

Data File : BF096914.D
Acq On : 20 Jul 2017 19:12
Operator : SJ/JU
Sample : I4308-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-071917

Quant Time: Jul 21 03:27:04 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	105205	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	484932	20.00	ng	-0.04
38) Acenaphthene-d10	9.60	164	182336	20.00	ng	-0.04
63) Phenanthrene-d10	11.07	188	312705	20.00	ng	-0.03
75) Chrysene-d12	13.70	240	192817	20.00	ng	-0.04
86) Perylene-d12	15.07	264	190161	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	641409	91.67	ng	-0.02
7) Phenol-d6	6.23	99	771239	91.85	ng	-0.02
23) Nitrobenzene-d5	7.13	82	475066	60.68	ng	-0.04
41) 2,4,6-Tribromophenol	10.39	330	158995	102.16	ng	-0.04
44) 2-Fluorobiphenyl	8.93	172	814709	70.59	ng	-0.03
78) Terphenyl-d14	12.66	244	498832	44.87	ng	-0.03
Target Compounds						
10) Phenol	6.23	94	19248	2.03	ng	# 57
19) n-Nitroso-di-n-propylamine	7.13	70	62292	12.31	ng	# 86
25) Isophorone	7.13	82	456002	31.31	ng	# 67
49) Dimethylphthalate	9.33	163	176163	12.83	ng	98
56) 2,4-Dinitrotoluene	9.60	165	23505	6.15	ng	# 33
66) 4-Bromophenyl-phenylether	10.39	248	10434	3.27	ng	# 1
74) Fluoranthene	12.28	202	50342	3.09	ng	97
77) Pyrene	12.50	202	47697	2.73	ng	99
80) Benzo(a)anthracene	13.72	228	28743	2.39	ng	96
82) Chrysene	13.72	228	28743	2.43	ng	98
85) Indeno(1,2,3-cd)pyrene	16.49	276	2133	3.52	ng	93
87) Benzo(b)fluoranthene	14.70	252	53902	4.70	ng	# 94
88) Benzo(k)fluoranthene	14.70	252	53902	4.96	ng	98
89) Benzo(a)pyrene	15.01	252	29492	2.80	ng	# 90

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

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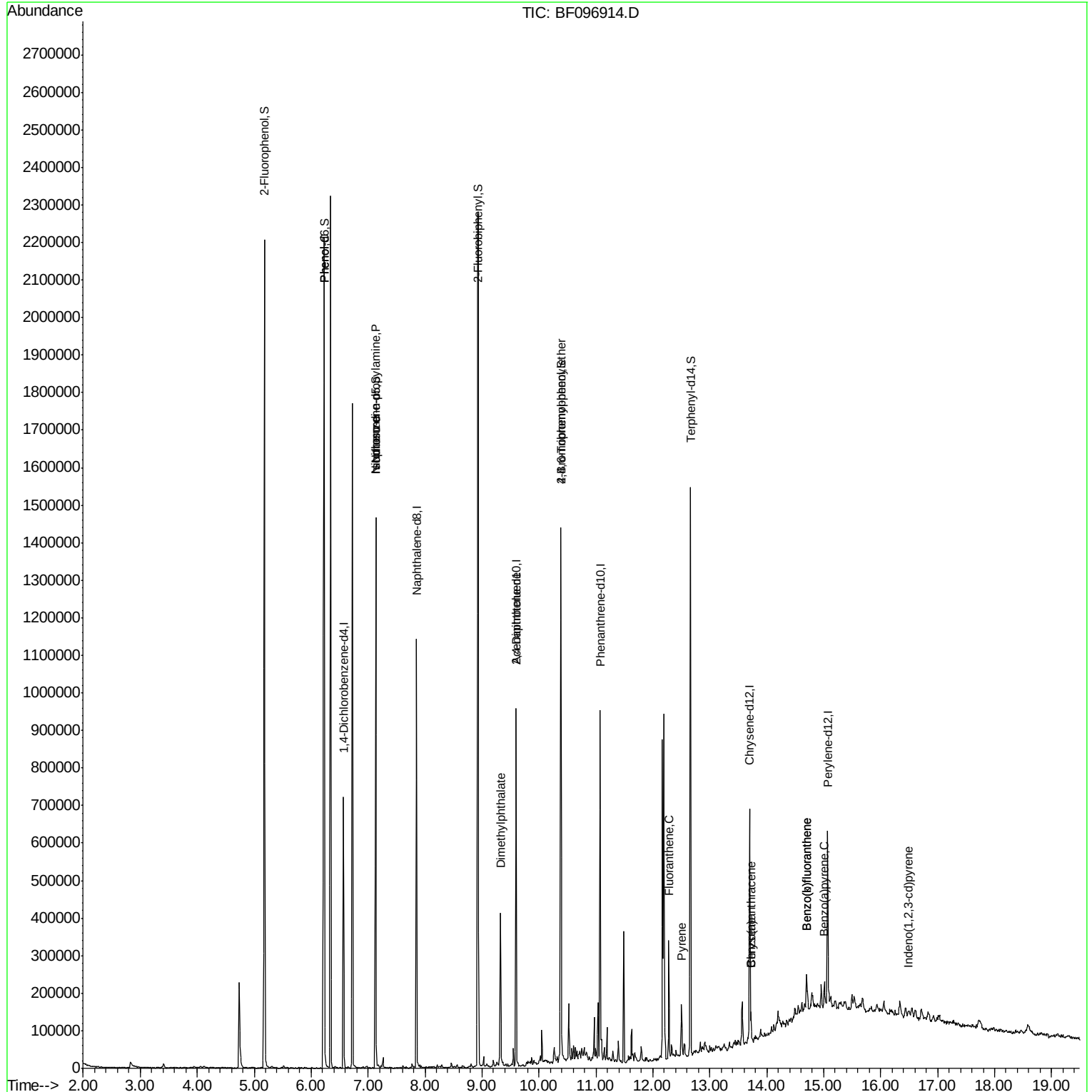
Quant Time: Jul 21 03:27:04 2017

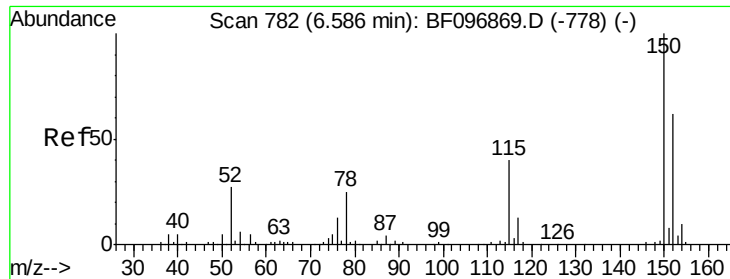
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 18 13:33:22 2017

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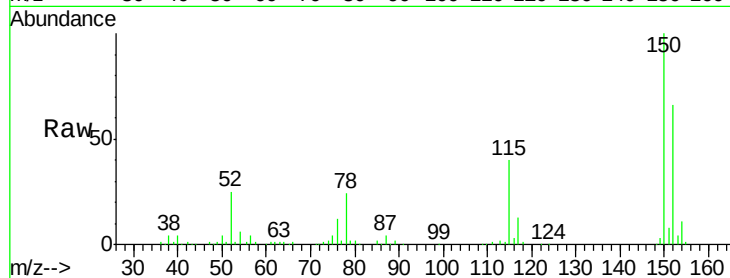




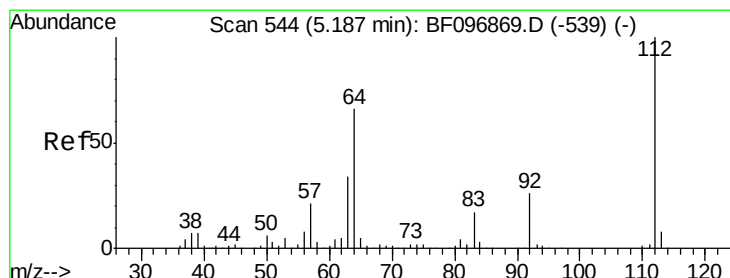
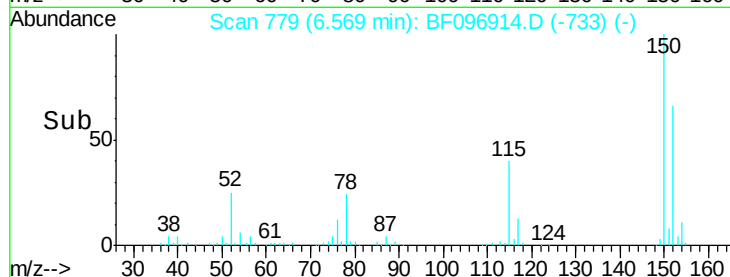
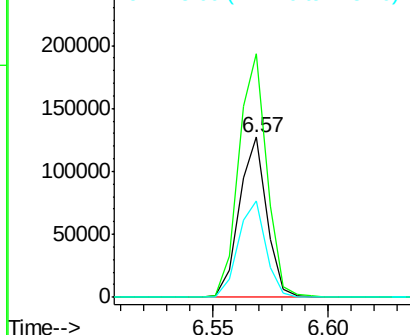
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.57 min Scan# 779
 Delta R.T. -0.03 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-071917

Tgt Ion:152 Resp: 105205
 Ion Ratio Lower Upper
 152 100
 150 152.1 126.2 189.2
 115 60.3 52.2 78.2

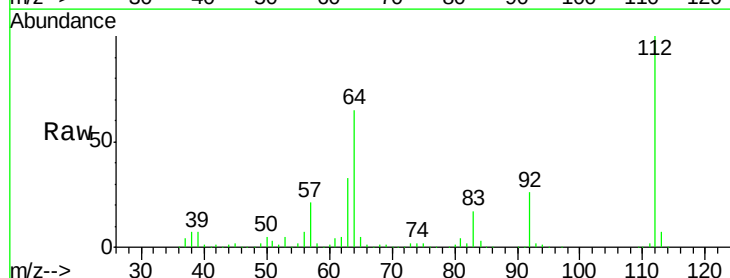


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

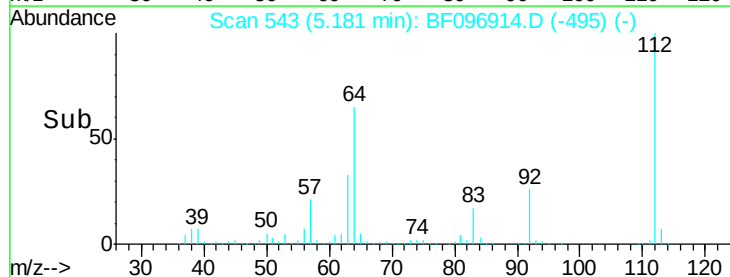
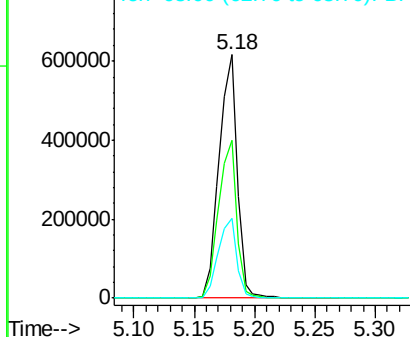


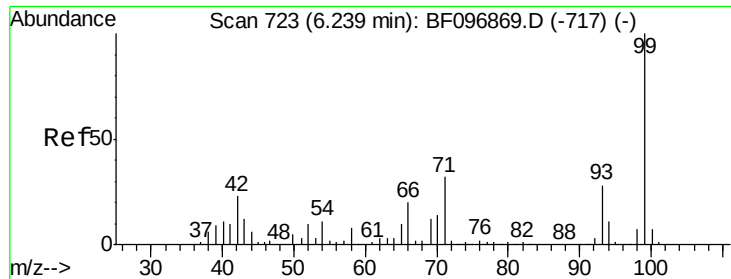
#5
 2-Fluorophenol
 Concen: 91.67 ng
 RT: 5.18 min Scan# 543
 Delta R.T. -0.02 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

Tgt Ion:112 Resp: 641409
 Ion Ratio Lower Upper
 112 100
 64 64.7 46.0 69.0
 63 32.7 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: 91.85 ng

RT: 6.23 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096914.D

Acq: 20 Jul 2017 19:12

Instrument :

BNA_F

ClientSampleId :

NB-08-071917

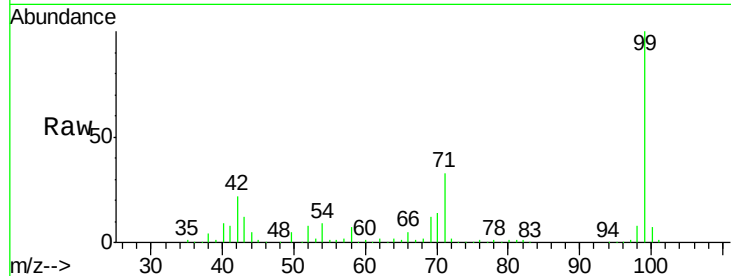
Tgt Ion: 99 Resp: 771239

Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

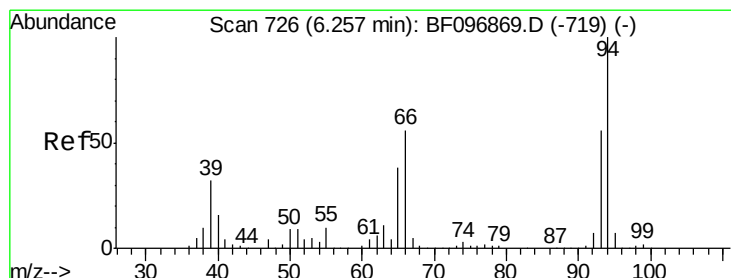
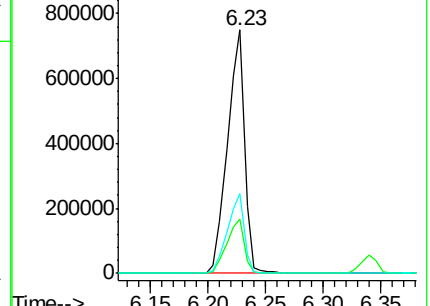
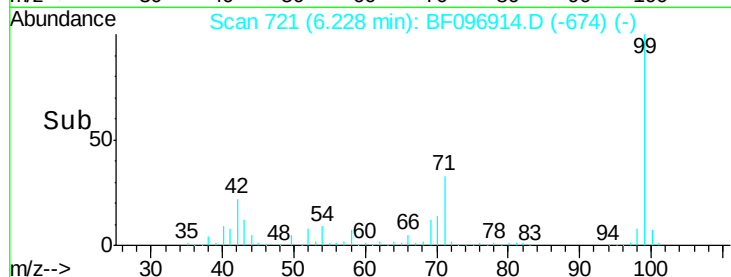
71 32.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.03 ng

RT: 6.23 min Scan# 722

Delta R.T. -0.04 min

Lab File: BF096914.D

Acq: 20 Jul 2017 19:12

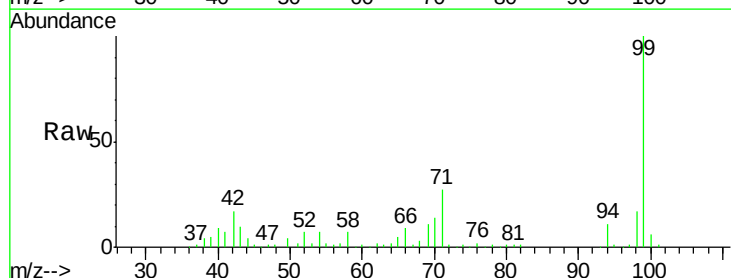
Tgt Ion: 94 Resp: 19248

Ion Ratio Lower Upper

94 100

65 43.6 9.9 49.9

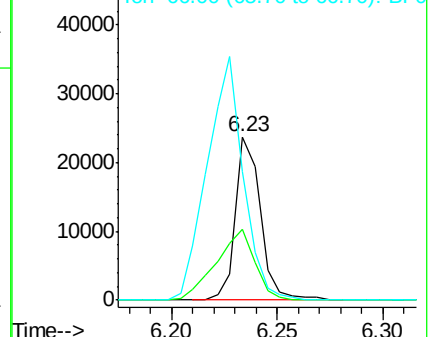
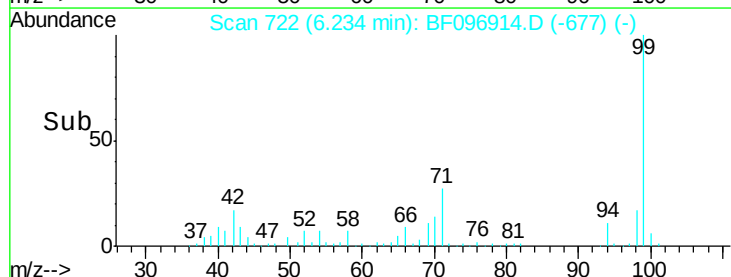
66 78.6 23.1 63.1#

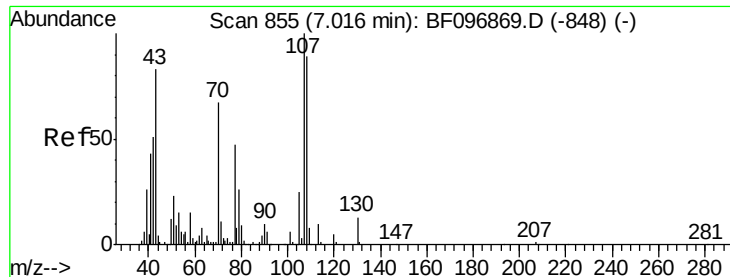


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

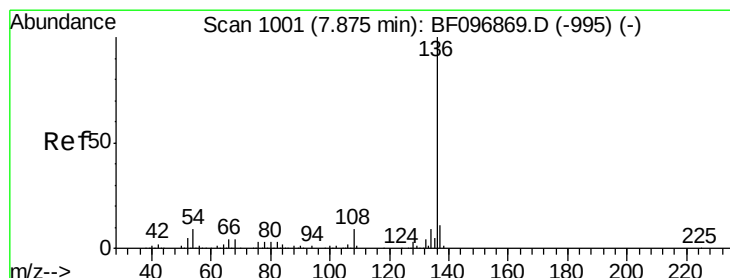
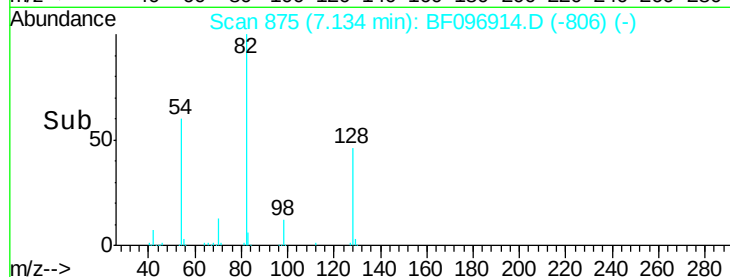
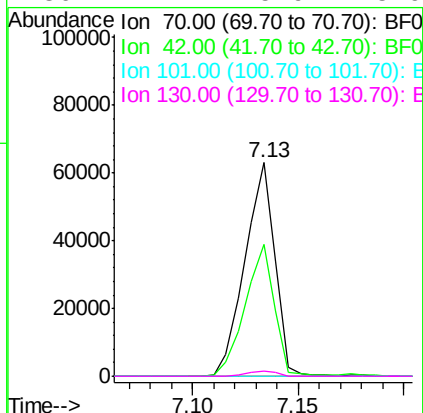
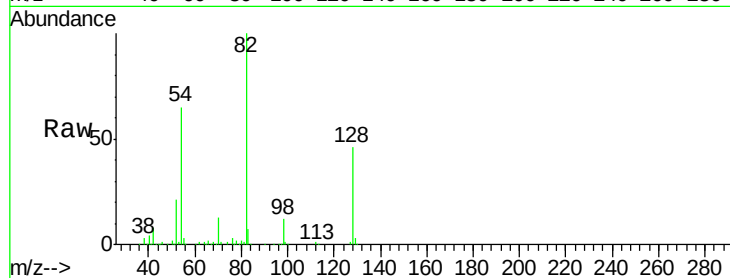




#19
n-Nitroso-di-n-propylamine
Concen: 12.31 ng
RT: 7.13 min Scan# 875
Delta R.T. 0.11 min
Lab File: BF096914.D
Acq: 20 Jul 2017 19:12

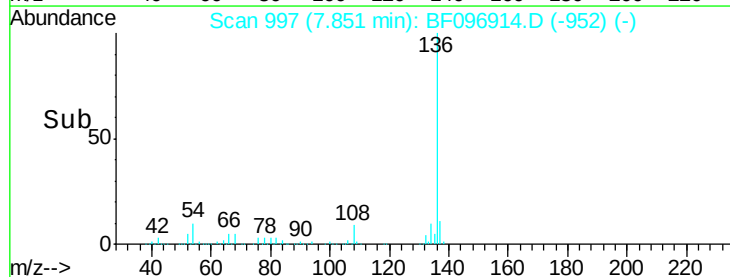
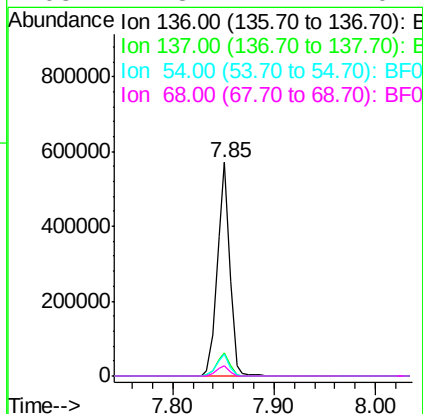
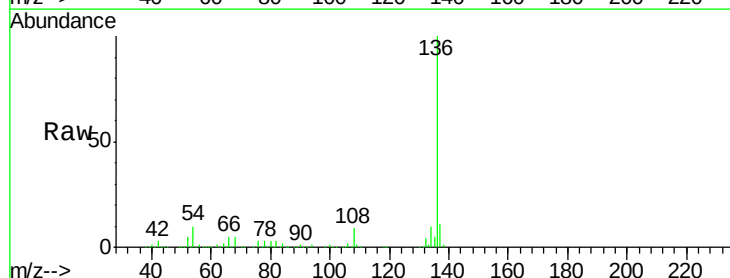
Instrument :
BNA_F
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NB-08-071917

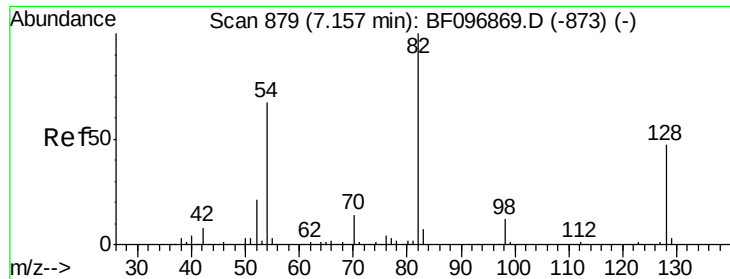
Tgt Ion: 70 Resp: 62292
Ion Ratio Lower Upper
70 100
42 61.9 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 997
Delta R.T. -0.04 min
Lab File: BF096914.D
Acq: 20 Jul 2017 19:12

Tgt Ion: 136 Resp: 484932
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.4 4.9 7.3#
68 4.8 4.1 6.1

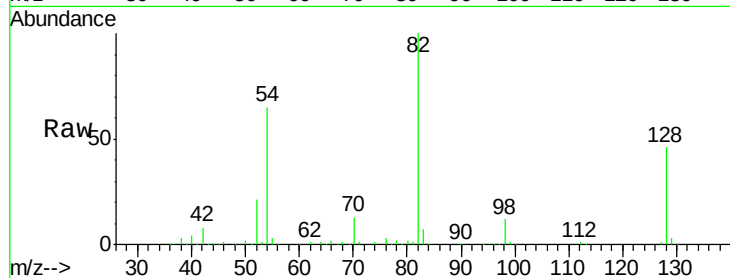




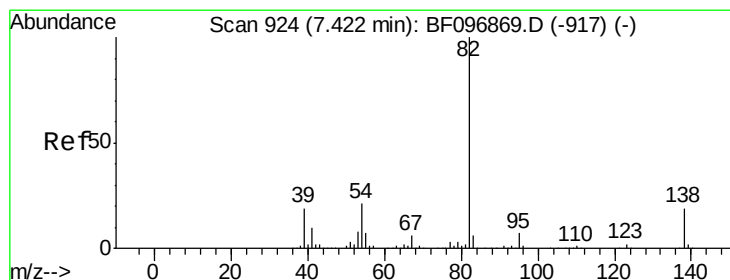
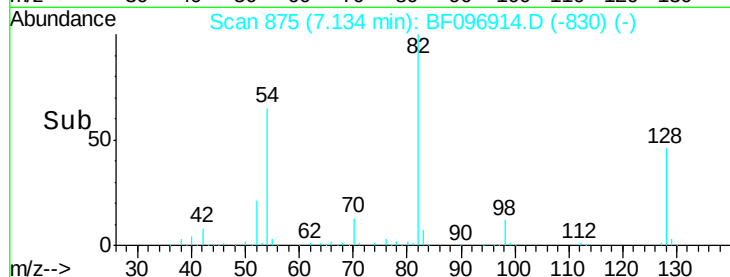
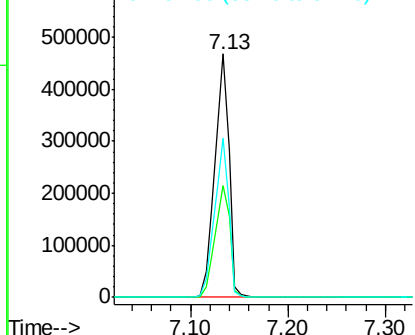
#23
 Nitrobenzene-d5
 Concen: 60.68 ng
 RT: 7.13 min Scan# 875
 Delta R.T. -0.04 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-071917

Tgt Ion: 82 Resp: 475066
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.0 51.0
 54 65.3 42.2 63.2#

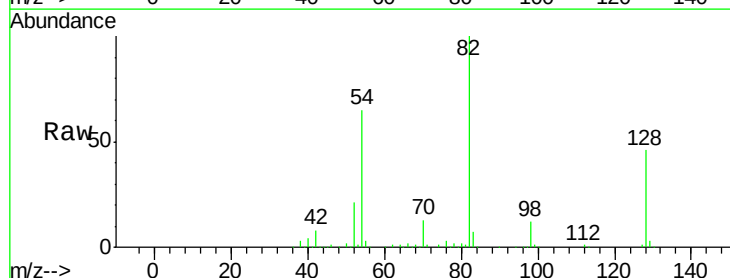


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

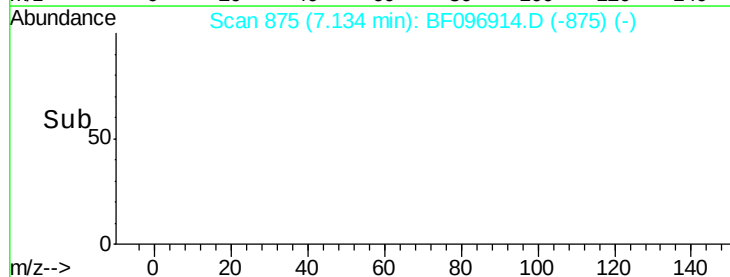
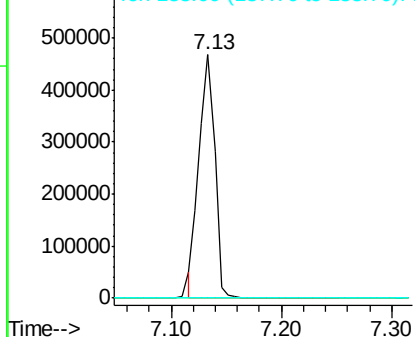


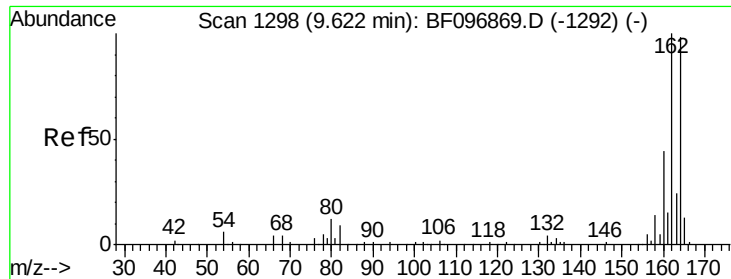
#25
 Isophorone
 Concen: 31.31 ng
 RT: 7.13 min Scan# 875
 Delta R.T. -0.30 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

Tgt Ion: 82 Resp: 456002
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

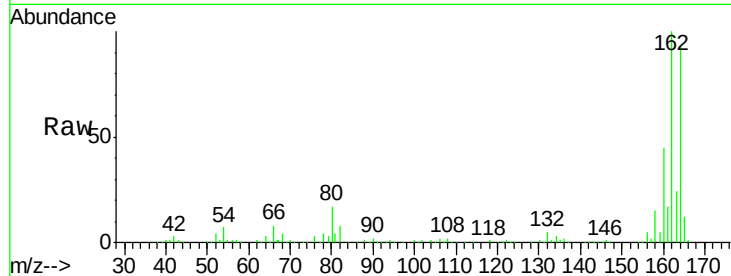




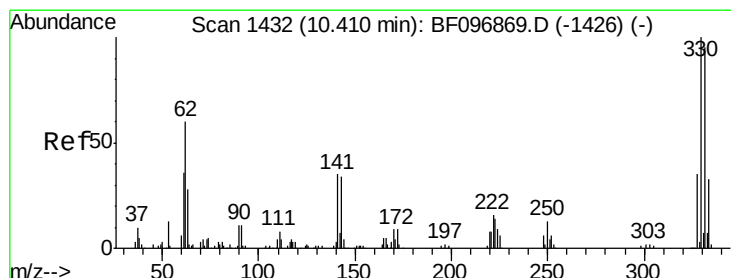
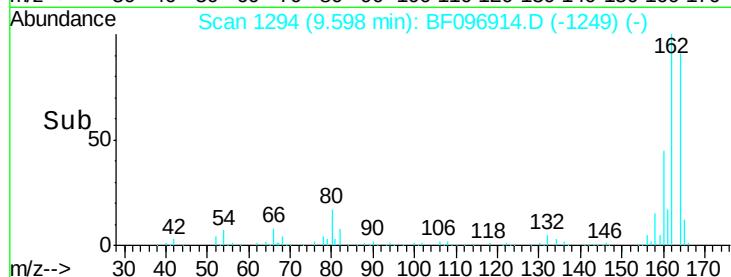
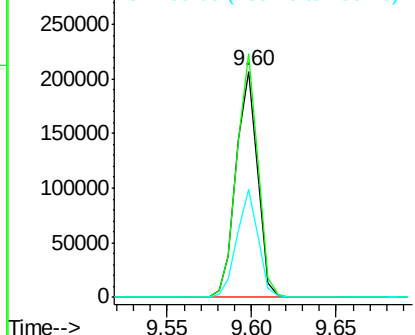
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.60 min Scan# 1294
 Delta R.T. -0.04 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-071917

Tgt Ion:164 Resp: 182336
 Ion Ratio Lower Upper
 164 100
 162 107.7 82.6 123.8
 160 47.9 36.2 54.2

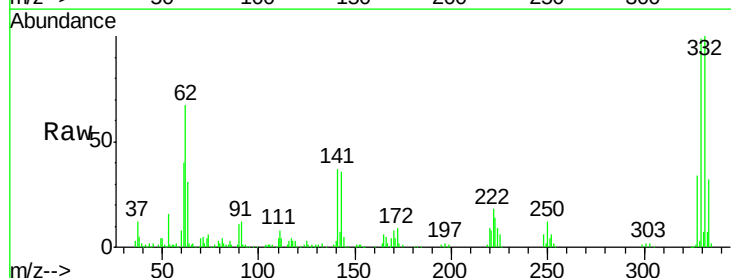


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

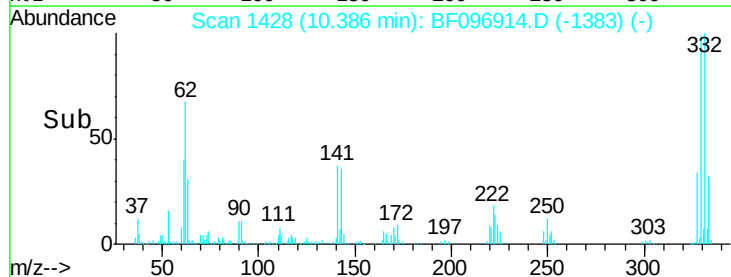
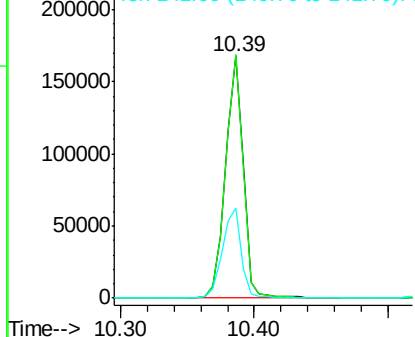


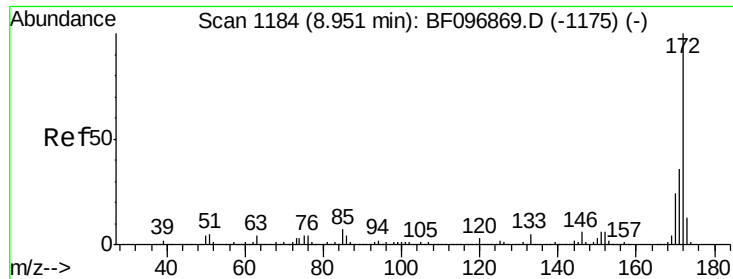
#41
 2,4,6-Tribromophenol
 Concen: 102.16 ng
 RT: 10.39 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

Tgt Ion:330 Resp: 158995
 Ion Ratio Lower Upper
 330 100
 332 99.1 76.6 115.0
 141 39.3 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

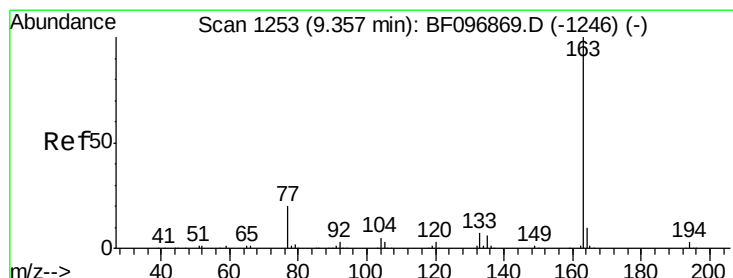
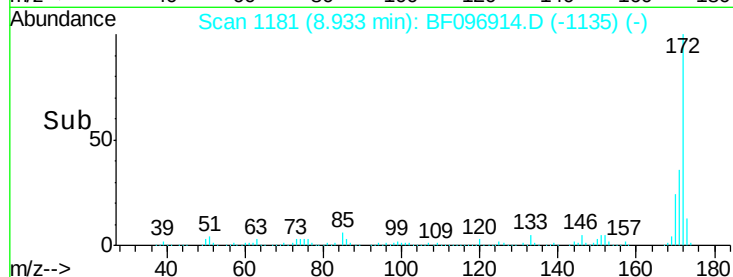
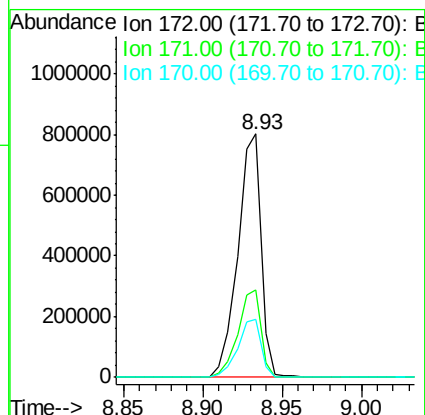
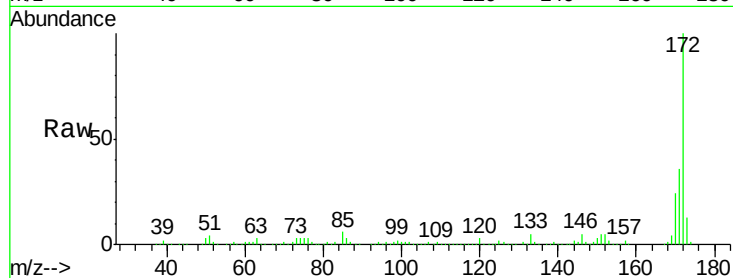




#44
 2-Fluorobiphenyl
 Concen: 70.59 ng
 RT: 8.93 min Scan# 1181
 Delta R.T. -0.03 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

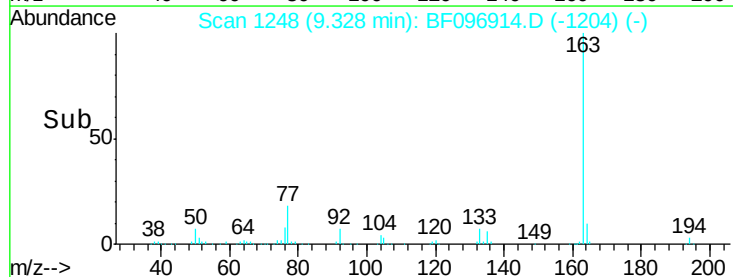
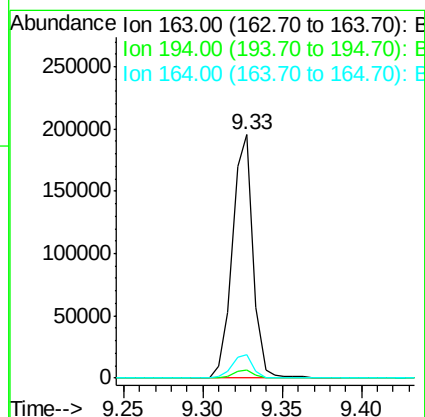
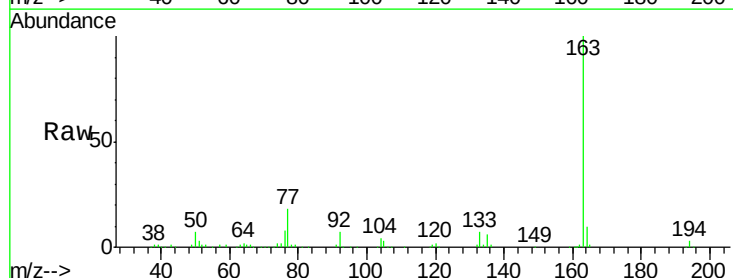
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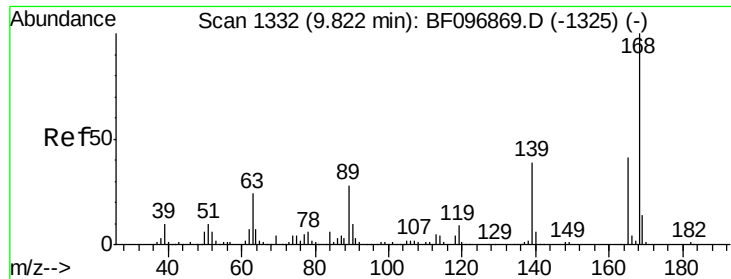
Tgt Ion:172 Resp: 814709
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 23.9 19.8 29.8



#49
 Dimethylphthalate
 Concen: 12.83 ng
 RT: 9.33 min Scan# 1248
 Delta R.T. -0.04 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

Tgt Ion:163 Resp: 176163
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 9.6 8.4 12.6

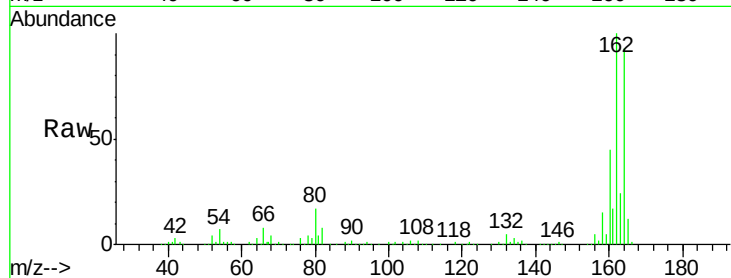




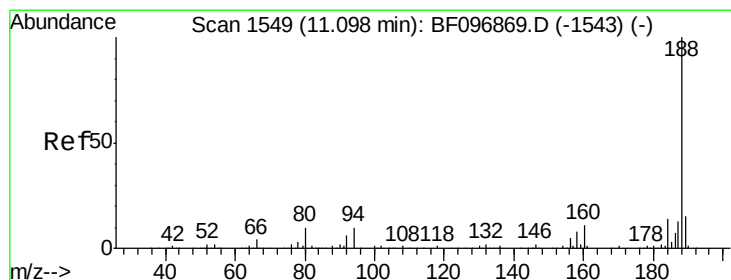
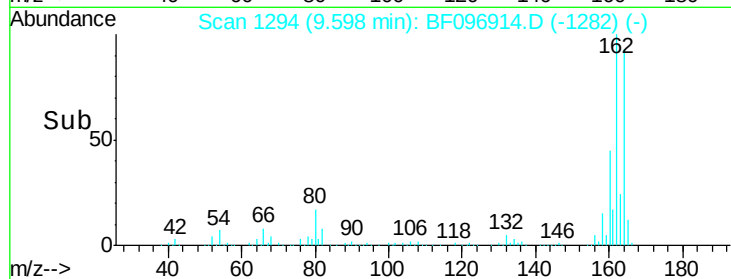
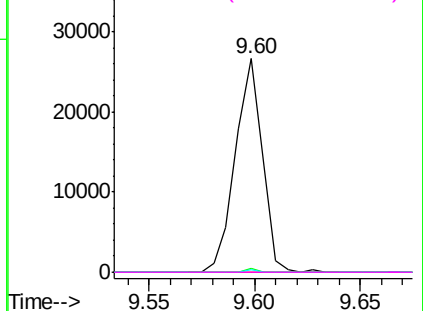
#56
 2,4-Dinitrotoluene
 Concen: 6.15 ng
 RT: 9.60 min Scan# 1294
 Delta R.T. -0.23 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-071917

Tgt Ion:	165	Resp:	23505
Ion Ratio	Lower	Upper	
165	100		
63	2.0	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#

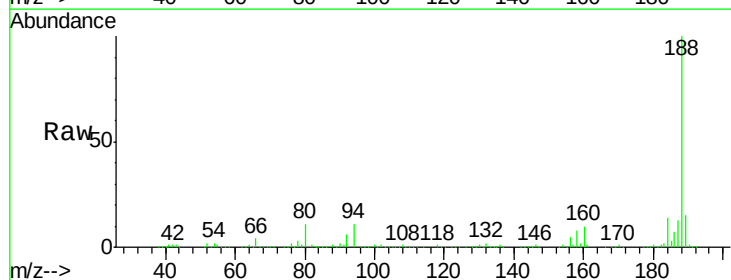


Abundance Ion 165.00 (164.70 to 165.70): E

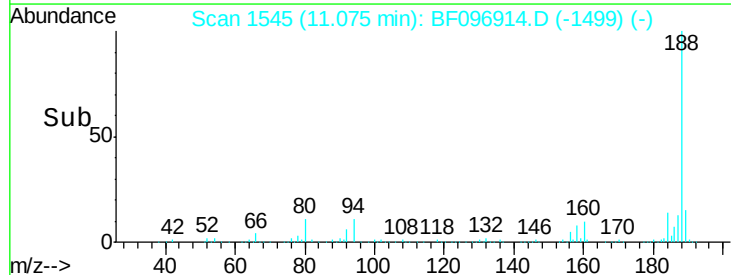
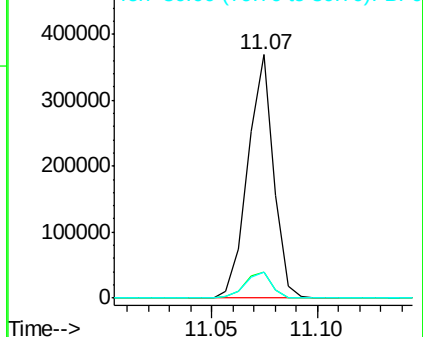


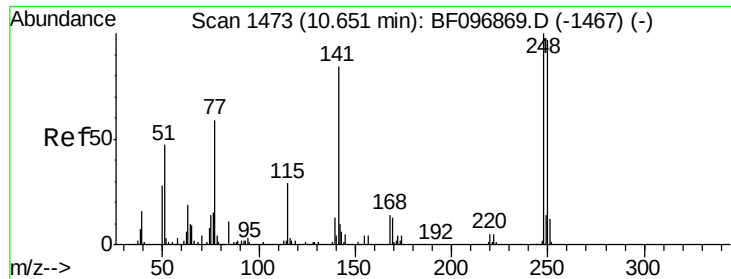
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 1545
 Delta R.T. -0.03 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

Tgt Ion:	188	Resp:	312705
Ion Ratio	Lower	Upper	
188	100		
94	10.7	9.4	14.2
80	10.7	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E

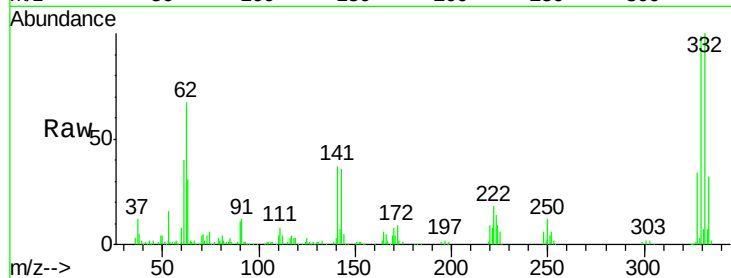




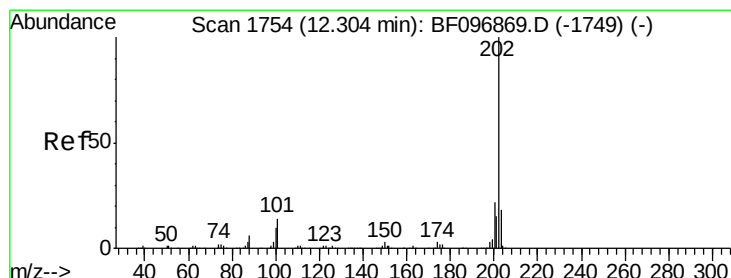
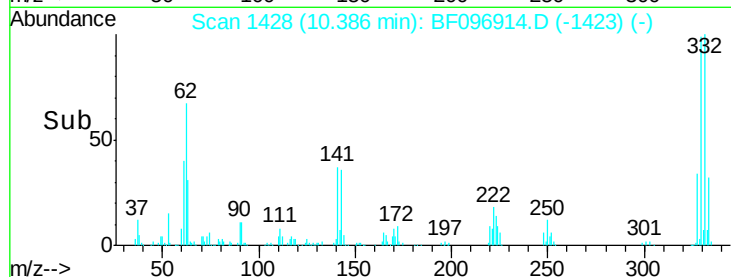
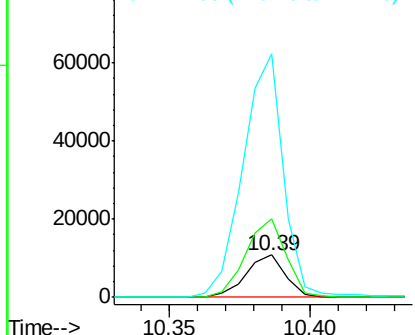
#66
 4-Bromophenyl-phenylether
 Concen: 3.27 ng
 RT: 10.39 min Scan# 1428
 Delta R.T. -0.27 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-071917

Tgt Ion:248 Resp: 10434
 Ion Ratio Lower Upper
 248 100
 250 185.8 76.8 115.2#
 141 576.9 68.6 103.0#

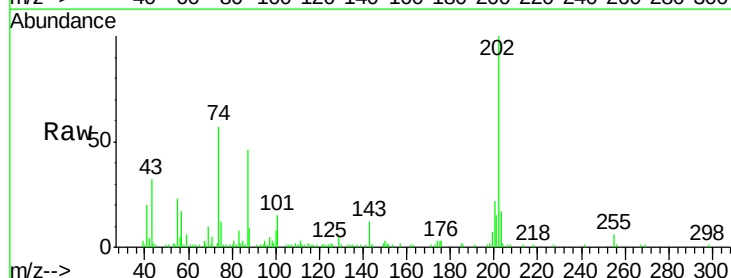


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

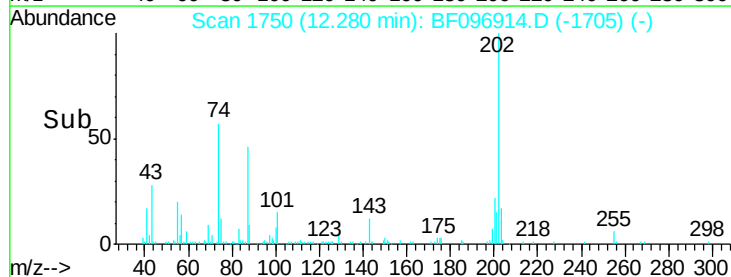
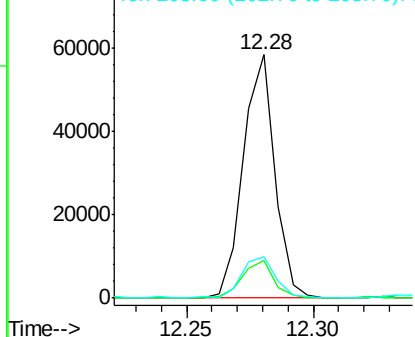


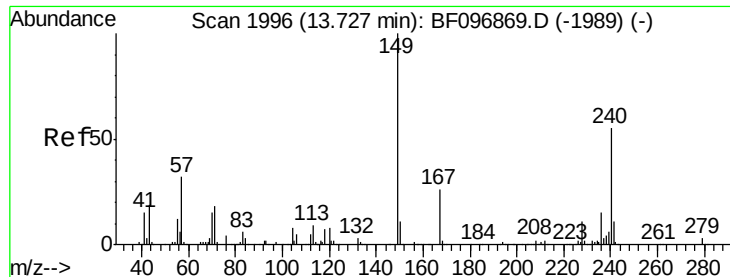
#74
 Fluoranthene
 Concen: 3.09 ng
 RT: 12.28 min Scan# 1750
 Delta R.T. -0.04 min
 Lab File: BF096914.D
 Acq: 20 Jul 2017 19:12

Tgt Ion:202 Resp: 50342
 Ion Ratio Lower Upper
 202 100
 101 15.3 0.0 33.2
 203 17.1 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: 13.70 min Scan# 1991

Delta R.T. -0.04 min

Lab File: BF096914.D

Acq: 20 Jul 2017 19:12

Instrument :

BNA_F

ClientSampleId :

NB-08-071917

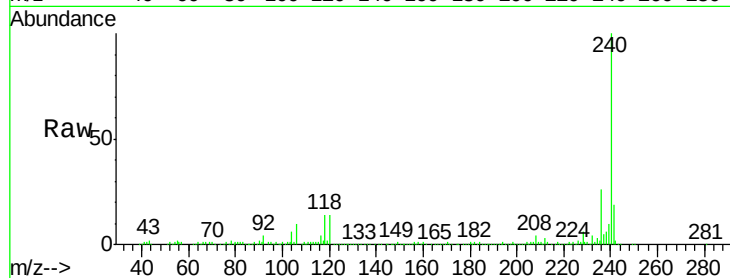
Tgt Ion:240 Resp: 192817

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

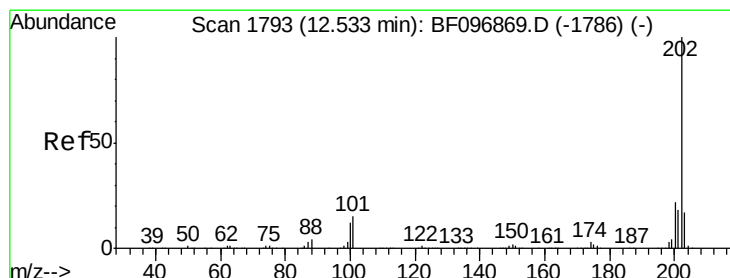
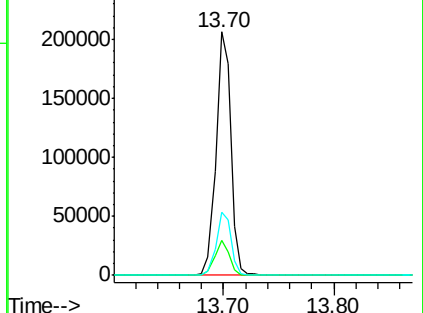
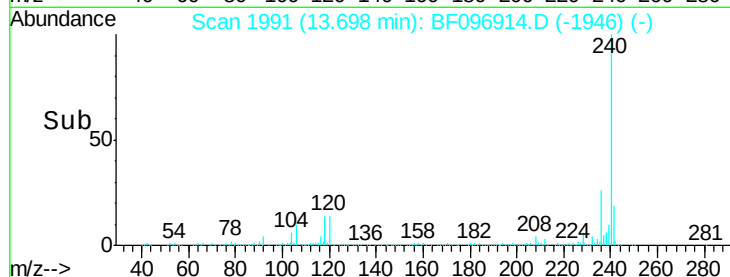
236 26.0 20.5 30.7



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

Pyrene

Concen: 2.73 ng

RT: 12.50 min Scan# 1788

Delta R.T. -0.04 min

Lab File: BF096914.D

Acq: 20 Jul 2017 19:12

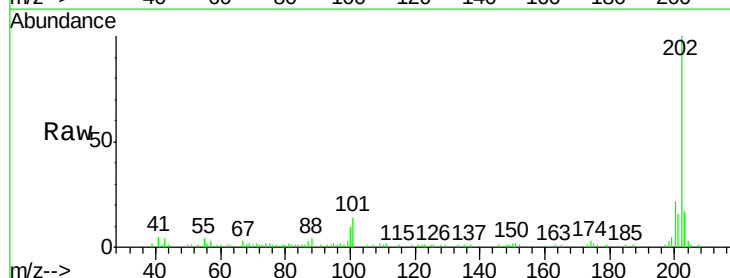
Tgt Ion:202 Resp: 47697

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

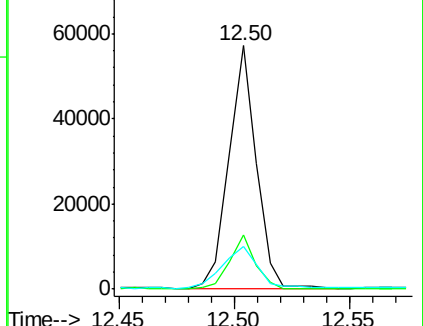
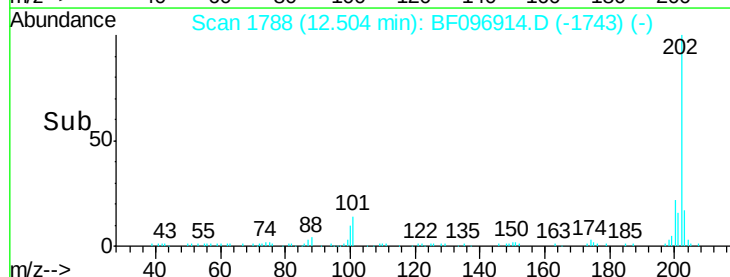
203 17.4 14.4 21.6

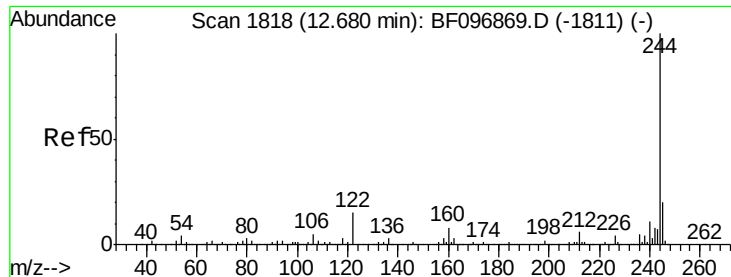


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 44.87 ng

RT: 12.66 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF096914.D

Acq: 20 Jul 2017 19:12

Instrument :

BNA_F

ClientSampleId :

NB-08-071917

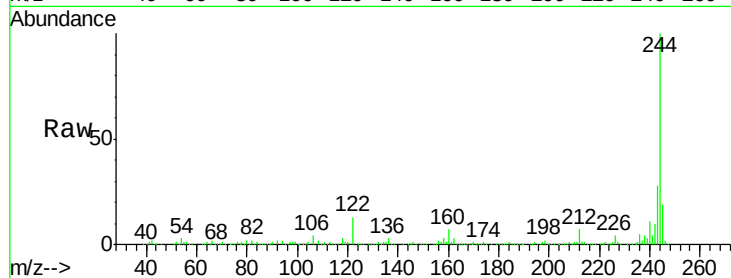
Tgt Ion:244 Resp: 498832

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

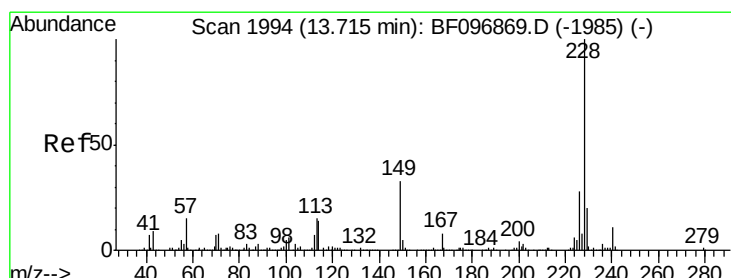
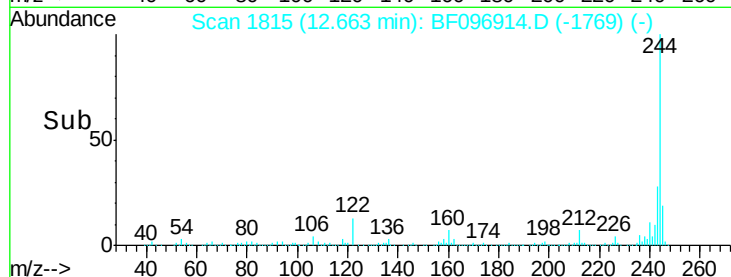
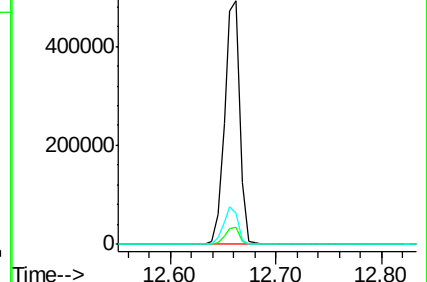
122 12.8 10.3 15.5



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: 2.39 ng

RT: 13.72 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BF096914.D

Acq: 20 Jul 2017 19:12

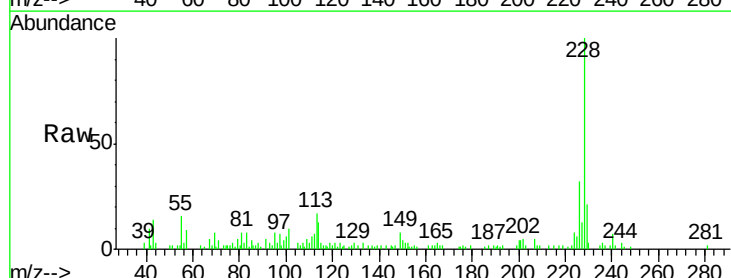
Tgt Ion:228 Resp: 28743

Ion Ratio Lower Upper

228 100

226 31.9 22.6 33.8

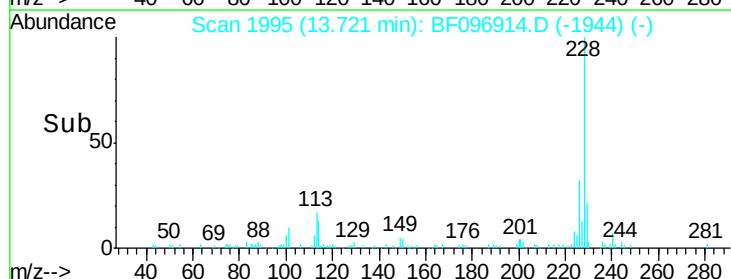
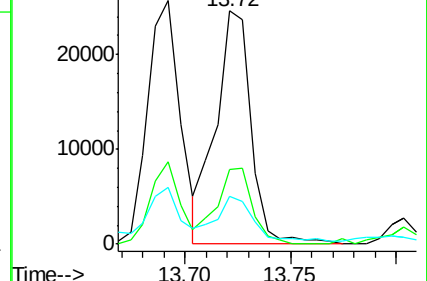
229 20.5 16.3 24.5

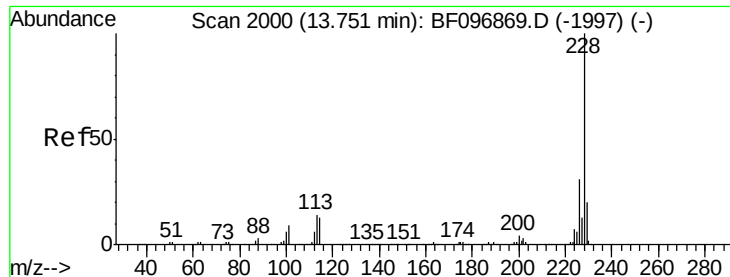


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.43 ng

RT: 13.72 min Scan# 1995

Delta R.T. -0.04 min

Lab File: BF096914.D

Acq: 20 Jul 2017 19:12

Instrument :

BNA_F

ClientSampleId :

NB-08-071917

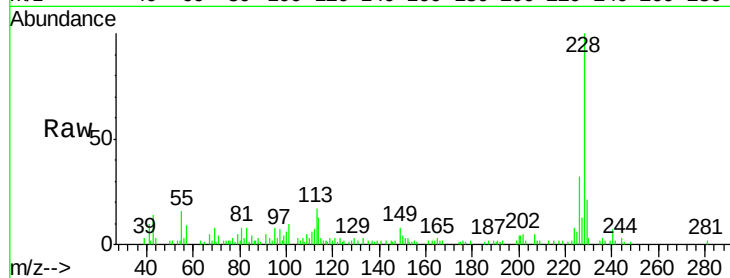
Tgt Ion: 228 Resp: 28743

Ion Ratio Lower Upper

228 100

226 31.9 24.9 37.3

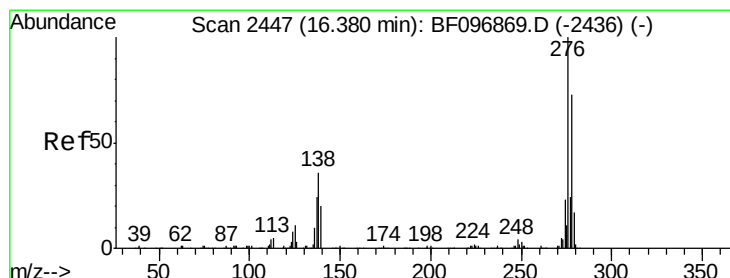
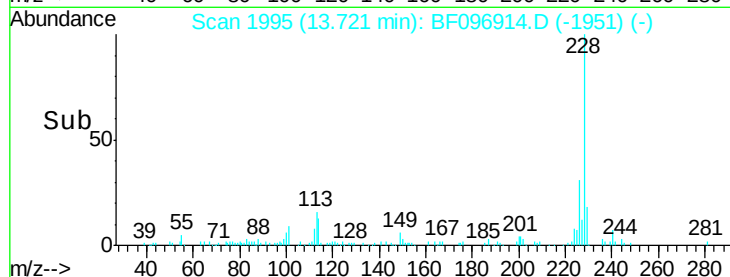
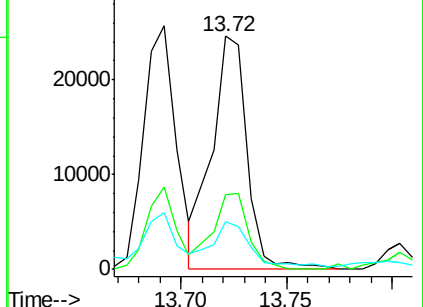
229 20.5 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.52 ng

RT: 16.49 min Scan# 2465

Delta R.T. 0.09 min

Lab File: BF096914.D

Acq: 20 Jul 2017 19:12

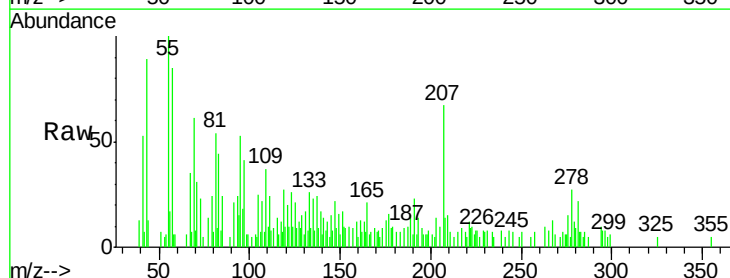
Tgt Ion: 276 Resp: 2133

Ion Ratio Lower Upper

276 100

138 32.0 27.8 41.6

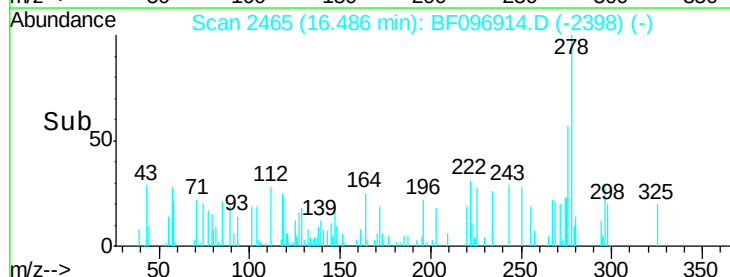
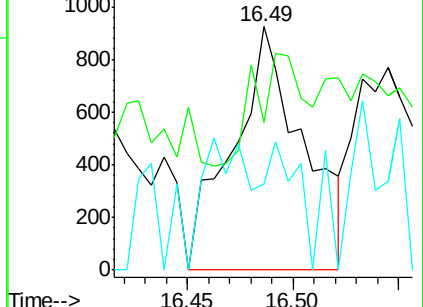
277 20.4 20.2 30.4

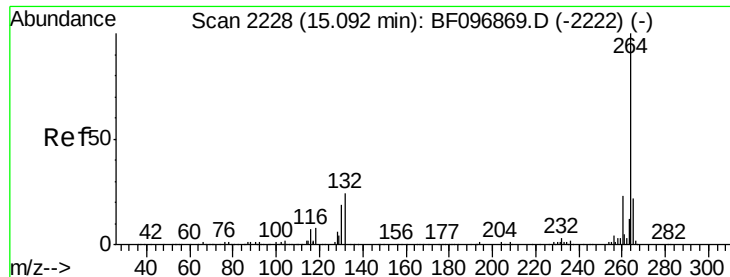


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

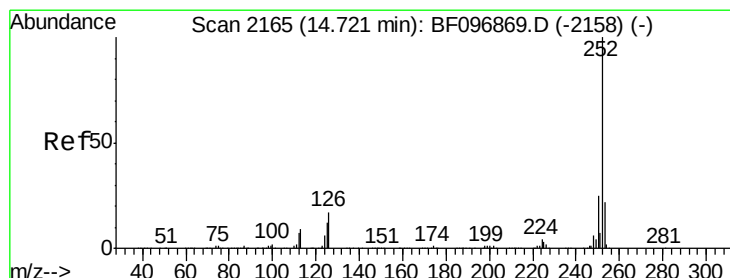
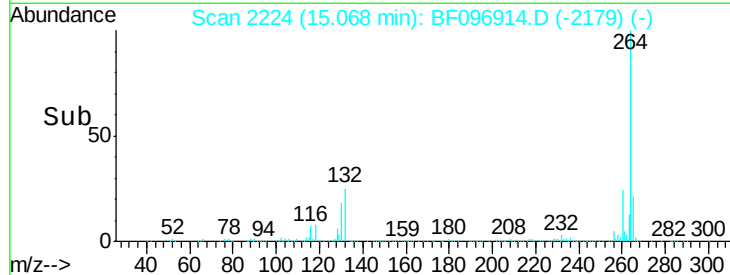
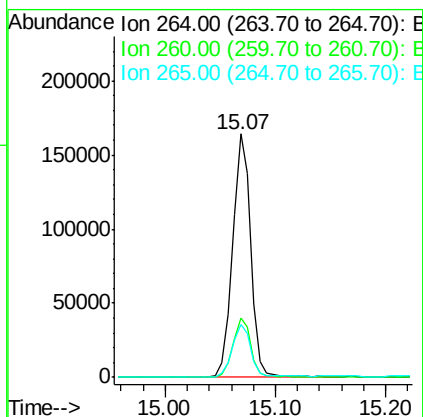
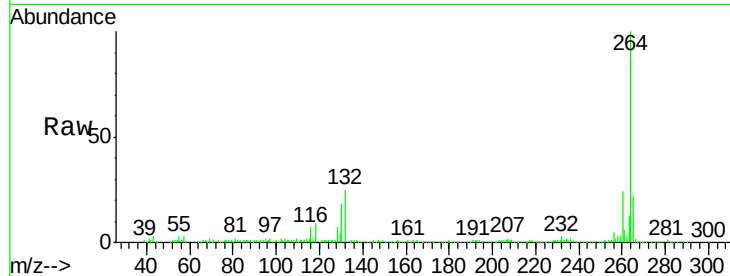




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 2224
Delta R.T. -0.04 min
Lab File: BF096914.D
Acq: 20 Jul 2017 19:12

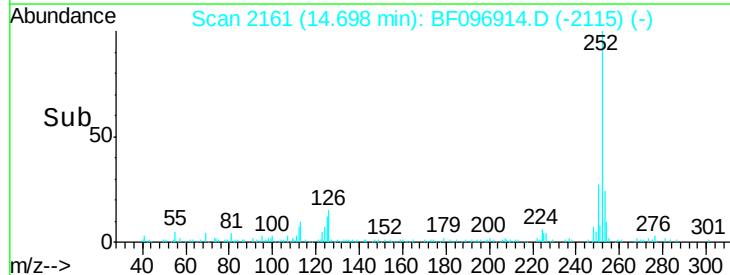
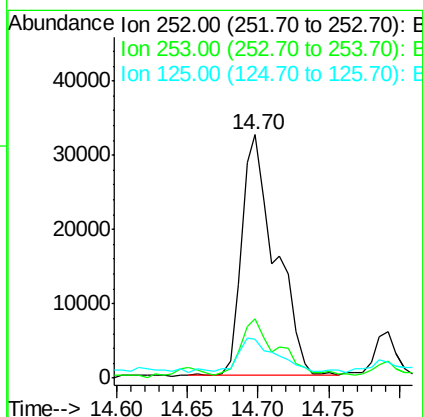
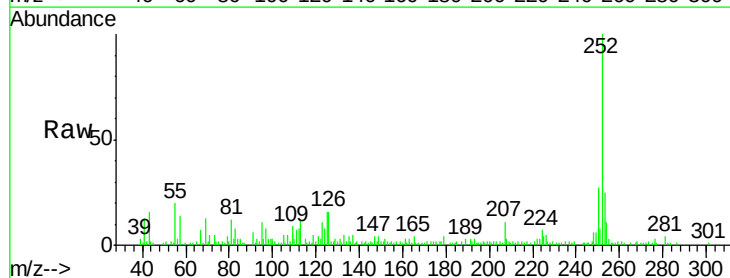
Instrument :
BNA_F
ClientSampleId :
NB-08-071917

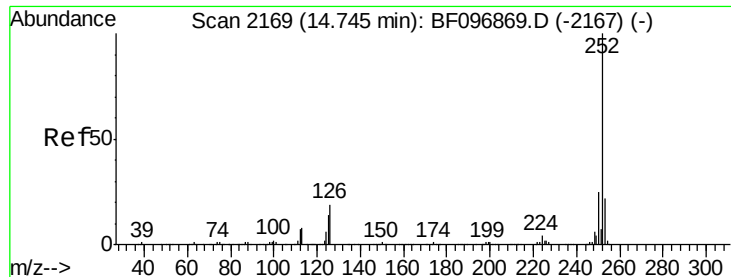
Tgt Ion: 264 Resp: 190161
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 21.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.70 ng
RT: 14.70 min Scan# 2161
Delta R.T. -0.03 min
Lab File: BF096914.D
Acq: 20 Jul 2017 19:12

Tgt Ion: 252 Resp: 53902
Ion Ratio Lower Upper
252 100
253 24.6 18.1 27.1
125 15.8 9.8 14.8#

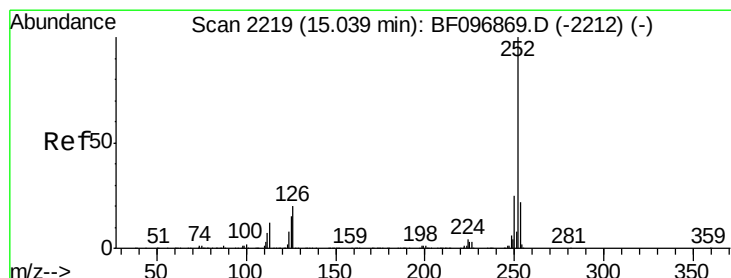
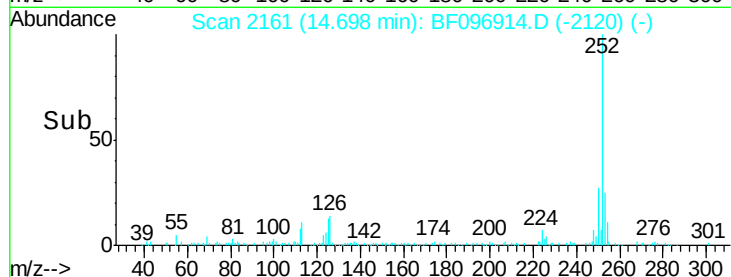
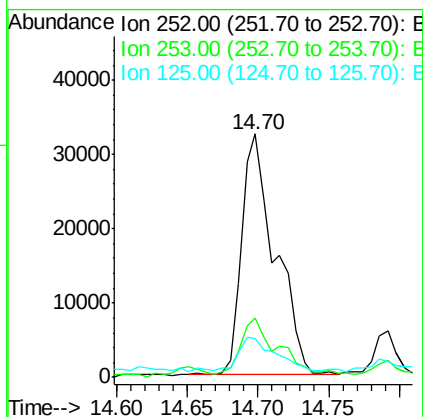
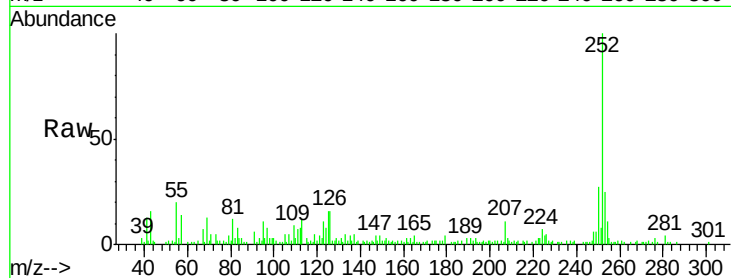




#88
Benzo(k)fluoranthene
Concen: 4.96 ng
RT: 14.70 min Scan# 2161
Delta R.T. -0.06 min
Lab File: BF096914.D
Acq: 20 Jul 2017 19:12

Instrument :
BNA_F
ClientSampleId :
NB-08-071917

Tgt Ion:252 Resp: 53902
Ion Ratio Lower Upper
252 100
253 24.6 18.4 27.6
125 15.8 13.1 19.7



#89
Benzo(a)pyrene
Concen: 2.80 ng
RT: 15.01 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF096914.D
Acq: 20 Jul 2017 19:12

Tgt Ion:252 Resp: 29492
Ion Ratio Lower Upper
252 100
253 25.5 17.5 26.3
125 19.6 11.0 16.4#

