

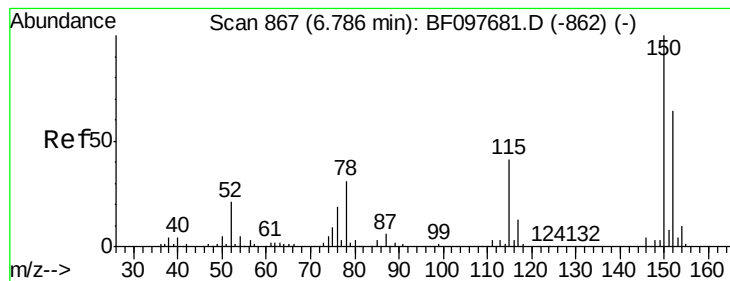
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097801.D
 Acq On : 17 Aug 2017 22:20
 Operator : SJ/JU
 Sample : I4761-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RUSB-02

Quant Time: Aug 18 01:34:05 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	6.77	152	144040	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	503008	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	175924	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	301300	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	314975	20.00	ng	-0.01
86) Perylene-d12	15.36	264	233580	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	898833	94.92	ng	0.00
7) Phenol-d6	6.41	99	1189501	92.45	ng	0.00
23) Nitrobenzene-d5	7.34	82	709881	76.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	143039	93.71	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	916505	76.54	ng	0.00
78) Terphenyl-d14	12.88	244	716351	47.43	ng	-0.01
Target Compounds						
10) Phenol	6.42	94	40562	2.70	ng	# 73
19) n-Nitroso-di-n-propylamine	7.34	70	96273	10.93	ng	# 72
25) Isophorone	7.34	82	707589	36.75	ng	# 67
49) Dimethylphthalate	9.53	163	115708	9.00	ng	99
56) 2,4-Dinitrotoluene	9.81	165	22847	7.09	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.60	198	163	8.42	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	9645	3.08	ng	# 1
74) Fluoranthene	12.50	202	79416	4.74	ng	99
77) Pyrene	12.73	202	80961	3.14	ng	96
80) Benzo(a)anthracene	13.95	228	71464	3.79	ng	97
82) Chrysene	13.95	228	71464	3.81	ng	97
83) Bis(2-ethylhexyl)phthalate	13.92	149	107410	9.81	ng	98
85) Indeno(1,2,3-cd)pyrene	16.75	276	42580	3.08	ng	# 88
87) Benzo(b)fluoranthene	14.94	252	132870	9.02	ng	98
88) Benzo(k)fluoranthene	14.94	252	132870	9.61	ng	97
89) Benzo(a)pyrene	15.30	252	66789	5.12	ng	99
91) Benzo(a,h,i)perylene	17.17	276	40052	3.62	ng	92

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

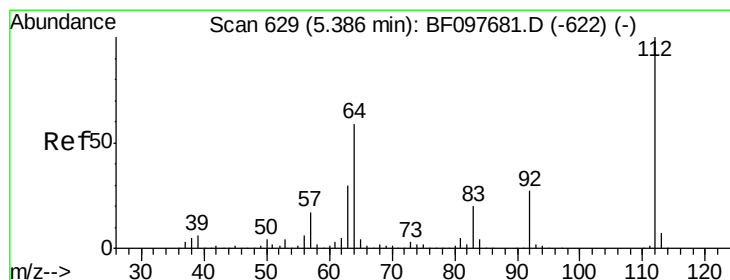
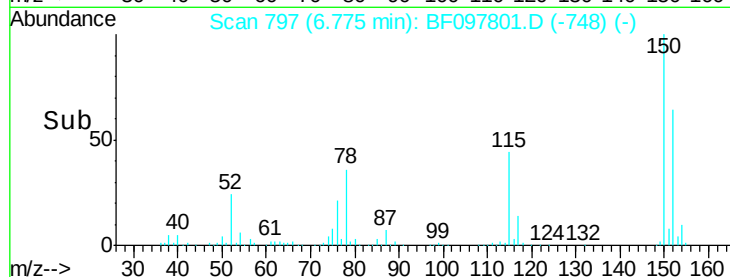
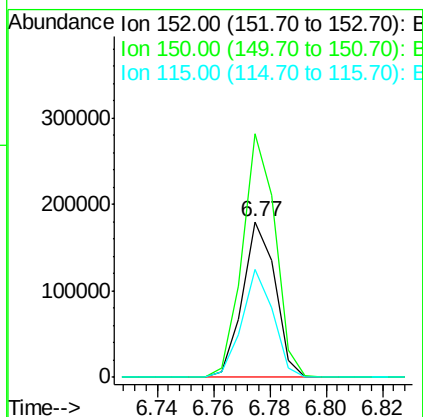
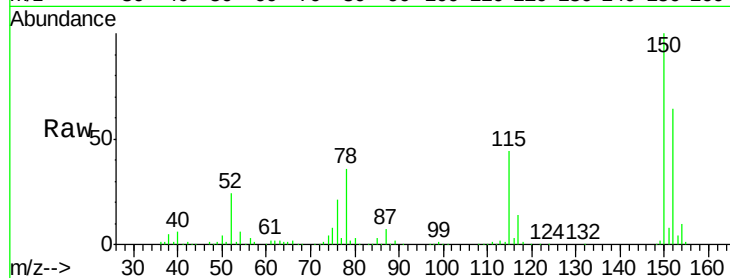


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097801.D
Acq: 17 Aug 2017 22:20

Instrument :
BNA_F
ClientSampleId :
RUSB-02

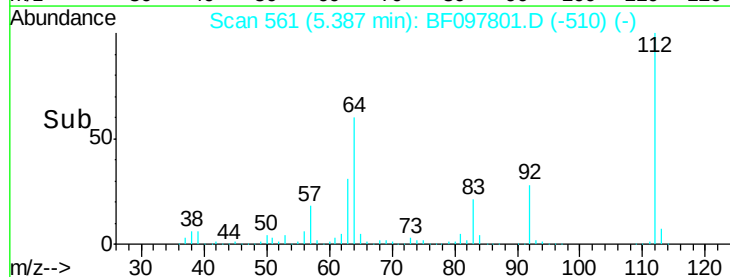
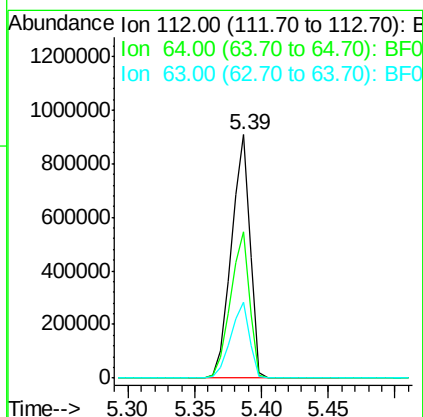
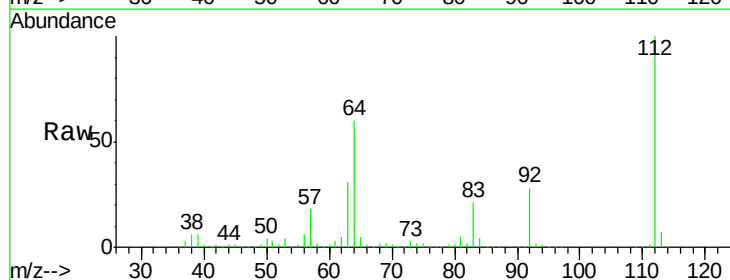
Tot Ion:152 Resp: 144040
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.2
115 69.6 52.2 78.2

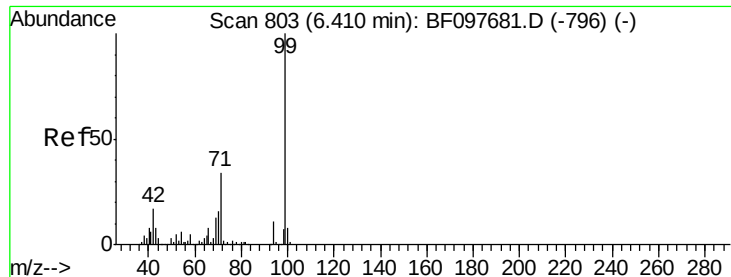


#5

2-Fluorophenol
Concen: 94.92 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF097801.D
Acq: 17 Aug 2017 22:20

Tgt Ion:112 Resp: 898833
Ion Ratio Lower Upper
112 100
64 60.2 46.0 69.0
63 31.4 23.4 35.0





#7

Phenol-d6

Concen: 92.45 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

Instrument :

BNA_F

ClientSampleId :

RUSB-02

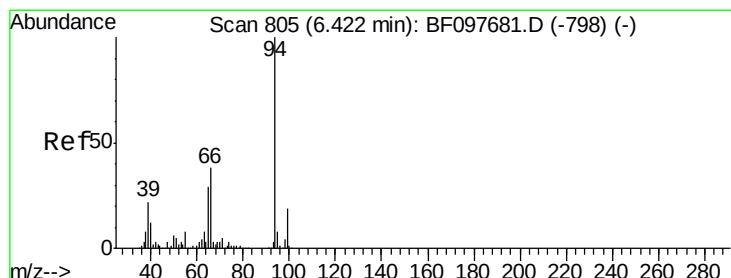
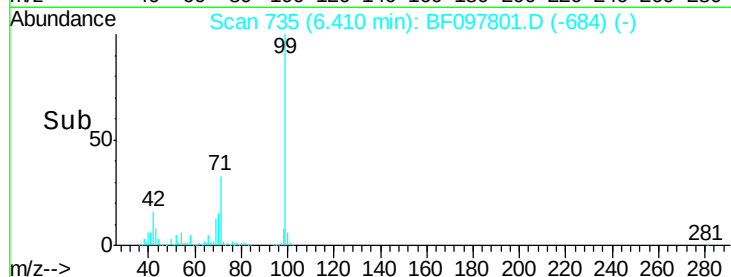
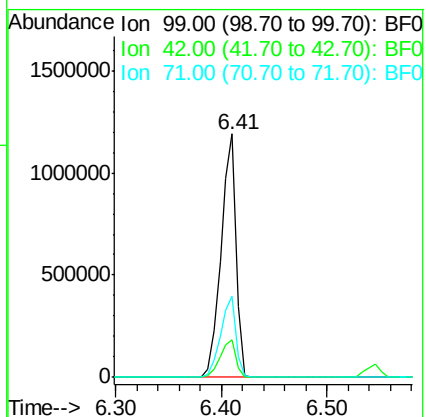
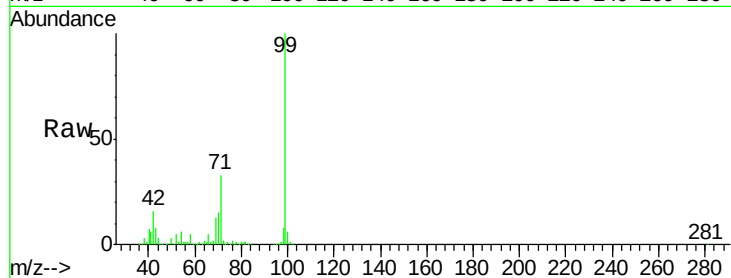
Tot Ion: 99 Resp: 1189501

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

71 33.3 24.5 36.7



#10

Phenol

Concen: 2.70 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

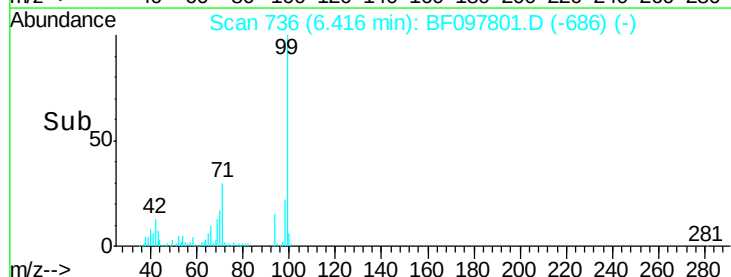
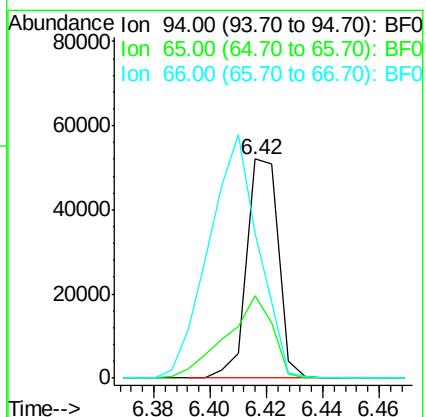
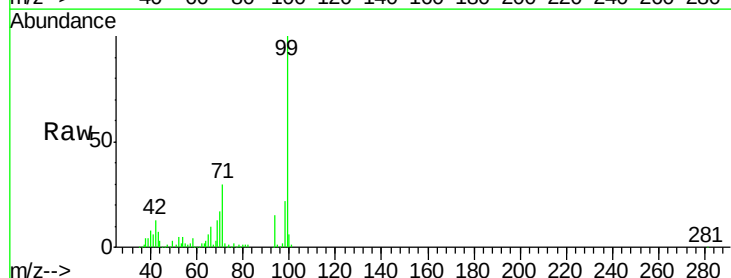
Tgt Ion: 94 Resp: 40562

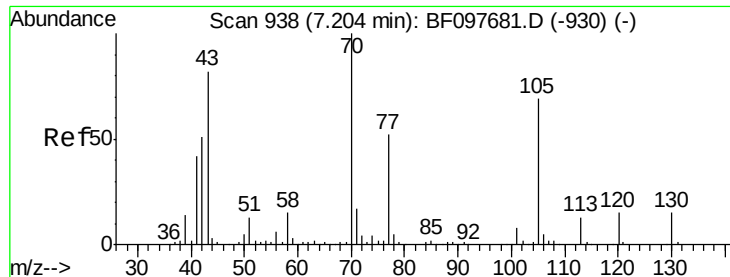
Ion Ratio Lower Upper

94 100

65 37.5 9.9 49.9

66 66.3 23.1 63.1#

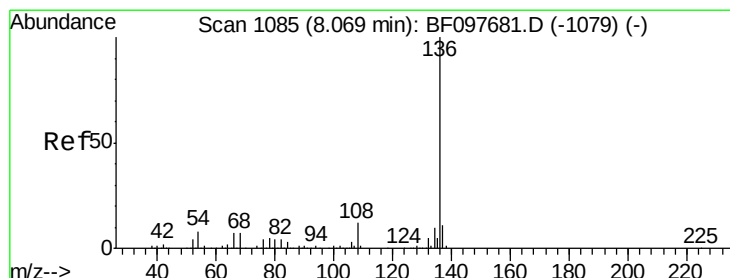
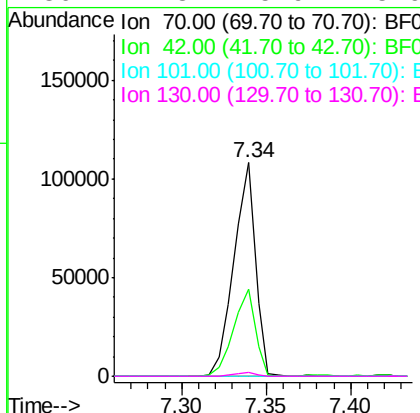
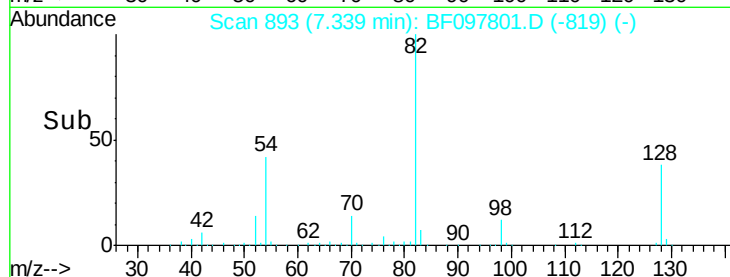
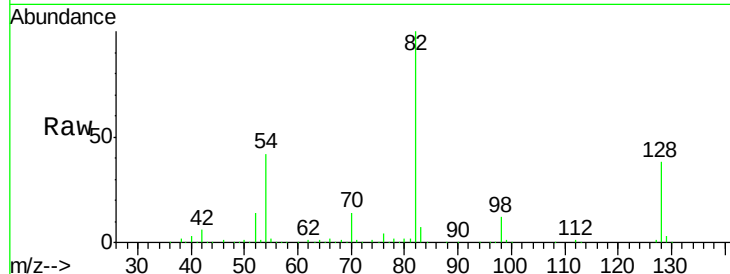




#19
n-Nitroso-di-n-propylamine
Concen: 10.93 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.14 min
Lab File: BF097801.D
Acq: 17 Aug 2017 22:20

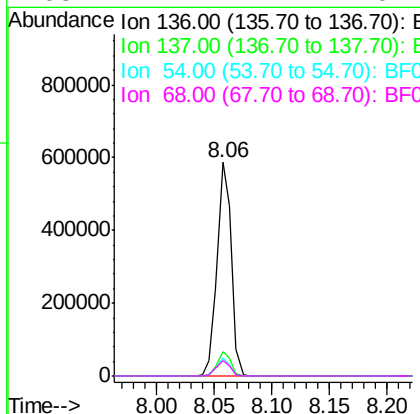
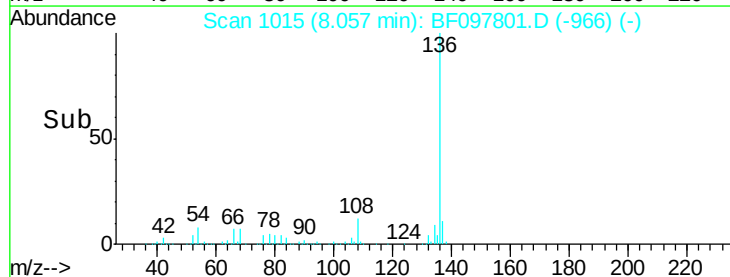
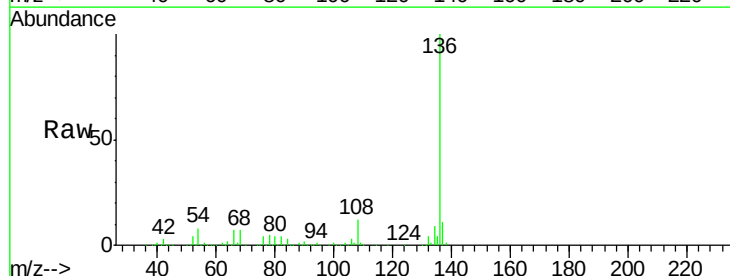
Instrument :
BNA_F
ClientSampleId :
RUSB-02

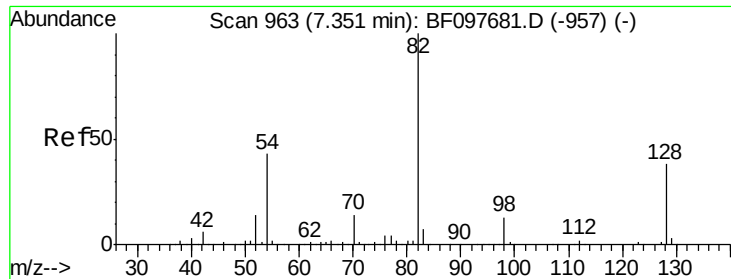
Tot Ion: 70 Resp: 96273
Ion Ratio Lower Upper
70 100
42 41.0 47.2 70.8#
101 0.0 7.2 10.8#
130 1.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF097801.D
Acq: 17 Aug 2017 22:20

Tgt Ion: 136 Resp: 503008
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 8.3 4.9 7.3#
68 7.4 4.1 6.1#

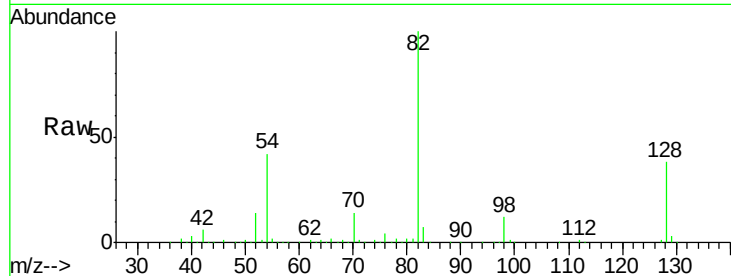




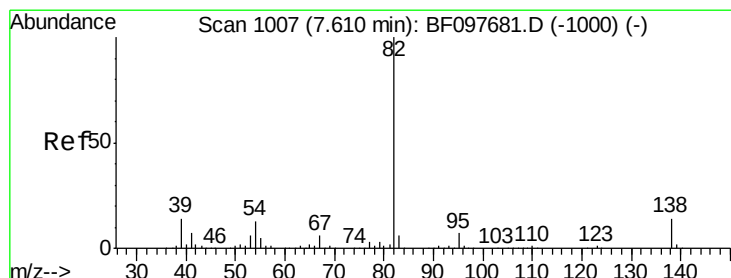
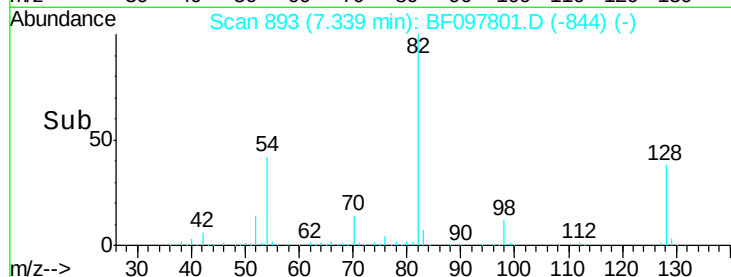
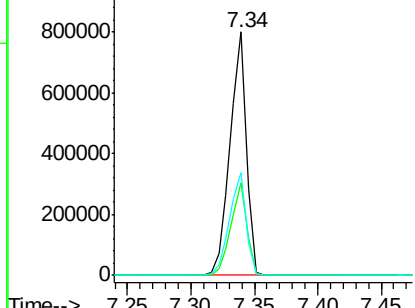
#23
Nitrobenzene-d5
Concen: 76.67 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097801.D
Acq: 17 Aug 2017 22:20

Instrument :
BNA_F
ClientSampleId :
RUSB-02

Tot Ion	82	Resp	709881
Ion Ratio	100	Lower	Upper
128	37.8	34.0	51.0
54	42.3	42.2	63.2

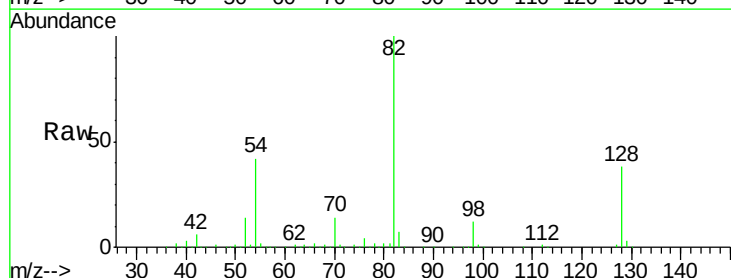


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

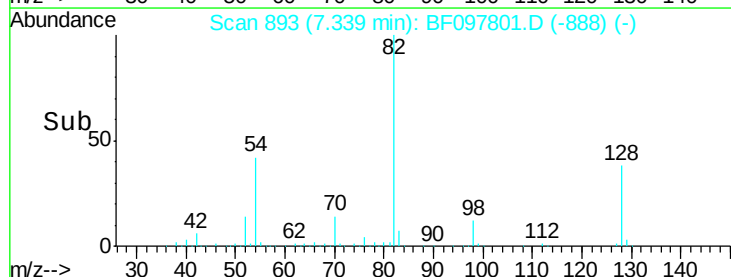
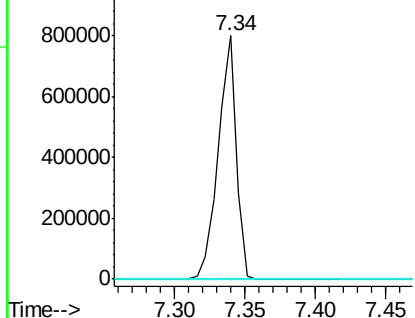


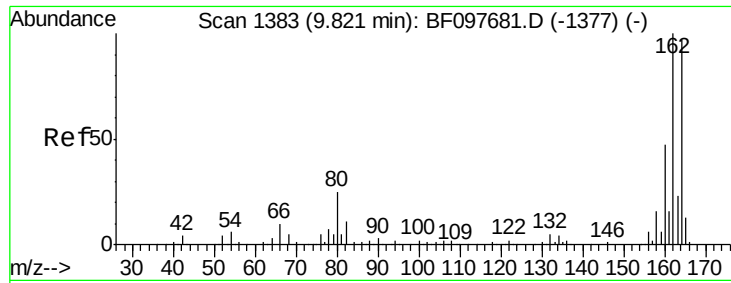
#25
Isophorone
Concen: 36.75 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.27 min
Lab File: BF097801.D
Acq: 17 Aug 2017 22:20

Tgt Ion	82	Resp	707589
Ion Ratio	100	Lower	Upper
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

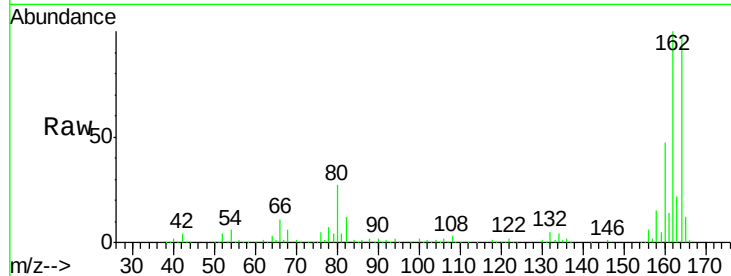




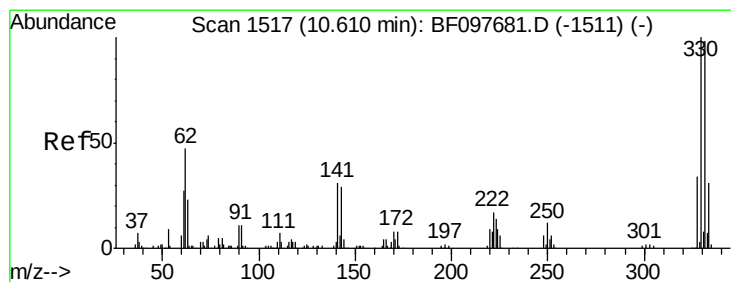
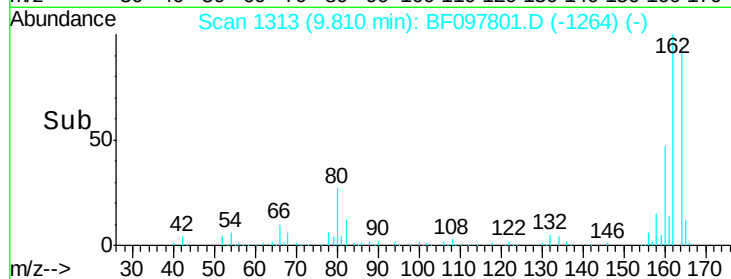
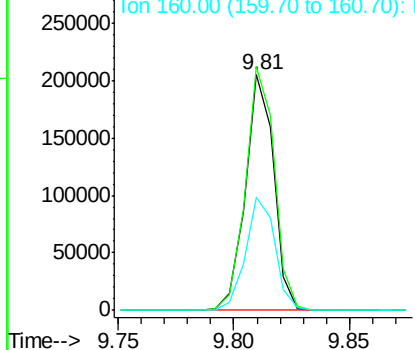
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097801.D
 Acq: 17 Aug 2017 22:20

Instrument :
 BNA_F
 ClientSampleId :
 RUSB-02

Tot Ion:164 Resp: 175924
 Ion Ratio Lower Upper
 164 100
 162 103.3 82.6 123.8
 160 48.1 36.2 54.2

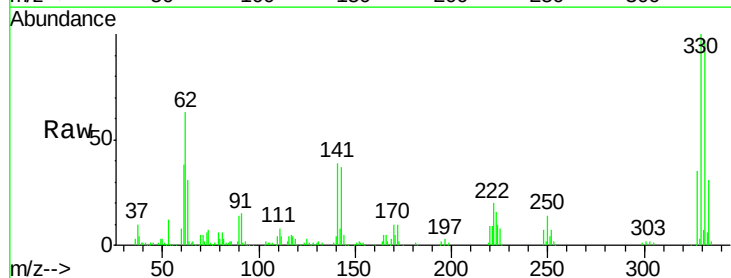


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

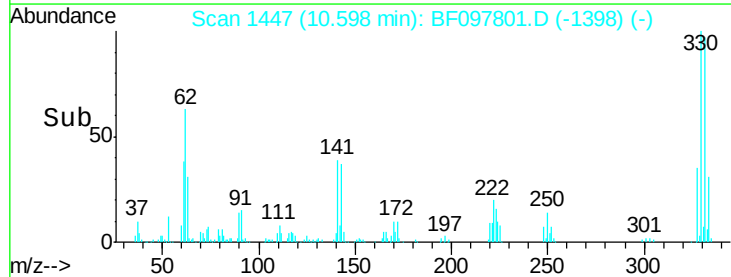
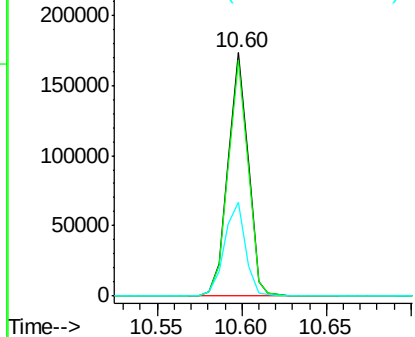


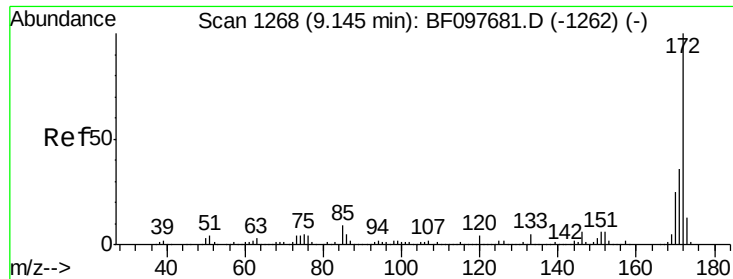
#41
 2,4,6-Tribromophenol
 Concen: 93.71 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097801.D
 Acq: 17 Aug 2017 22:20

Tgt Ion:330 Resp: 143039
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 41.2 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

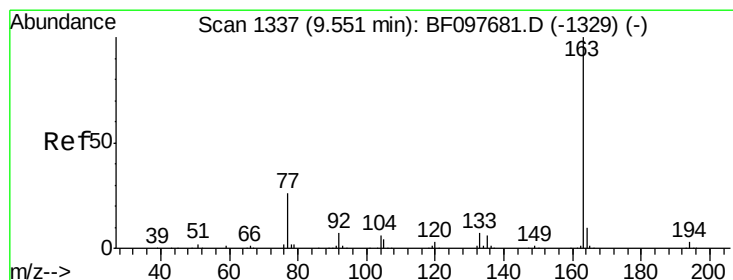
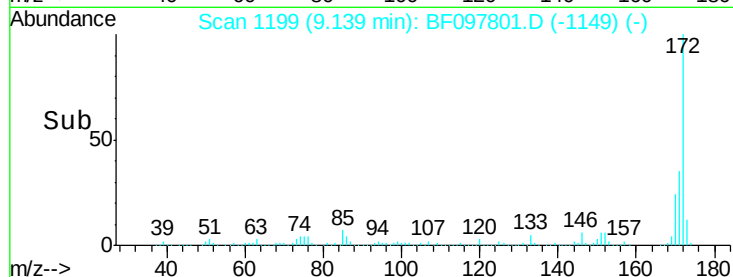
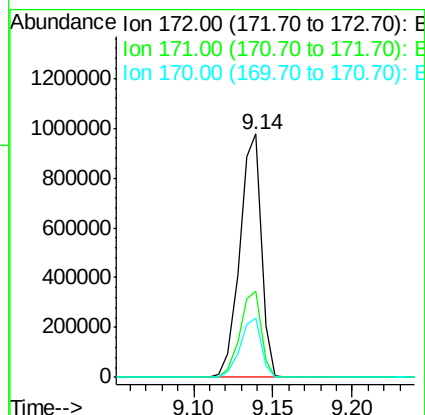
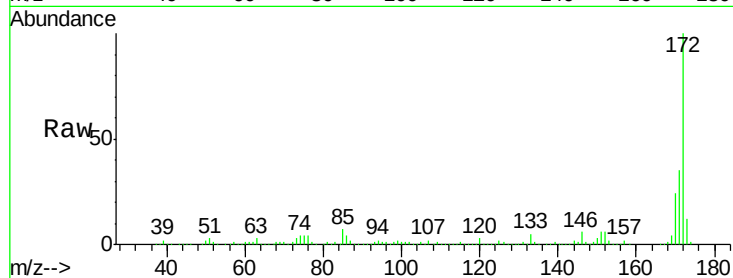




#44
2-Fluorobiphenyl
Concen: 76.54 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF097801.D
Acq: 17 Aug 2017 22:20

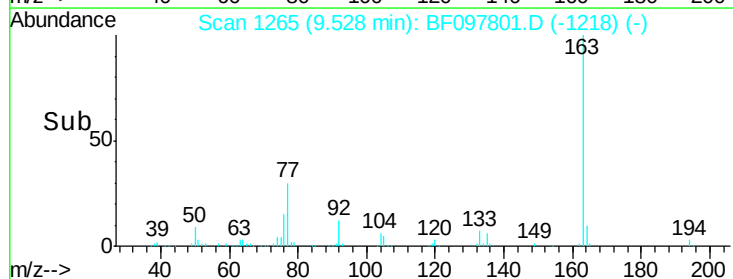
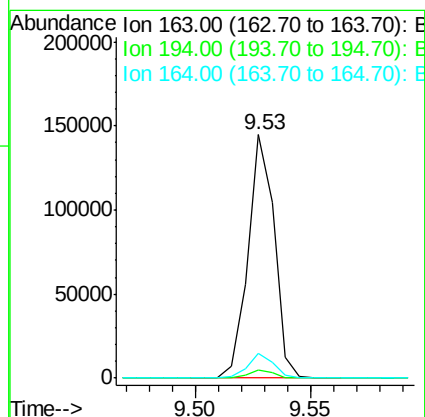
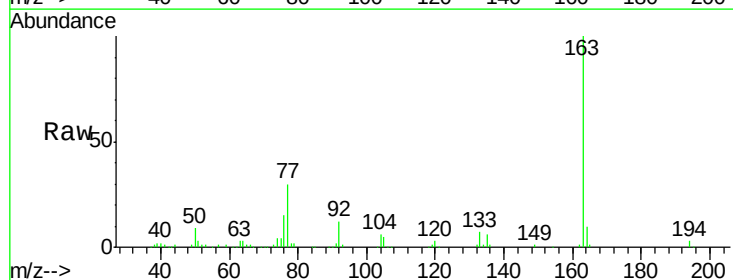
Instrument :
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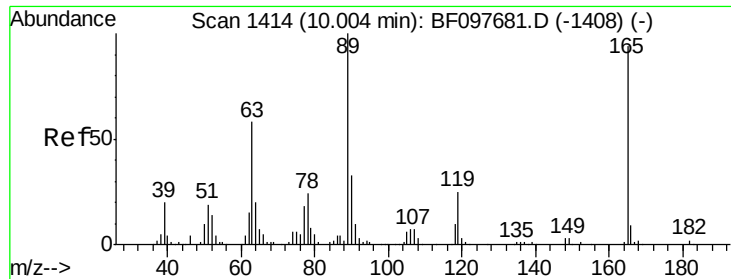
Tot Ion:172 Resp: 916505
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 24.4 19.8 29.8



#49
Dimethylphthalate
Concen: 9.00 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097801.D
Acq: 17 Aug 2017 22:20

Tgt Ion:163 Resp: 115708
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.1 8.4 12.6

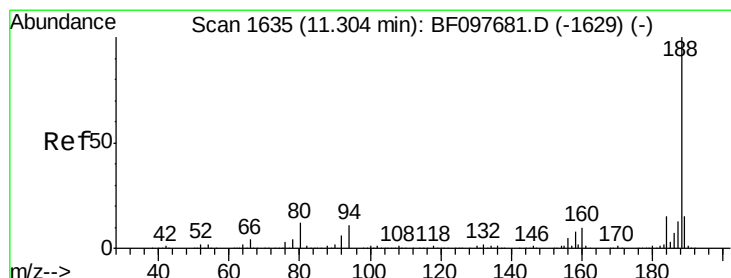
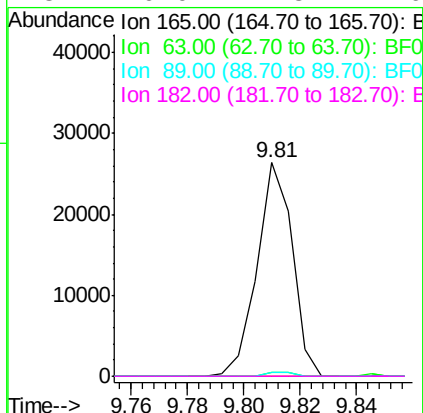
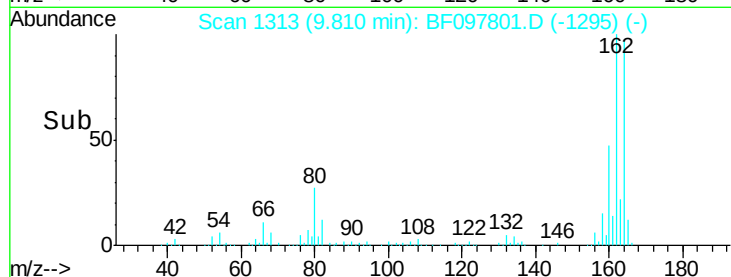
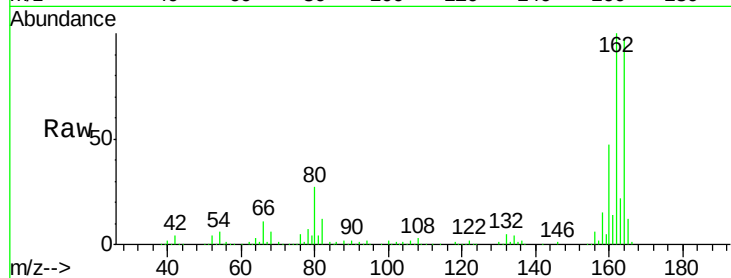




#56
 2,4-Dinitrotoluene
 Concen: 7.09 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF097801.D
 Acq: 17 Aug 2017 22:20

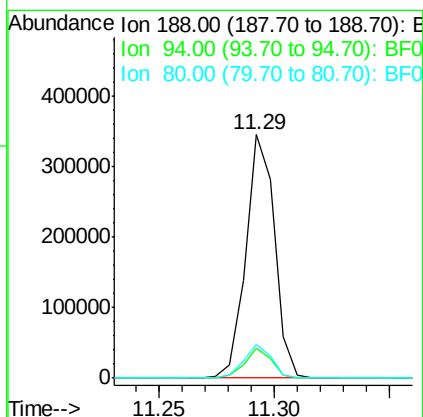
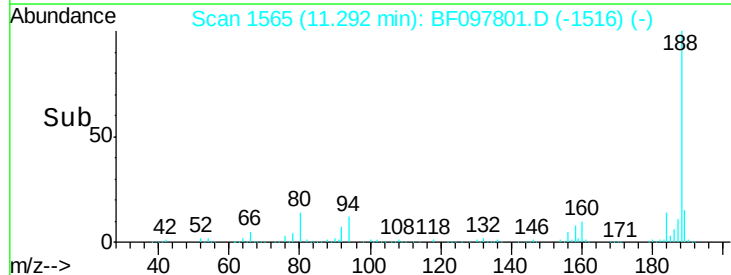
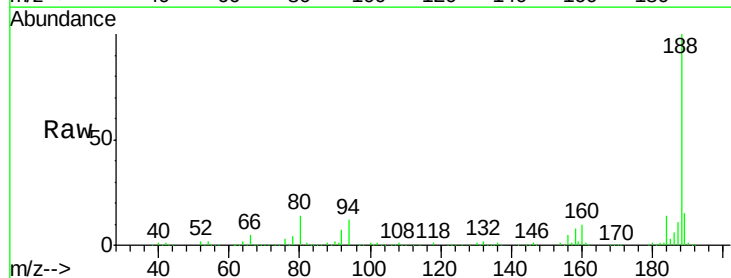
Instrument :
 BNA_F
 ClientSampleId :
 RUSB-02

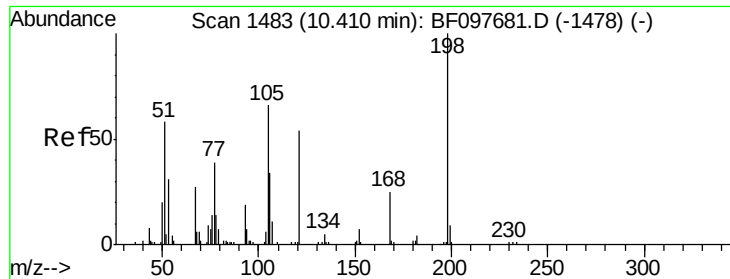
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF097801.D
 Acq: 17 Aug 2017 22:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.4	9.4	14.2
80	13.6	10.2	15.2

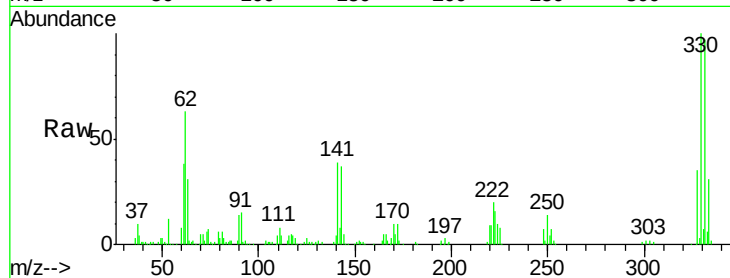




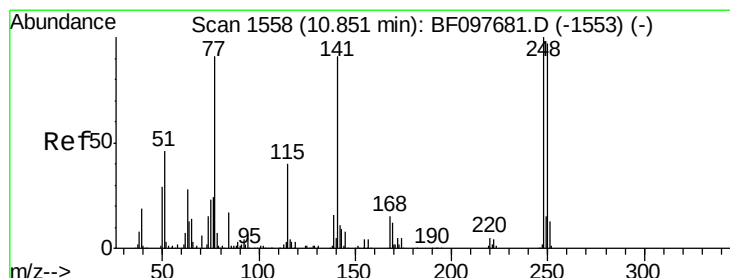
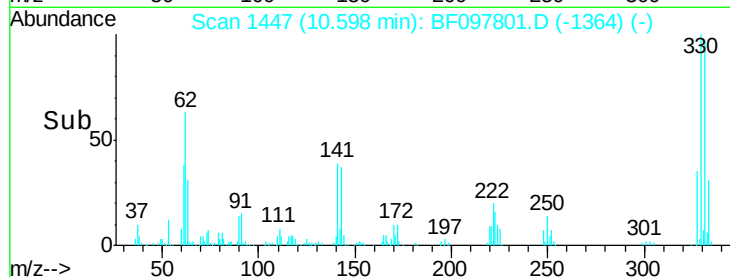
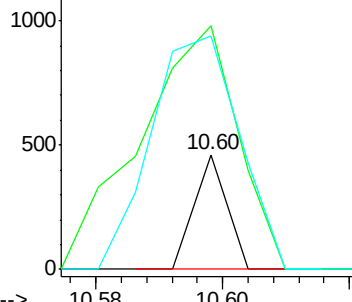
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.42 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF097801.D
 Acq: 17 Aug 2017 22:20

Instrument :
 BNA_F
 ClientSampleId :
 RUSB-02

Tot Ion:198 Resp: 163
 Ion Ratio Lower Upper
 198 100
 51 211.7 53.2 93.2#
 105 202.4 45.8 85.8#

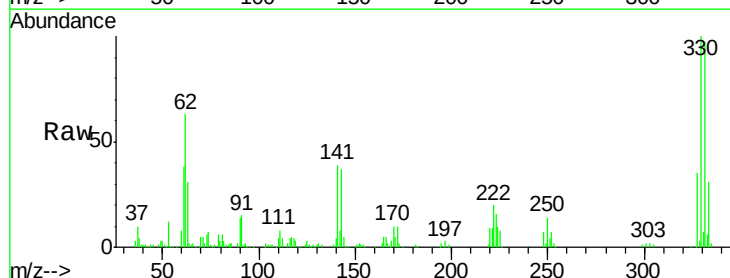


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

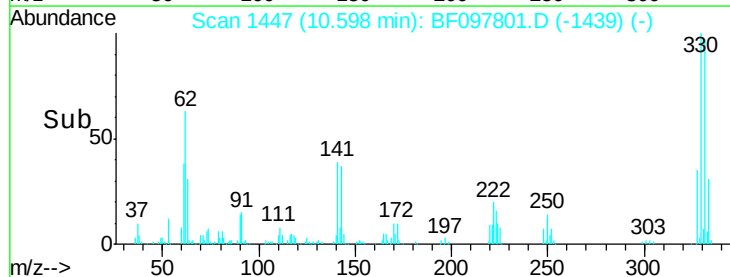
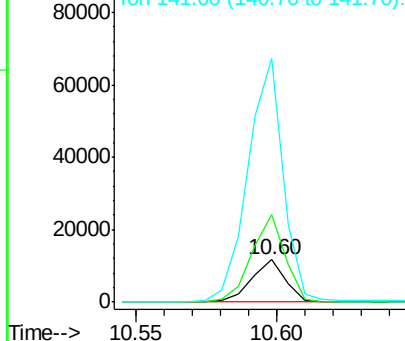


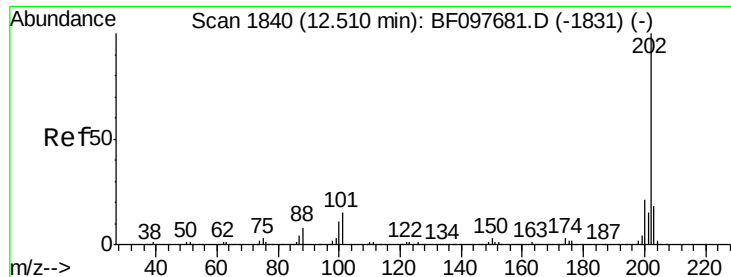
#66
 4-Bromophenyl-phenylether
 Concen: 3.08 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF097801.D
 Acq: 17 Aug 2017 22:20

Tgt Ion:248 Resp: 9645
 Ion Ratio Lower Upper
 248 100
 250 204.3 76.8 115.2#
 141 572.2 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: 4.74 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

Instrument :

BNA_F

ClientSampleId :

RUSB-02

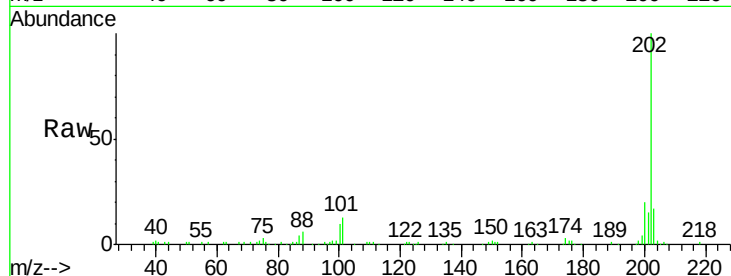
Tot Ion:202 Resp: 79416

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

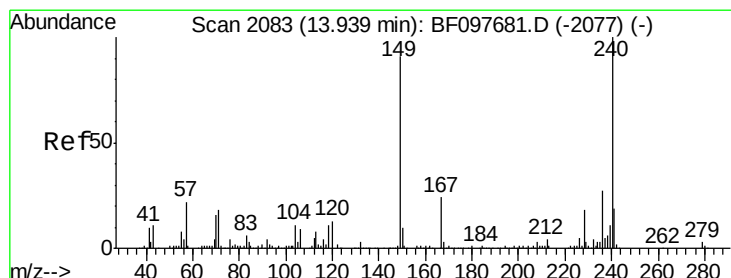
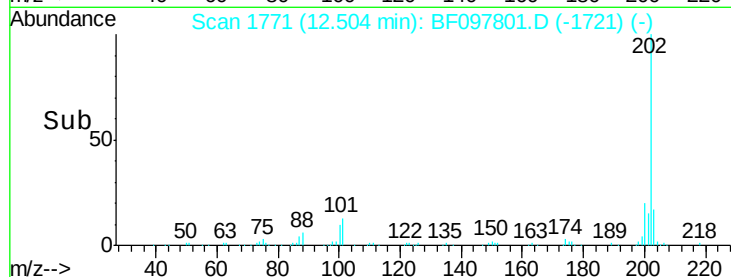
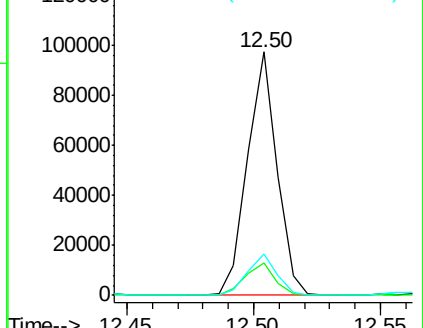
203 17.2 0.0 38.1



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# 2013

Delta R.T. -0.01 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

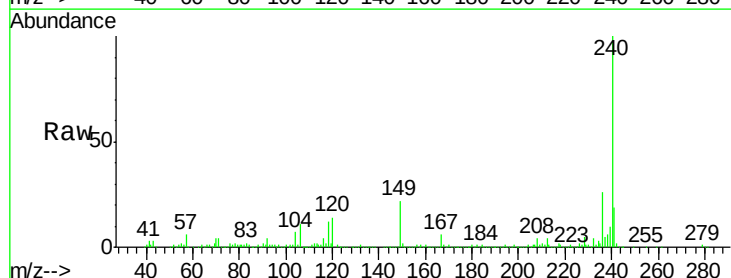
Tgt Ion:240 Resp: 314975

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

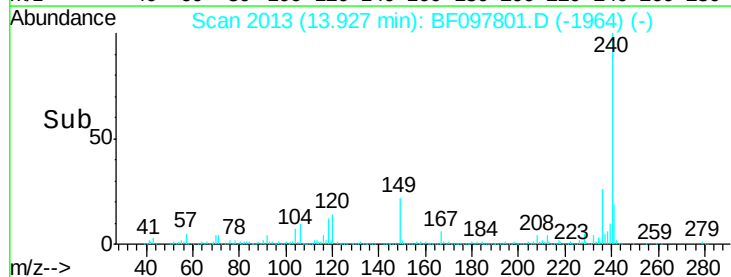
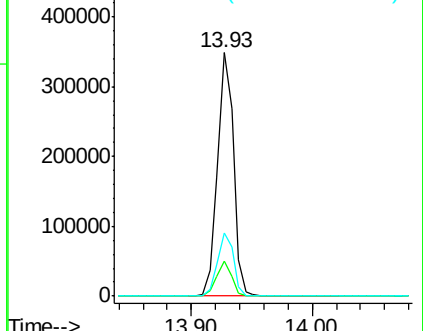
236 26.0 20.5 30.7

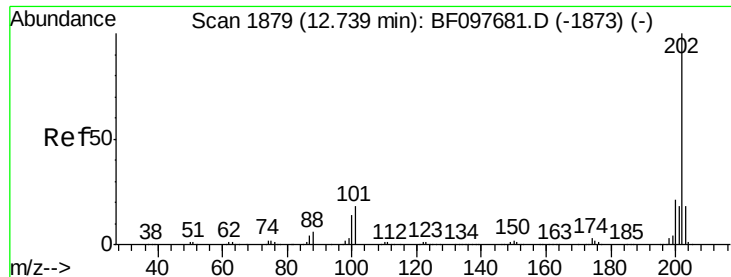


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.14 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

Instrument :

BNA_F

ClientSampleId :

RUSB-02

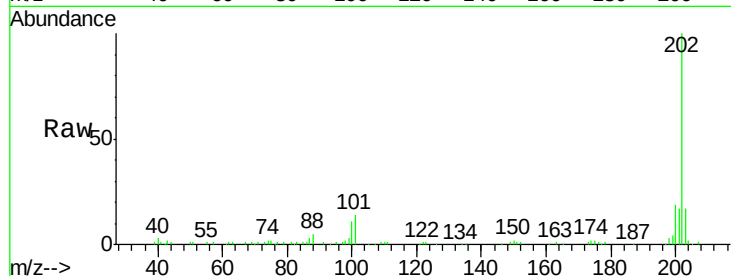
Tot Ion:202 Resp: 80961

Ion Ratio Lower Upper

202 100

200 19.4 17.6 26.4

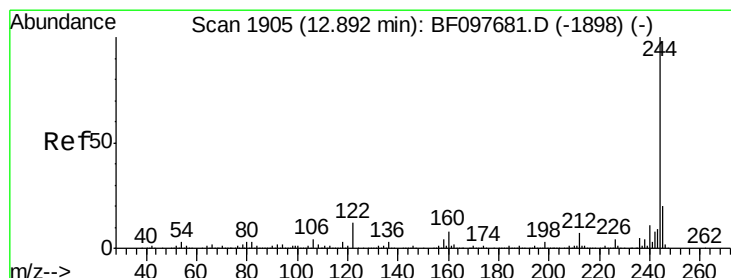
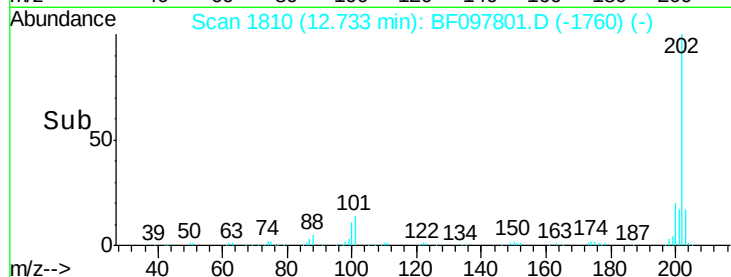
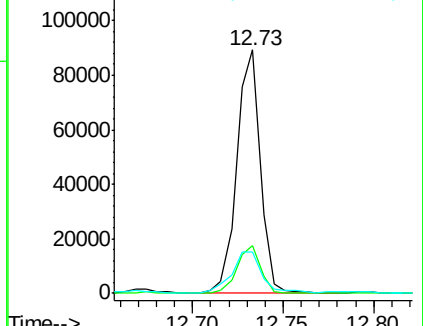
203 16.9 14.4 21.6



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: 47.43 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

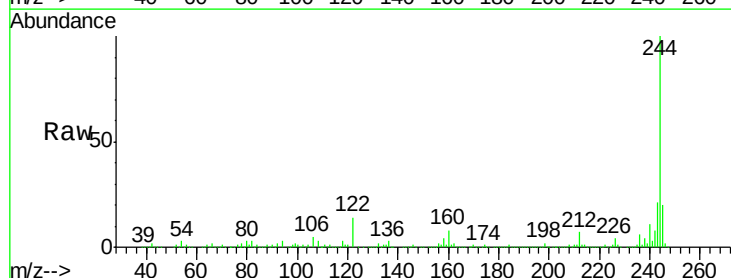
Tgt Ion:244 Resp: 716351

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

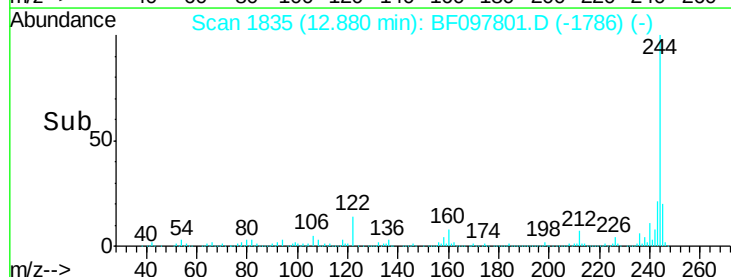
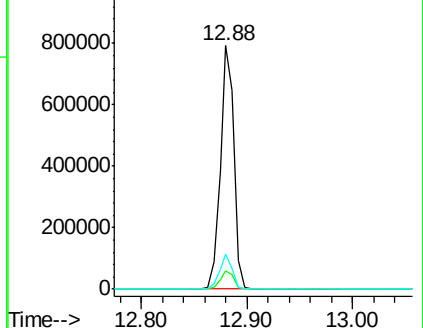
122 14.2 10.3 15.5

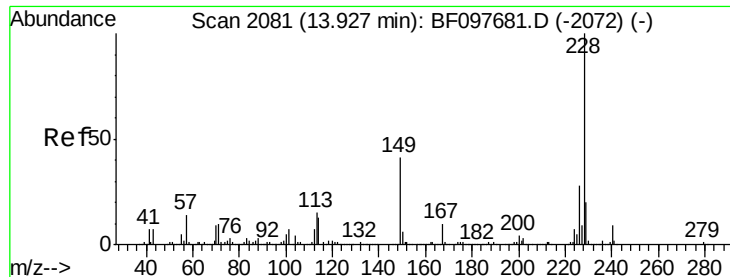


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.79 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.02 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

Instrument :

BNA_F

ClientSampled :

RUSB-02

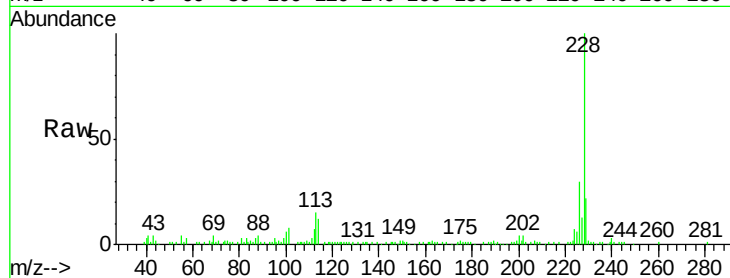
Tot Ion:228 Resp: 71464

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

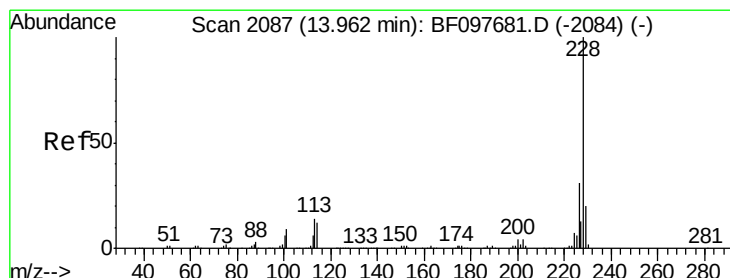
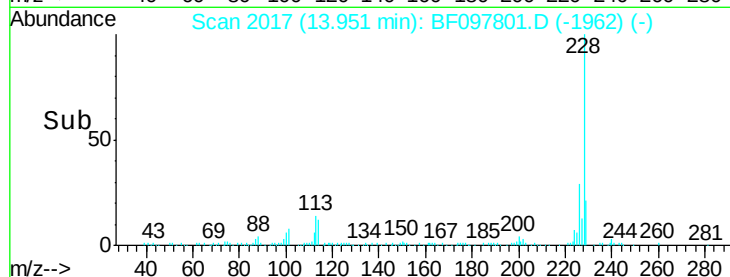
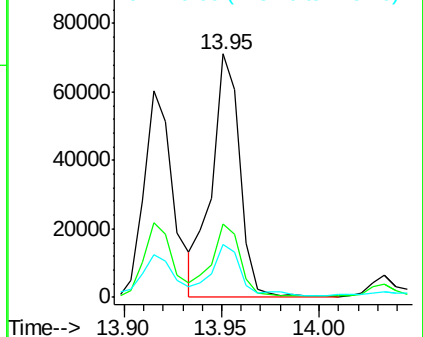
229 21.9 16.3 24.5



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: 3.81 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

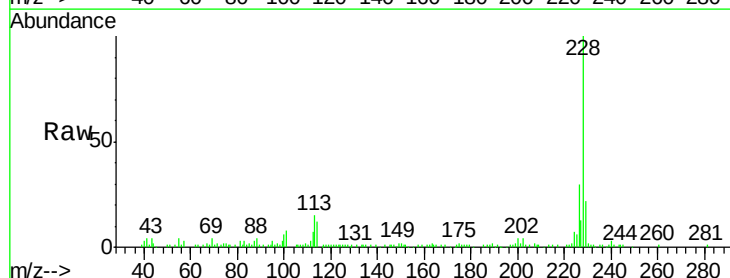
Tgt Ion:228 Resp: 71464

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

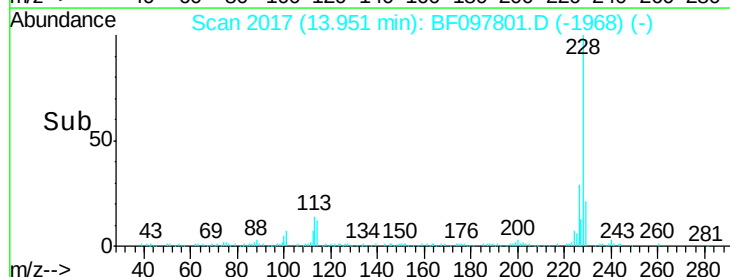
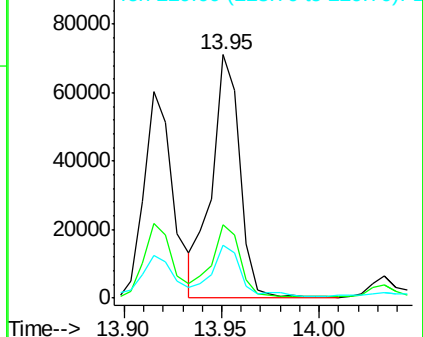
229 21.9 15.8 23.6

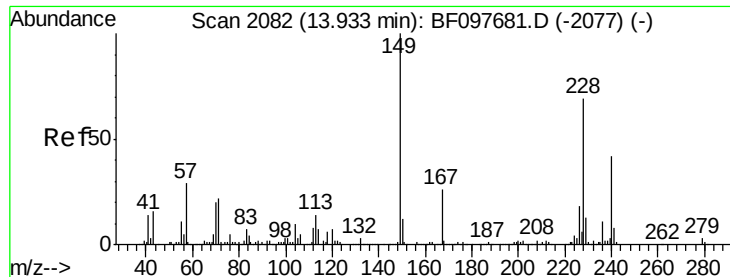


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 9.81 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

Instrument :

BNA_F

ClientSampleId :

RUSB-02

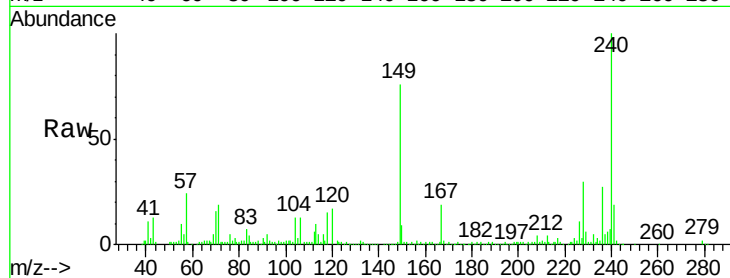
Tot Ion:149 Resp: 107410

Ion Ratio Lower Upper

149 100

167 25.1 21.0 31.4

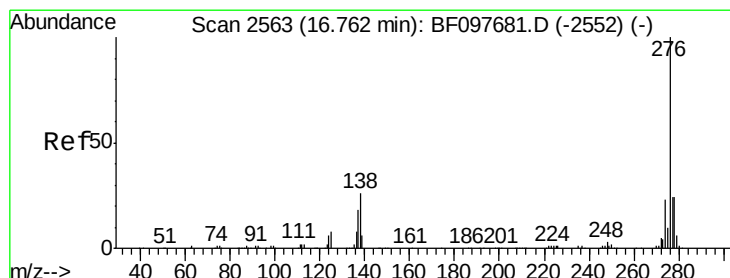
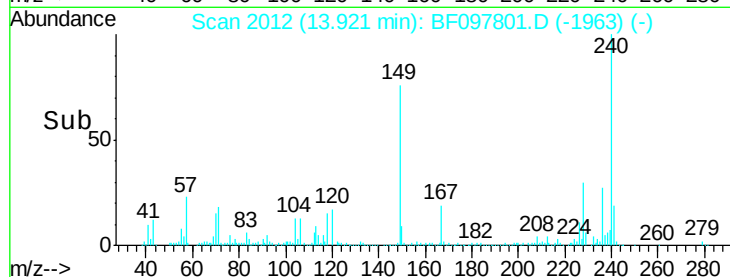
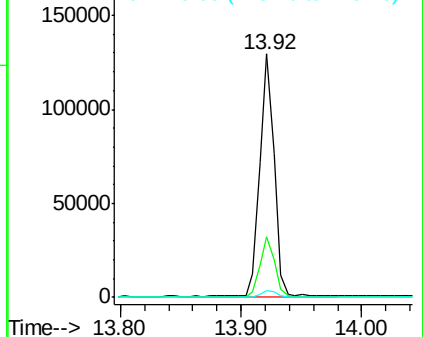
279 2.9 1.9 2.9



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: 3.08 ng

RT: 16.75 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

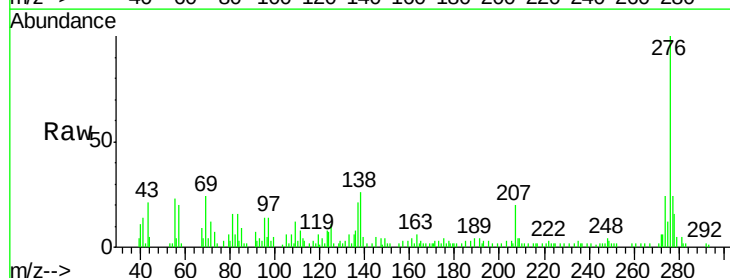
Tgt Ion:276 Resp: 42580

Ion Ratio Lower Upper

276 100

138 23.3 27.8 41.6#

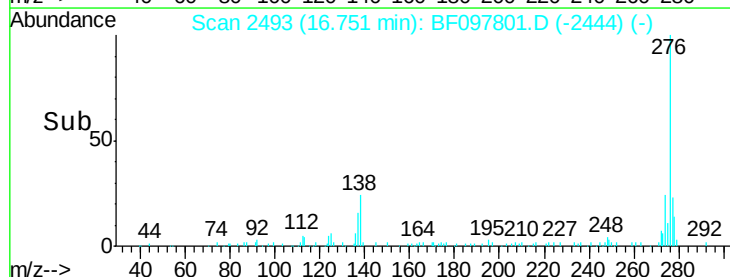
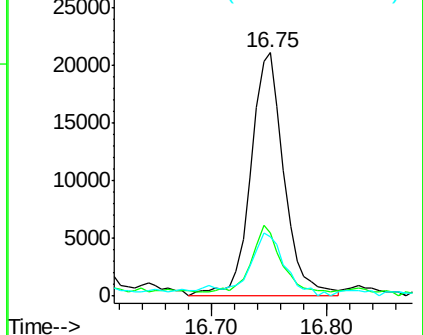
277 26.4 20.2 30.4

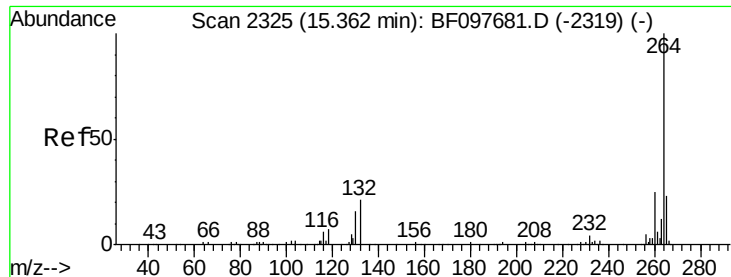


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

Instrument :

BNA_F

ClientSampled :

RUSB-02

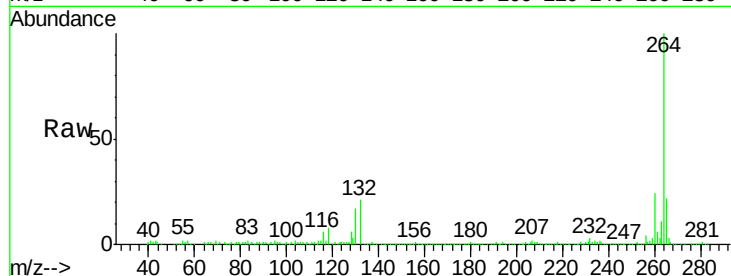
Tot Ion:264 Resp: 233580

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

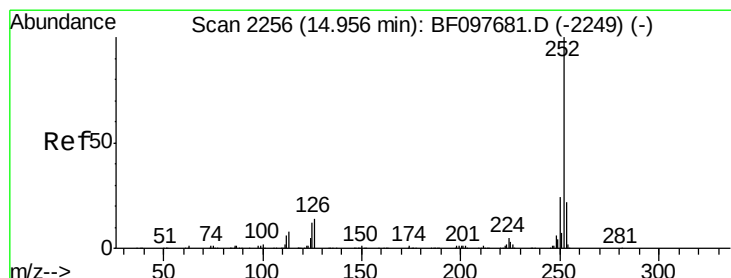
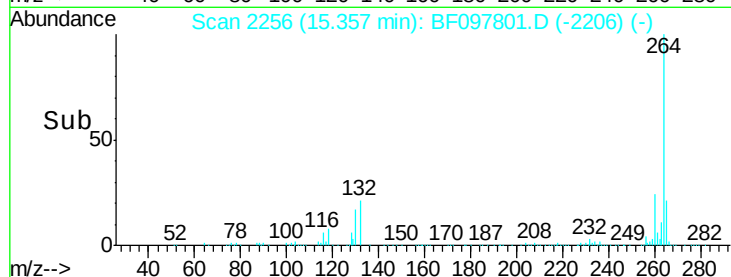
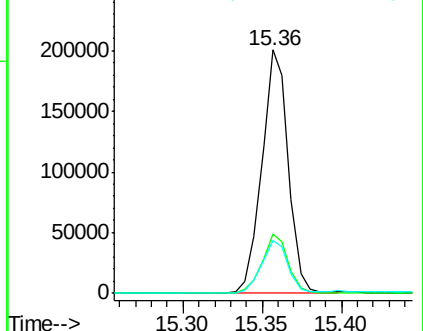
265 21.6 17.2 25.8



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: 9.02 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

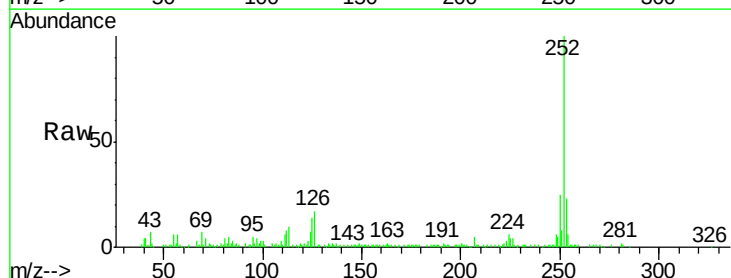
Tgt Ion:252 Resp: 132870

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

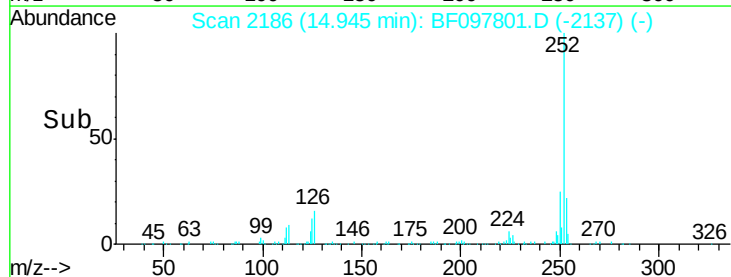
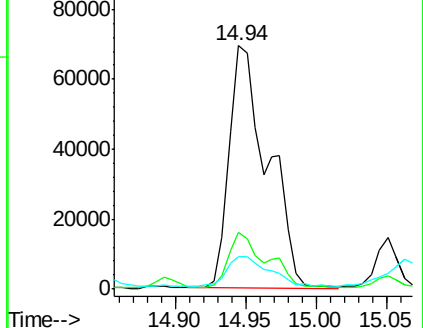
125 13.6 9.8 14.8

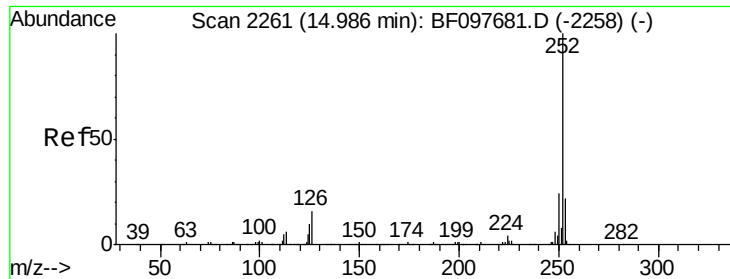


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 9.61 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.04 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

Instrument :

BNA_F

ClientSampleId :

RUSB-02

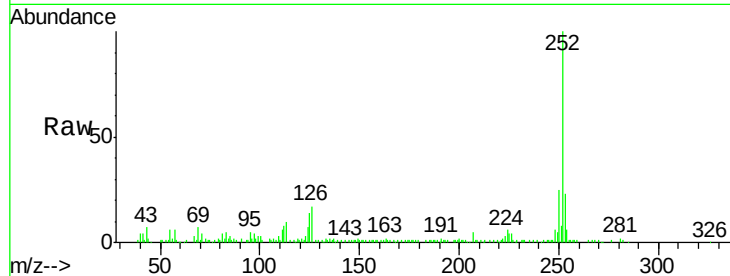
Tot Ion:252 Resp: 132870

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

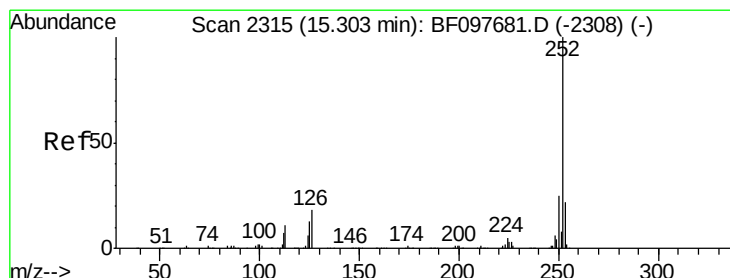
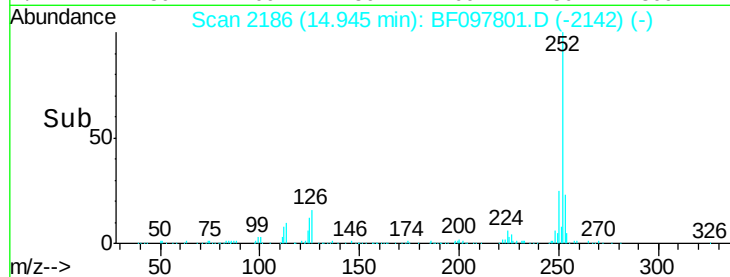
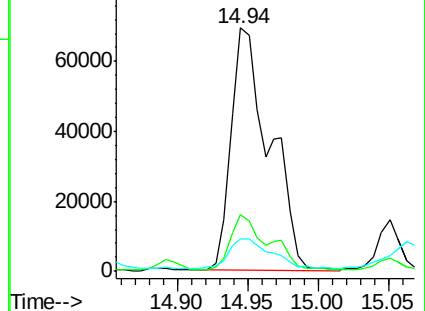
125 13.6 13.1 19.7



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: 5.12 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

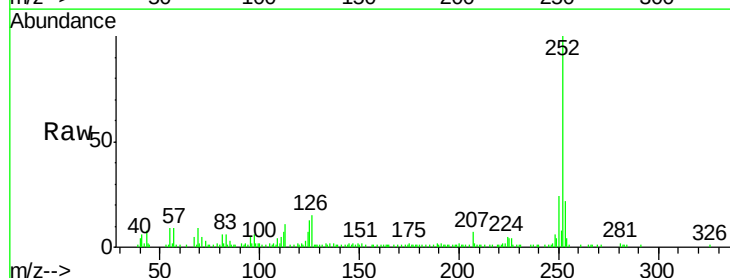
Tgt Ion:252 Resp: 66789

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

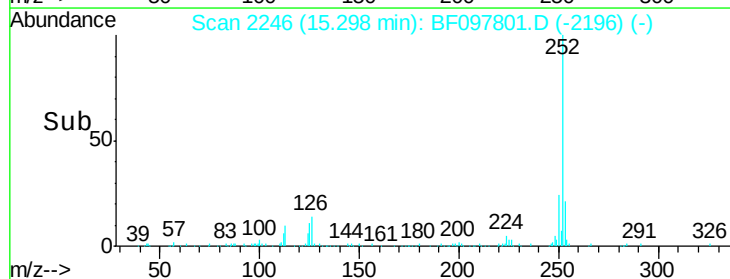
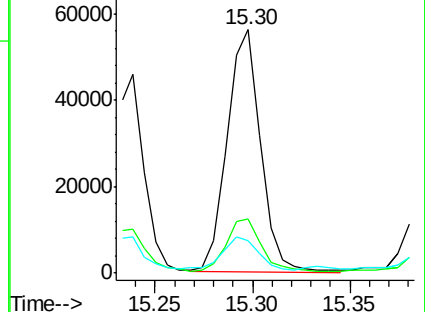
125 13.2 11.0 16.4

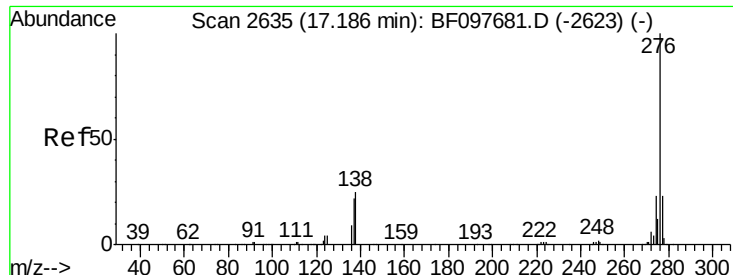


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.62 ng

RT: 17.17 min Scan# 2564

Delta R.T. -0.02 min

Lab File: BF097801.D

Acq: 17 Aug 2017 22:20

Instrument :

BNA_F

ClientSampleId :

RUSB-02

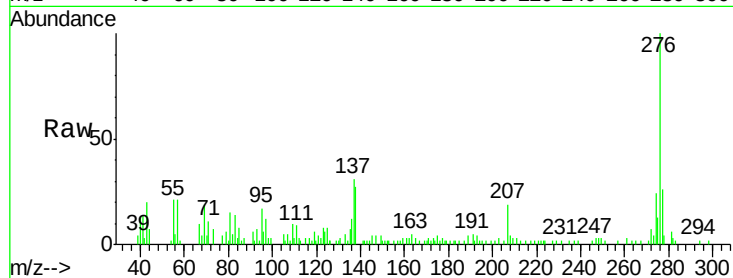
Tot Ion:276 Resp: 40052

Ion Ratio Lower Upper

276 100

277 26.3 18.6 28.0

138 26.6 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

