

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098930.D
 Acq On : 29 Sep 2017 2:12
 Operator : SJ/JU
 Sample : I5487-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 02:50:14 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

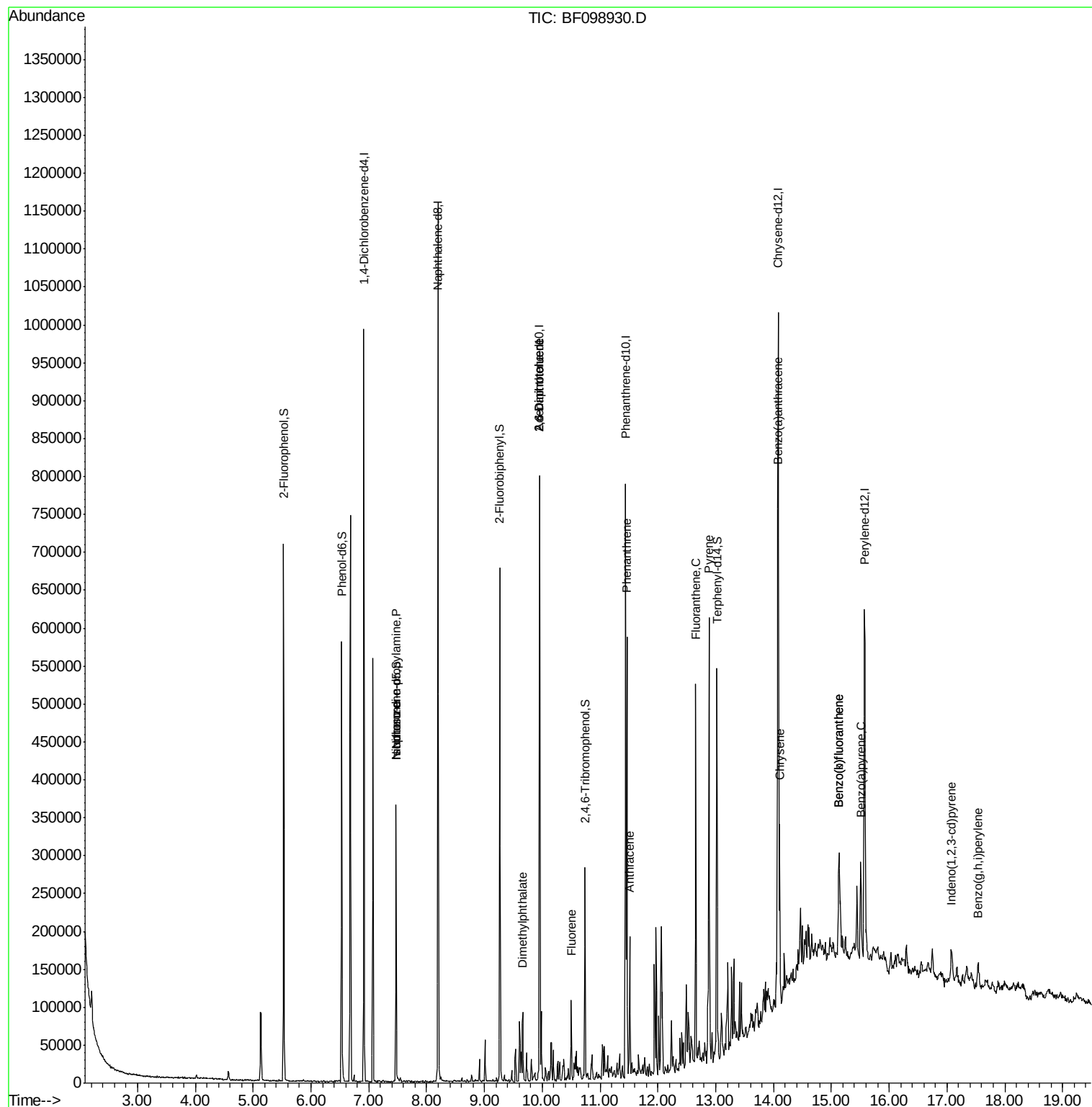
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	127225	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	453832	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	163560	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	254880	20.00	ng	0.00
75) Chrysene-d12	14.08	240	250840	20.00	ng	0.00
86) Perylene-d12	15.57	264	201539	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	173995	21.77	ng	-0.01
7) Phenol-d6	6.53	99	192343	19.51	ng	-0.02
23) Nitrobenzene-d5	7.47	82	109228	15.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	22304	16.67	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	180859	18.46	ng	-0.01
78) Terphenyl-d14	13.02	244	134347	12.18	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.47	70	14223	2.26	ng	# 84
25) Isophorone	7.47	82	109109	7.46	ng	# 64
49) Dimethylphthalate	9.66	163	32647	2.64	ng	99
50) 2,6-Dinitrotoluene	9.95	165	21213	7.89	ng	# 25
56) 2,4-Dinitrotoluene	9.95	165	21213	6.08	ng	# 22
57) Fluorene	10.50	166	27024	2.47	ng	# 95
70) Phenanthrene	11.46	178	198103	14.52	ng	98
71) Anthracene	11.52	178	60156	4.31	ng	99
74) Fluoranthene	12.66	202	193491	14.01	ng	97
77) Pyrene	12.89	202	232841	12.17	ng	98
80) Benzo(a)anthracene	14.07	228	91701	6.04	ng	99
82) Chrysene	14.10	228	82270	5.69	ng	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	24118	2.08	ng	# 86
87) Benzo(b)fluoranthene	15.13	252	94600	7.63	ng	# 95
88) Benzo(k)fluoranthene	15.13	252	94600	7.73	ng	# 95
89) Benzo(a)pyrene	15.51	252	56297	4.95	ng	# 95
91) Benzo(a,h,i)perylene	17.54	276	25806	2.87	ng	95

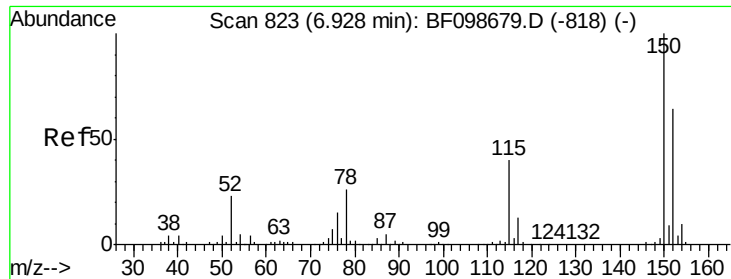
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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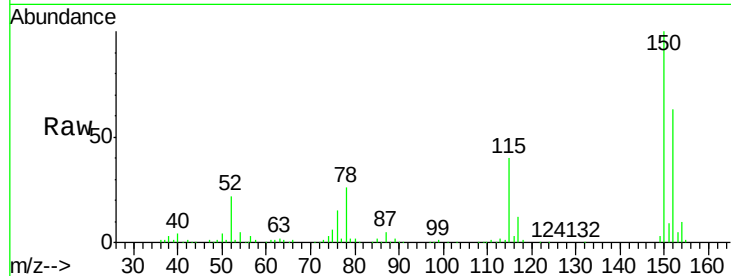


#1

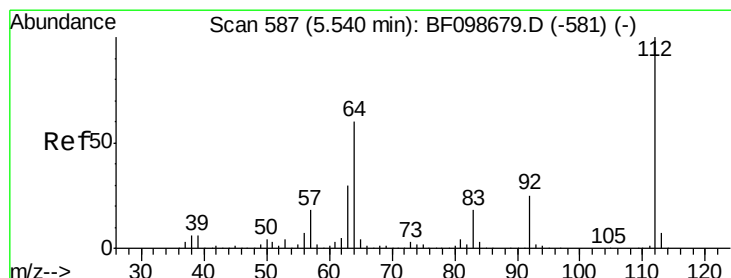
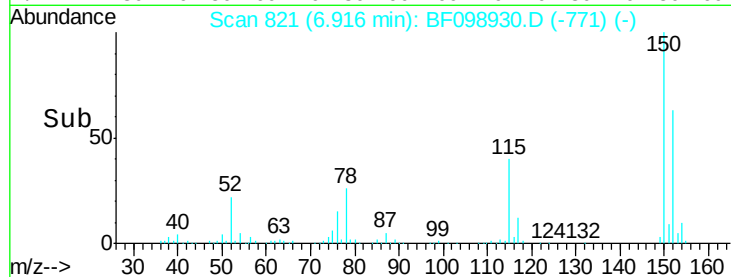
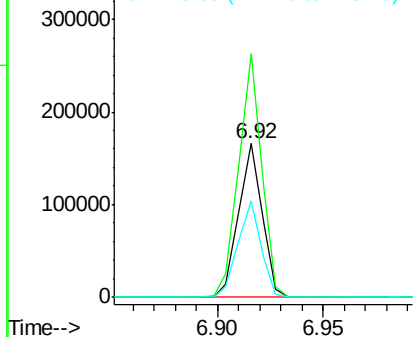
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 127225
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 62.9 50.1 75.1



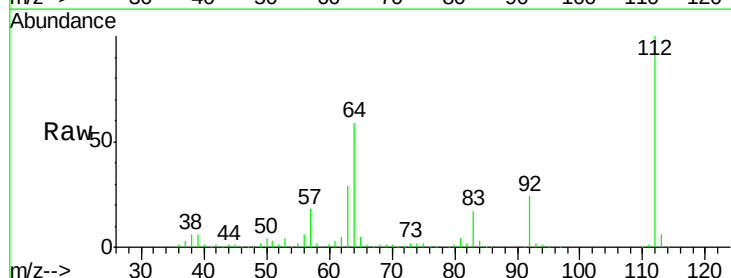
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



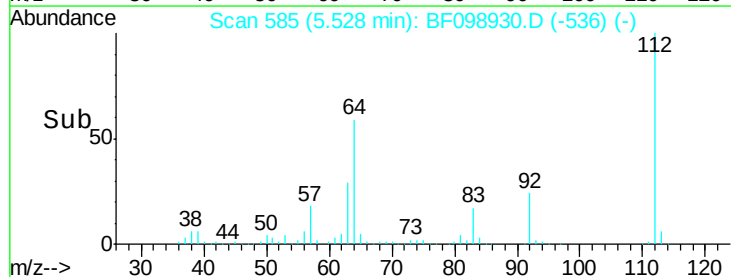
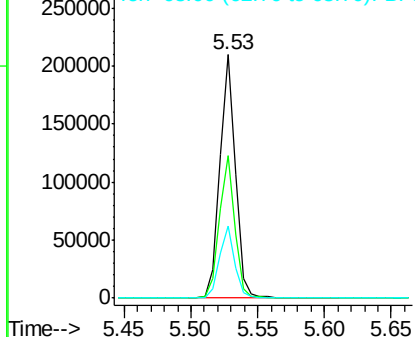
#5

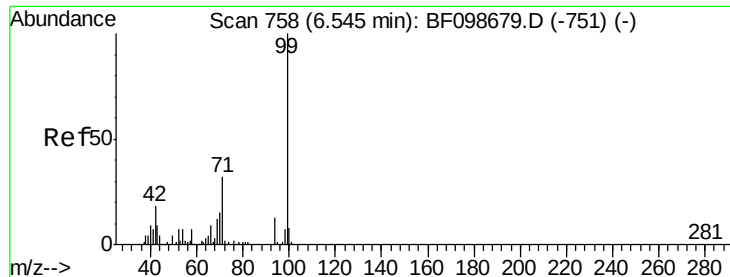
2-Fluorophenol
Concen: 21.77 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Tgt Ion:112 Resp: 173995
Ion Ratio Lower Upper
112 100
64 58.6 47.9 71.9
63 29.4 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: 19.51 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Instrument :

BNA_F

ClientSampled :

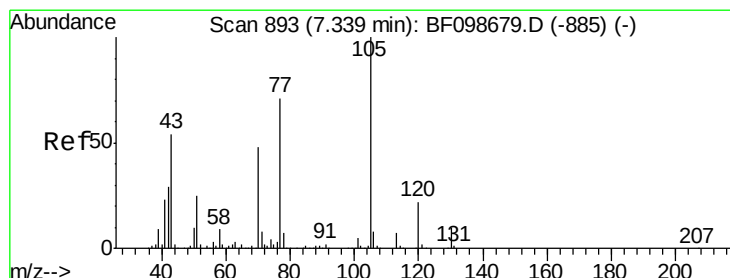
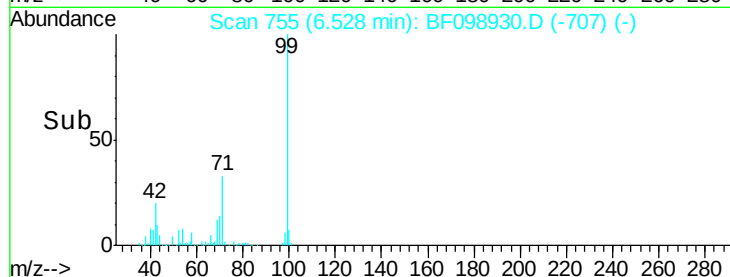
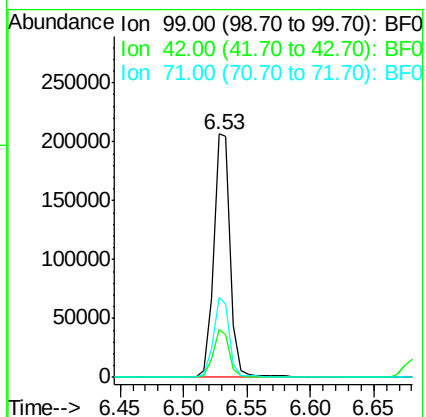
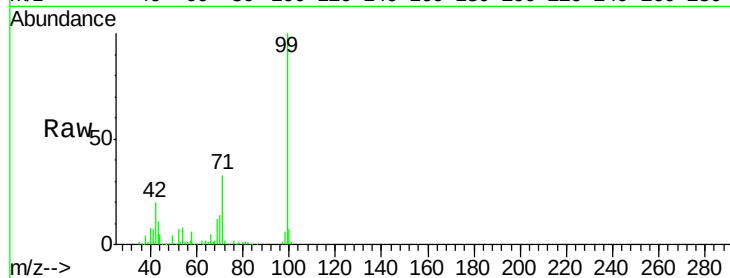
Tot Ion: 99 Resp: 192343

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 32.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.26 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.14 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Tgt Ion: 70 Resp: 14223

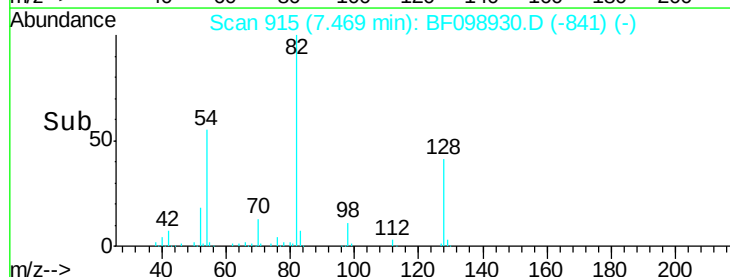
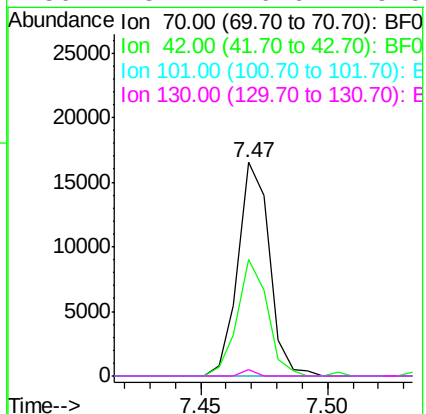
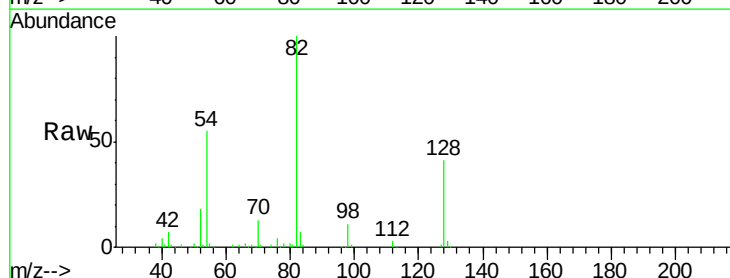
Ion Ratio Lower Upper

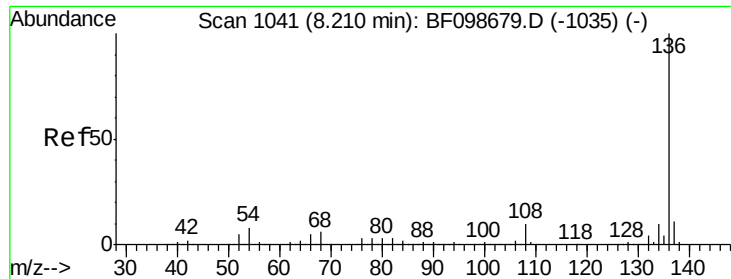
70 100

42 54.6 47.5 71.3

101 0.0 7.4 11.2#

130 3.2 16.6 25.0#

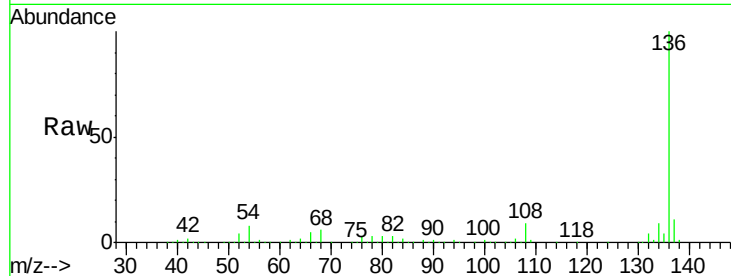




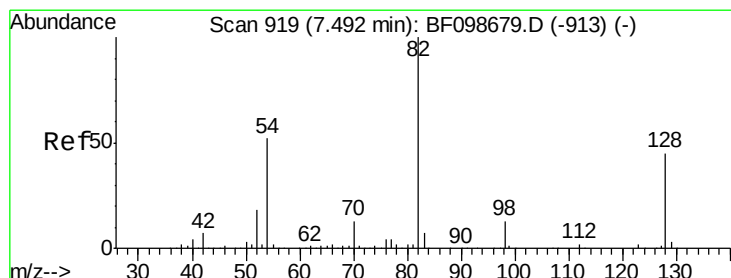
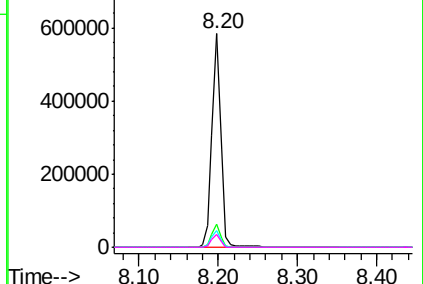
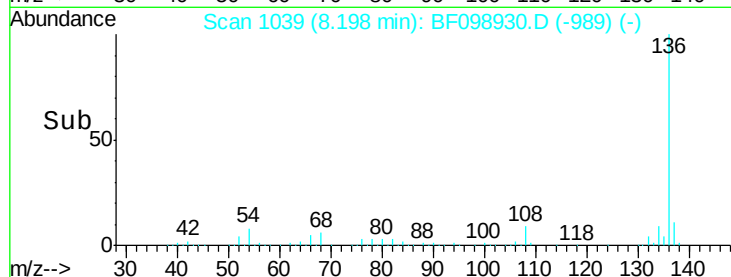
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	453832
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	7.9	6.6 9.8
68	5.7	5.0 7.4

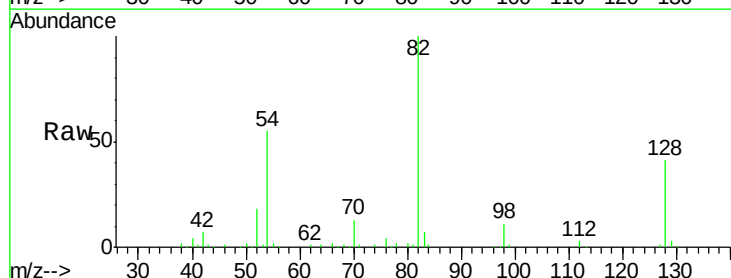


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

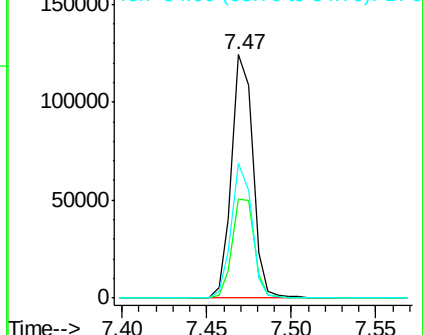
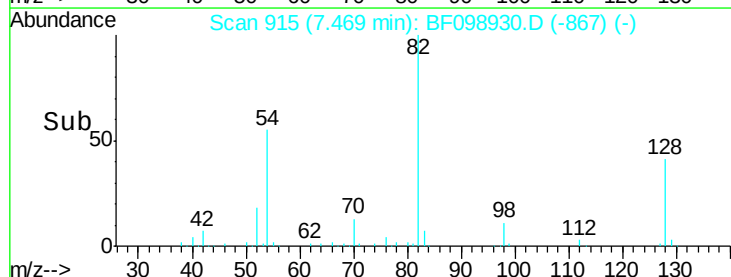


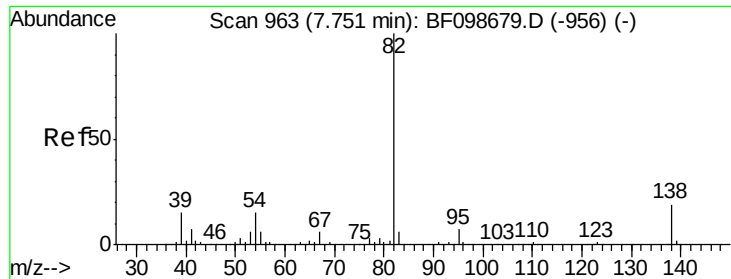
#23
Nitrobenzene-d5
Concen: 15.43 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Tgt Ion: 82	Resp:	109228
Ion Ratio	Lower	Upper
82	100	
128	40.9	36.1 54.1
54	55.2	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: 7.46 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.28 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Instrument :

BNA_F

ClientSampleId :

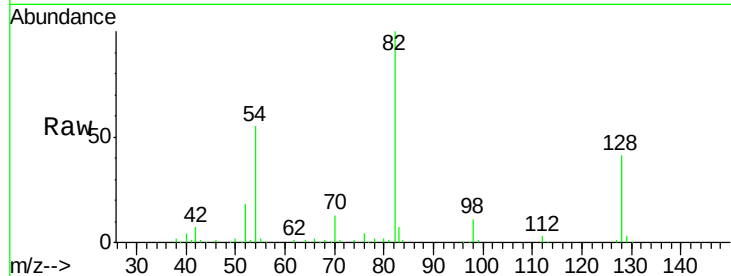
Tot Ion: 82 Resp: 109109

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

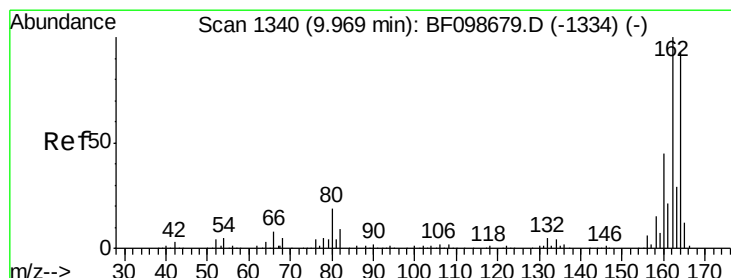
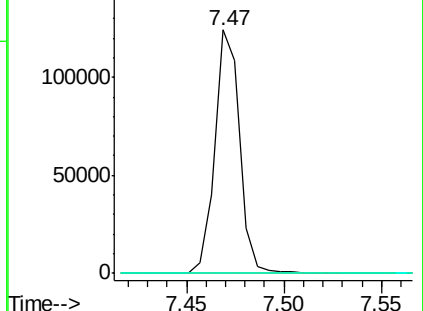
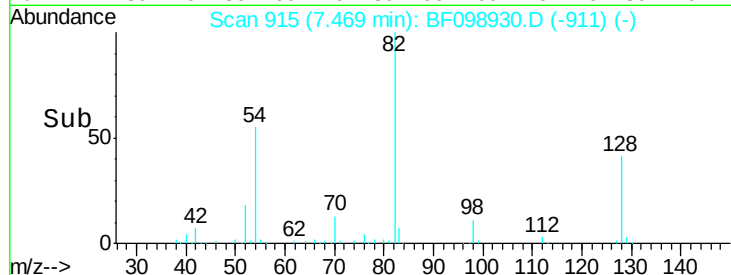
138 0.0 14.9 22.3#



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: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

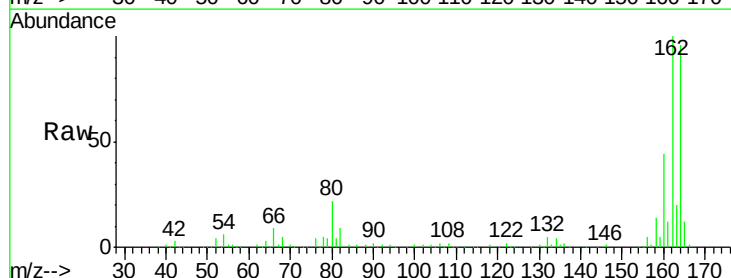
Tgt Ion: 164 Resp: 163560

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

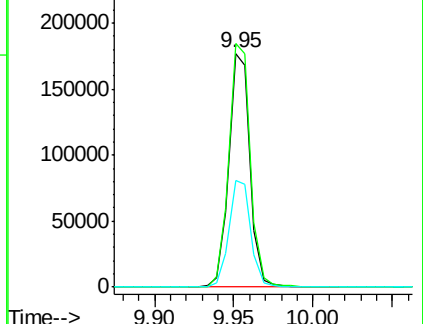
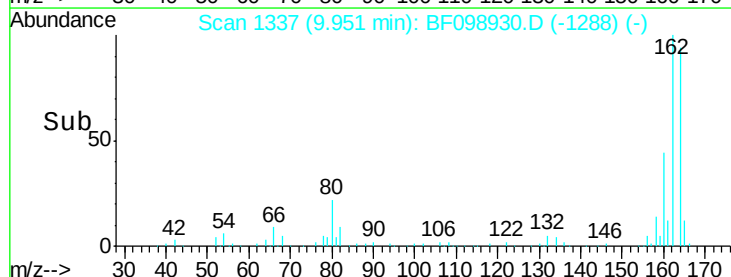
160 45.9 38.3 57.5

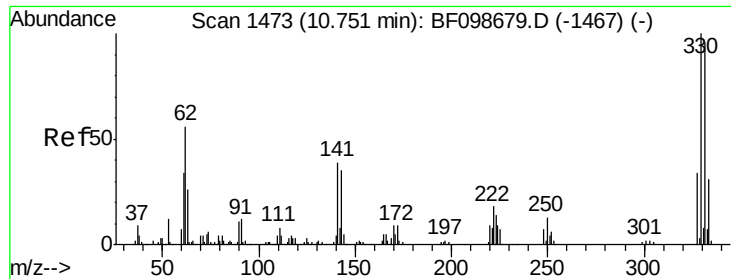


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

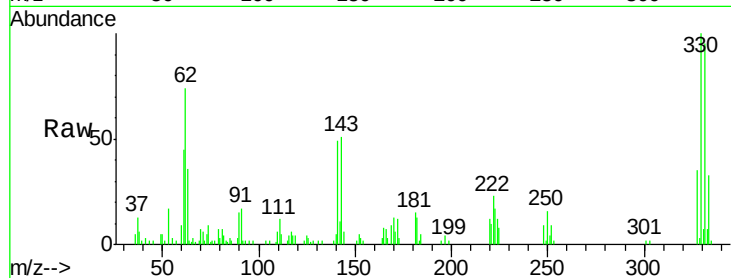




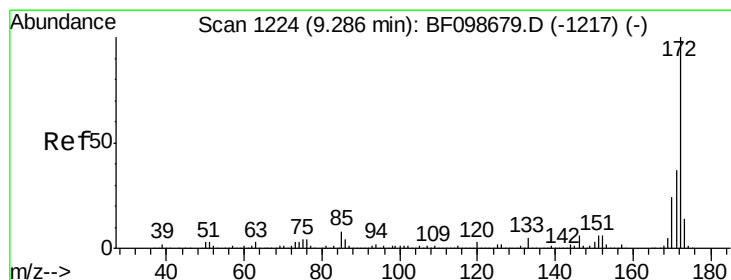
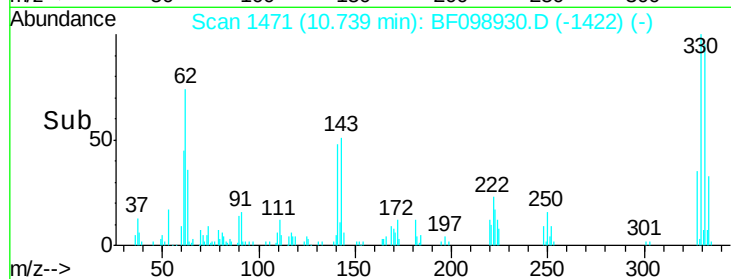
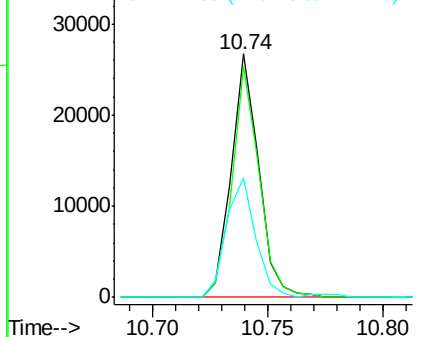
#41
 2,4,6-Tribromophenol
 Concen: 16.67 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098930.D
 Acq: 29 Sep 2017 2:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 22304
 Ion Ratio Lower Upper
 330 100
 332 93.2 77.0 115.6
 141 51.6 29.9 44.9#

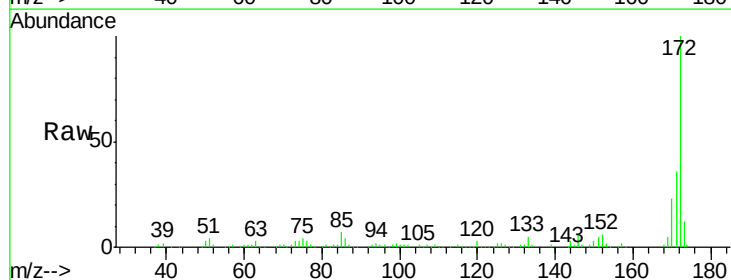


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

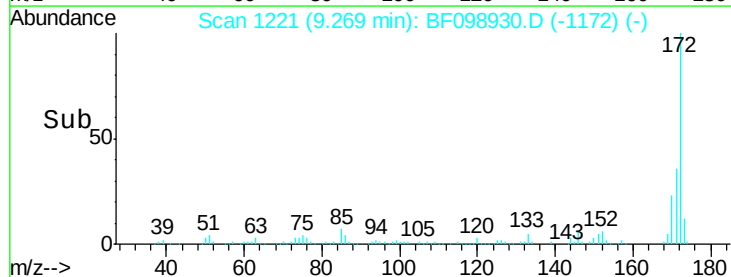
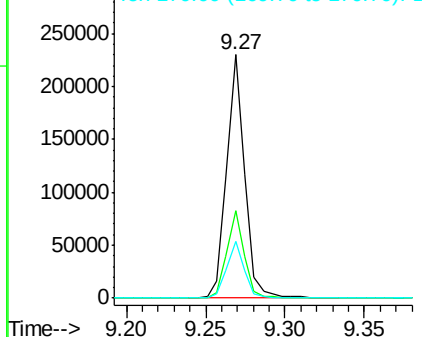


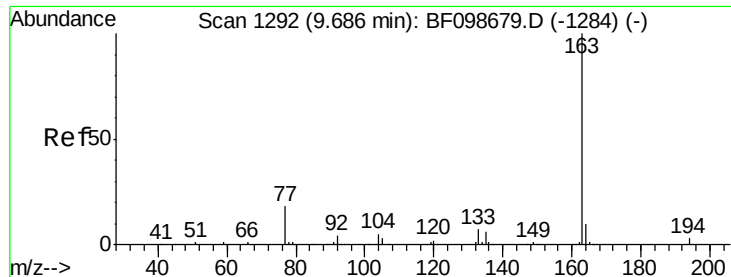
#44
 2-Fluorobiphenyl
 Concen: 18.46 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098930.D
 Acq: 29 Sep 2017 2:12

Tgt Ion:172 Resp: 180859
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.2 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





#49

Dimethylphthalate

Concen: 2.64 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Instrument :

BNA_F

ClientSampleId :

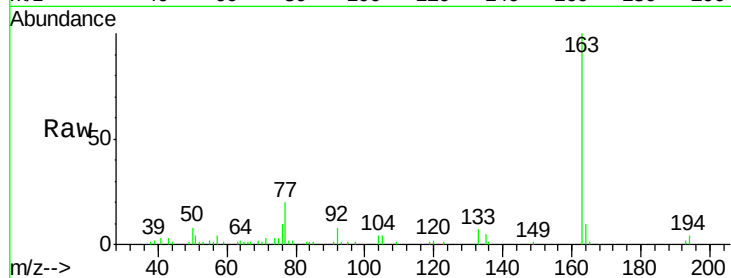
Tot Ion:163 Resp: 32647

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

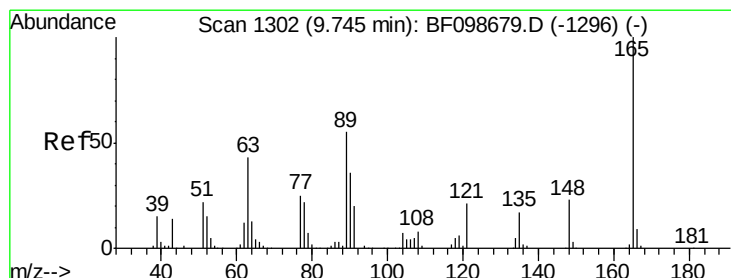
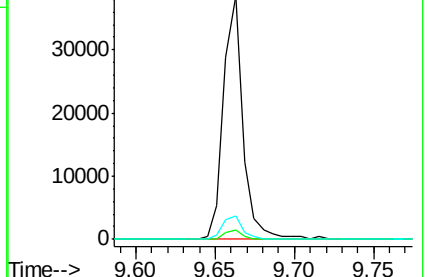
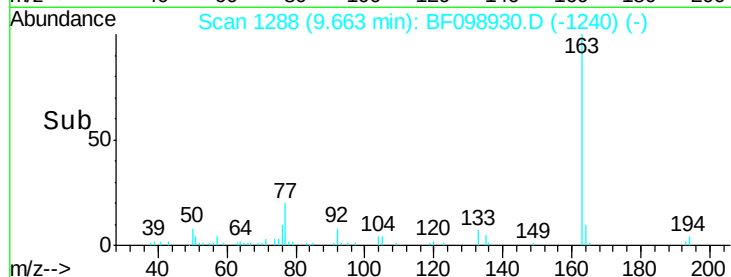
164 9.7 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.89 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.21 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

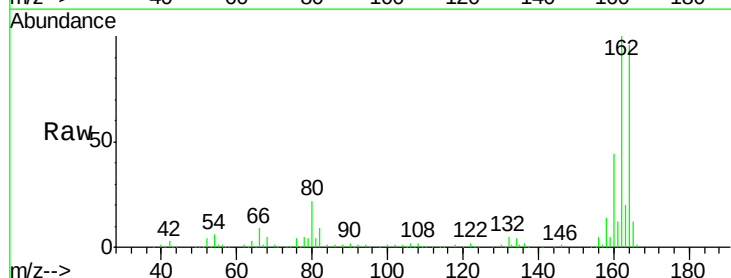
Tgt Ion:165 Resp: 21213

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

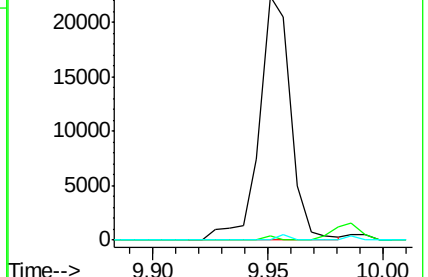
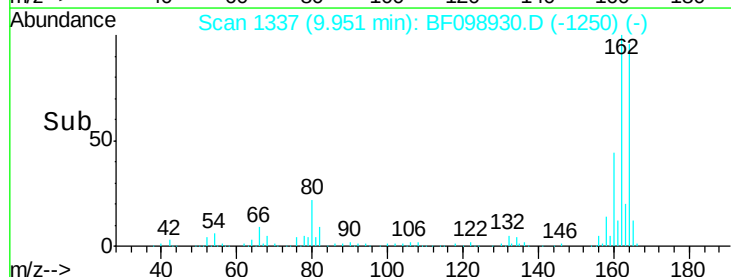
89 0.0 44.0 66.0#

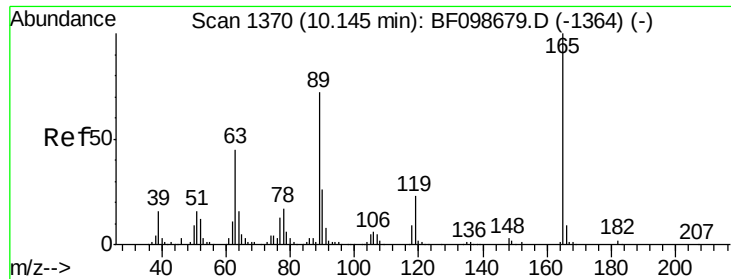


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

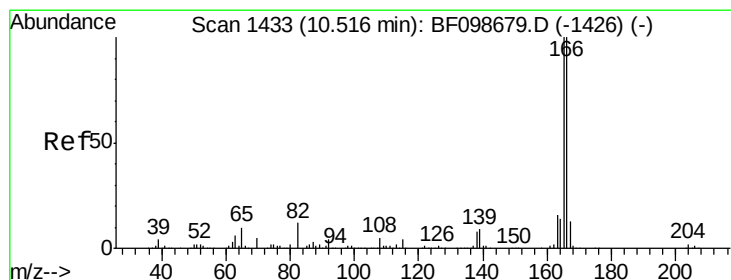
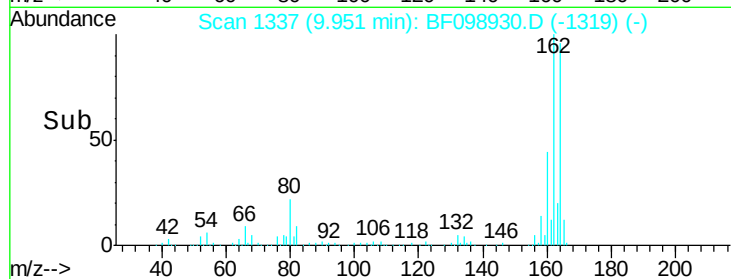
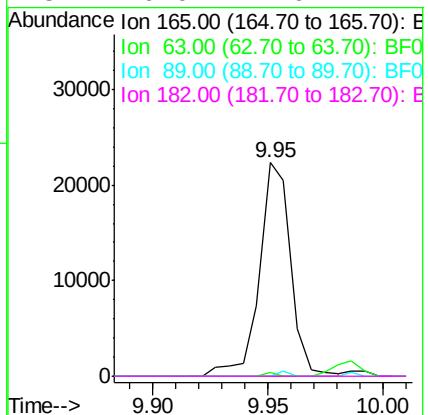
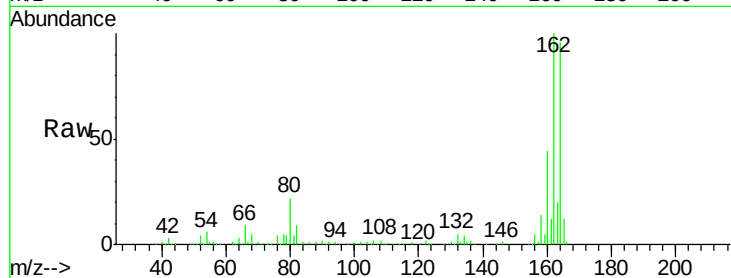




#56
2,4-Dinitrotoluene
Concen: 6.08 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

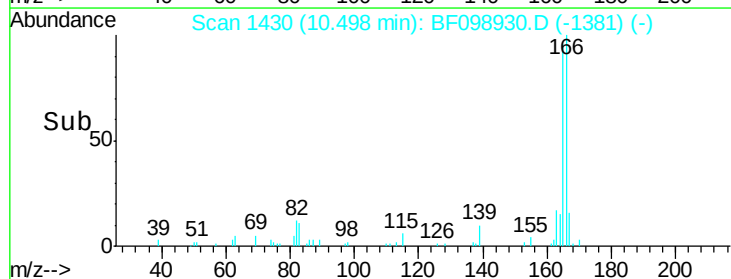
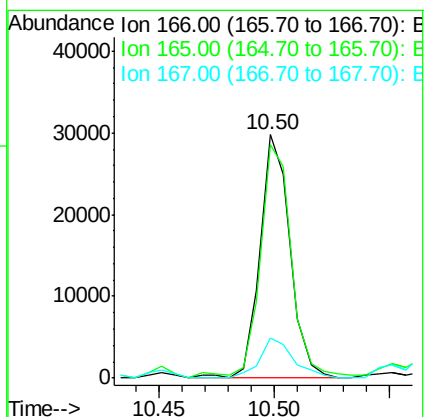
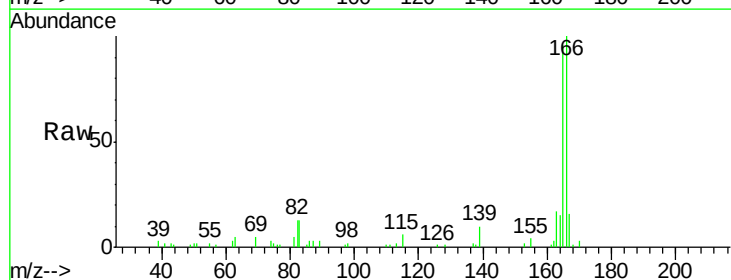
Instrument :
BNA_F
ClientSampleId :

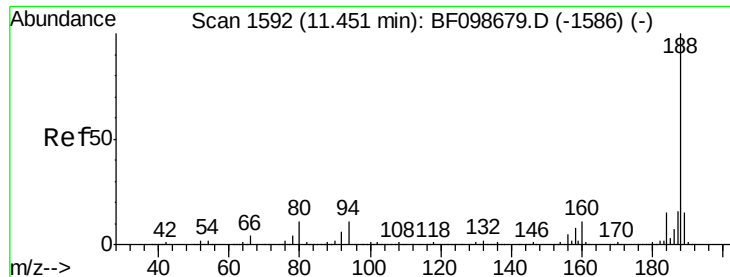
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 2.47 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.6	79.8	119.8
167	16.4	10.6	16.0#

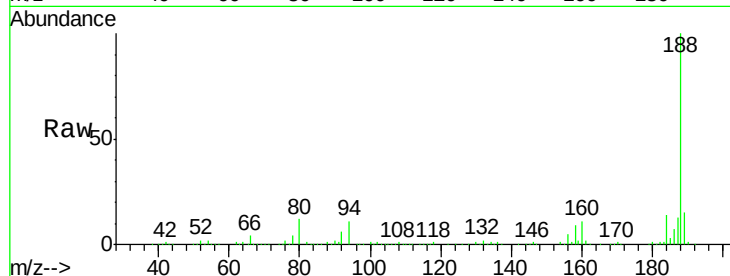




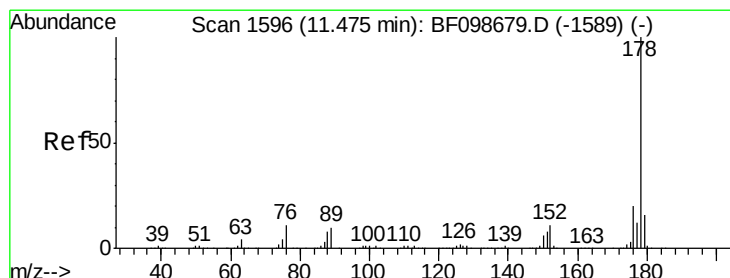
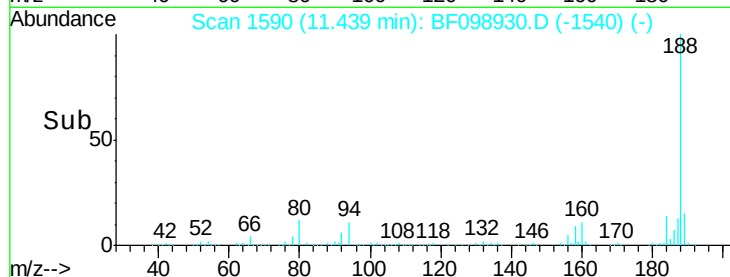
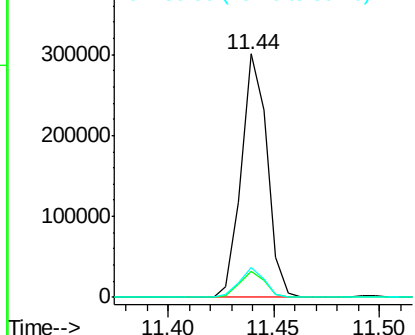
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 254880
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 12.1 9.2 13.8

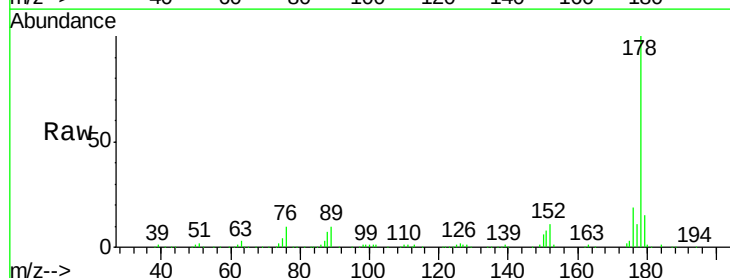


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

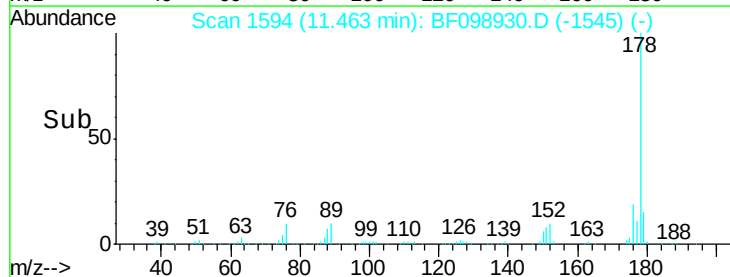
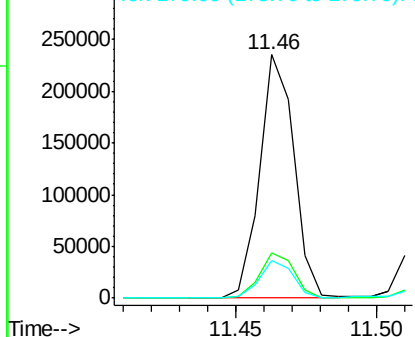


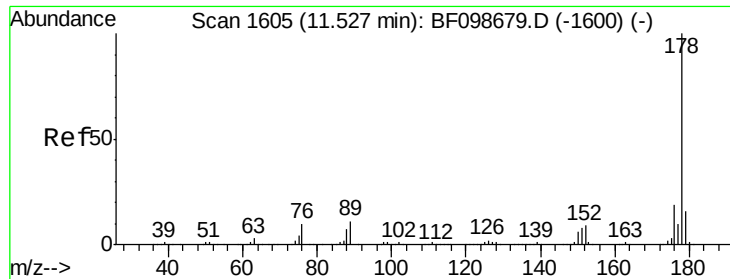
#70
Phenanthrene
Concen: 14.52 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Tgt Ion:178 Resp: 198103
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.3 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

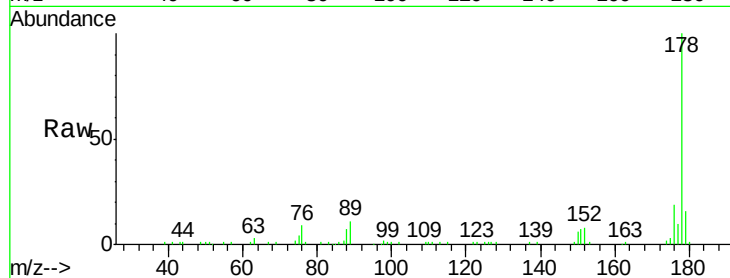




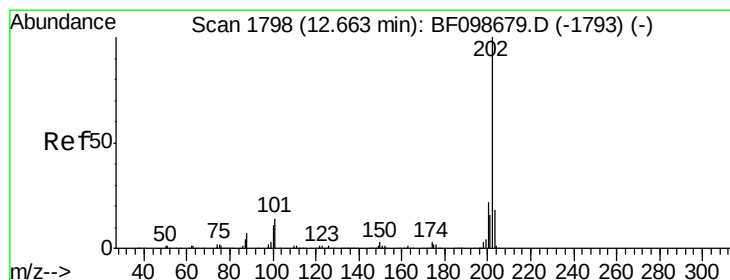
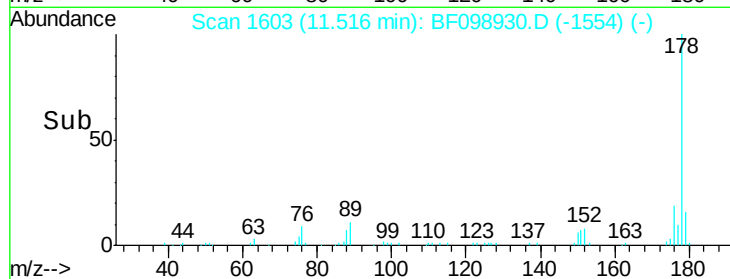
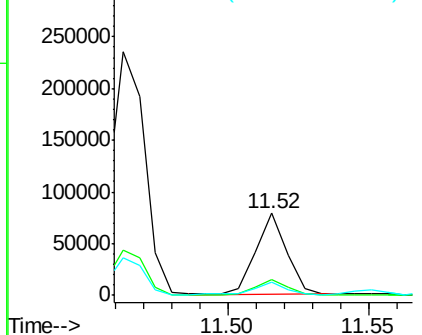
#71
 Anthracene
 Concen: 4.31 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF098930.D
 Acq: 29 Sep 2017 2:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.8	12.6	19.0

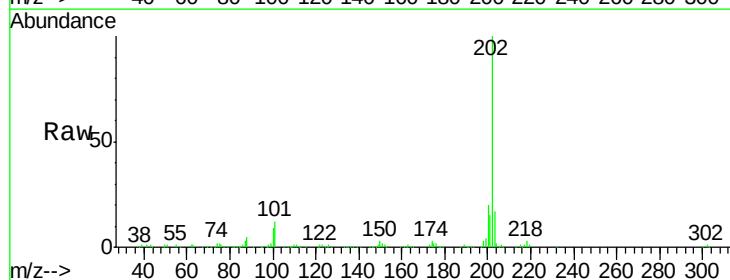


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

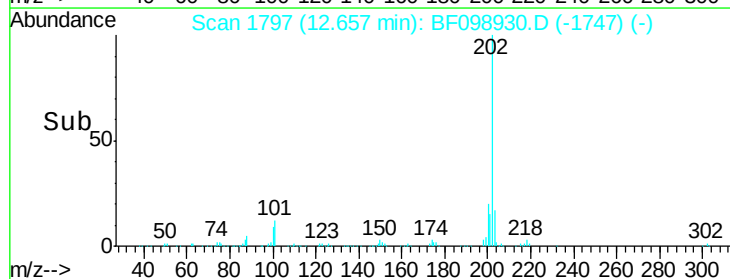
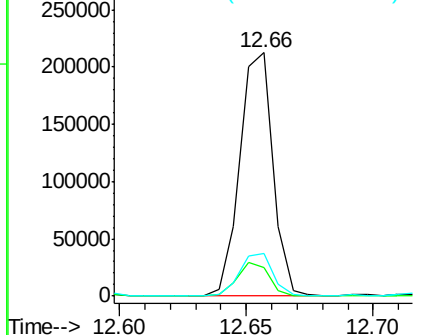


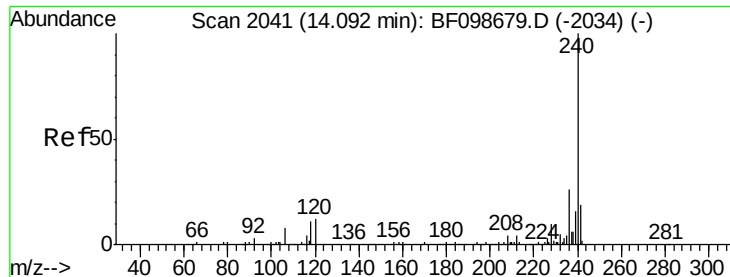
#74
 Fluoranthene
 Concen: 14.01 ng
 RT: 12.66 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BF098930.D
 Acq: 29 Sep 2017 2:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.4	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: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098930.D

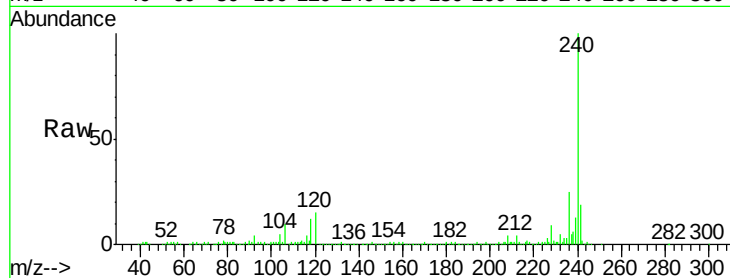
Acq: 29 Sep 2017 2:12

Instrument :

BNA_F

ClientSampleId :

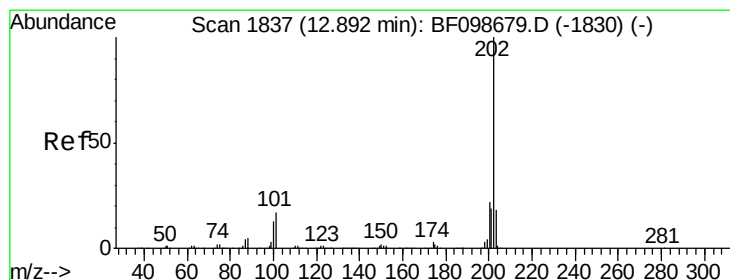
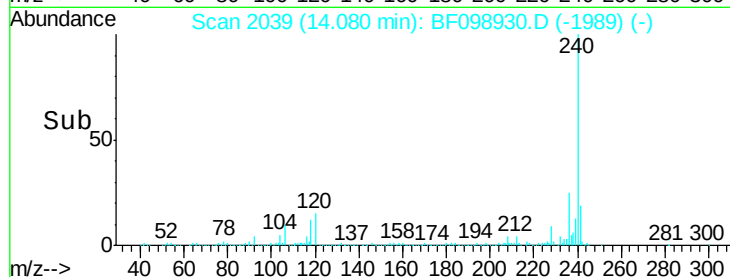
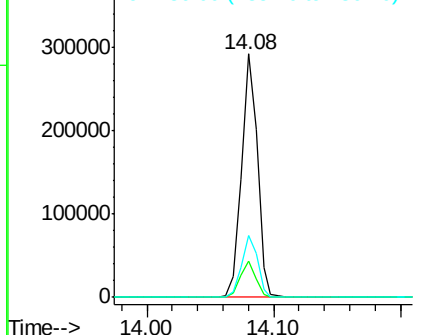
Tot Ion:	240	Resp:	250840
Ion Ratio	Lower	Upper	
240	100		
120	15.0	9.5	14.3#
236	25.4	20.7	31.1



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: 12.17 ng

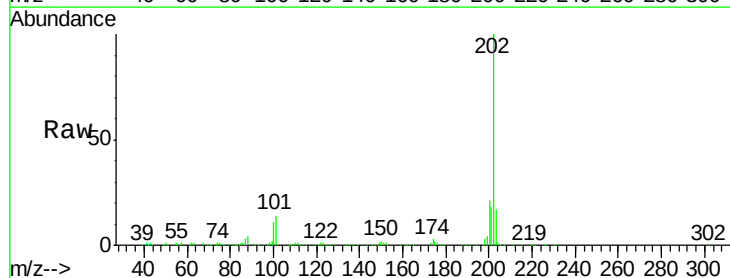
RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

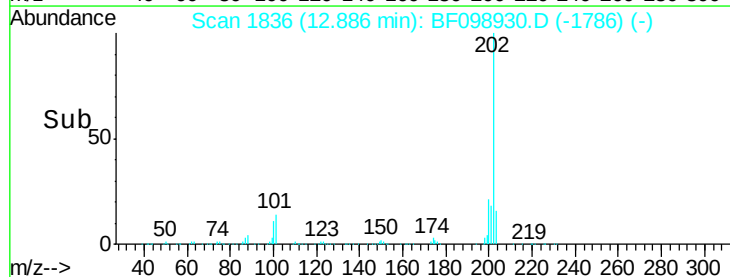
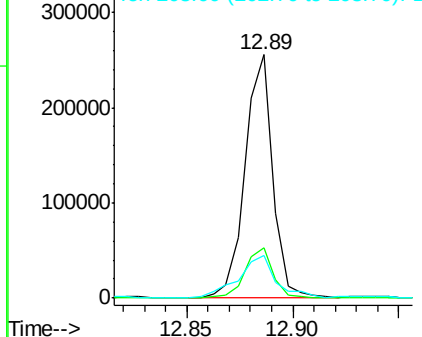
Tgt Ion:	202	Resp:	232841
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.4	14.3	21.5

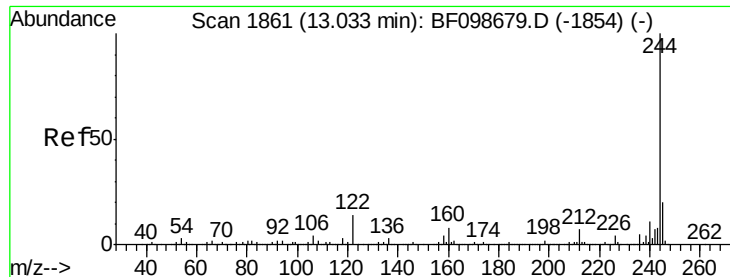


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.18 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Instrument :

BNA_F

ClientSampleId :

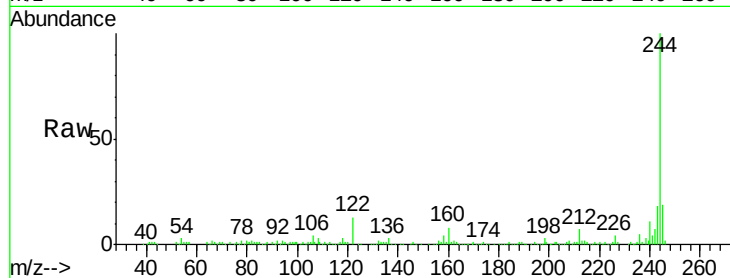
Tot Ion:244 Resp: 134347

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

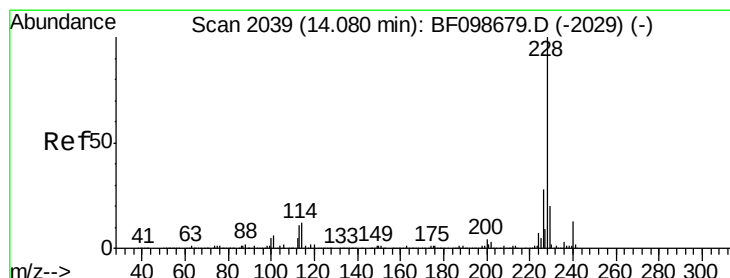
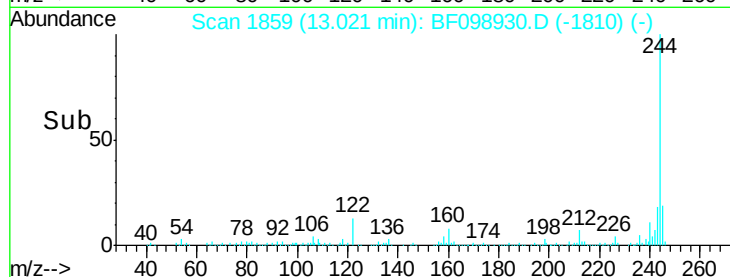
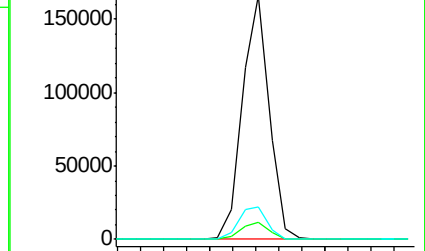
122 13.2 11.0 16.4



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: 6.04 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

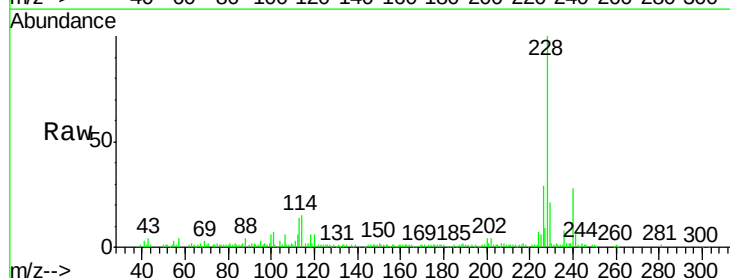
Tgt Ion:228 Resp: 91701

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

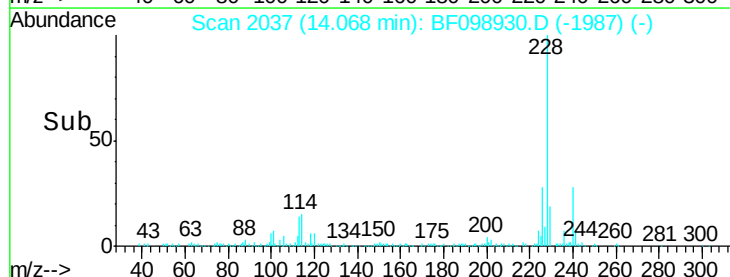
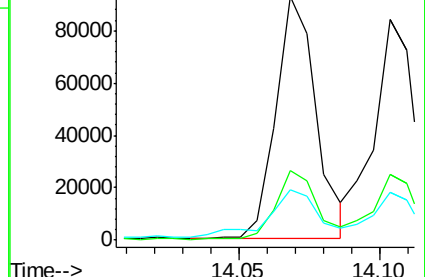
229 20.5 15.8 23.6

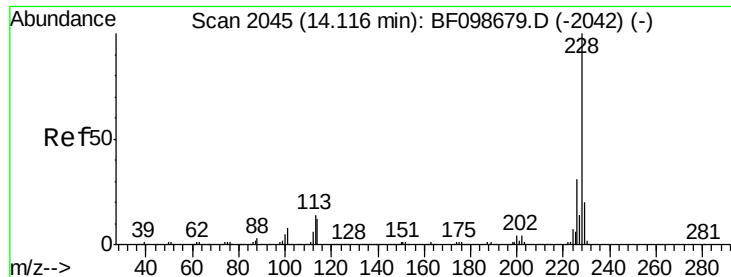


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.69 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Instrument :

BNA_F

ClientSampleId :

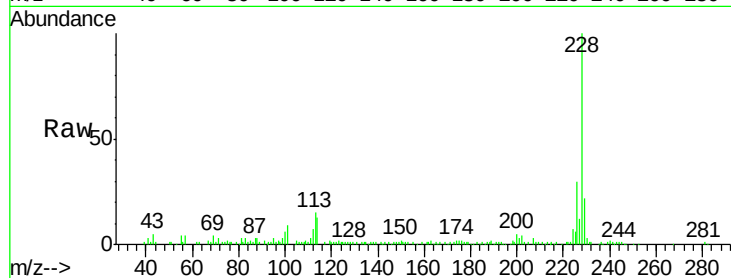
Tot Ion:228 Resp: 82270

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

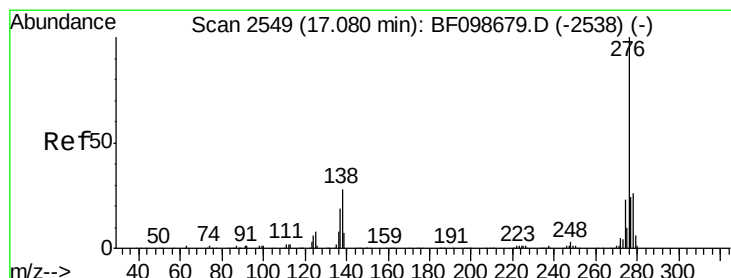
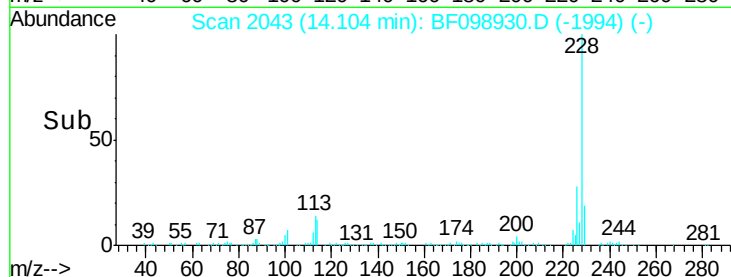
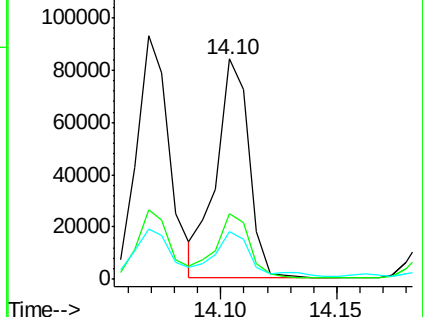
229 21.8 16.2 24.4



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: 2.08 ng

RT: 17.08 min Scan# 2549

Delta R.T. -0.01 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

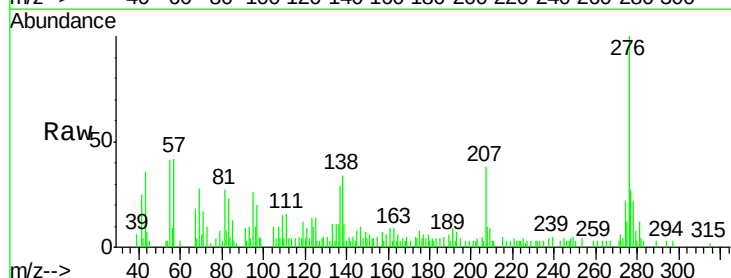
Tgt Ion:276 Resp: 24118

Ion Ratio Lower Upper

276 100

138 40.7 25.0 37.6#

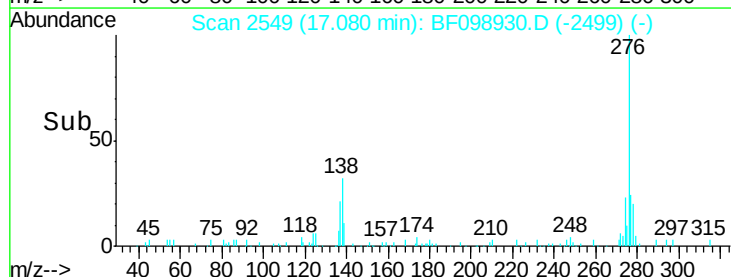
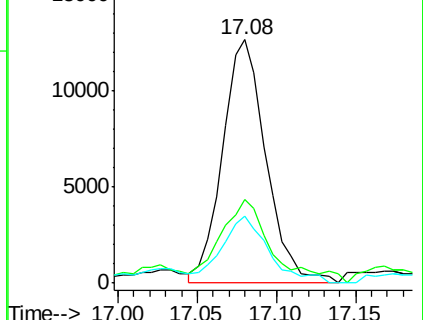
277 29.9 20.1 30.1

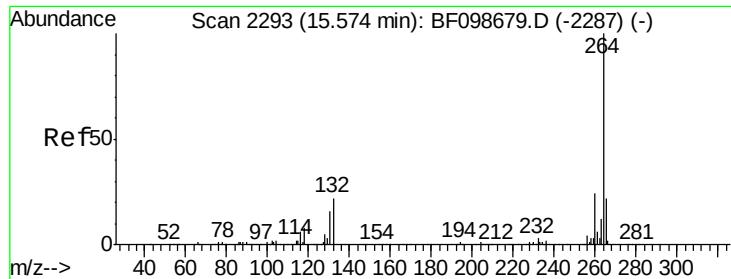


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

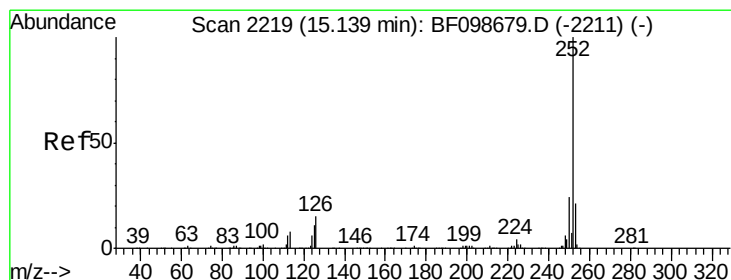
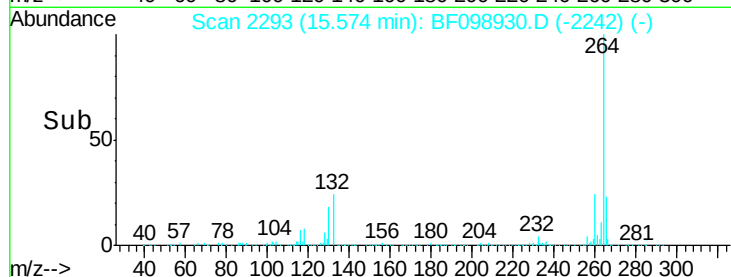
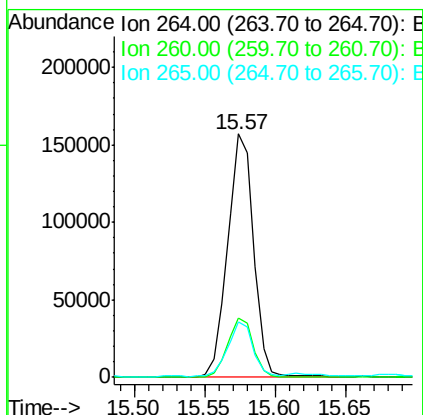
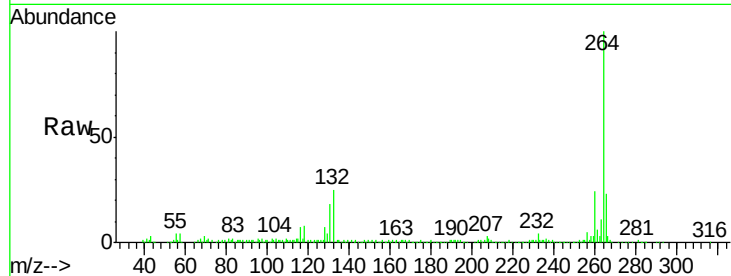




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

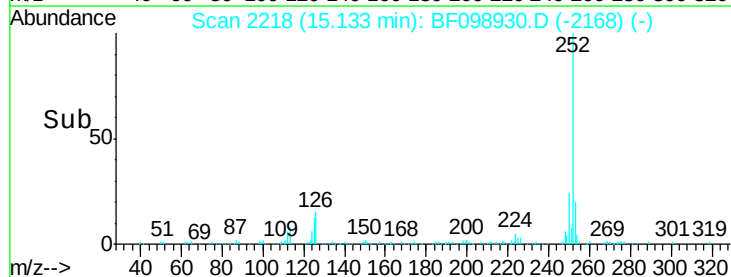
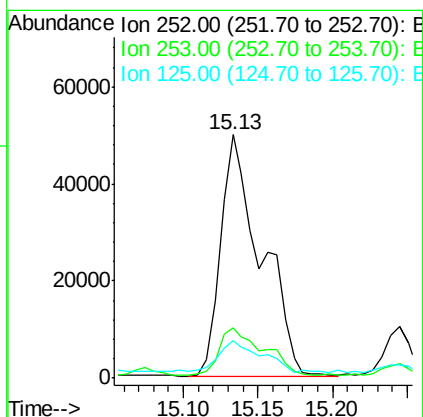
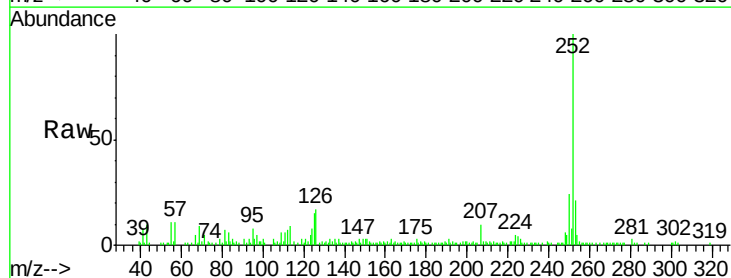
Instrument :
BNA_F
ClientSampleId :

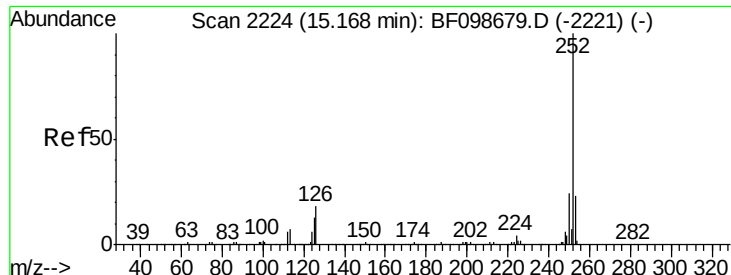
Tot Ion:264 Resp: 201539
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 7.63 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098930.D
Acq: 29 Sep 2017 2:12

Tgt Ion:252 Resp: 94600
Ion Ratio Lower Upper
252 100
253 20.6 17.0 25.6
125 15.4 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 7.73 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.04 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Instrument :

BNA_F

ClientSampleId :

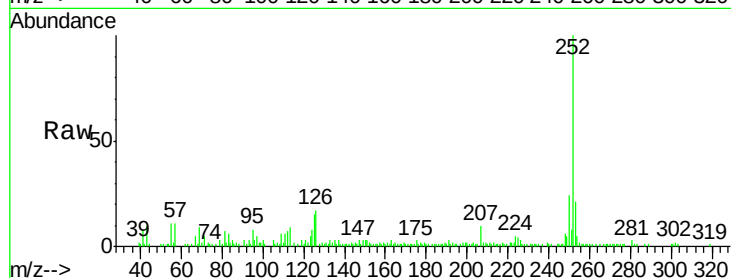
Tot Ion:252 Resp: 94600

Ion Ratio Lower Upper

252 100

253 20.6 17.9 26.9

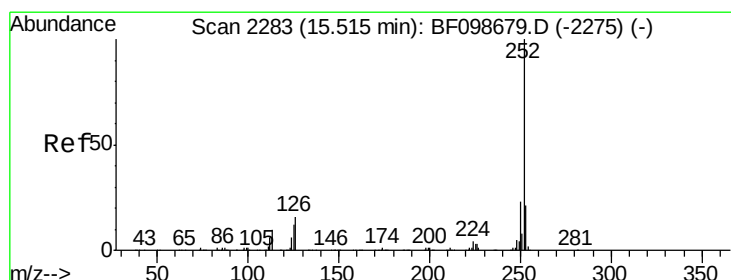
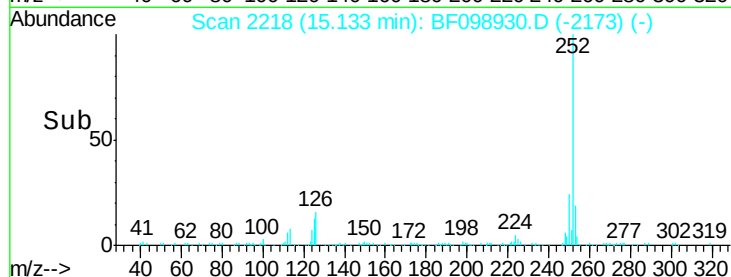
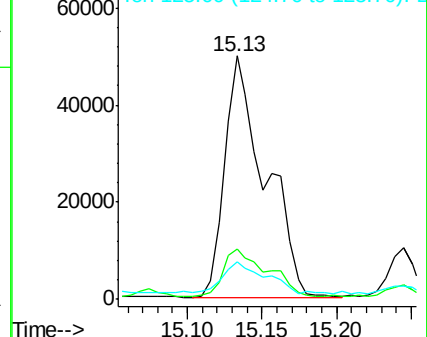
125 15.4 10.2 15.2#



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: 4.95 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

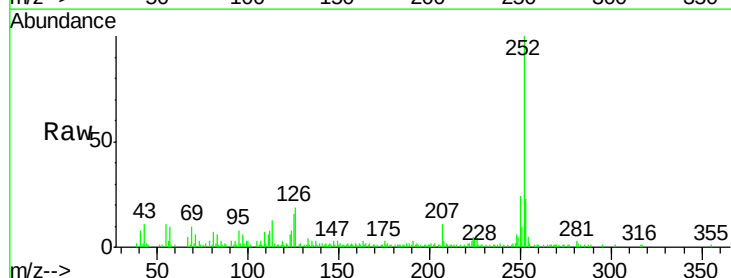
Tgt Ion:252 Resp: 56297

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

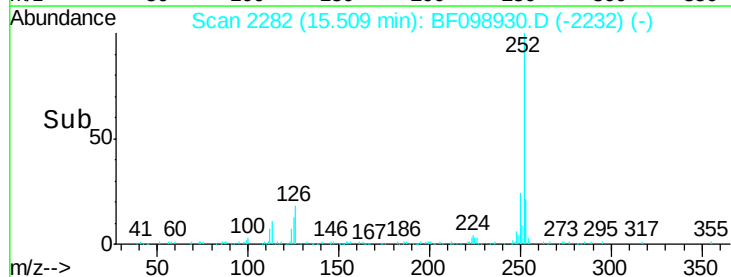
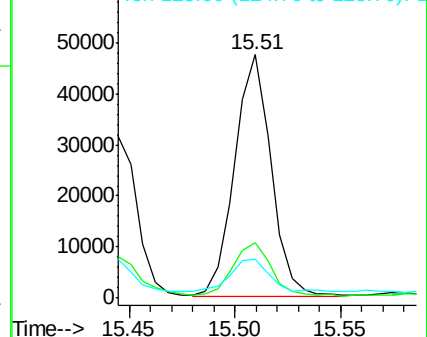
125 16.0 9.8 14.6#

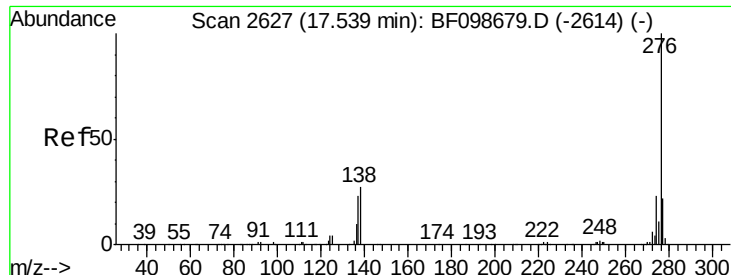


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.87 ng

RT: 17.54 min Scan# 2628

Delta R.T. -0.00 min

Lab File: BF098930.D

Acq: 29 Sep 2017 2:12

Instrument :

BNA_F

ClientSampleId :

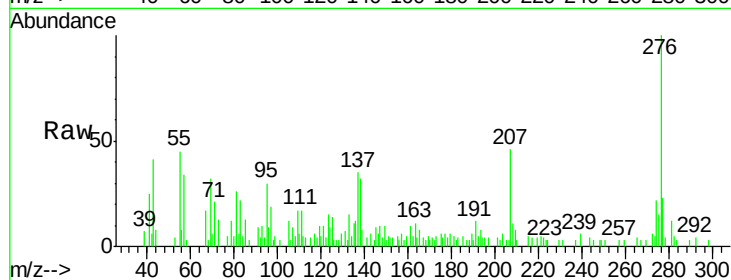
Tot Ion:276 Resp: 25806

Ion Ratio Lower Upper

276 100

277 22.8 17.9 26.9

138 32.1 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

