

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098872.D
 Acq On : 27 Sep 2017 19:38
 Operator : SJ/JU
 Sample : I5404-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:52:47 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

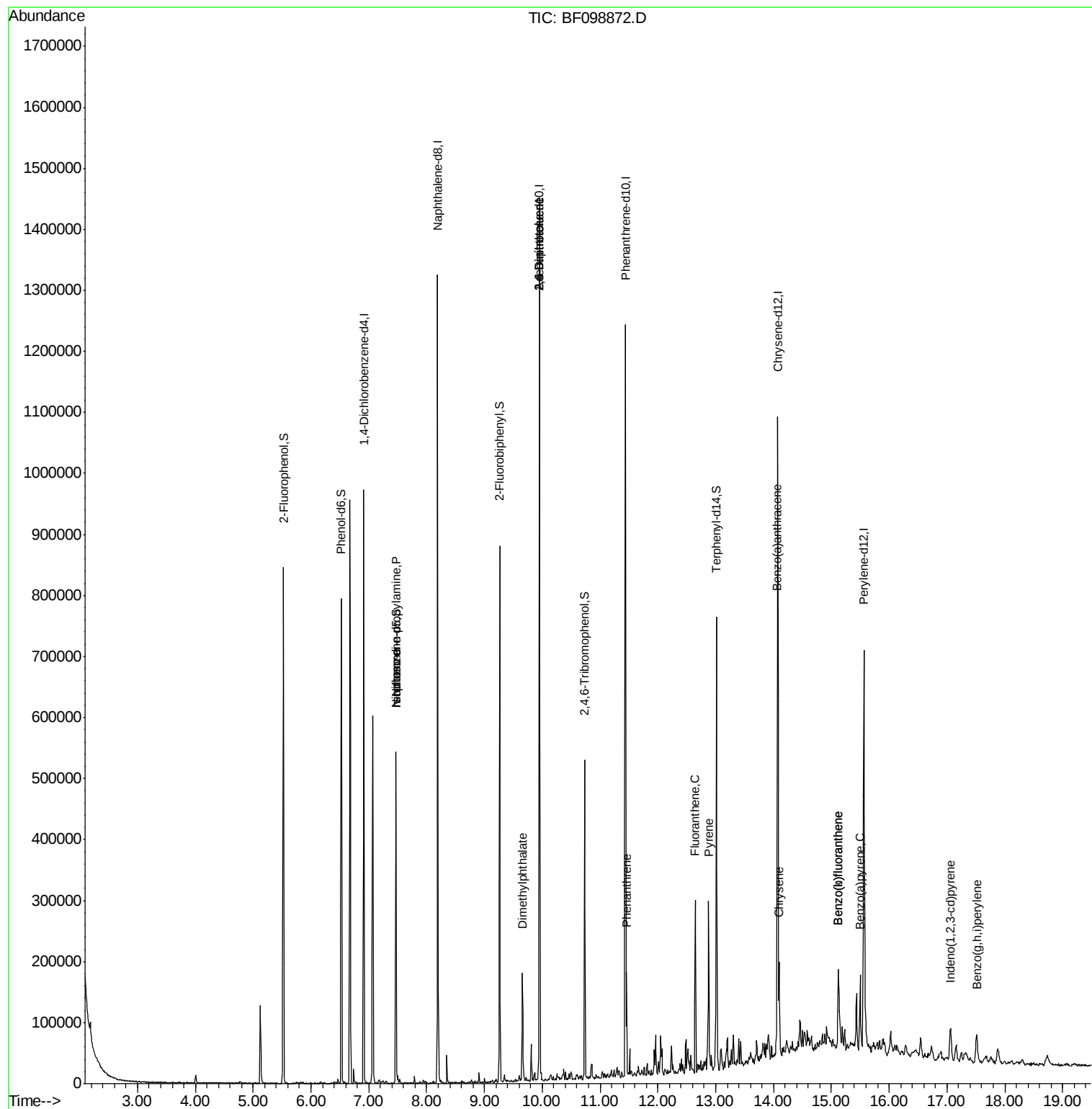
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	139071	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	580736	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	258722	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	440646	20.00	ng	0.00
75) Chrysene-d12	14.07	240	288066	20.00	ng	-0.01
86) Perylene-d12	15.57	264	288639	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	214429	24.54	ng	-0.02
7) Phenol-d6	6.53	99	264355	24.53	ng	-0.02
23) Nitrobenzene-d5	7.47	82	151902	16.77	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	47230	22.31	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	254665	16.43	ng	-0.02
78) Terphenyl-d14	13.02	244	186518	14.73	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	19245	2.80	ng	# 79
25) Isophorone	7.47	82	151941	8.12	ng	# 64
49) Dimethylphthalate	9.66	163	60443	3.10	ng	100
50) 2,6-Dinitrotoluene	9.95	165	32690	7.69	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	32690	5.93	ng	# 23
70) Phenanthrene	11.46	178	56709	2.40	ng	98
74) Fluoranthene	12.65	202	98797	4.14	ng	97
77) Pyrene	12.87	202	111827	5.09	ng	99
80) Benzo(a)anthracene	14.06	228	52991	3.04	ng	96
82) Chrysene	14.10	228	49036	2.95	ng	97
85) Indeno(1,2,3-cd)pyrene	17.06	276	35615	2.68	ng	97
87) Benzo(b)fluoranthene	15.12	252	86984	4.90	ng	# 96
88) Benzo(k)fluoranthene	15.12	252	86984	4.96	ng	96
89) Benzo(a)pyrene	15.50	252	55692	3.42	ng	# 96
91) Benzo(a,h,i)perylene	17.52	276	37394	2.90	ng	94

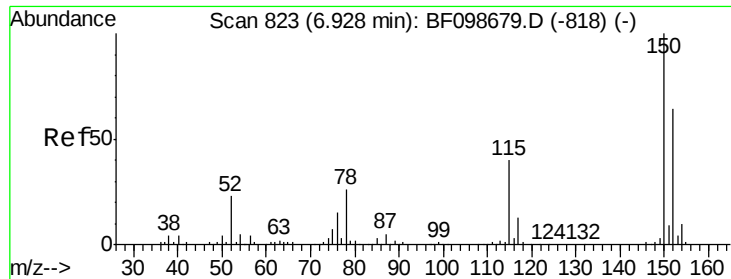
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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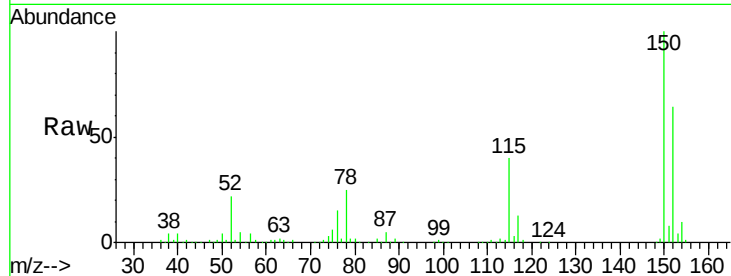


#1

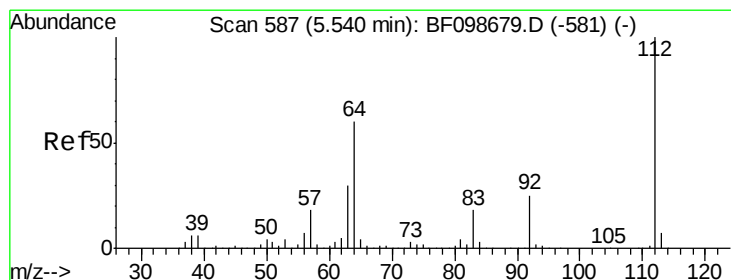
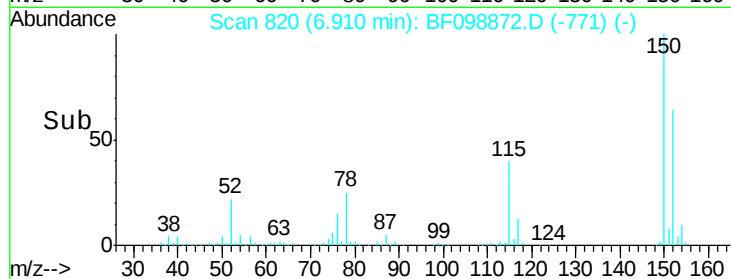
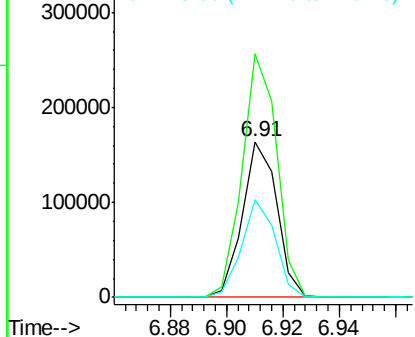
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139071
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 62.5 50.1 75.1



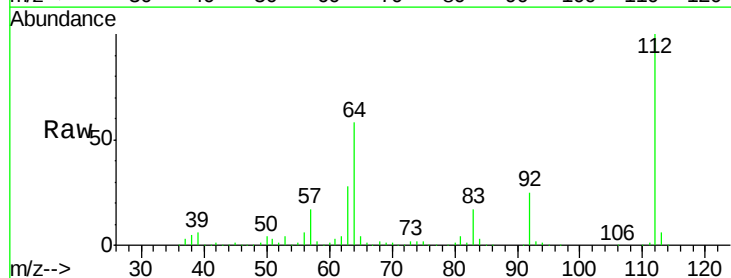
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



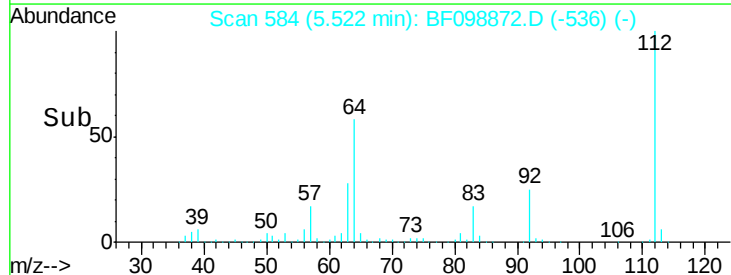
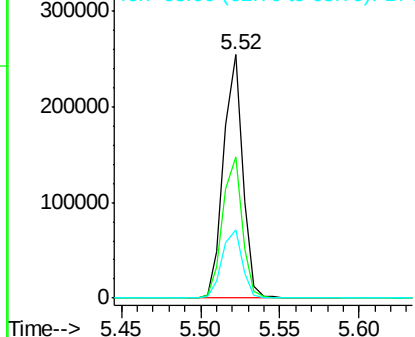
#5

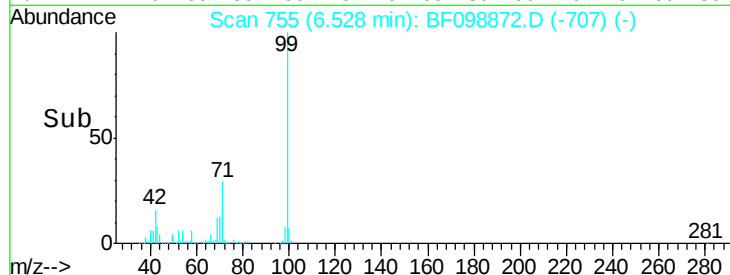
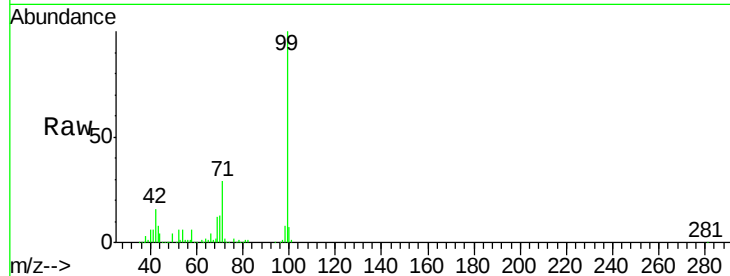
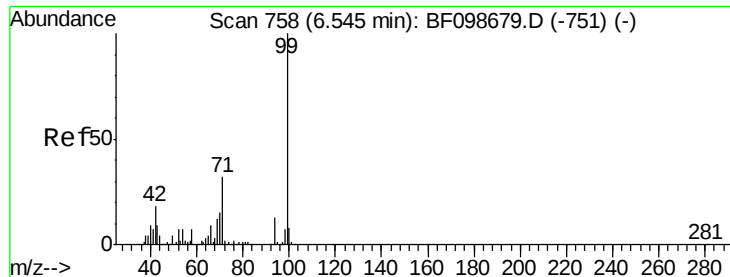
2-Fluorophenol
Concen: 24.54 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:112 Resp: 214429
Ion Ratio Lower Upper
112 100
64 57.8 47.9 71.9
63 28.2 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: 24.53 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

Instrument :

BNA_F

ClientSampleId :

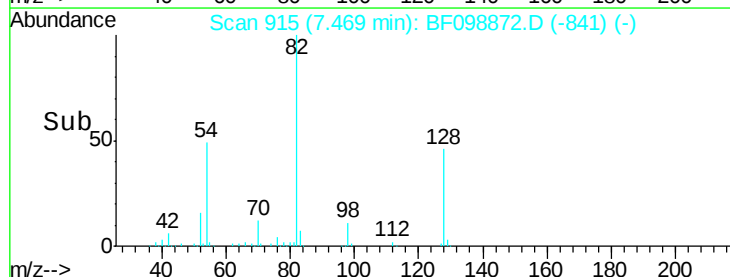
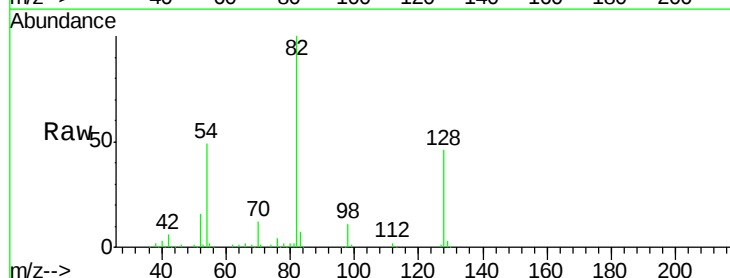
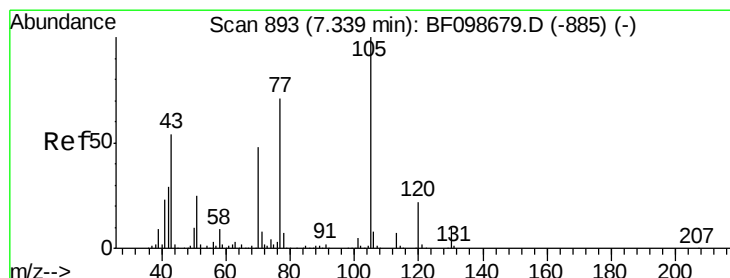
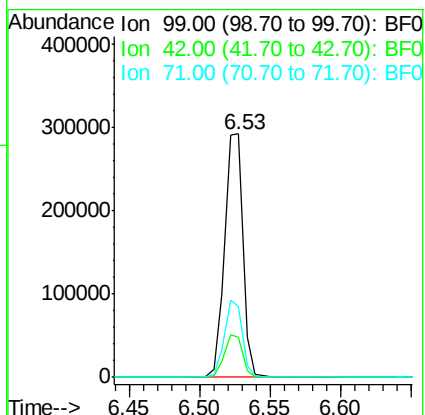
Tot Ion: 99 Resp: 264355

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 29.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.80 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.14 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

Tgt Ion: 70 Resp: 19245

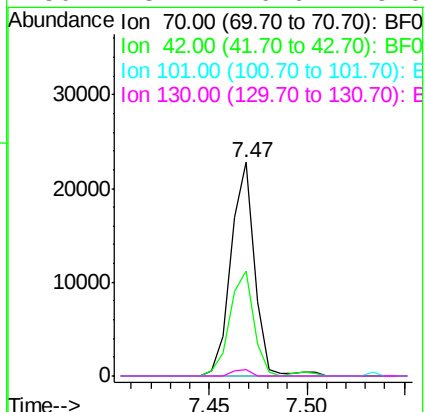
Ion Ratio Lower Upper

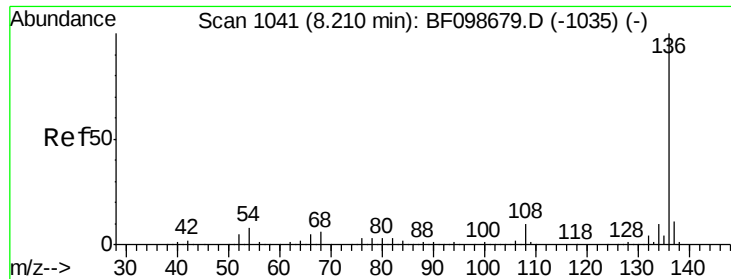
70 100

42 48.9 47.5 71.3

101 0.0 7.4 11.2#

130 3.2 16.6 25.0#

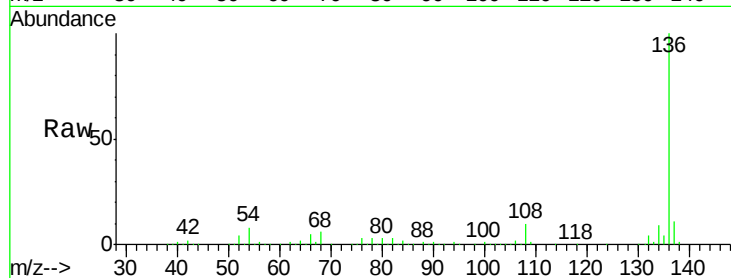




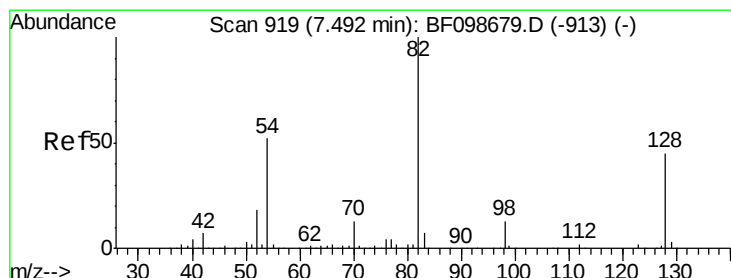
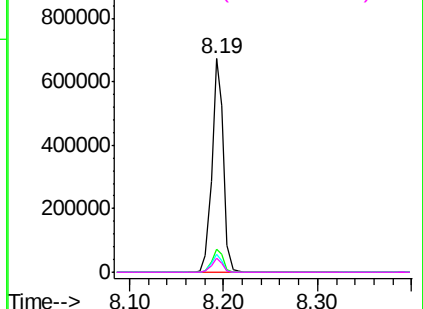
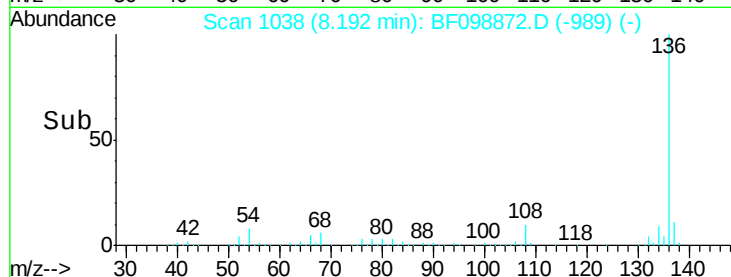
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	580736
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	8.3	6.6 9.8
68	6.4	5.0 7.4

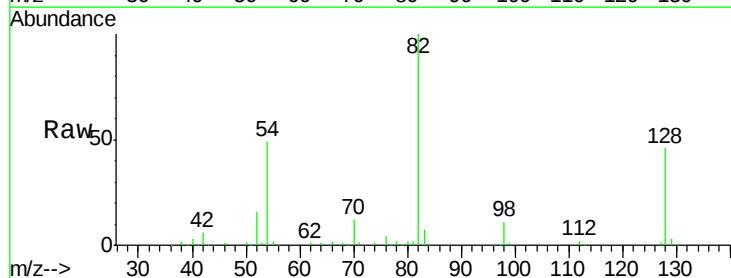


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

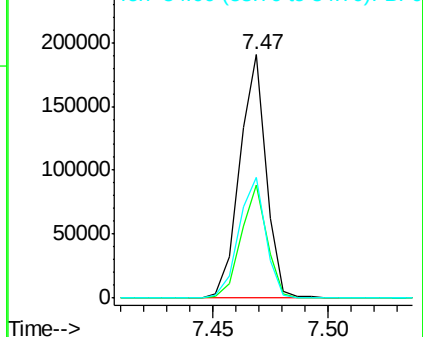
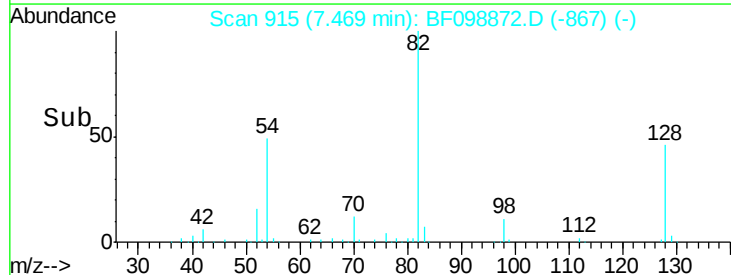


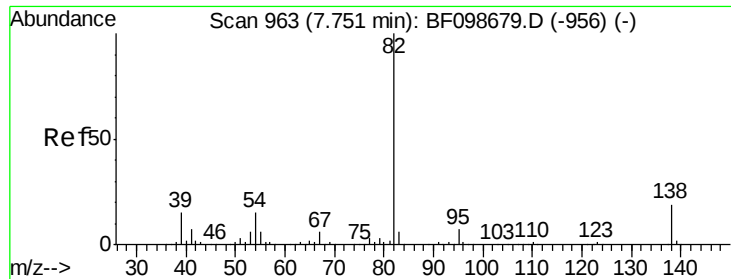
#23
Nitrobenzene-d5
Concen: 16.77 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion: 82	Resp:	151902
Ion Ratio	Lower	Upper
82	100	
128	46.4	36.1 54.1
54	49.4	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: 8.12 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.28 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

Instrument :

BNA_F

ClientSampleId :

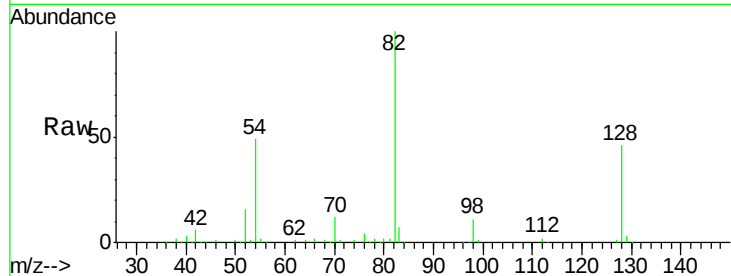
Tot Ion: 82 Resp: 151941

Ion Ratio Lower Upper

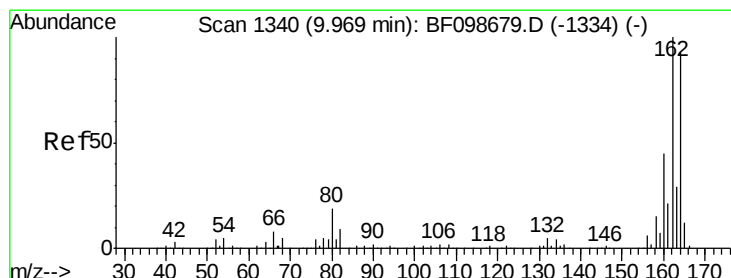
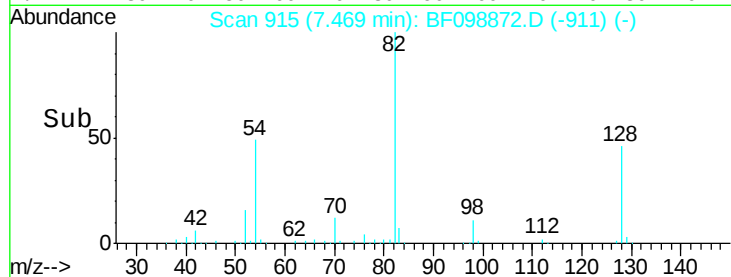
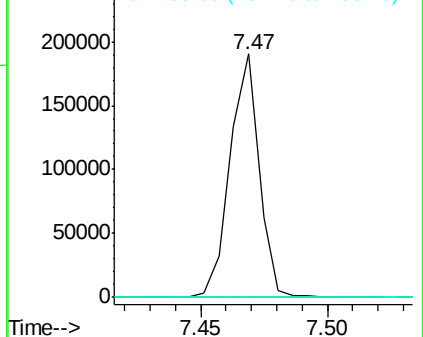
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

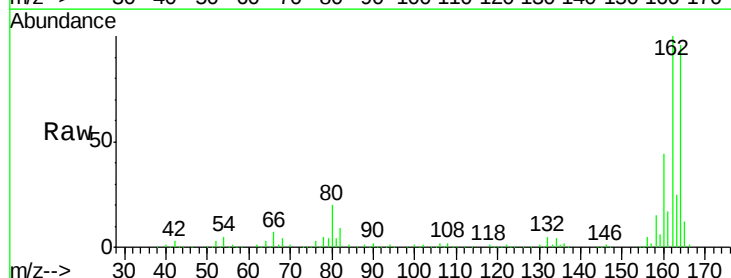
Tgt Ion: 164 Resp: 258722

Ion Ratio Lower Upper

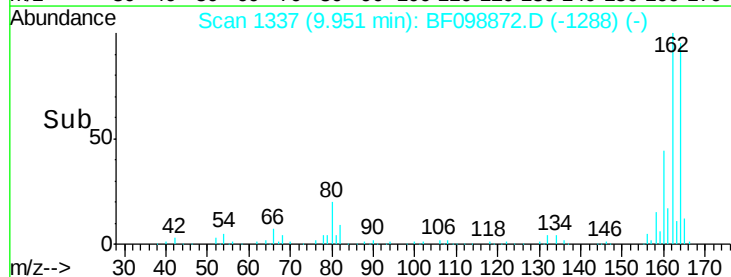
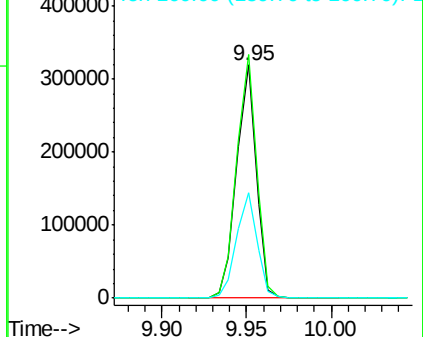
164 100

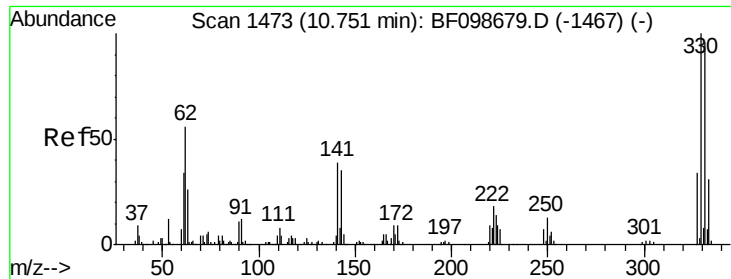
162 104.5 86.1 129.1

160 45.5 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

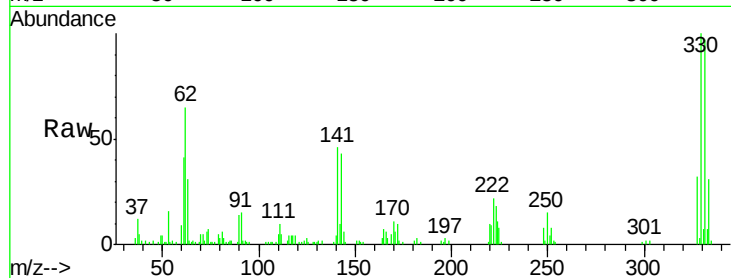




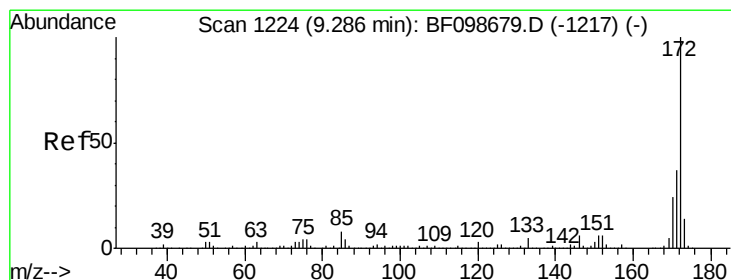
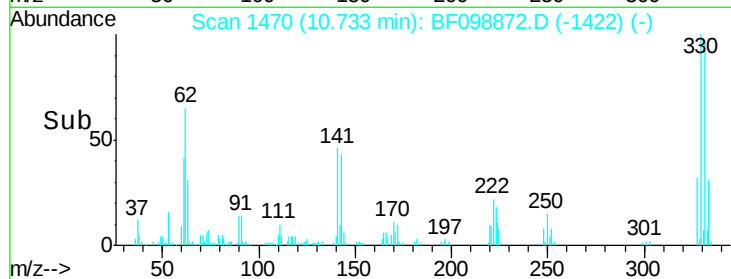
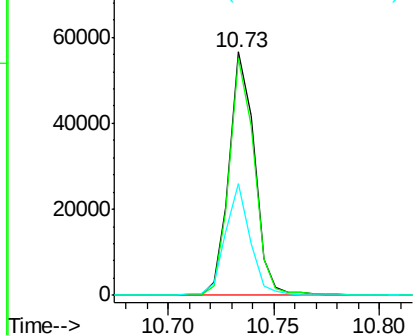
#41
 2,4,6-Tribromophenol
 Concen: 22.31 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098872.D
 Acq: 27 Sep 2017 19:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	44.7	29.9	44.9

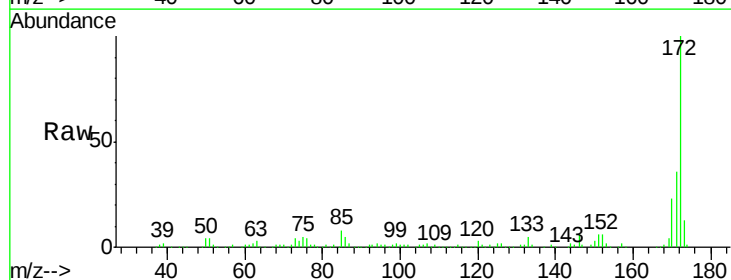


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

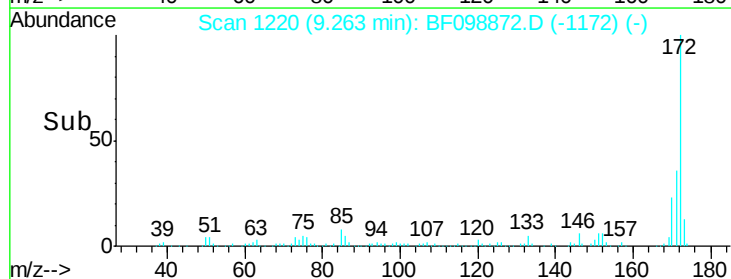
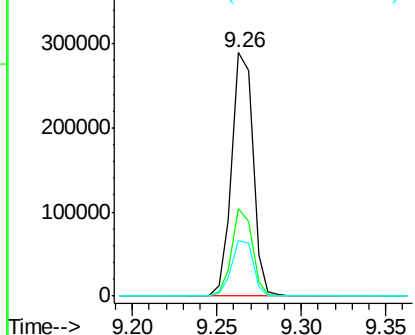


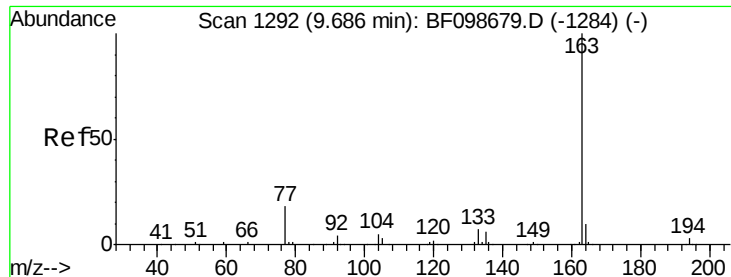
#44
 2-Fluorobiphenyl
 Concen: 16.43 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098872.D
 Acq: 27 Sep 2017 19:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	22.7	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

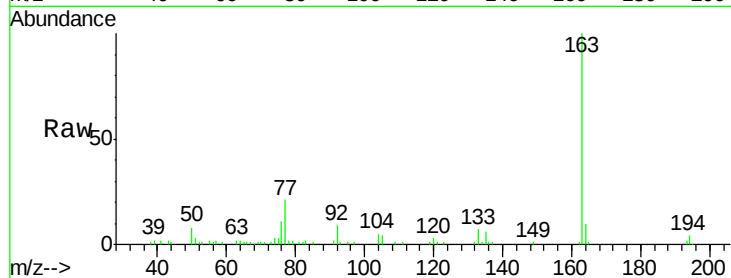




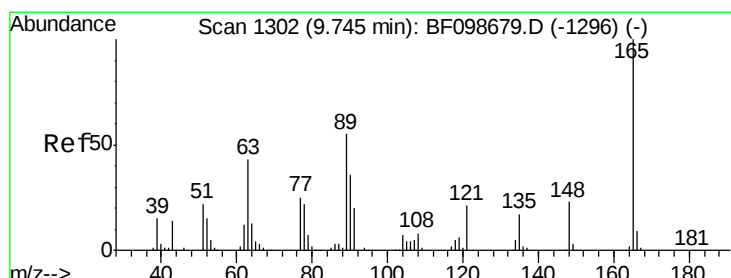
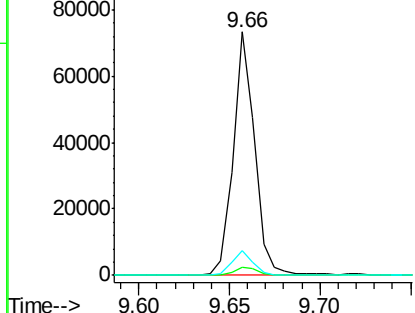
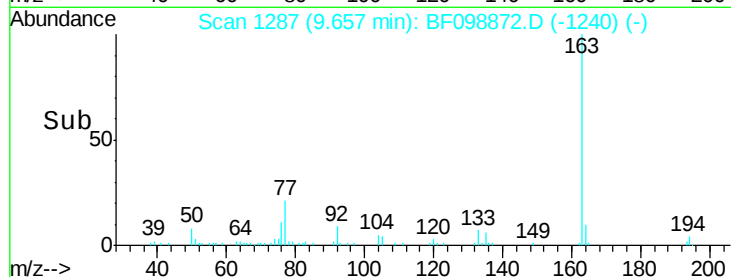
#49
Dimethylphthalate
Concen: 3.10 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 60443
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.1 8.2 12.2

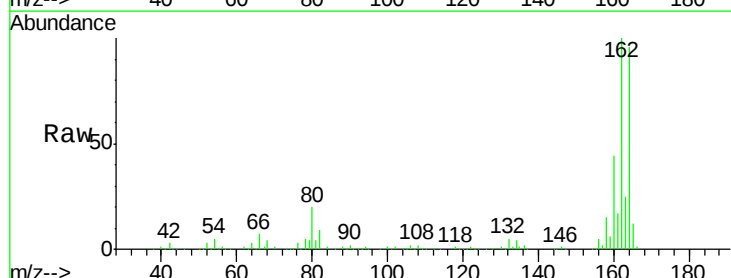


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

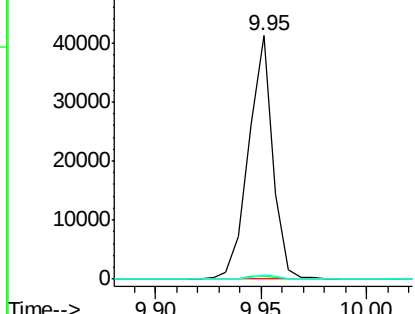
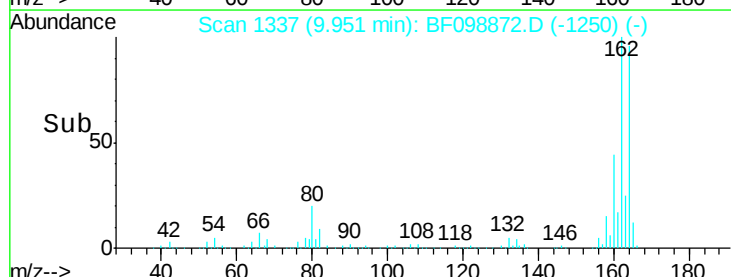


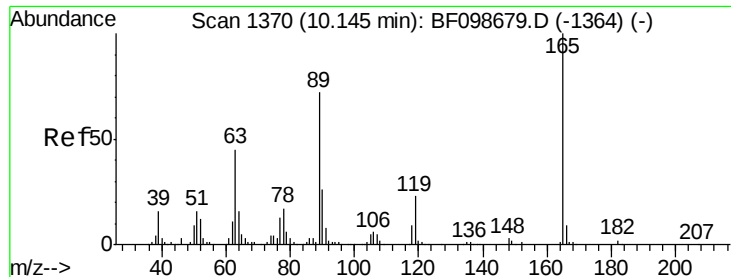
#50
2,6-Dinitrotoluene
Concen: 7.69 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.21 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:165 Resp: 32690
Ion Ratio Lower Upper
165 100
63 1.0 44.7 67.1#
89 1.7 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.93 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 32690

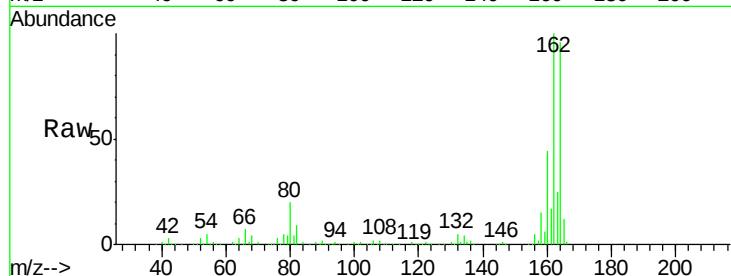
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

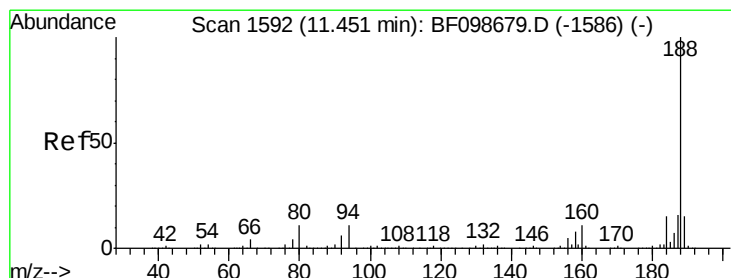
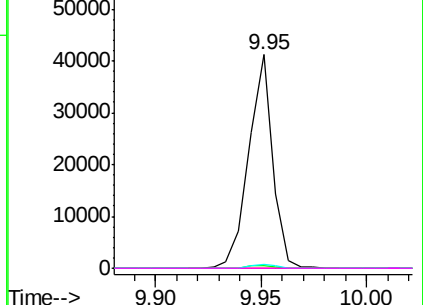
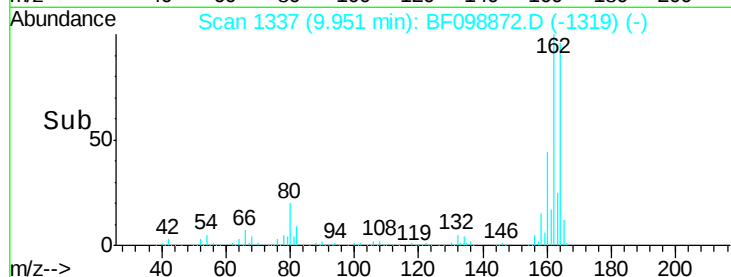


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

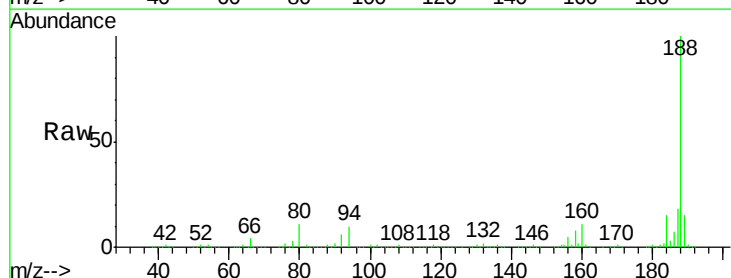
Tgt Ion:188 Resp: 440646

Ion Ratio Lower Upper

188 100

94 9.8 8.5 12.7

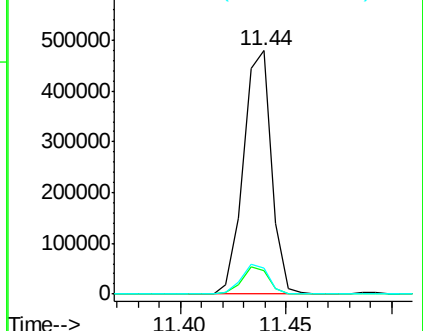
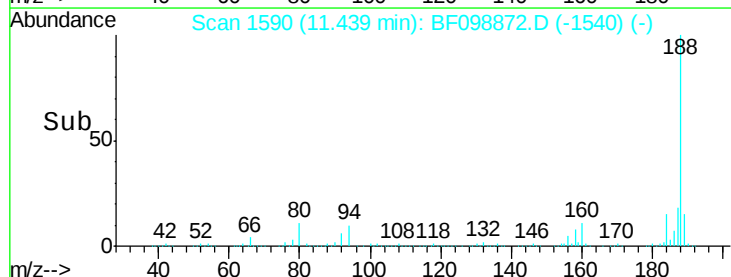
80 10.6 9.2 13.8

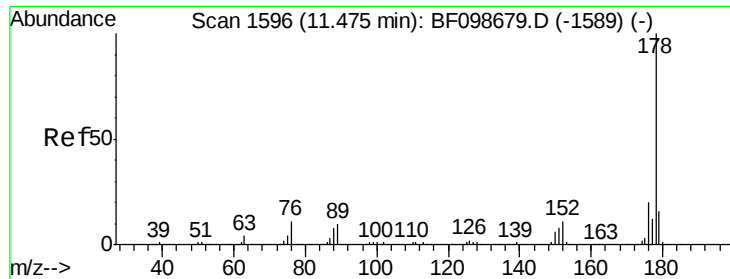


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.40 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.02 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

Instrument :

BNA_F

ClientSampleId :

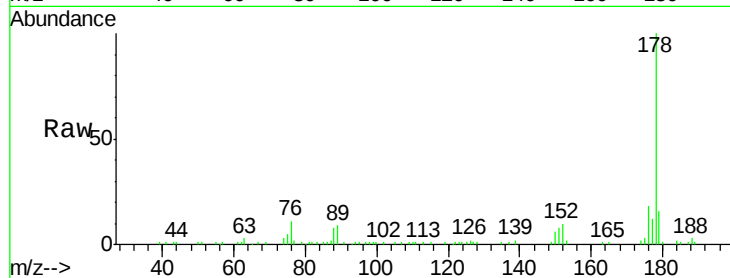
Tot Ion:178 Resp: 56709

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

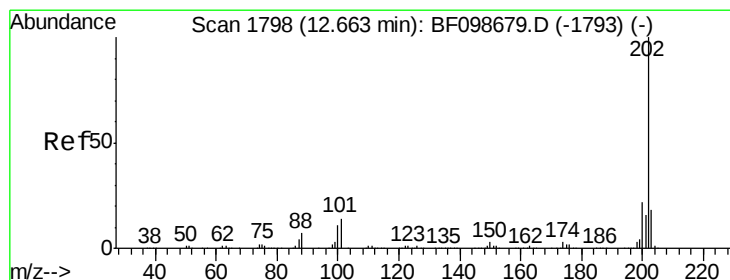
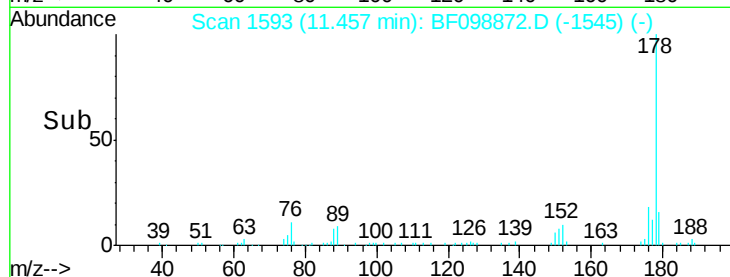
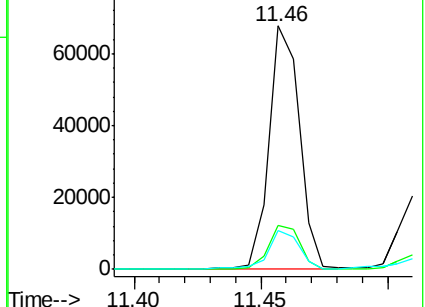
179 15.8 13.0 19.6



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: 4.14 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

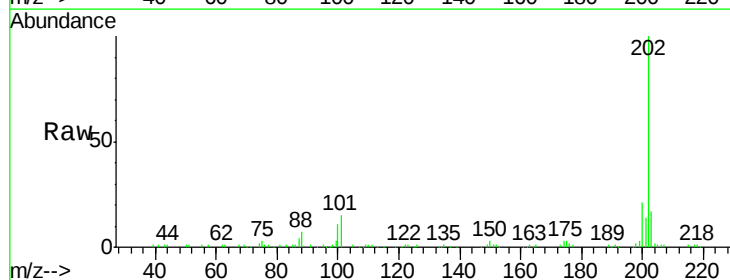
Tgt Ion:202 Resp: 98797

Ion Ratio Lower Upper

202 100

101 14.7 0.0 34.1

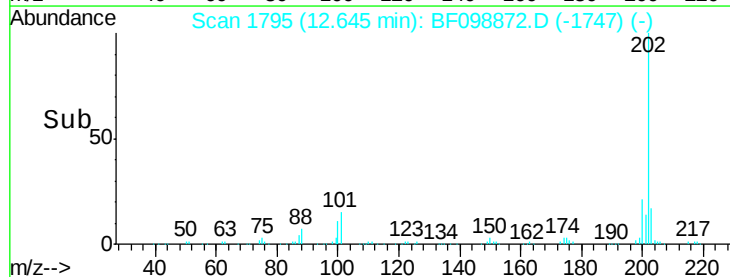
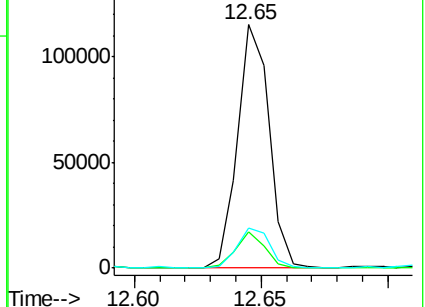
203 16.5 0.0 38.1

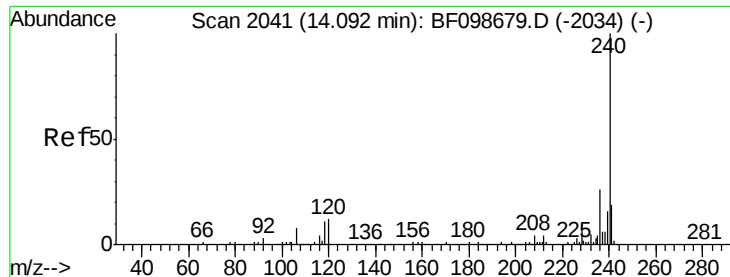


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2038

Delta R.T. -0.01 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

Instrument :

BNA_F

ClientSampleId :

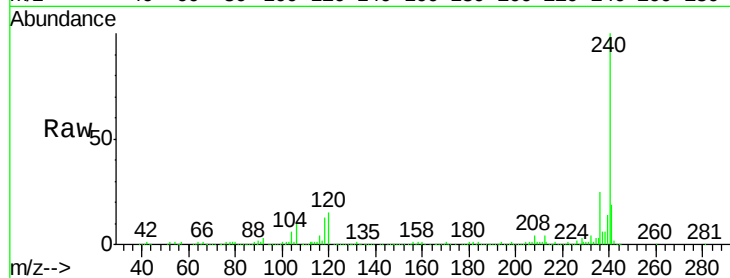
Tot Ion:240 Resp: 288066

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

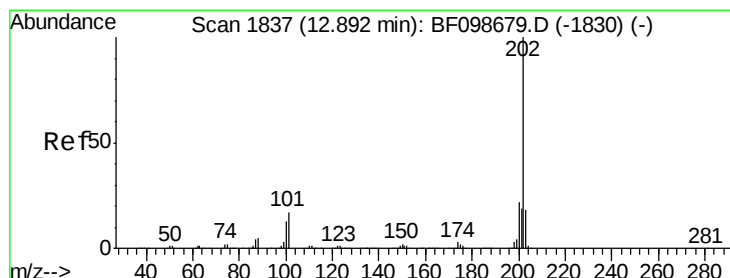
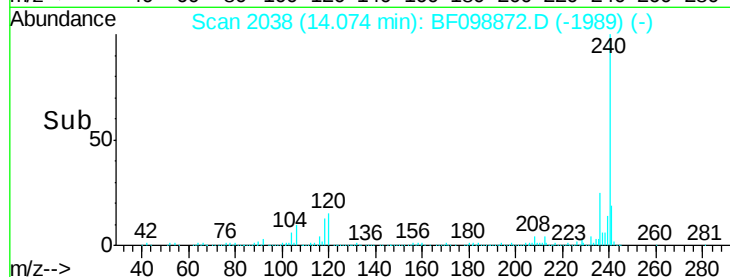
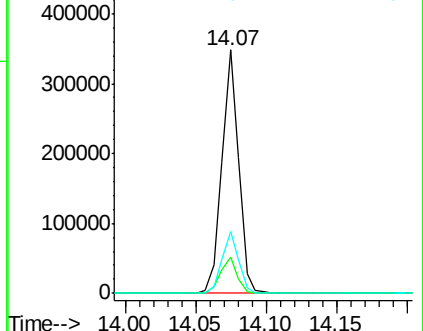
236 25.4 20.7 31.1



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: 5.09 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

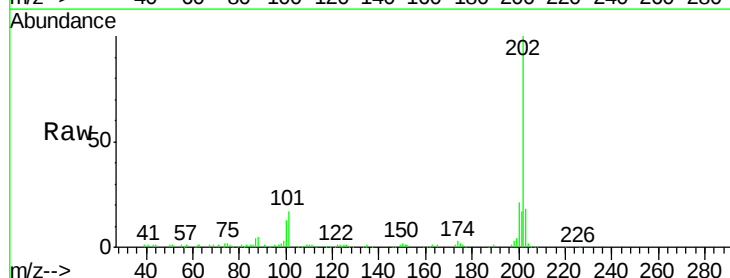
Tgt Ion:202 Resp: 111827

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

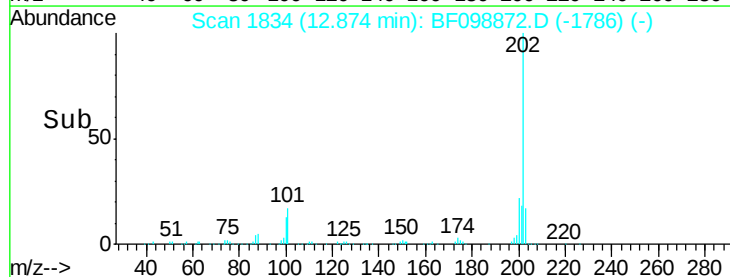
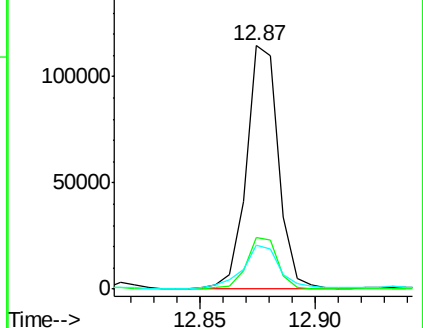
203 18.1 14.3 21.5

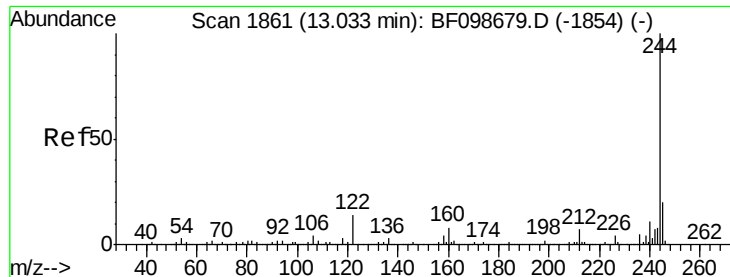


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 14.73 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

Instrument :

BNA_F

ClientSampleId :

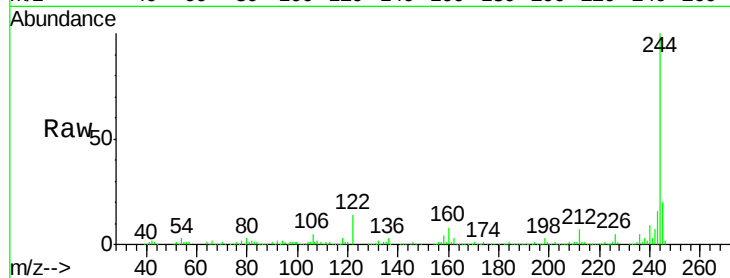
Tot Ion:244 Resp: 186518

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

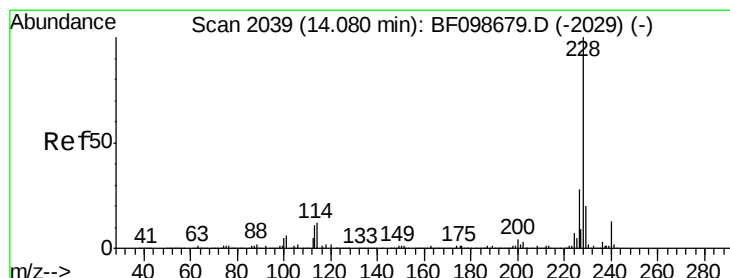
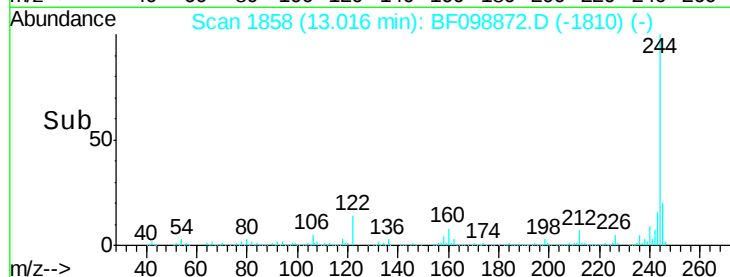
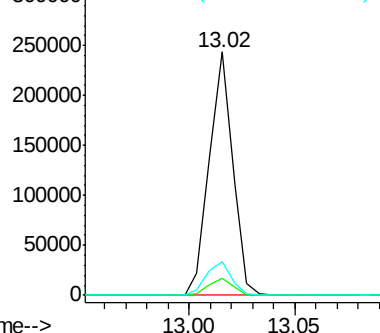
122 13.6 11.0 16.4



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: 3.04 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF098872.D

Acq: 27 Sep 2017 19:38

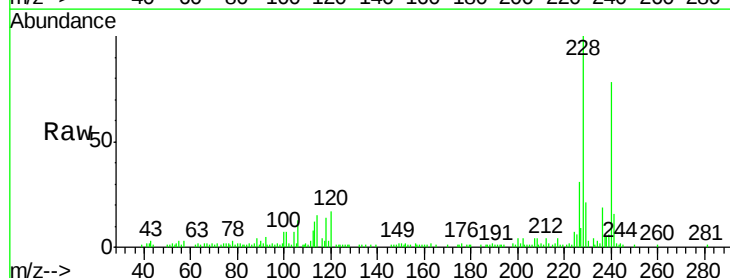
Tgt Ion:228 Resp: 52991

Ion Ratio Lower Upper

228 100

226 30.6 22.6 33.8

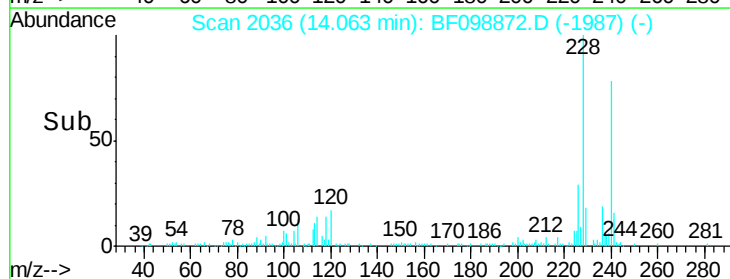
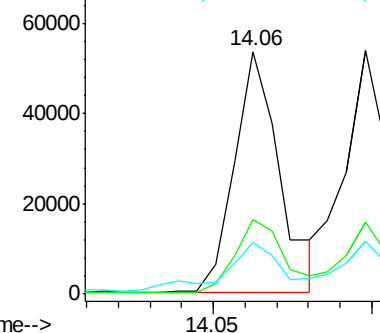
229 21.1 15.8 23.6

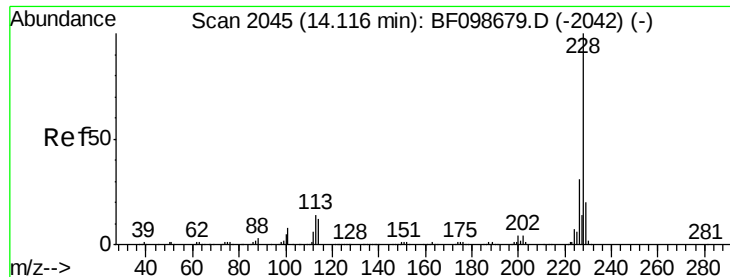


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

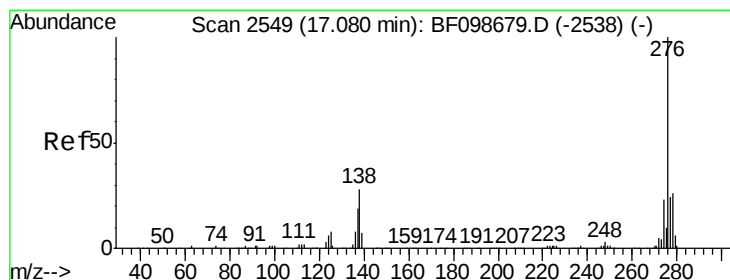
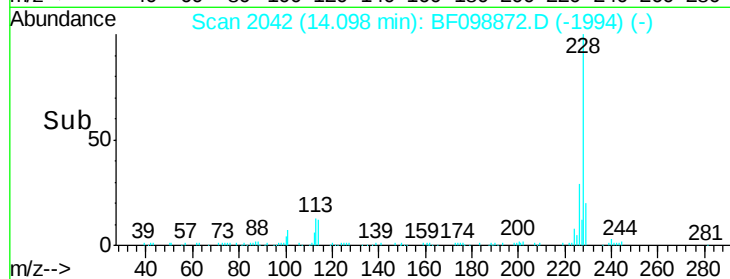
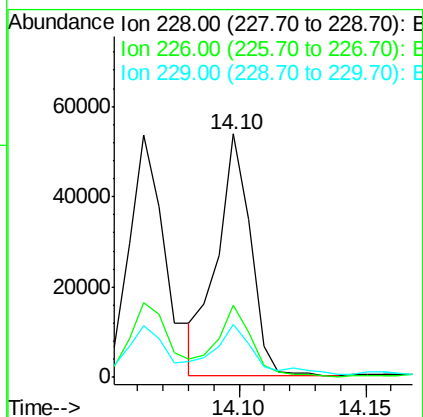
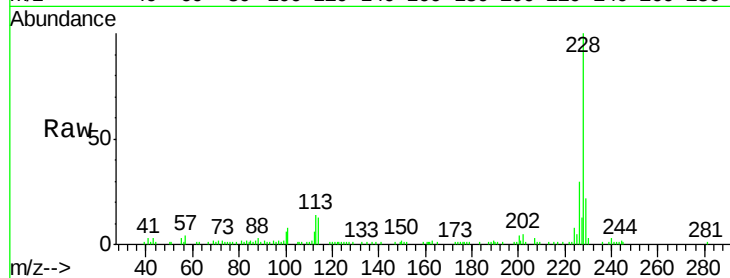




#82
 Chrysene
 Concen: 2.95 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.02 min
 Lab File: BF098872.D
 Acq: 27 Sep 2017 19:38

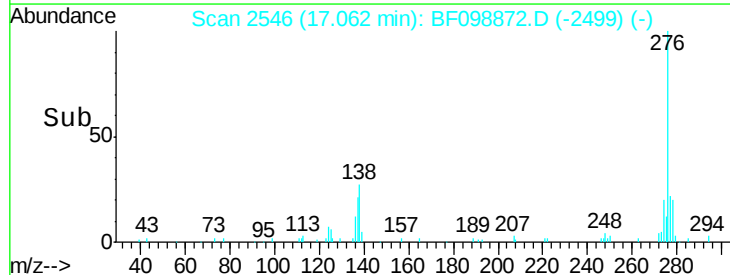
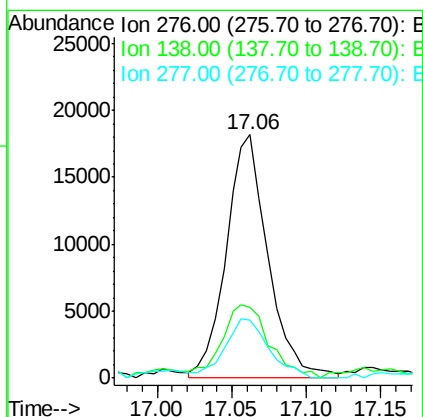
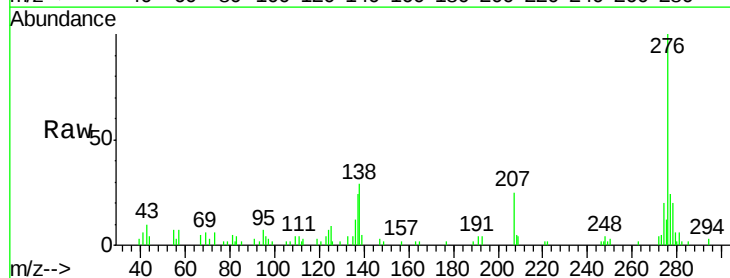
Instrument :
 BNA_F
 ClientSampleId :

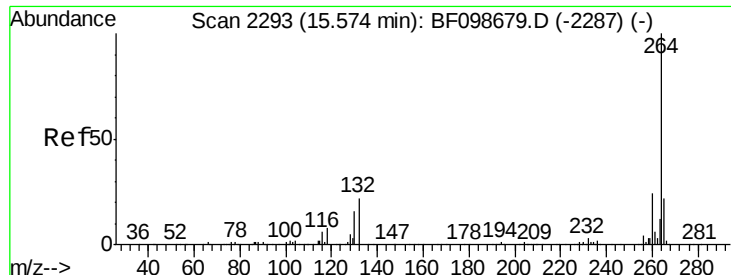
Tot Ion:228 Resp: 49036
 Ion Ratio Lower Upper
 228 100
 226 29.8 25.0 37.6
 229 21.9 16.2 24.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.68 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.02 min
 Lab File: BF098872.D
 Acq: 27 Sep 2017 19:38

Tgt Ion:276 Resp: 35615
 Ion Ratio Lower Upper
 276 100
 138 33.9 25.0 37.6
 277 25.3 20.1 30.1

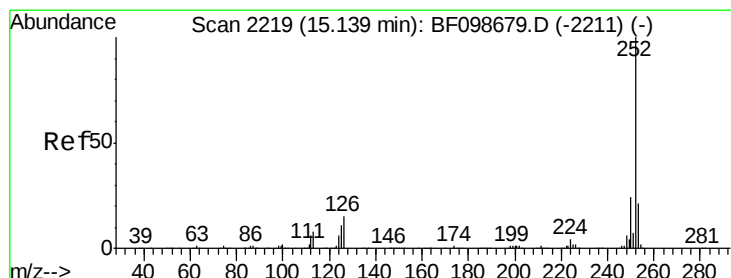
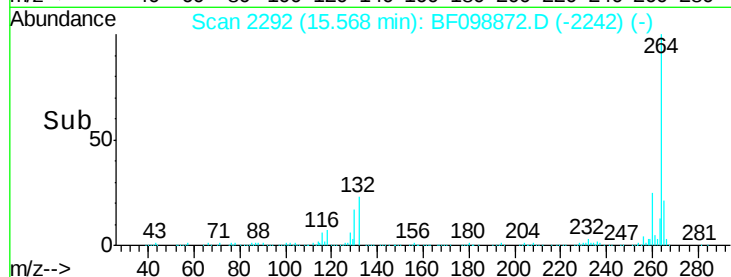
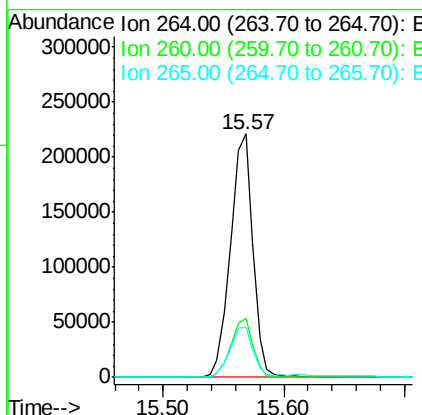
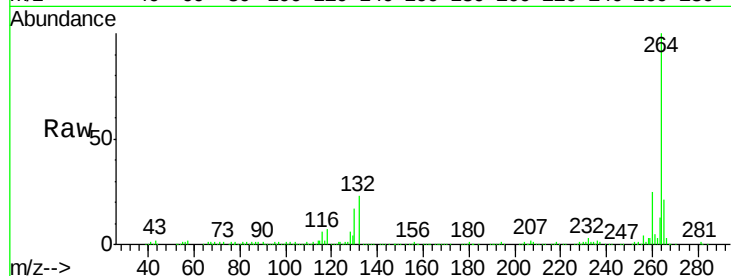




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

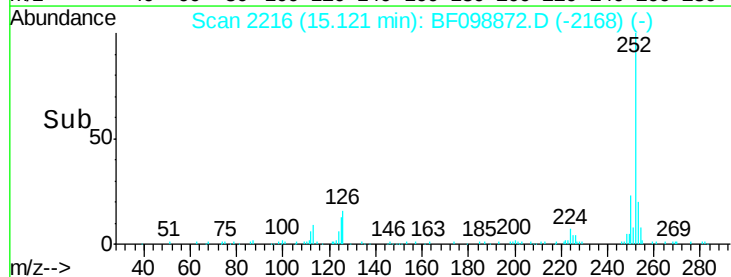
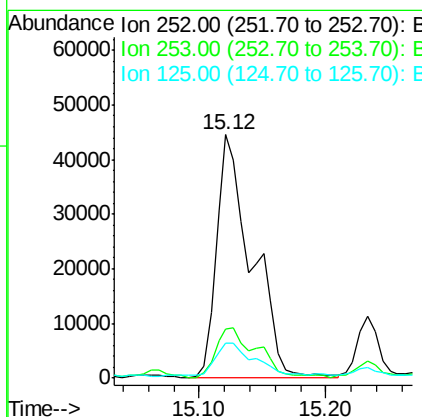
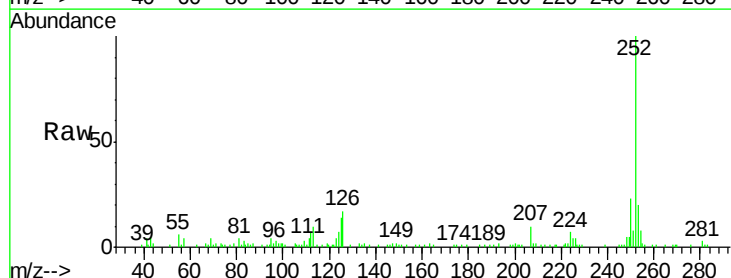
Instrument :
BNA_F
ClientSampleId :

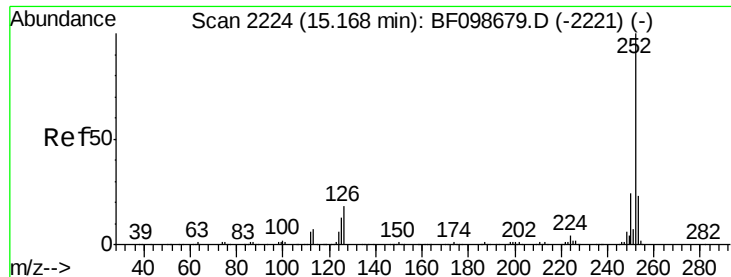
Tot Ion:264 Resp: 288639
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 20.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.90 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:252 Resp: 86984
Ion Ratio Lower Upper
252 100
253 20.3 17.0 25.6
125 14.2 9.0 13.6#

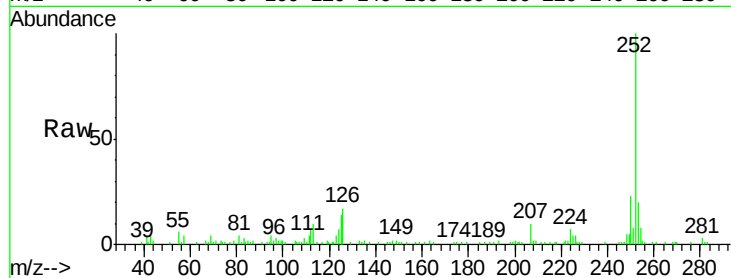




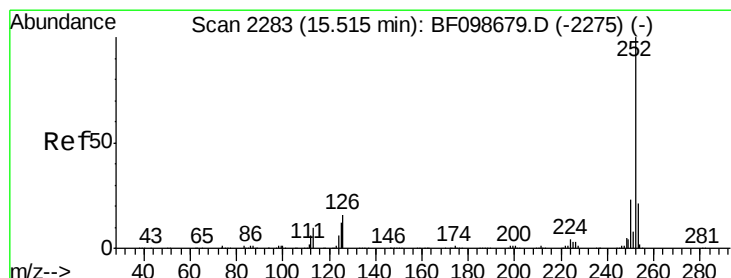
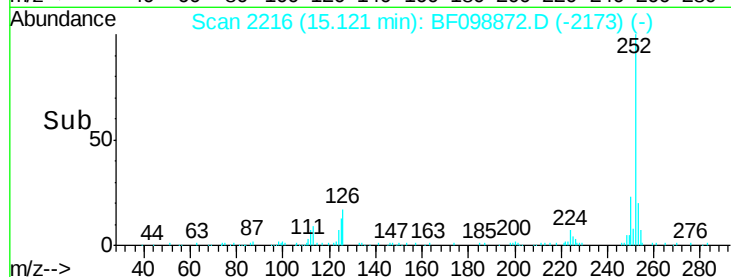
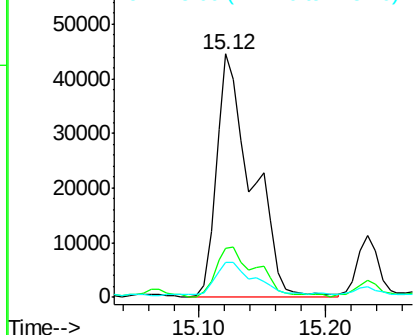
#88
Benzo(k)fluoranthene
Concen: 4.96 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.05 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 86984
Ion Ratio Lower Upper
252 100
253 20.3 17.9 26.9
125 14.2 10.2 15.2

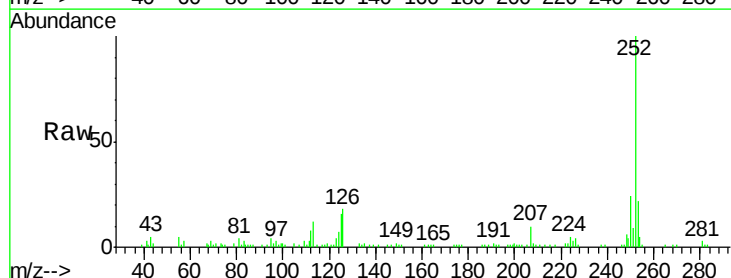


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

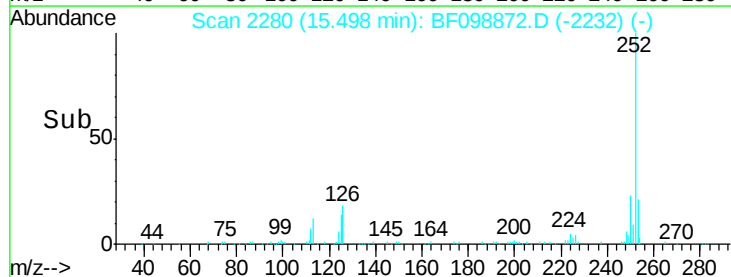
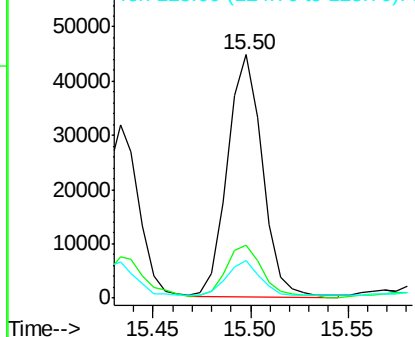


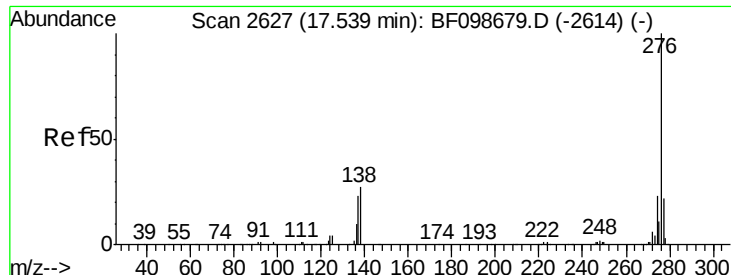
#89
Benzo(a)pyrene
Concen: 3.42 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF098872.D
Acq: 27 Sep 2017 19:38

Tgt Ion:252 Resp: 55692
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 15.5 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

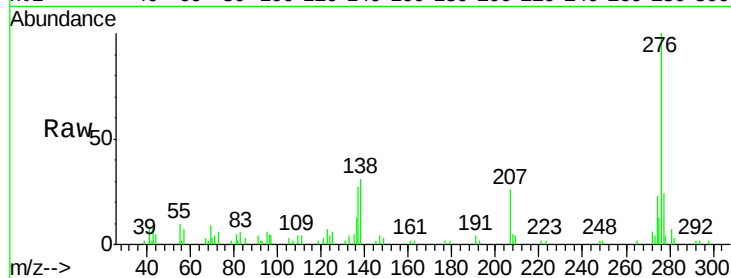




#91
 Benzo(a,h,i)perylene
 Concen: 2.90 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. -0.03 min
 Lab File: BF098872.D
 Acq: 27 Sep 2017 19:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	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

