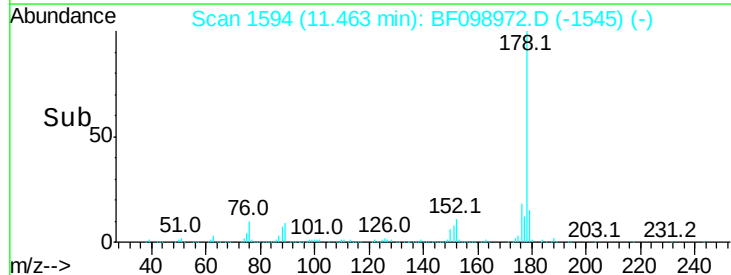
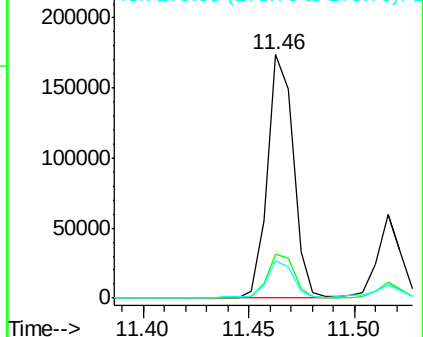


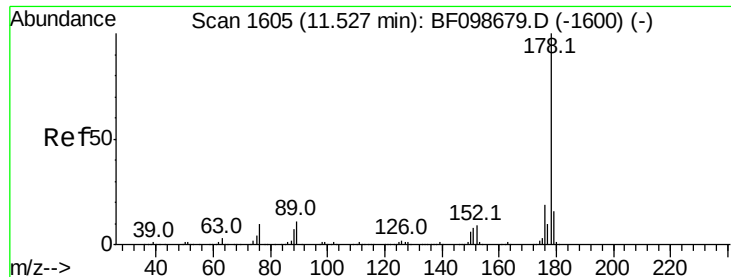
#70
Phenanthrene
Concen: 8.256 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098972.D
Acq: 30 Sep 2017 19:39

Tgt Ion:178 Resp: 150056
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 15.2 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





#71

Anthracene

Concen: 2.368 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

Instrument :

BNA_F

ClientSampleId :

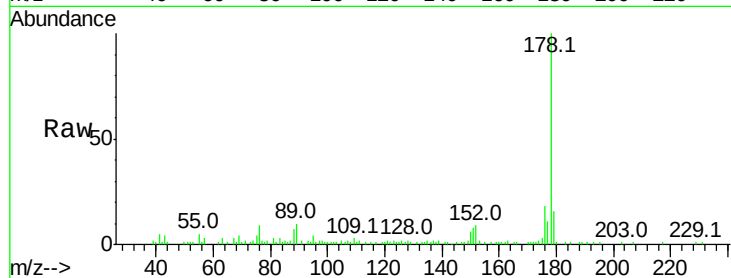
Tot Ion:178 Resp: 44034

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

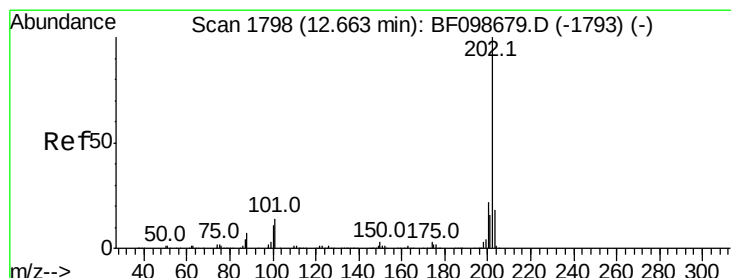
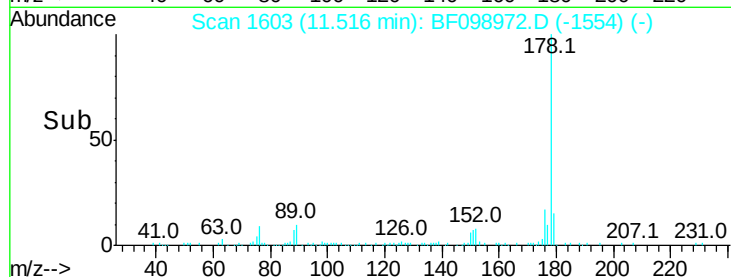
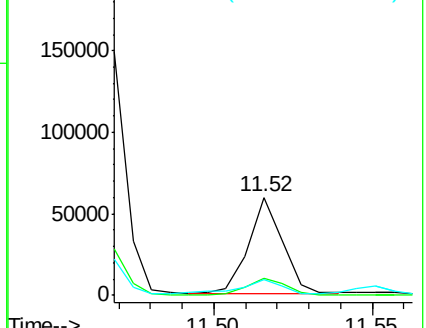
179 15.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 12.459 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

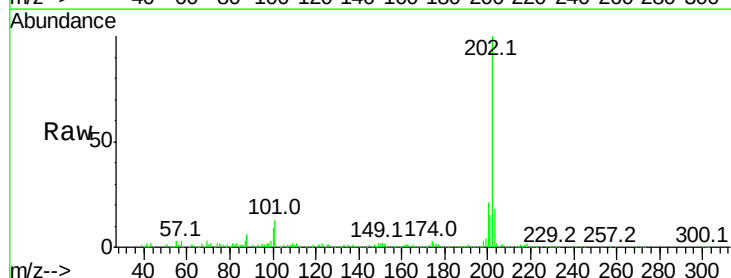
Tgt Ion:202 Resp: 229297

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

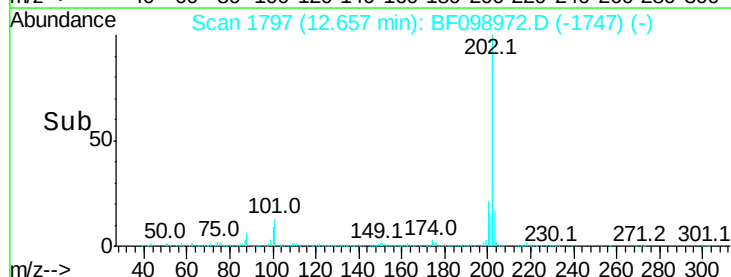
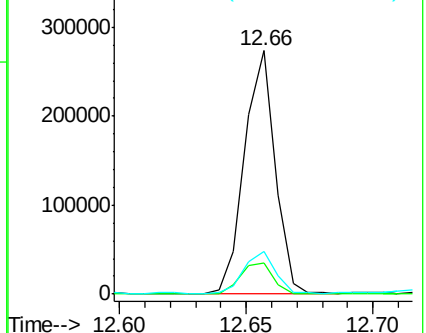
203 17.6 0.0 38.1

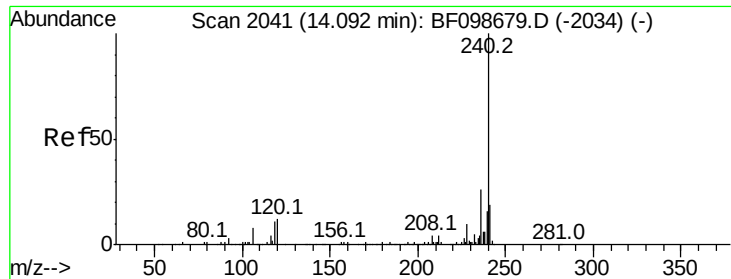


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

Instrument :

BNA_F

ClientSampleId :

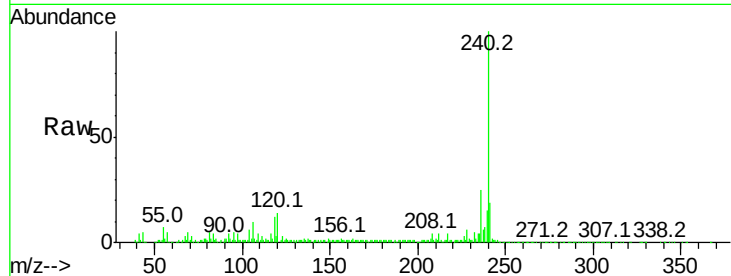
Tot Ion:240 Resp: 269141

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

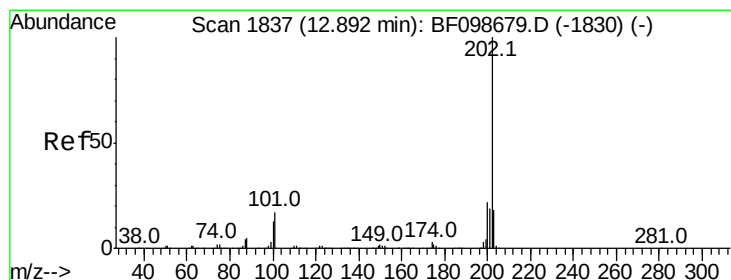
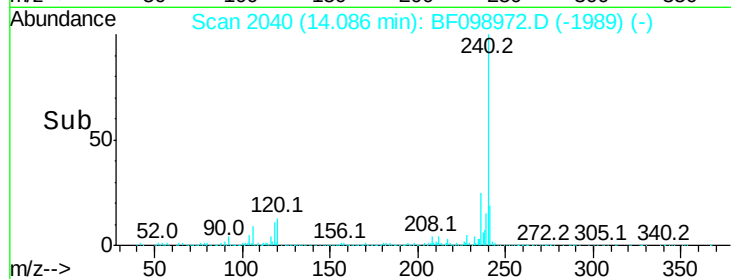
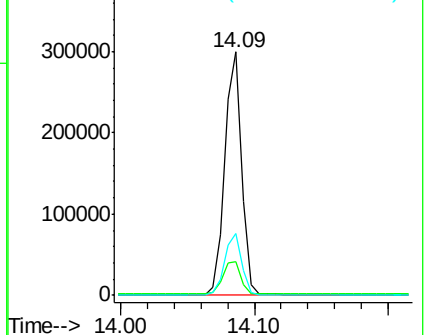
236 25.3 20.7 31.1



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: 10.546 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

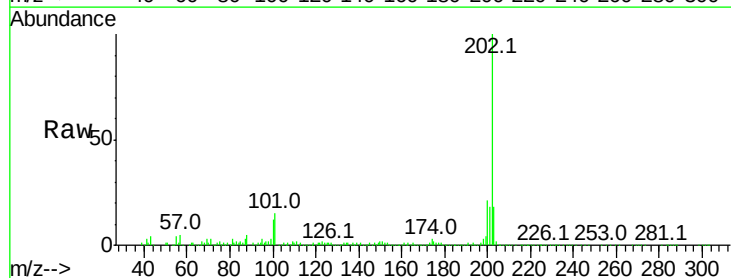
Tgt Ion:202 Resp: 216435

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

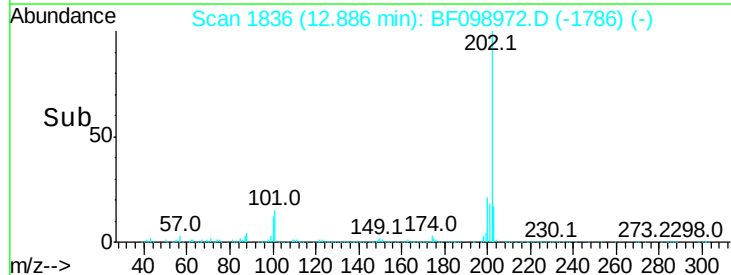
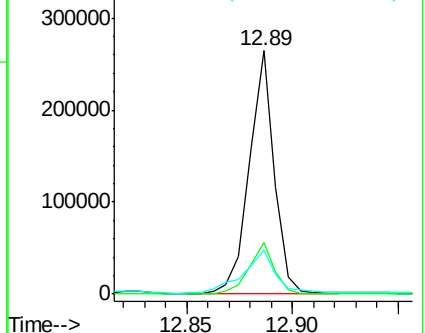
203 17.9 14.3 21.5

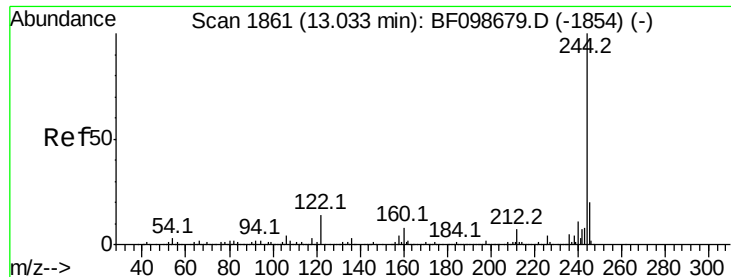


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 29.006 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

Instrument :

BNA_F

ClientSampled :

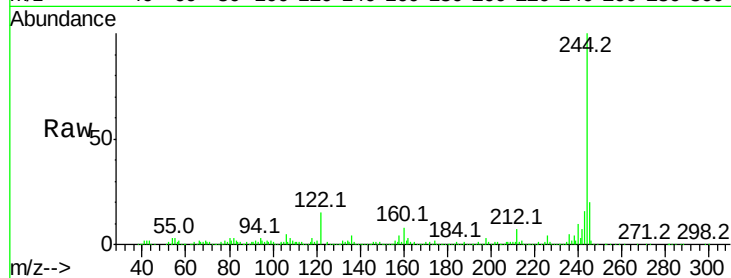
Tot Ion:244 Resp: 343275

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

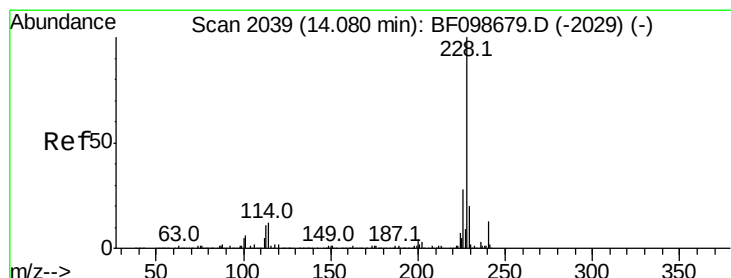
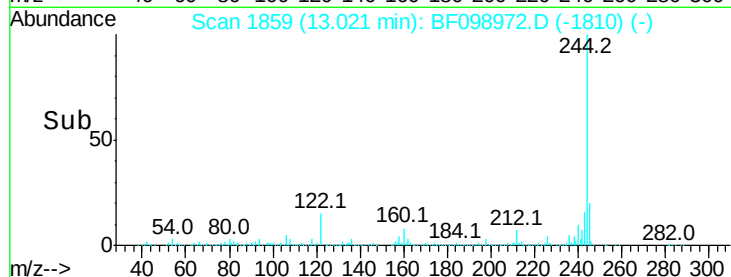
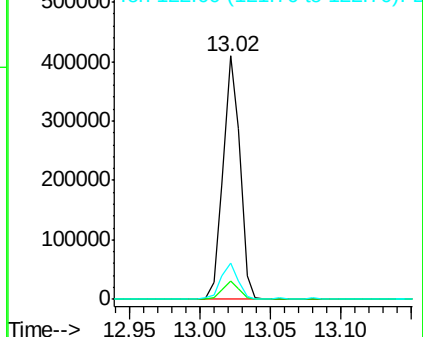
122 15.1 11.0 16.4



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: 6.501 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

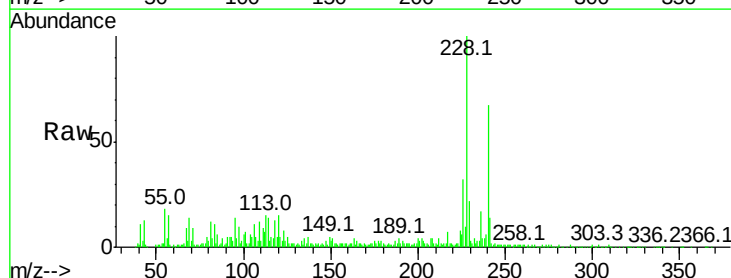
Tgt Ion:228 Resp: 105951

Ion Ratio Lower Upper

228 100

226 32.3 22.6 33.8

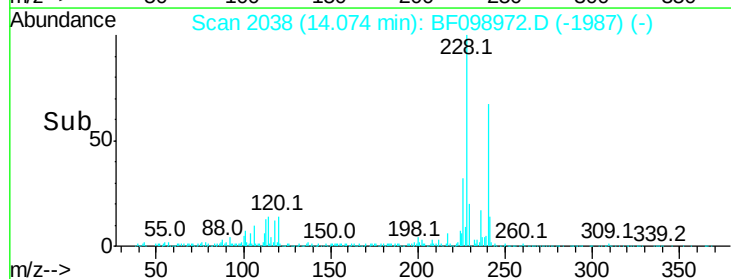
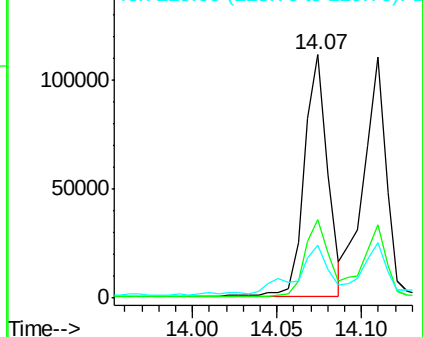
229 21.7 15.8 23.6

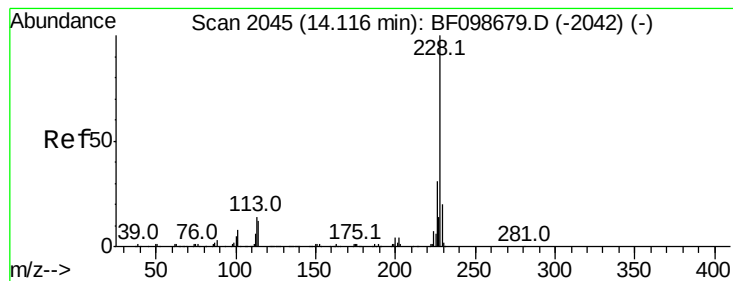


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.099 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

Instrument :

BNA_F

ClientSampled :

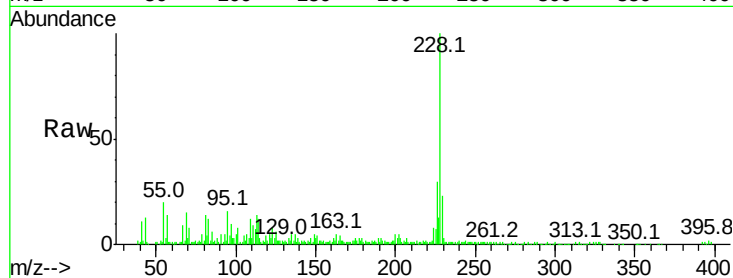
Tot Ion:228 Resp: 94636

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

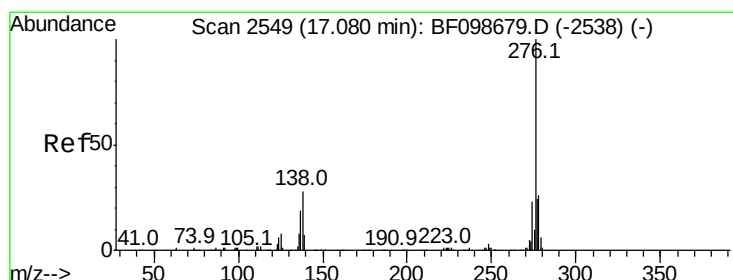
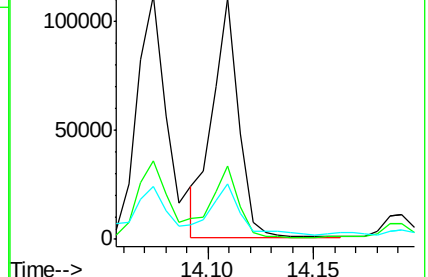
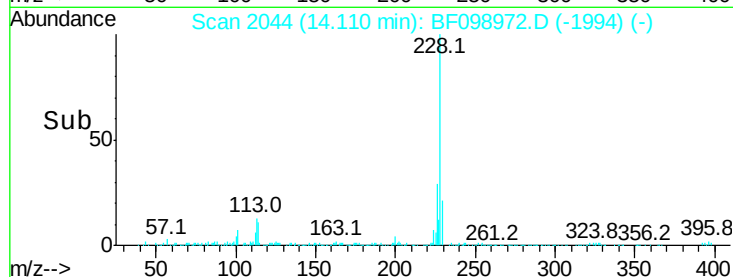
229 22.9 16.2 24.4



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: 3.269 ng

RT: 17.10 min Scan# 2552

Delta R.T. 0.01 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

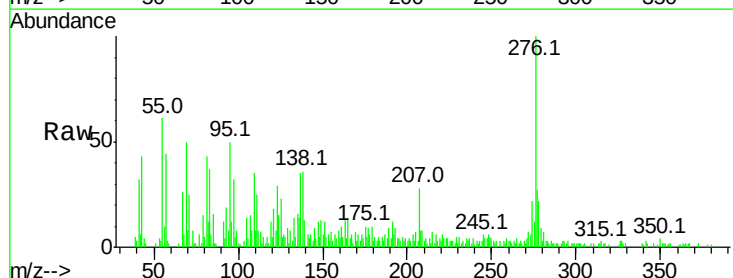
Tgt Ion:276 Resp: 40572

Ion Ratio Lower Upper

276 100

138 31.1 25.0 37.6

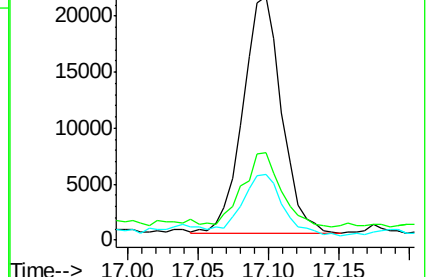
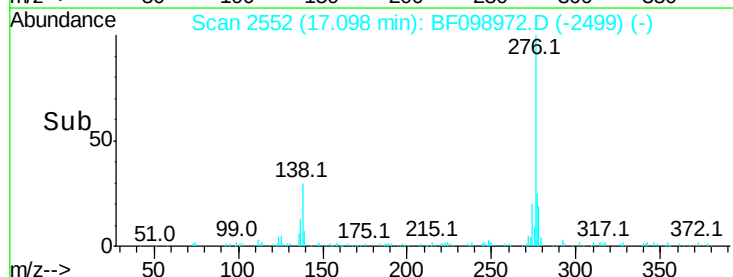
277 27.5 20.1 30.1

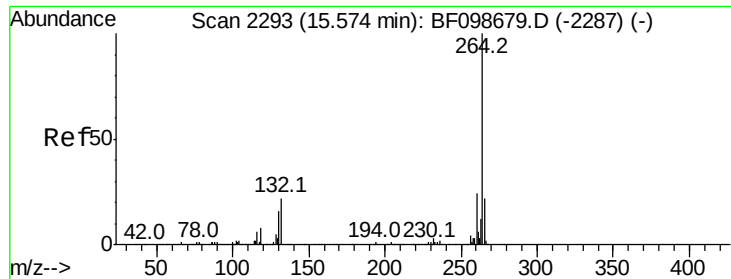


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

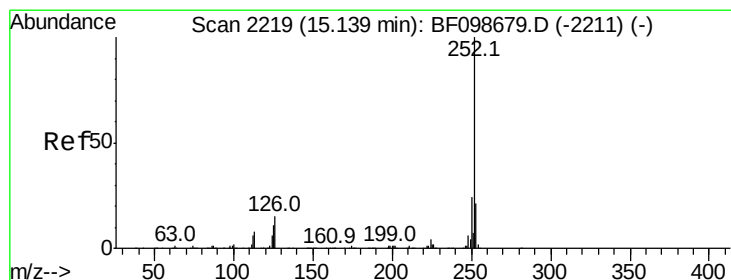
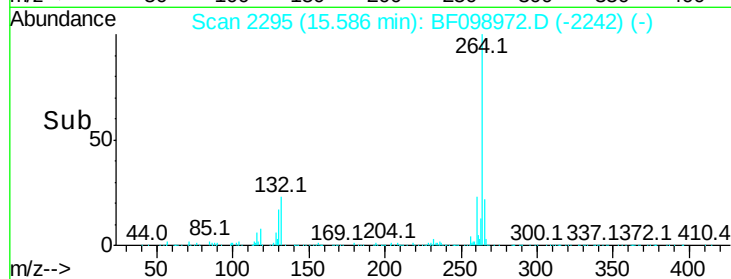
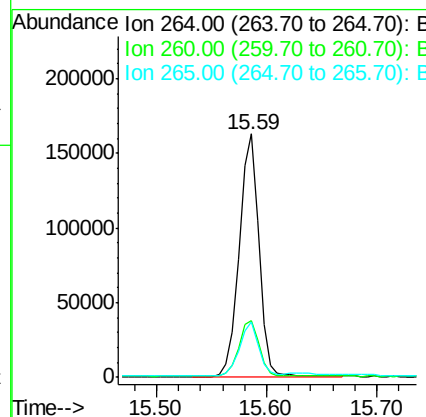
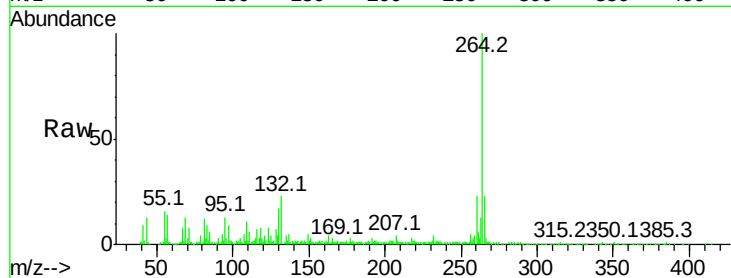




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF098972.D
Acq: 30 Sep 2017 19:39

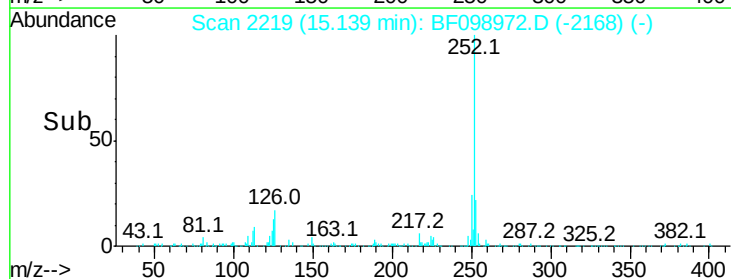
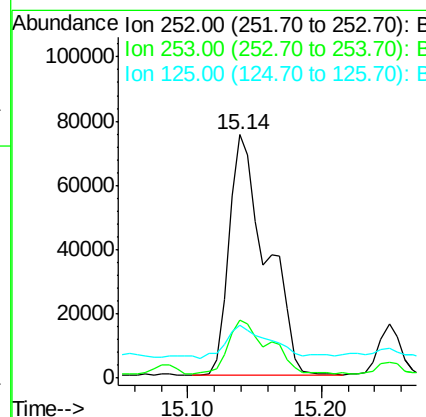
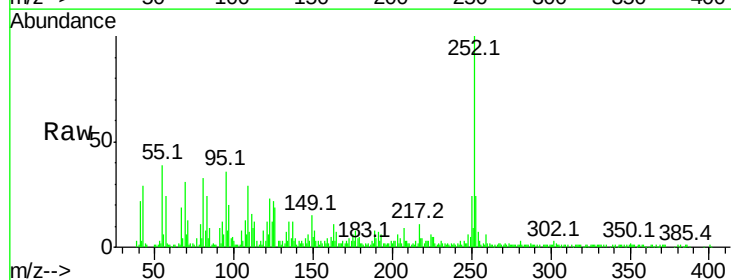
Instrument :
BNA_F
ClientSampleId :

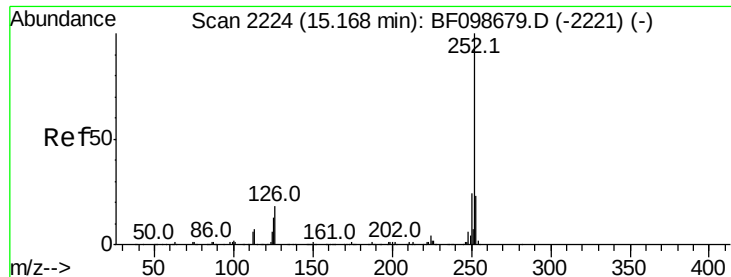
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 11.656 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098972.D
Acq: 30 Sep 2017 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	21.7	9.0	13.6

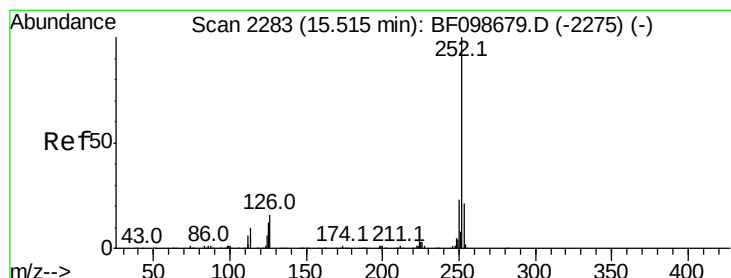
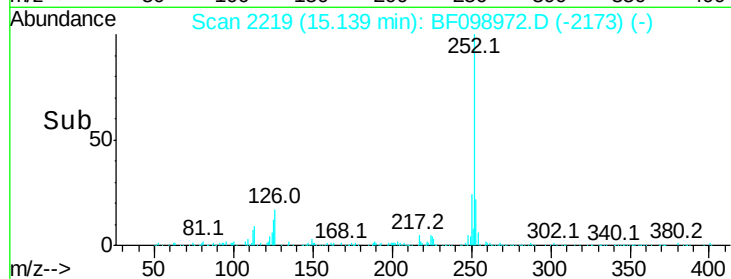
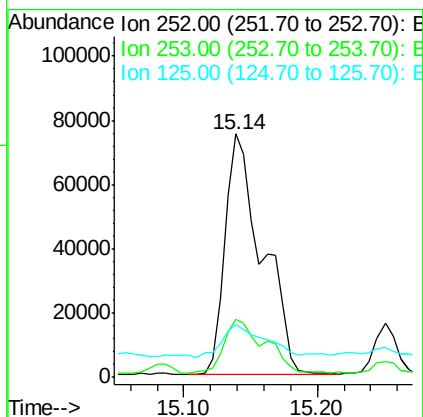
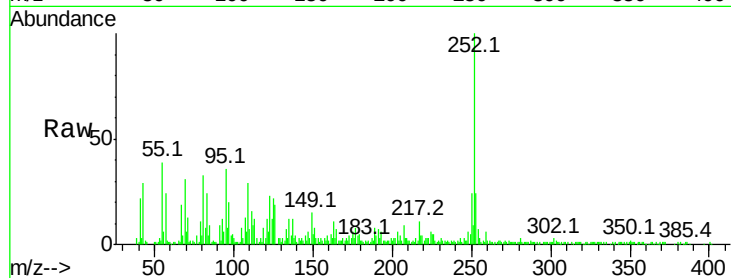




#88
Benzo(k)fluoranthene
Concen: 11.801 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF098972.D
Acq: 30 Sep 2017 19:39

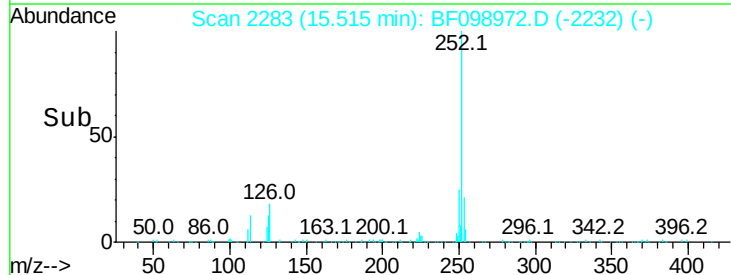
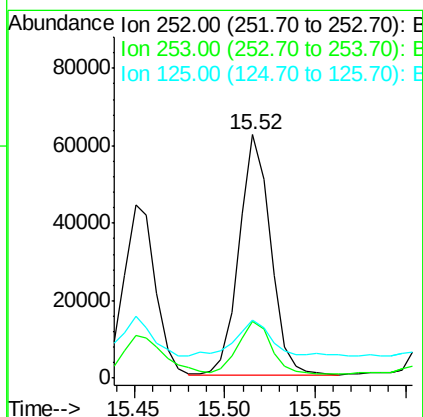
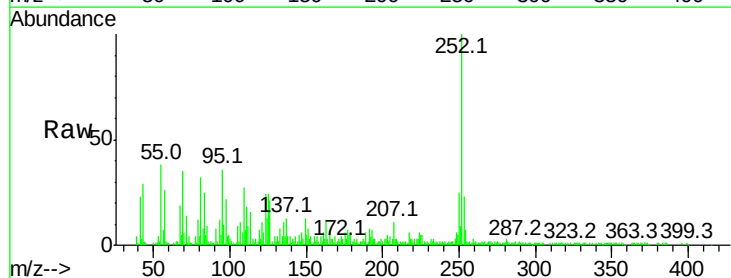
Instrument :
BNA_F
ClientSampleId :

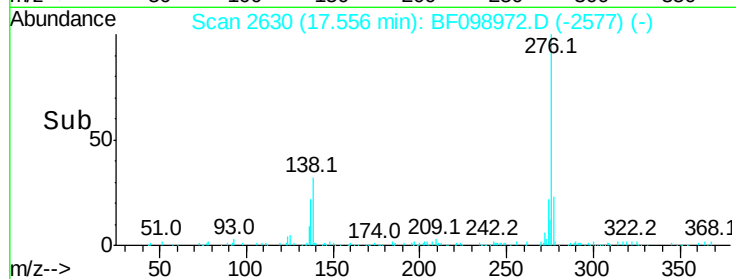
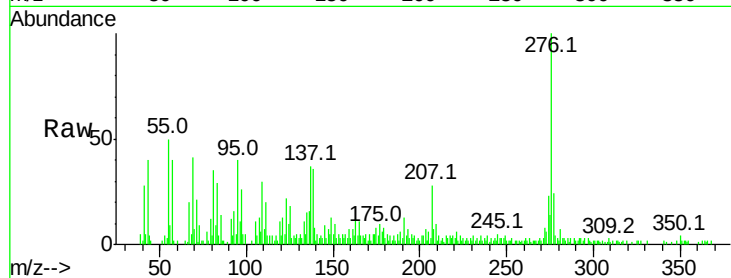
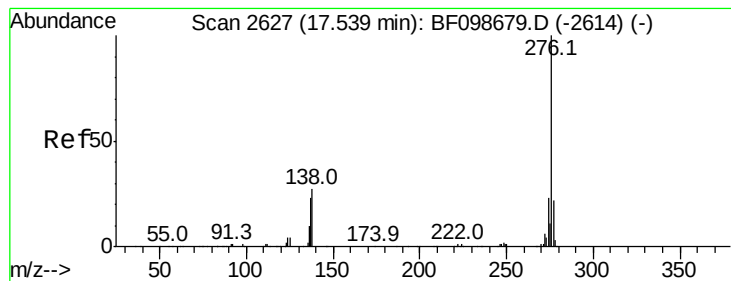
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	21.7	10.2	15.2



#89
Benzo(a)pyrene
Concen: 6.528 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098972.D
Acq: 30 Sep 2017 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	24.0	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.791 ng

RT: 17.56 min Scan# 2630

Delta R.T. 0.01 min

Lab File: BF098972.D

Acq: 30 Sep 2017 19:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 43642

Ion Ratio Lower Upper

276 100

277 24.3 17.9 26.9

138 36.4 21.8 32.8#

