

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097769.D
 Acq On : 17 Aug 2017 5:55
 Operator : SJ/JU
 Sample : I4792-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Quant Time: Aug 17 07:34:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	137538	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	538140	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	225322	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	346608	20.00	ng	0.00
75) Chrysene-d12	13.93	240	258953	20.00	ng	0.00
86) Perylene-d12	15.36	264	232426	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1136293	125.67	ng	0.01
7) Phenol-d6	6.42	99	1565087	127.39	ng	0.00
23) Nitrobenzene-d5	7.35	82	954578	96.36	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	238556	122.02	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1424600	92.89	ng	0.00
78) Terphenyl-d14	12.89	244	825415	66.47	ng	0.00

Target Compounds

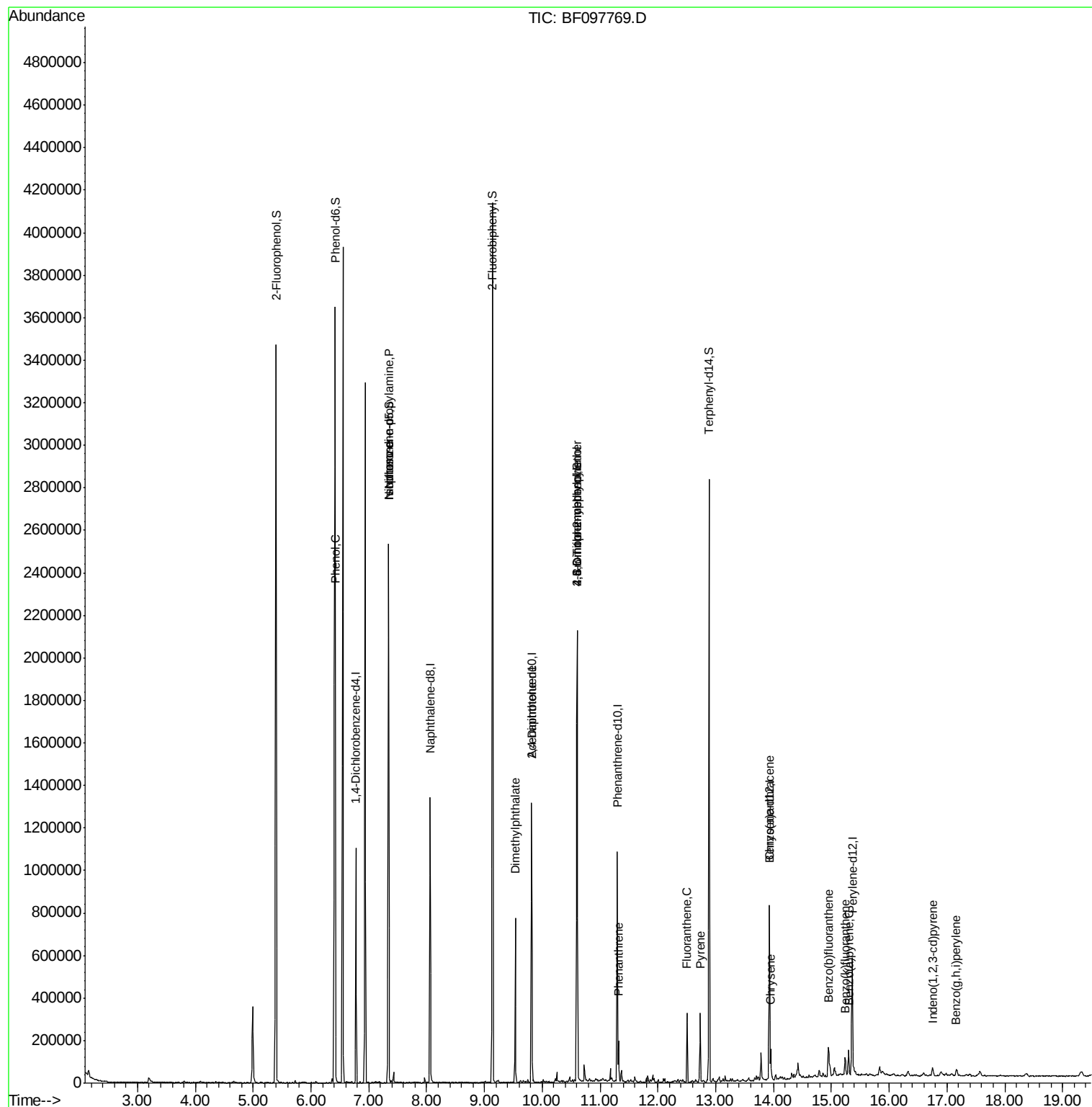
						Qvalue
10) Phenol	6.43	94	37426	2.60	ng	87
19) n-Nitroso-di-n-propylamine	7.35	70	129239	15.37	ng	# 70
25) Isophorone	7.35	82	951727	46.20	ng	# 67
49) Dimethylphthalate	9.53	163	249993	15.18	ng	100
56) 2,4-Dinitrotoluene	9.82	165	28612	6.93	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.60	198	558	8.60	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	15897	4.42	ng	# 1
70) Phenanthrene	11.32	178	59846	3.24	ng	96
74) Fluoranthene	12.50	202	123649	6.41	ng	98
77) Pyrene	12.73	202	119467	5.64	ng	97
80) Benzo(a)anthracene	13.92	228	53606	3.45	ng	95
82) Chrysene	13.96	228	55209	3.58	ng	95
85) Indeno(1,2,3-cd)pyrene	16.75	276	26008	2.29	ng	93
87) Benzo(b)fluoranthene	14.95	252	93917	6.41	ng	98
88) Benzo(k)fluoranthene	15.24	252	34458	2.50	ng	97
89) Benzo(a)pyrene	15.30	252	51944	4.01	ng	98
91) Benzo(a,h,i)perylene	17.17	276	24249	2.20	ng	# 87

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

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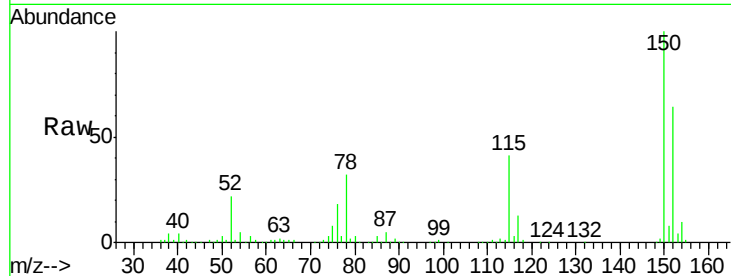


#1

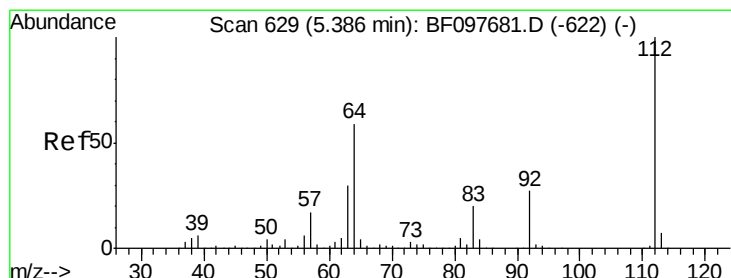
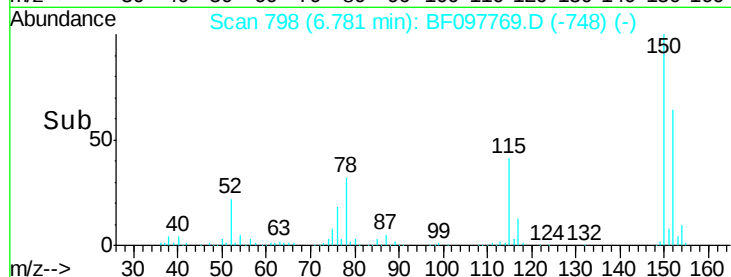
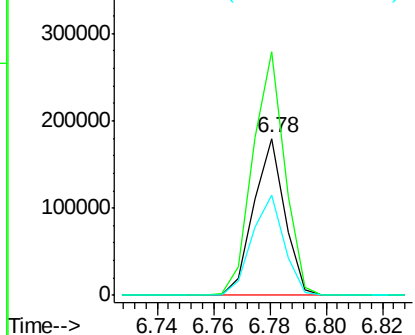
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tot Ion:152 Resp: 137538
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 64.1 52.2 78.2



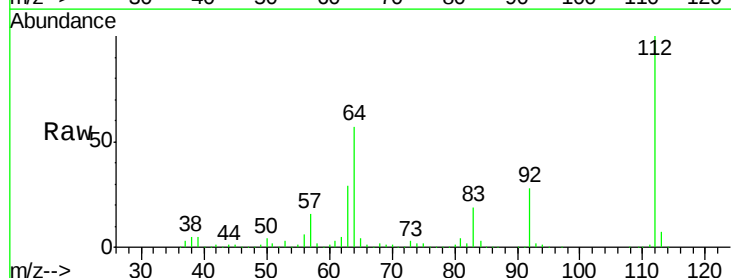
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



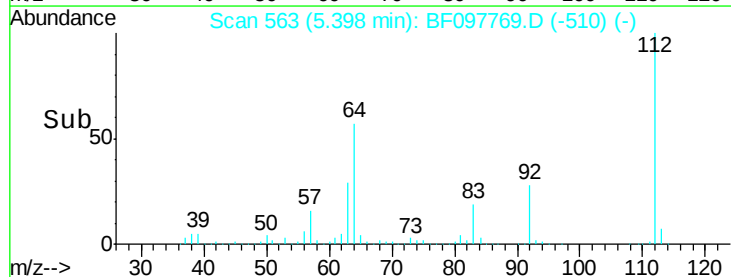
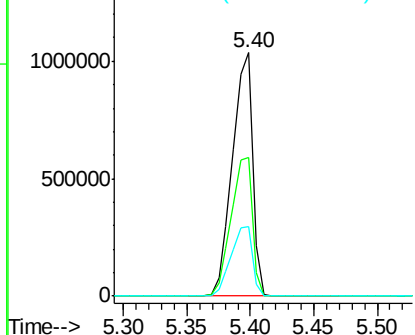
#5

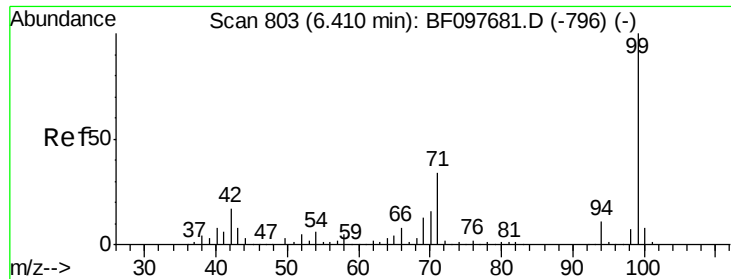
2-Fluorophenol
Concen: 125.67 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

Tgt Ion:112 Resp: 1136293
Ion Ratio Lower Upper
112 100
64 57.1 46.0 69.0
63 28.7 23.4 35.0



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





#7

Phenol-d6

Concen: 127.39 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097769.D

Acq: 17 Aug 2017 5:55

Instrument :

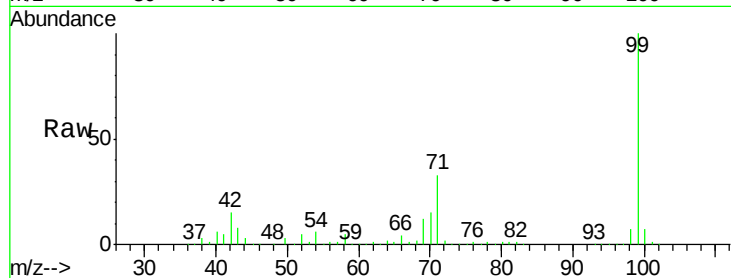
BNA_F

ClientSampleId :

SB-05-COMP

Tot Ion: 99 Resp: 1565087

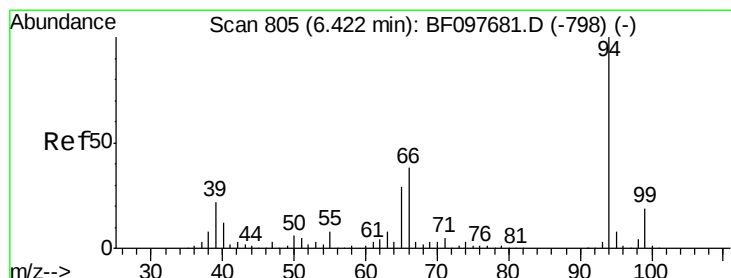
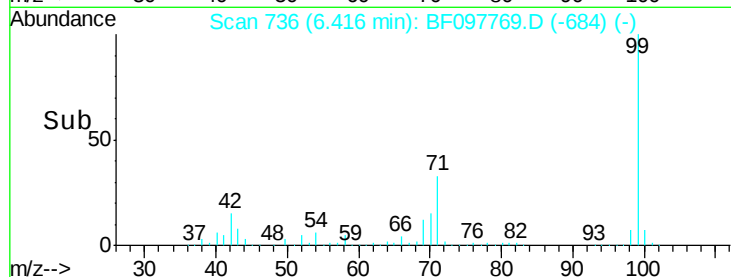
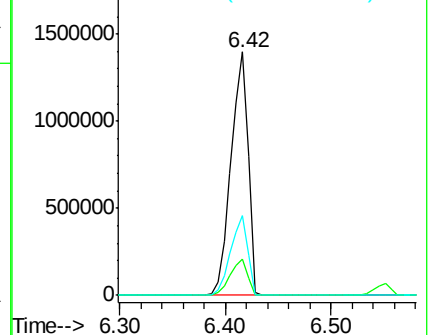
Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.5	20.3
71	32.7	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.60 ng

RT: 6.43 min Scan# 738

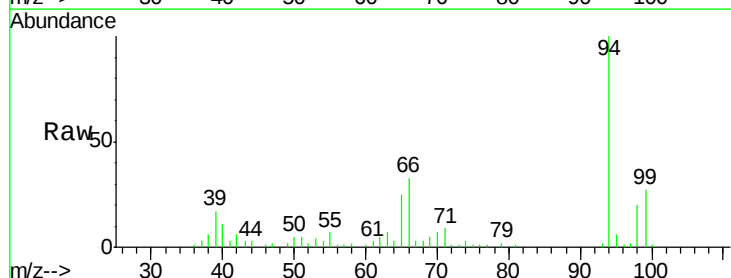
Delta R.T. 0.01 min

Lab File: BF097769.D

Acq: 17 Aug 2017 5:55

Tgt Ion: 94 Resp: 37426

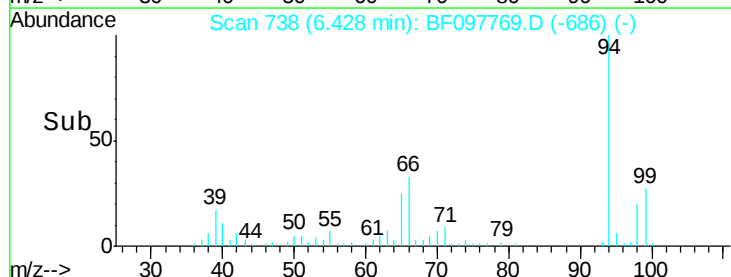
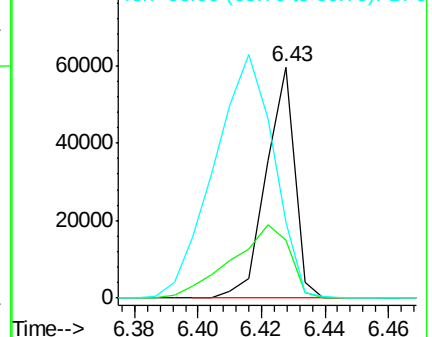
Ion	Ratio	Lower	Upper
94	100		
65	25.2	9.9	49.9
66	32.7	23.1	63.1

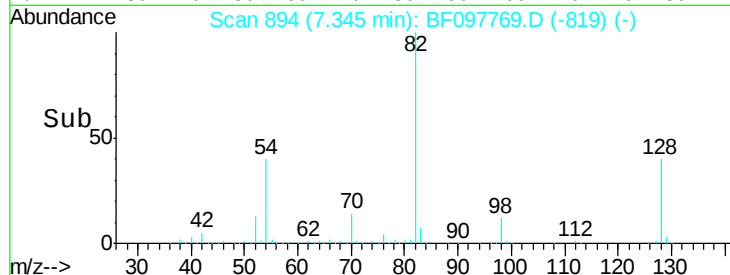
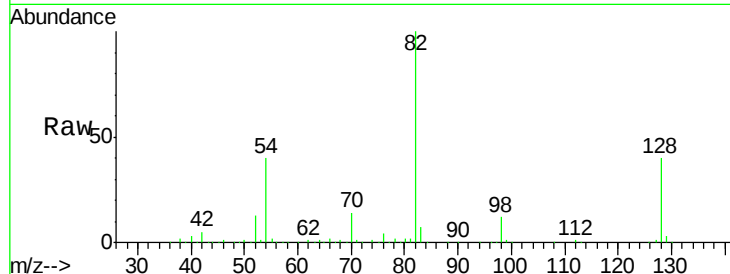
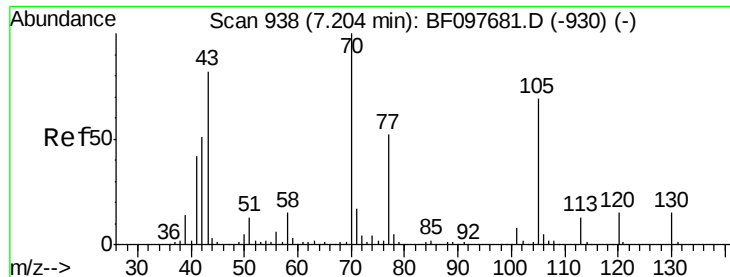


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

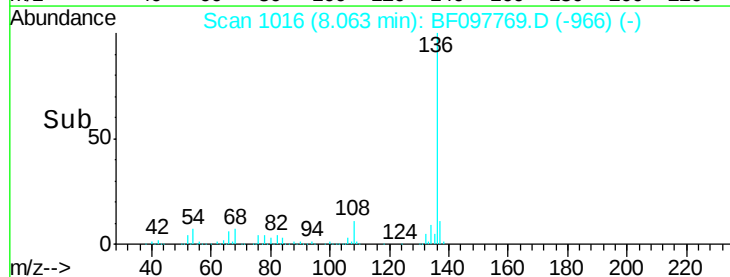
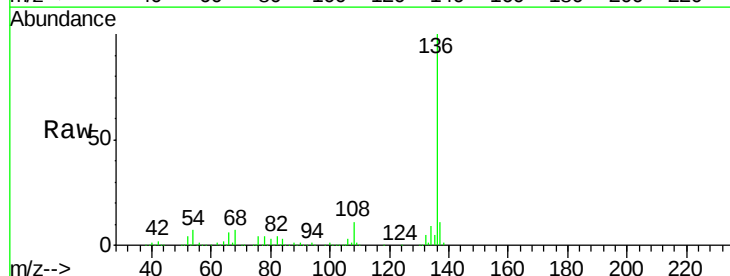
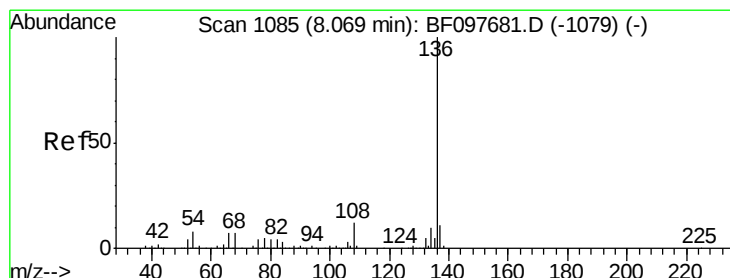
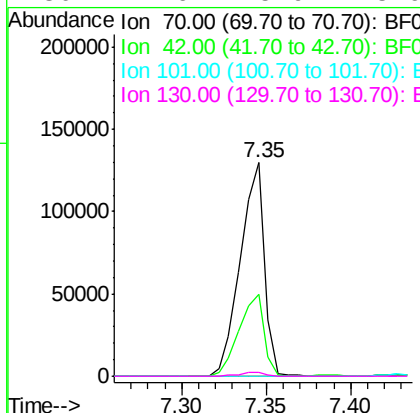




#19
n-Nitroso-di-n-propylamine
Concen: 15.37 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

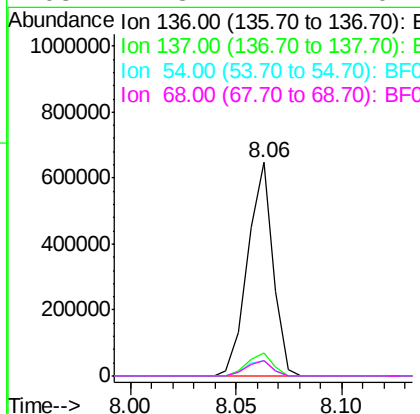
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

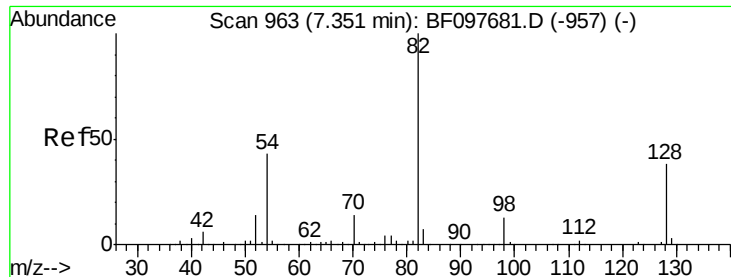
Tot Ion:	70	Resp:	129239
Ion	Ratio	Lower	Upper
70	100		
42	38.1	47.2	70.8#
101	0.0	7.2	10.8#
130	1.6	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

Tgt Ion:	136	Resp:	538140
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.2	4.9	7.3
68	7.3	4.1	6.1#

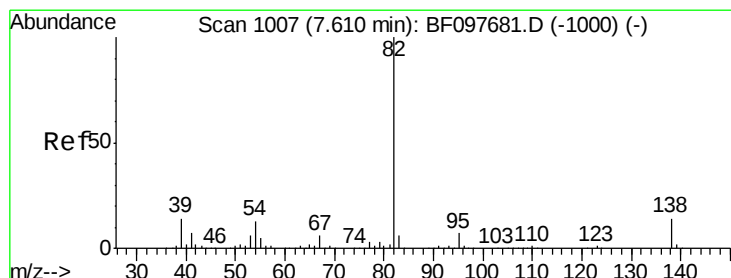
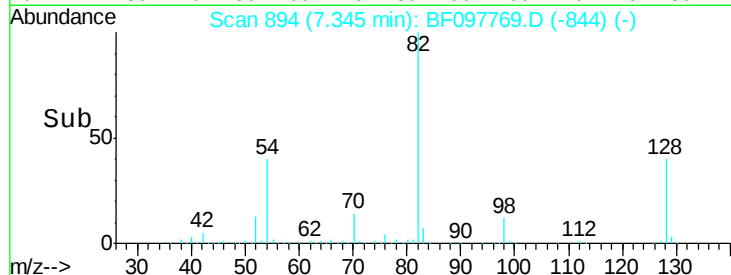
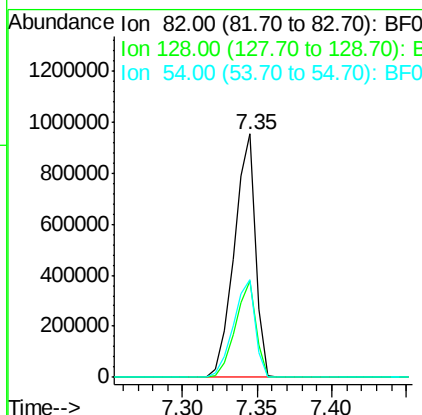
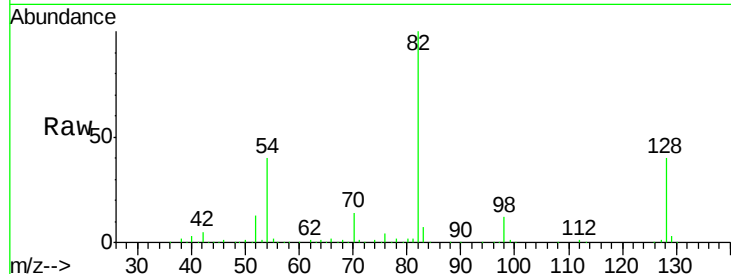




#23
Nitrobenzene-d5
Concen: 96.36 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

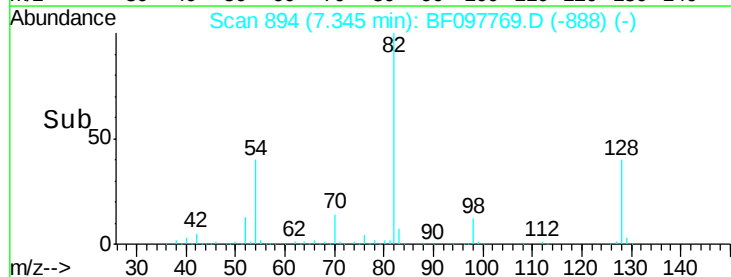
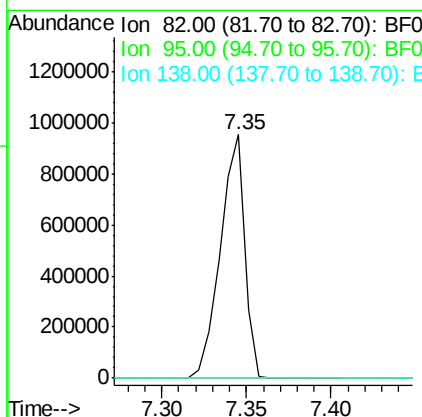
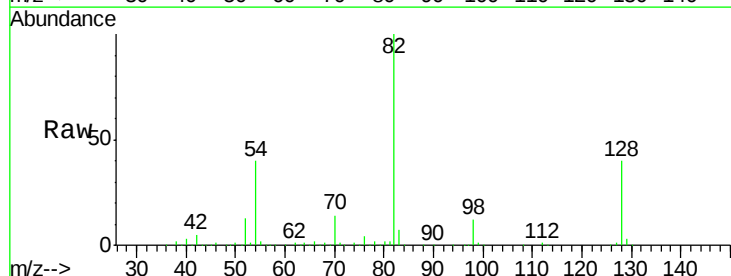
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

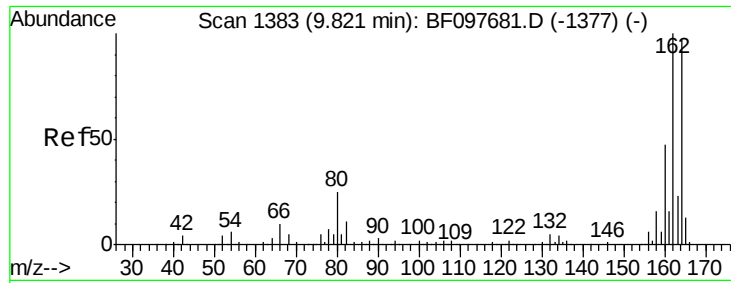
Tot Ion	82	Resp	954578
Ion Ratio	Lower	Upper	
82	100		
128	39.6	34.0	51.0
54	40.2	42.2	63.2#



#25
Isophorone
Concen: 46.20 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.26 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

Tgt Ion	82	Resp	951727
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

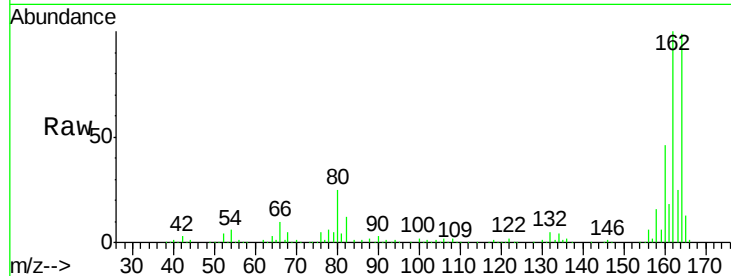




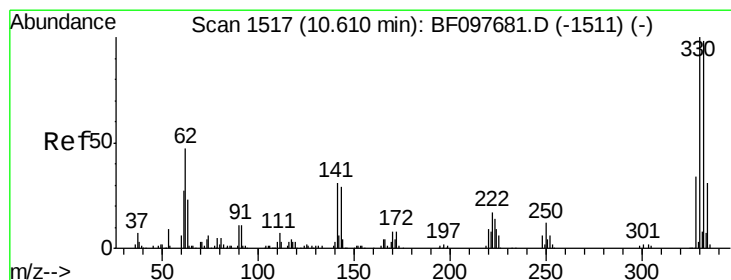
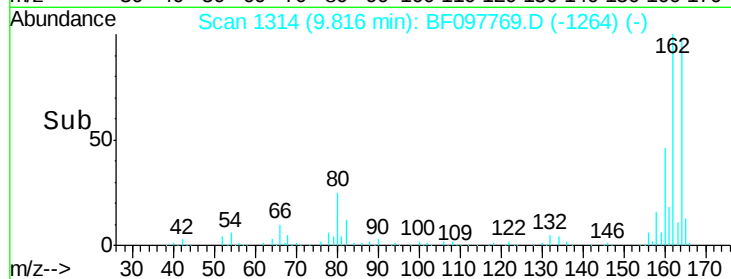
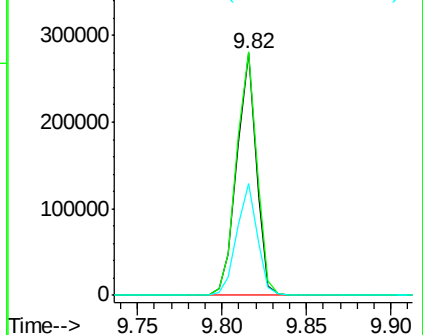
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tot Ion:164 Resp: 225322
Ion Ratio Lower Upper
164 100
162 100.7 82.6 123.8
160 46.2 36.2 54.2

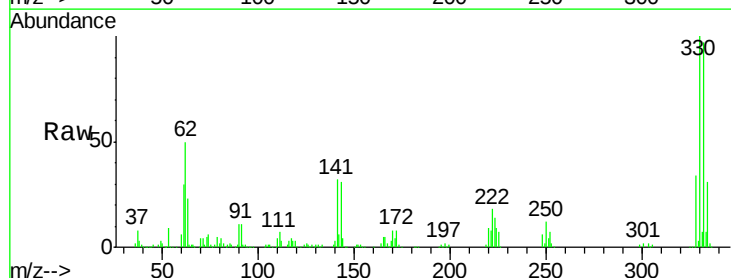


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

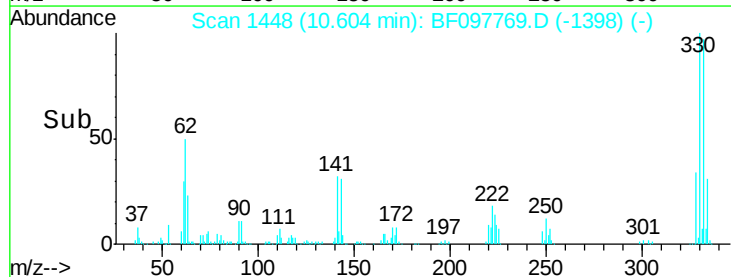
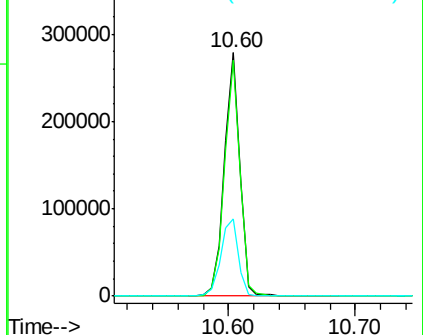


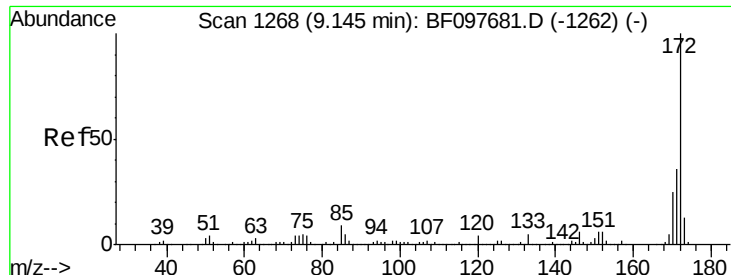
#41
2,4,6-Tribromophenol
Concen: 122.02 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

Tgt Ion:330 Resp: 238556
Ion Ratio Lower Upper
330 100
332 96.4 76.6 115.0
141 36.3 31.4 47.2



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



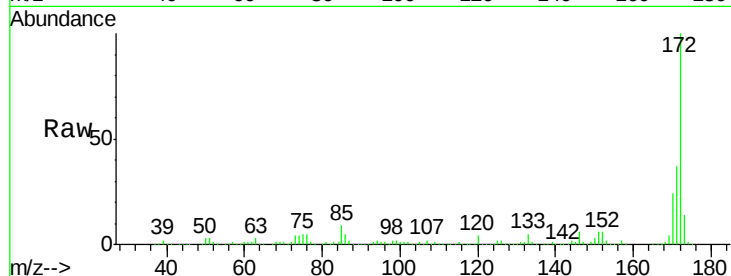


#44
 2-Fluorobiphenyl
 Concen: 92.89 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097769.D
 Acq: 17 Aug 2017 5:55

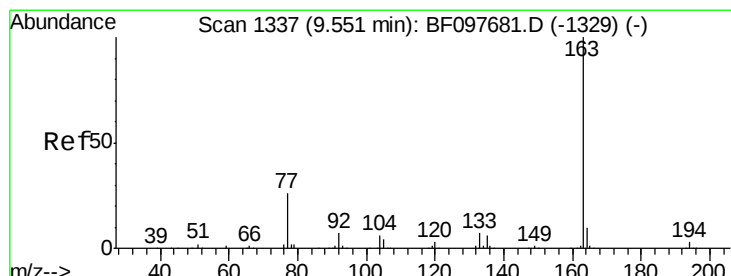
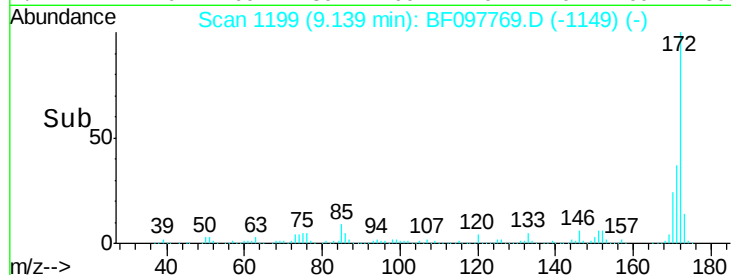
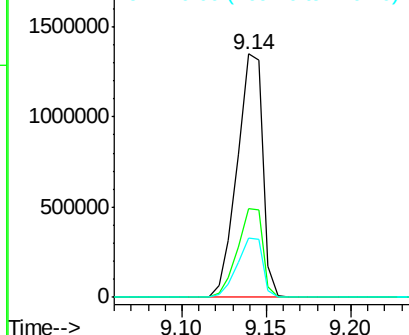
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Tot Ion:172 Resp: 1424600

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.4	19.8	29.8



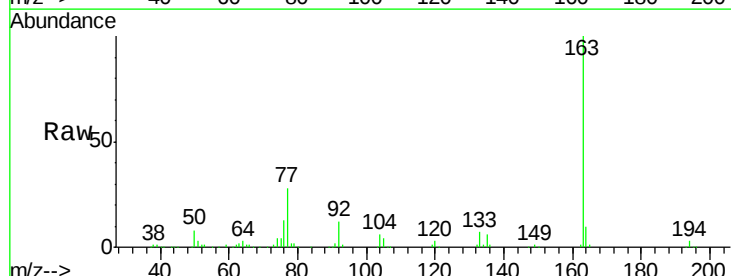
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



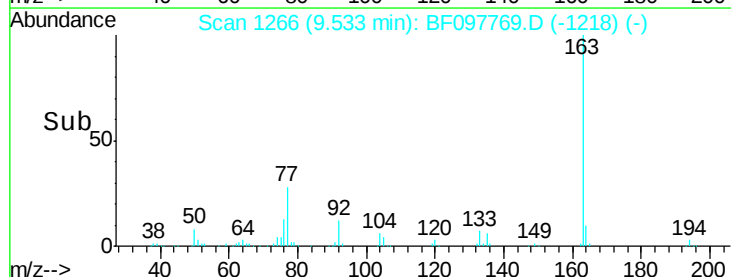
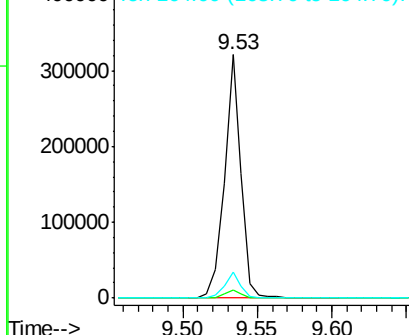
#49
 Dimethylphthalate
 Concen: 15.18 ng
 RT: 9.53 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: BF097769.D
 Acq: 17 Aug 2017 5:55

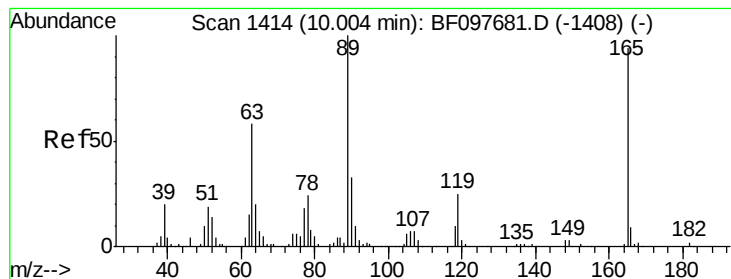
Tgt Ion:163 Resp: 249993

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.5	8.4	12.6



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





#56

2,4-Dinitrotoluene

Concen: 6.93 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BF097769.D

Acq: 17 Aug 2017 5:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

Tot Ion:165 Resp: 28612

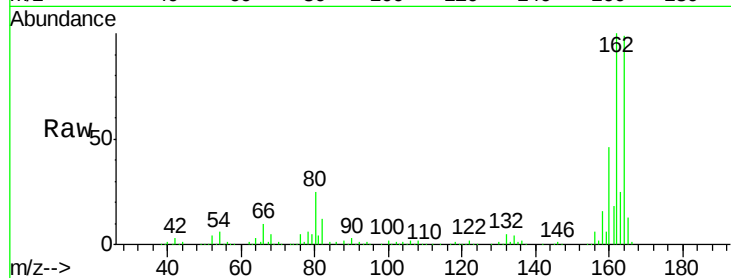
Ion Ratio Lower Upper

165 100

63 2.1 25.4 38.0#

89 2.0 46.4 69.6#

182 0.0 1.8 2.6#

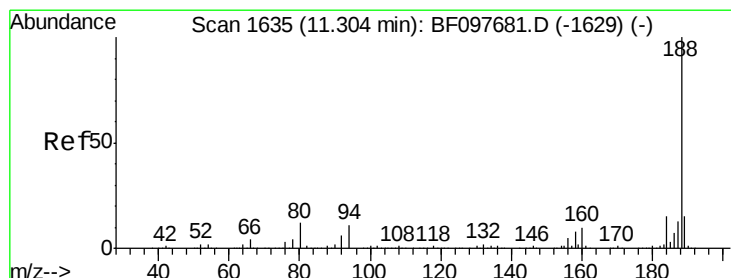
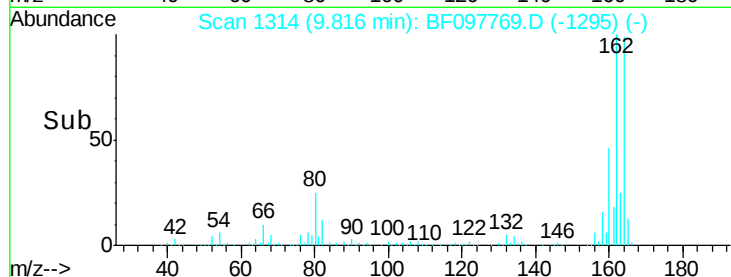
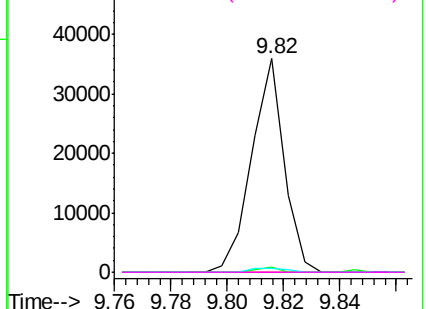


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF097769.D

Acq: 17 Aug 2017 5:55

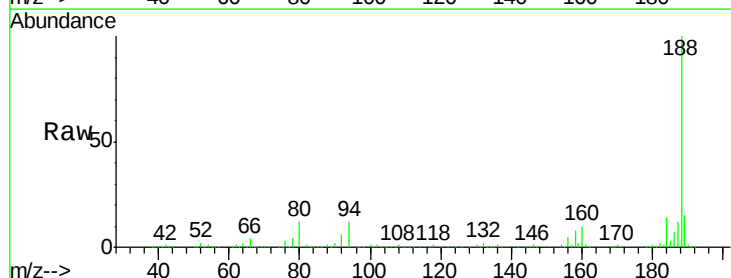
Tgt Ion:188 Resp: 346608

Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

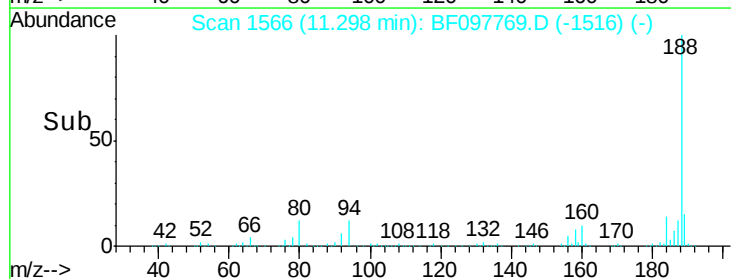
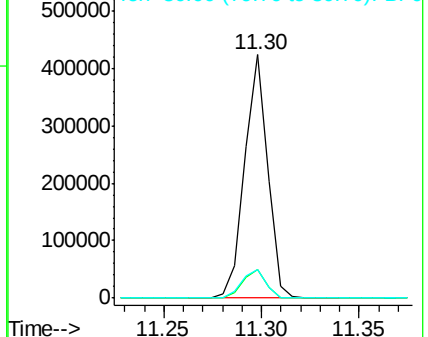
80 11.7 10.2 15.2

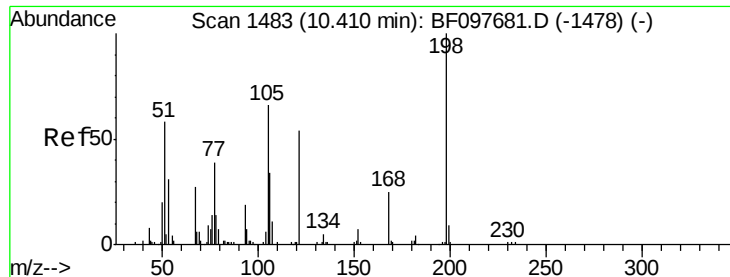


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.60 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.19 min

Lab File: BF097769.D

Acq: 17 Aug 2017 5:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

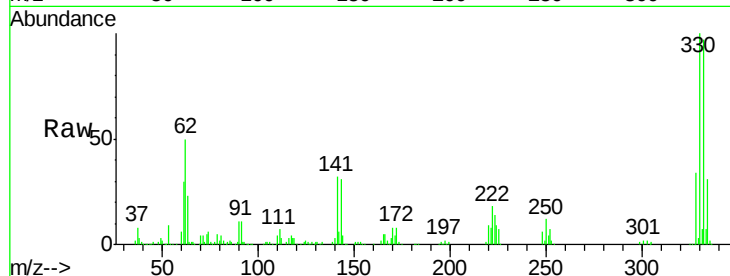
Tot Ion:198 Resp: 558

Ion Ratio Lower Upper

198 100

51 156.3 53.2 93.2#

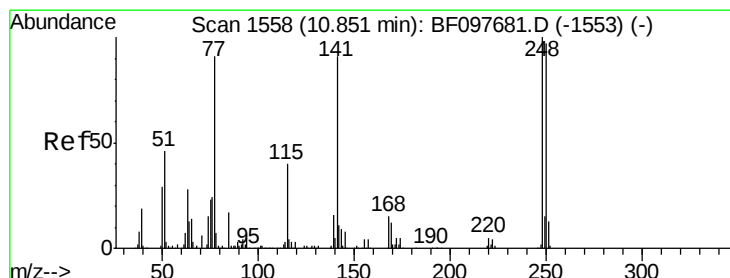
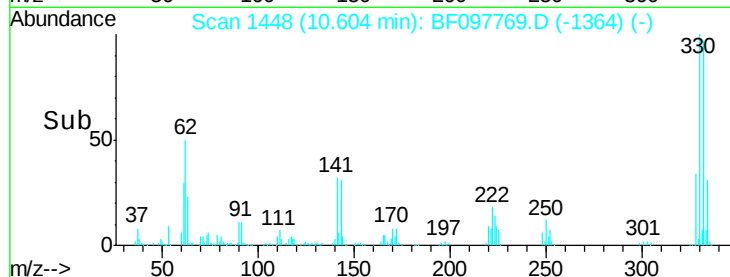
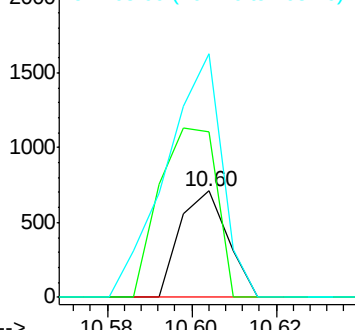
105 229.2 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.42 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.25 min

Lab File: BF097769.D

Acq: 17 Aug 2017 5:55

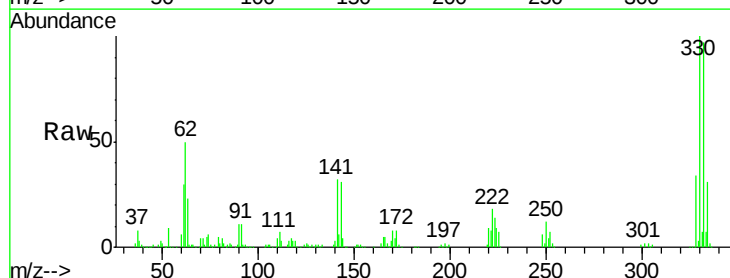
Tgt Ion:248 Resp: 15897

Ion Ratio Lower Upper

248 100

250 191.9 76.8 115.2#

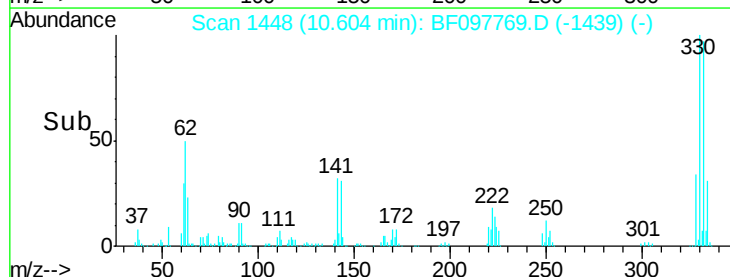
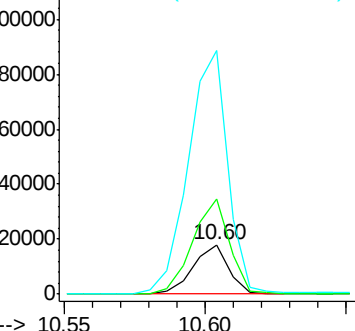
141 494.0 68.6 103.0#

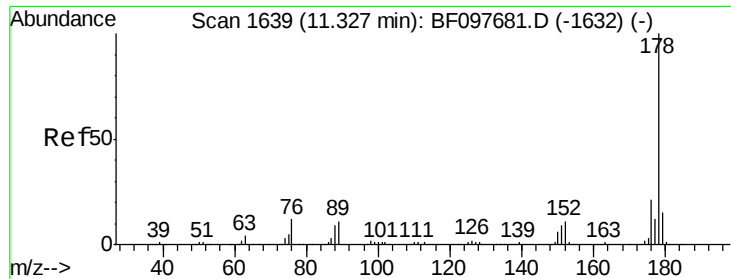


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

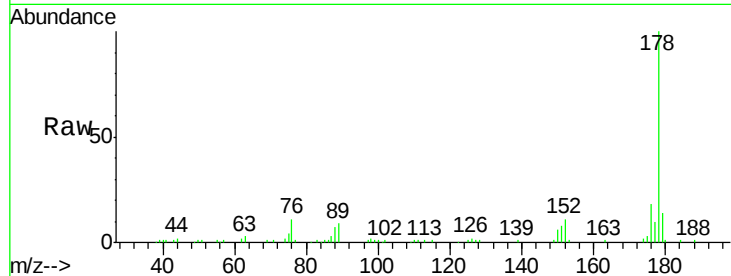




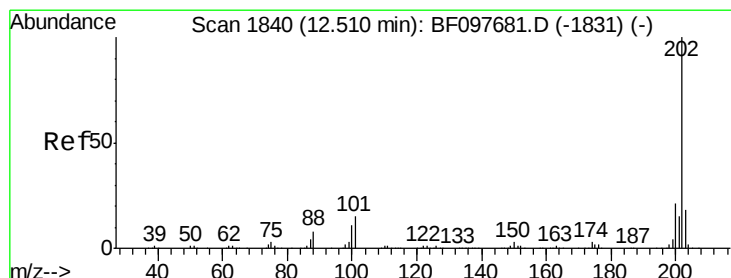
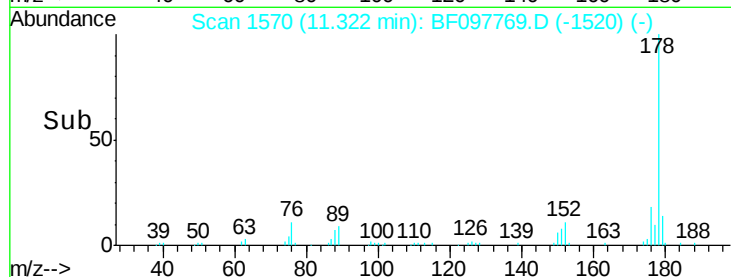
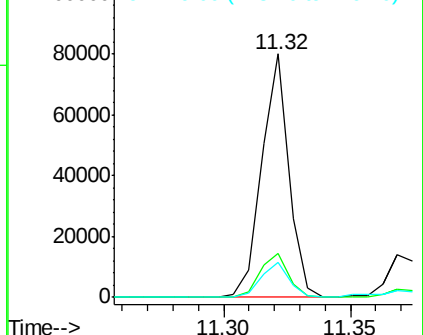
#70
 Phenanthrene
 Concen: 3.24 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF097769.D
 Acq: 17 Aug 2017 5:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Tot Ion:178 Resp: 59846
 Ion Ratio Lower Upper
 178 100
 176 18.1 16.2 24.4
 179 14.5 12.6 19.0

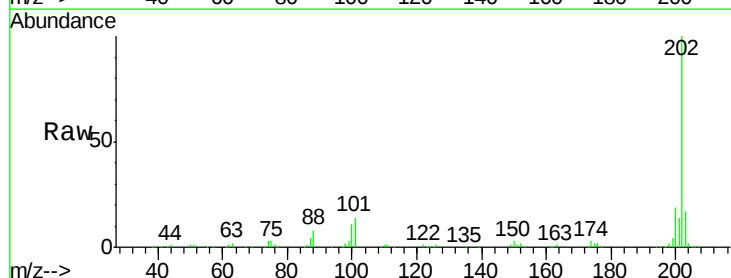


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

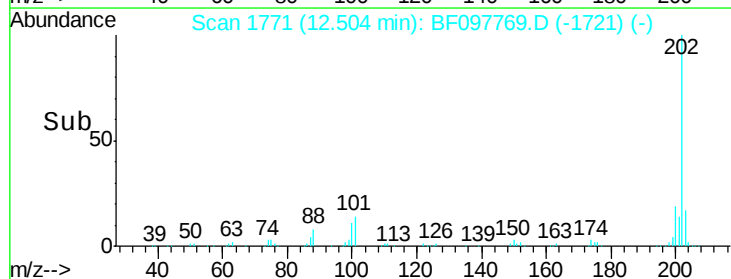
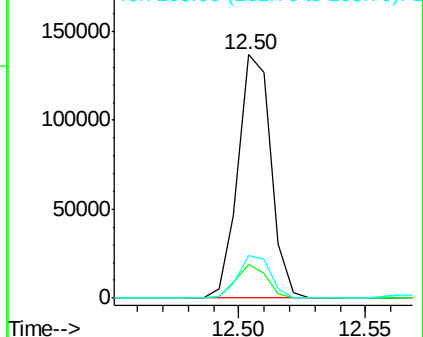


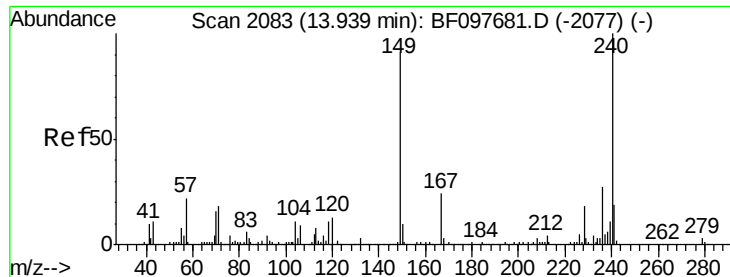
#74
 Fluoranthene
 Concen: 6.41 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF097769.D
 Acq: 17 Aug 2017 5:55

Tgt Ion:202 Resp: 123649
 Ion Ratio Lower Upper
 202 100
 101 14.0 0.0 33.2
 203 17.3 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: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097769.D

Acq: 17 Aug 2017 5:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

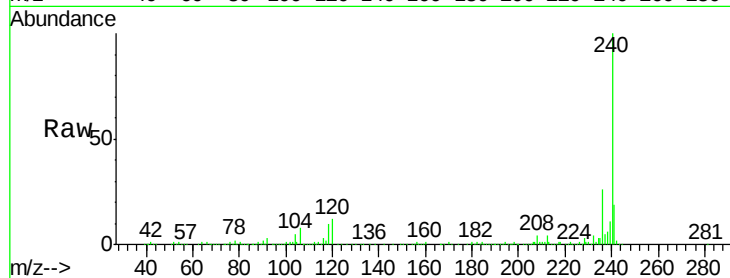
Tot Ion:240 Resp: 258953

Ion Ratio Lower Upper

240 100

120 11.9 5.8 8.8#

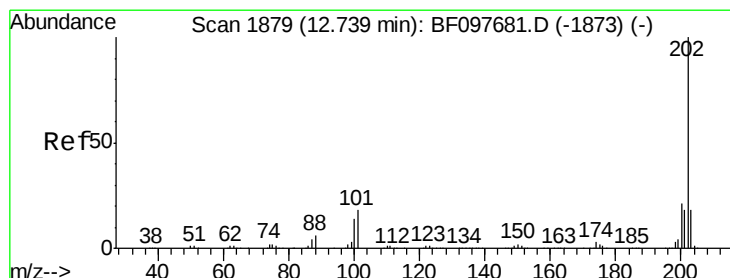
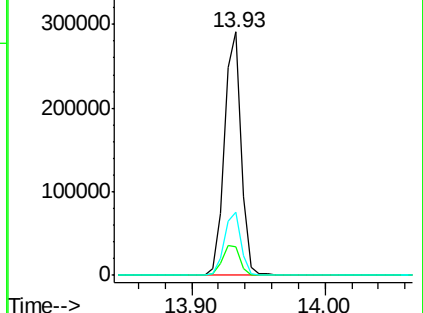
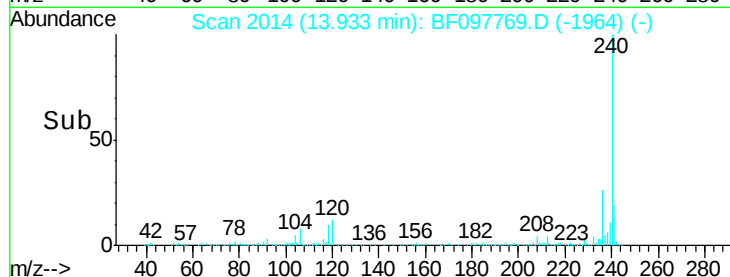
236 25.9 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.64 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097769.D

Acq: 17 Aug 2017 5:55

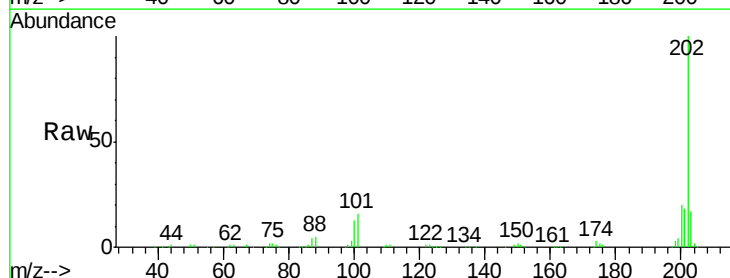
Tgt Ion:202 Resp: 119467

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

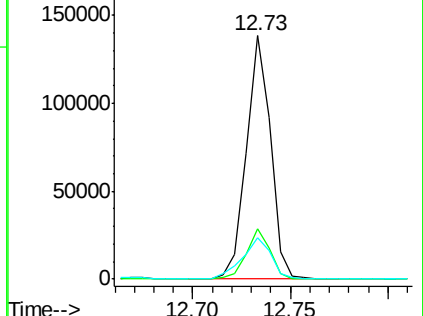
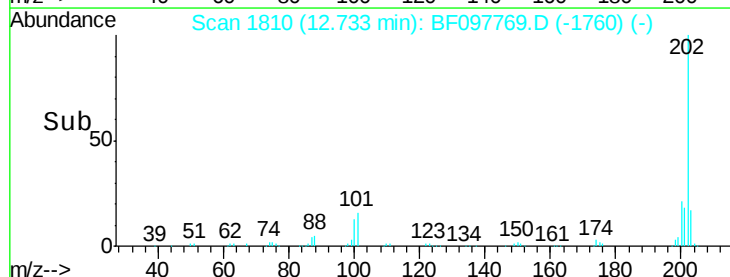
203 17.2 14.4 21.6

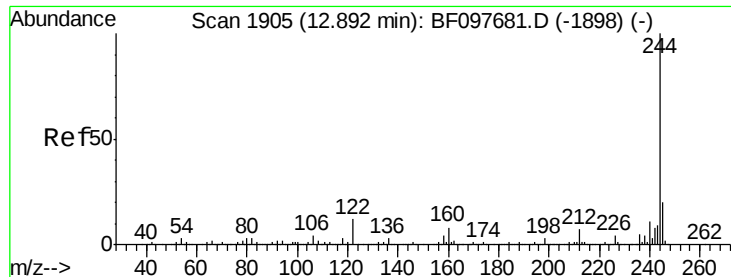


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

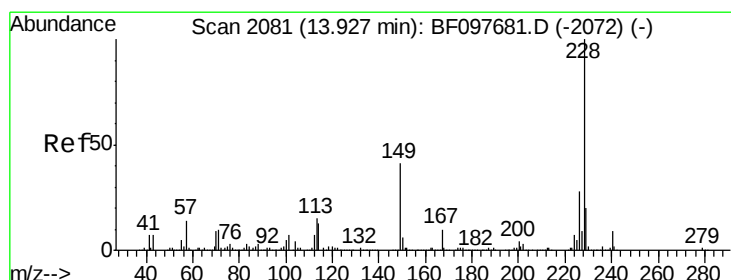
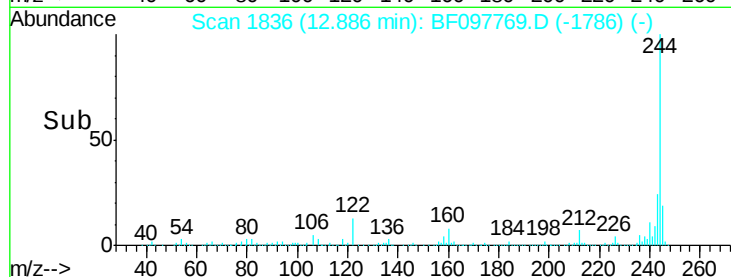
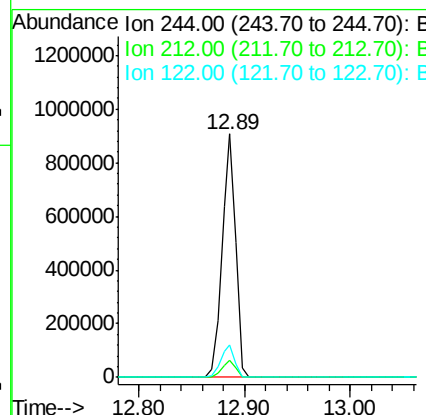
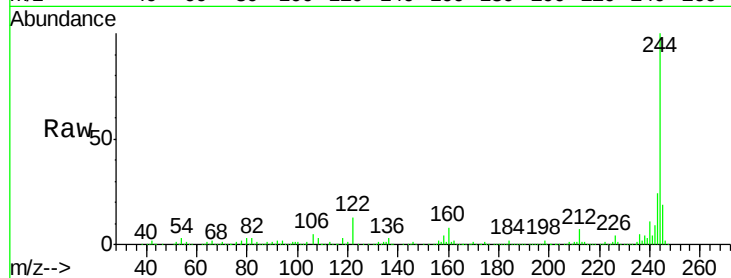




#78
 Terphenyl-d14
 Concen: 66.47 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BF097769.D
 Acq: 17 Aug 2017 5:55

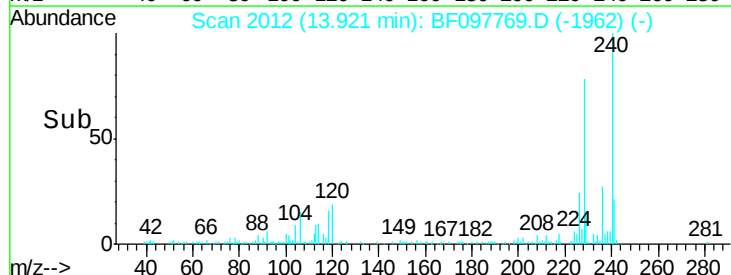
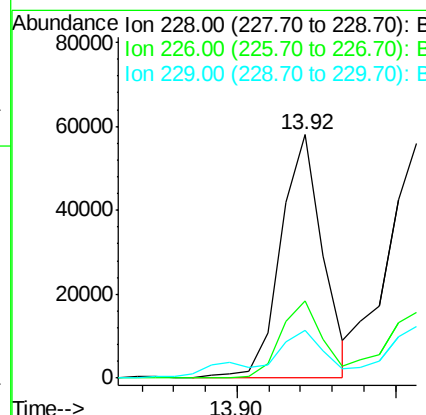
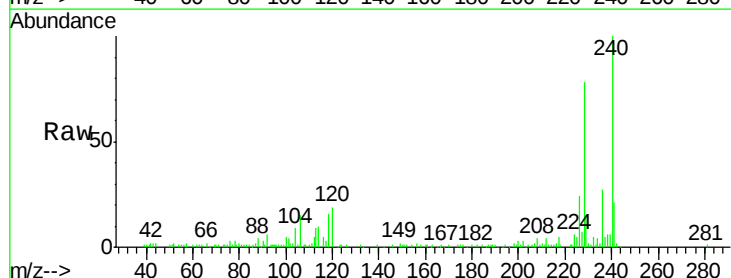
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

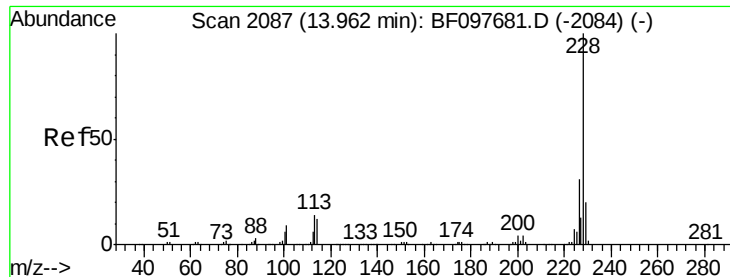
Tot Ion:244 Resp: 825415
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 13.4 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.45 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF097769.D
 Acq: 17 Aug 2017 5:55

Tgt Ion:228 Resp: 53606
 Ion Ratio Lower Upper
 228 100
 226 31.5 22.6 33.8
 229 19.4 16.3 24.5





#82

Chrysene

Concen: 3.58 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097769.D

Acq: 17 Aug 2017 5:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

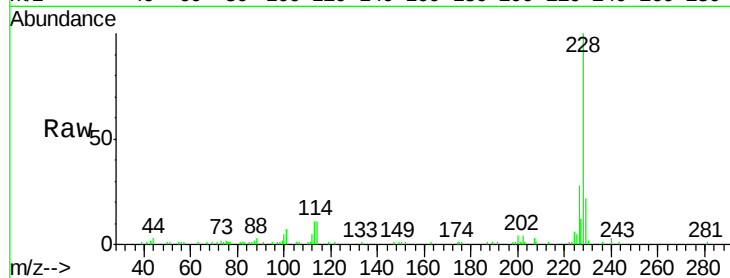
Tot Ion:228 Resp: 55209

Ion Ratio Lower Upper

228 100

226 27.9 24.9 37.3

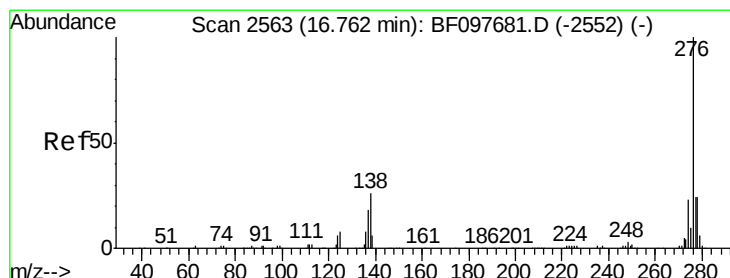
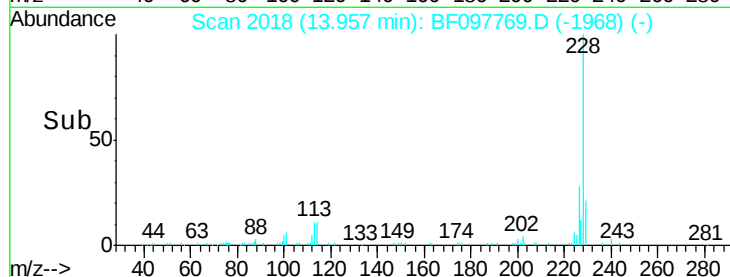
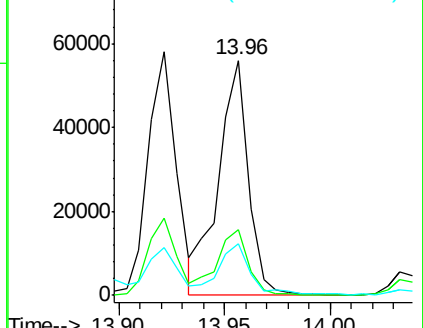
229 21.9 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.29 ng

RT: 16.75 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BF097769.D

Acq: 17 Aug 2017 5:55

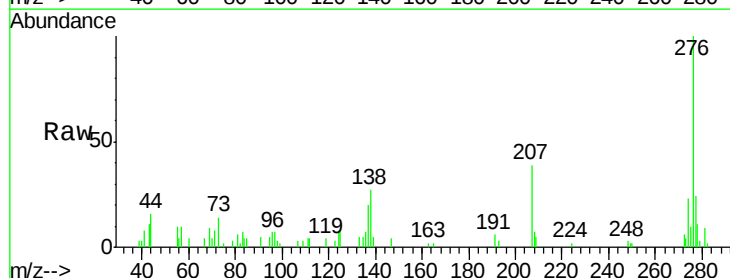
Tgt Ion:276 Resp: 26008

Ion Ratio Lower Upper

276 100

138 27.9 27.8 41.6

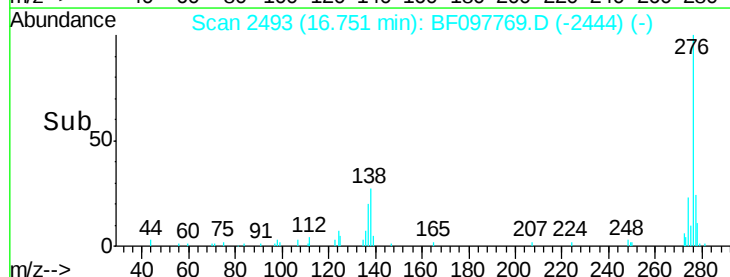
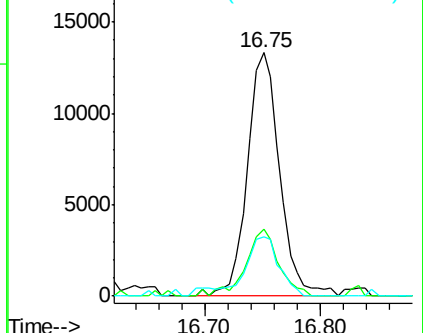
277 24.9 20.2 30.4

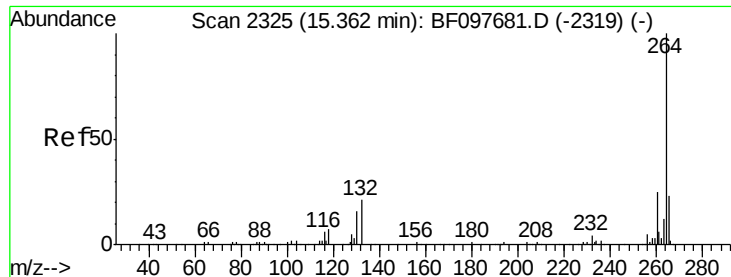


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

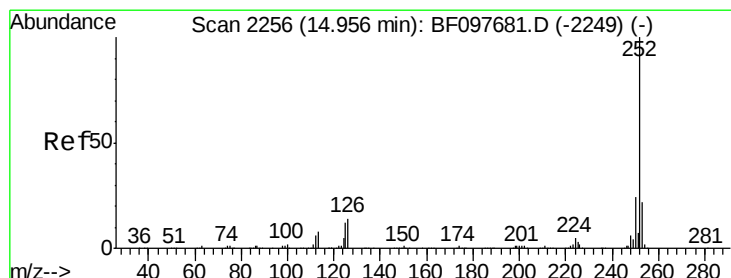
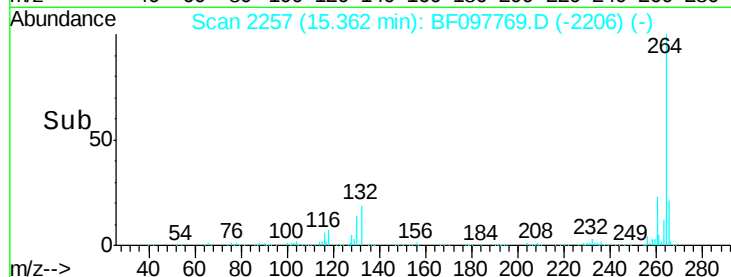
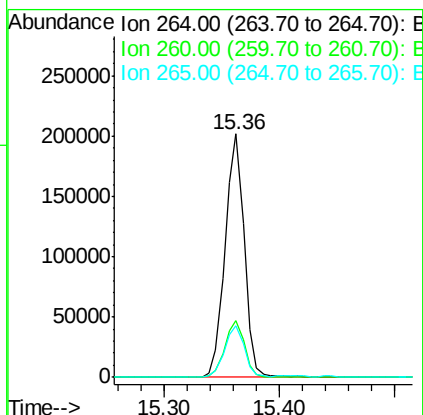
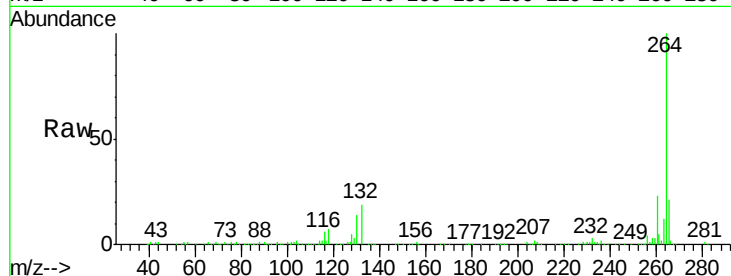




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

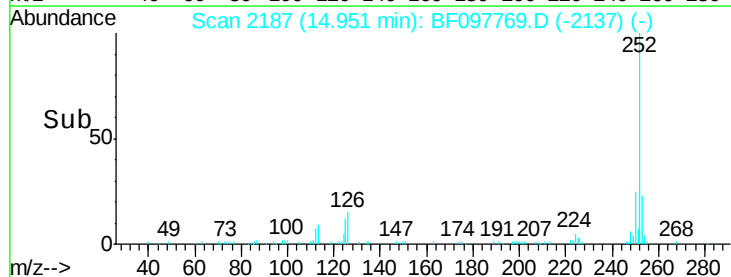
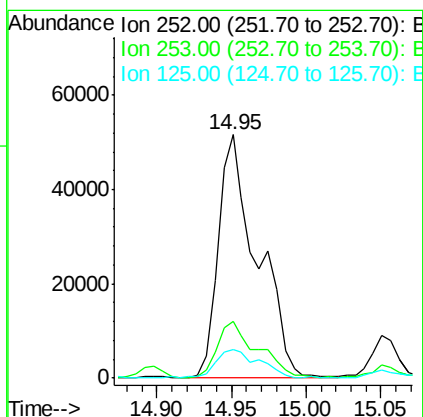
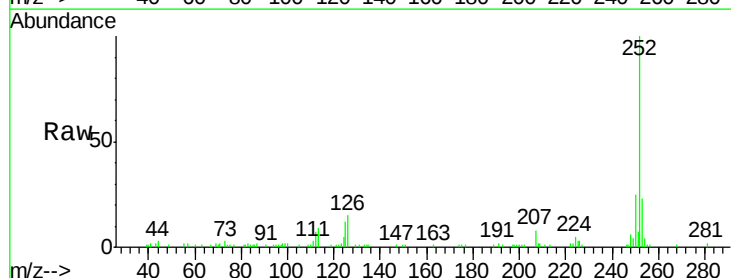
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

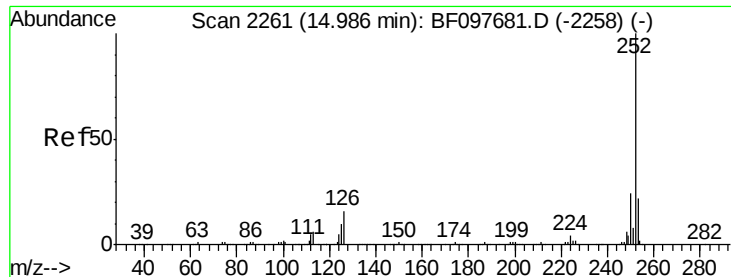
Tot Ion:264 Resp: 232426
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 21.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.41 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

Tgt Ion:252 Resp: 93917
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 11.7 9.8 14.8

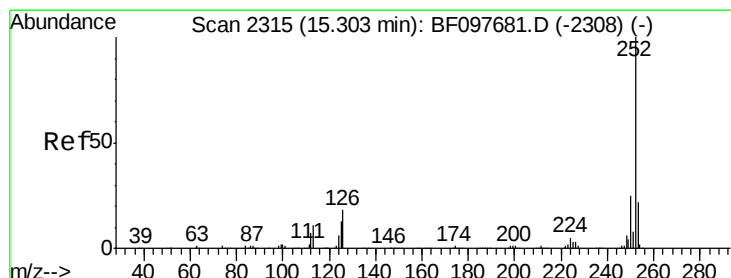
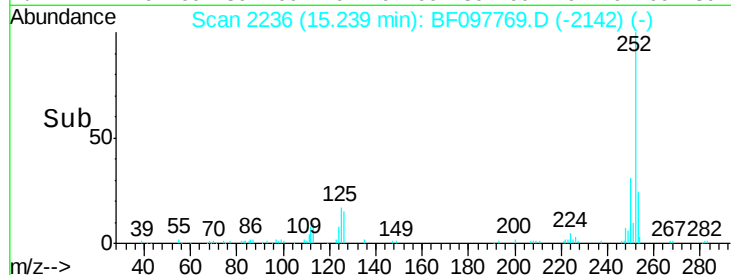
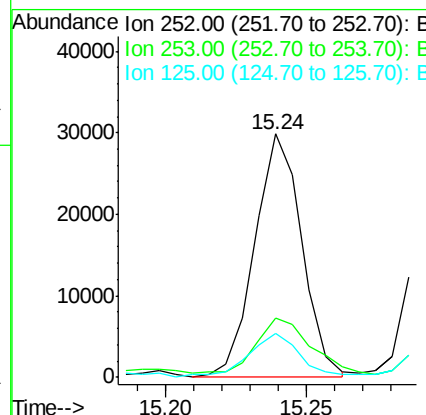
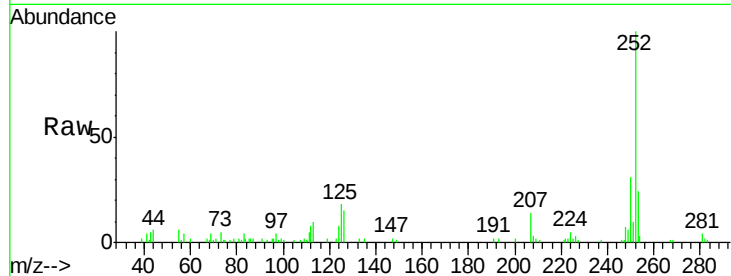




#88
Benzo(k)fluoranthene
Concen: 2.50 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.25 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

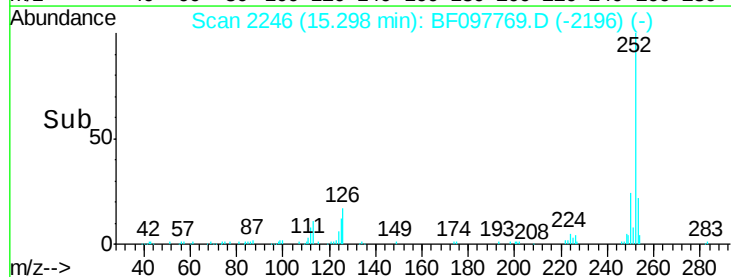
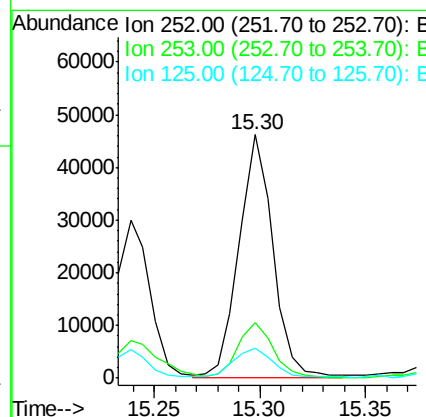
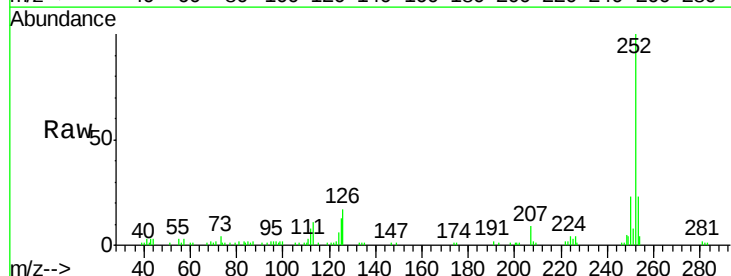
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

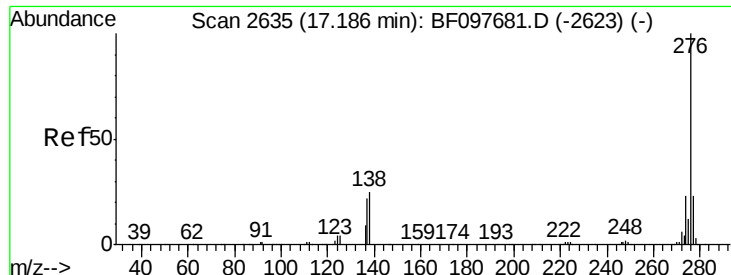
Tot Ion:252 Resp: 34458
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 18.1 13.1 19.7



#89
Benzo(a)pyrene
Concen: 4.01 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097769.D
Acq: 17 Aug 2017 5:55

Tgt Ion:252 Resp: 51944
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 12.5 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 2.20 ng

RT: 17.17 min Scan# 2564

Delta R.T. -0.02 min

Lab File: BF097769.D

Acq: 17 Aug 2017 5:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

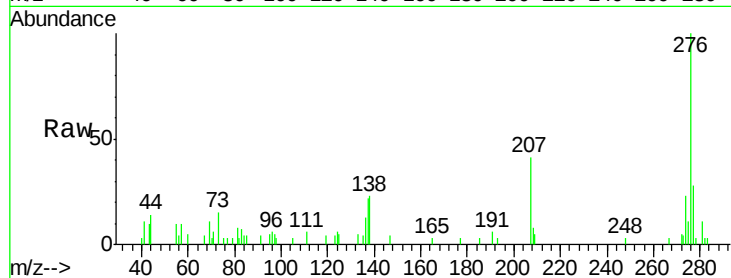
Tot Ion: 276 Resp: 24249

Ion Ratio Lower Upper

276 100

277 27.9 18.6 28.0

138 22.8 25.4 38.0#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

