

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097175.D
 Acq On : 29 Jul 2017 1:10
 Operator : SJ/JU
 Sample : I4456-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D24

Quant Time: Jul 29 01:52:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

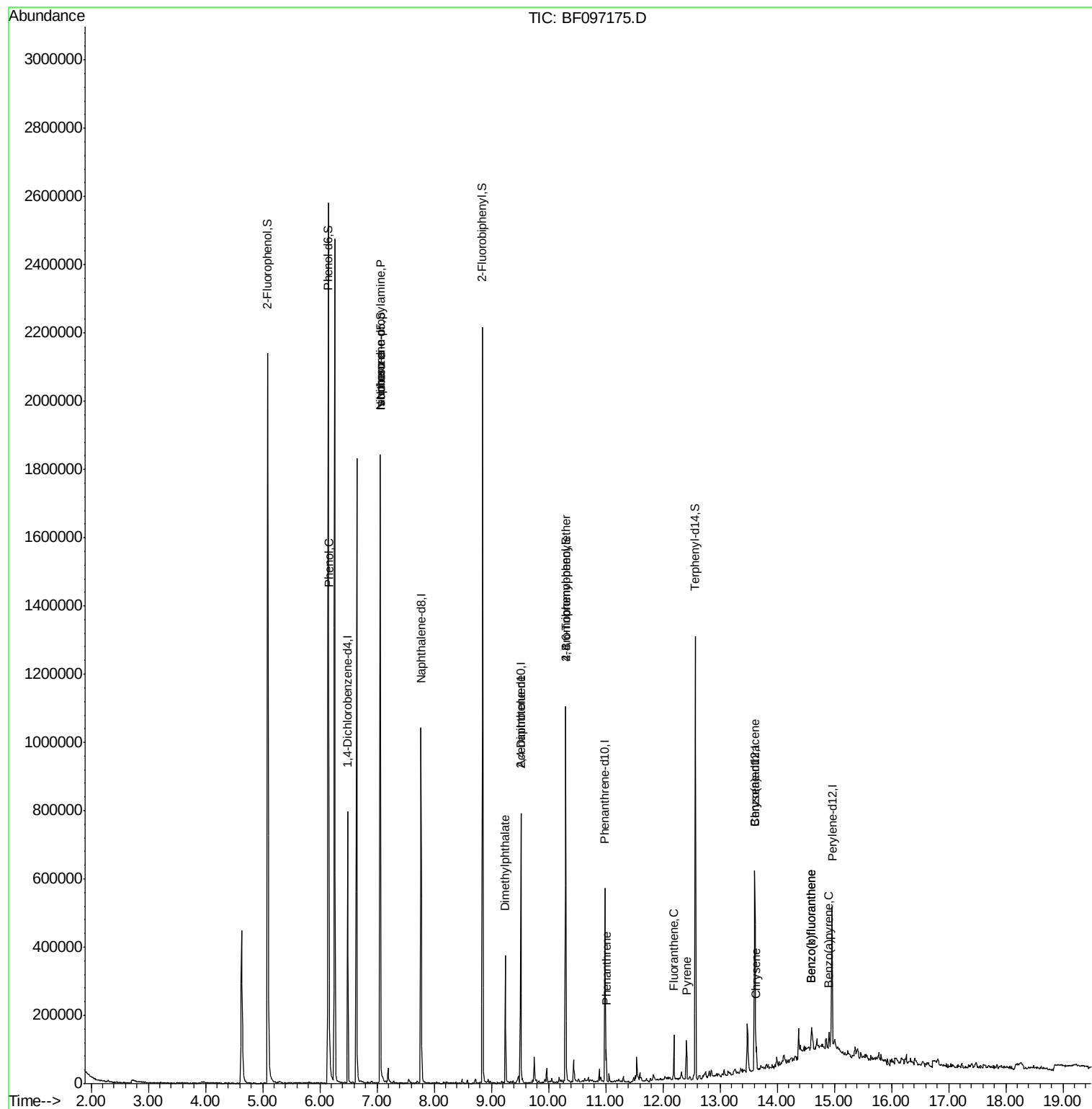
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	110087	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	438021	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	157448	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	188680	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	184915	20.00	ng	-0.02
86) Perylene-d12	14.96	264	165343	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	697384	95.50	ng	0.00
7) Phenol-d6	6.15	99	924761	110.92	ng	-0.02
23) Nitrobenzene-d5	7.06	82	583399	78.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	115890	93.16	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	685666	73.91	ng	-0.02
78) Terphenyl-d14	12.57	244	381294	42.04	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.16	94	27283	2.76	ng	96
19) n-Nitroso-di-n-propylamine	7.06	70	76150	13.88	ng	# 86
25) Isophorone	7.06	82	578218	39.54	ng	# 67
49) Dimethylphthalate	9.25	163	135525	11.33	ng	98
56) 2,4-Dinitrotoluene	9.51	165	19419	6.66	ng	# 32
66) 4-Bromophenyl-phenylether	10.30	248	7520	3.99	ng	# 1
70) Phenanthrene	11.01	178	32596	3.22	ng	96
74) Fluoranthene	12.19	202	47377	4.78	ng	99
77) Pyrene	12.42	202	40935	2.70	ng	99
80) Benzo(a)anthracene	13.60	228	25326	2.12	ng	96
82) Chrysene	13.63	228	24583	2.10	ng	96
87) Benzo(b)fluoranthene	14.60	252	33533	3.37	ng	# 89
88) Benzo(k)fluoranthene	14.60	252	33533	3.54	ng	# 93
89) Benzo(a)pyrene	14.91	252	18854	2.07	ng	# 91

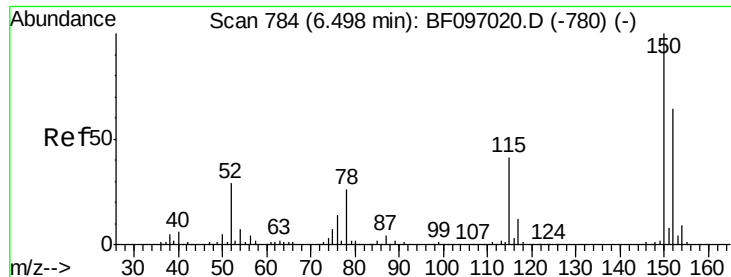
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 782

Delta R.T. -0.01 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

Instrument :

BNA_F

ClientSampleId :

TP-14D24

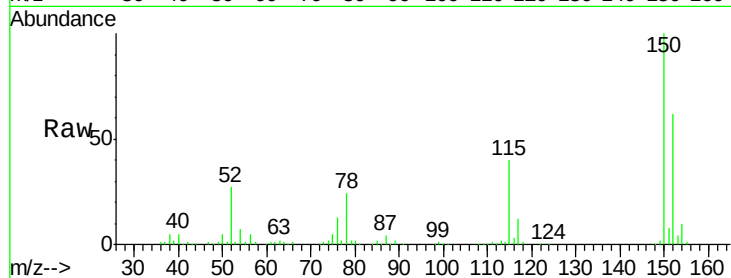
Tot Ion:152 Resp: 110087

Ion Ratio Lower Upper

152 100

150 160.1 126.2 189.2

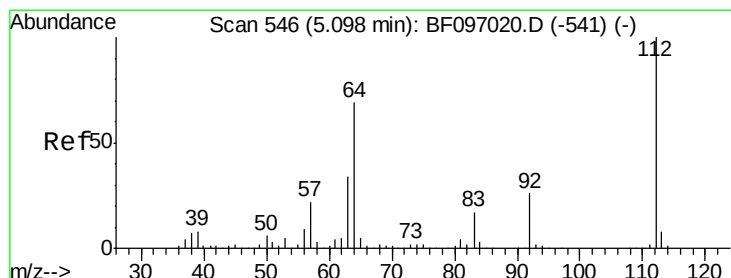
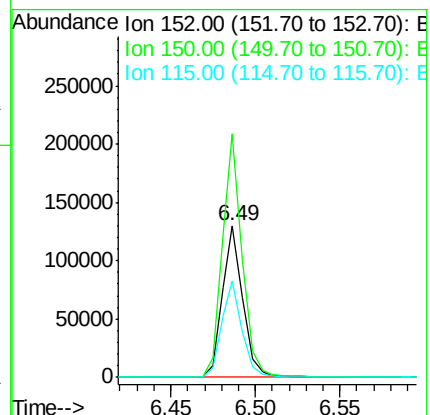
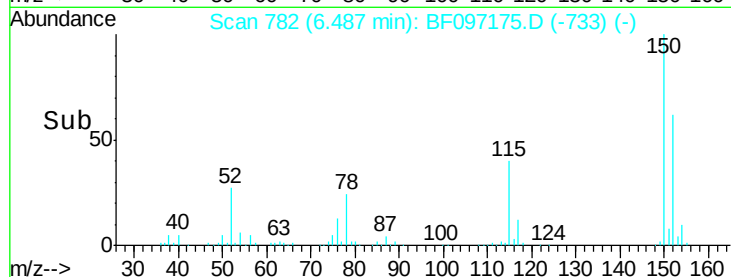
115 63.2 52.2 78.2



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: 95.50 ng

RT: 5.09 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

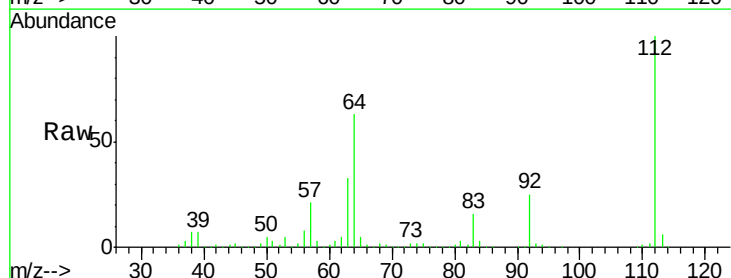
Tgt Ion:112 Resp: 697384

Ion Ratio Lower Upper

112 100

64 62.9 46.0 69.0

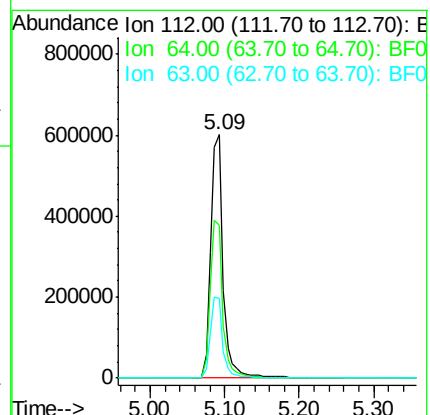
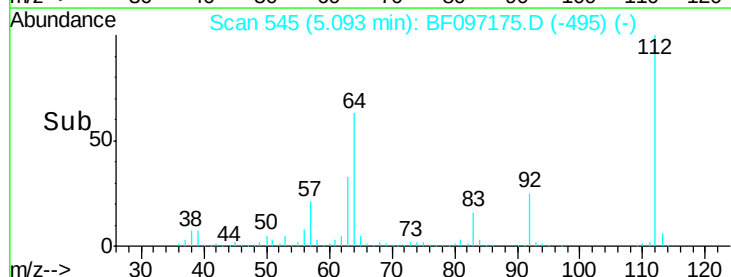
63 32.7 23.4 35.0

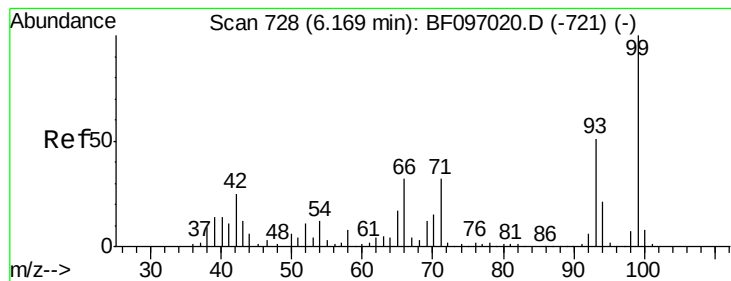


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.92 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

Instrument :

BNA_F

ClientSampleId :

TP-14D24

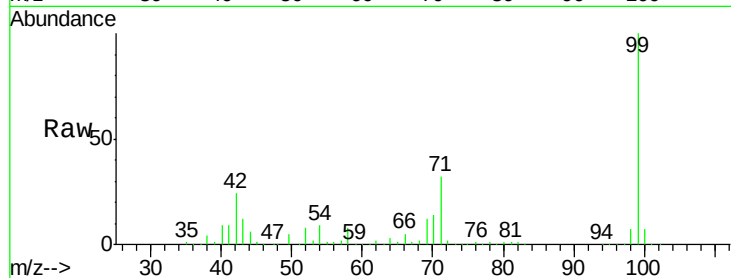
Tot Ion: 99 Resp: 924761

Ion Ratio Lower Upper

99 100

42 24.0 13.5 20.3#

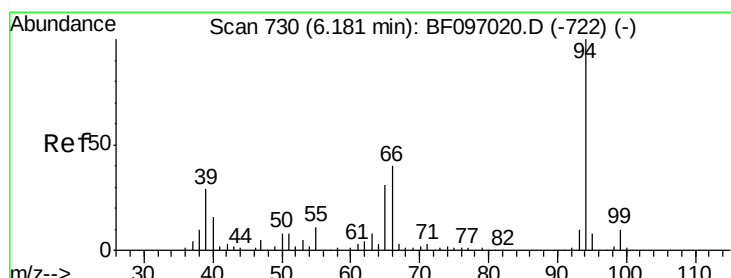
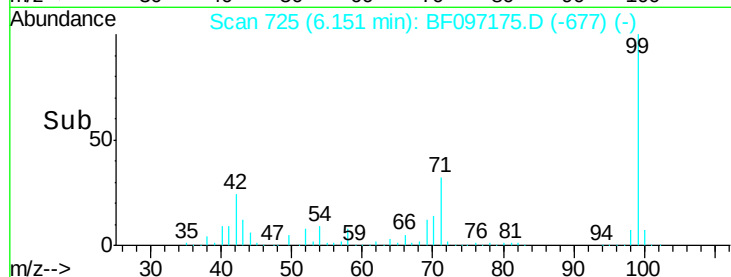
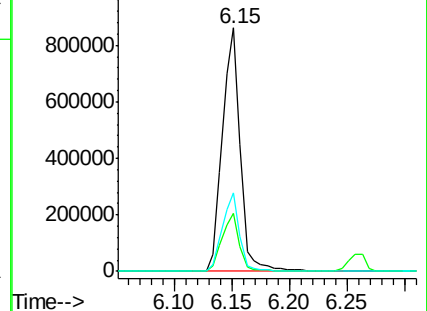
71 32.2 24.5 36.7



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: 2.76 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

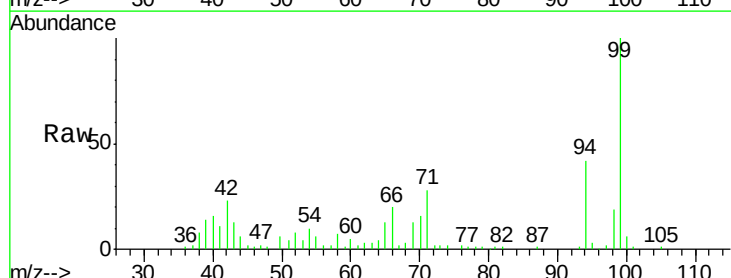
Tgt Ion: 94 Resp: 27283

Ion Ratio Lower Upper

94 100

65 31.3 9.9 49.9

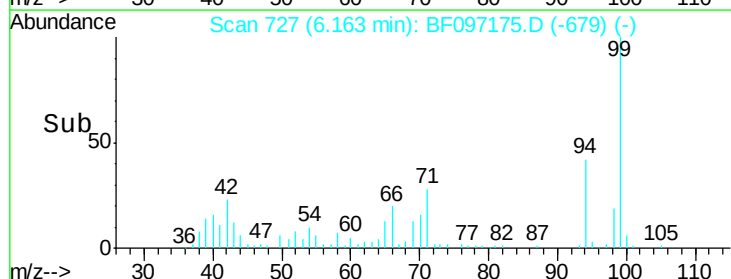
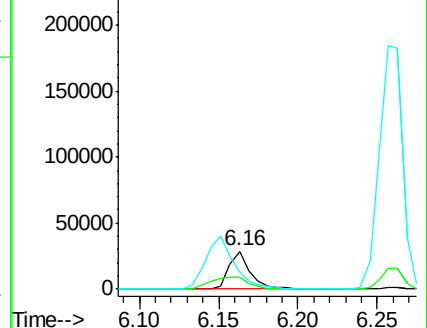
66 46.2 23.1 63.1

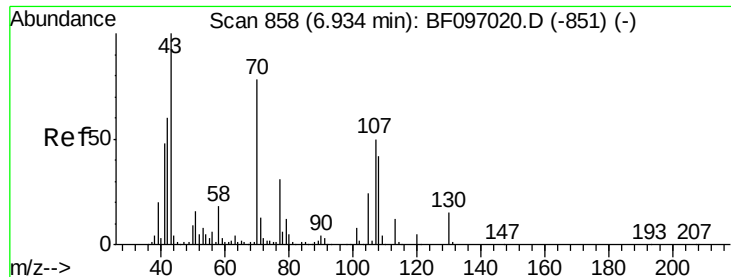


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

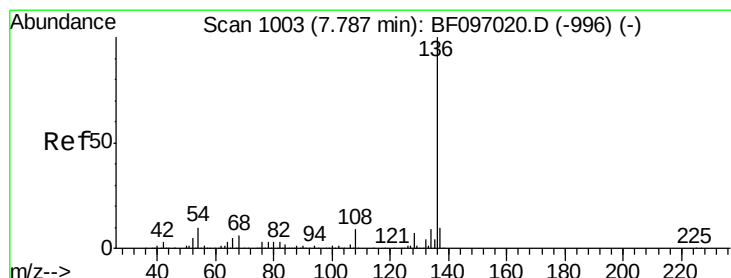
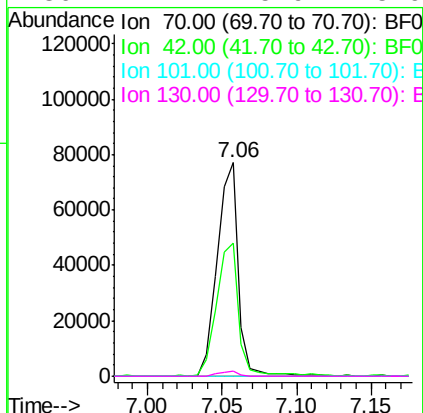
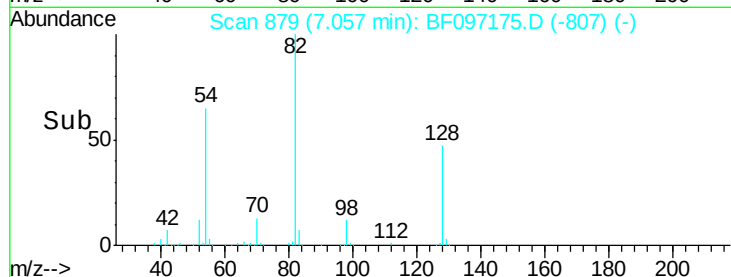
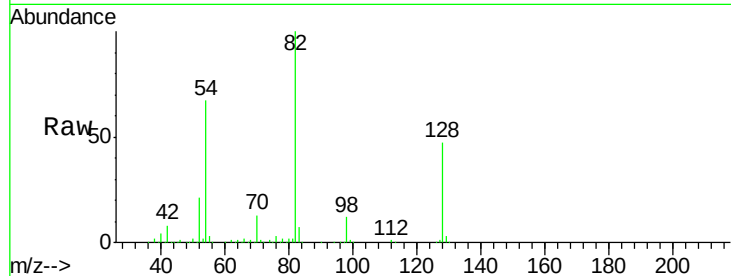




#19
n-Nitroso-di-n-propylamine
Concen: 13.88 ng
RT: 7.06 min Scan# 879
Delta R.T. 0.12 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

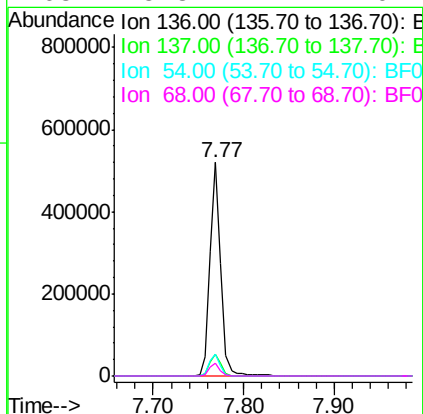
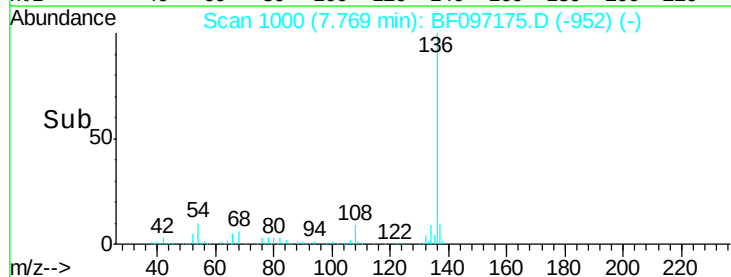
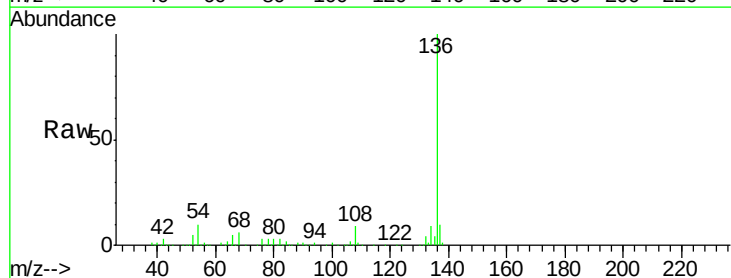
Instrument :
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TP-14D24

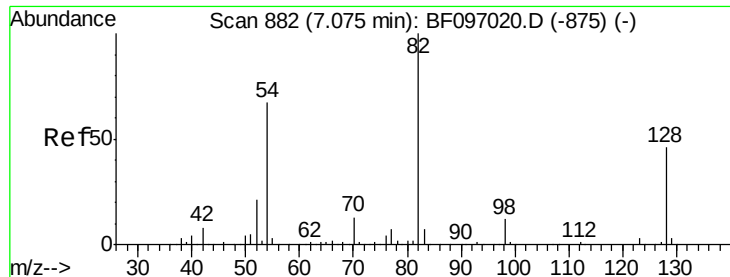
Tot Ion: 70 Resp: 76150
Ion Ratio Lower Upper
70 100
42 62.1 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Tgt Ion: 136 Resp: 438021
Ion Ratio Lower Upper
136 100
137 10.3 8.5 12.7
54 10.2 4.9 7.3#
68 5.8 4.1 6.1

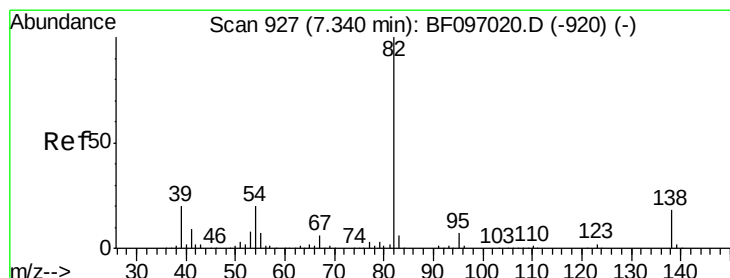
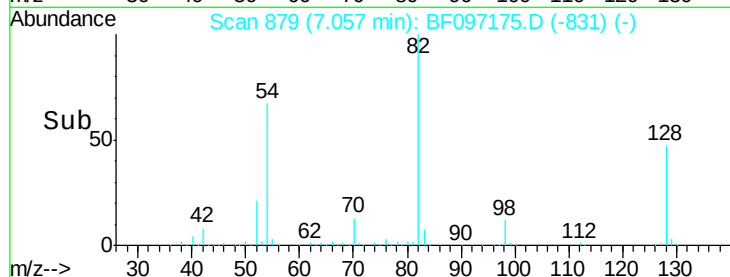
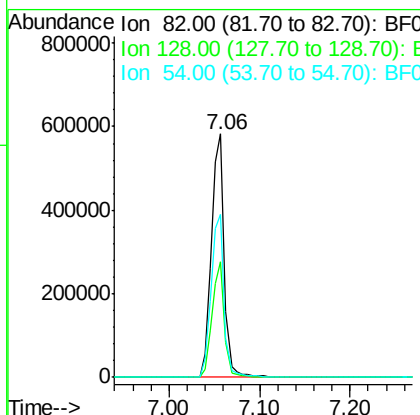
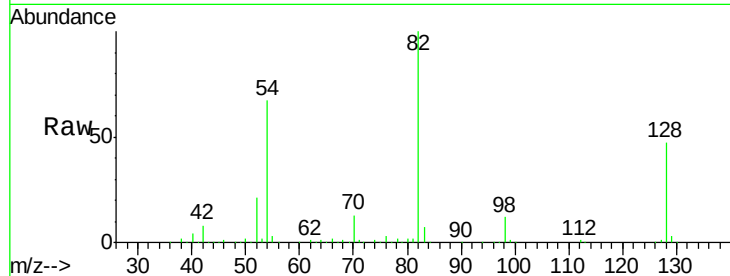




#23
 Nitrobenzene-d5
 Concen: 78.13 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

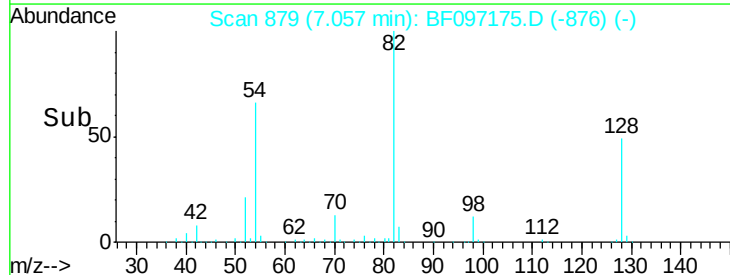
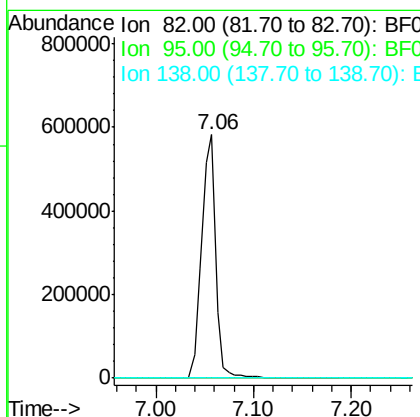
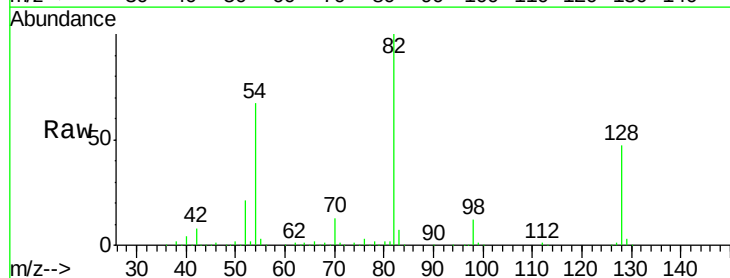
Instrument :
 BNA_F
 ClientSampleId :
 TP-14D24

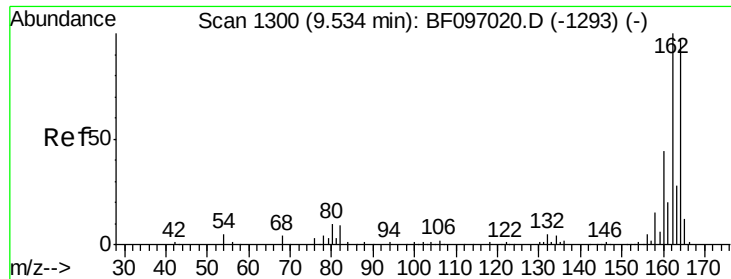
Tot Ion	82	Resp	583399
Ion Ratio	Lower	Upper	
82	100		
128	47.3	34.0	51.0
54	67.0	42.2	63.2#



#25
 Isophorone
 Concen: 39.54 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Tgt Ion	82	Resp	578218
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

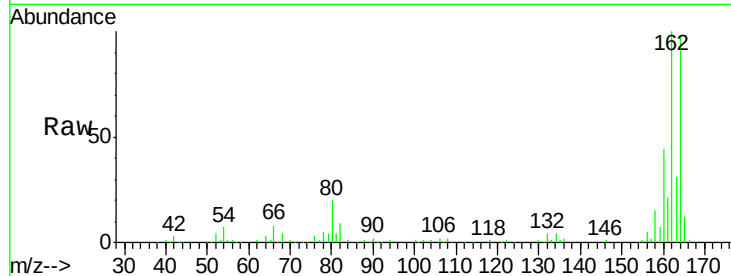




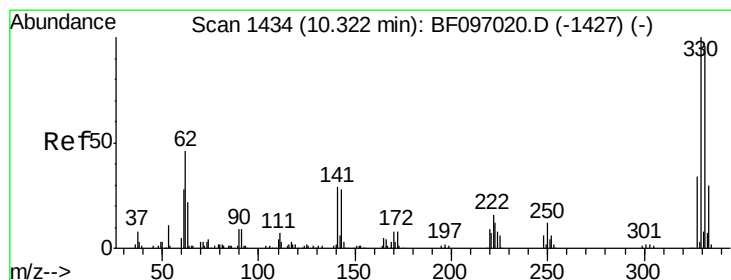
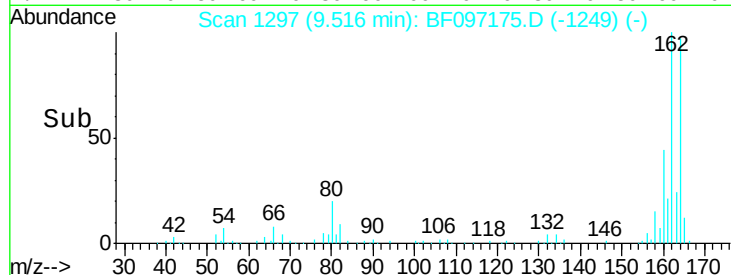
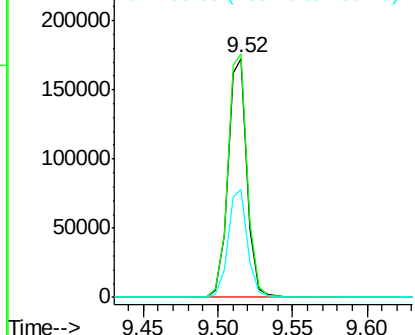
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D24

Tot Ion:164 Resp: 157448
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 123.8
 160 45.2 36.2 54.2

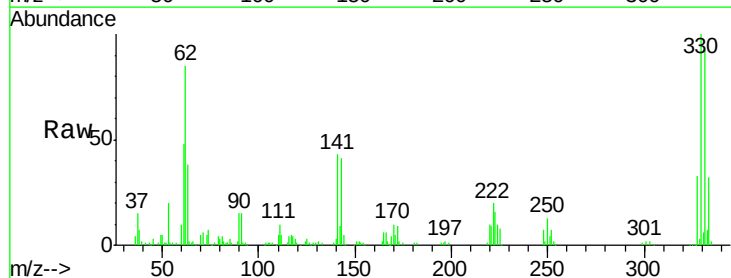


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

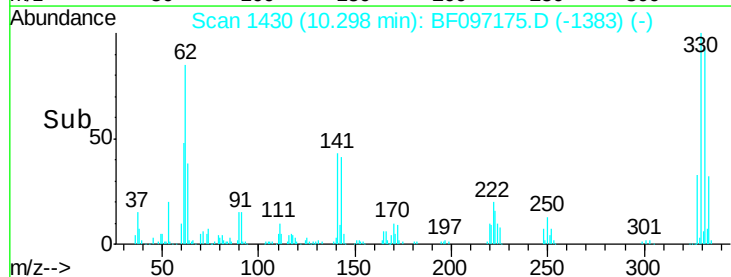
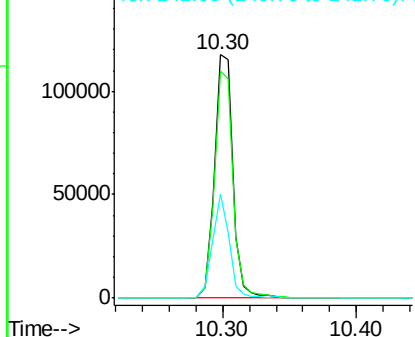


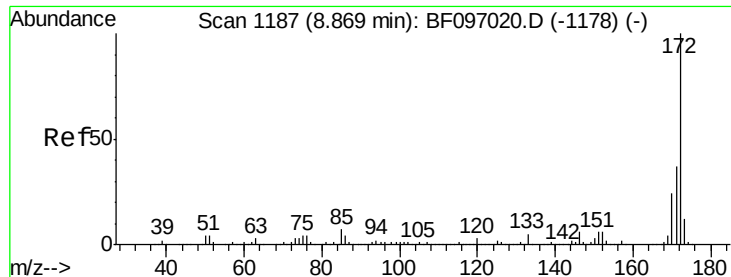
#41
 2,4,6-Tribromophenol
 Concen: 93.16 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Tgt Ion:330 Resp: 115890
 Ion Ratio Lower Upper
 330 100
 332 94.0 76.6 115.0
 141 38.9 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

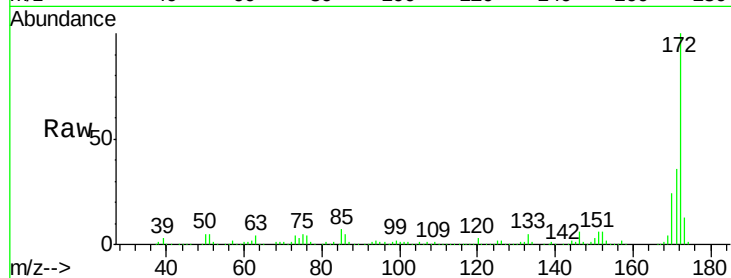




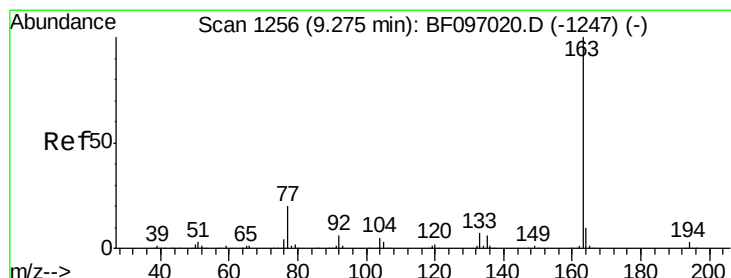
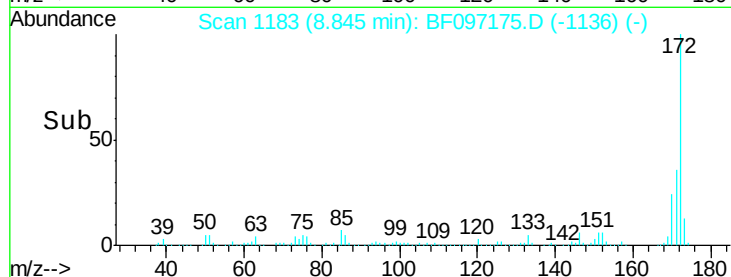
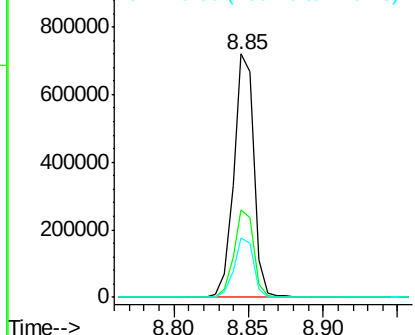
#44
2-Fluorobiphenyl
Concen: 73.91 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Instrument :
BNA_F
ClientSampleId :
TP-14D24

Tot Ion:172 Resp: 685666
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 24.1 19.8 29.8

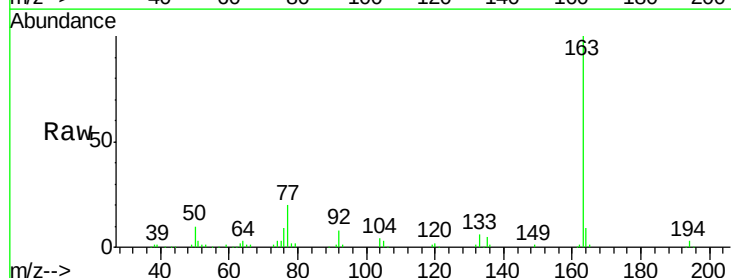


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

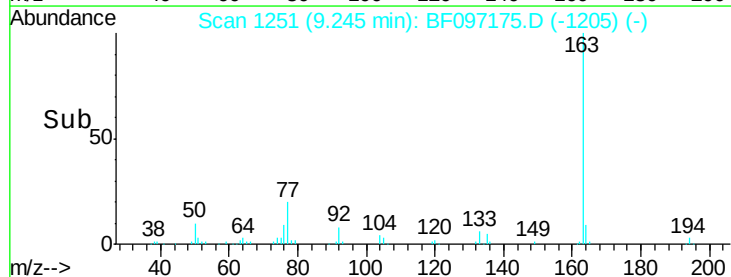
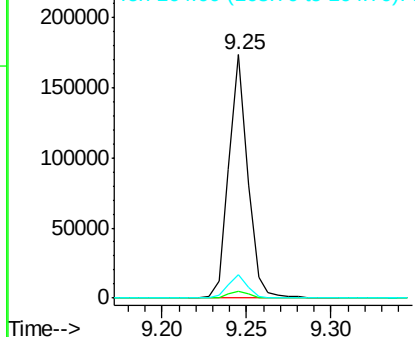


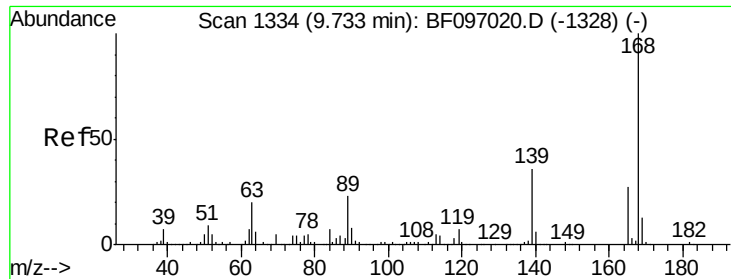
#49
Dimethylphthalate
Concen: 11.33 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Tgt Ion:163 Resp: 135525
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 9.5 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: 6.66 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.22 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

Instrument :

BNA_F

ClientSampleId :

TP-14D24

Tot Ion:165 Resp: 19419

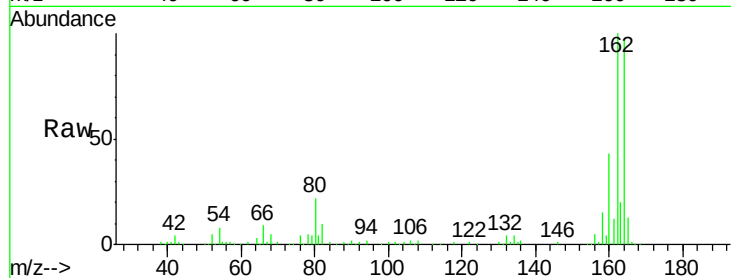
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

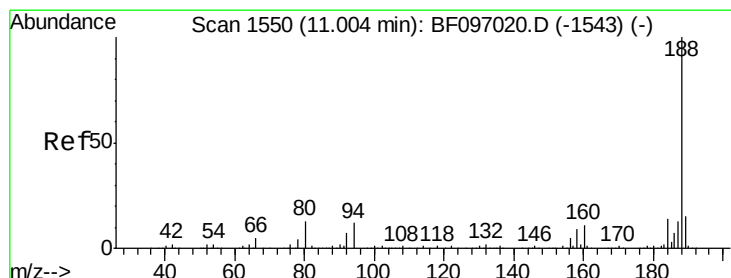
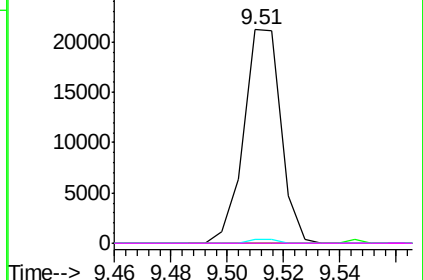
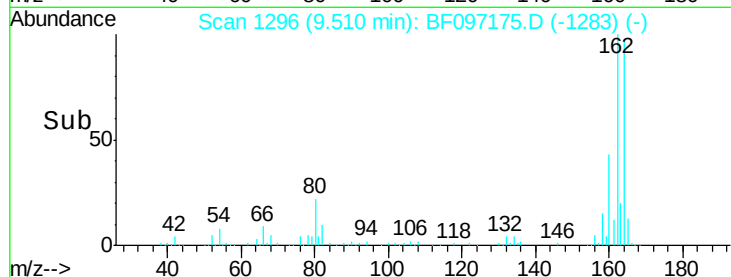


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.99 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

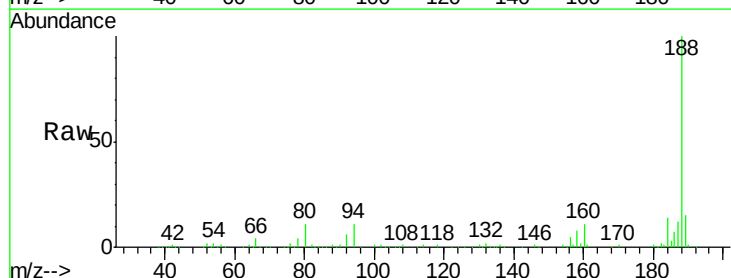
Tgt Ion:188 Resp: 188680

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

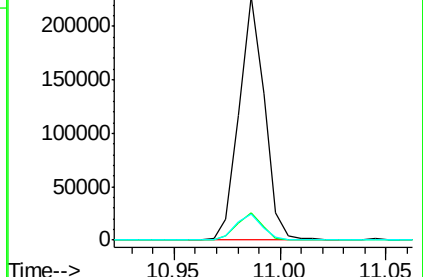
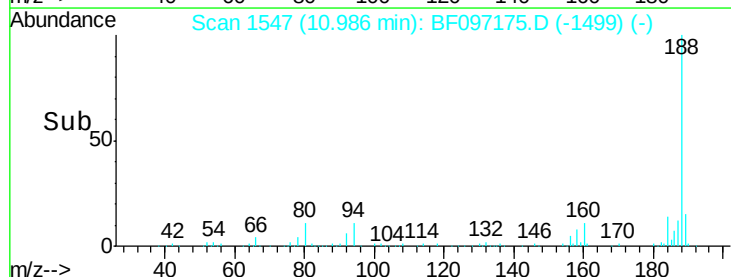
80 10.9 10.2 15.2

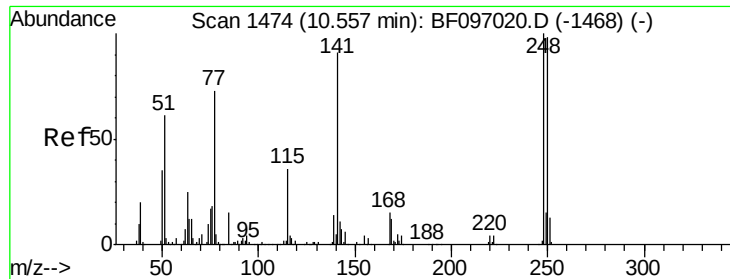


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

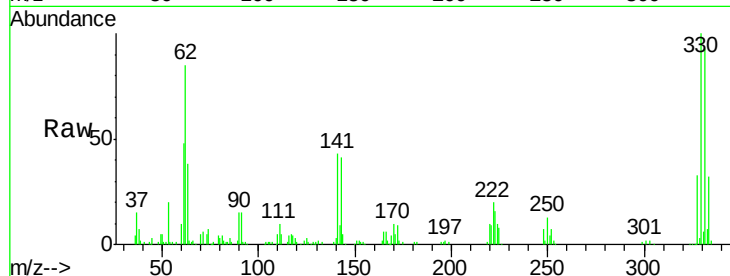




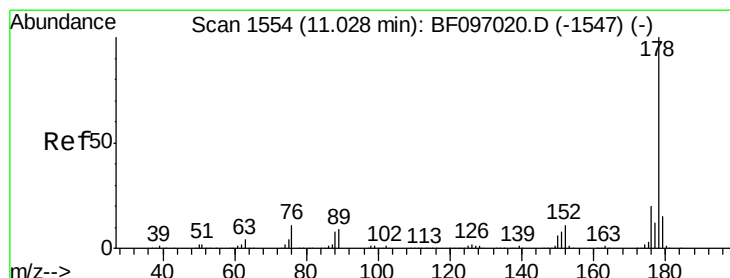
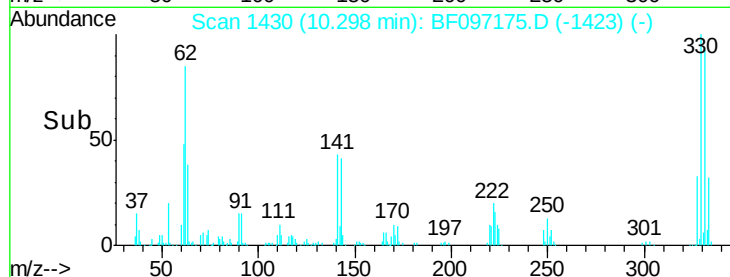
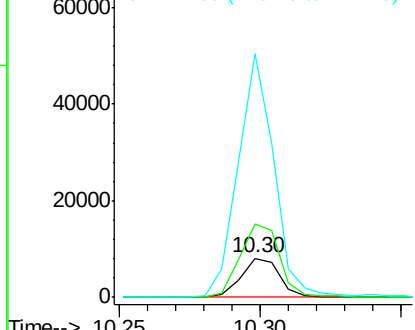
#66
 4-Bromophenyl-phenylether
 Concen: 3.99 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.26 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D24

Tot Ion:248 Resp: 7520
 Ion Ratio Lower Upper
 248 100
 250 186.4 76.8 115.2#
 141 620.3 68.6 103.0#

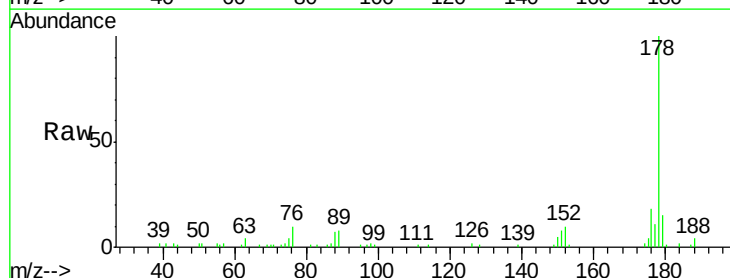


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

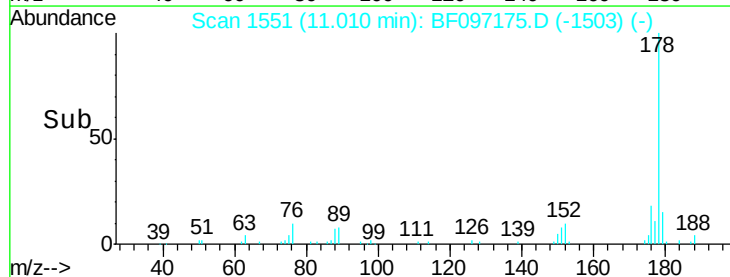
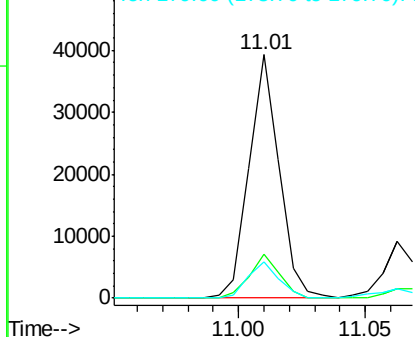


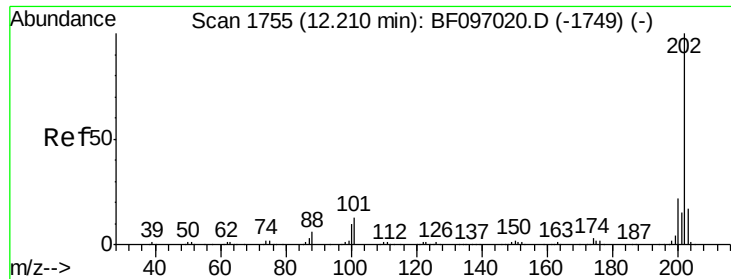
#70
 Phenanthrene
 Concen: 3.22 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Tgt Ion:178 Resp: 32596
 Ion Ratio Lower Upper
 178 100
 176 17.9 16.2 24.4
 179 14.9 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

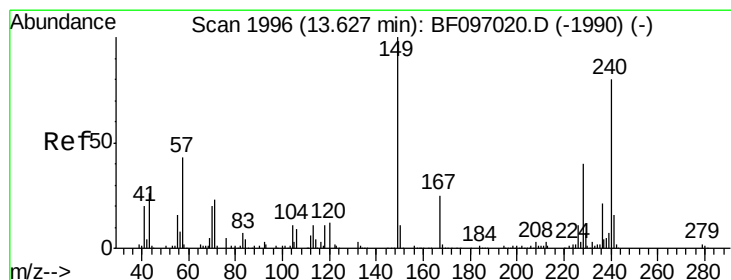
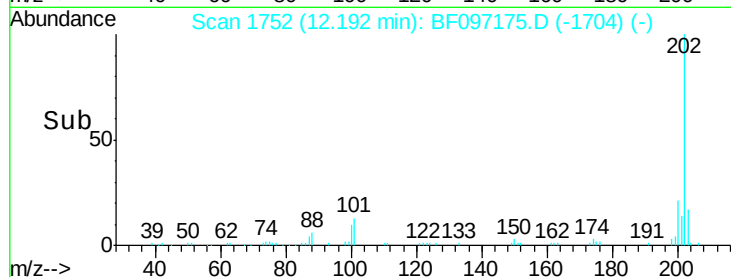
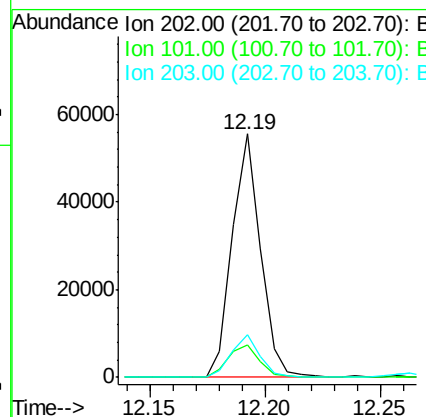
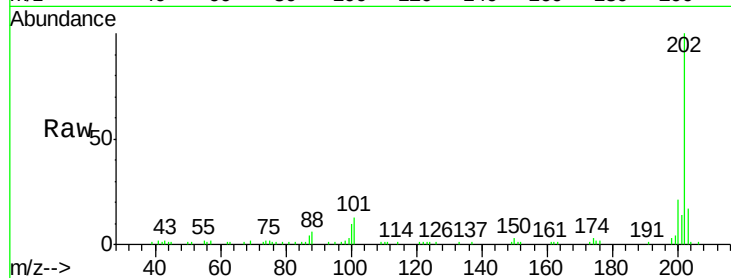




#74
 Fluoranthene
 Concen: 4.78 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.02 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

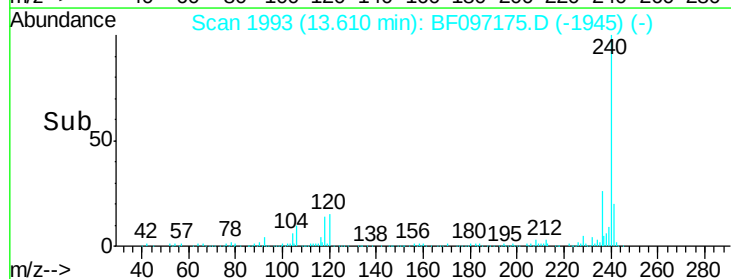
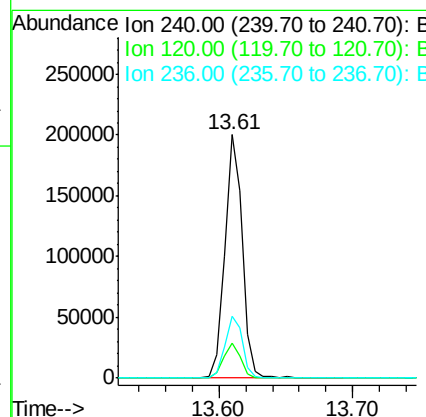
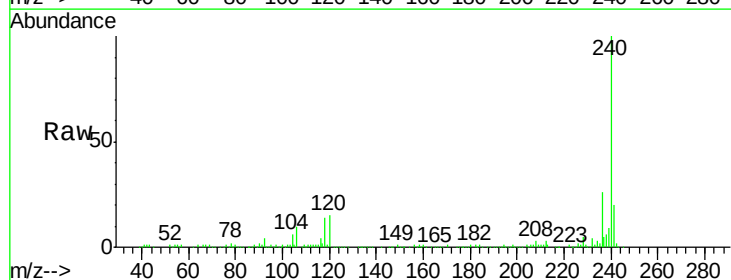
Instrument :
 BNA_F
 ClientSampleId :
 TP-14D24

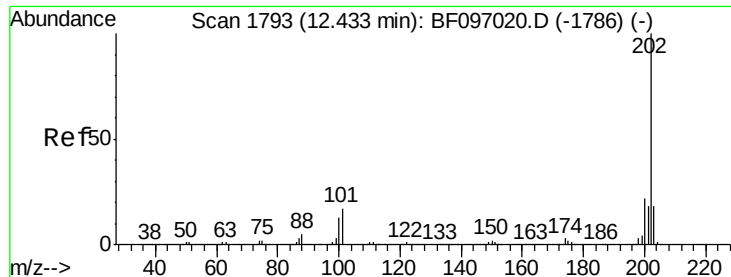
Tot Ion: 202 Resp: 47377
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 33.2
 203 17.4 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.61 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BF097175.D
 Acq: 29 Jul 2017 1:10

Tgt Ion: 240 Resp: 184915
 Ion Ratio Lower Upper
 240 100
 120 14.6 5.8 8.8#
 236 25.6 20.5 30.7





#77

Pvrene

Concen: 2.70 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

Instrument :

BNA_F

ClientSampleId :

TP-14D24

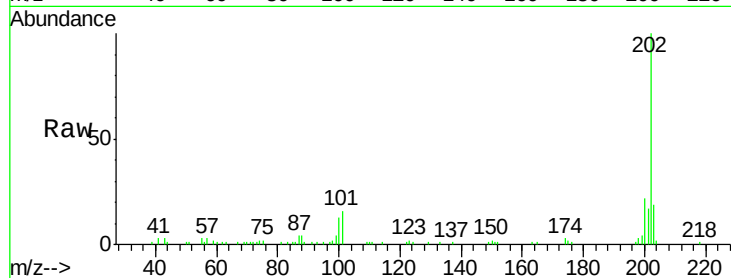
Tot Ion:202 Resp: 40935

Ion Ratio Lower Upper

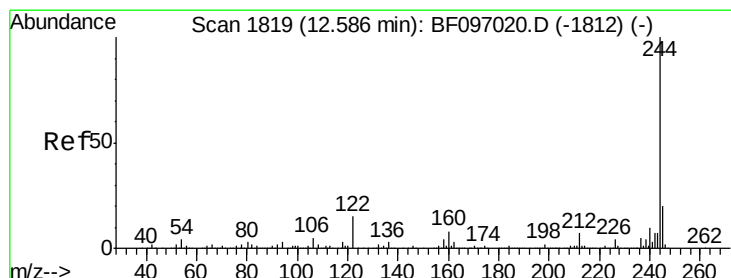
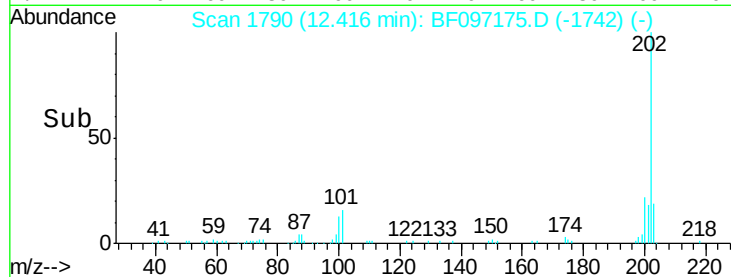
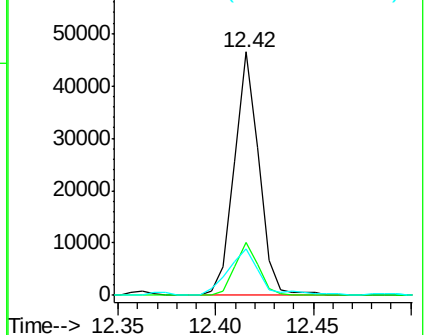
202 100

200 22.0 17.6 26.4

203 19.2 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: 42.04 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

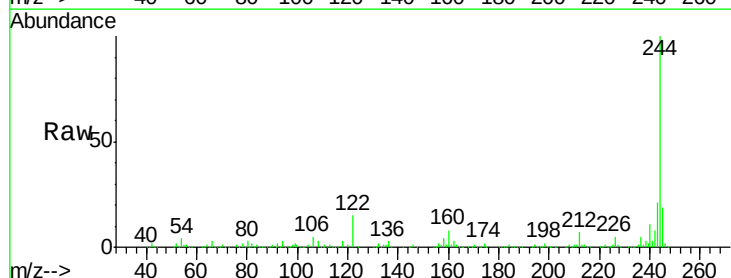
Tgt Ion:244 Resp: 381294

Ion Ratio Lower Upper

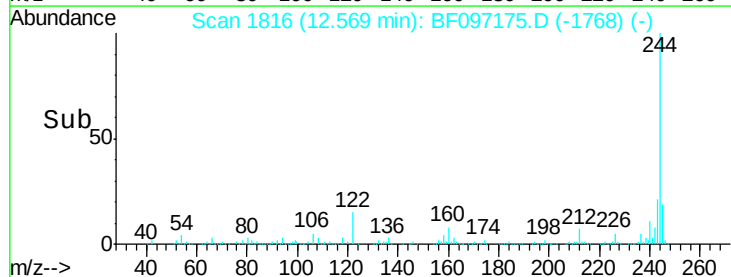
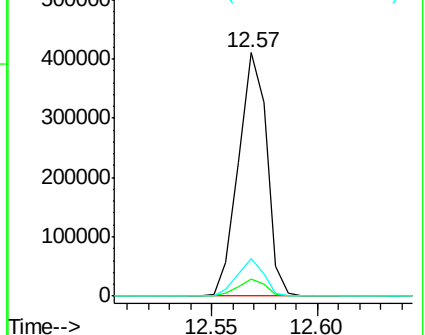
244 100

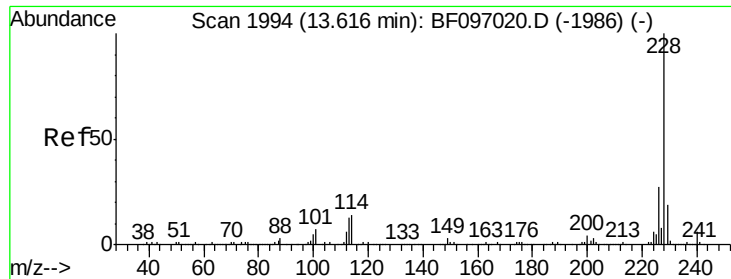
212 7.1 6.0 9.0

122 15.4 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

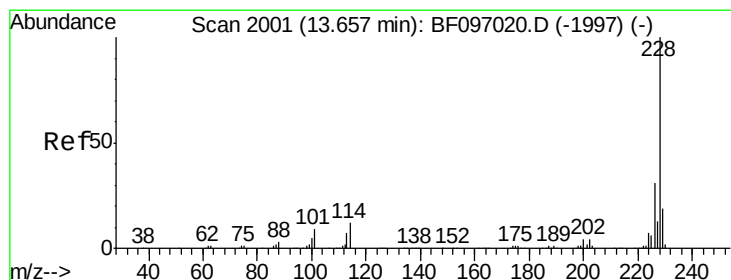
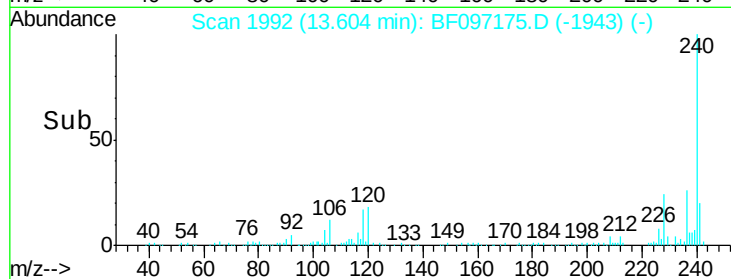
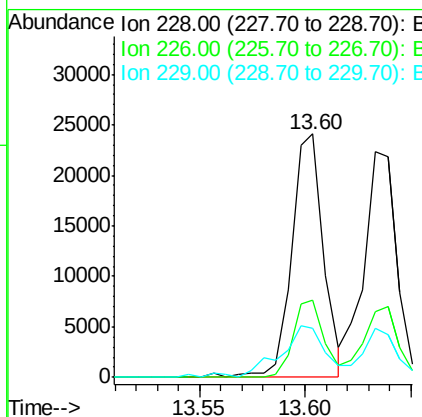
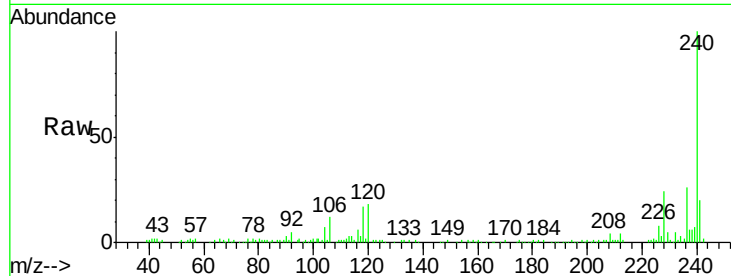




#80
Benzo(a)anthracene
Concen: 2.12 ng
RT: 13.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

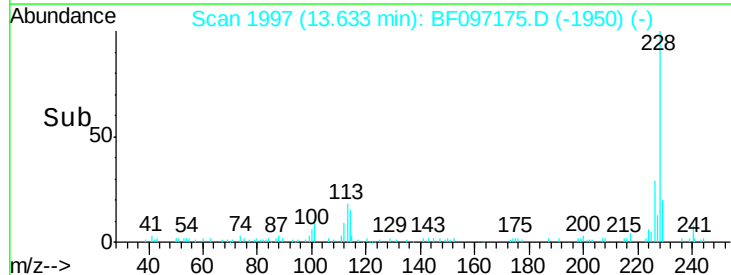
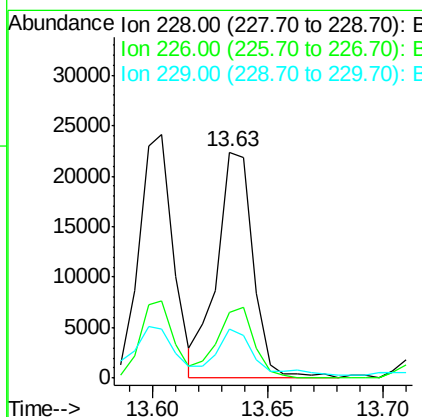
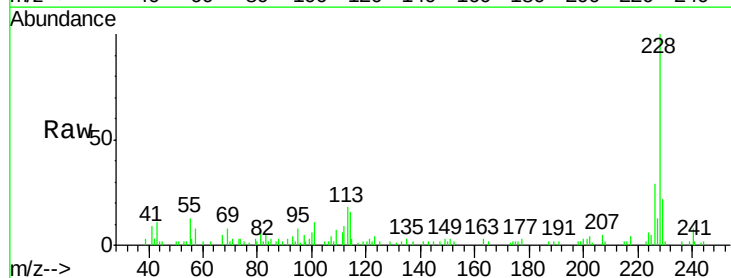
Instrument :
BNA_F
ClientSampleId :
TP-14D24

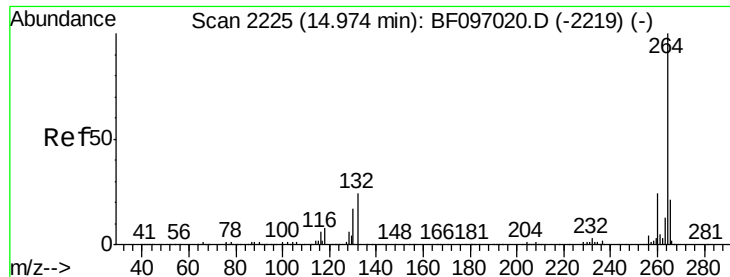
Tot Ion:228 Resp: 25326
Ion Ratio Lower Upper
228 100
226 32.0 22.6 33.8
229 20.2 16.3 24.5



#82
Chrysene
Concen: 2.10 ng
RT: 13.63 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Tgt Ion:228 Resp: 24583
Ion Ratio Lower Upper
228 100
226 28.9 24.9 37.3
229 21.8 15.8 23.6

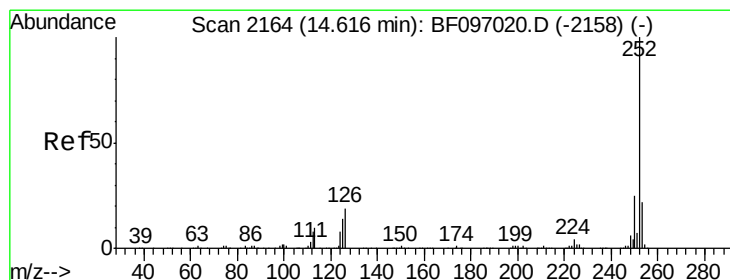
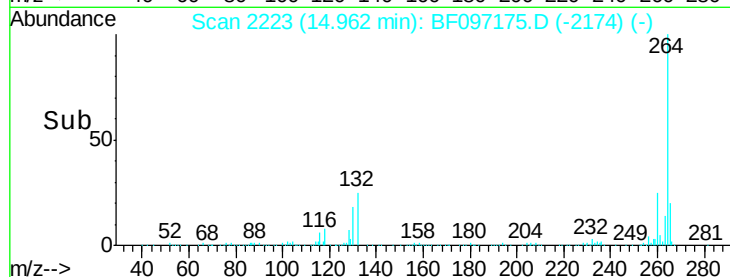
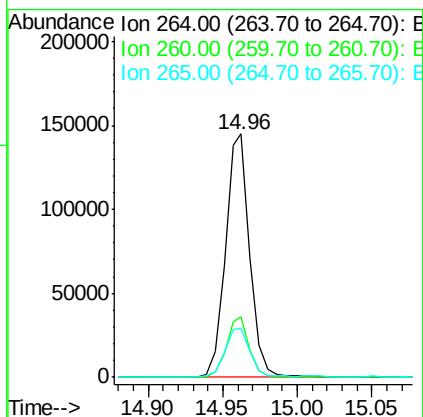
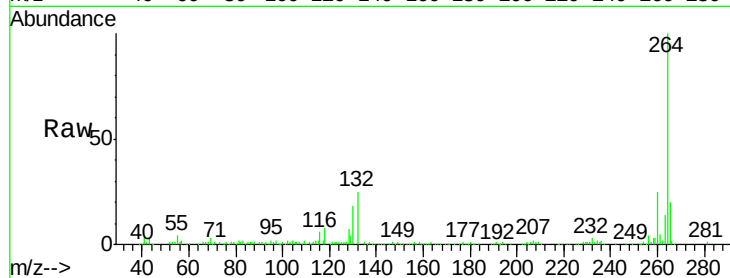




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

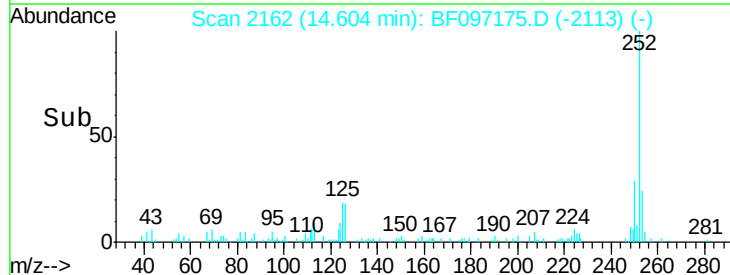
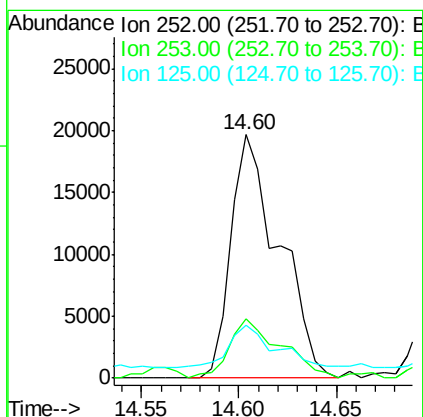
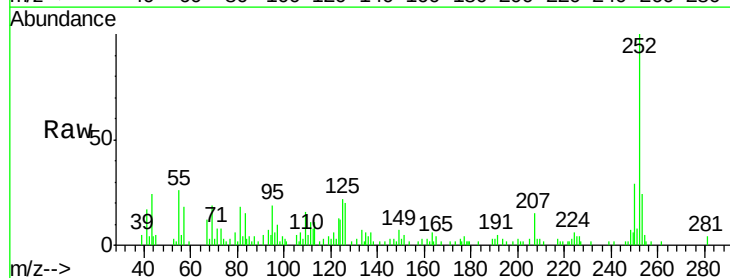
Instrument :
BNA_F
ClientSampleId :
TP-14D24

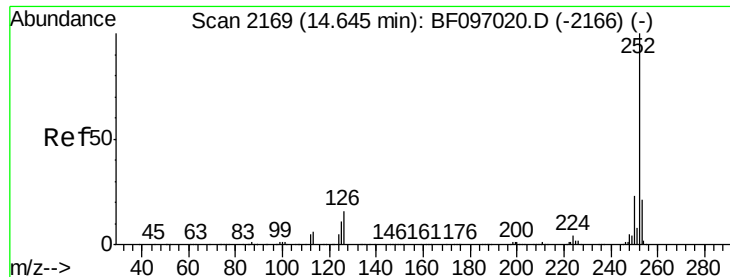
Tot Ion:264 Resp: 165343
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 20.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.37 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097175.D
Acq: 29 Jul 2017 1:10

Tgt Ion:252 Resp: 33533
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 21.9 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 3.54 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

Instrument :

BNA_F

ClientSampleId :

TP-14D24

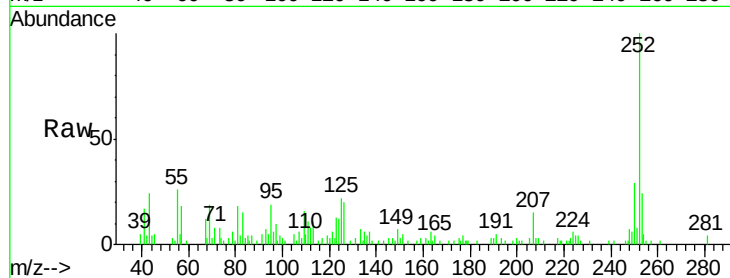
Tot Ion:252 Resp: 33533

Ion Ratio Lower Upper

252 100

253 24.5 18.4 27.6

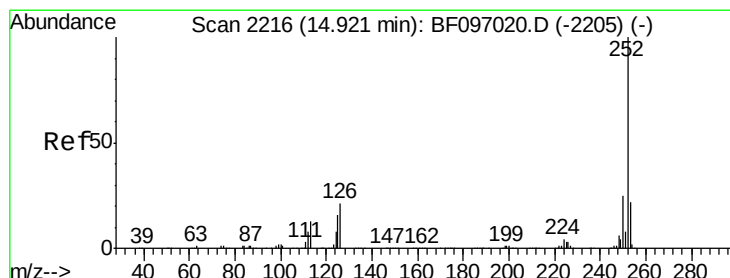
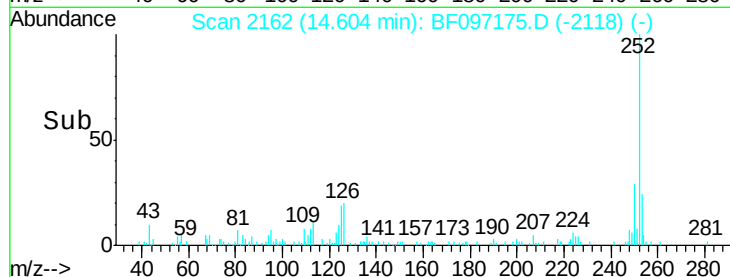
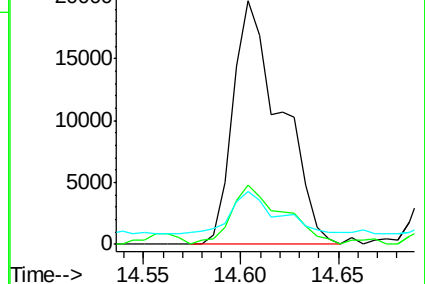
125 21.9 13.1 19.7#



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: 2.07 ng

RT: 14.91 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF097175.D

Acq: 29 Jul 2017 1:10

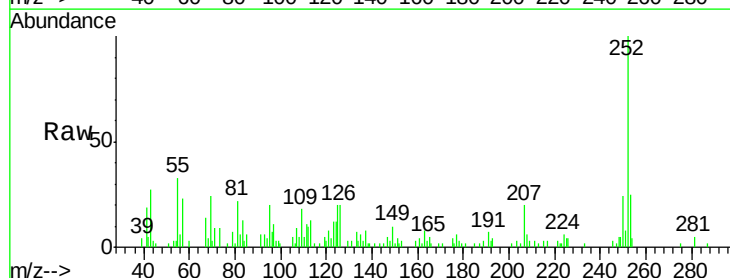
Tgt Ion:252 Resp: 18854

Ion Ratio Lower Upper

252 100

253 24.7 17.5 26.3

125 19.8 11.0 16.4#



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

