

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097525.D
 Acq On : 9 Aug 2017 19:43
 Operator : SJ/JU
 Sample : I4681-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-18-COMP

Quant Time: Aug 10 01:06:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

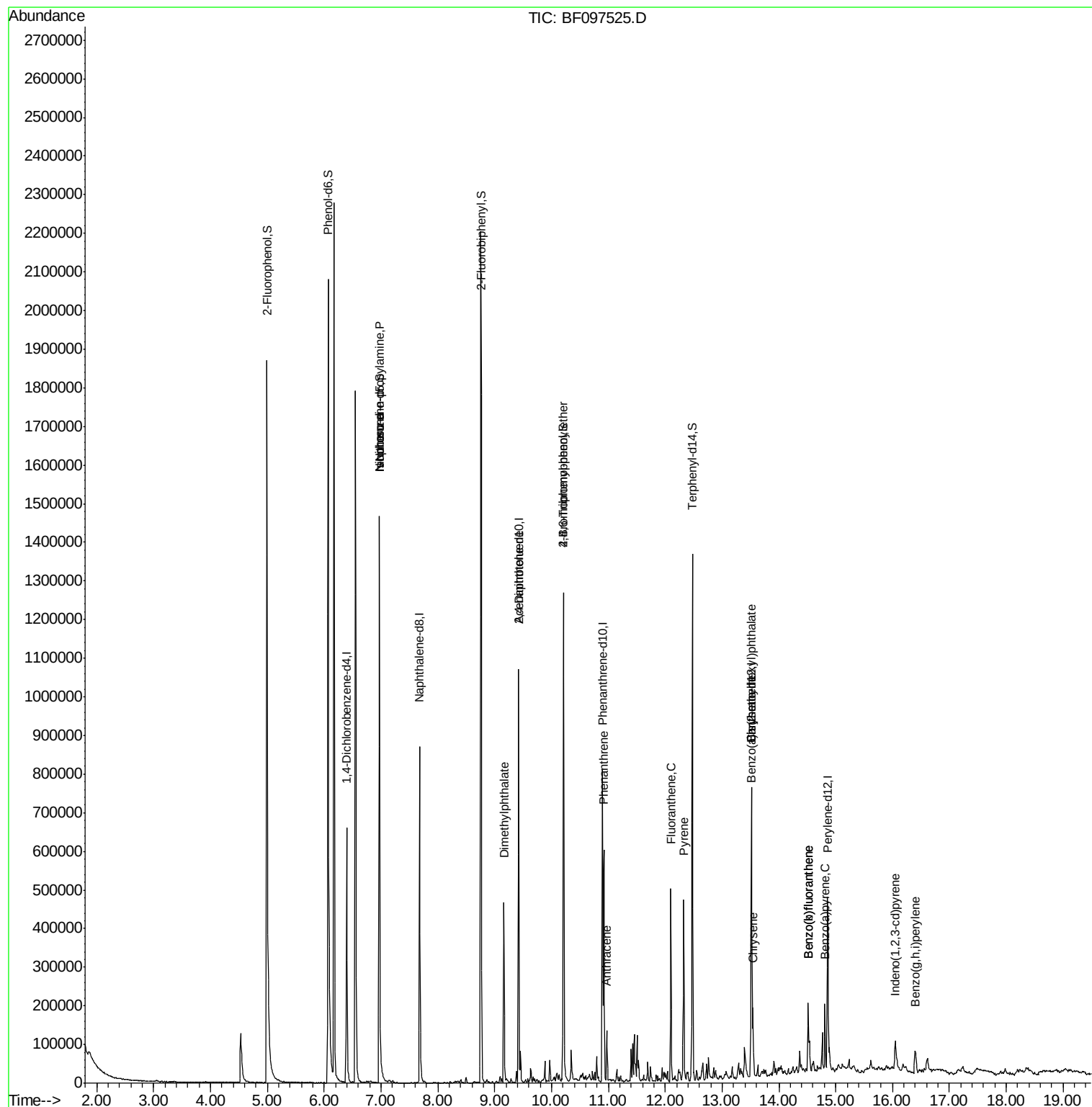
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	107902	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	417336	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	196639	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	277189	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	172665	20.00	ng	-0.02
86) Perylene-d12	14.86	264	170319	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	703515	98.29	ng	-0.01
7) Phenol-d6	6.07	99	834325	102.10	ng	-0.02
23) Nitrobenzene-d5	6.97	82	491359	69.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	140341	90.33	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	712234	61.47	ng	-0.02
78) Terphenyl-d14	12.48	244	444982	52.54	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.97	70	64601	12.01	ng	# 85
25) Isophorone	6.97	82	491355	35.27	ng	# 67
49) Dimethylphthalate	9.16	163	182981	12.25	ng	98
56) 2,4-Dinitrotoluene	9.42	165	25260	6.94	ng	# 34
66) 4-Bromophenyl-phenylether	10.22	248	8951	3.24	ng	# 1
70) Phenanthrene	10.92	178	232198	15.63	ng	97
71) Anthracene	10.97	178	49766	3.27	ng	97
74) Fluoranthene	12.10	202	214927	14.77	ng	98
77) Pyrene	12.33	202	196313	13.89	ng	99
80) Benzo(a)anthracene	13.51	228	71222	6.37	ng	98
82) Chrysene	13.54	228	61951	5.68	ng	97
83) Bis(2-ethylhexyl)phthalate	13.52	149	43749	4.66	ng	98
85) Indeno(1,2,3-cd)pyrene	16.05	276	39315	4.20	ng	96
87) Benzo(b)fluoranthene	14.52	252	96488	9.42	ng	# 96
88) Benzo(k)fluoranthene	14.52	252	96488	9.89	ng	97
89) Benzo(a)pyrene	14.81	252	61440	6.56	ng	98
91) Benzo(a,h,i)perylene	16.40	276	39379	4.89	ng	95

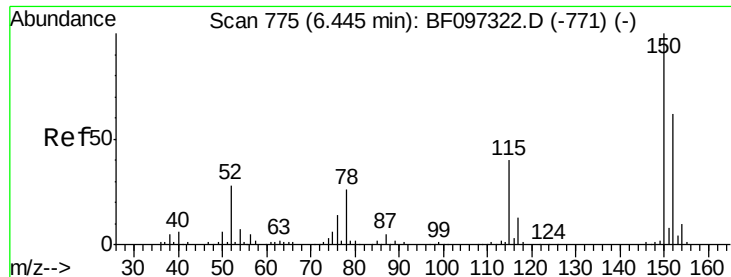
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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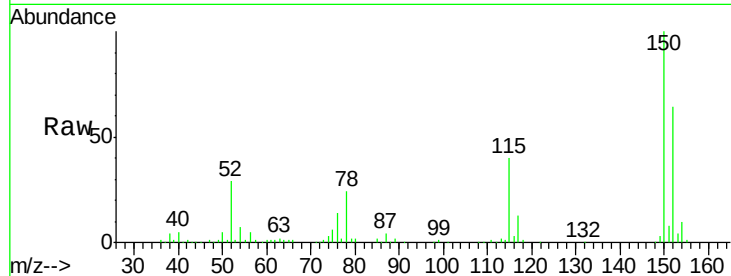


#1

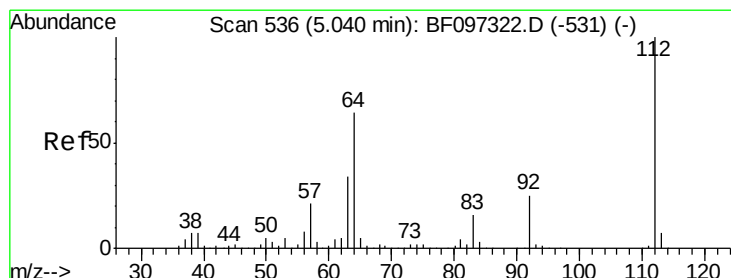
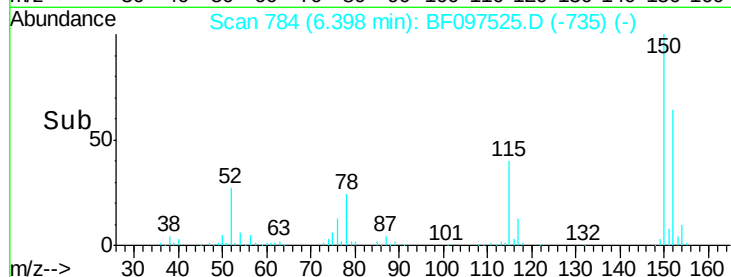
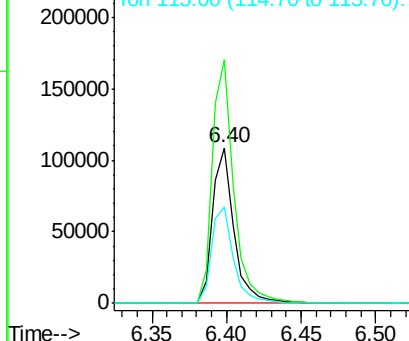
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.40 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-18-COMP

Tot Ion:152 Resp: 107902
 Ion Ratio Lower Upper
 152 100
 150 156.4 126.2 189.2
 115 61.9 52.2 78.2



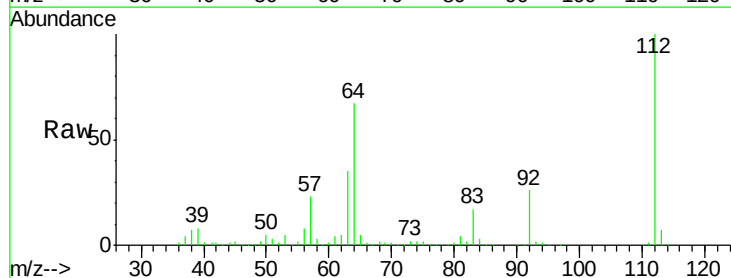
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



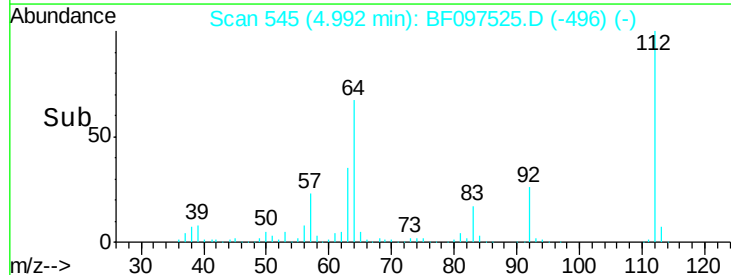
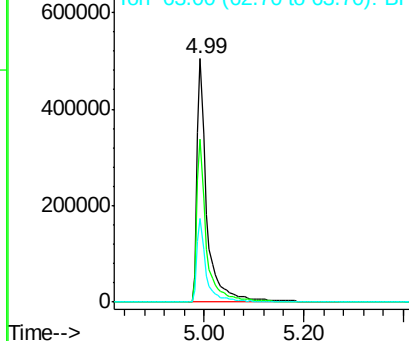
#5

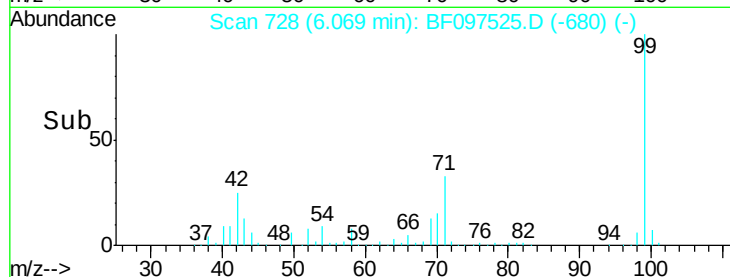
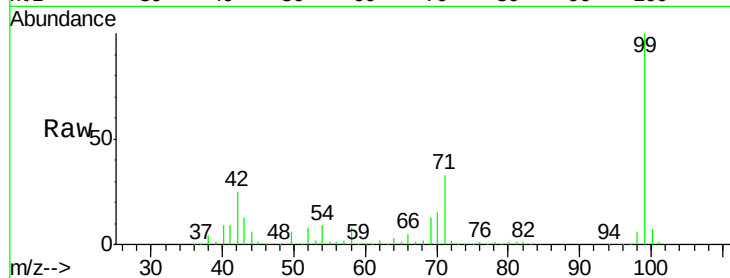
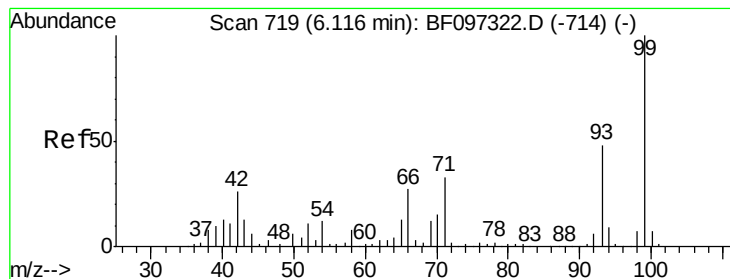
2-Fluorophenol
 Concen: 98.29 ng
 RT: 4.99 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

Tgt Ion:112 Resp: 703515
 Ion Ratio Lower Upper
 112 100
 64 67.0 46.0 69.0
 63 34.5 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: 102.10 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

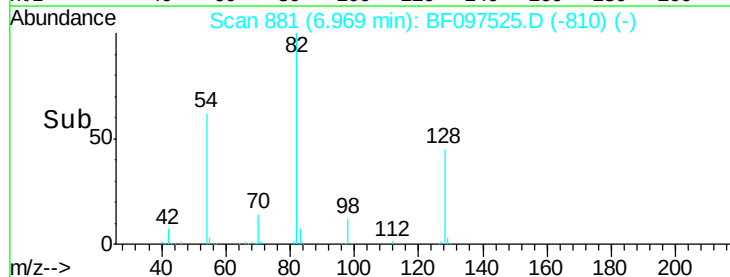
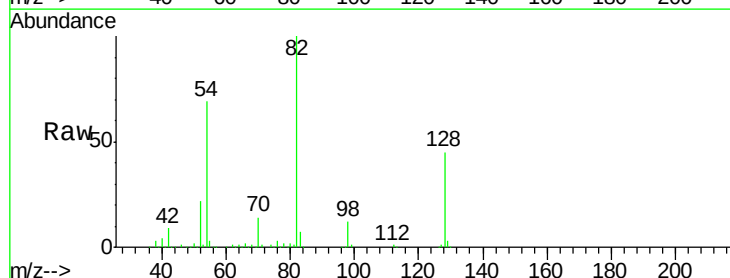
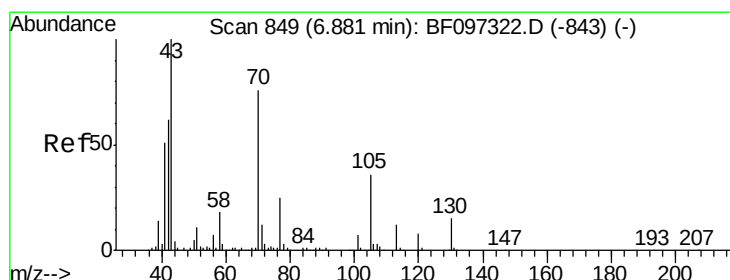
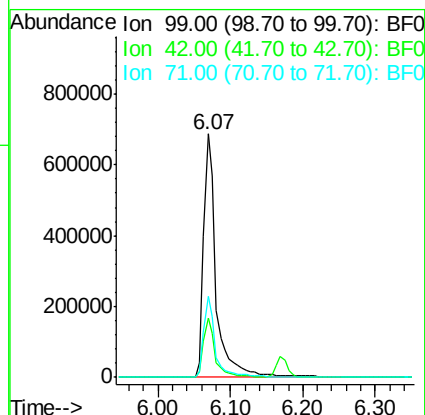
Tot Ion: 99 Resp: 834325

Ion Ratio Lower Upper

99 100

42 24.6 13.5 20.3#

71 33.3 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.01 ng

RT: 6.97 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Tgt Ion: 70 Resp: 64601

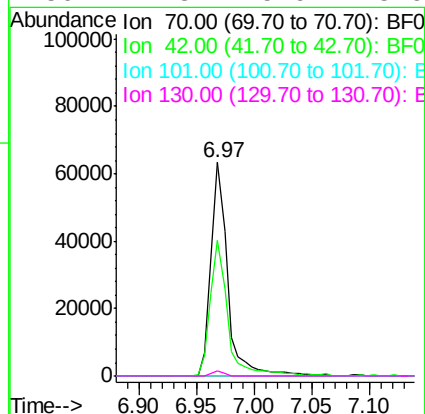
Ion Ratio Lower Upper

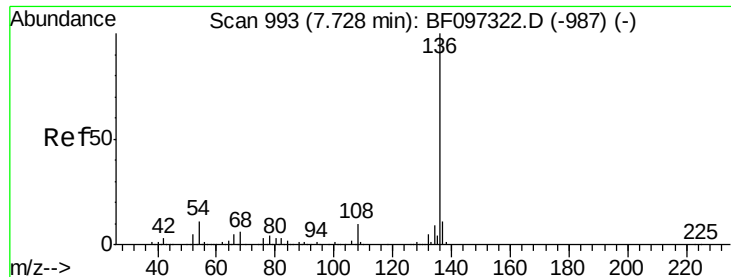
70 100

42 63.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.68 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

Tot Ion:136 Resp: 417336

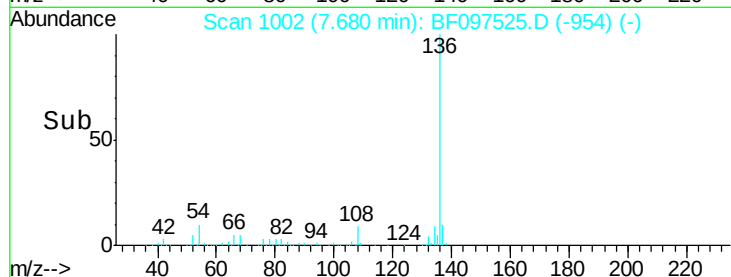
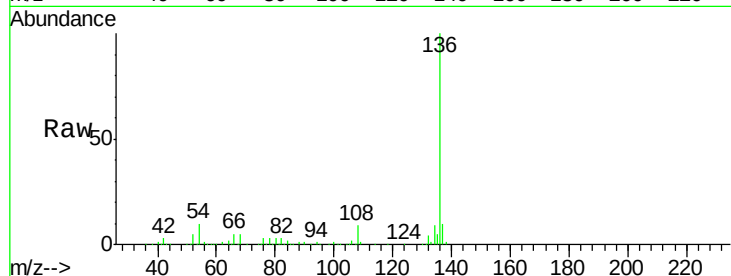
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 10.0 4.9 7.3#

68 5.1 4.1 6.1

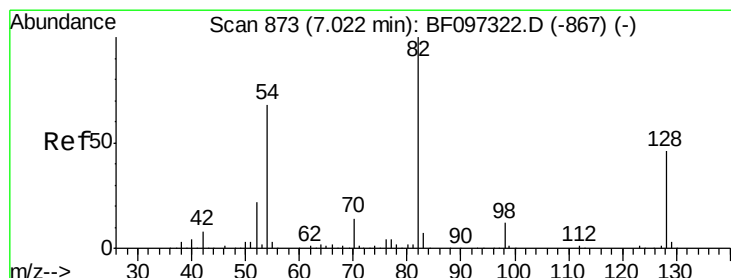
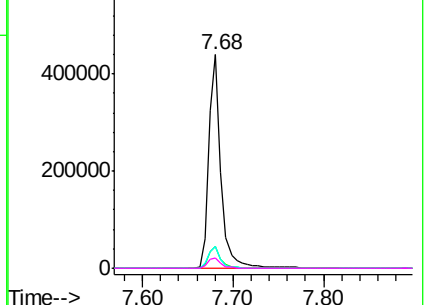


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 69.07 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

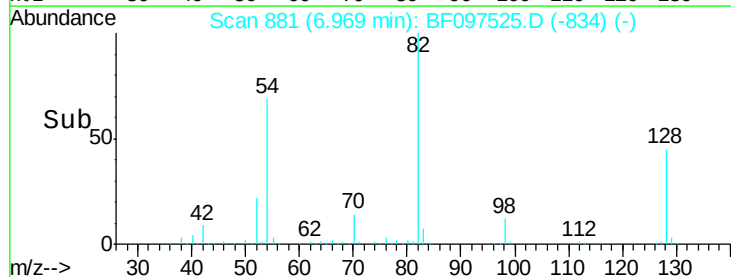
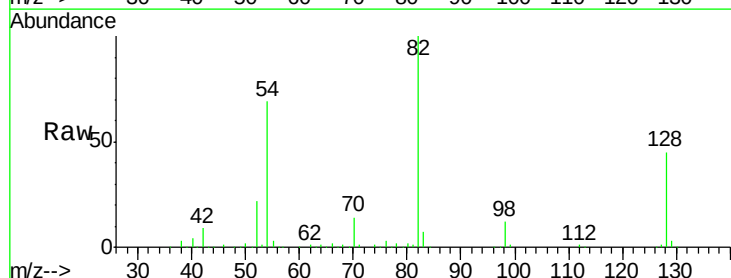
Tgt Ion: 82 Resp: 491359

Ion Ratio Lower Upper

82 100

128 44.7 34.0 51.0

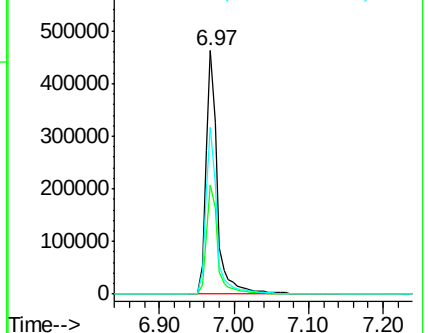
54 68.8 42.2 63.2#

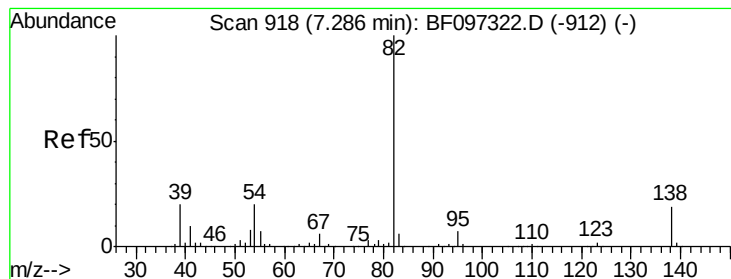


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.27 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Instrument :

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SB-18-COMP

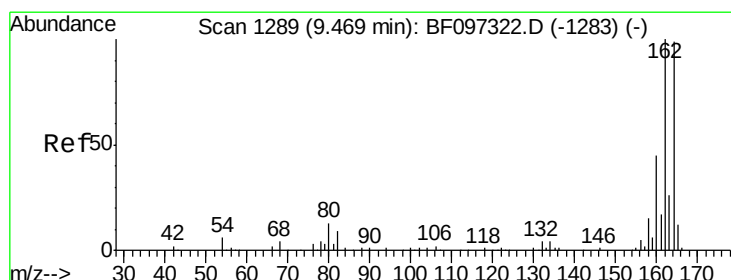
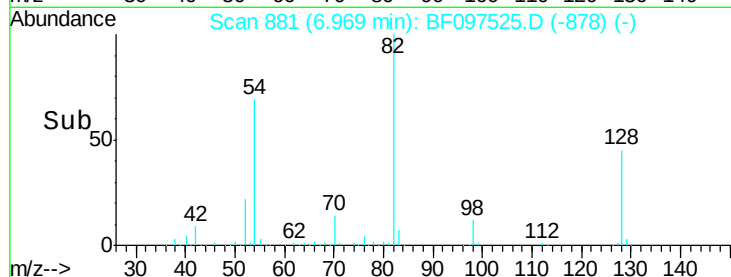
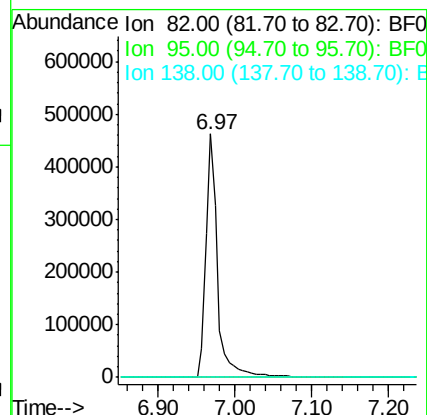
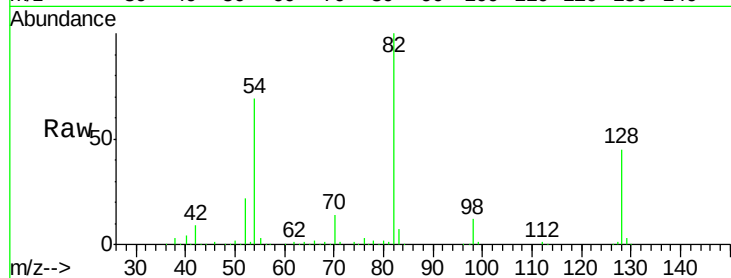
Tot Ion: 82 Resp: 491355

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: 9.42 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

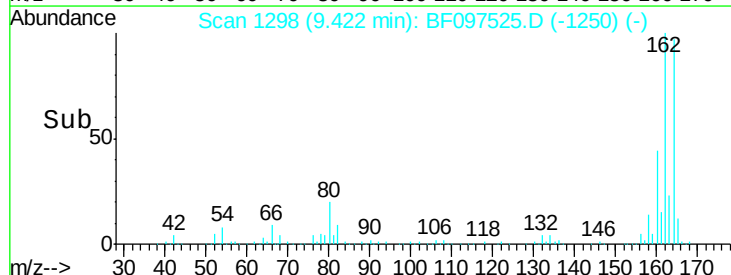
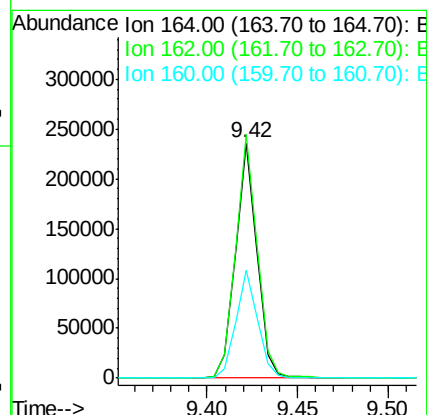
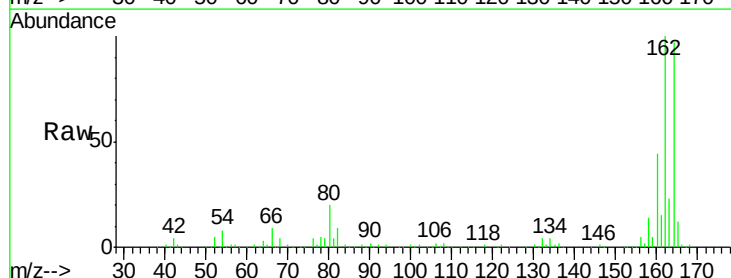
Tgt Ion:164 Resp: 196639

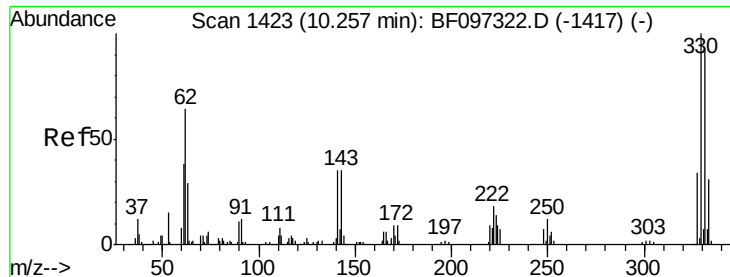
Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

160 45.7 36.2 54.2

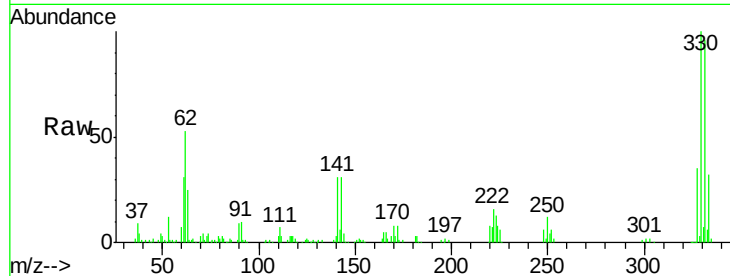




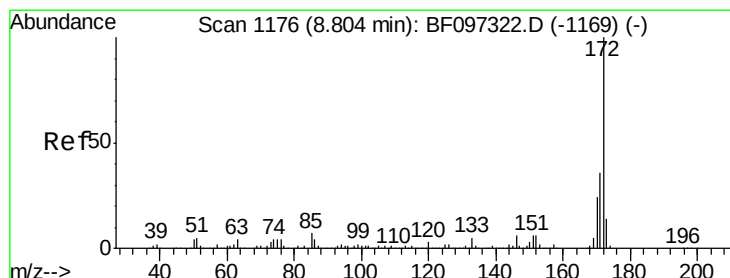
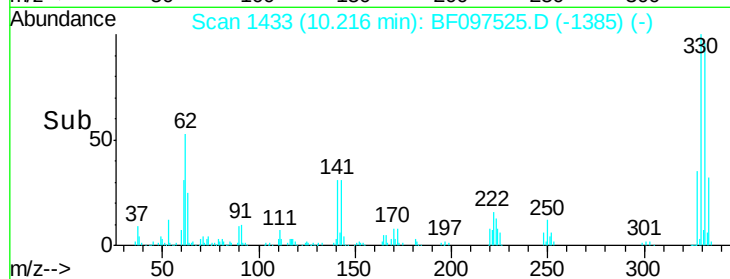
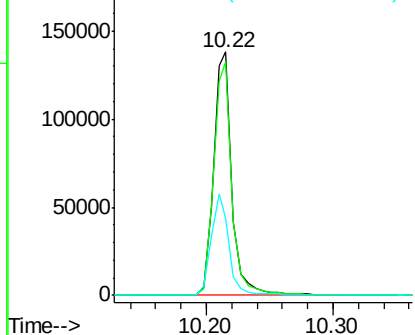
#41
 2,4,6-Tribromophenol
 Concen: 90.33 ng
 RT: 10.22 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-18-COMP

Tot Ion:330 Resp: 140341
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 115.0
 141 40.3 31.4 47.2

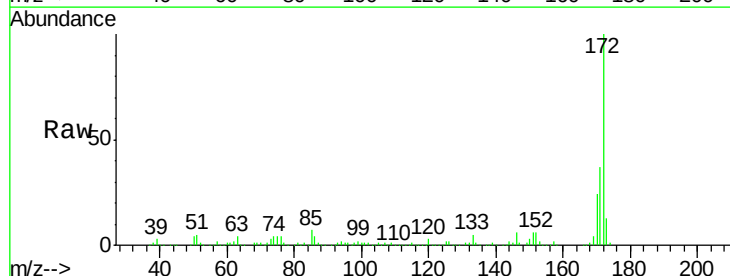


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

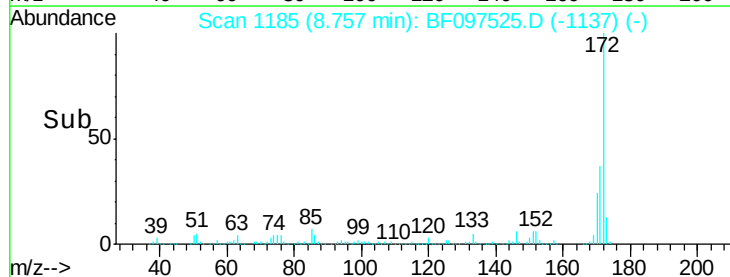
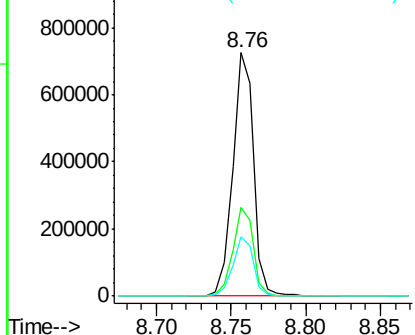


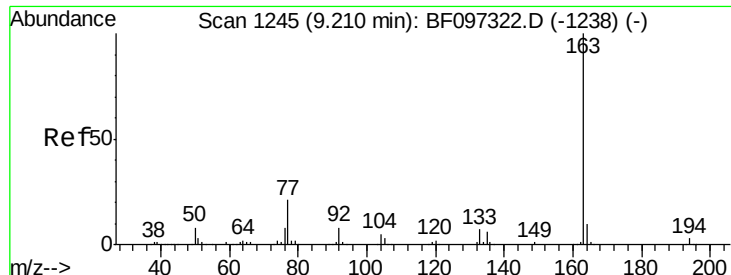
#44
 2-Fluorobiphenyl
 Concen: 61.47 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

Tgt Ion:172 Resp: 712234
 Ion Ratio Lower Upper
 172 100
 171 36.6 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

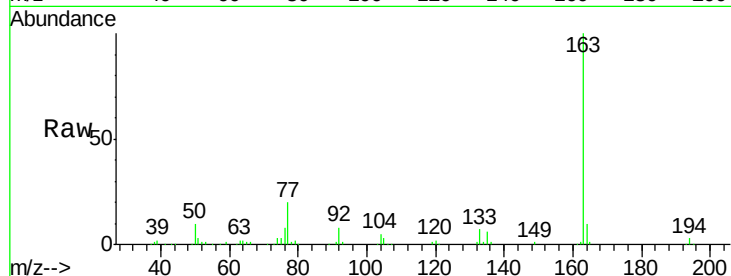




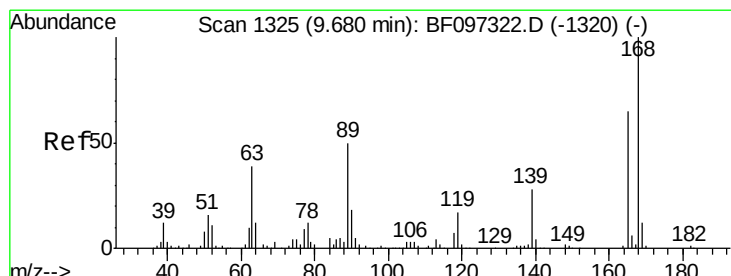
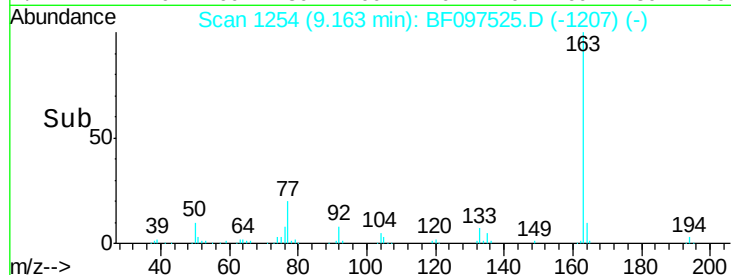
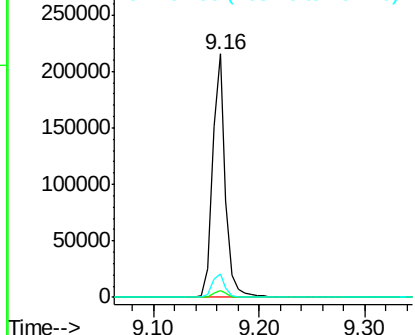
#49
Dimethylphthalate
Concen: 12.25 ng
RT: 9.16 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Instrument :
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SB-18-COMP

Tot Ion:163 Resp: 182981
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 9.8 8.4 12.6

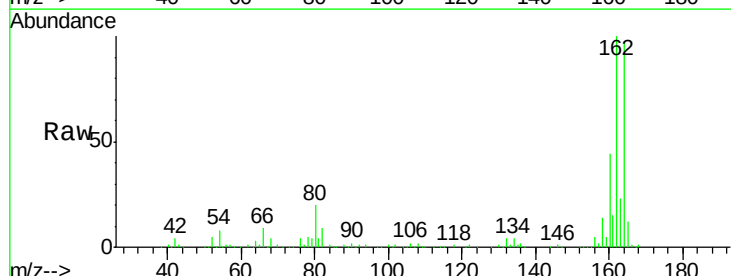


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

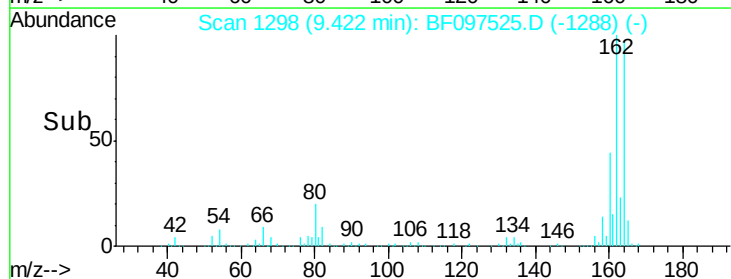
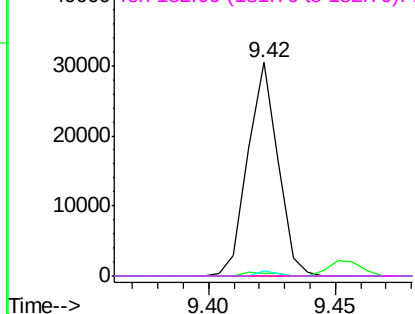


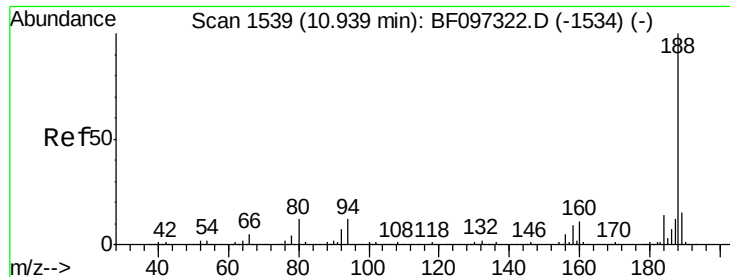
#56
2,4-Dinitrotoluene
Concen: 6.94 ng
RT: 9.42 min Scan# 1298
Delta R.T. -0.24 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Tgt Ion:165 Resp: 25260
Ion Ratio Lower Upper
165 100
63 1.2 25.4 38.0#
89 2.3 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

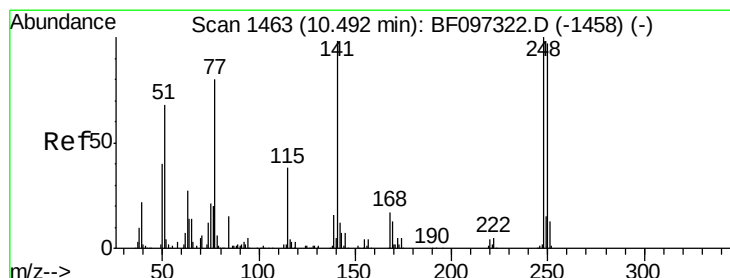
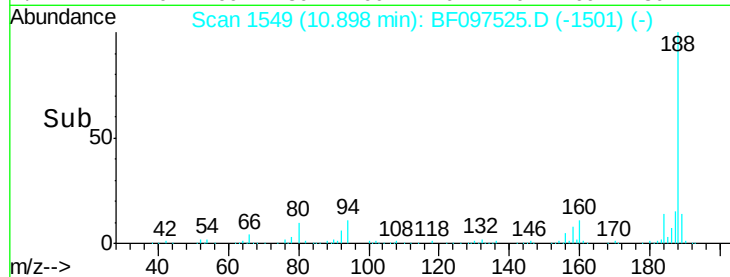
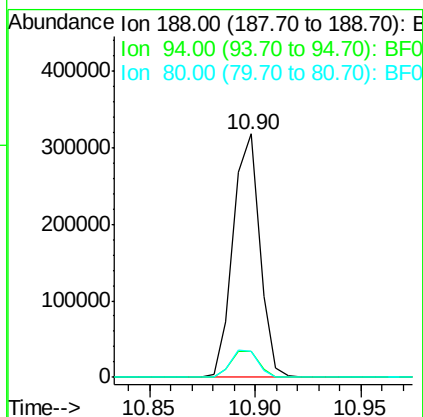
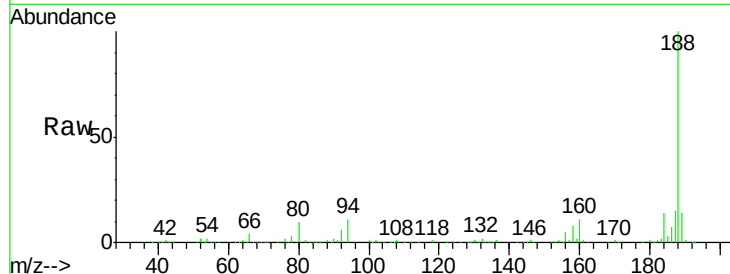




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.90 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

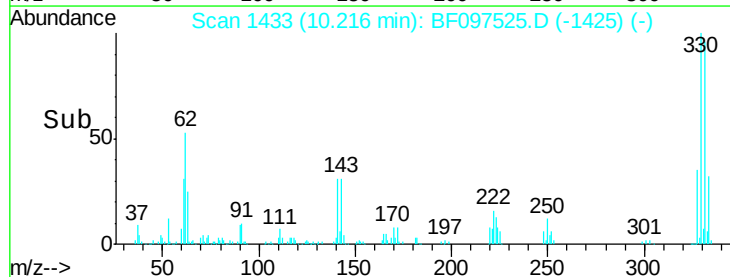
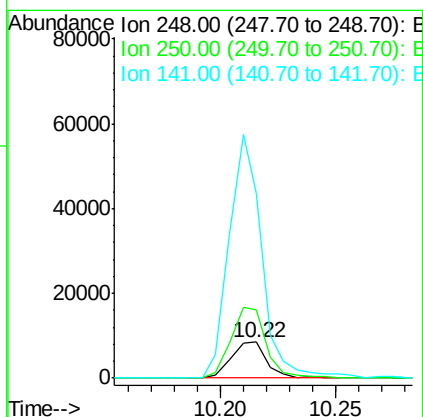
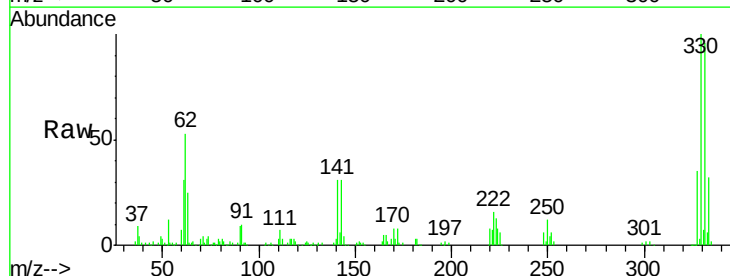
Instrument :
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 ClientSampleId :
 SB-18-COMP

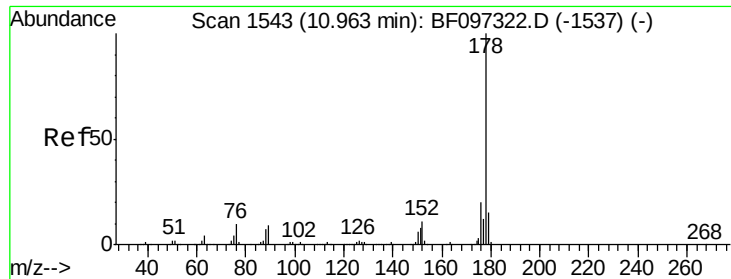
Tot Ion:188 Resp: 277189
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.2
 80 10.5 10.2 15.2



#66
 4-Bromophenyl-phenylether
 Concen: 3.24 ng
 RT: 10.22 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF097525.D
 Acq: 9 Aug 2017 19:43

Tgt Ion:248 Resp: 8951
 Ion Ratio Lower Upper
 248 100
 250 192.8 76.8 115.2#
 141 516.5 68.6 103.0#

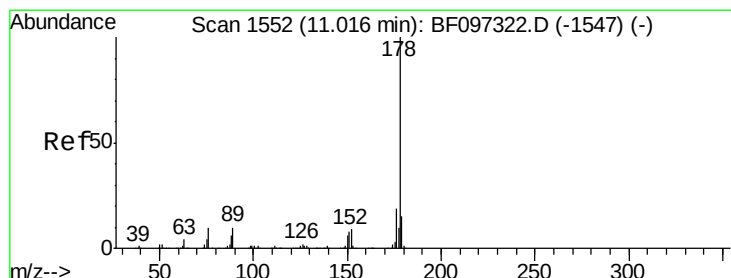
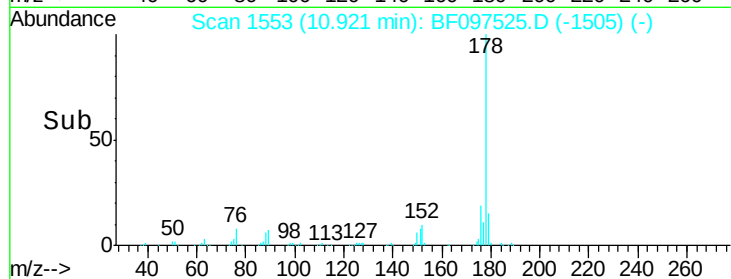
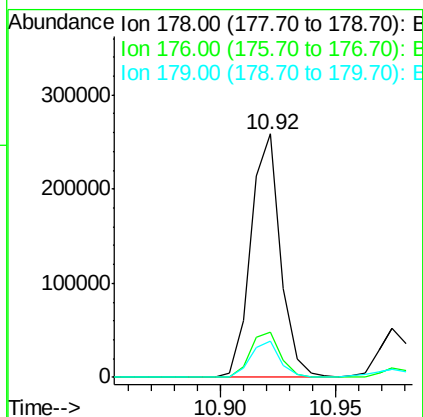
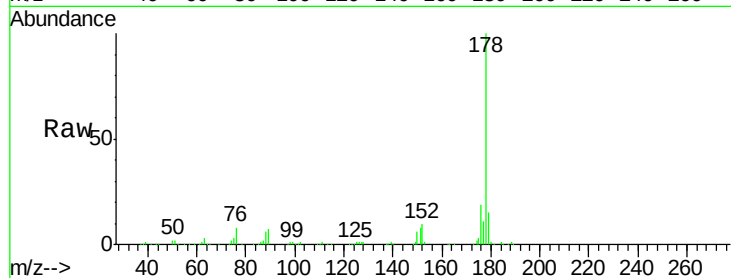




#70
Phenanthrene
Concen: 15.63 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

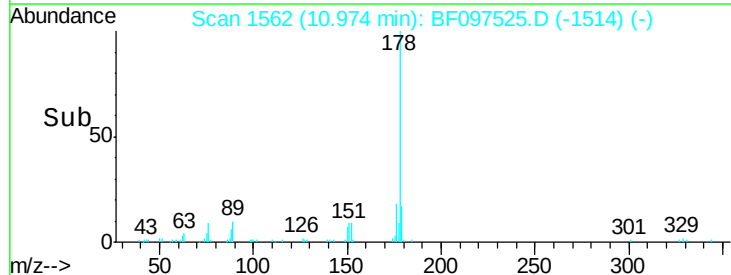
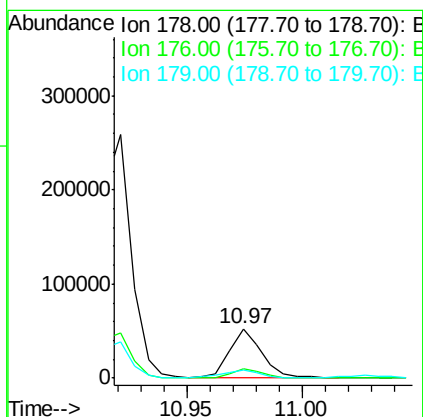
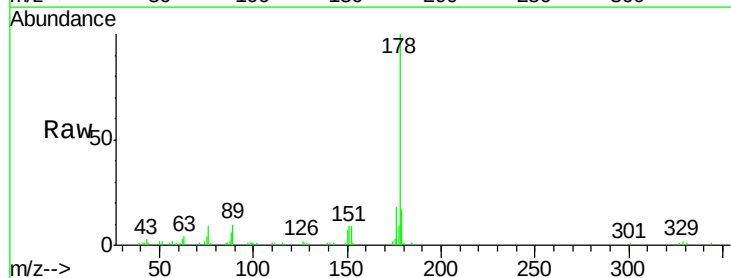
Instrument :
BNA_F
ClientSampleId :
SB-18-COMP

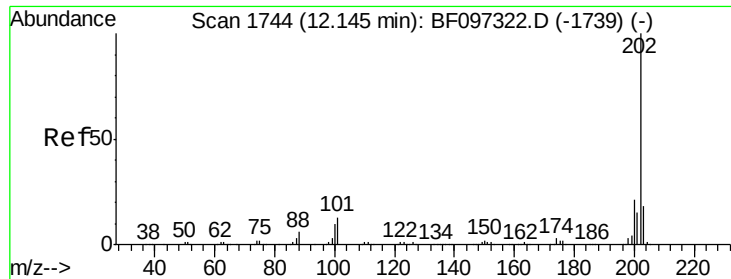
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.0	12.6	19.0



#71
Anthracene
Concen: 3.27 ng
RT: 10.97 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	17.1	12.7	19.1





#74

Fluoranthene

Concen: 14.77 ng

RT: 12.10 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

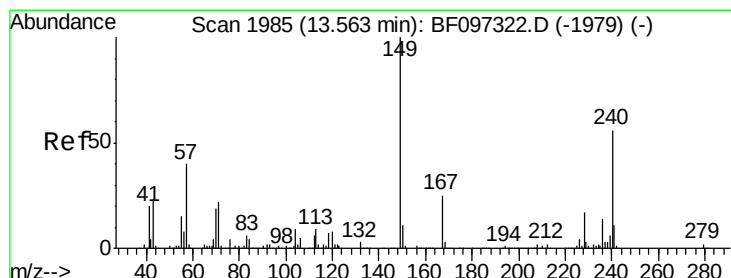
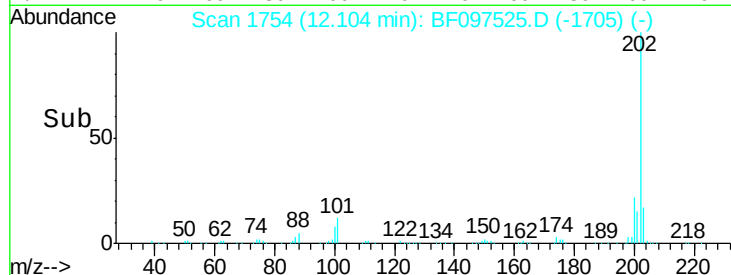
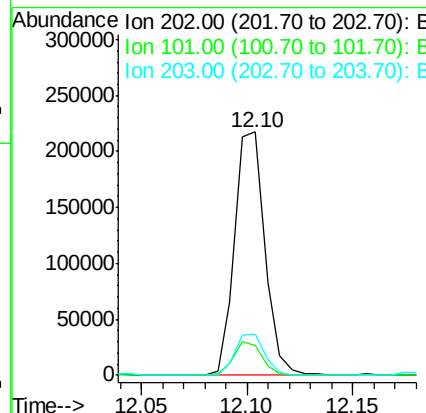
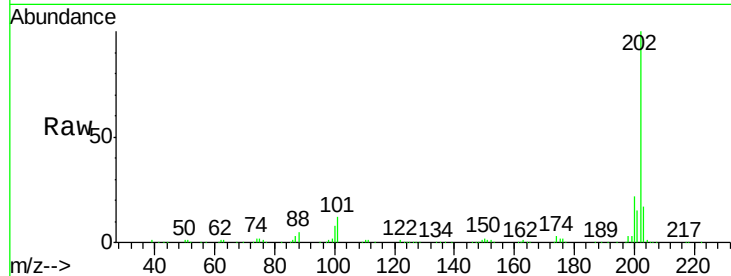
Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

Tot Ion:	202	Resp:	214927
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	33.2
203	17.2	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

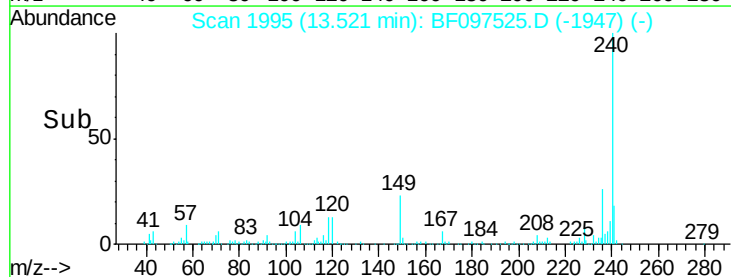
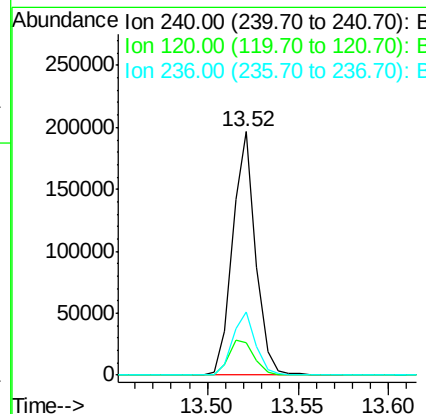
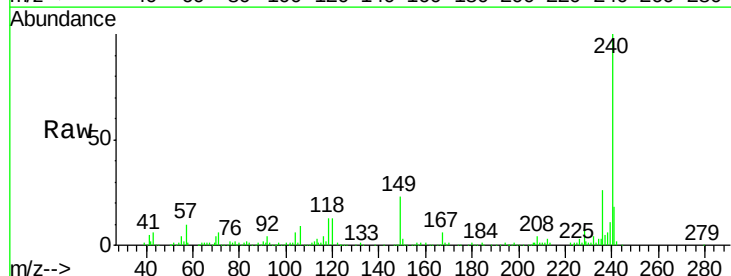
RT: 13.52 min Scan# 1995

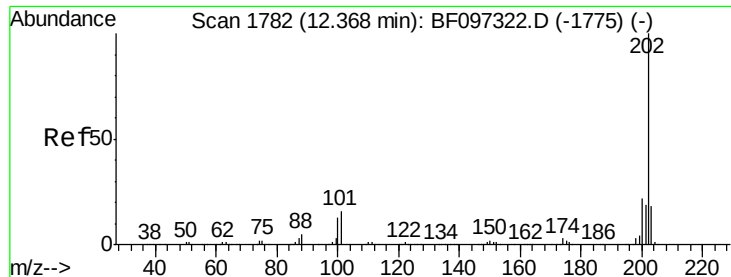
Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Tgt Ion:	240	Resp:	172665
Ion	Ratio	Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	25.8	20.5	30.7

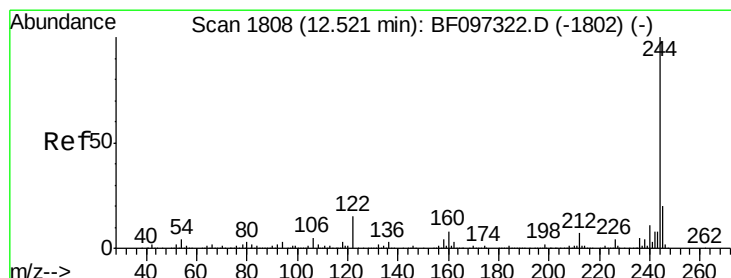
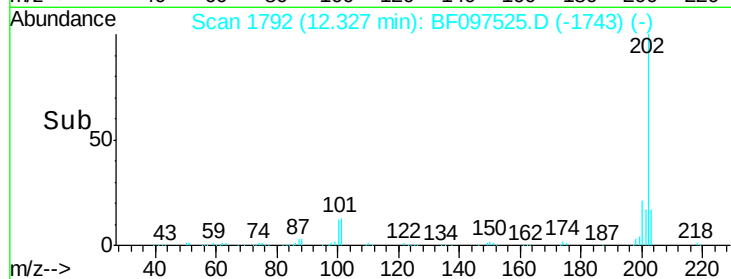
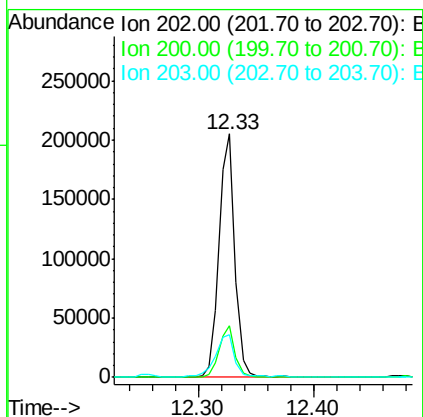
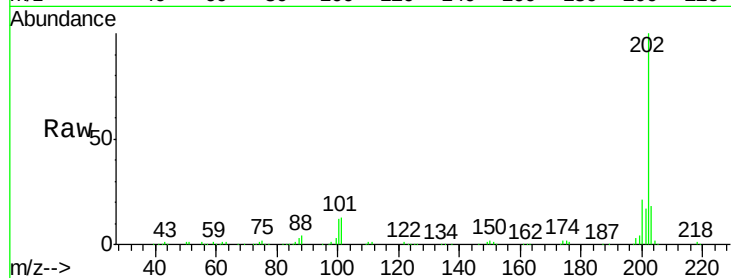




#77
Pvrene
Concen: 13.89 ng
RT: 12.33 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

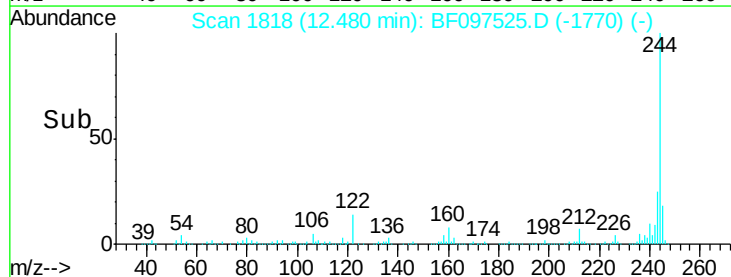
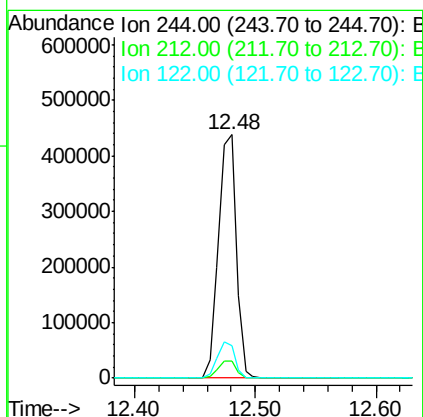
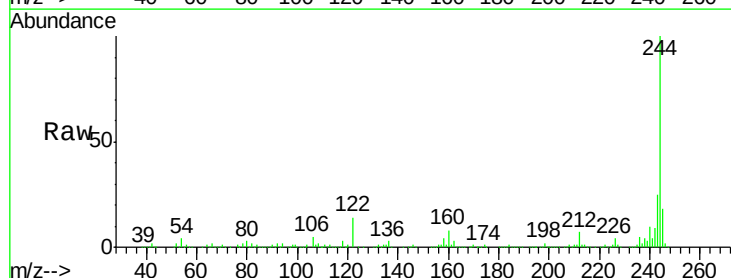
Instrument :
BNA_F
ClientSampleId :
SB-18-COMP

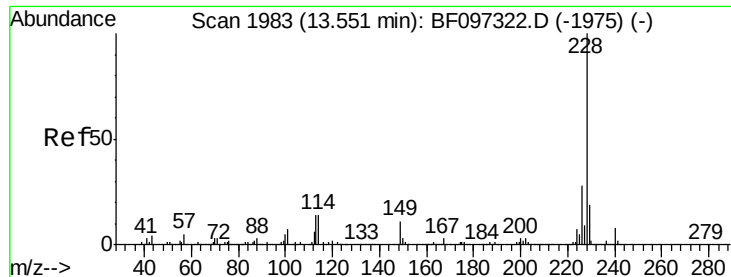
Tot Ion:202 Resp: 196313
Ion Ratio Lower Upper
202 100
200 21.2 17.6 26.4
203 17.8 14.4 21.6



#78
Terphenyl-d14
Concen: 52.54 ng
RT: 12.48 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Tgt Ion:244 Resp: 444982
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 13.5 10.3 15.5





#80

Benzo(a)anthracene

Concen: 6.37 ng

RT: 13.51 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

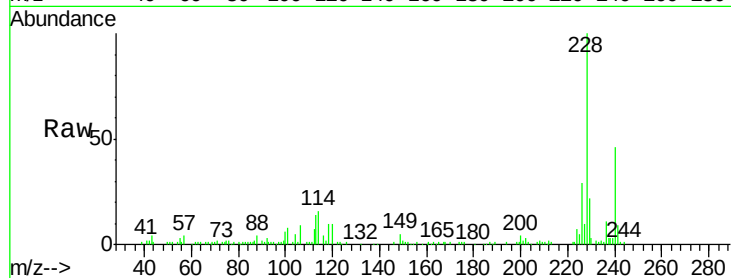
Tot Ion:228 Resp: 71222

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

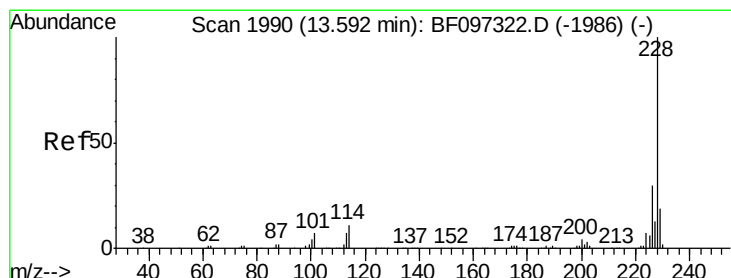
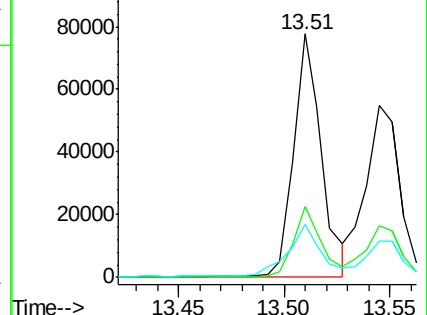
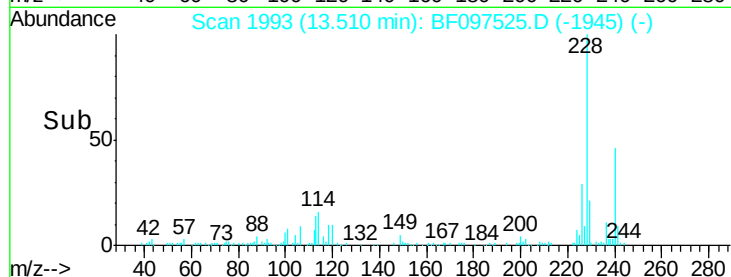
229 21.6 16.3 24.5



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: 5.68 ng

RT: 13.54 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

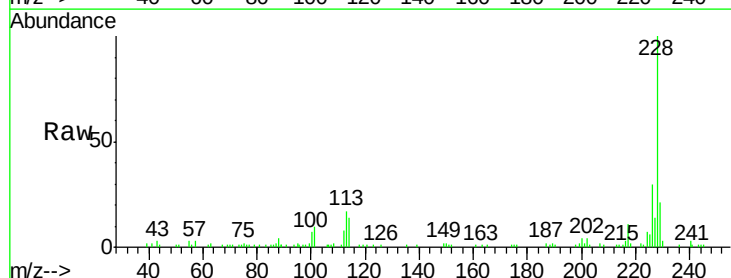
Tgt Ion:228 Resp: 61951

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

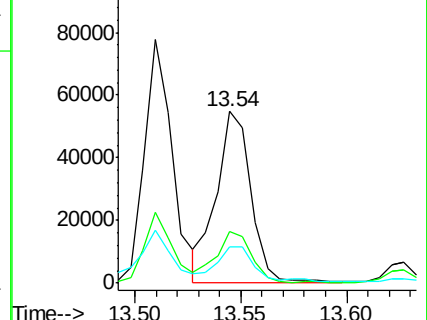
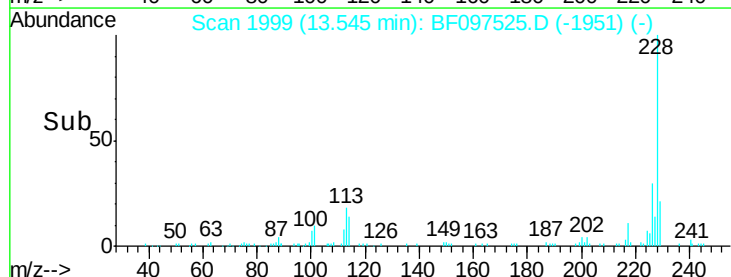
229 21.3 15.8 23.6

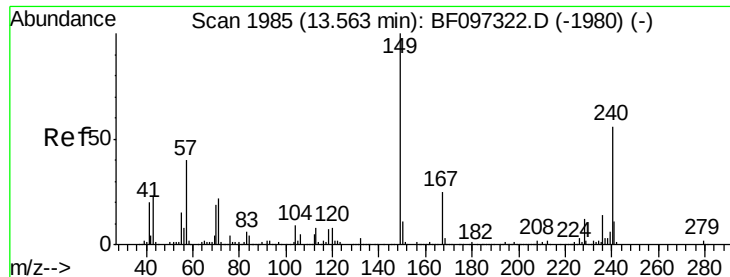


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.66 ng

RT: 13.52 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

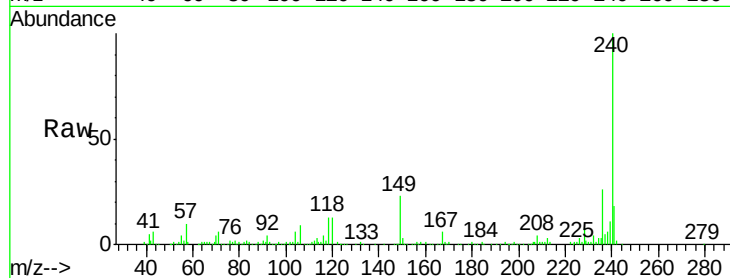
Tot Ion:149 Resp: 43749

Ion Ratio Lower Upper

149 100

167 27.5 21.0 31.4

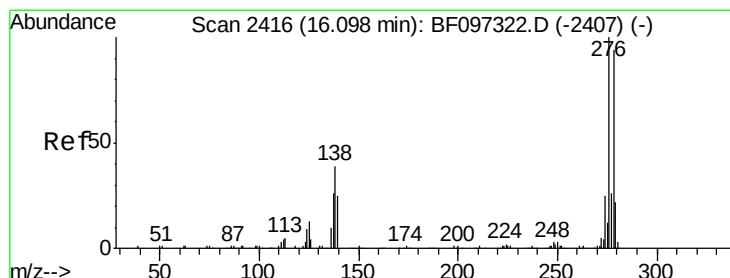
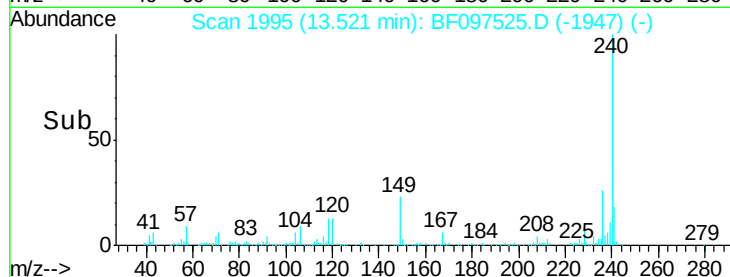
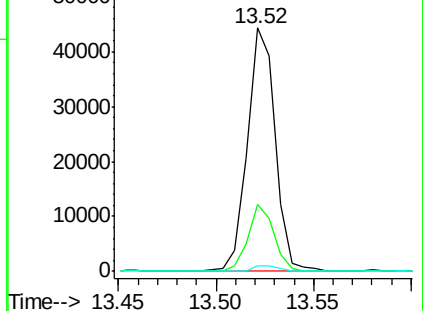
279 2.1 1.9 2.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.20 ng

RT: 16.05 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

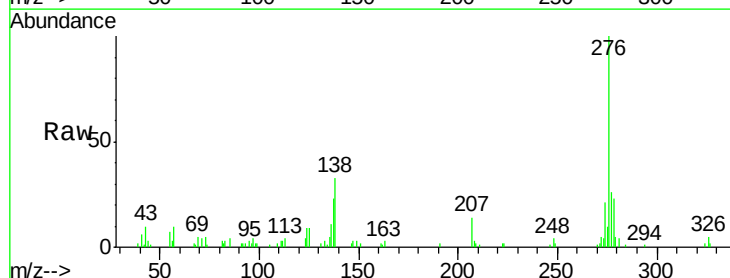
Tgt Ion:276 Resp: 39315

Ion Ratio Lower Upper

276 100

138 31.4 27.8 41.6

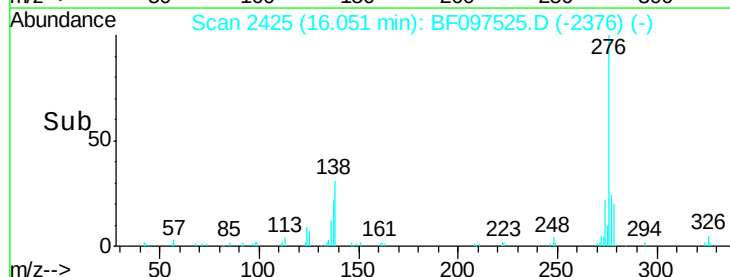
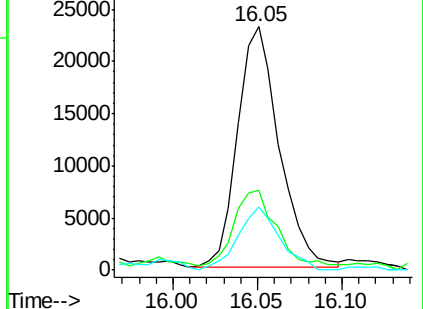
277 26.4 20.2 30.4

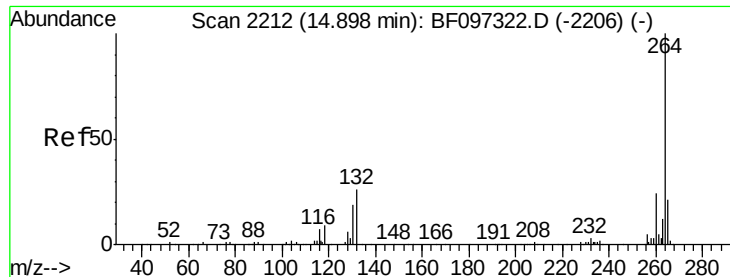


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



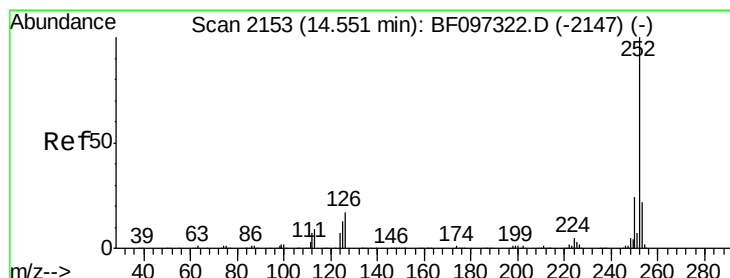
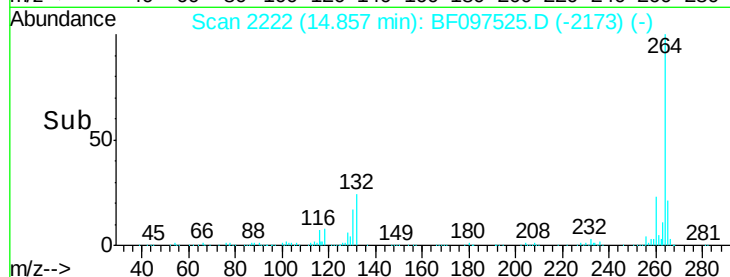
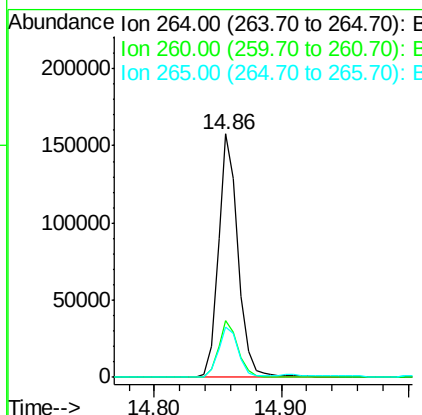
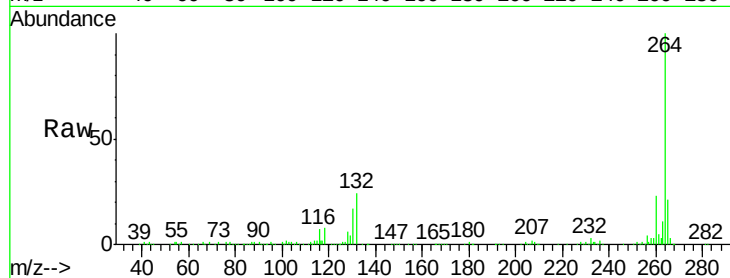


#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.86 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Instrument :
BNA_F
ClientSampleId :
SB-18-COMP

Tot Ion:264 Resp: 170319

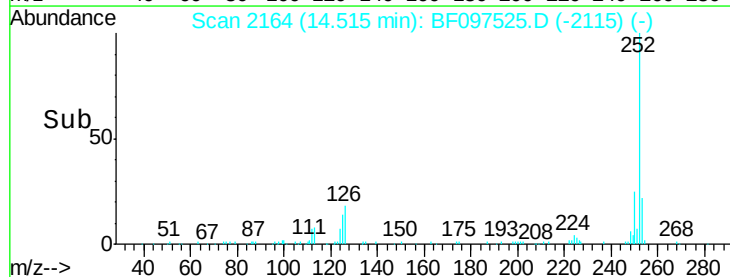
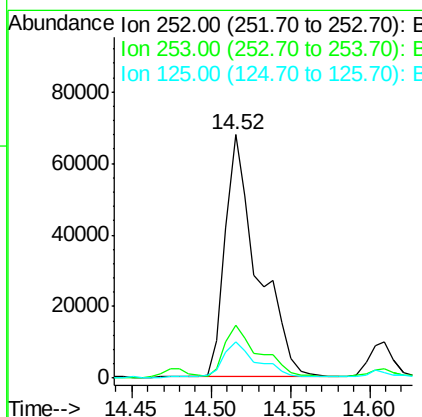
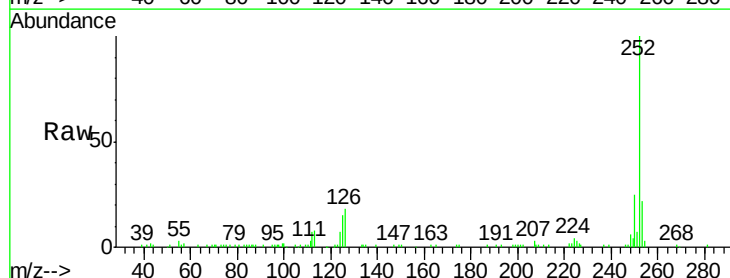
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.8	17.2	25.8

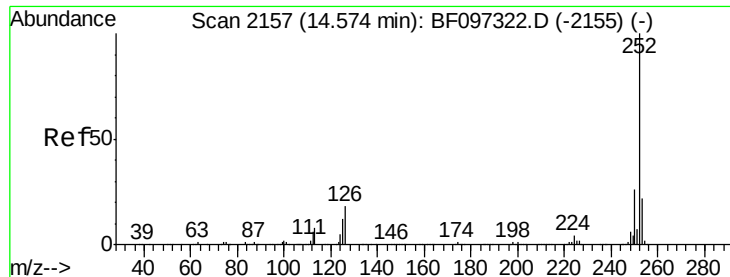


#87
Benzo(b)fluoranthene
Concen: 9.42 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Tgt Ion:252 Resp: 96488

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1
125	14.8	9.8	14.8#

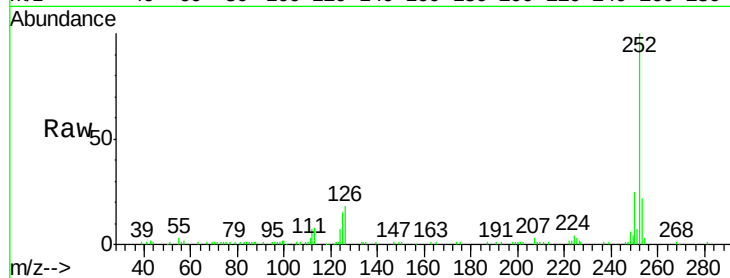




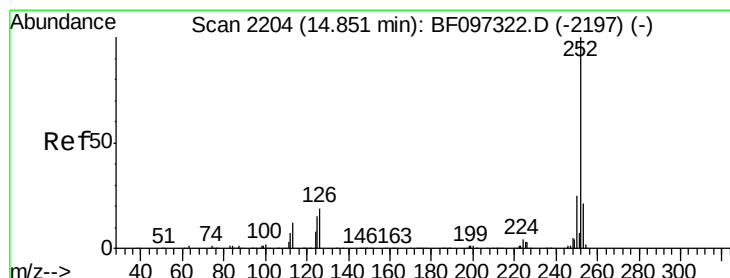
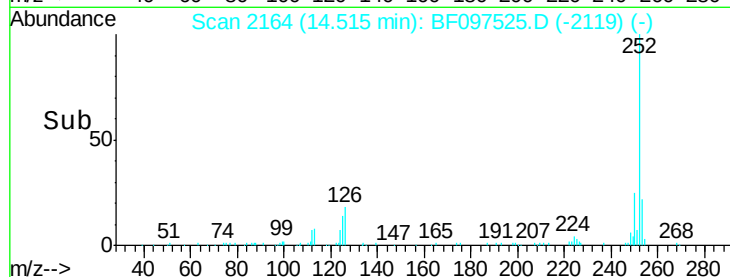
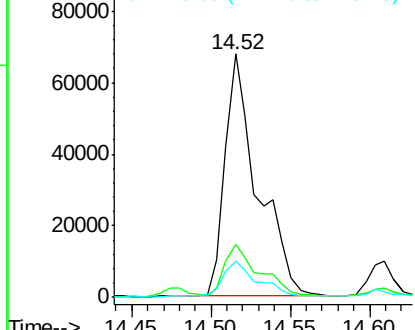
#88
Benzo(k)fluoranthene
Concen: 9.89 ng
RT: 14.52 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Instrument :
BNA_F
ClientSampleId :
SB-18-COMP

Tot Ion:252 Resp: 96488
Ion Ratio Lower Upper
252 100
253 21.6 18.4 27.6
125 14.8 13.1 19.7

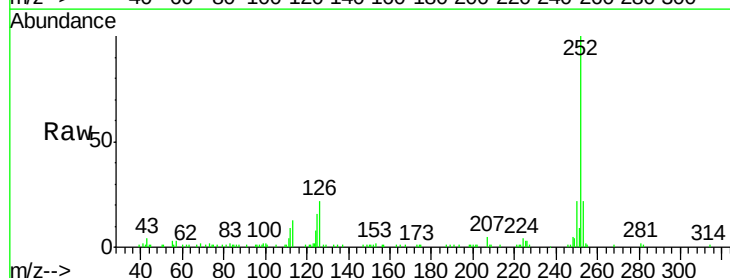


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

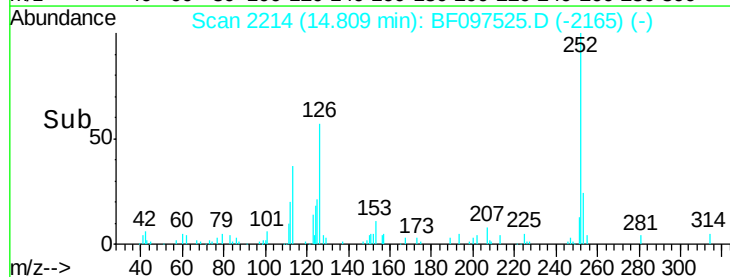
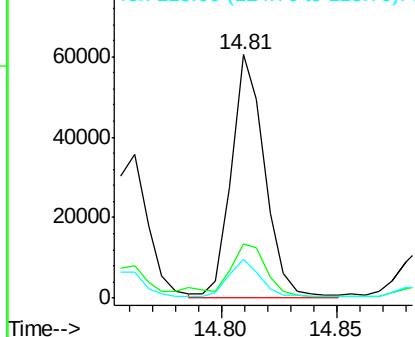


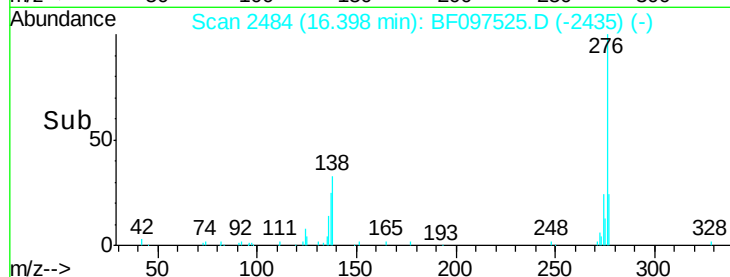
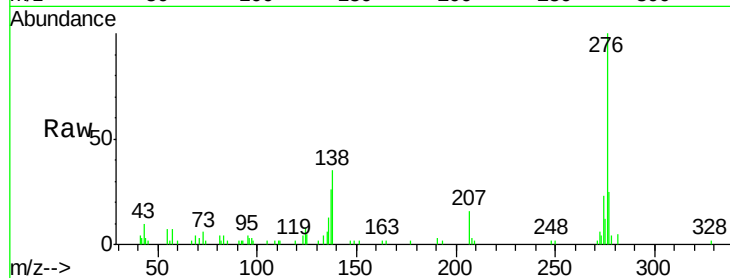
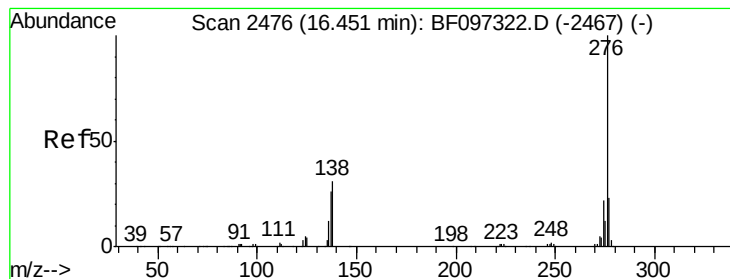
#89
Benzo(a)pyrene
Concen: 6.56 ng
RT: 14.81 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097525.D
Acq: 9 Aug 2017 19:43

Tgt Ion:252 Resp: 61440
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 16.0 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





#91

Benzo(a,h,i)perylene

Concen: 4.89 ng

RT: 16.40 min Scan# 2484

Delta R.T. -0.01 min

Lab File: BF097525.D

Acq: 9 Aug 2017 19:43

Instrument :

BNA_F

ClientSampleId :

SB-18-COMP

Tot Ion: 276 Resp: 39379

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 35.0 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

