

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097772.D
 Acq On : 17 Aug 2017 7:18
 Operator : SJ/JU
 Sample : I4791-06
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22-COMP

Quant Time: Aug 17 08:01:37 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	150897	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	572578	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	229992	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	339913	20.00	ng	0.00
75) Chrysene-d12	13.93	240	288622	20.00	ng	0.00
86) Perylene-d12	15.36	264	246046	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1317676	132.82	ng	0.01
7) Phenol-d6	6.42	99	1779485	132.02	ng	0.00
23) Nitrobenzene-d5	7.35	82	1073005	101.80	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	244425	122.48	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1477848	94.41	ng	0.00
78) Terphenyl-d14	12.89	244	852297	61.58	ng	0.00

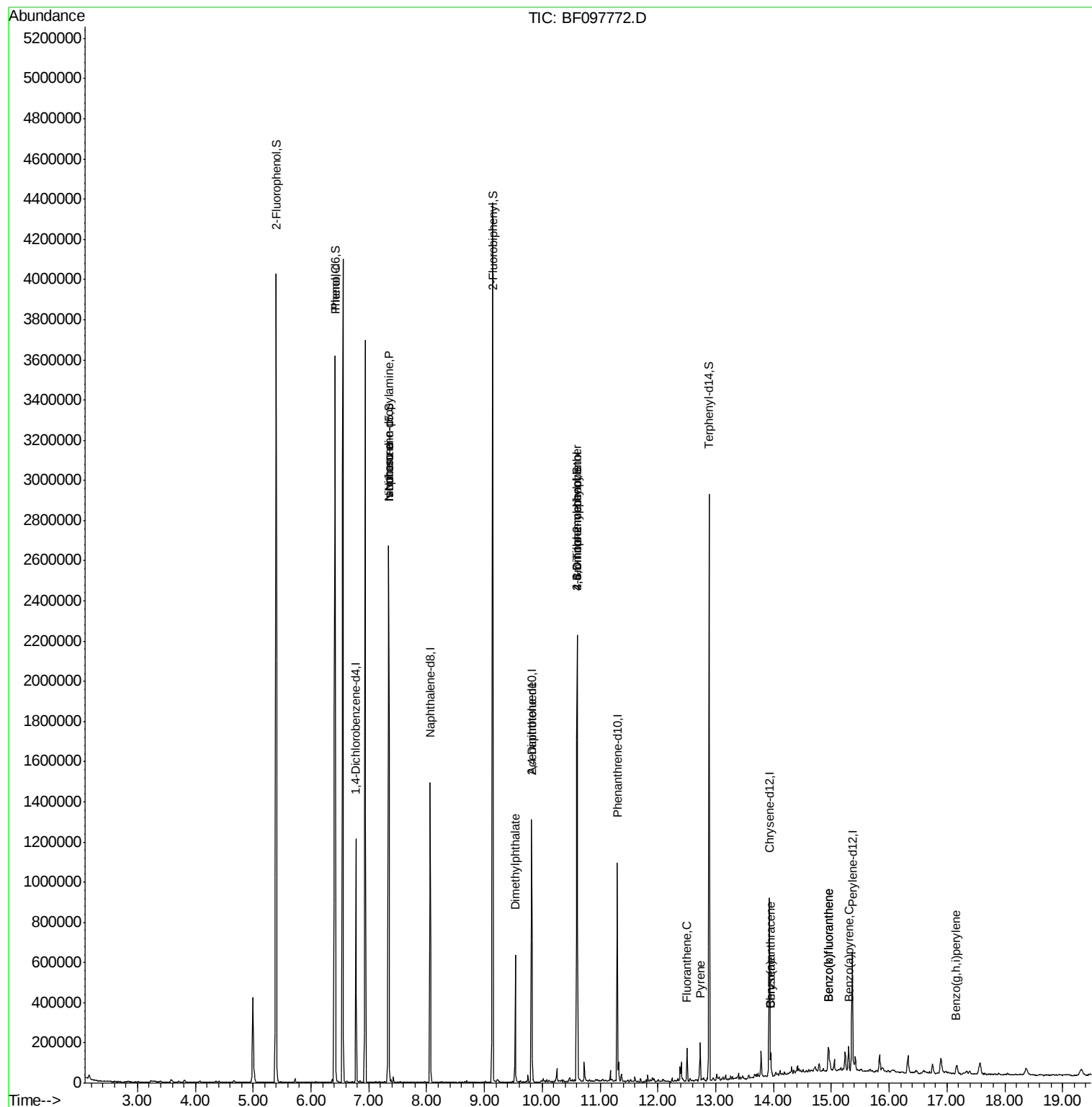
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.43	94	50851	3.23	ng	92
19) n-Nitroso-di-n-propylamine	7.35	70	144281	15.64	ng	# 71
25) Isophorone	7.35	82	1070256	48.83	ng	# 67
49) Dimethylphthalate	9.53	163	208954	12.43	ng	99
56) 2,4-Dinitrotoluene	9.82	165	29170	6.93	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.60	198	608	8.63	ng	# 5
66) 4-Bromophenyl-phenylether	10.60	248	16246	4.60	ng	# 1
74) Fluoranthene	12.50	202	57962	3.07	ng	96
77) Pyrene	12.73	202	68157	2.89	ng	97
80) Benzo(a)anthracene	13.96	228	42594	2.46	ng	97
82) Chrysene	13.96	228	42594	2.48	ng	95
87) Benzo(b)fluoranthene	14.95	252	84083	5.42	ng	99
88) Benzo(k)fluoranthene	14.95	252	84083	5.77	ng	96
89) Benzo(a)pyrene	15.30	252	50010	3.64	ng	98
91) Benzo(a,h,i)perylene	17.17	276	37725	3.23	ng	95

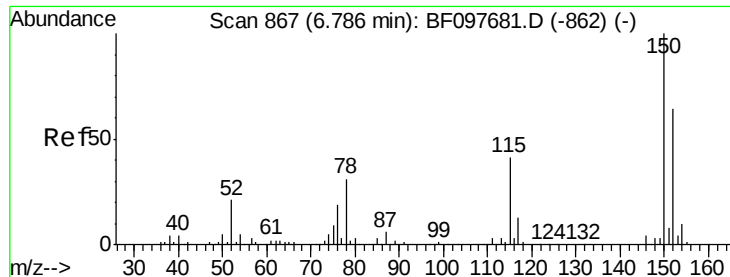
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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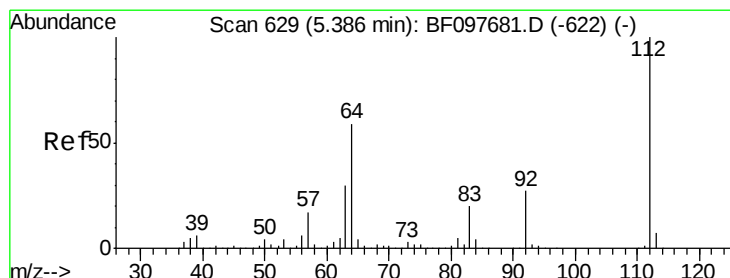
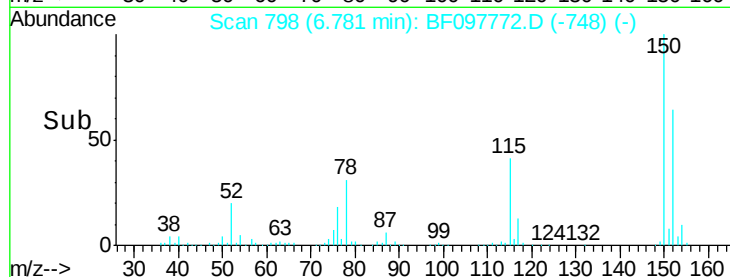
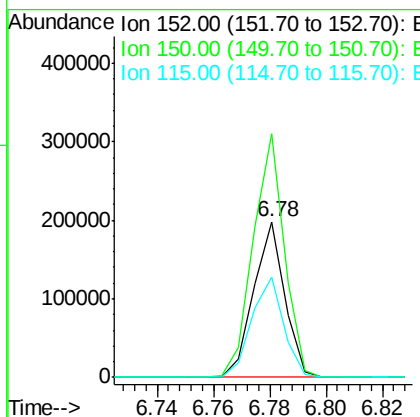
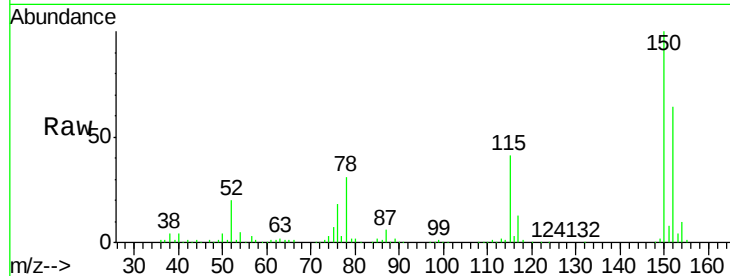


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097772.D
 Acq: 17 Aug 2017 7:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-22-COMP

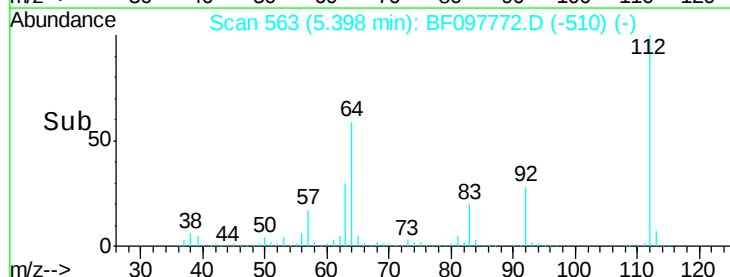
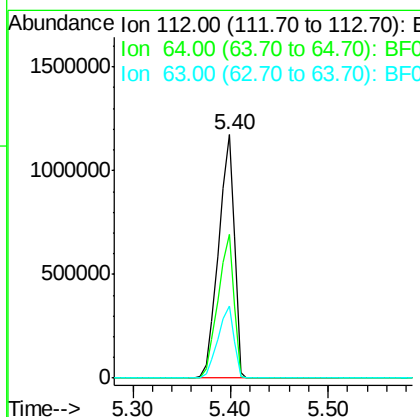
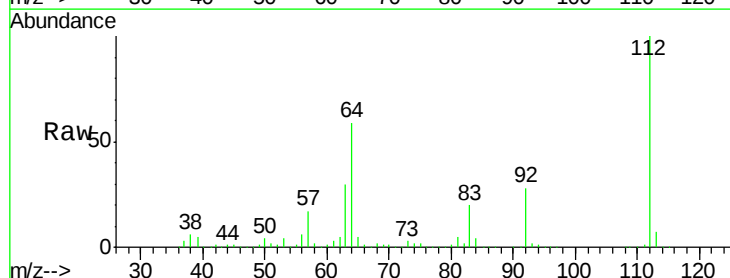
Tot Ion:152 Resp: 150897
 Ion Ratio Lower Upper
 152 100
 150 156.4 126.2 189.2
 115 64.4 52.2 78.2

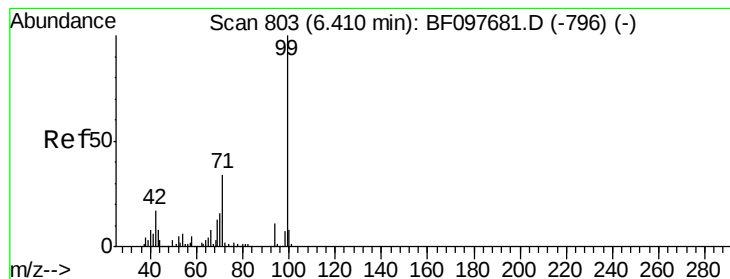


#5

2-Fluorophenol
 Concen: 132.82 ng
 RT: 5.40 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: BF097772.D
 Acq: 17 Aug 2017 7:18

Tgt Ion:112 Resp: 1317676
 Ion Ratio Lower Upper
 112 100
 64 59.2 46.0 69.0
 63 29.7 23.4 35.0





#7

Phenol-d6

Concen: 132.02 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097772.D

Acq: 17 Aug 2017 7:18

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

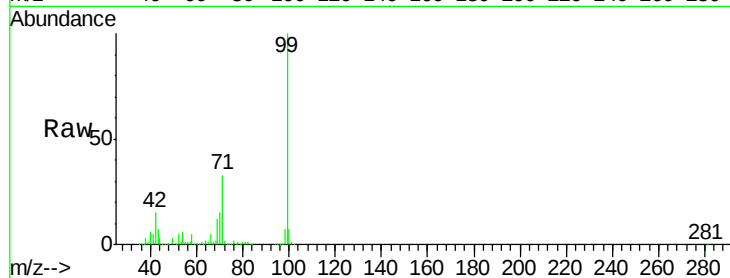
Tot Ion: 99 Resp: 1779485

Ion Ratio Lower Upper

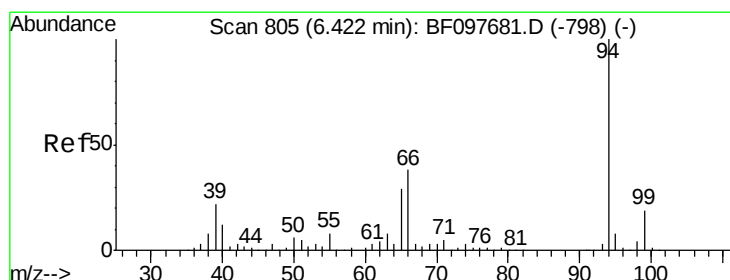
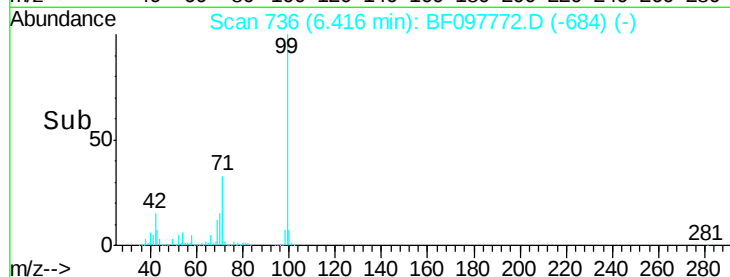
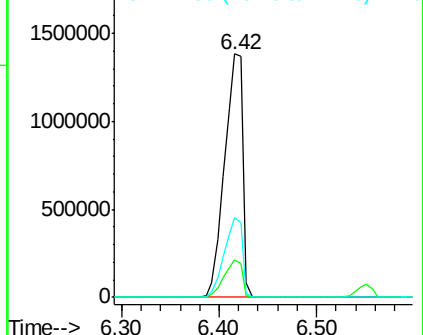
99 100

42 15.3 13.5 20.3

71 32.8 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: 3.23 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF097772.D

Acq: 17 Aug 2017 7:18

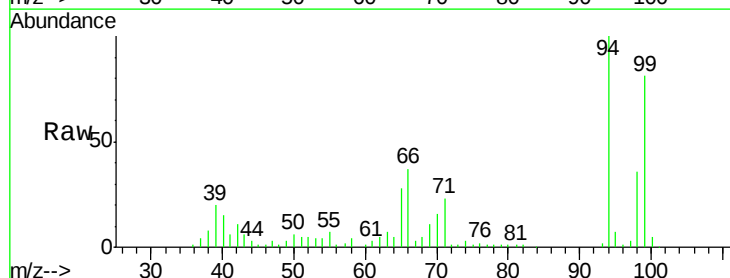
Tgt Ion: 94 Resp: 50851

Ion Ratio Lower Upper

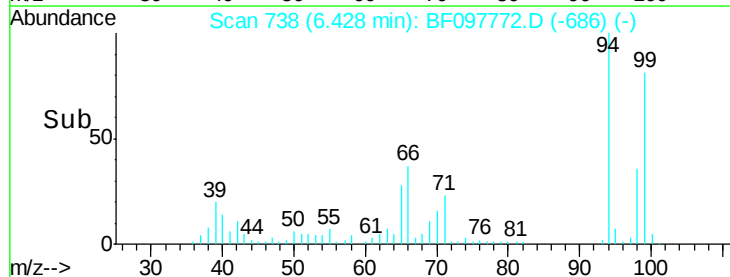
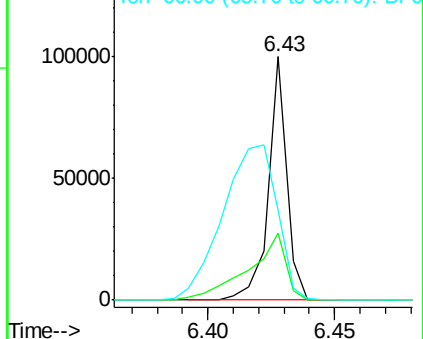
94 100

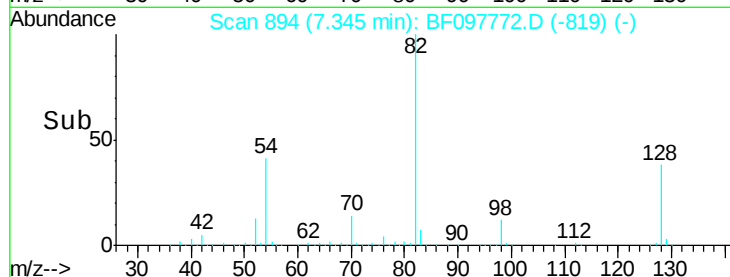
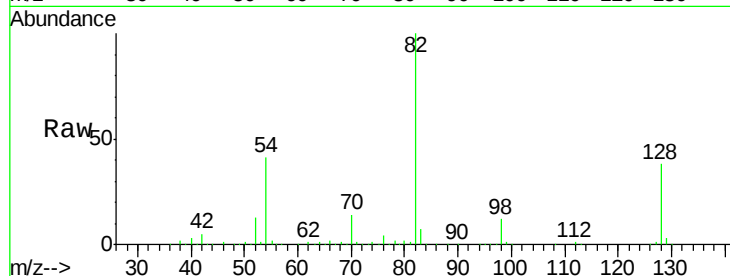
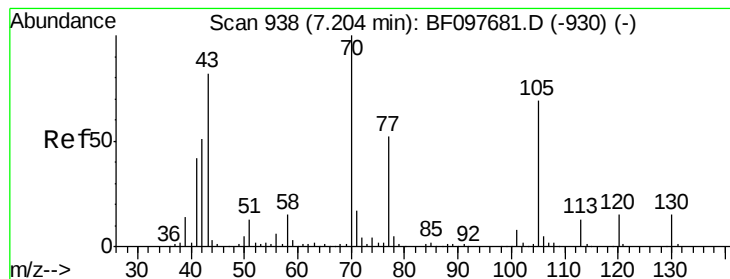
65 27.7 9.9 49.9

66 36.7 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: 15.64 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF097772.D

Acq: 17 Aug 2017 7:18

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

Tot Ion: 70 Resp: 144281

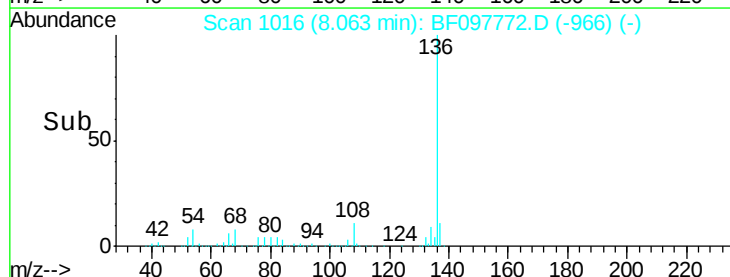
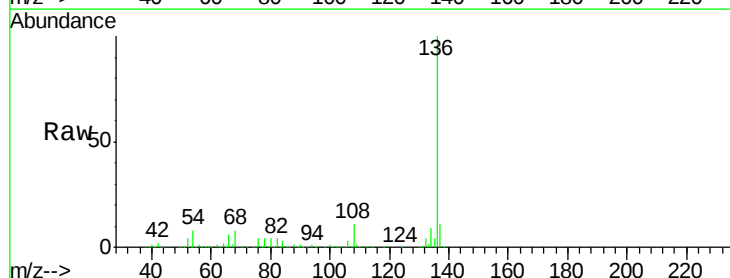
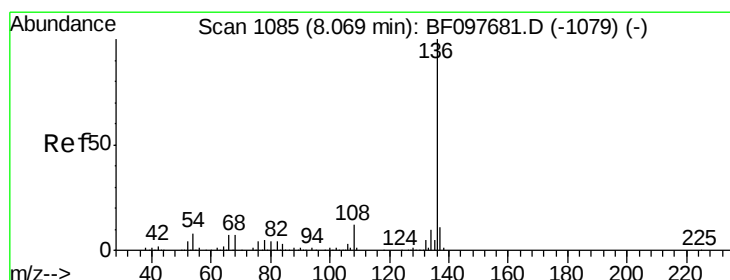
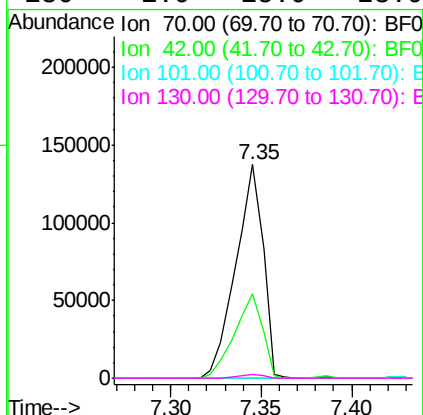
Ion Ratio Lower Upper

70 100

42 39.8 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 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: BF097772.D

Acq: 17 Aug 2017 7:18

Tgt Ion: 136 Resp: 572578

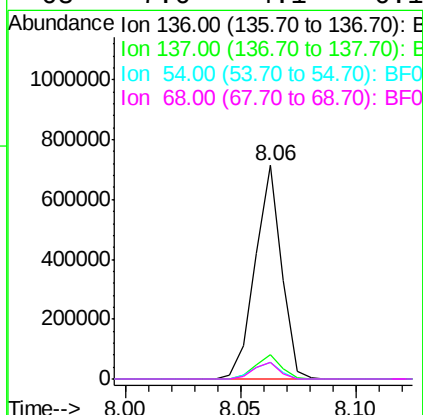
Ion Ratio Lower Upper

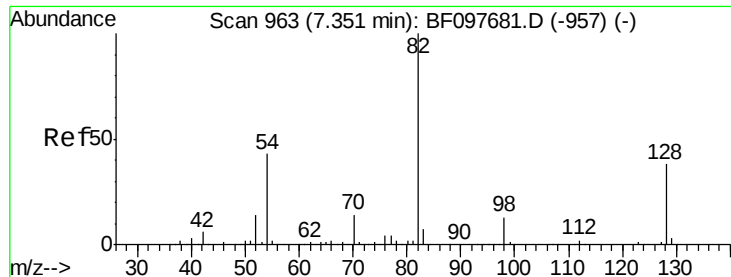
136 100

137 11.4 8.5 12.7

54 7.6 4.9 7.3#

68 7.6 4.1 6.1#

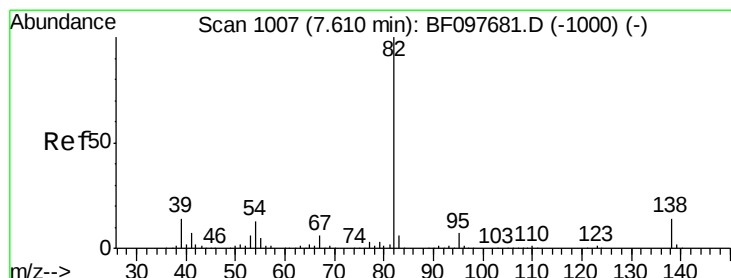
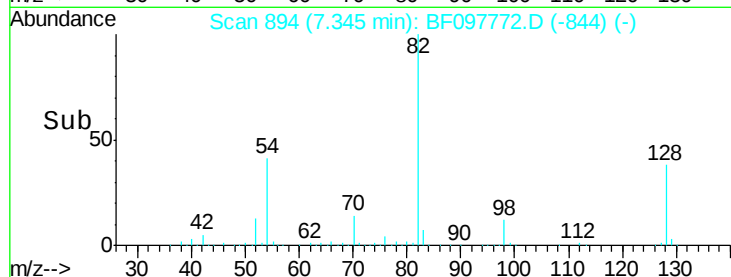
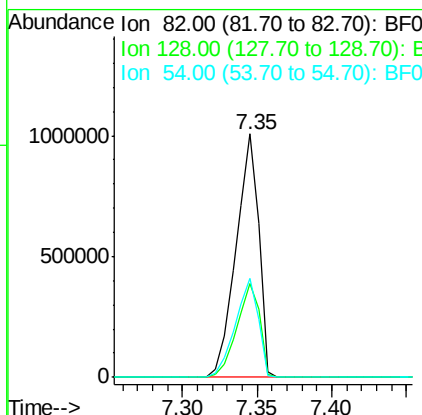
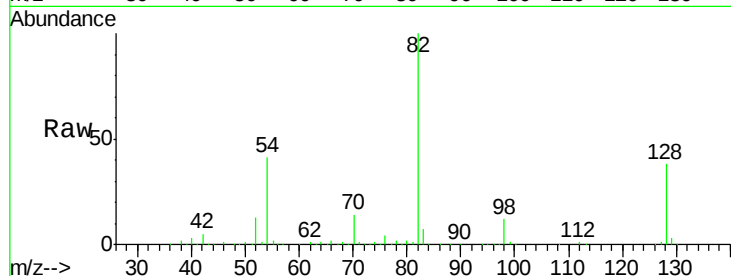




#23
 Nitrobenzene-d5
 Concen: 101.80 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF097772.D
 Acq: 17 Aug 2017 7:18

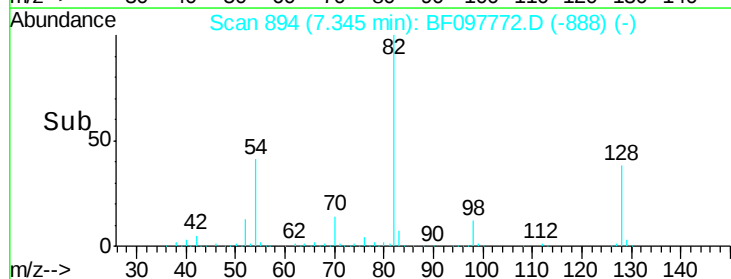
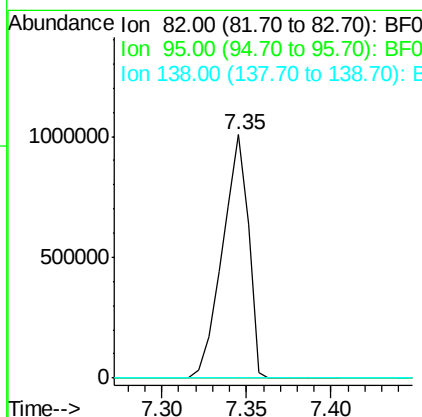
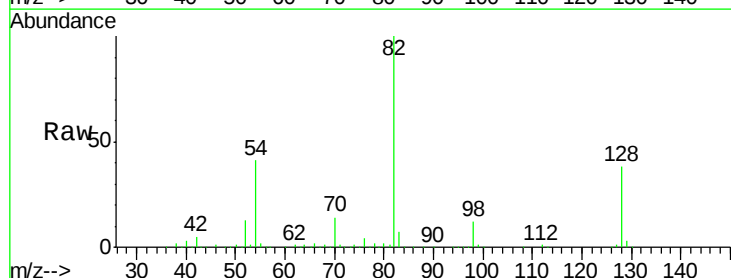
Instrument :
 BNA_F
 ClientSampleId :
 SB-22-COMP

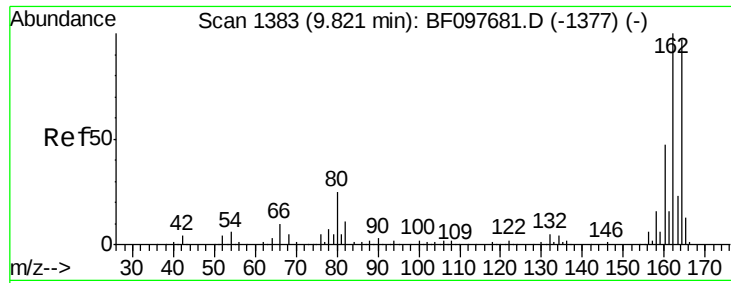
Tot Ion: 82 Resp: 1073005
 Ion Ratio Lower Upper
 82 100
 128 38.5 34.0 51.0
 54 40.9 42.2 63.2#



#25
 Isophorone
 Concen: 48.83 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BF097772.D
 Acq: 17 Aug 2017 7:18

Tgt Ion: 82 Resp: 1070256
 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: BF097772.D

Acq: 17 Aug 2017 7:18

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

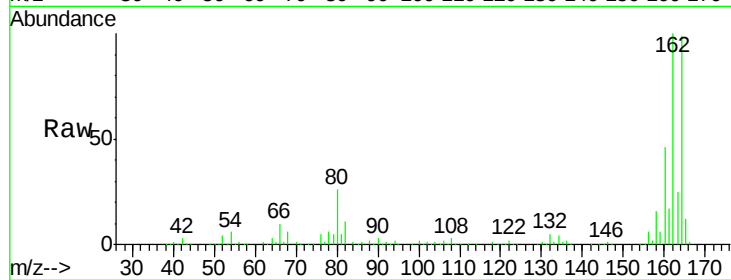
Tot Ion:164 Resp: 229992

Ion Ratio Lower Upper

164 100

162 100.5 82.6 123.8

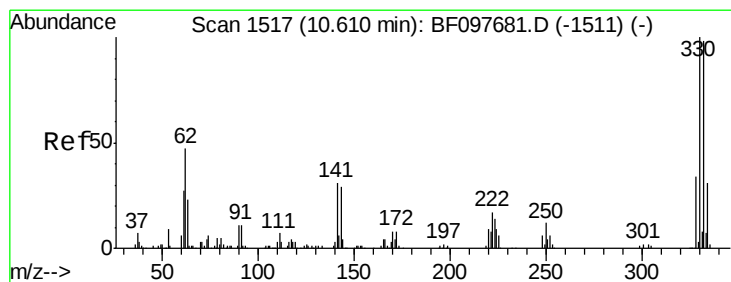
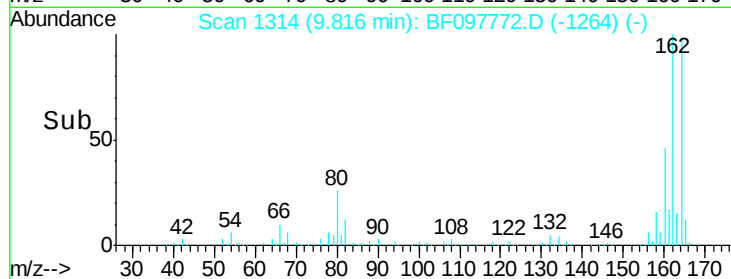
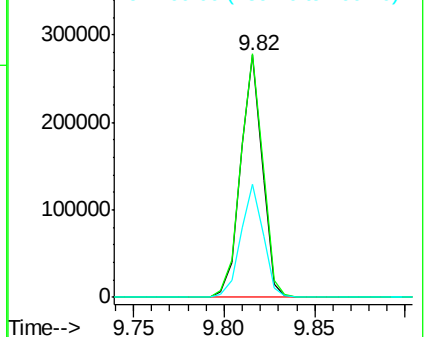
160 46.6 36.2 54.2



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: 122.48 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF097772.D

Acq: 17 Aug 2017 7:18

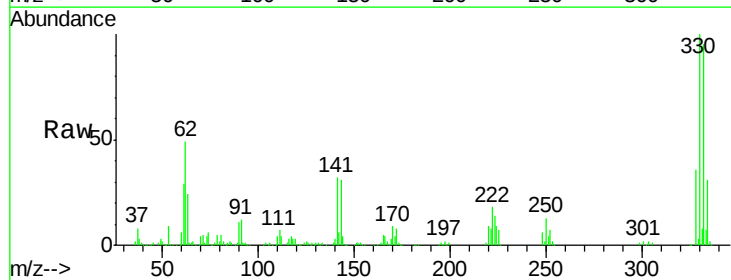
Tgt Ion:330 Resp: 244425

Ion Ratio Lower Upper

330 100

332 94.4 76.6 115.0

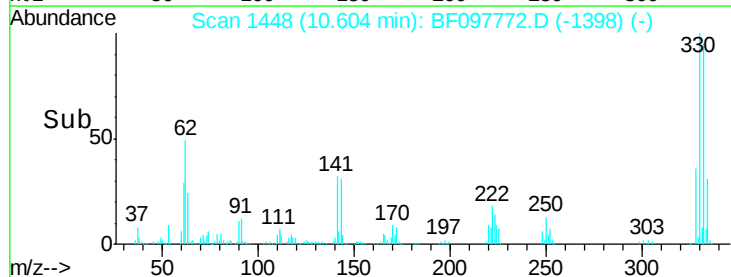
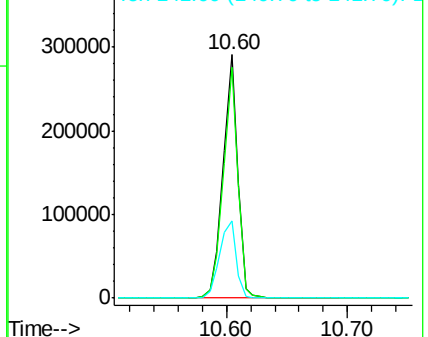
141 35.8 31.4 47.2

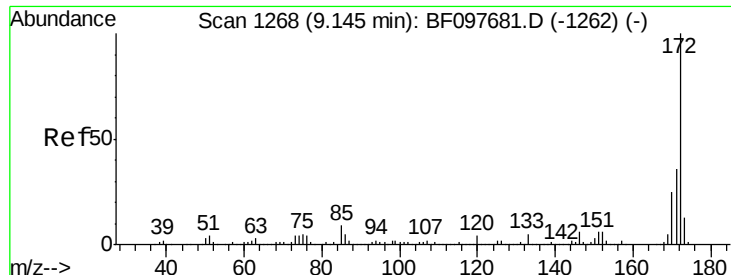


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

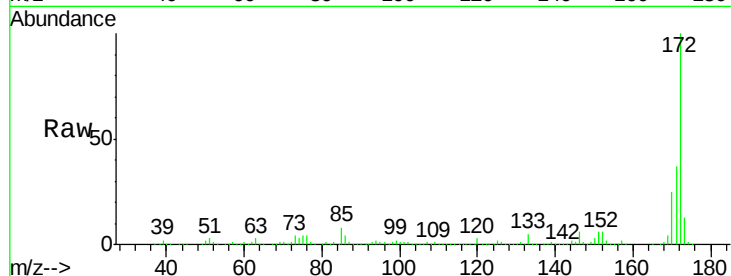




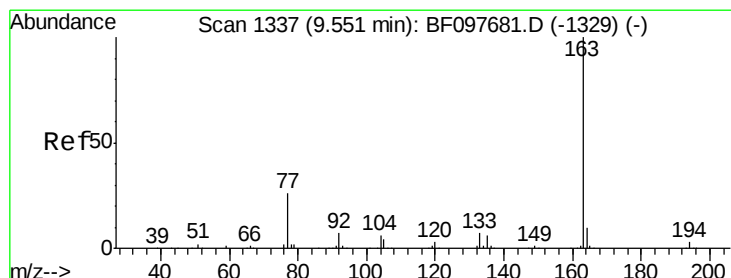
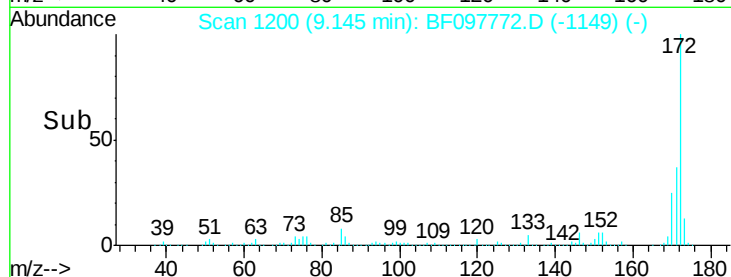
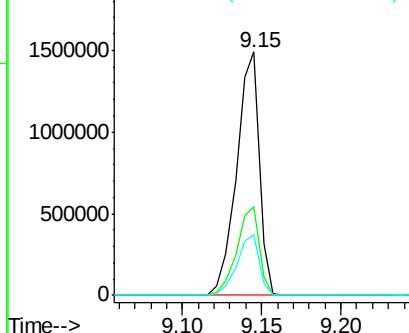
#44
2-Fluorobiphenyl
Concen: 94.41 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF097772.D
Acq: 17 Aug 2017 7:18

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion:172 Resp: 1477848
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.7 19.8 29.8

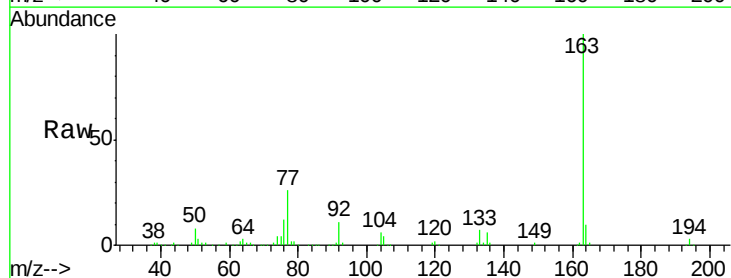


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

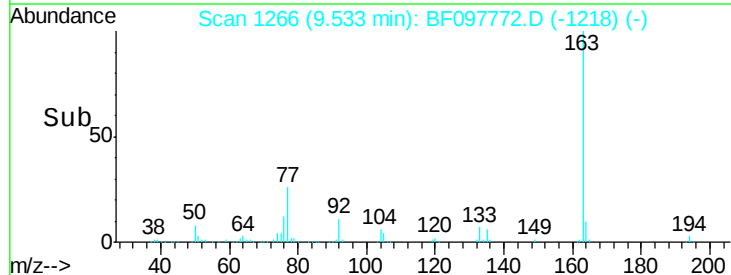
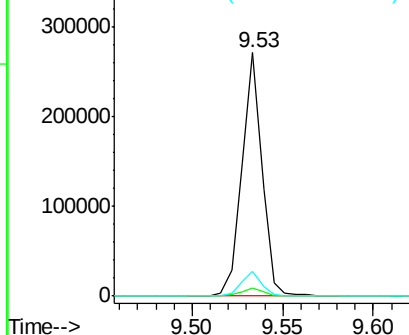


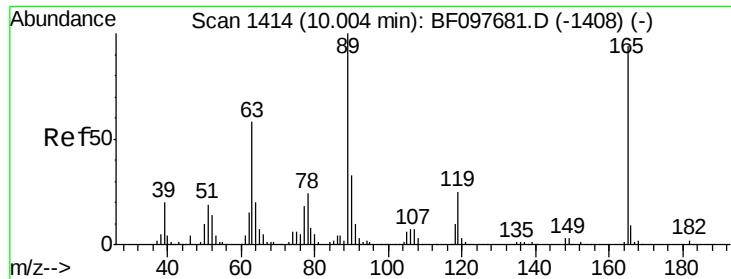
#49
Dimethylphthalate
Concen: 12.43 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF097772.D
Acq: 17 Aug 2017 7:18

Tgt Ion:163 Resp: 208954
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.9 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

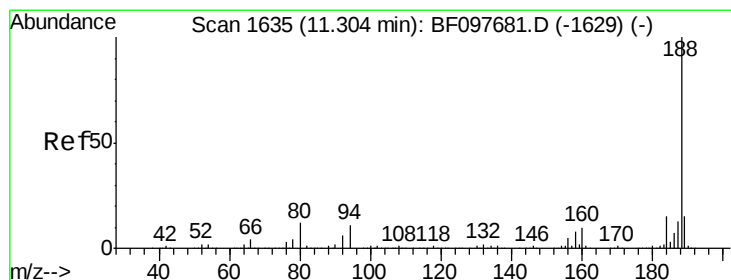
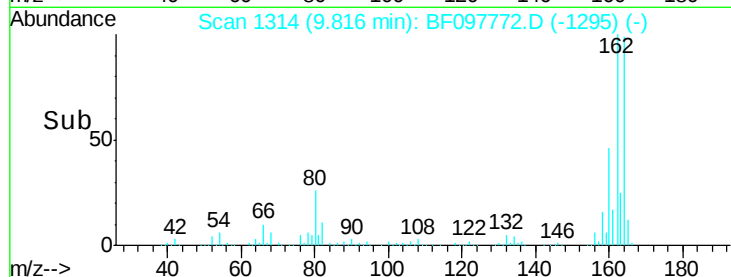
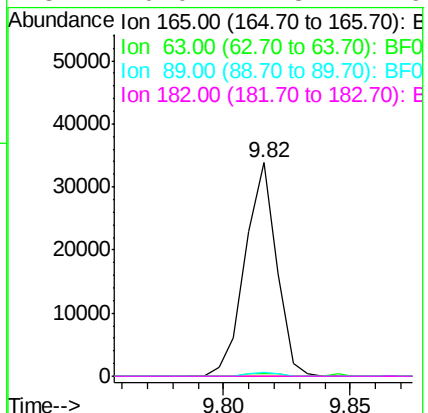
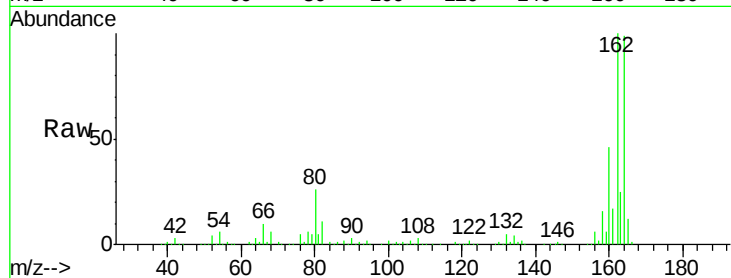




#56
 2,4-Dinitrotoluene
 Concen: 6.93 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097772.D
 Acq: 17 Aug 2017 7:18

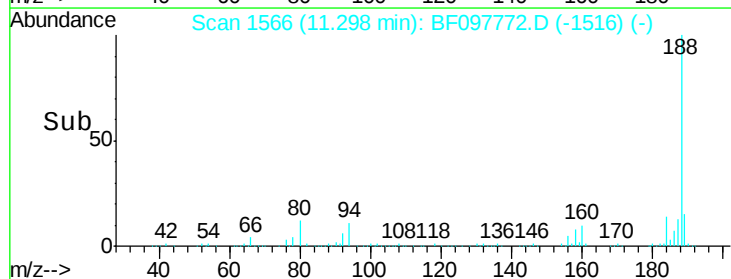
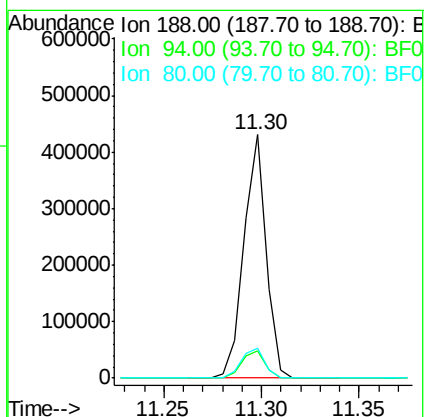
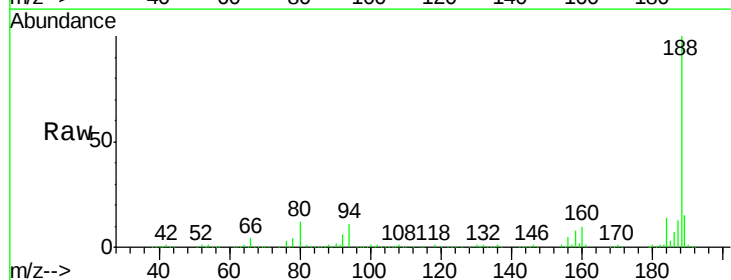
Instrument :
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 ClientSampleId :
 SB-22-COMP

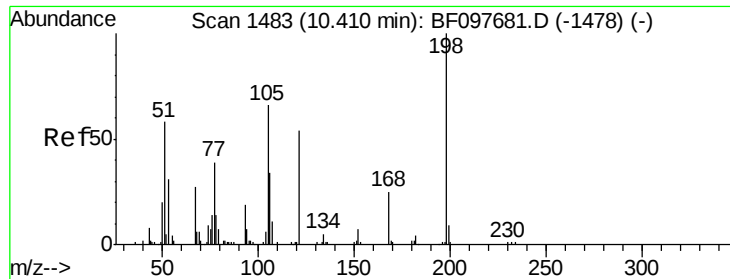
Tot Ion:165	Resp:	29170
Ion Ratio	Lower	Upper
165	100	
63	1.3	25.4 38.0#
89	1.8	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097772.D
 Acq: 17 Aug 2017 7:18

Tgt Ion:188	Resp:	339913
Ion Ratio	Lower	Upper
188	100	
94	11.1	9.4 14.2
80	12.2	10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.63 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.19 min

Lab File: BF097772.D

Acq: 17 Aug 2017 7:18

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

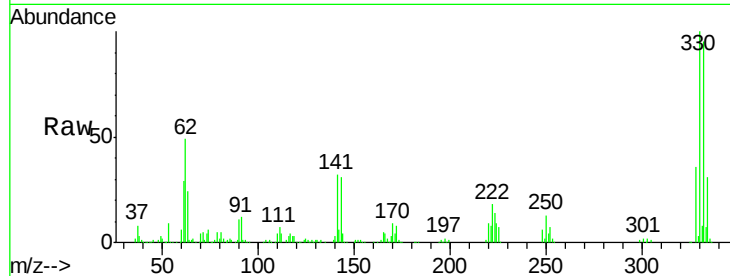
Tot Ion:198 Resp: 608

Ion Ratio Lower Upper

198 100

51 137.5 53.2 93.2#

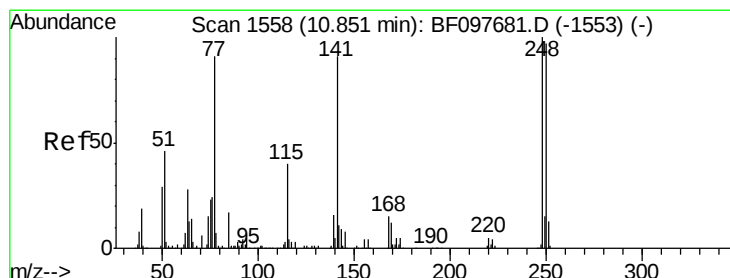
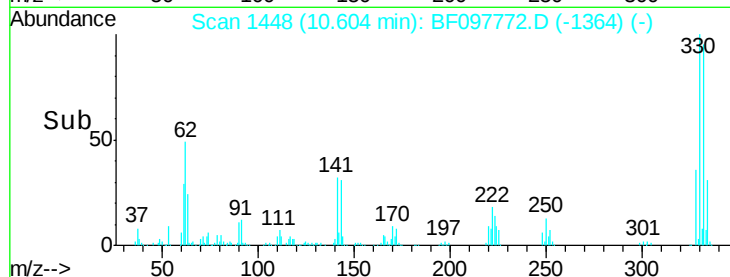
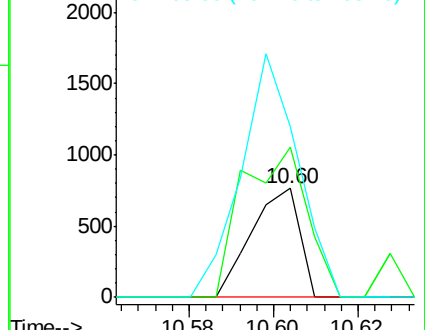
105 157.1 45.8 85.8#



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: 4.60 ng

RT: 10.60 min Scan# 1448

Delta R.T. -0.25 min

Lab File: BF097772.D

Acq: 17 Aug 2017 7:18

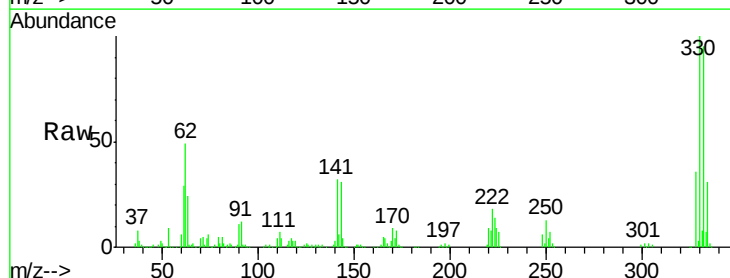
Tgt Ion:248 Resp: 16246

Ion Ratio Lower Upper

248 100

250 201.5 76.8 115.2#

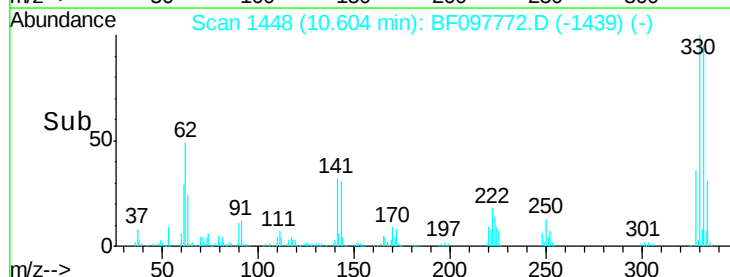
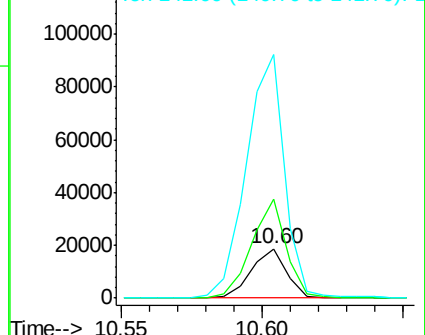
141 493.4 68.6 103.0#

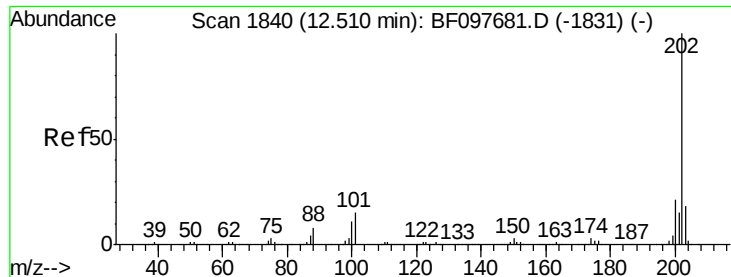


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

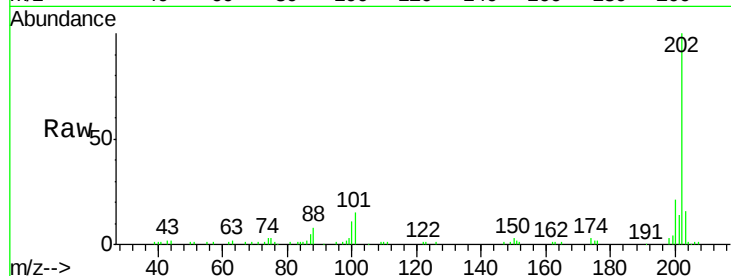




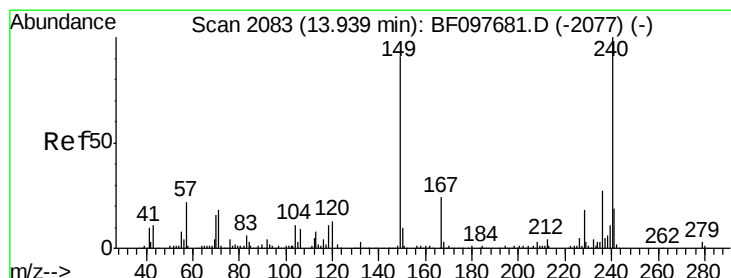
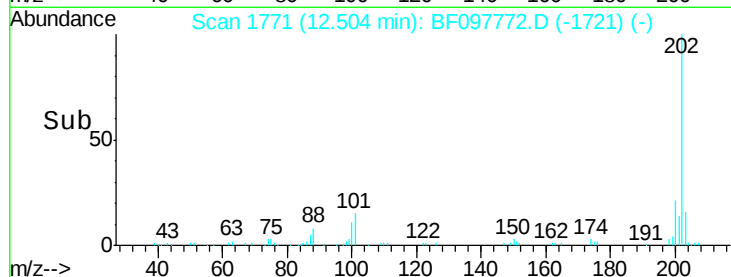
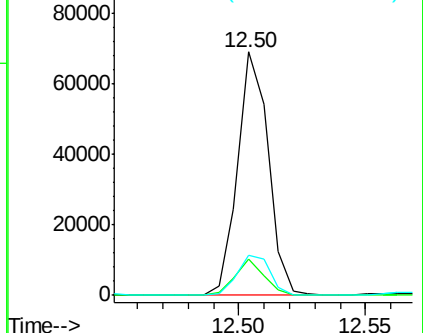
#74
Fluoranthene
Concen: 3.07 ng
RT: 12.50 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF097772.D
Acq: 17 Aug 2017 7:18

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	33.2
203	16.5	0.0	38.1

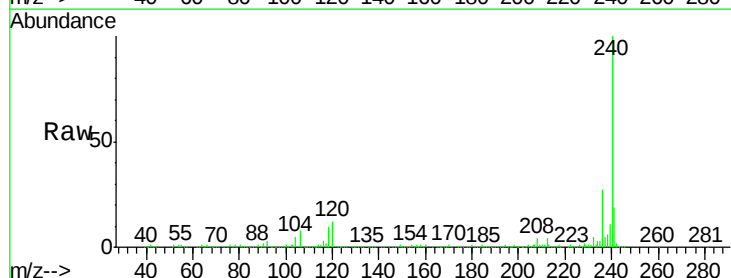


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

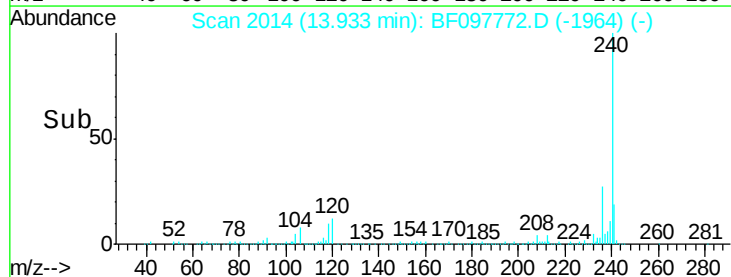
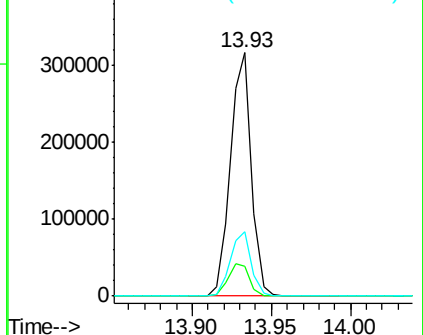


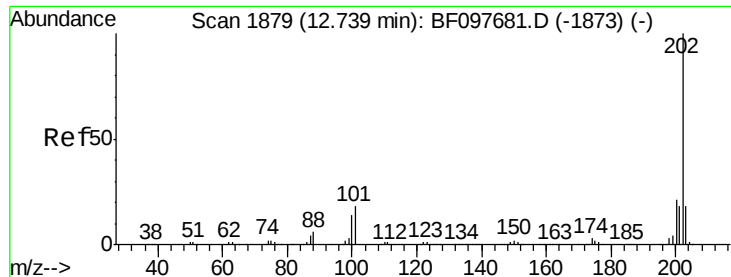
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF097772.D
Acq: 17 Aug 2017 7:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.1	5.8	8.8#
236	26.5	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

Pvrene

Concen: 2.89 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097772.D

Acq: 17 Aug 2017 7:18

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

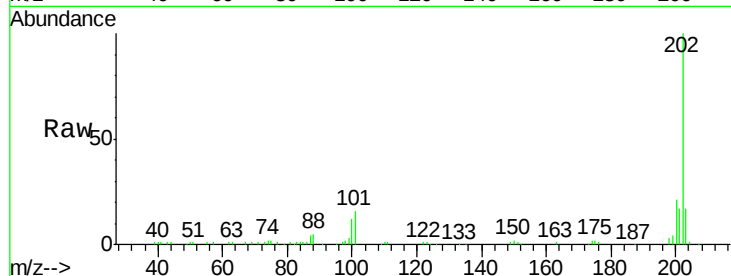
Tot Ion:202 Resp: 68157

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

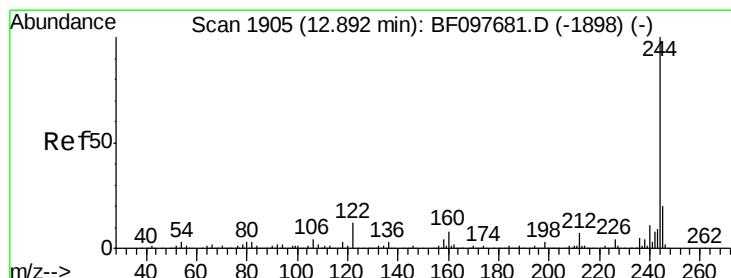
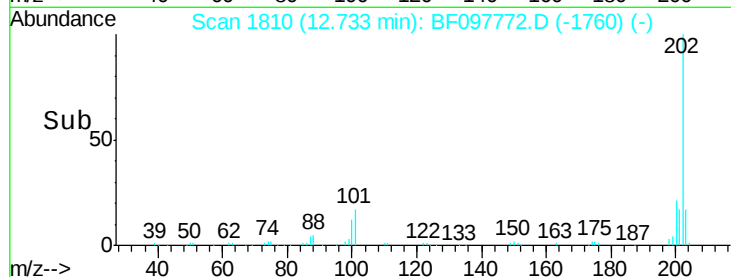
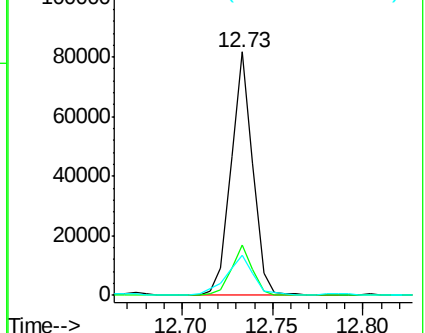
203 16.7 14.4 21.6



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: 61.58 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097772.D

Acq: 17 Aug 2017 7:18

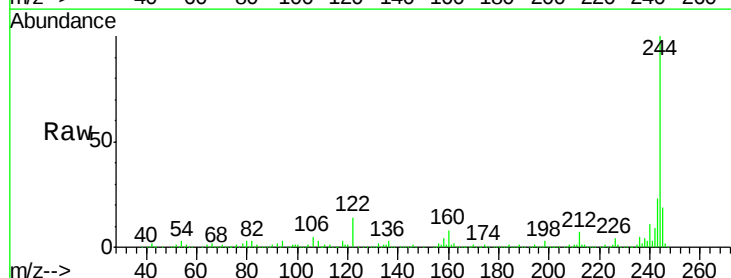
Tgt Ion:244 Resp: 852297

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

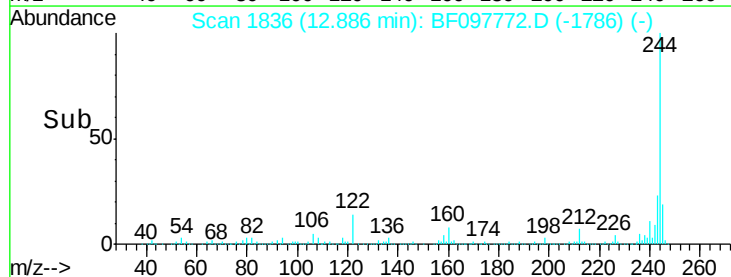
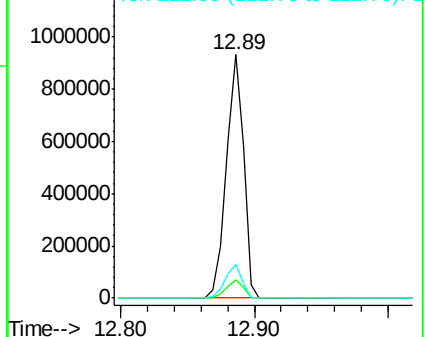
122 13.8 10.3 15.5

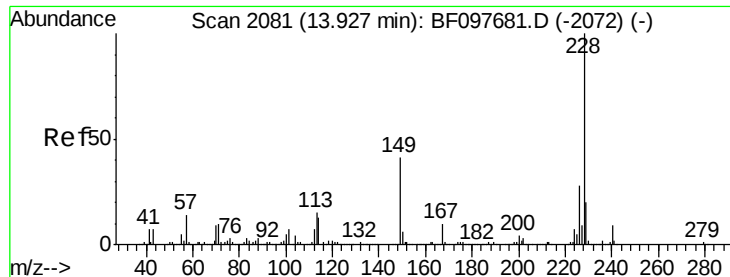


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.46 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.03 min

Lab File: BF097772.D

Acq: 17 Aug 2017 7:18

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

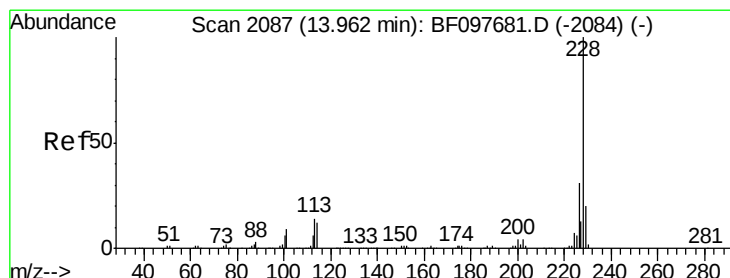
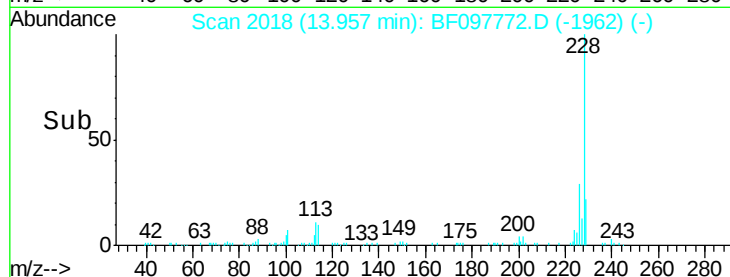
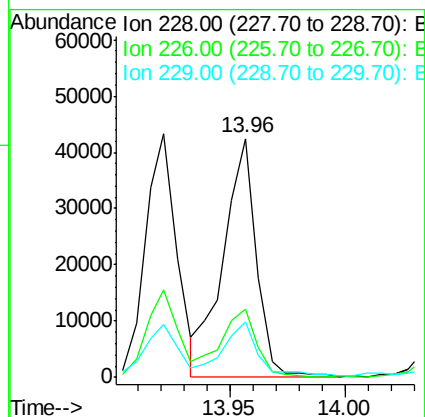
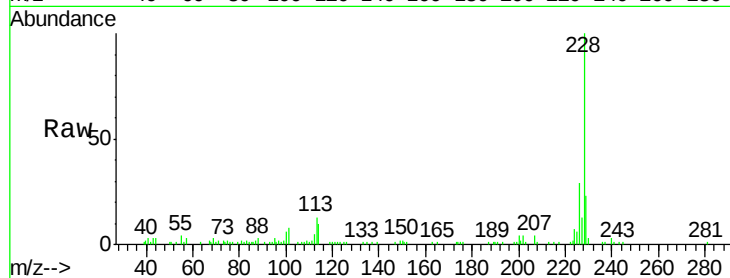
Tot Ion:228 Resp: 42594

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

229 23.1 16.3 24.5



#82

Chrysene

Concen: 2.48 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097772.D

Acq: 17 Aug 2017 7:18

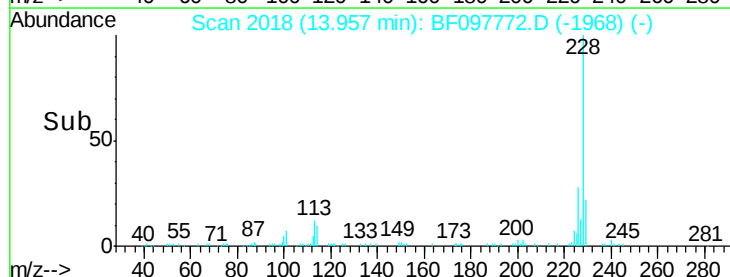
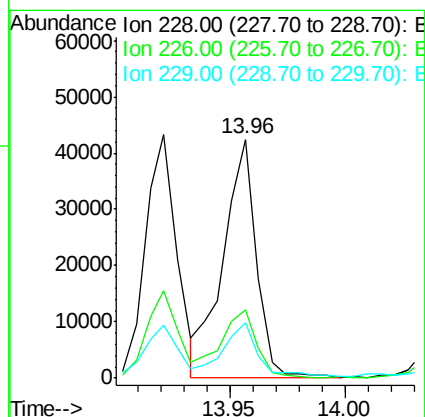
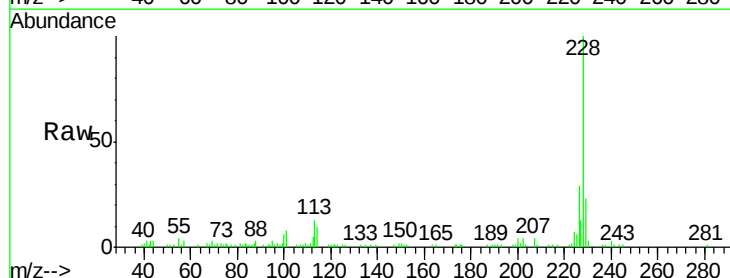
Tgt Ion:228 Resp: 42594

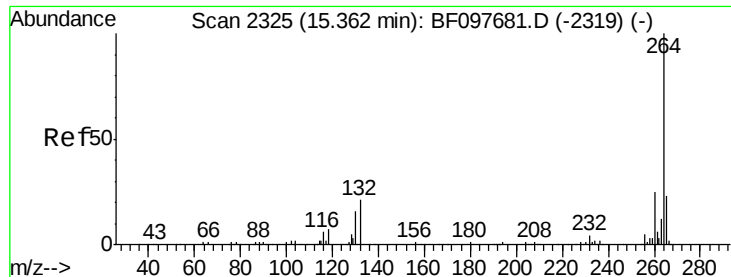
Ion Ratio Lower Upper

228 100

226 28.8 24.9 37.3

229 23.1 15.8 23.6

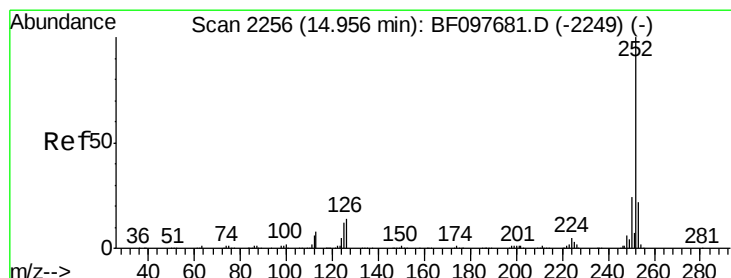
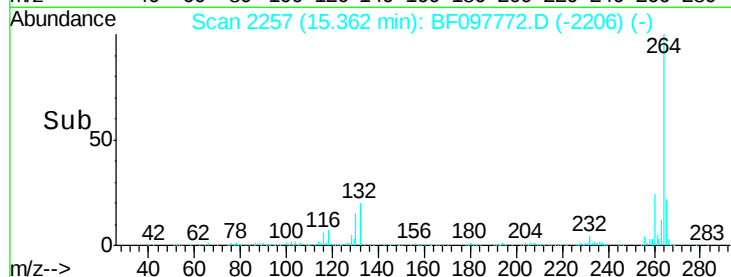
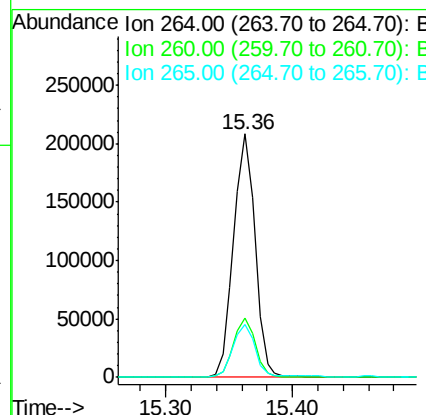
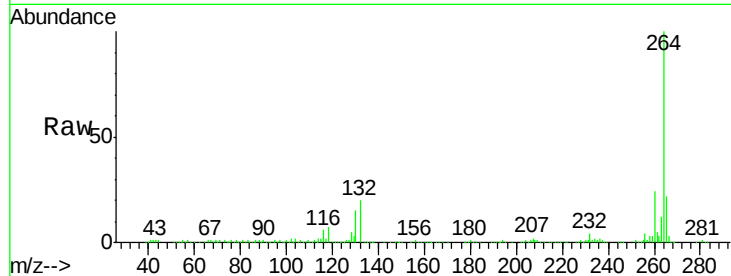




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097772.D
Acq: 17 Aug 2017 7:18

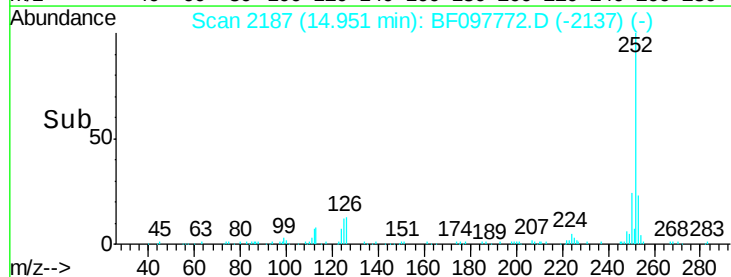
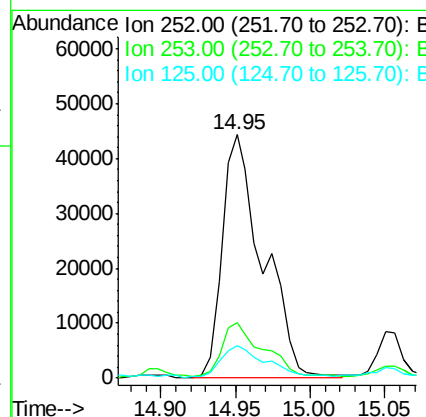
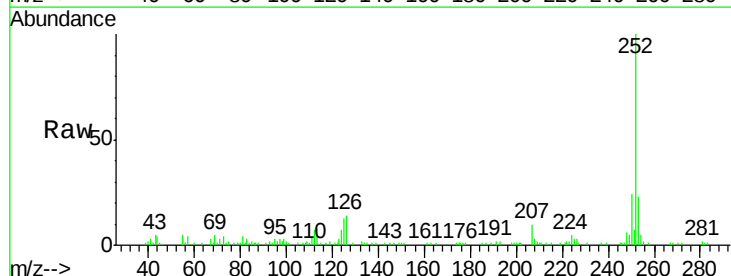
Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

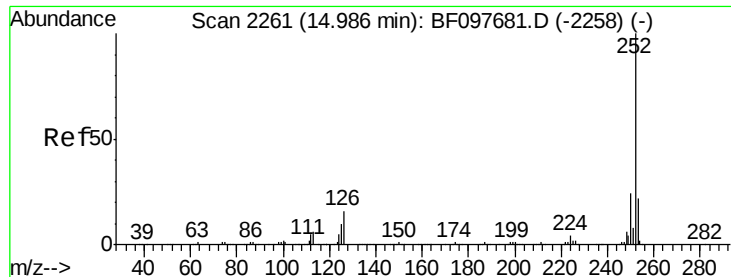
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.8	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 5.42 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097772.D
Acq: 17 Aug 2017 7:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.3	9.8	14.8

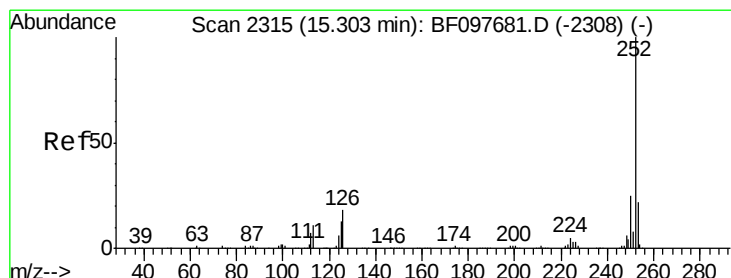
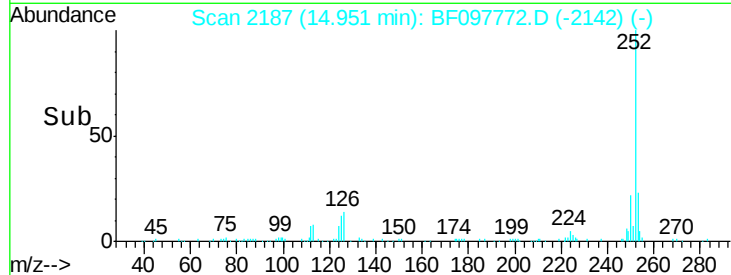
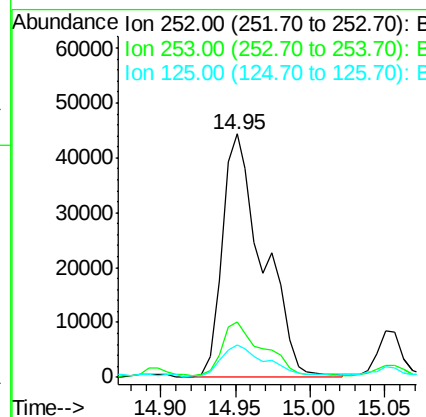
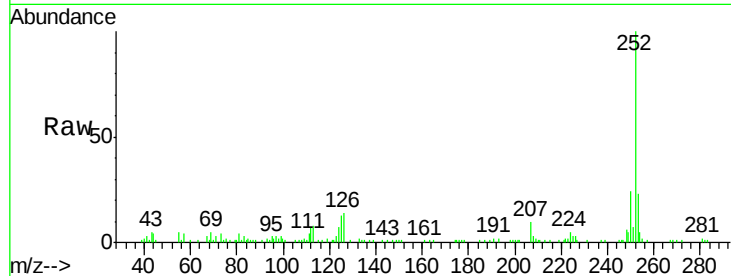




#88
Benzo(k)fluoranthene
Concen: 5.77 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF097772.D
Acq: 17 Aug 2017 7:18

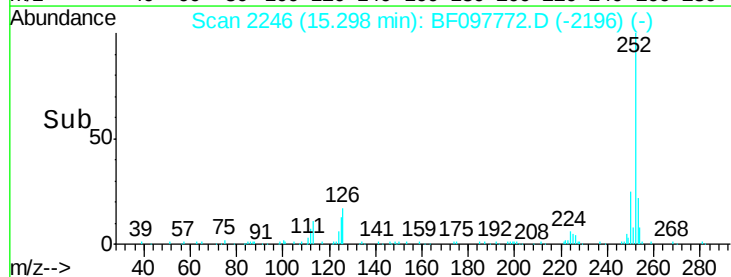
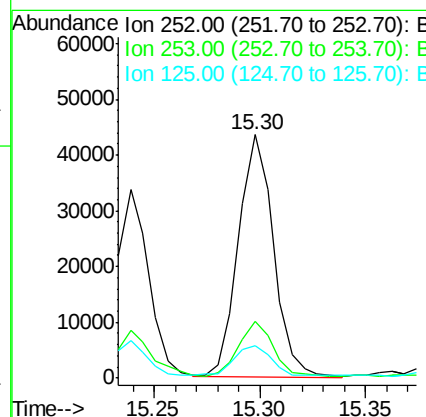
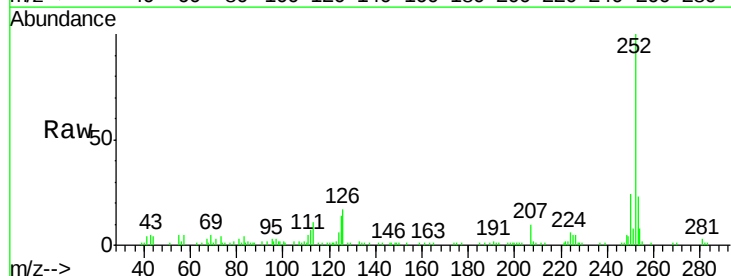
Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

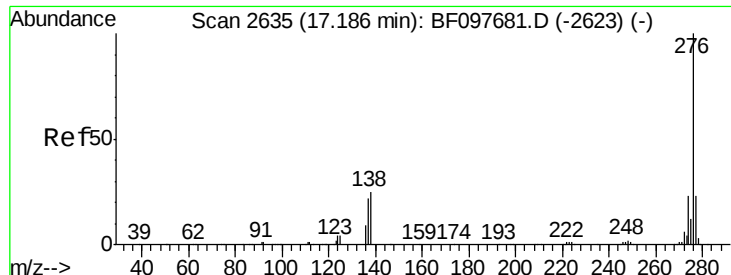
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	13.3	13.1	19.7



#89
Benzo(a)pyrene
Concen: 3.64 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097772.D
Acq: 17 Aug 2017 7:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	13.5	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.23 ng

RT: 17.17 min Scan# 2564

Delta R.T. -0.02 min

Lab File: BF097772.D

Acq: 17 Aug 2017 7:18

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

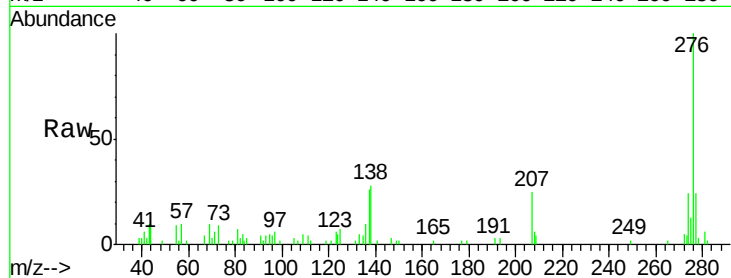
Tot Ion:276 Resp: 37725

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 27.5 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

