

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097702.D
 Acq On : 15 Aug 2017 20:28
 Operator : SJ/JU
 Sample : I4758-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-081117

Quant Time: Aug 16 03:54:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

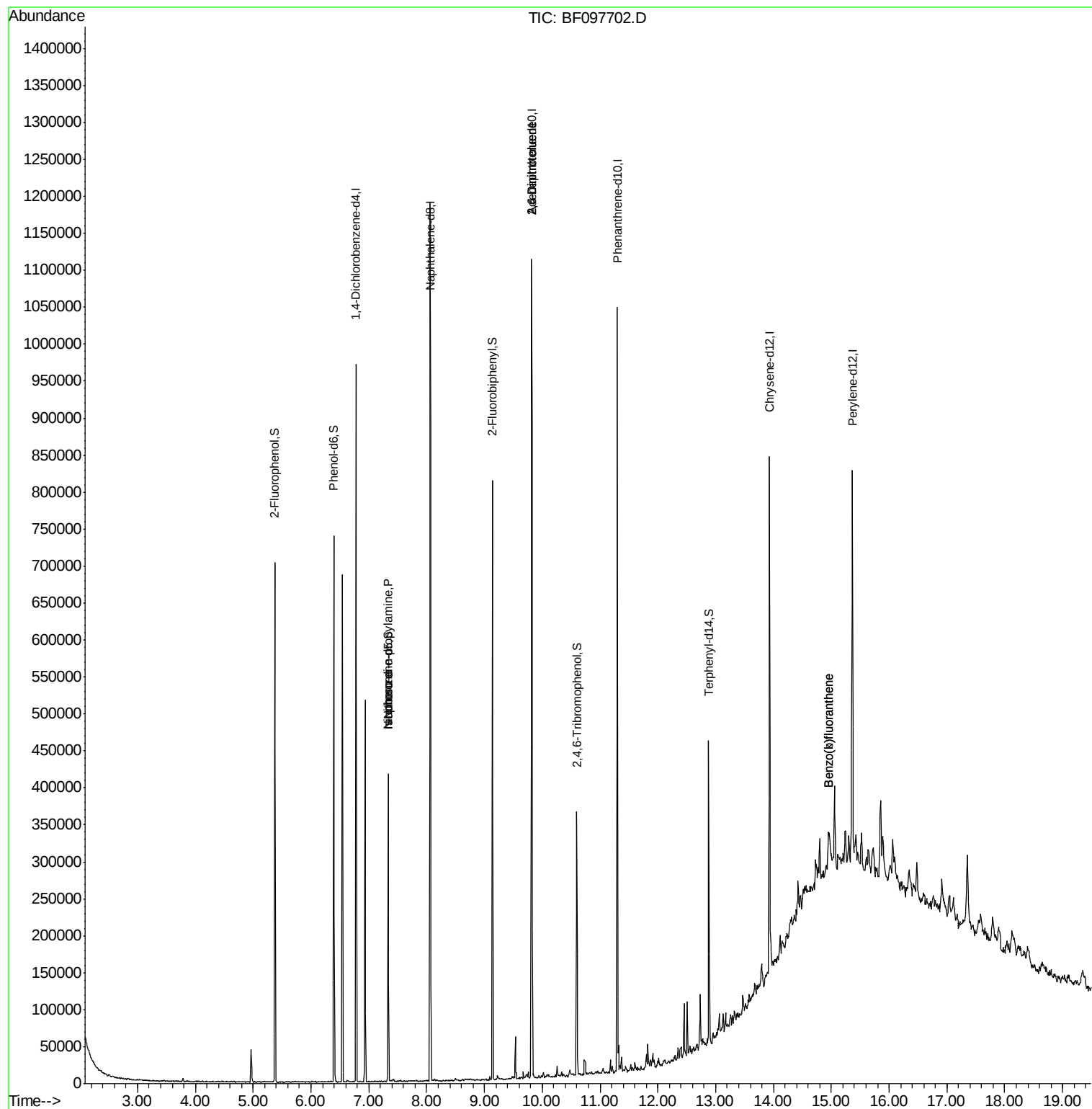
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	117473	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	456312	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	194220	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	317001	20.00	ng	0.00
75) Chrysene-d12	13.93	240	228557	20.00	ng	0.00
86) Perylene-d12	15.36	264	229554	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	164166	21.26	ng	-0.01
7) Phenol-d6	6.40	99	218104	20.78	ng	-0.01
23) Nitrobenzene-d5	7.34	82	118557	14.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	28863	17.13	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	194763	14.73	ng	0.00
78) Terphenyl-d14	12.89	244	112938	10.30	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	15701	2.19	ng	# 76
25) Isophorone	7.34	82	118591	6.79	ng	# 67
50) 2,6-Dinitrotoluene	9.82	165	24517	8.65	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	24517	6.89	ng	# 33
87) Benzo(b)fluoranthene	14.95	252	32185	2.22	ng	# 83
88) Benzo(k)fluoranthene	14.95	252	32185	2.37	ng	# 87

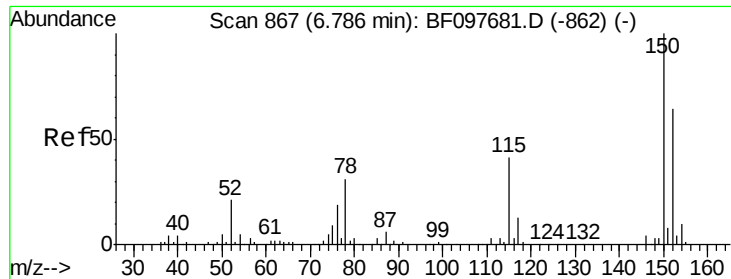
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF097702.D

Acq: 15 Aug 2017 20:28

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

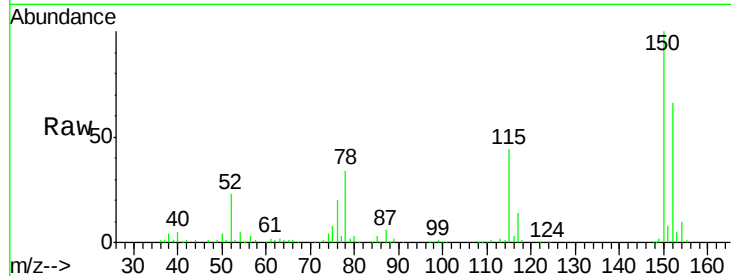
Tot Ion:152 Resp: 117473

Ion Ratio Lower Upper

152 100

150 152.1 126.2 189.2

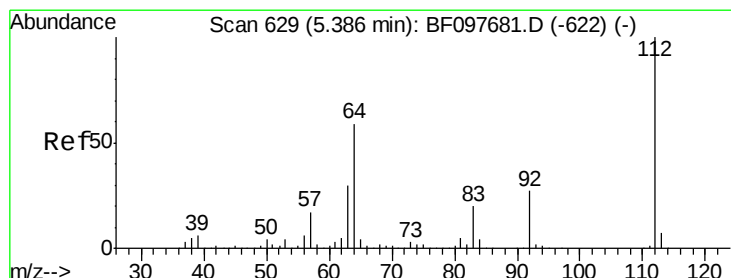
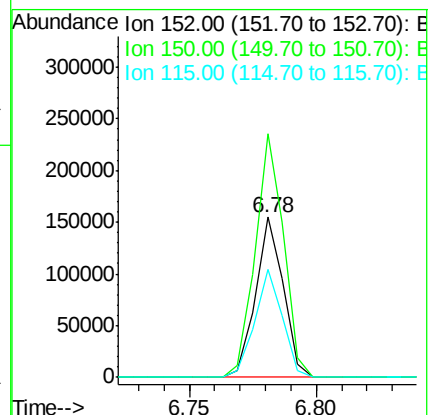
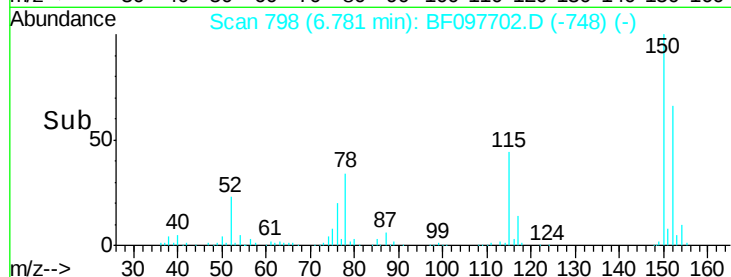
115 67.5 52.2 78.2



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: 21.26 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF097702.D

Acq: 15 Aug 2017 20:28

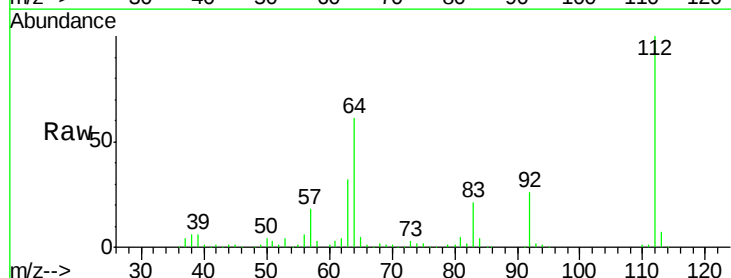
Tgt Ion:112 Resp: 164166

Ion Ratio Lower Upper

112 100

64 61.4 46.0 69.0

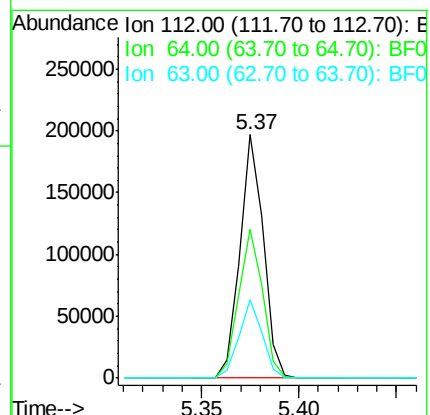
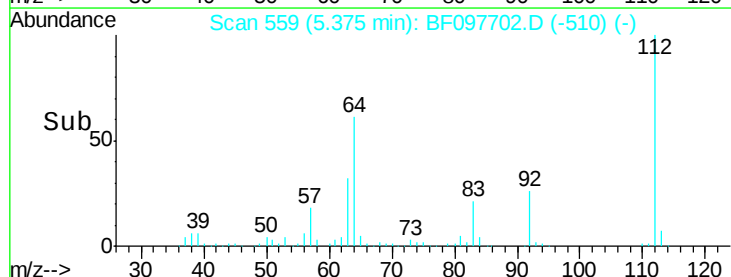
63 32.4 23.4 35.0

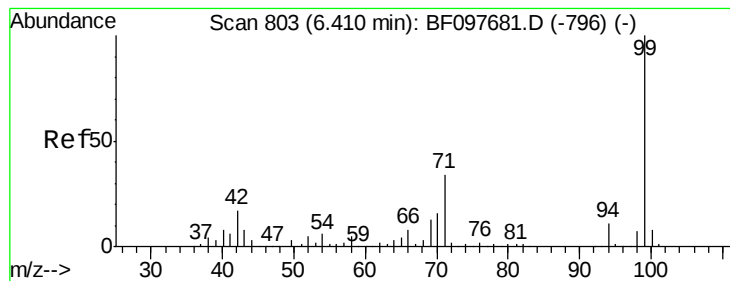


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.78 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097702.D

Acq: 15 Aug 2017 20:28

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

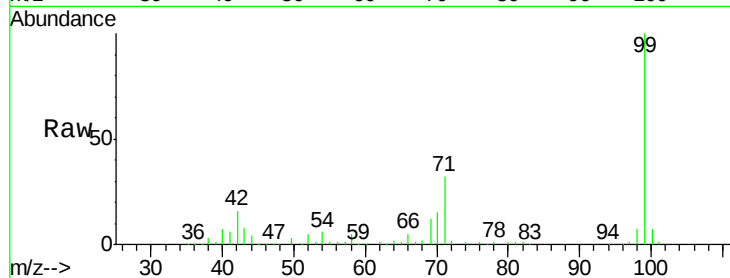
Tot Ion: 99 Resp: 218104

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

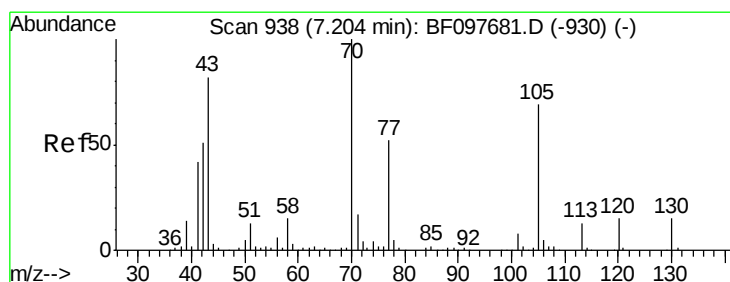
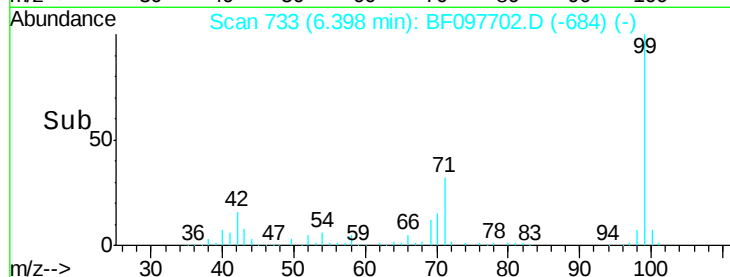
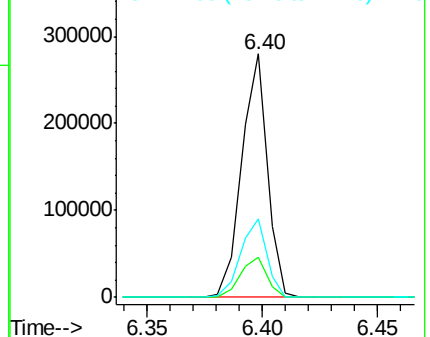
71 32.5 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.19 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.14 min

Lab File: BF097702.D

Acq: 15 Aug 2017 20:28

Tgt Ion: 70 Resp: 15701

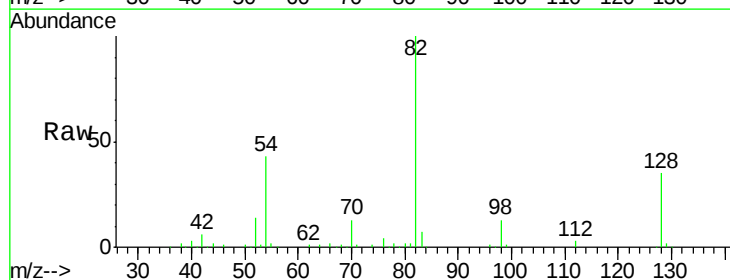
Ion Ratio Lower Upper

70 100

42 44.8 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

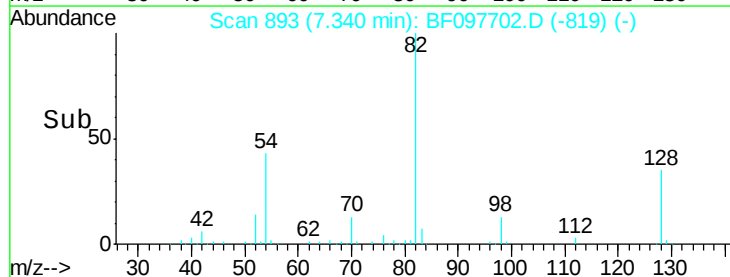
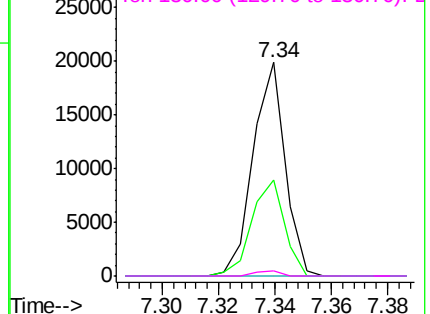


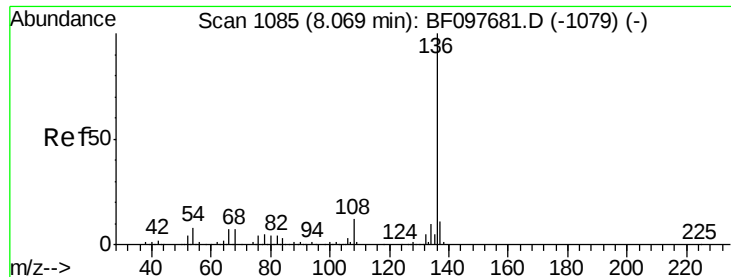
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097702.D

Acq: 15 Aug 2017 20:28

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

Tot Ion:136 Resp: 456312

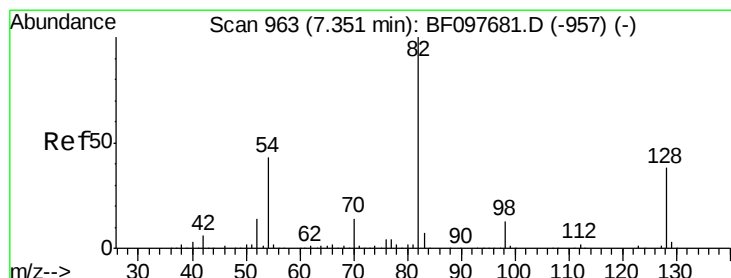
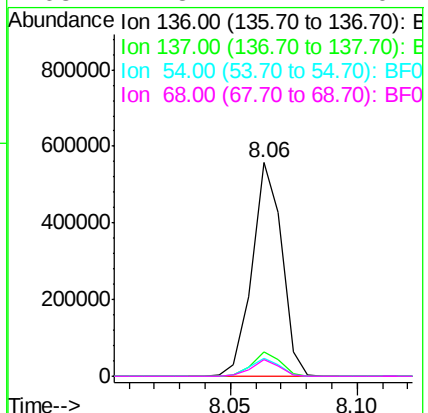
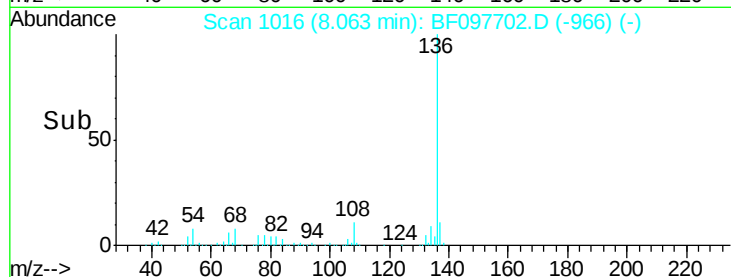
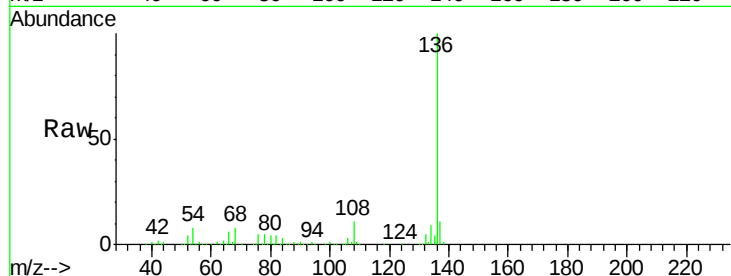
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 8.4 4.9 7.3#

68 7.8 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 14.11 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF097702.D

Acq: 15 Aug 2017 20:28

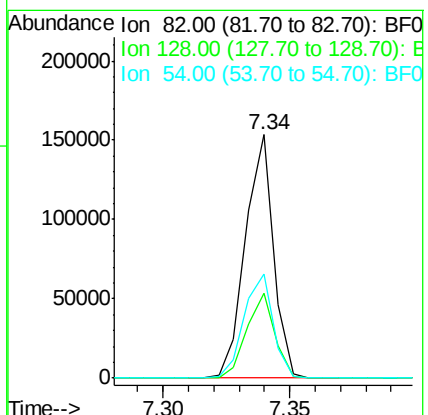
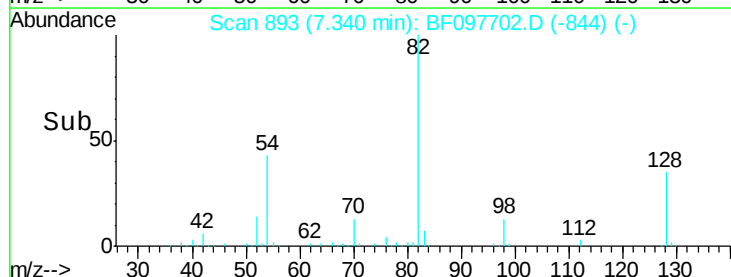
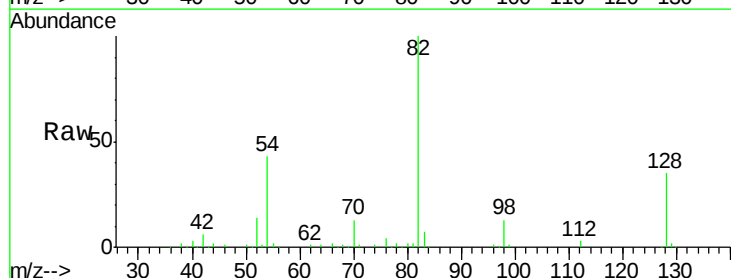
Tgt Ion: 82 Resp: 118557

Ion Ratio Lower Upper

82 100

128 34.7 34.0 51.0

54 42.7 42.2 63.2





#25

Isophorone

Concen: 6.79 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.27 min

Lab File: BF097702.D

Acq: 15 Aug 2017 20:28

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

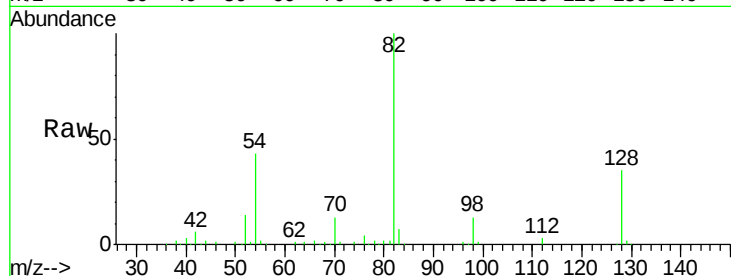
Tot Ion: 82 Resp: 118591

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

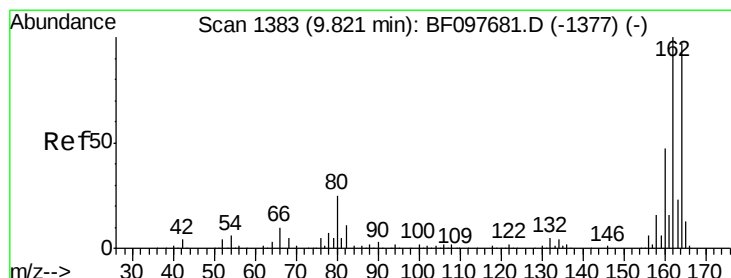
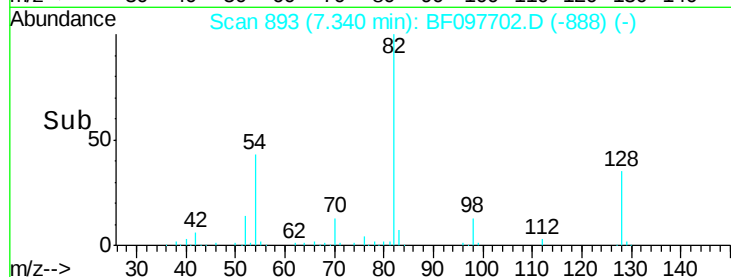
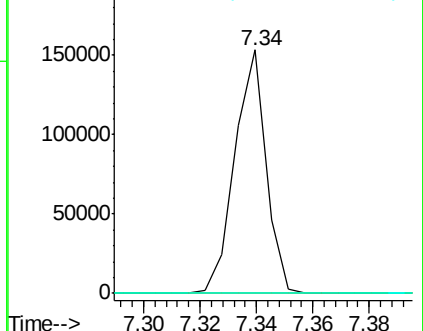
138 0.0 13.1 19.7#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF097702.D

Acq: 15 Aug 2017 20:28

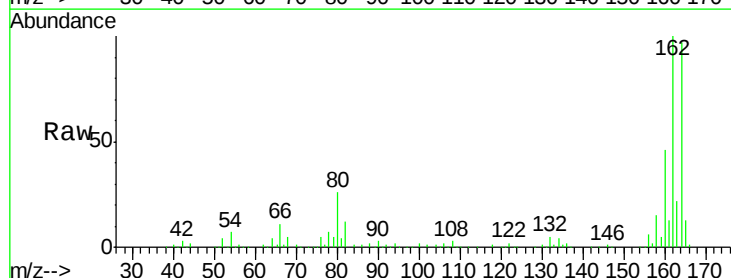
Tgt Ion: 164 Resp: 194220

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

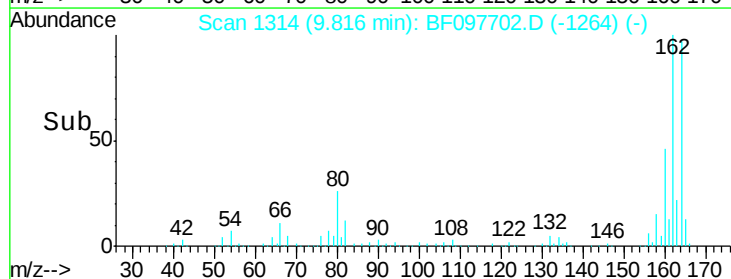
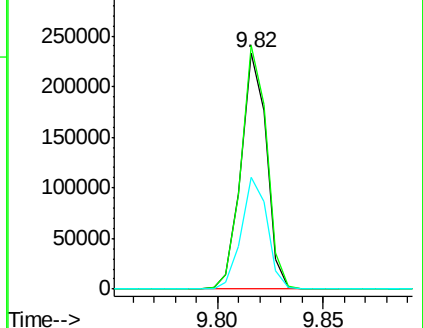
160 47.2 36.2 54.2

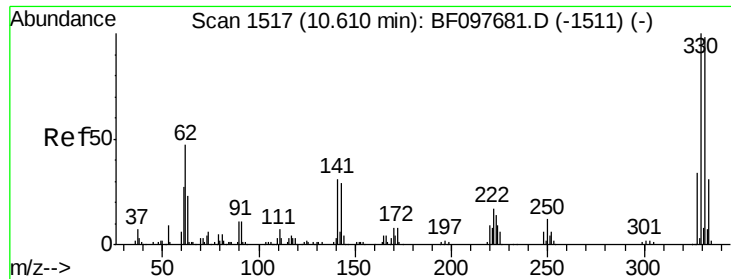


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

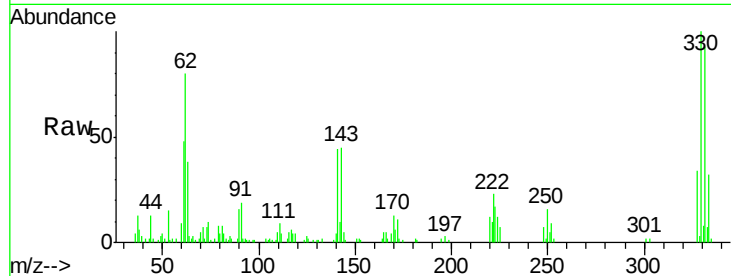




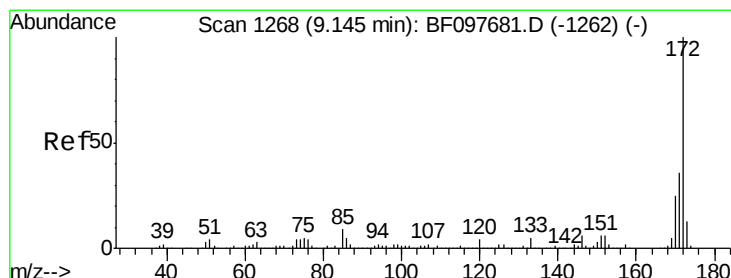
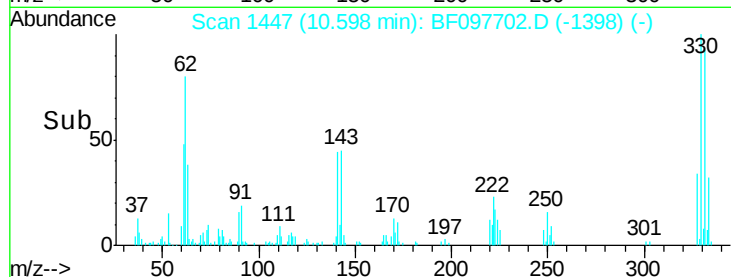
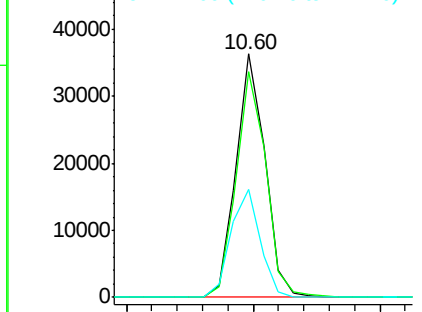
#41
 2,4,6-Tribromophenol
 Concen: 17.13 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097702.D
 Acq: 15 Aug 2017 20:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-081117

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	115.0
141	44.7	31.4	47.2

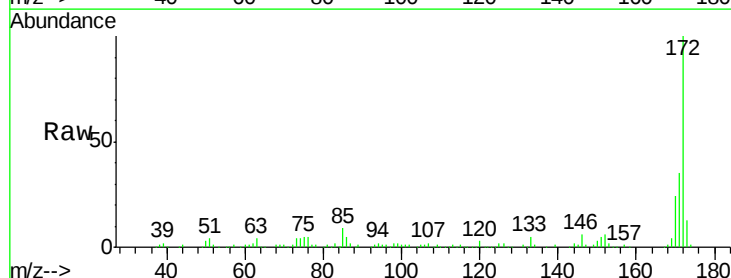


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

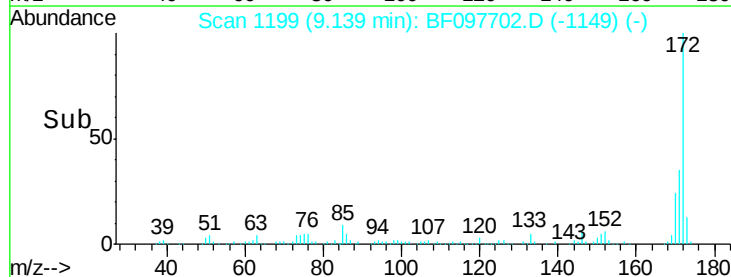
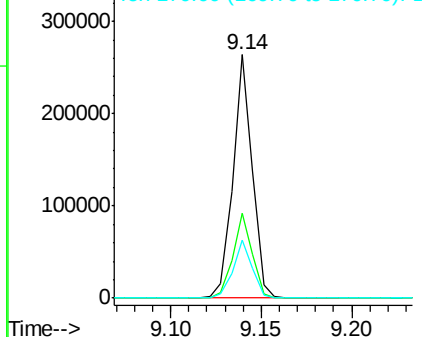


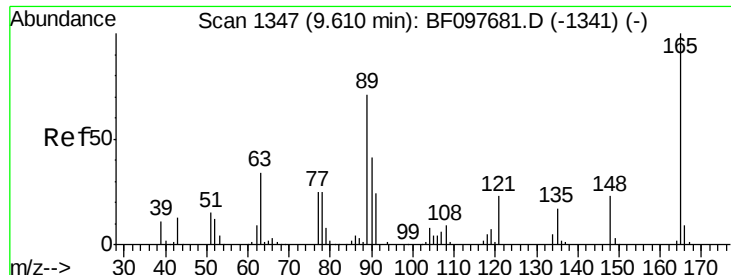
#44
 2-Fluorobiphenyl
 Concen: 14.73 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097702.D
 Acq: 15 Aug 2017 20:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	23.9	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

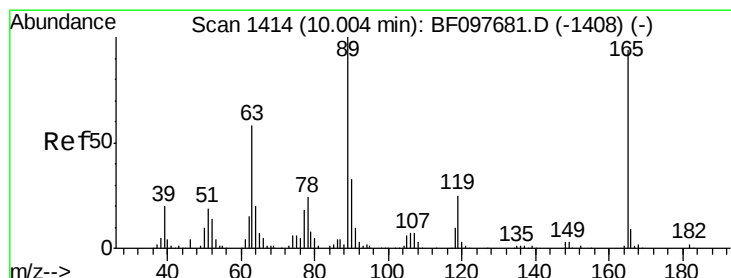
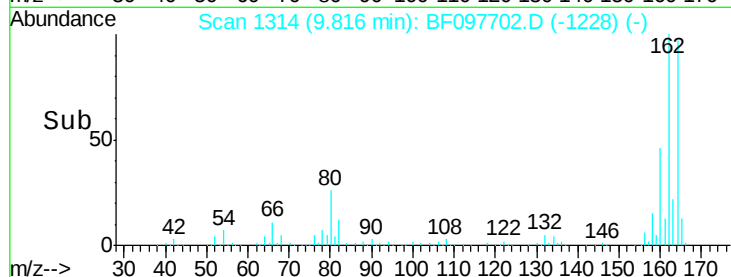
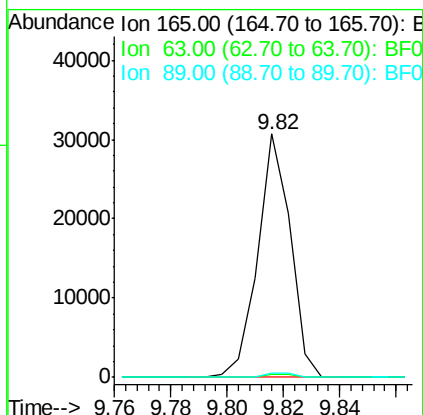
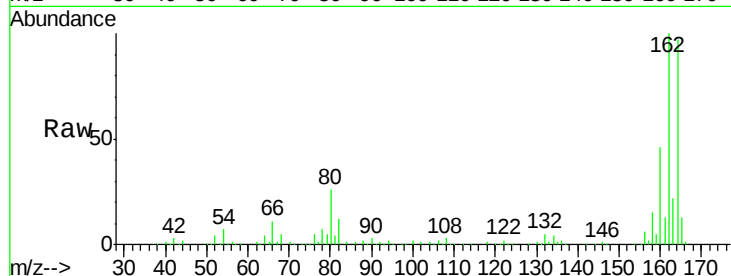




#50
 2,6-Dinitrotoluene
 Concen: 8.65 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.21 min
 Lab File: BF097702.D
 Acq: 15 Aug 2017 20:28

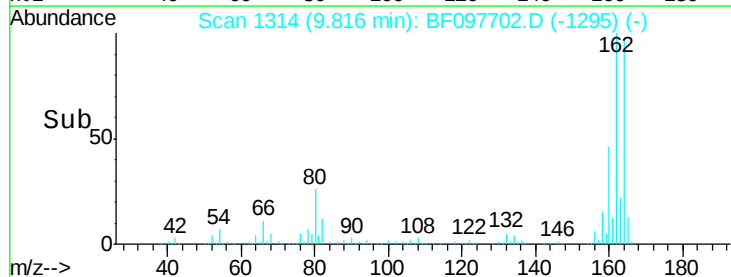
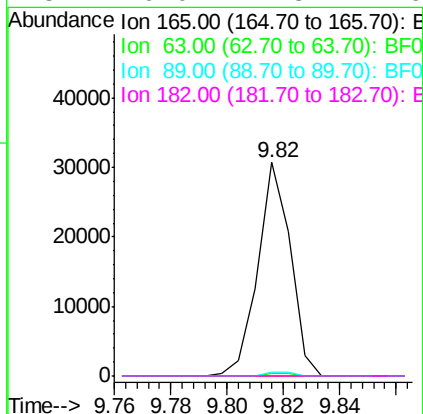
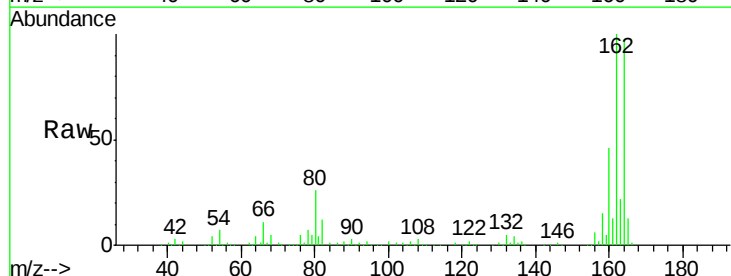
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 SU-02-081117

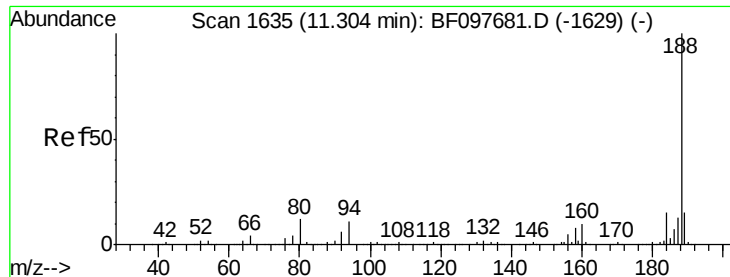
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.3	51.5#
89	2.0	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.89 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097702.D
 Acq: 15 Aug 2017 20:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#

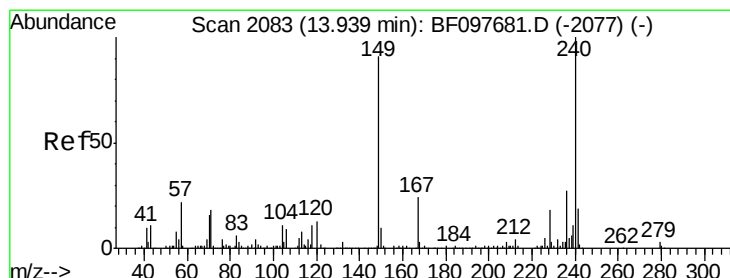
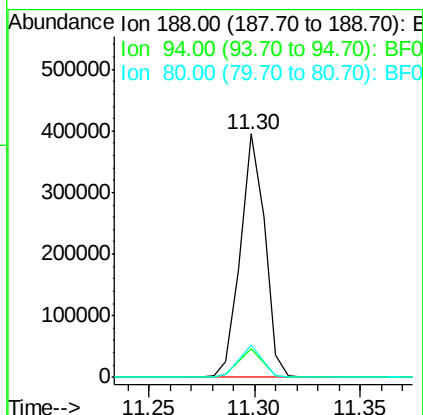
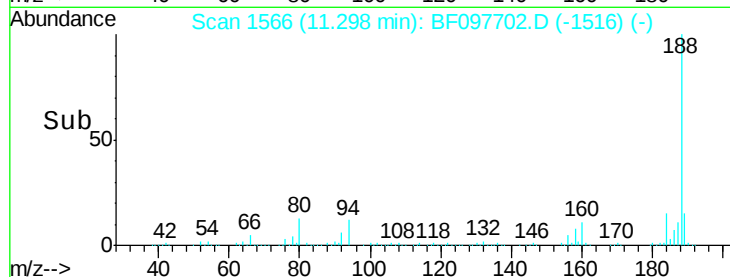
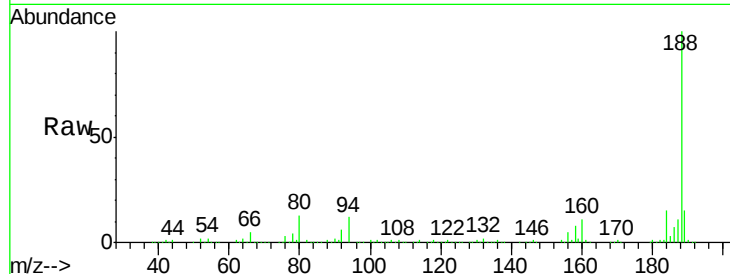




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097702.D
Acq: 15 Aug 2017 20:28

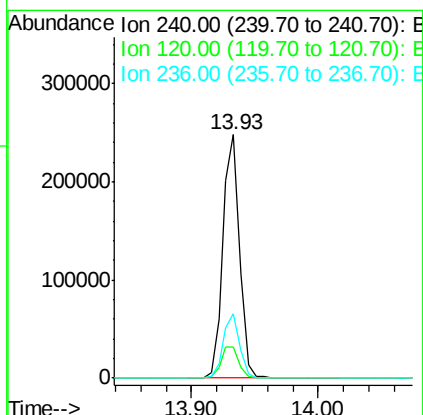
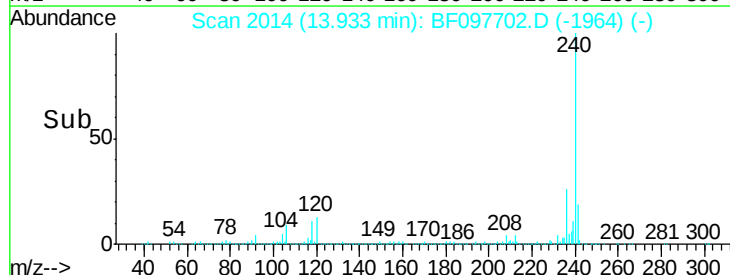
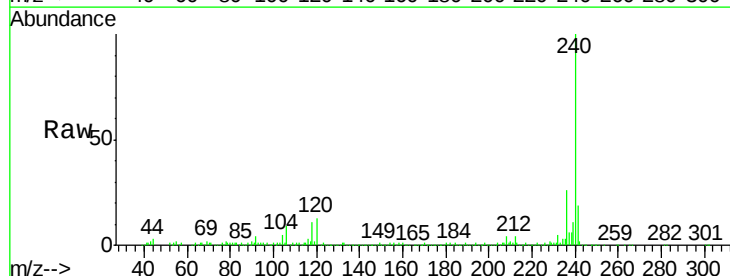
Instrument :
BNA_F
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SU-02-081117

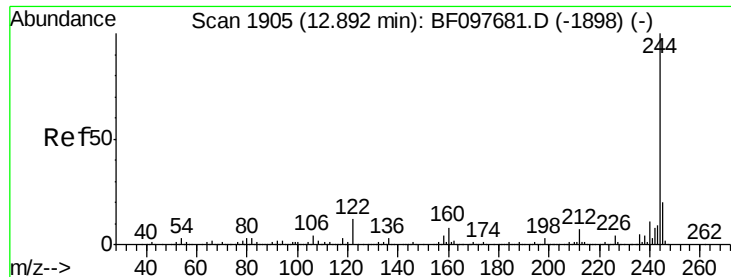
Tot Ion:188 Resp: 317001
Ion Ratio Lower Upper
188 100
94 11.8 9.4 14.2
80 13.4 10.2 15.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF097702.D
Acq: 15 Aug 2017 20:28

Tgt Ion:240 Resp: 228557
Ion Ratio Lower Upper
240 100
120 13.0 5.8 8.8#
236 26.2 20.5 30.7





#78

Terphenyl-d14

Concen: 10.30 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097702.D

Acq: 15 Aug 2017 20:28

Instrument :

BNA_F

ClientSampleId :

SU-02-081117

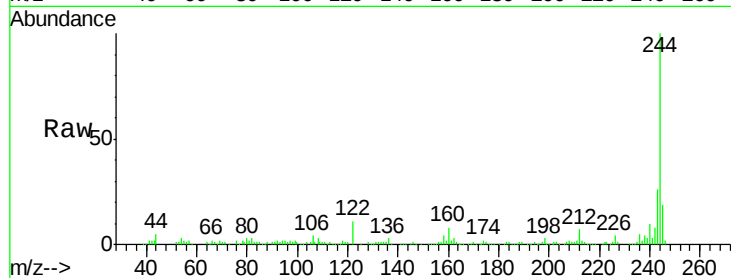
Tot Ion:244 Resp: 112938

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

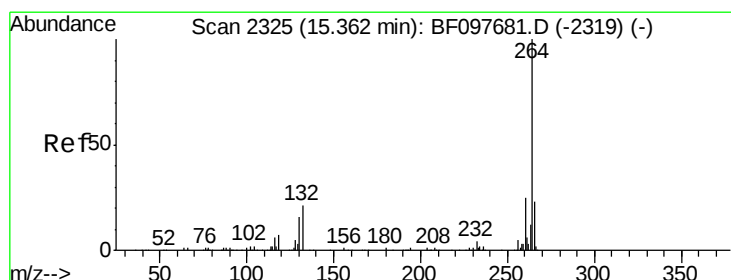
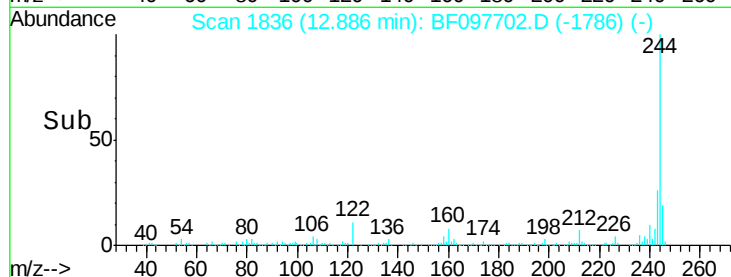
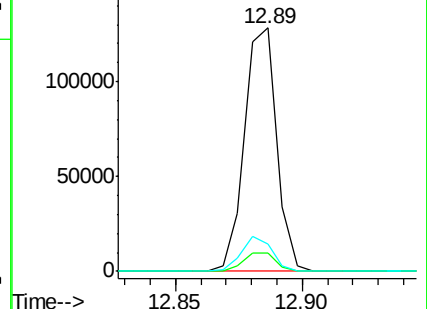
122 11.1 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF097702.D

Acq: 15 Aug 2017 20:28

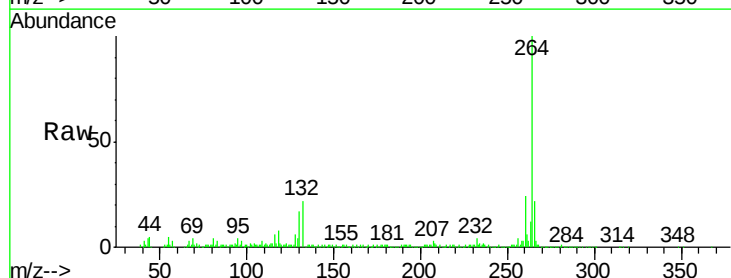
Tgt Ion:264 Resp: 229554

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

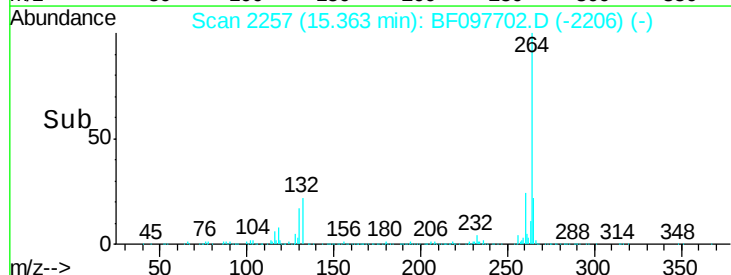
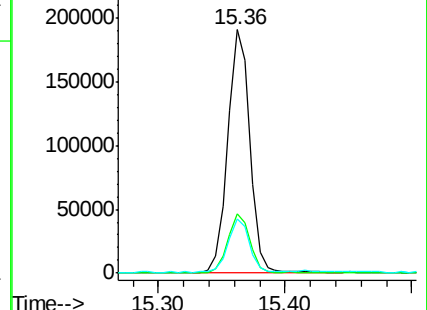
265 22.3 17.2 25.8

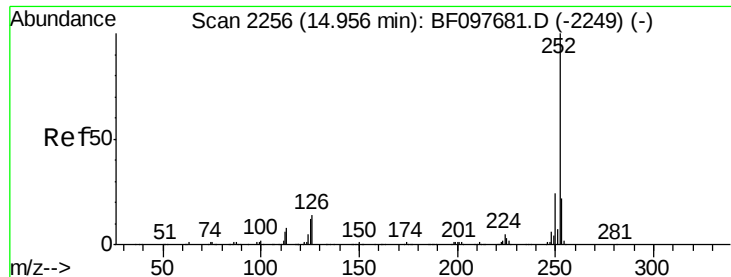


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

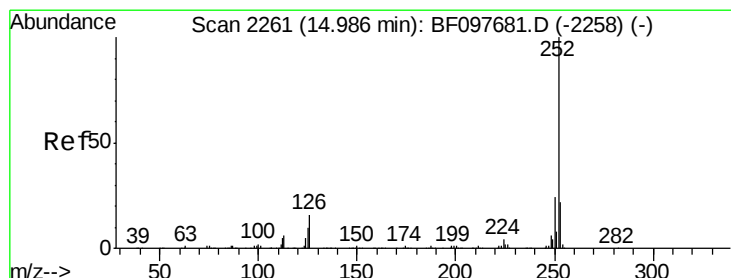
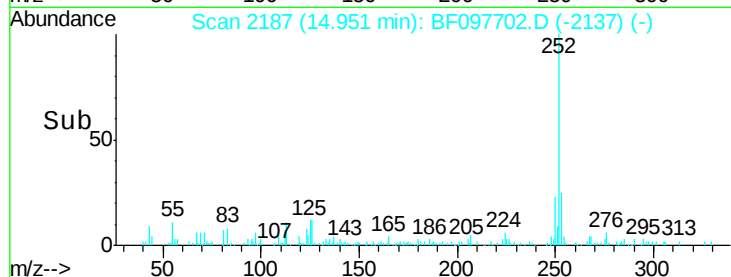
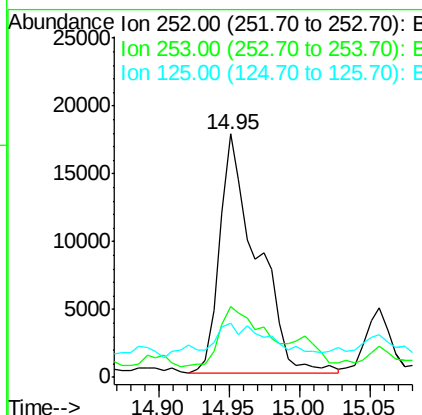
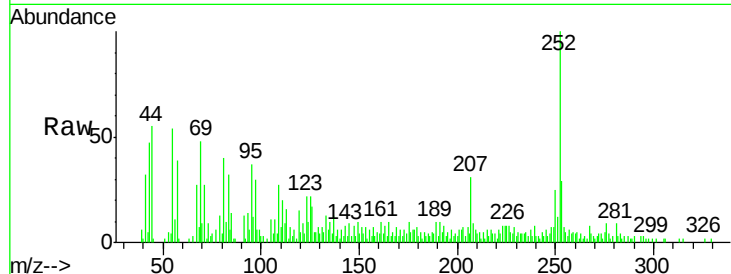




#87
Benzo(b)fluoranthene
Concen: 2.22 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097702.D
Acq: 15 Aug 2017 20:28

Instrument :
BNA_F
ClientSampleId :
SU-02-081117

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.1	27.1#
125	22.0	9.8	14.8#



#88
Benzo(k)fluoranthene
Concen: 2.37 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF097702.D
Acq: 15 Aug 2017 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.4	27.6#
125	22.0	13.1	19.7#

