

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097705.D
 Acq On : 15 Aug 2017 21:54
 Operator : SJ/JU
 Sample : I4700-04RE 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-080917-B

Quant Time: Aug 16 03:55:21 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

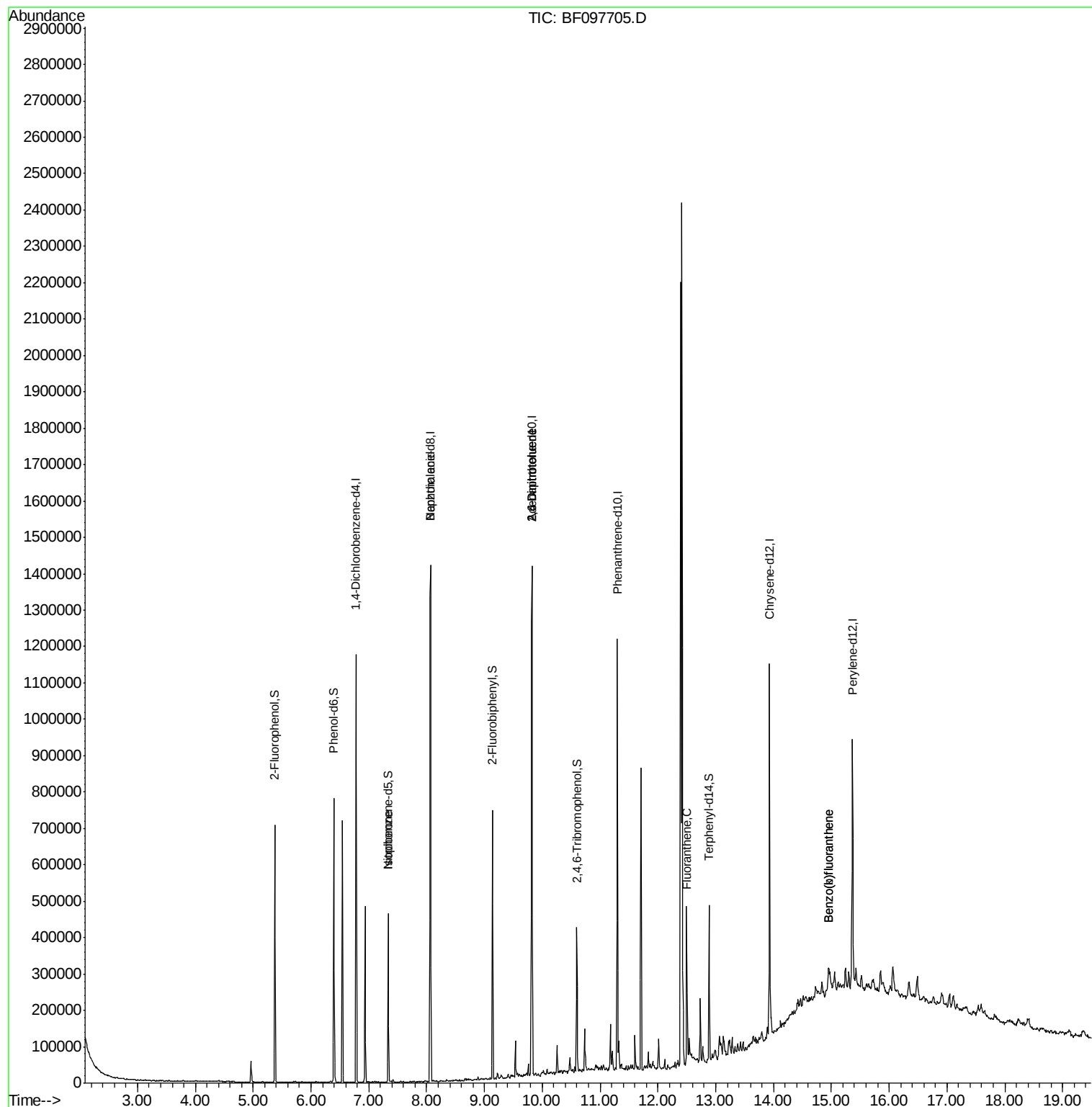
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	151965	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	594761	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	256462	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	418485	20.00	ng	0.00
75) Chrysene-d12	13.93	240	304226	20.00	ng	0.00
86) Perylene-d12	15.37	264	295530	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	163366	16.35	ng	-0.01
7) Phenol-d6	6.40	99	223073	16.43	ng	-0.01
23) Nitrobenzene-d5	7.34	82	122640	11.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	31015	13.94	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	188384	10.79	ng	0.00
78) Terphenyl-d14	12.89	244	109159	7.48	ng	0.00
Target Compounds						
25) Isophorone	7.34	82	122001	5.36	ng	# 67
32) Benzoic acid	8.07	122	113	6.42	ng	# 1
50) 2,6-Dinitrotoluene	9.82	165	32468	8.68	ng	# 34
56) 2,4-Dinitrotoluene	9.82	165	32468	6.91	ng	# 34
74) Fluoranthene	12.51	202	48363	2.08	ng	99
87) Benzo(b)fluoranthene	14.95	252	43895	2.36	ng	# 90
88) Benzo(k)fluoranthene	14.95	252	43895	2.51	ng	95

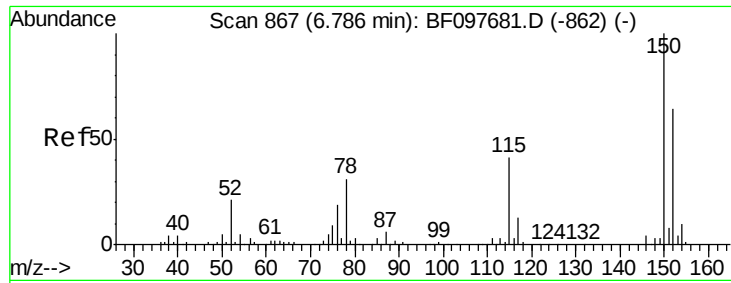
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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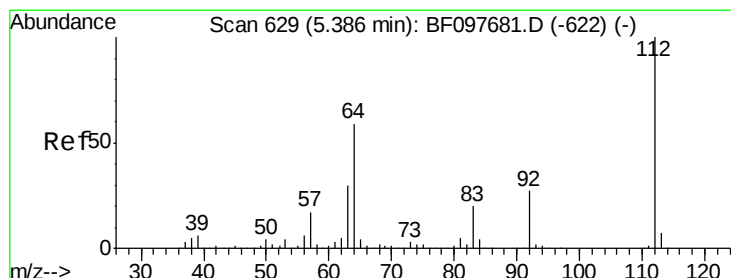
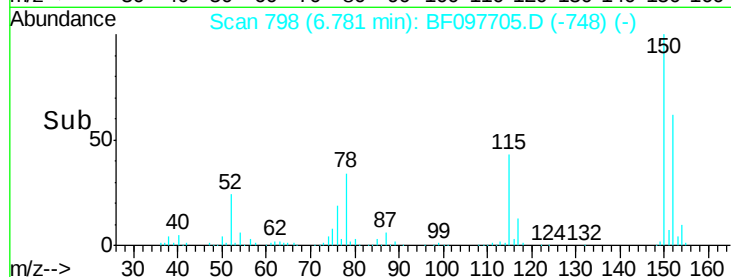
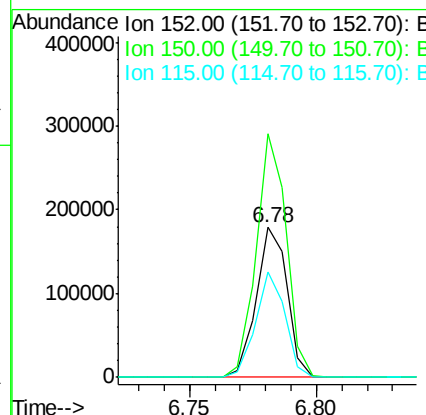
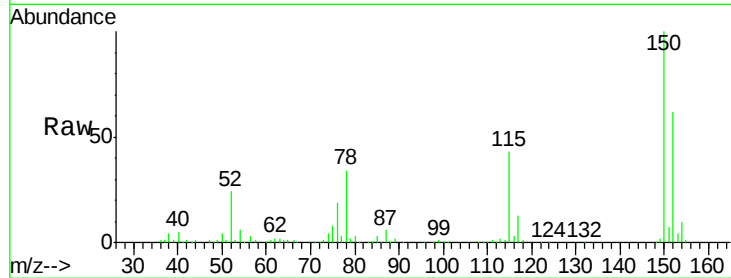


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097705.D
Acq: 15 Aug 2017 21:54

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-B

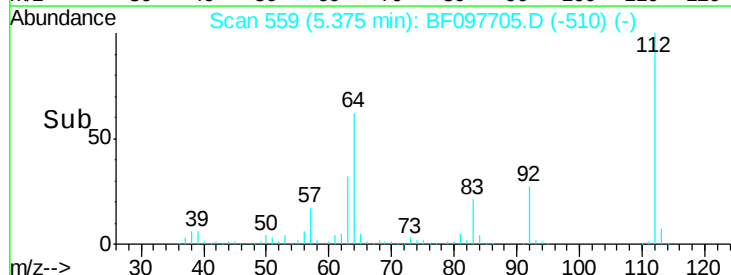
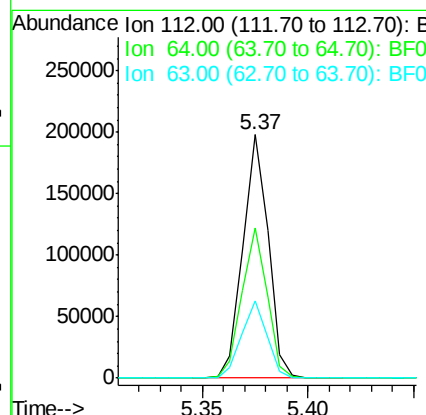
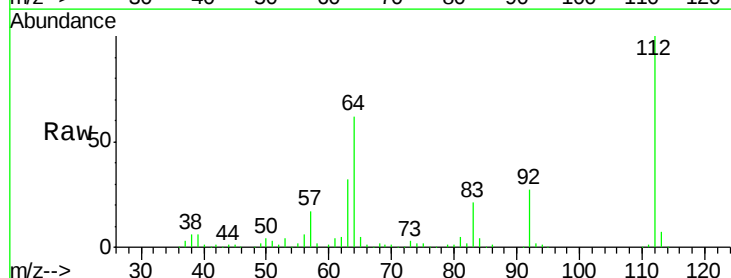
Tot Ion:152 Resp: 151965
Ion Ratio Lower Upper
152 100
150 162.4 126.2 189.2
115 70.1 52.2 78.2

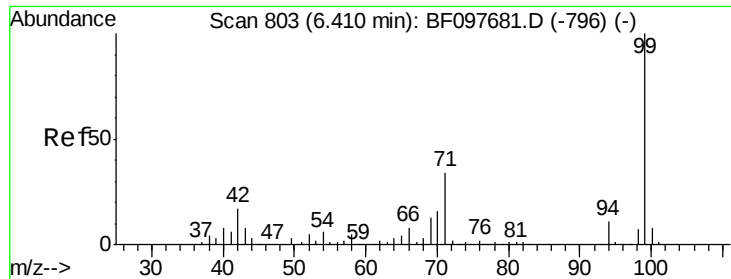


#5

2-Fluorophenol
Concen: 16.35 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097705.D
Acq: 15 Aug 2017 21:54

Tgt Ion:112 Resp: 163366
Ion Ratio Lower Upper
112 100
64 61.6 46.0 69.0
63 31.6 23.4 35.0





#7

Phenol-d6

Concen: 16.43 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097705.D

Acq: 15 Aug 2017 21:54

Instrument :

BNA_F

ClientSampleId :

NB-01-080917-B

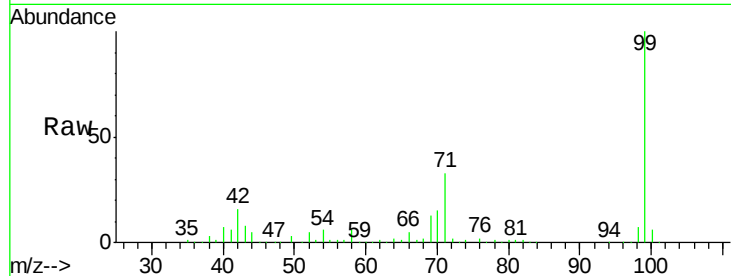
Tot Ion: 99 Resp: 223073

Ion Ratio Lower Upper

99 100

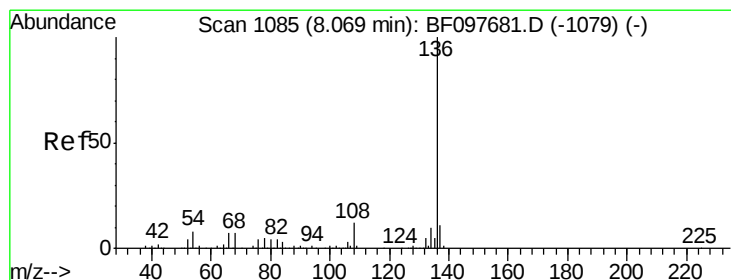
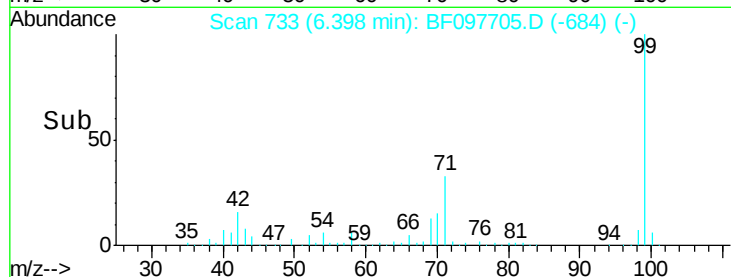
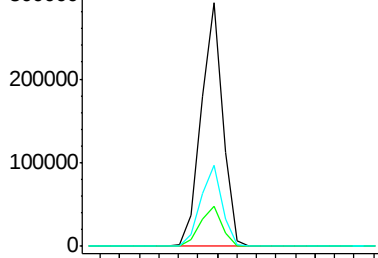
42 16.4 13.5 20.3

71 33.4 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

6.40



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF097705.D

Acq: 15 Aug 2017 21:54

Tgt Ion: 136 Resp: 594761

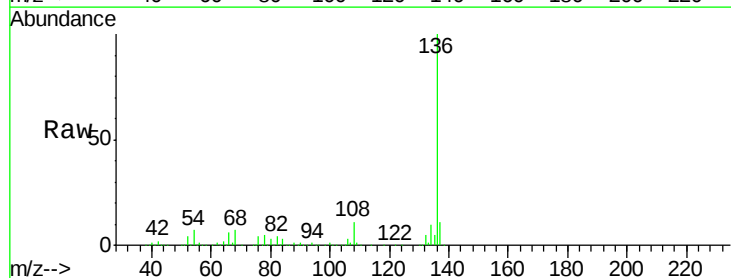
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

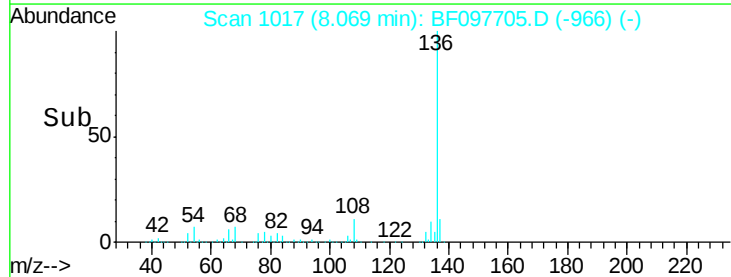
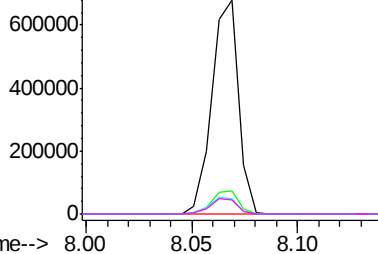
54 7.3 4.9 7.3

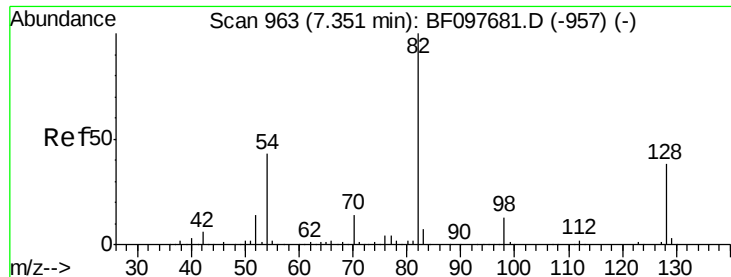
68 6.8 4.1 6.1#



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

8.07

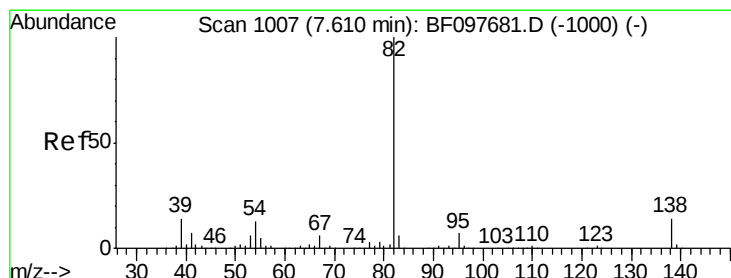
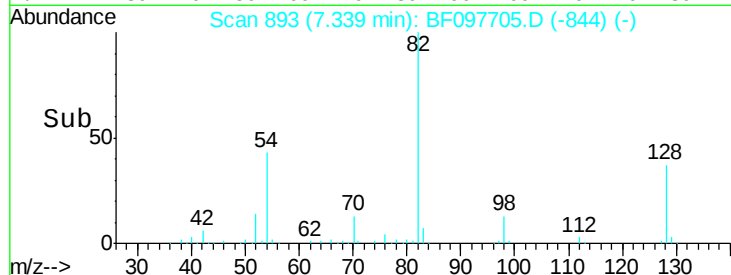
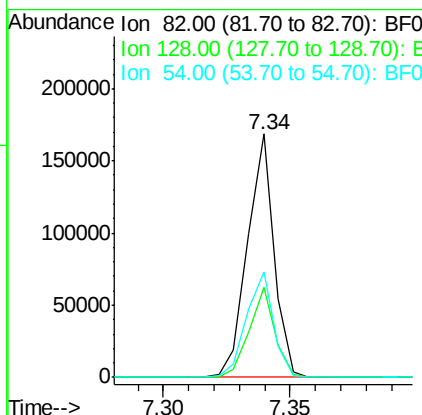
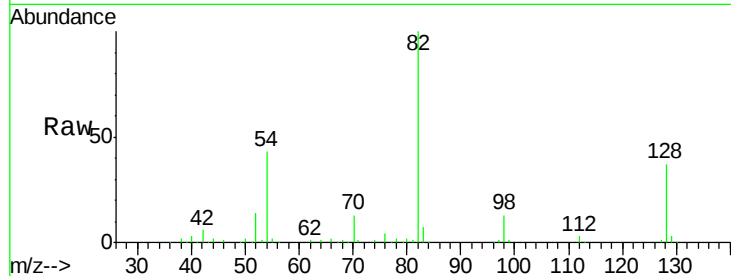




#23
 Nitrobenzene-d5
 Concen: 11.20 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF097705.D
 Acq: 15 Aug 2017 21:54

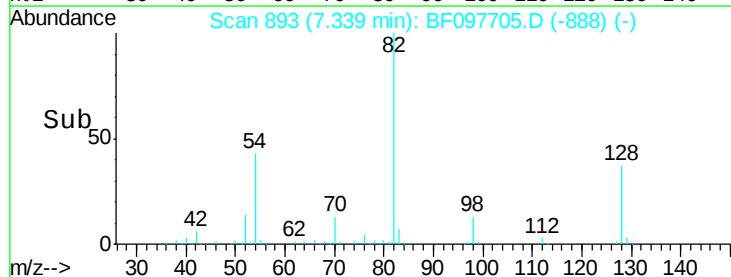
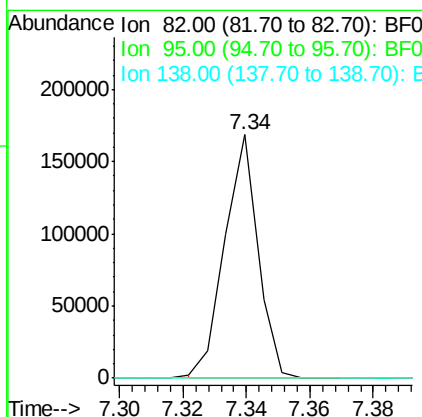
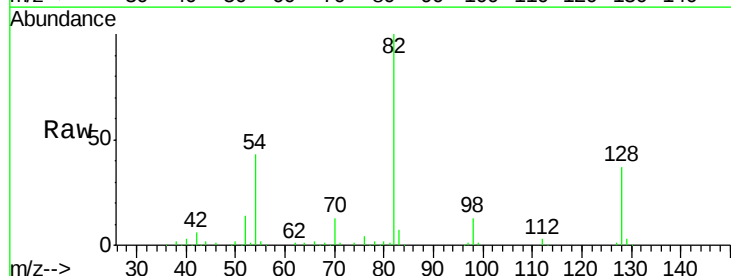
Instrument :
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 ClientSampleId :
 NB-01-080917-B

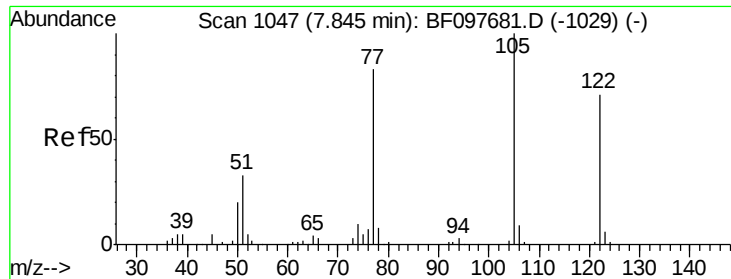
Tot Ion	82	Resp	122640
Ion Ratio	Lower	Upper	
82	100		
128	36.9	34.0	51.0
54	43.2	42.2	63.2



#25
 Isophorone
 Concen: 5.36 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.27 min
 Lab File: BF097705.D
 Acq: 15 Aug 2017 21:54

Tgt Ion	82	Resp	122001
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

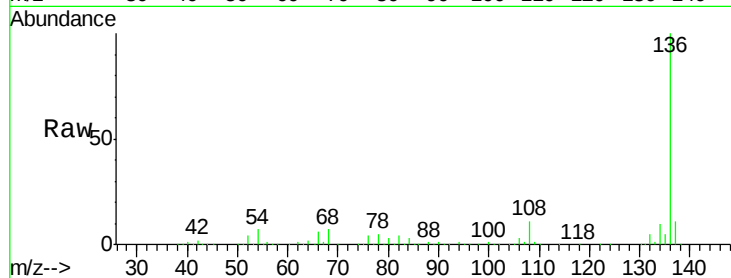




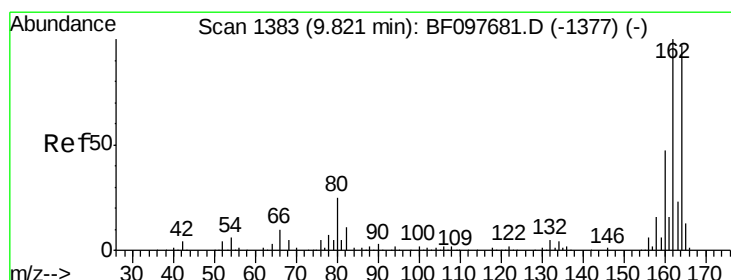
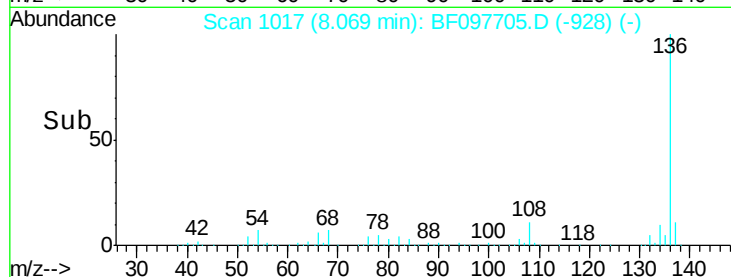
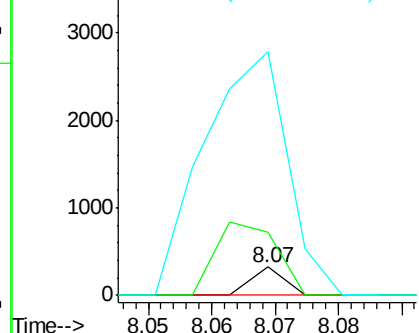
#32
Benzoic acid
Concen: 6.42 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.22 min
Lab File: BF097705.D
Acq: 15 Aug 2017 21:54

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-B

Tot Ion:122 Resp: 113
Ion Ratio Lower Upper
122 100
105 224.0 103.3 143.3#
77 866.7 73.7 113.7#

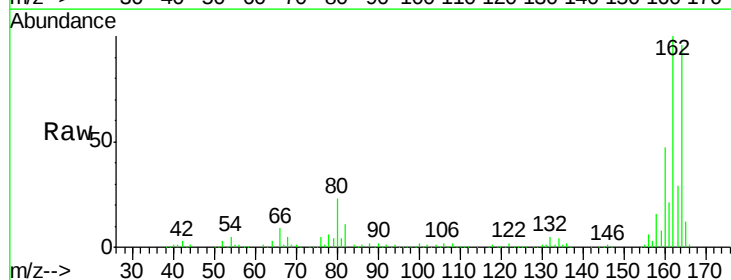


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

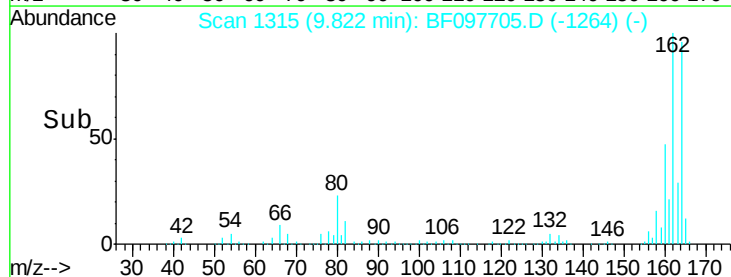
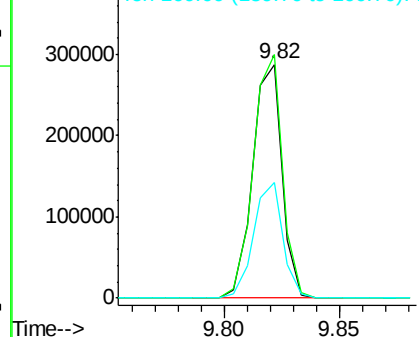


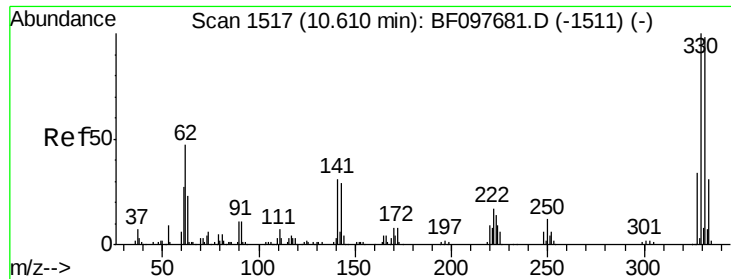
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF097705.D
Acq: 15 Aug 2017 21:54

Tgt Ion:164 Resp: 256462
Ion Ratio Lower Upper
164 100
162 104.3 82.6 123.8
160 49.5 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

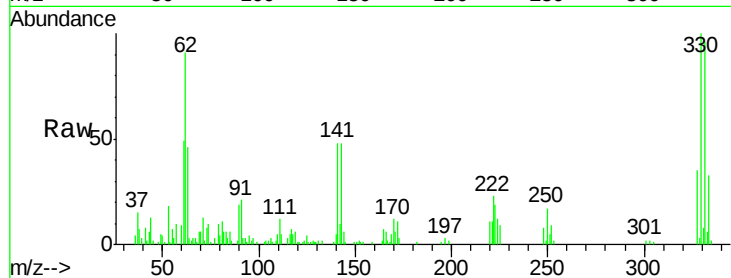




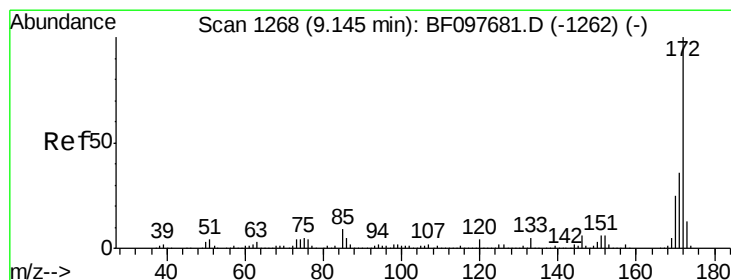
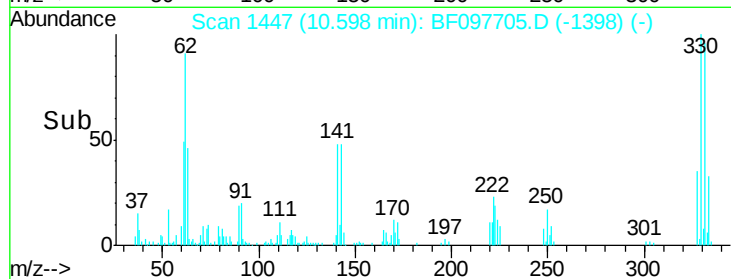
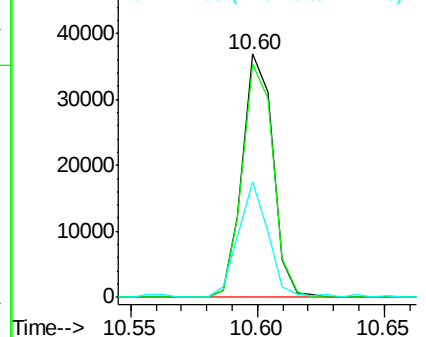
#41
 2,4,6-Tribromophenol
 Concen: 13.94 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097705.D
 Acq: 15 Aug 2017 21:54

Instrument :
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 NB-01-080917-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	47.0	31.4	47.2

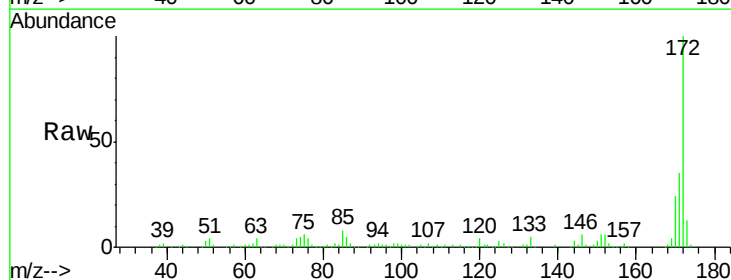


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

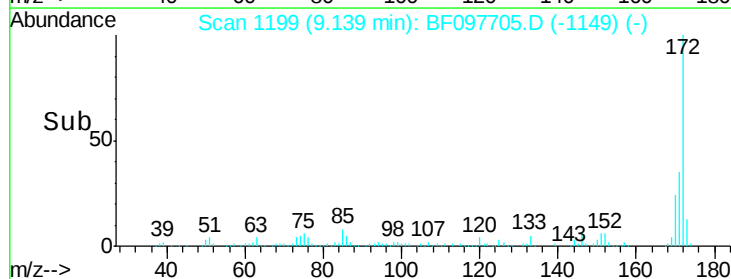
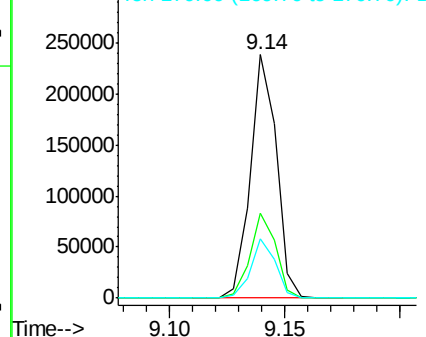


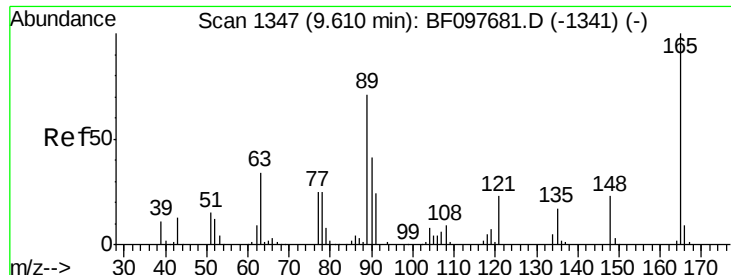
#44
 2-Fluorobiphenyl
 Concen: 10.79 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097705.D
 Acq: 15 Aug 2017 21:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	24.4	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

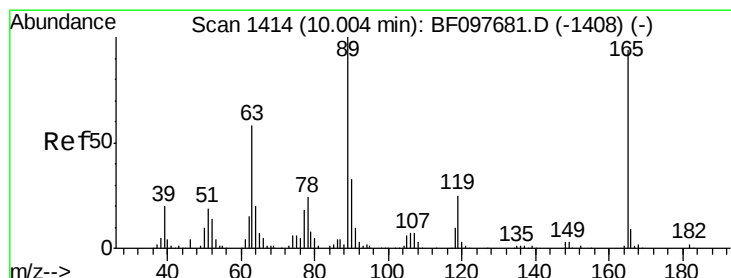
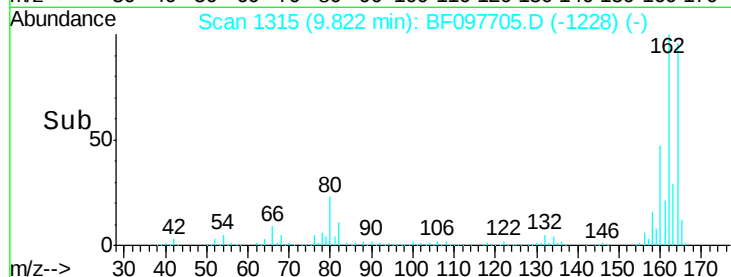
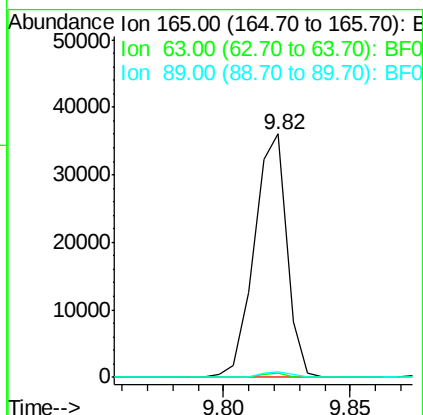
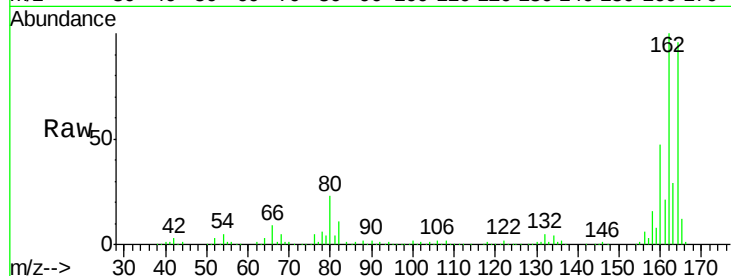




#50
 2,6-Dinitrotoluene
 Concen: 8.68 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.21 min
 Lab File: BF097705.D
 Acq: 15 Aug 2017 21:54

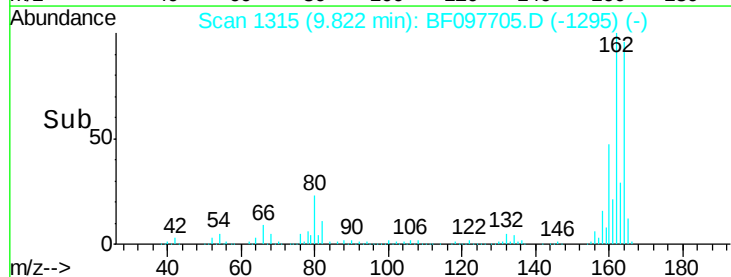
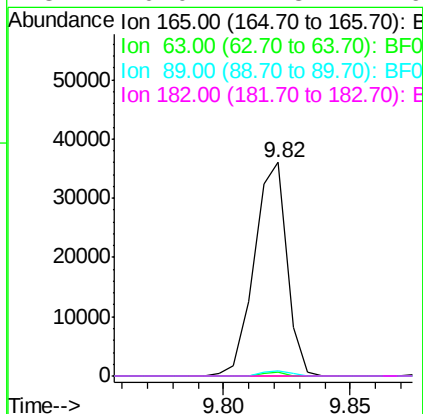
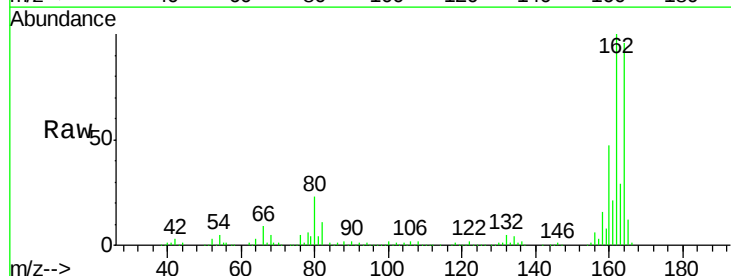
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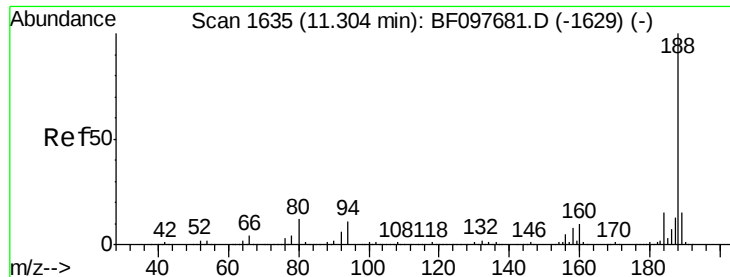
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	2.4	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.91 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.18 min
 Lab File: BF097705.D
 Acq: 15 Aug 2017 21:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	2.4	46.4	69.6#
182	0.0	1.8	2.6#

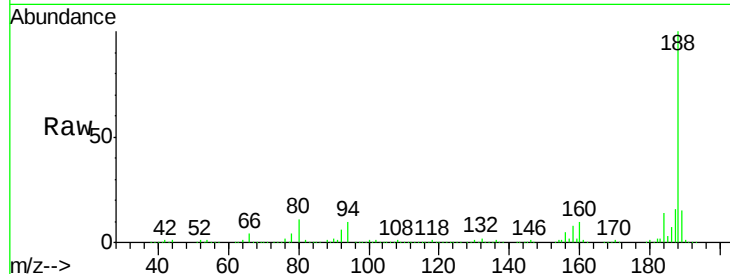




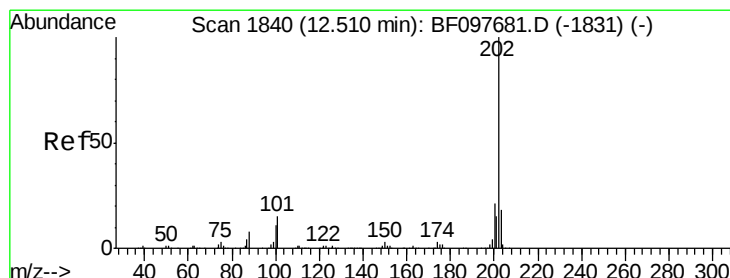
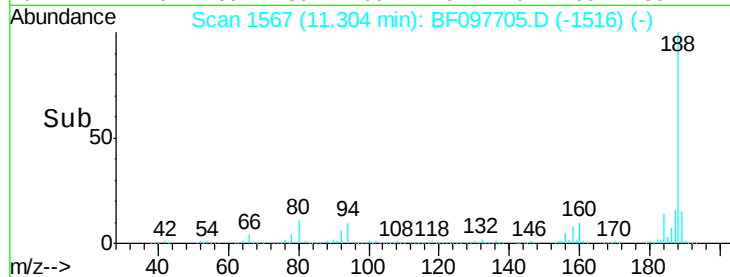
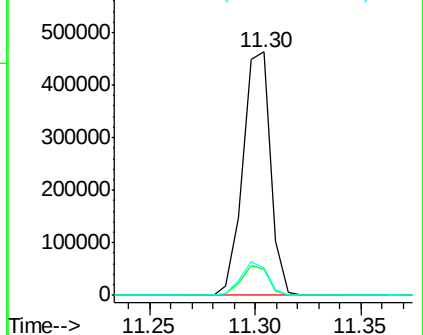
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097705.D
Acq: 15 Aug 2017 21:54

Instrument :
BNA_F
ClientSampleId :
NB-01-080917-B

Tot Ion:188 Resp: 418485
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 11.3 10.2 15.2

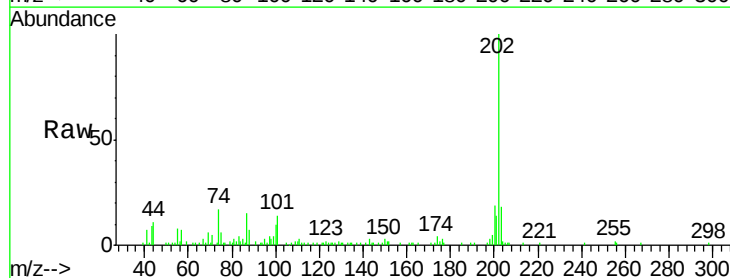


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

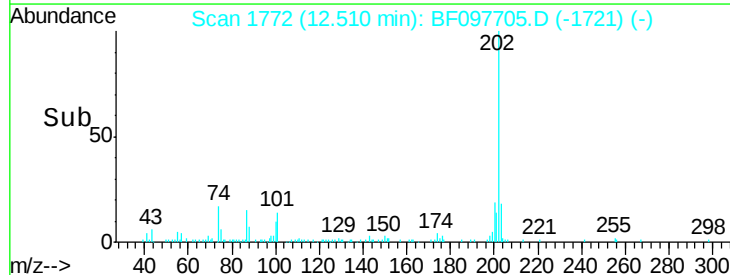
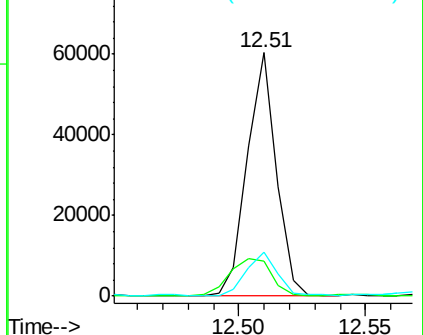


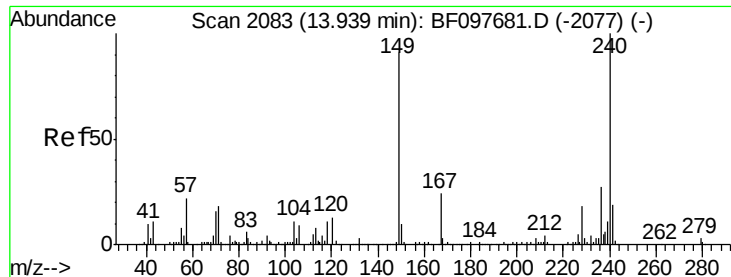
#74
Fluoranthene
Concen: 2.08 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF097705.D
Acq: 15 Aug 2017 21:54

Tgt Ion:202 Resp: 48363
Ion Ratio Lower Upper
202 100
101 14.5 0.0 33.2
203 18.1 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# 2014

Delta R.T. -0.01 min

Lab File: BF097705.D

Acq: 15 Aug 2017 21:54

Instrument :

BNA_F

ClientSampleId :

NB-01-080917-B

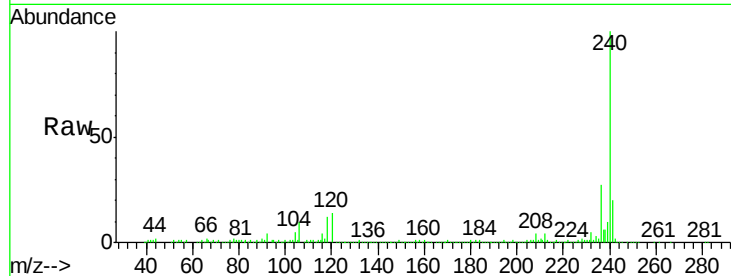
Tot Ion:240 Resp: 304226

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

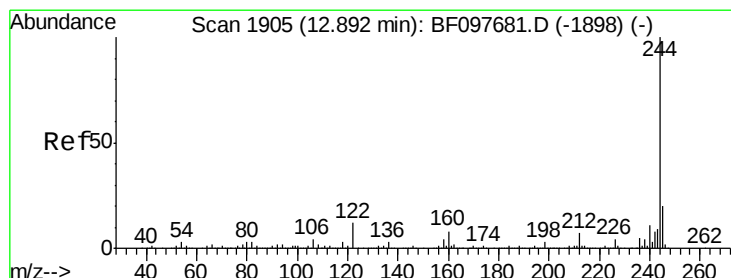
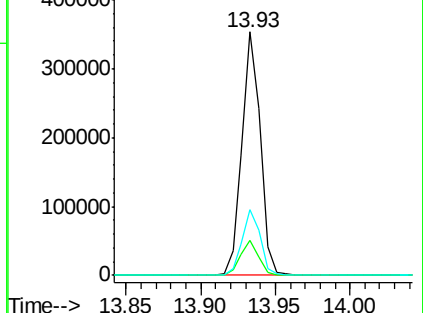
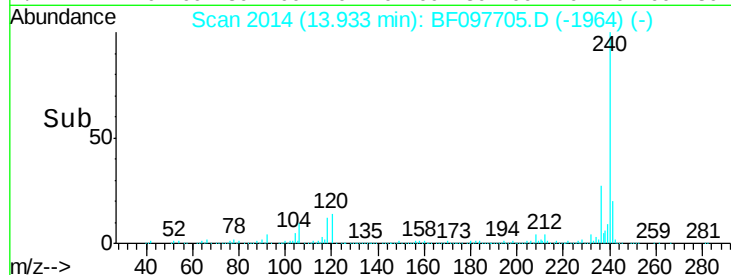
236 26.8 20.5 30.7



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



#78

Terphenyl-d14

Concen: 7.48 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097705.D

Acq: 15 Aug 2017 21:54

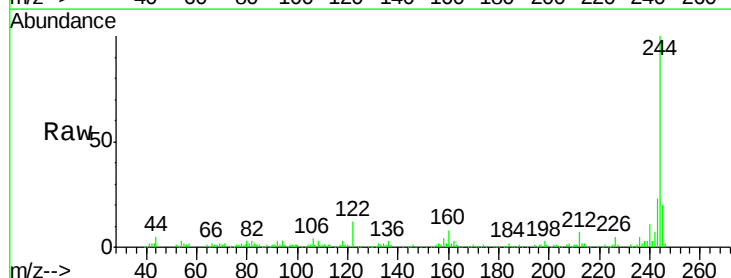
Tgt Ion:244 Resp: 109159

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

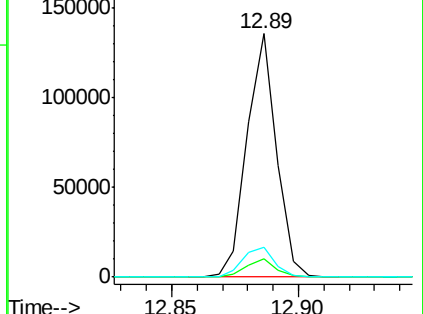
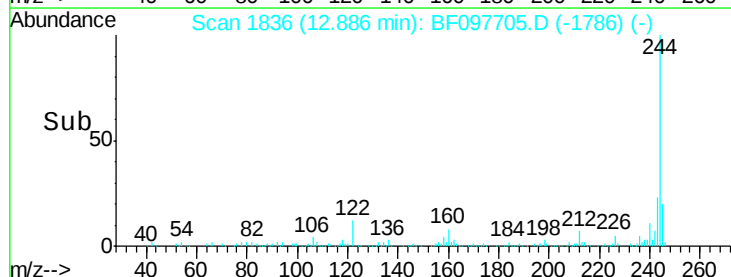
122 12.4 10.3 15.5

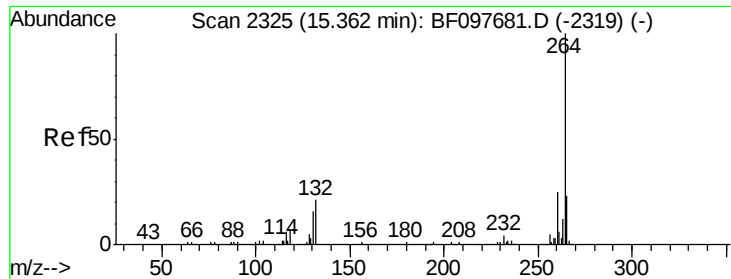


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

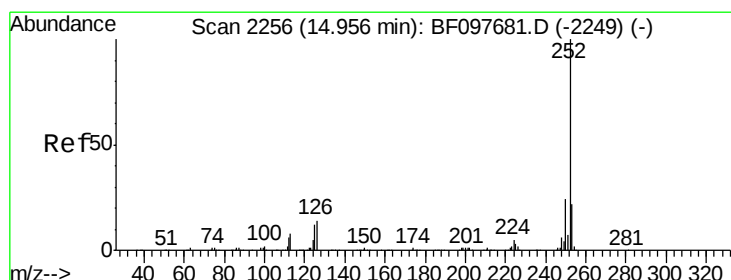
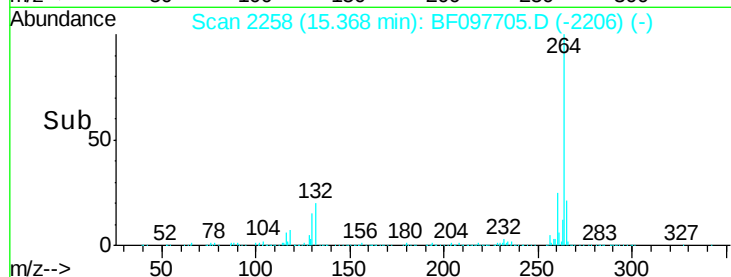
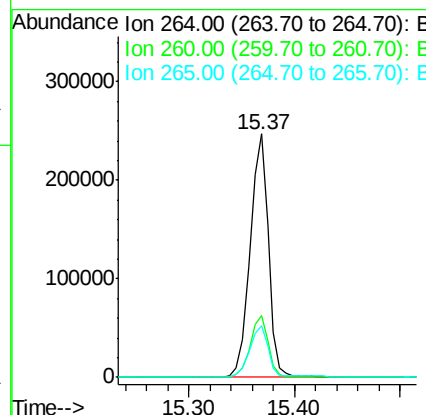
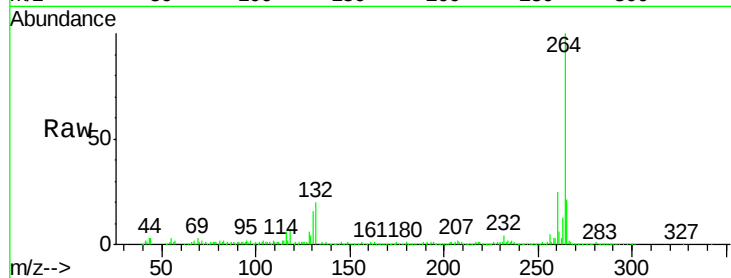




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097705.D
Acq: 15 Aug 2017 21:54

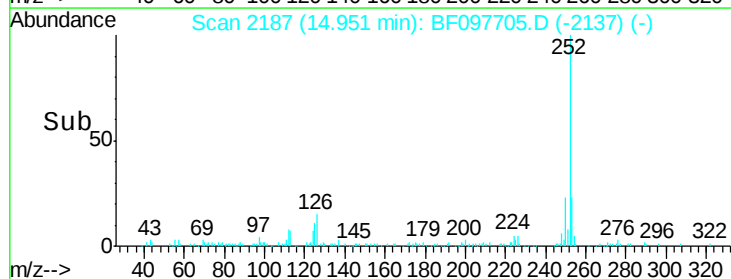
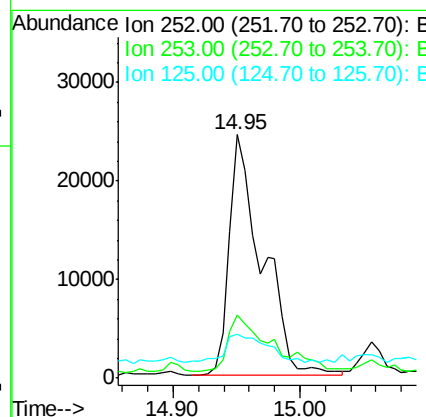
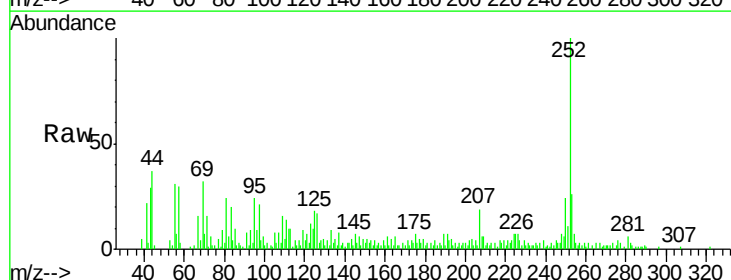
Instrument :
BNA_F
ClientSampleId :
NB-01-080917-B

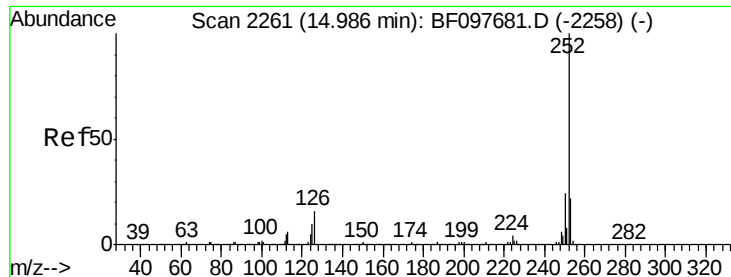
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	21.3	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.36 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097705.D
Acq: 15 Aug 2017 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	18.1	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 2.51 ng

RT: 14.95 min Scan# 2187

Delta R.T. -0.04 min

Lab File: BF097705.D

Acq: 15 Aug 2017 21:54

Instrument :

BNA_F

ClientSampleId :

NB-01-080917-B

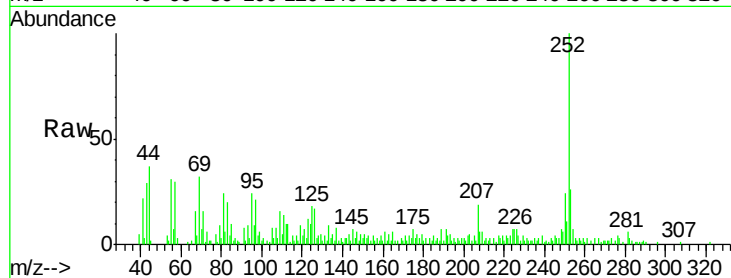
Tot Ion: 252 Resp: 43895

Ion Ratio Lower Upper

252 100

253 26.0 18.4 27.6

125 18.1 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

