

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097174.D
 Acq On : 29 Jul 2017 00:42
 Operator : SJ/JU
 Sample : I4456-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SS-5

Quant Time: Jul 29 01:52:42 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

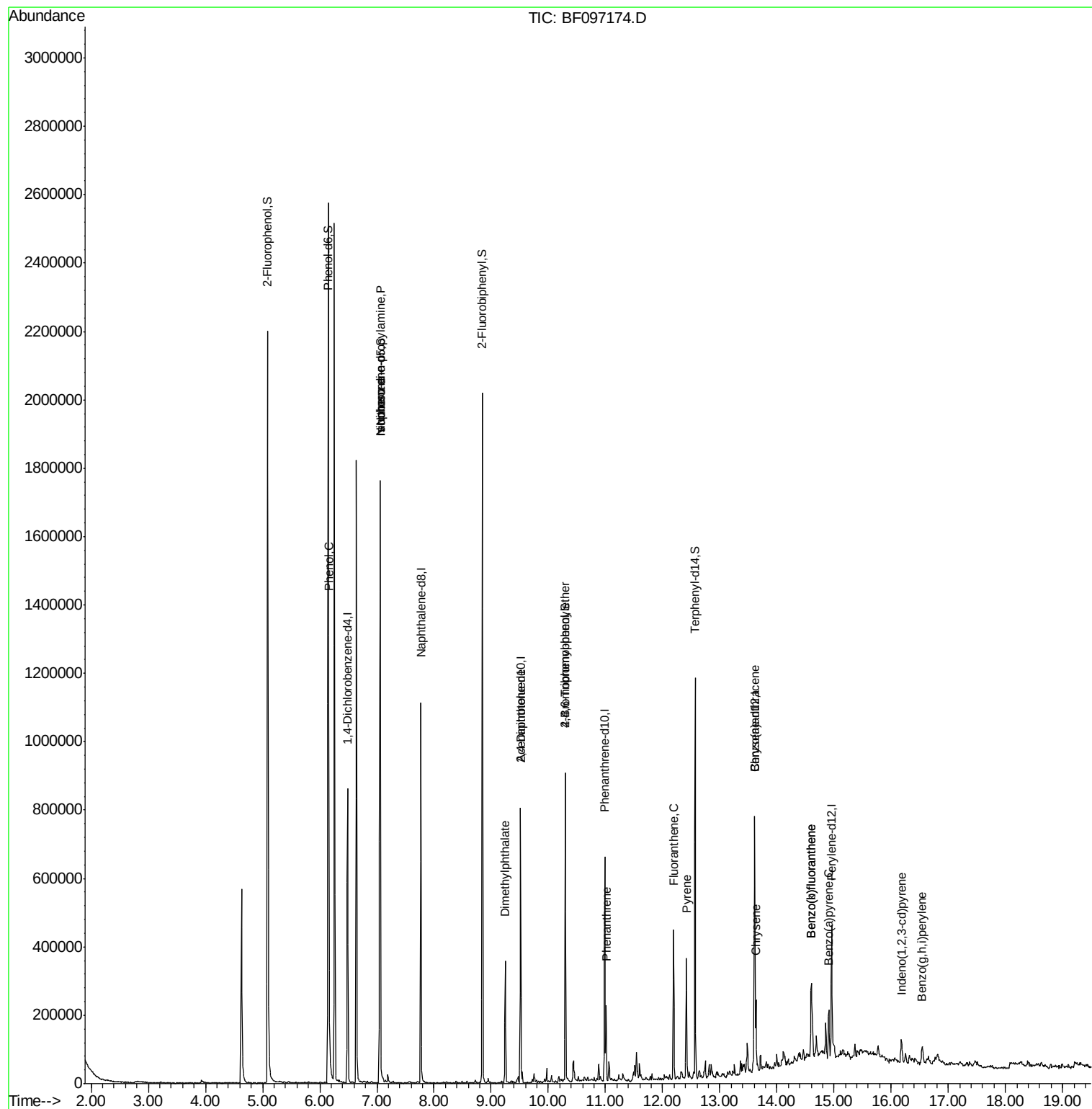
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	117931	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	459263	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	163338	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	209436	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	216280	20.00	ng	-0.02
86) Perylene-d12	14.96	264	157225	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	676189	86.44	ng	-0.01
7) Phenol-d6	6.15	99	935795	104.78	ng	-0.02
23) Nitrobenzene-d5	7.06	82	544039	69.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	91968	71.26	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	596794	62.01	ng	-0.02
78) Terphenyl-d14	12.57	244	322362	30.39	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.16	94	26090	2.46	ng	96
19) n-Nitroso-di-n-propylamine	7.06	70	72166	12.28	ng	# 87
25) Isophorone	7.06	82	538840	35.15	ng	# 67
49) Dimethylphthalate	9.25	163	123538	9.96	ng	97
56) 2,4-Dinitrotoluene	9.51	165	20865	6.90	ng	# 33
66) 4-Bromophenyl-phenylether	10.30	248	5701	2.73	ng	# 1
70) Phenanthrene	11.01	178	74640	6.65	ng	98
74) Fluoranthene	12.19	202	161332	14.68	ng	98
77) Pyrene	12.42	202	135208	7.64	ng	98
80) Benzo(a)anthracene	13.60	228	78324	5.60	ng	100
82) Chrysene	13.64	228	78448	5.74	ng	99
85) Indeno(1,2,3-cd)pyrene	16.18	276	31853	2.72	ng	97
87) Benzo(b)fluoranthene	14.60	252	123291	13.05	ng	# 96
88) Benzo(k)fluoranthene	14.60	252	123291	13.69	ng	99
89) Benzo(a)pyrene	14.91	252	55902	6.46	ng	100
91) Benzo(g,h,i)perylene	16.54	276	28515	3.83	ng	# 89

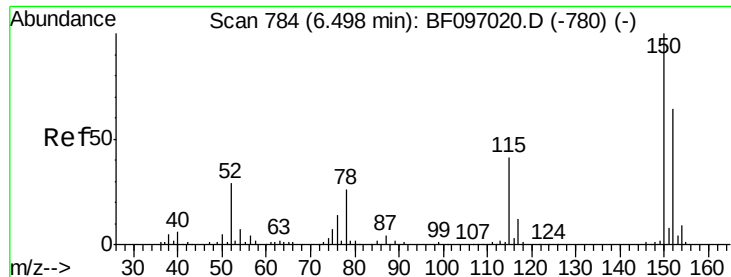
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

ClientSampleId :

TP-13-SS-5

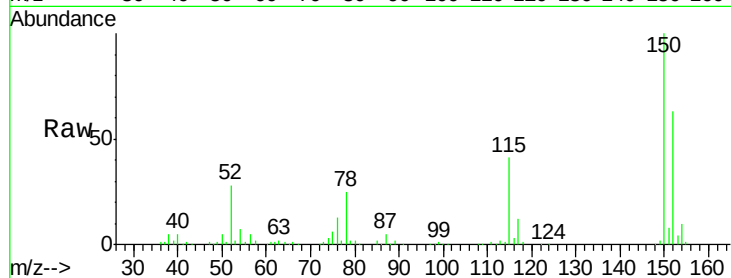
Tot Ion:152 Resp: 117931

Ion Ratio Lower Upper

152 100

150 158.3 126.2 189.2

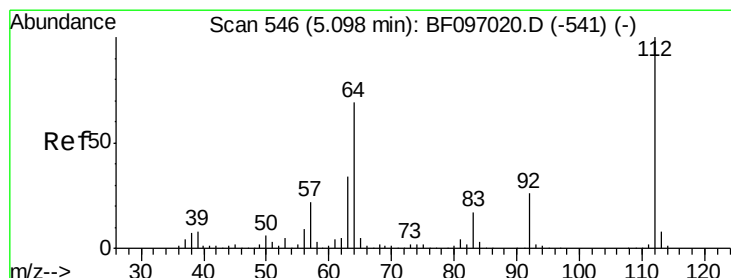
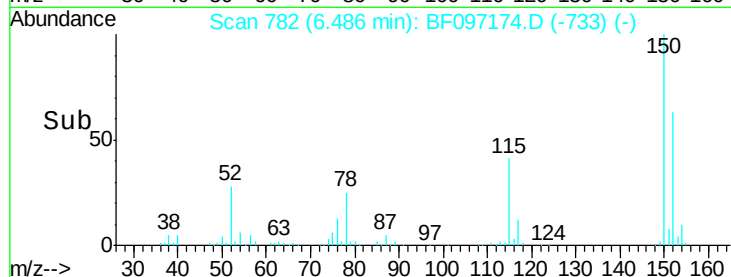
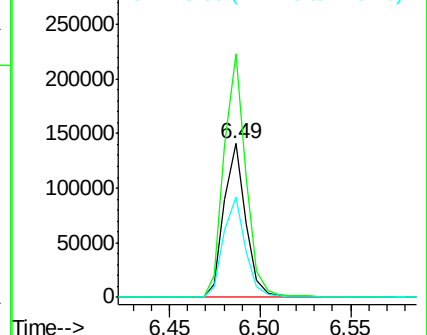
115 64.8 52.2 78.2



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: 86.44 ng

RT: 5.09 min Scan# 544

Delta R.T. -0.01 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

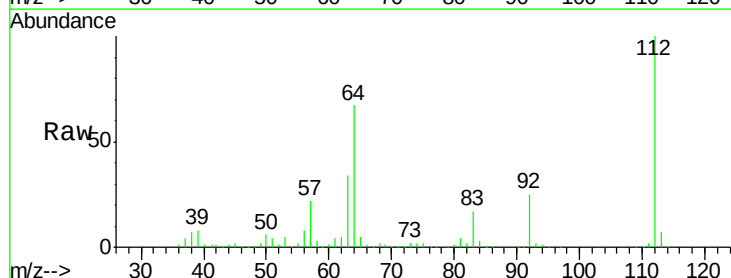
Tgt Ion:112 Resp: 676189

Ion Ratio Lower Upper

112 100

64 67.0 46.0 69.0

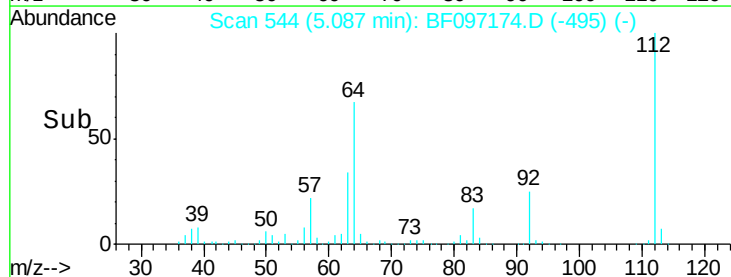
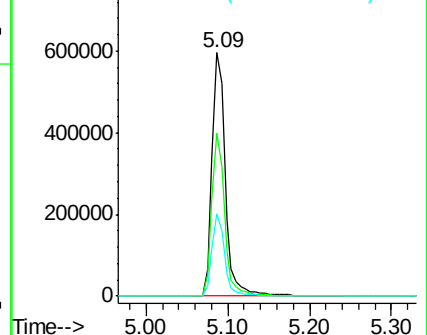
63 34.0 23.4 35.0

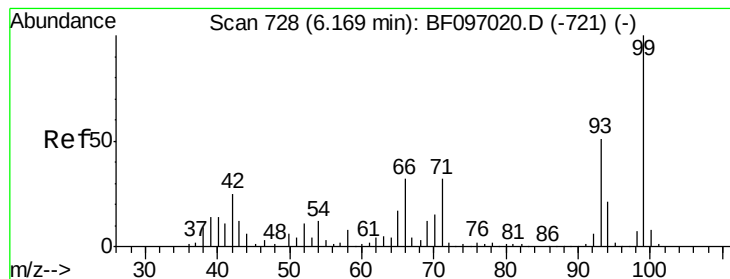


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.78 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

ClientSampleId :

TP-13-SS-5

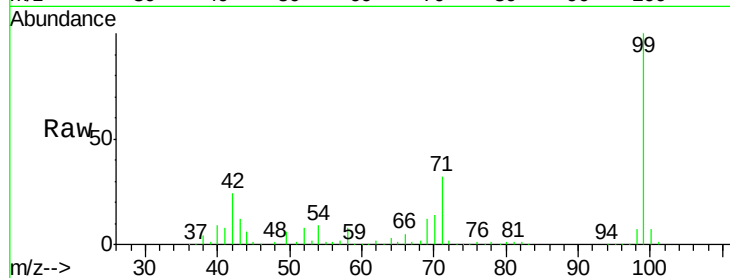
Tot Ion: 99 Resp: 935795

Ion Ratio Lower Upper

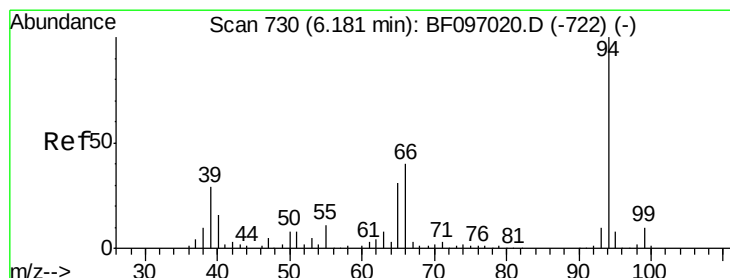
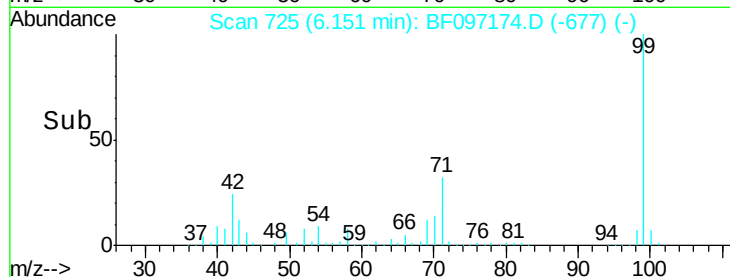
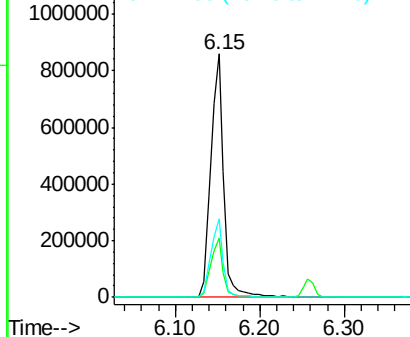
99 100

42 24.3 13.5 20.3#

71 32.1 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: 2.46 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

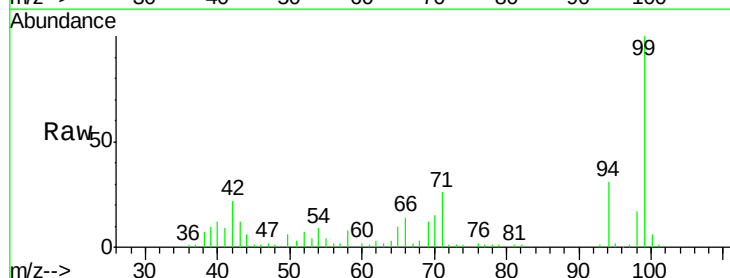
Tgt Ion: 94 Resp: 26090

Ion Ratio Lower Upper

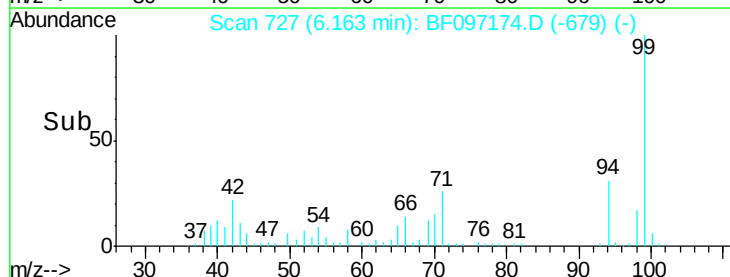
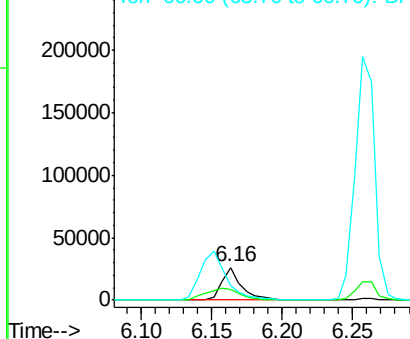
94 100

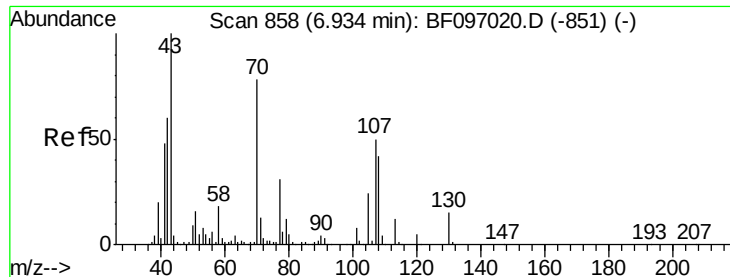
65 32.9 9.9 49.9

66 45.3 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

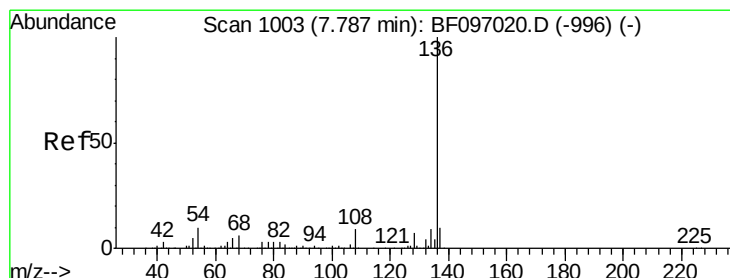
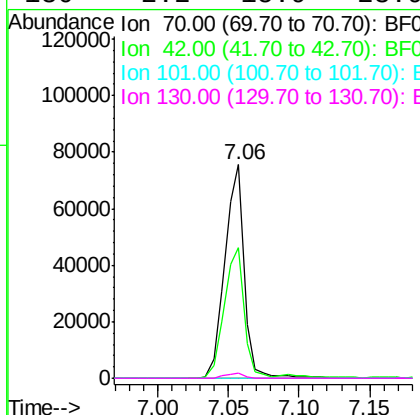
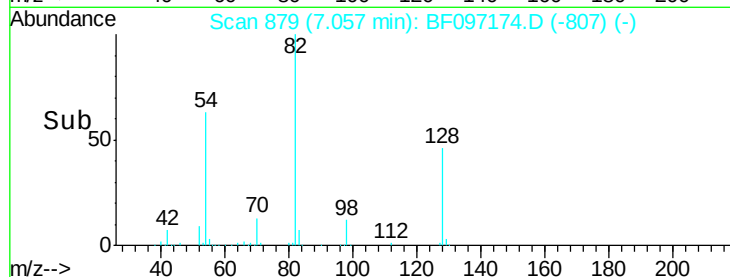
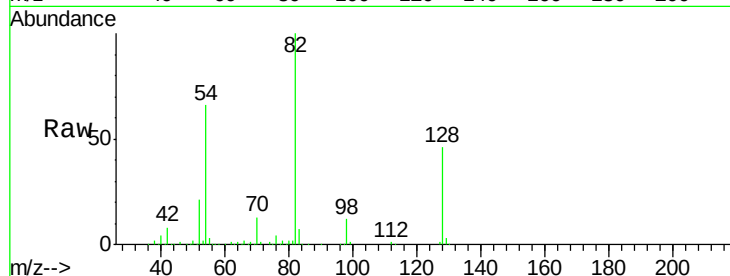




#19
n-Nitroso-di-n-propylamine
Concen: 12.28 ng
RT: 7.06 min Scan# 879
Delta R.T. 0.12 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

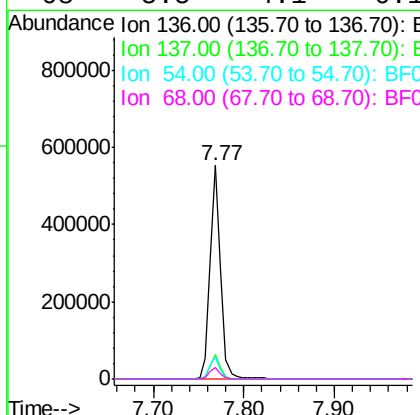
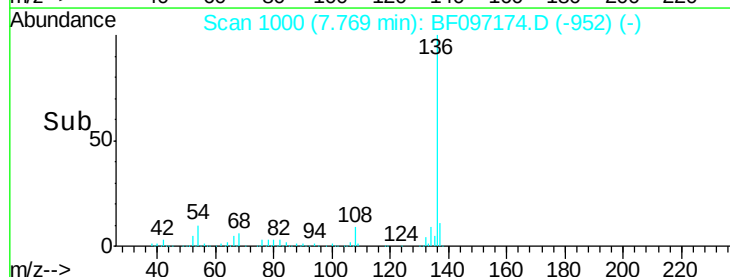
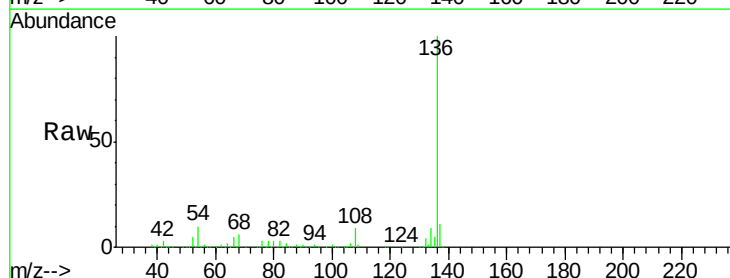
Instrument :
BNA_F
ClientSampleId :
TP-13-SS-5

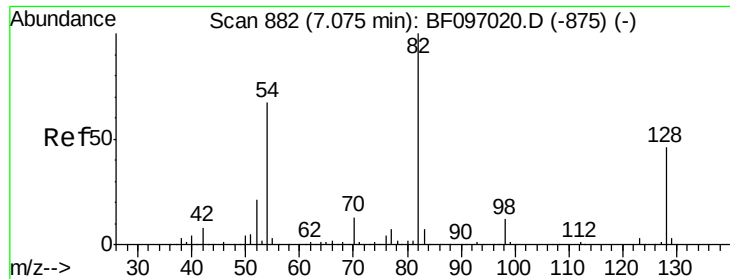
Tot Ion: 70 Resp: 72166
Ion Ratio Lower Upper
70 100
42 61.0 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Tgt Ion: 136 Resp: 459263
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.4 4.9 7.3#
68 5.5 4.1 6.1

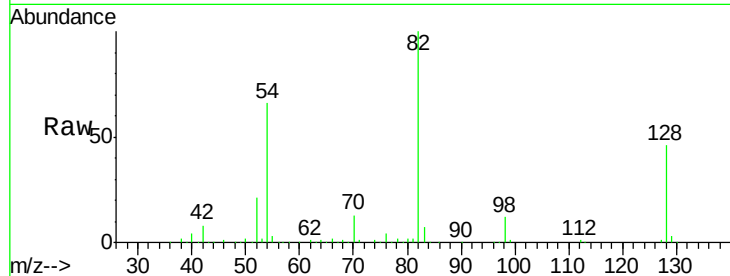




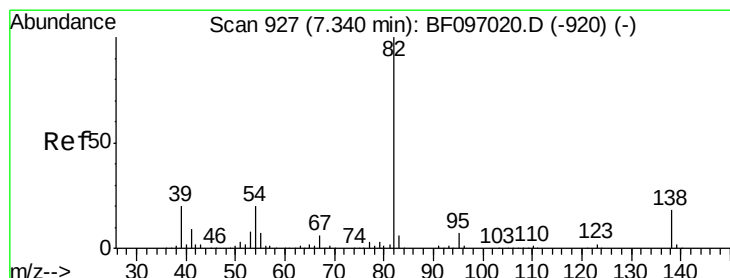
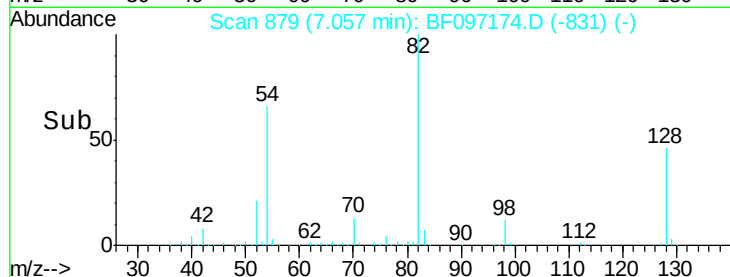
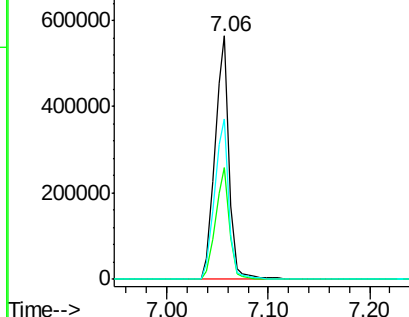
#23
 Nitrobenzene-d5
 Concen: 69.49 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SS-5

Tot Ion: 82 Resp: 544039
 Ion Ratio Lower Upper
 82 100
 128 46.1 34.0 51.0
 54 66.1 42.2 63.2#

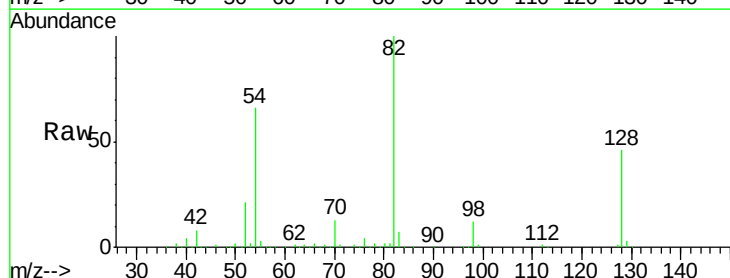


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

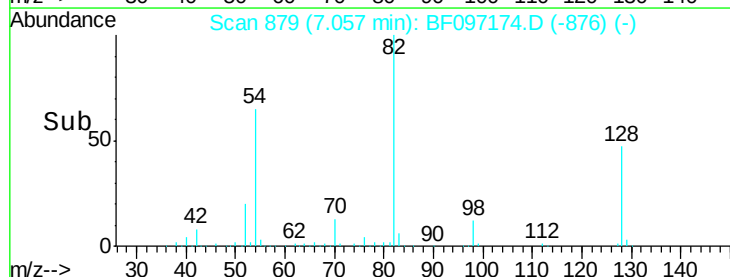
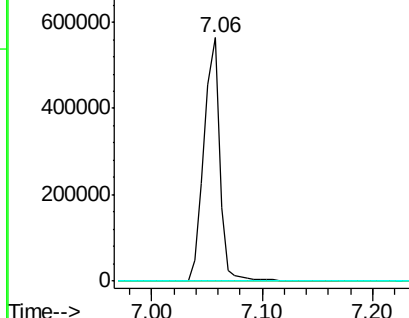


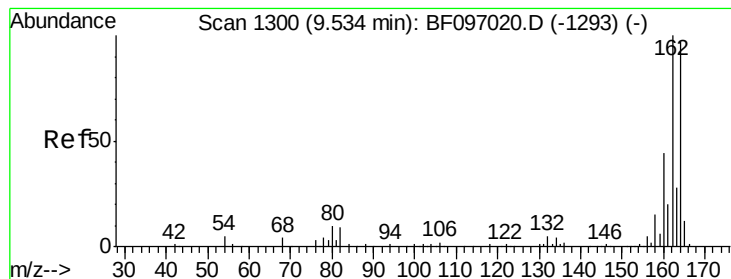
#25
 Isophorone
 Concen: 35.15 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

Tgt Ion: 82 Resp: 538840
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#



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: 9.52 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

ClientSampleId :

TP-13-SS-5

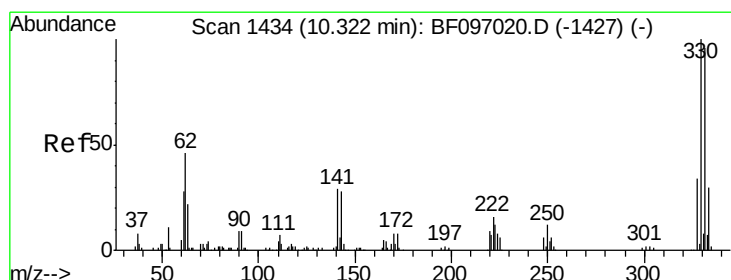
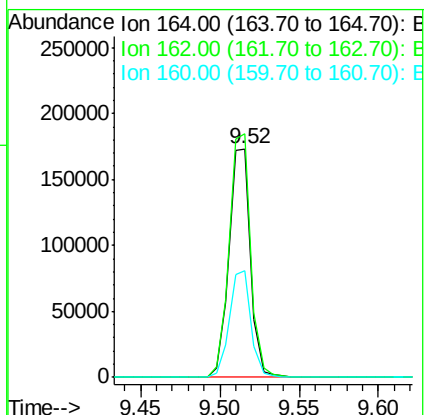
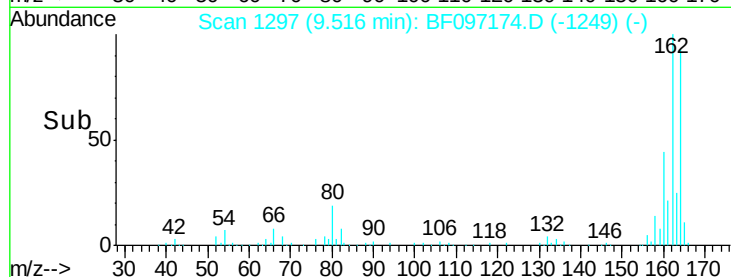
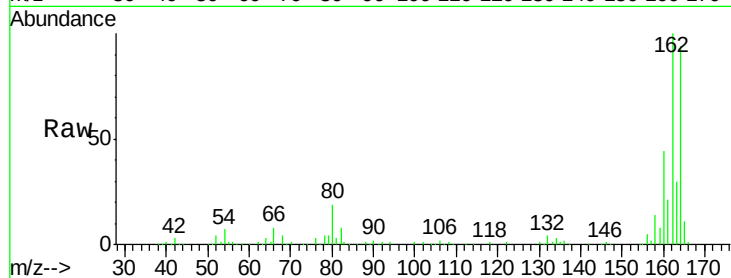
Tot Ion:164 Resp: 163338

Ion Ratio Lower Upper

164 100

162 106.6 82.6 123.8

160 46.4 36.2 54.2



#41

2,4,6-Tribromophenol

Concen: 71.26 ng

RT: 10.30 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

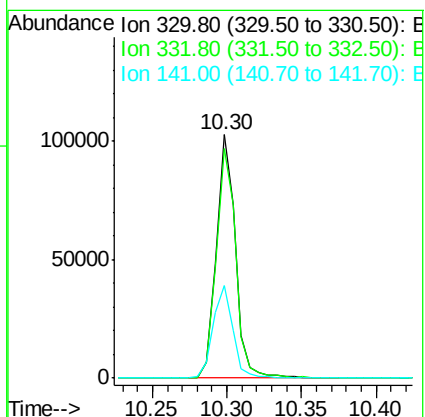
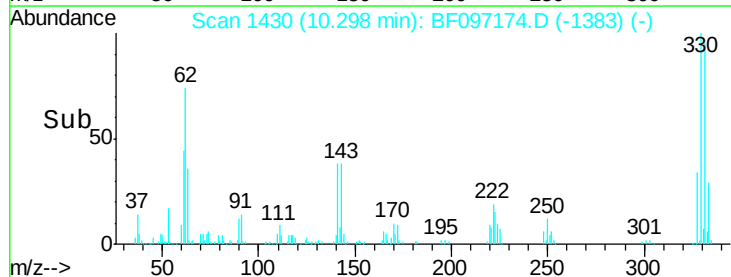
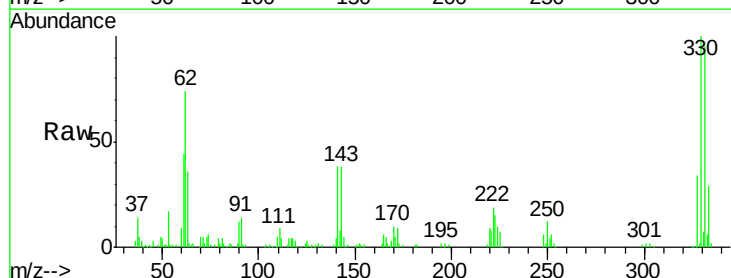
Tgt Ion:330 Resp: 91968

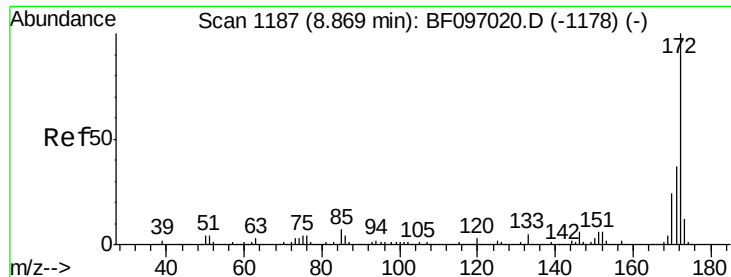
Ion Ratio Lower Upper

330 100

332 97.1 76.6 115.0

141 39.3 31.4 47.2

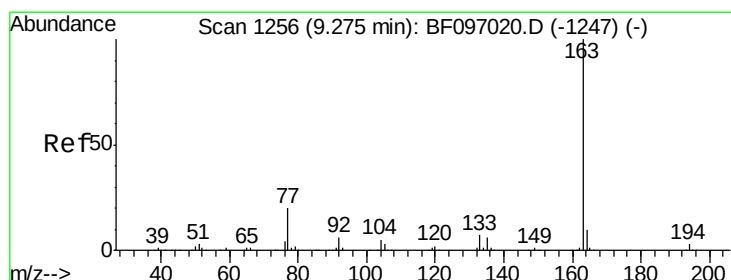
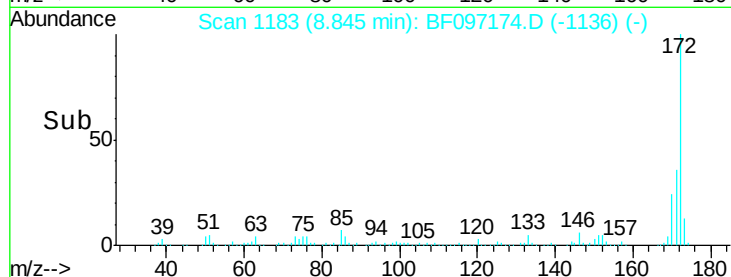
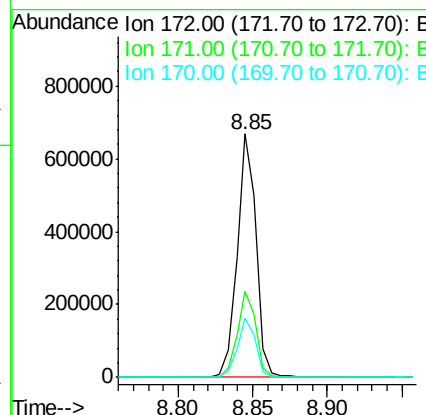
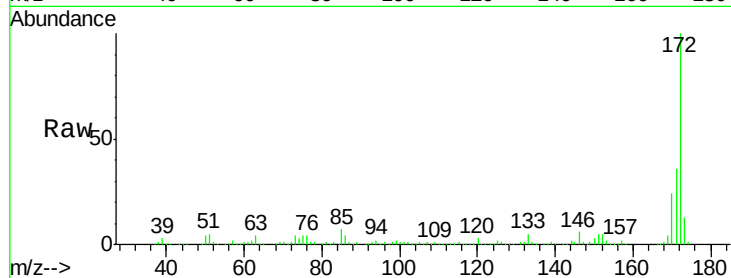




#44
2-Fluorobiphenyl
Concen: 62.01 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

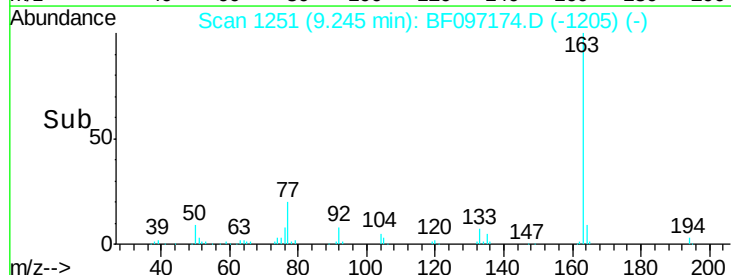
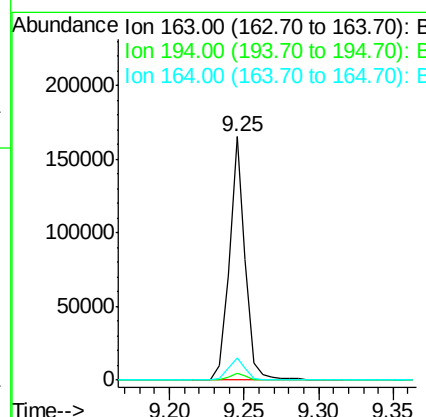
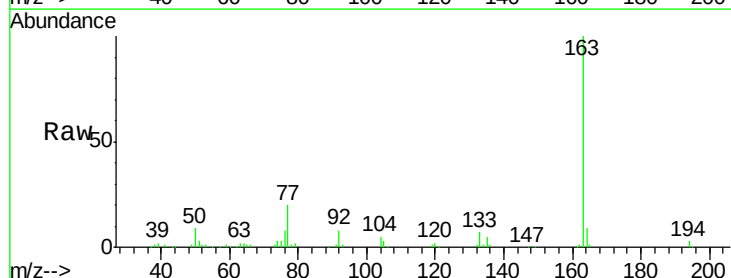
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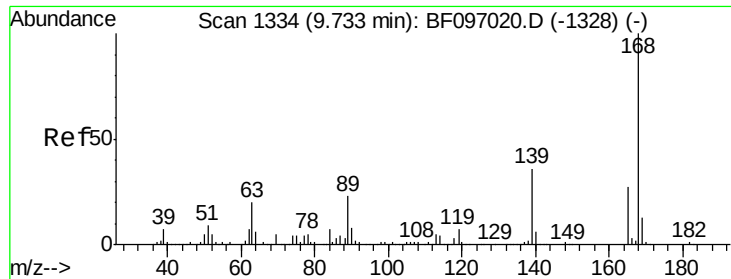
Tot Ion:172 Resp: 596794
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 24.2 19.8 29.8



#49
Dimethylphthalate
Concen: 9.96 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Tgt Ion:163 Resp: 123538
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 9.3 8.4 12.6

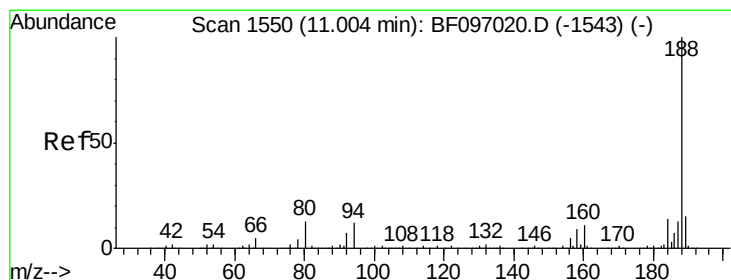
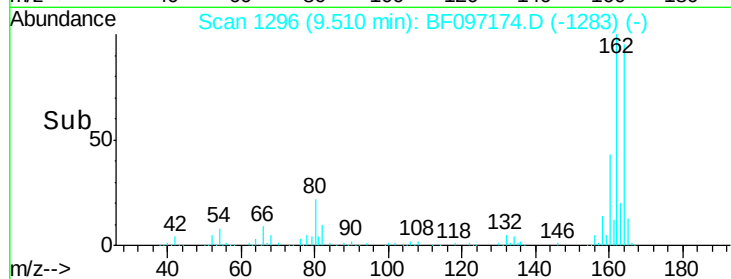
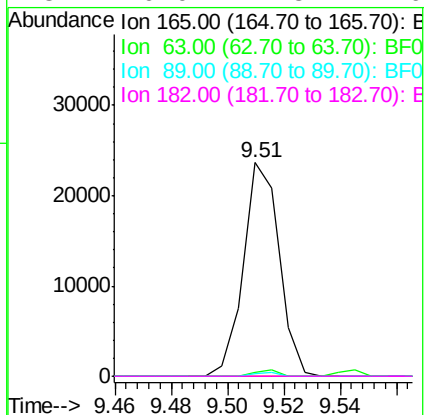
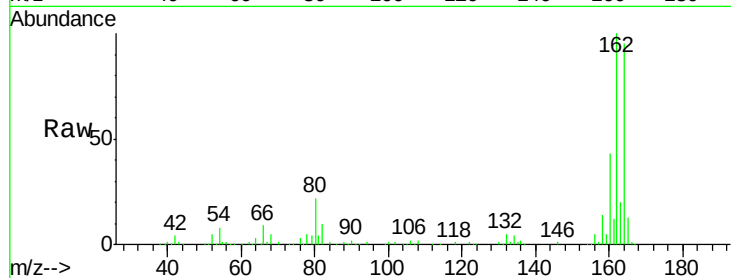




#56
 2,4-Dinitrotoluene
 Concen: 6.90 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.22 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

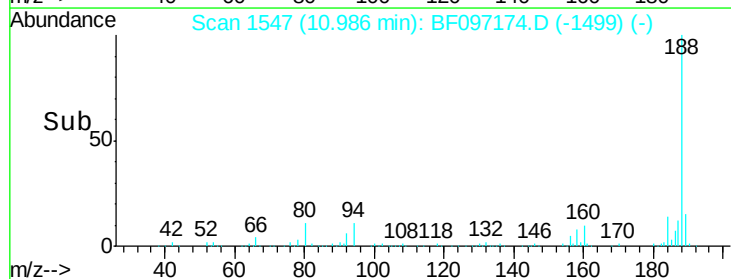
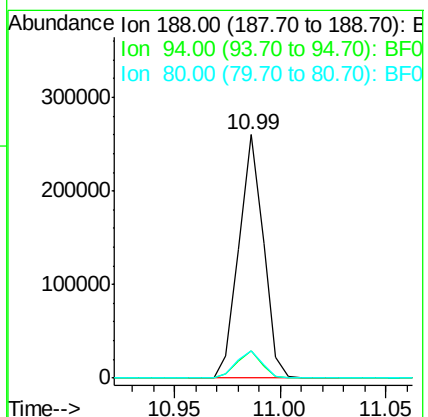
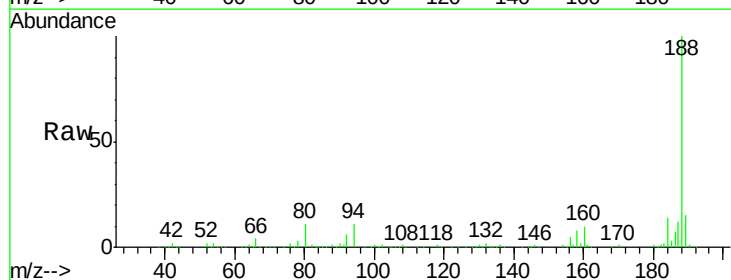
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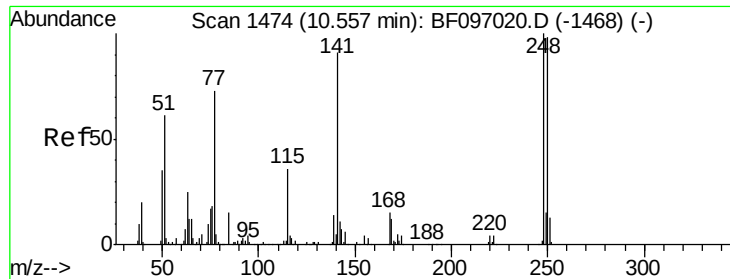
Tot Ion:165	Resp:	20865
Ion Ratio	Lower	Upper
165	100	
63	2.0	25.4 38.0#
89	1.4	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

Tgt Ion:188	Resp:	209436
Ion Ratio	Lower	Upper
188	100	
94	11.2	9.4 14.2
80	11.0	10.2 15.2

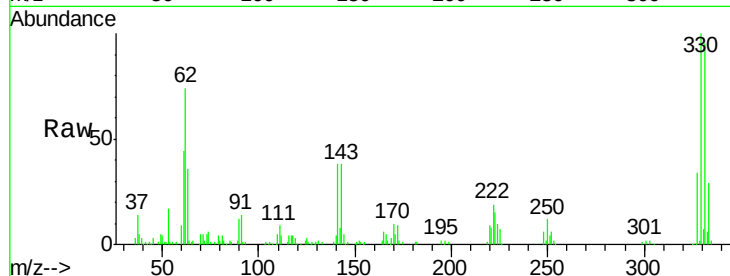




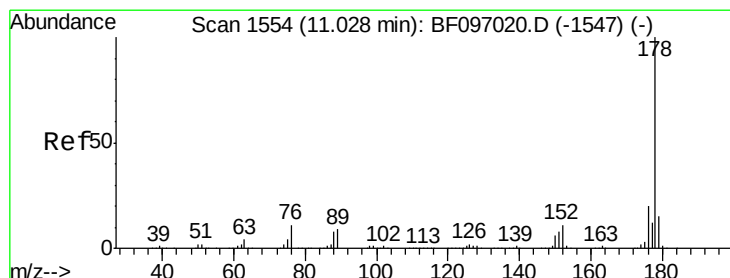
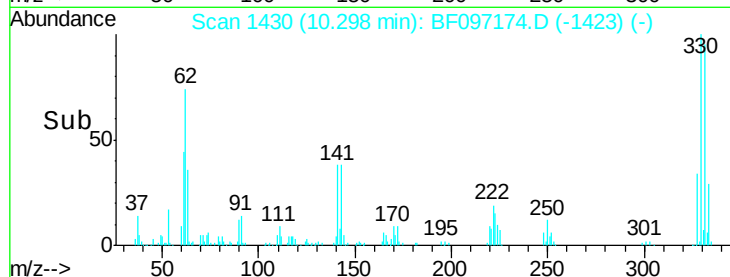
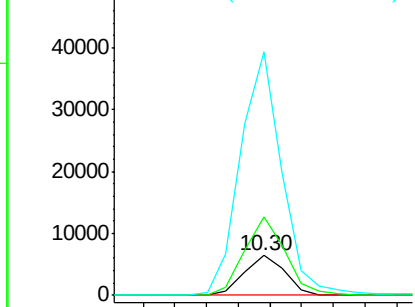
#66
 4-Bromophenyl-phenylether
 Concen: 2.73 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.26 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

Instrument :
 BNA_F
 ClientSampled :
 TP-13-SS-5

Tot Ion:248 Resp: 5701
 Ion Ratio Lower Upper
 248 100
 250 196.9 76.8 115.2#
 141 614.5 68.6 103.0#

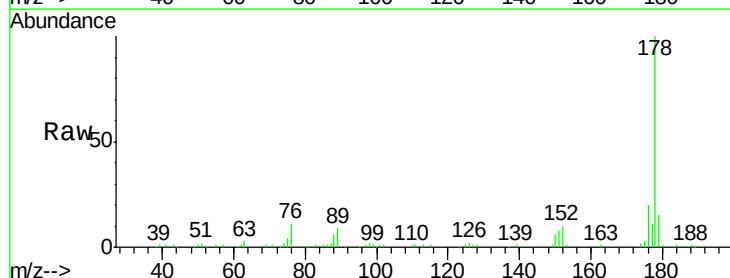


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

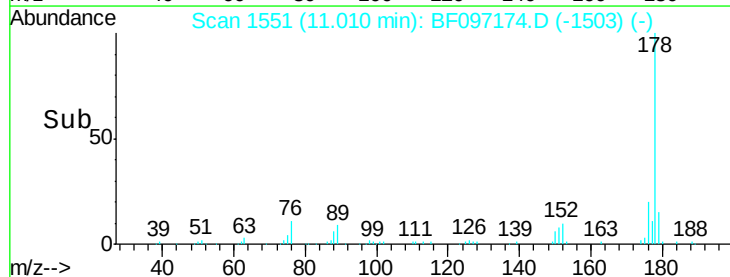
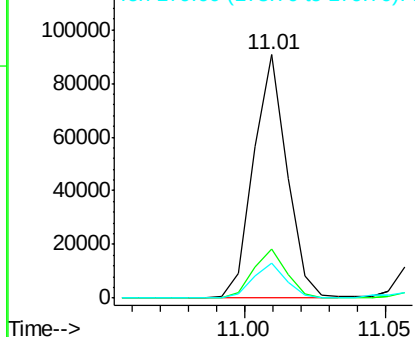


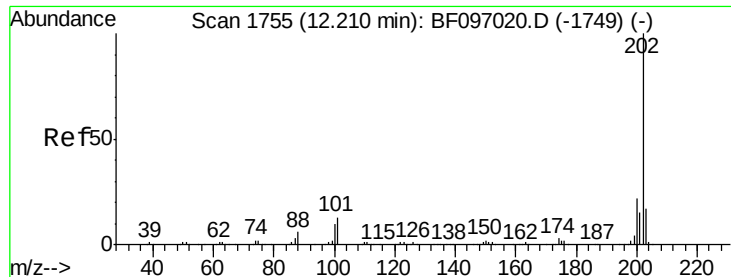
#70
 Phenanthrene
 Concen: 6.65 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

Tgt Ion:178 Resp: 74640
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.2 24.4
 179 14.6 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: 14.68 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

ClientSampleId :

TP-13-SS-5

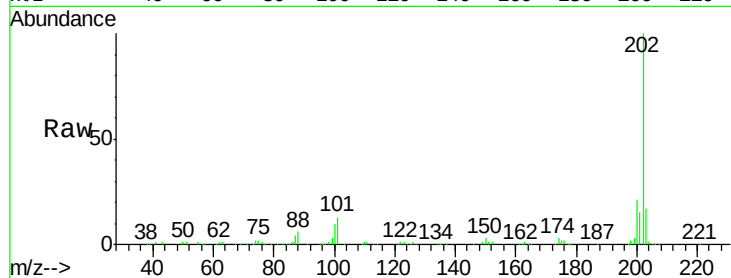
Tot Ion:202 Resp: 161332

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

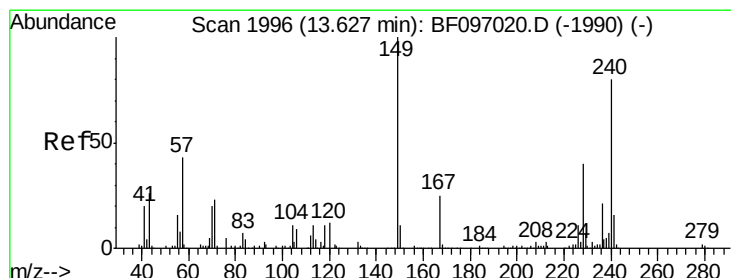
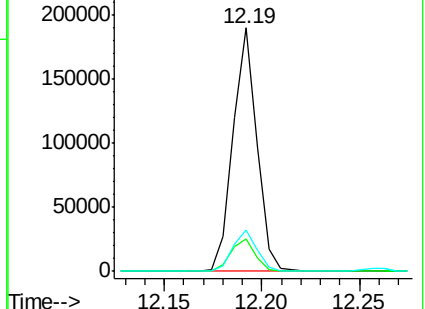
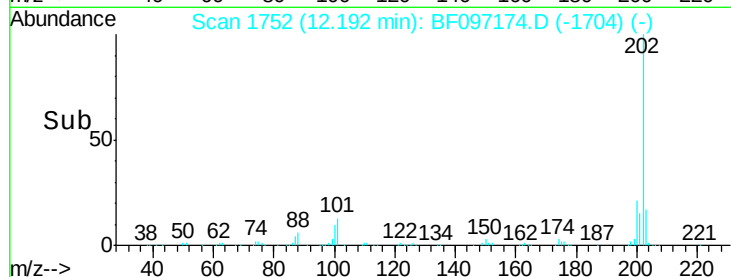
203 17.0 0.0 38.1



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: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

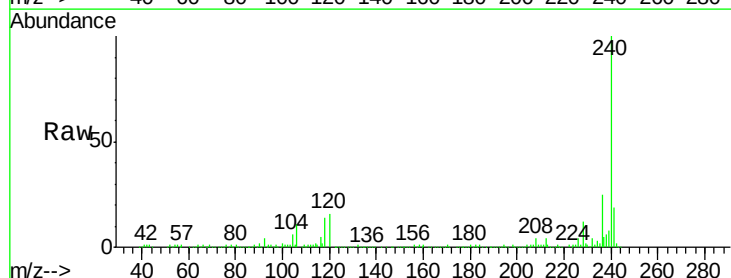
Tgt Ion:240 Resp: 216280

Ion Ratio Lower Upper

240 100

120 16.0 5.8 8.8#

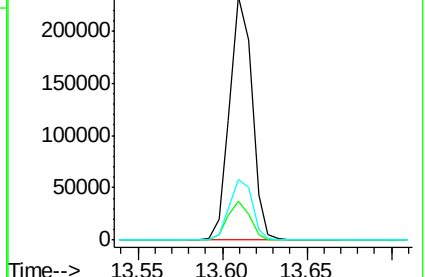
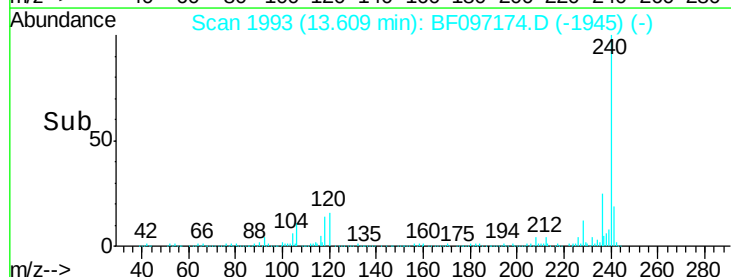
236 24.7 20.5 30.7

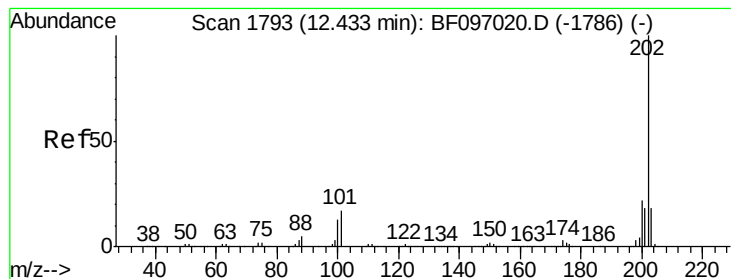


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.64 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

ClientSampleId :

TP-13-SS-5

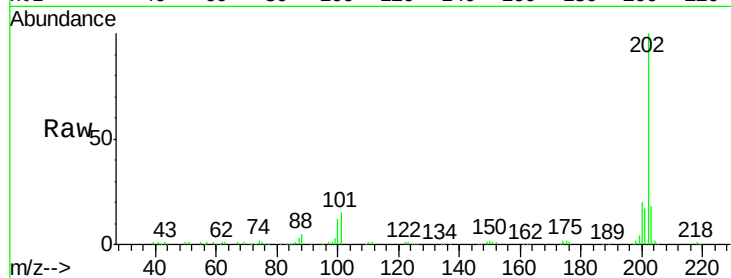
Tot Ion:202 Resp: 135208

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

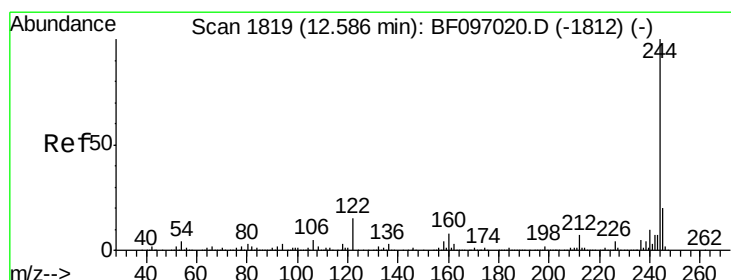
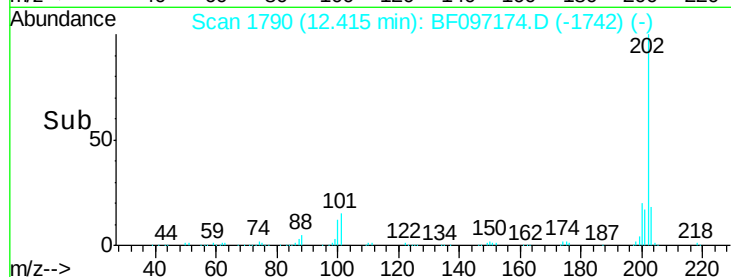
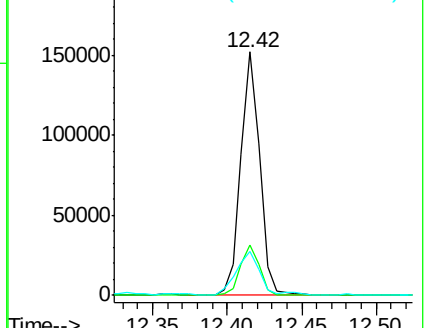
203 18.1 14.4 21.6



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: 30.39 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

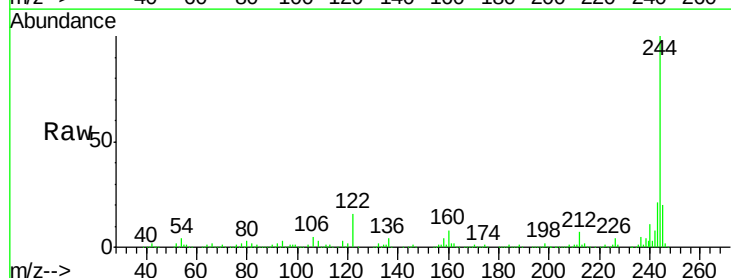
Tgt Ion:244 Resp: 322362

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

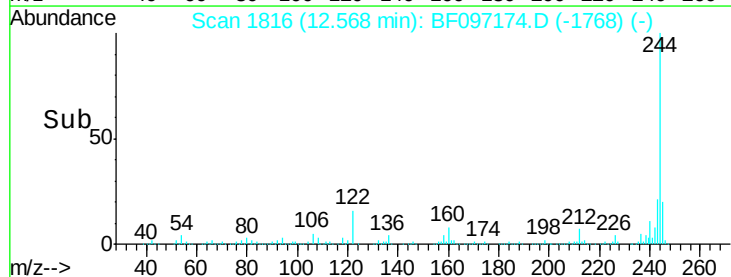
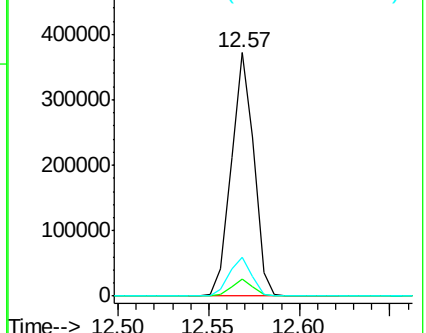
122 15.7 10.3 15.5#

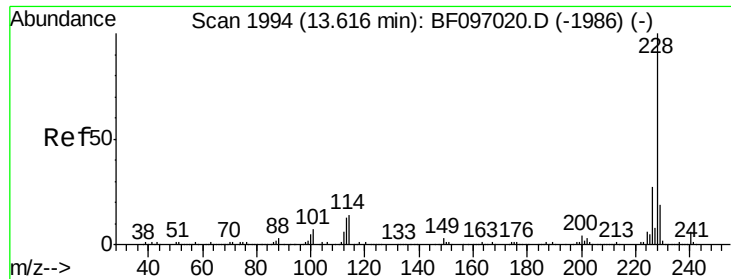


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.60 ng

RT: 13.60 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

ClientSampleId :

TP-13-SS-5

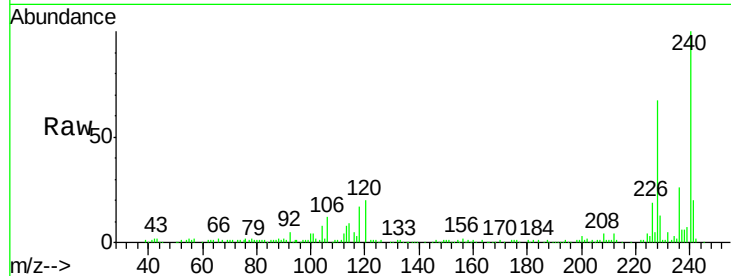
Tot Ion:228 Resp: 78324

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

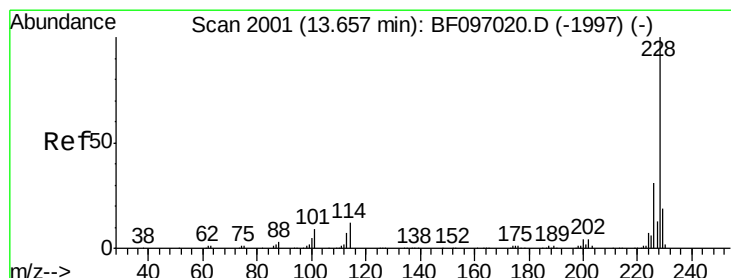
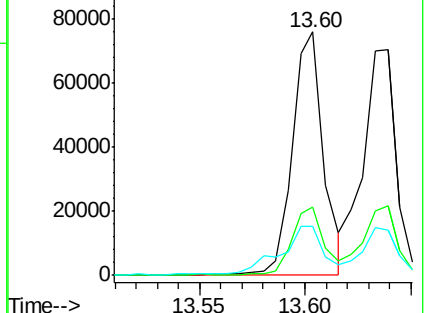
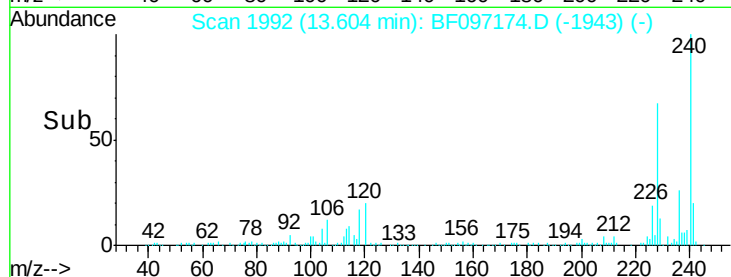
229 20.1 16.3 24.5



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: 5.74 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

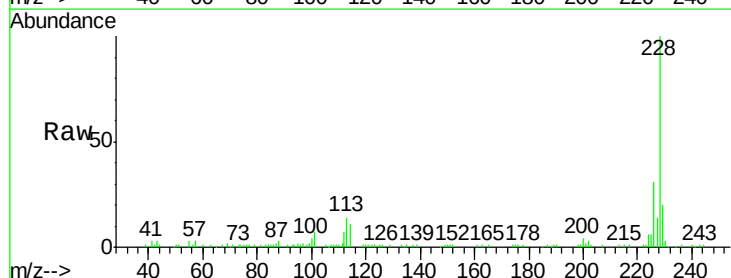
Tgt Ion:228 Resp: 78448

Ion Ratio Lower Upper

228 100

226 30.6 24.9 37.3

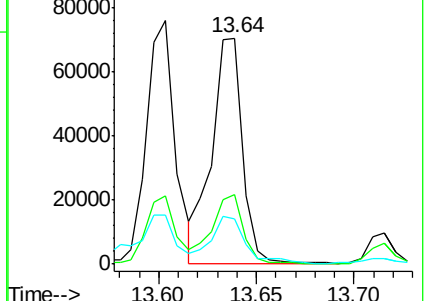
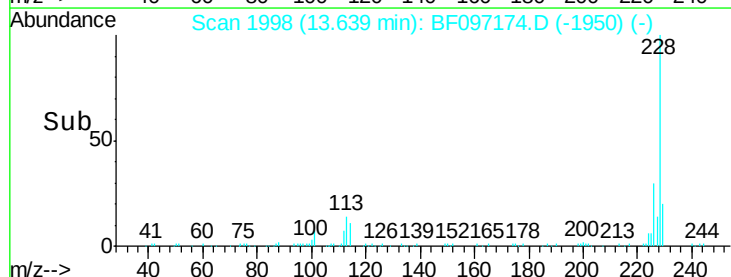
229 20.3 15.8 23.6

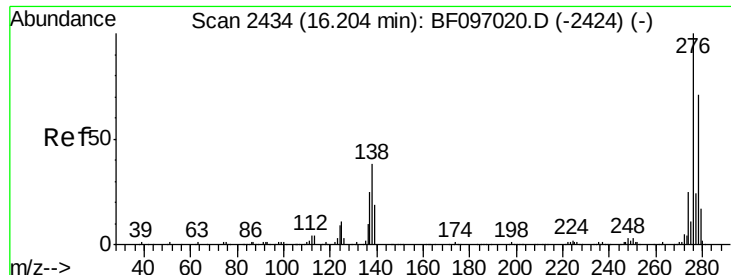


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

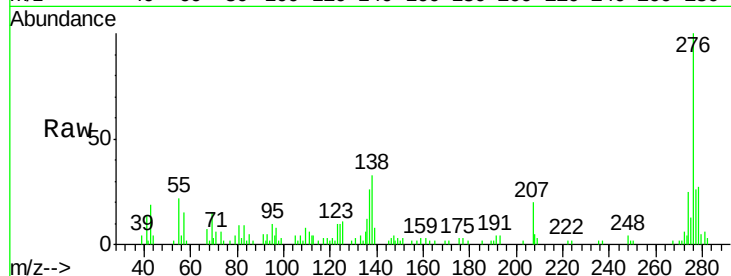




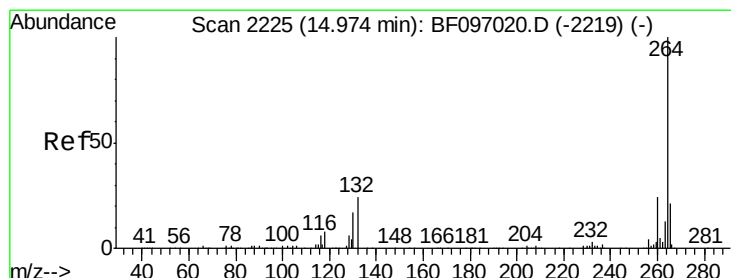
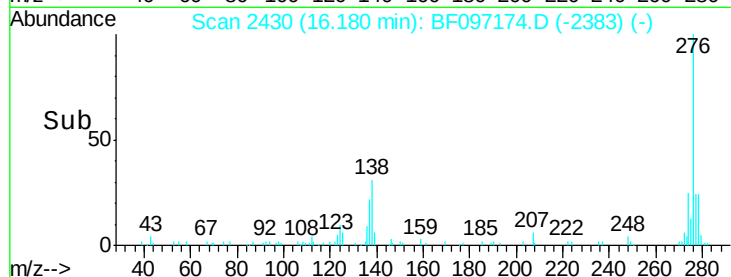
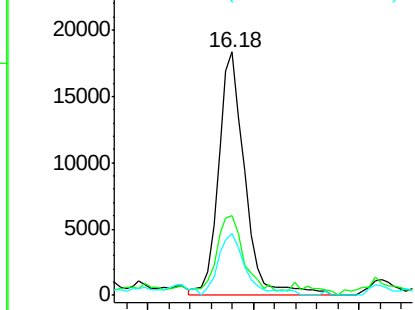
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.72 ng
 RT: 16.18 min Scan# 2430
 Delta R.T. -0.02 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SS-5

Tot Ion:276 Resp: 31853
 Ion Ratio Lower Upper
 276 100
 138 32.4 27.8 41.6
 277 26.6 20.2 30.4

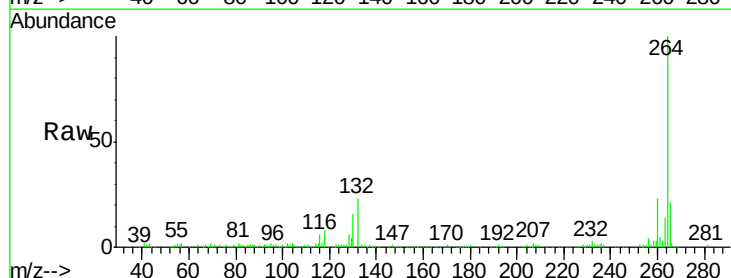


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

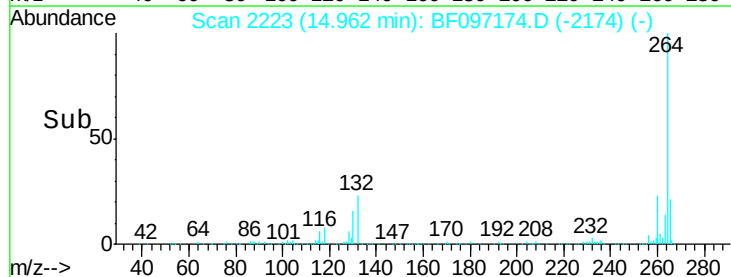
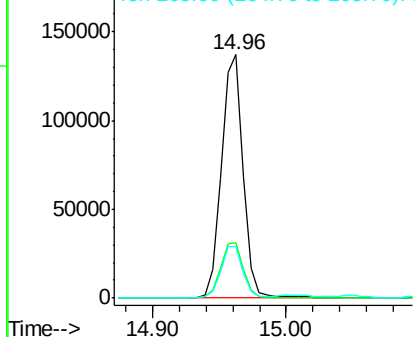


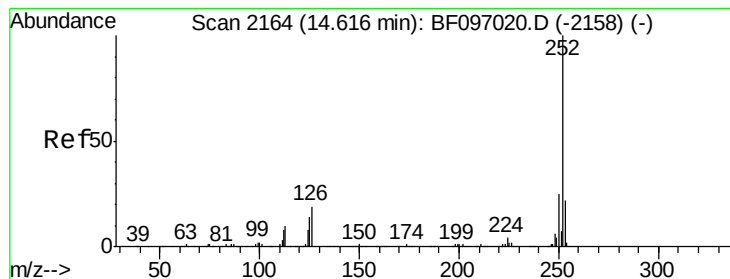
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.96 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

Tgt Ion:264 Resp: 157225
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.5 29.3
 265 21.1 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.05 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

ClientSampleId :

TP-13-SS-5

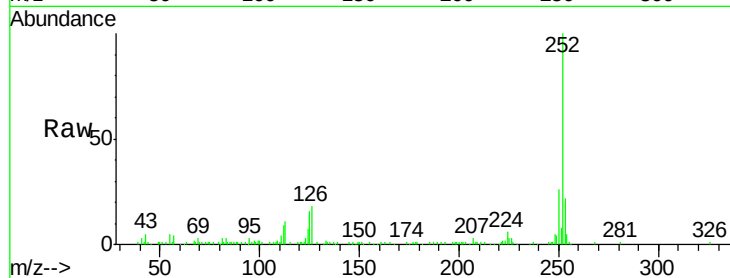
Tot Ion:252 Resp: 123291

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

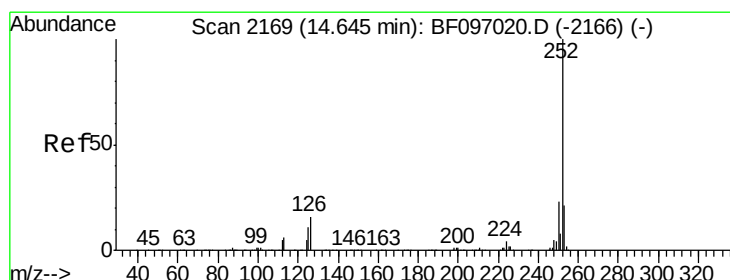
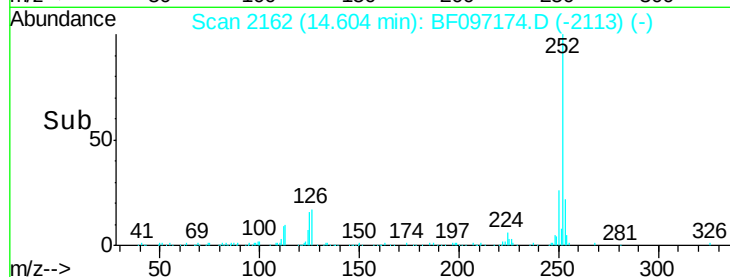
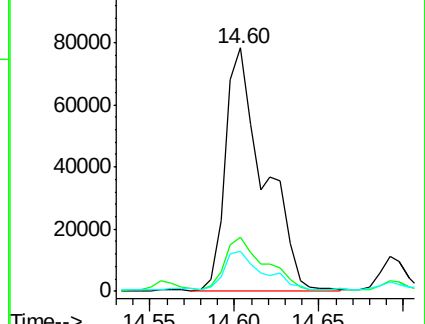
125 16.3 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 13.69 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

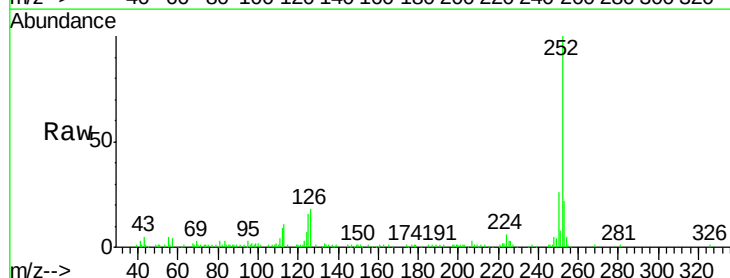
Tgt Ion:252 Resp: 123291

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

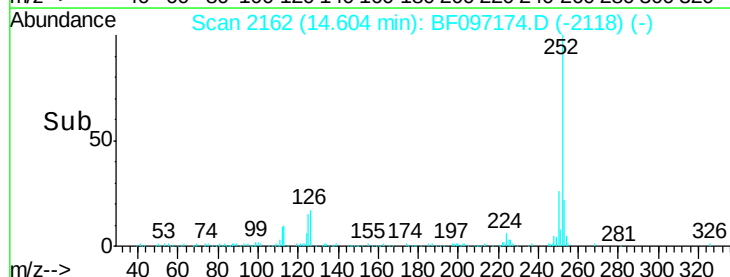
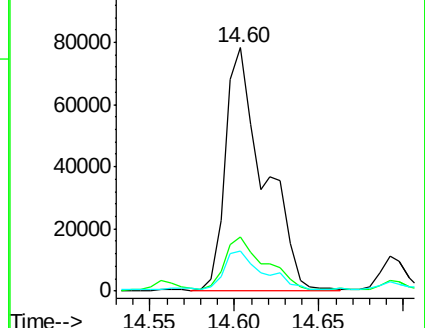
125 16.3 13.1 19.7

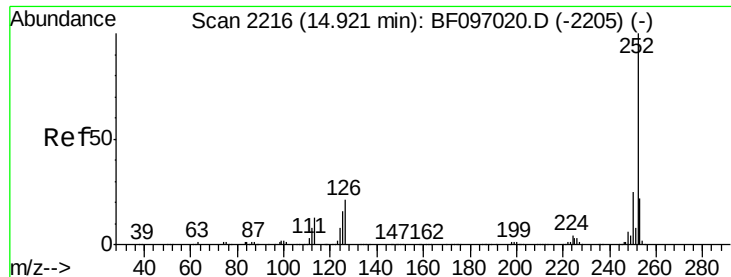


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

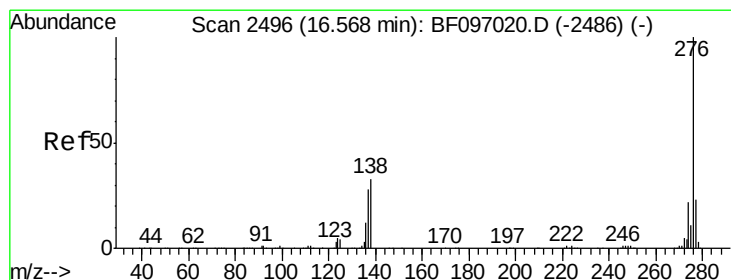
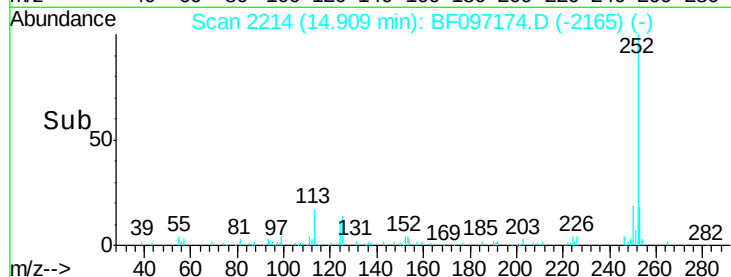
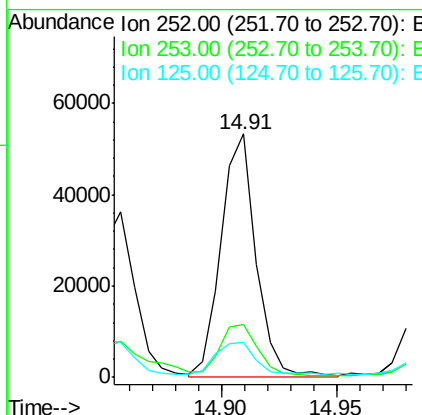
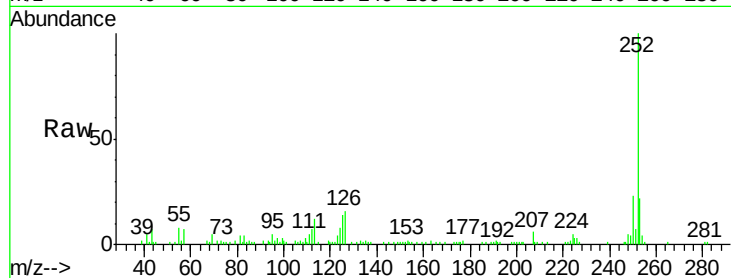




#89
Benzo(a)pyrene
Concen: 6.46 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Instrument :
BNA_F
ClientSampleId :
TP-13-SS-5

Tot Ion:252 Resp: 55902
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 14.1 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 3.83 ng
RT: 16.54 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Tgt Ion:276 Resp: 28515
Ion Ratio Lower Upper
276 100
277 27.3 18.6 28.0
138 38.8 25.4 38.0#

