

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070717\
 Data File : BF096572.D
 Acq On : 7 Jul 2017 21:20
 Operator : SJ/MA
 Sample : I4063-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 07 23:13:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

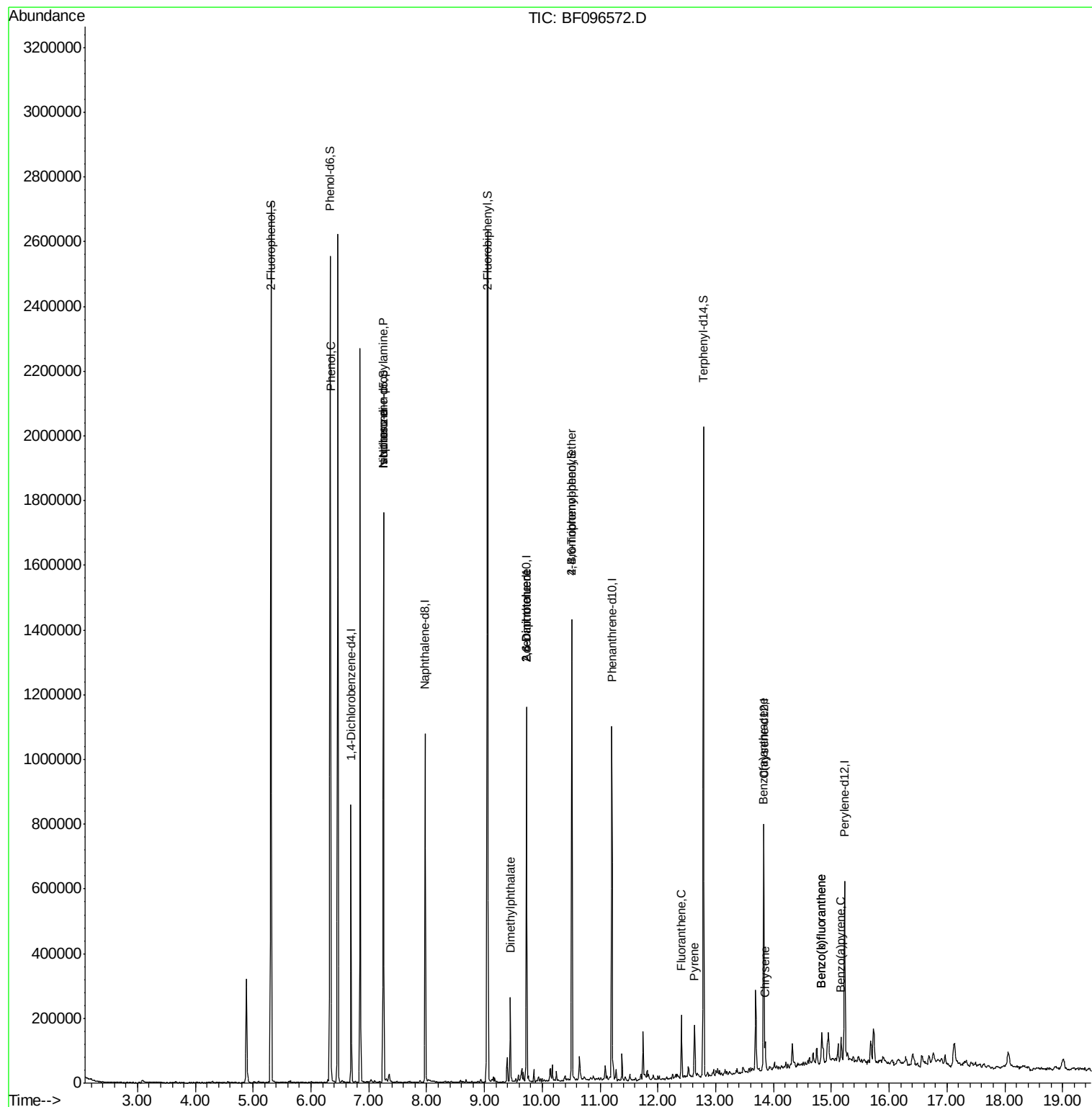
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	118224	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	462822	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	216964	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	356742	20.00	ng	0.00
75) Chrysene-d12	13.83	240	228982	20.00	ng	-0.01
86) Perylene-d12	15.23	264	231985	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	780093	97.39	ng	0.00
7) Phenol-d6	6.33	99	946401	96.11	ng	-0.01
23) Nitrobenzene-d5	7.26	82	559979	72.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	169726	100.15	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	924634	72.87	ng	0.00
78) Terphenyl-d14	12.79	244	630023	58.79	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.35	94	22946	2.05	ng	93
19) n-Nitroso-di-n-propylamine	7.26	70	72946	12.43	ng	# 88
25) Isophorone	7.26	82	556616	37.27	ng	# 67
49) Dimethylphthalate	9.45	163	88704	5.48	ng	98
50) 2,6-Dinitrotoluene	9.73	165	27814	7.77	ng	# 33
56) 2,4-Dinitrotoluene	9.73	165	27814	6.13	ng	# 32
66) 4-Bromophenyl-phenylether	10.52	248	11139	3.21	ng	# 1
74) Fluoranthene	12.41	202	70255	3.72	ng	97
77) Pyrene	12.64	202	64712	3.52	ng	99
80) Benzo(a)anthracene	13.82	228	29278	2.21	ng	96
82) Chrysene	13.86	228	28874	2.08	ng	98
87) Benzo(b)fluoranthene	14.84	252	56237	3.87	ng	# 97
88) Benzo(k)fluoranthene	14.84	252	56237	4.33	ng	98
89) Benzo(a)pyrene	15.17	252	30980	2.39	ng	# 95

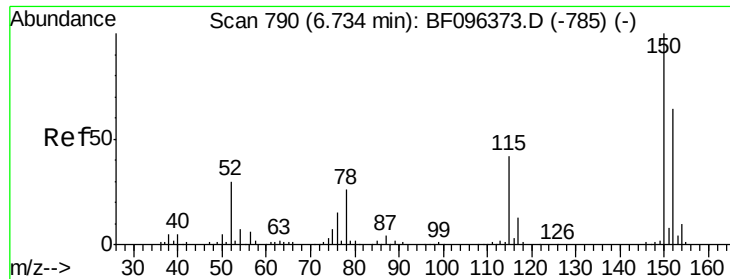
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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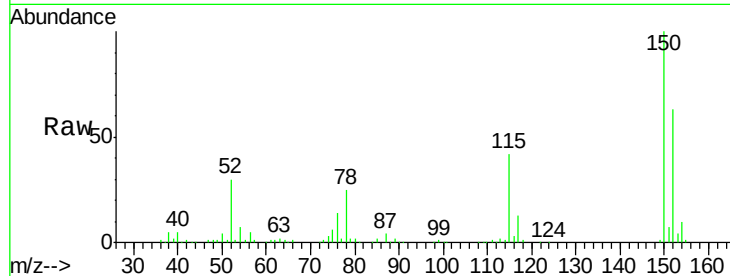


#1

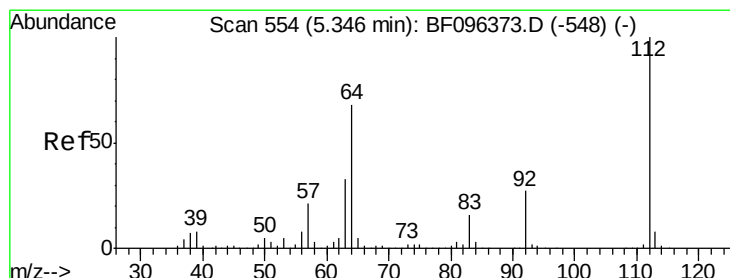
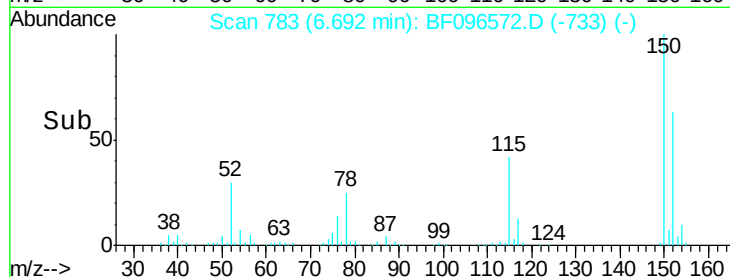
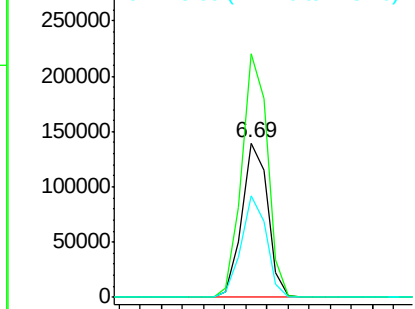
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 118224
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 66.1 52.2 78.2



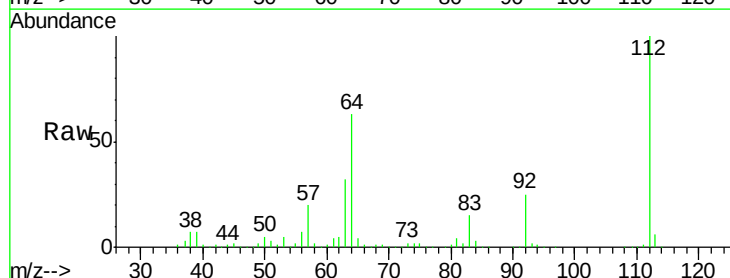
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



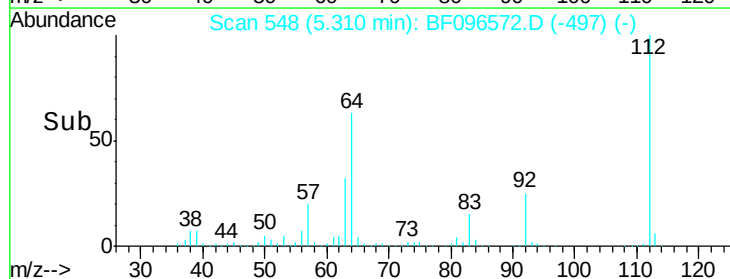
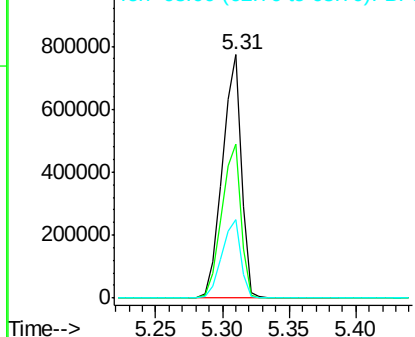
#5

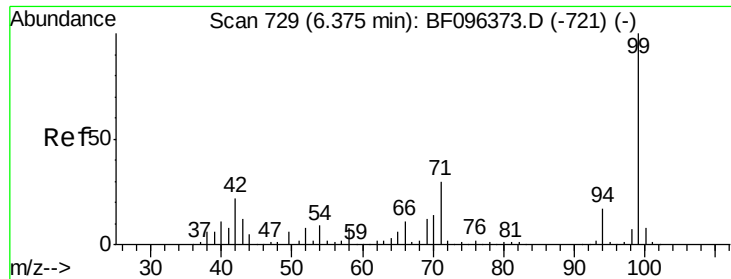
2-Fluorophenol
Concen: 97.39 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.00 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:112 Resp: 780093
Ion Ratio Lower Upper
112 100
64 63.1 46.0 69.0
63 32.1 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: 96.11 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF096572.D

Acq: 7 Jul 2017 21:20

Instrument :

BNA_F

ClientSampled :

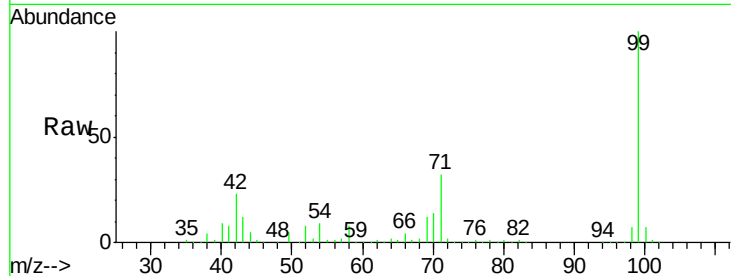
Tot Ion: 99 Resp: 946401

Ion Ratio Lower Upper

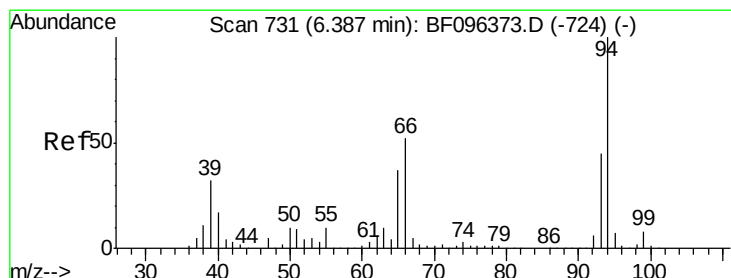
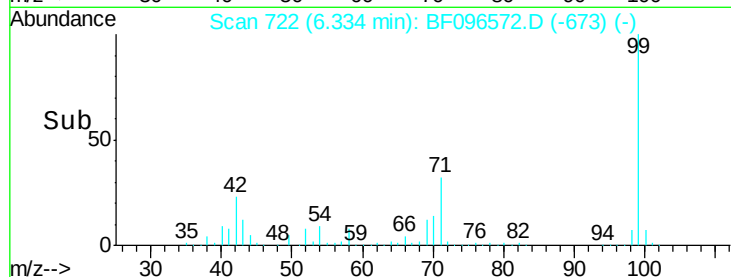
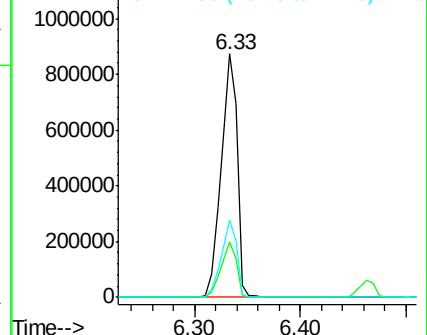
99 100

42 22.8 13.5 20.3#

71 31.9 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: 2.05 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096572.D

Acq: 7 Jul 2017 21:20

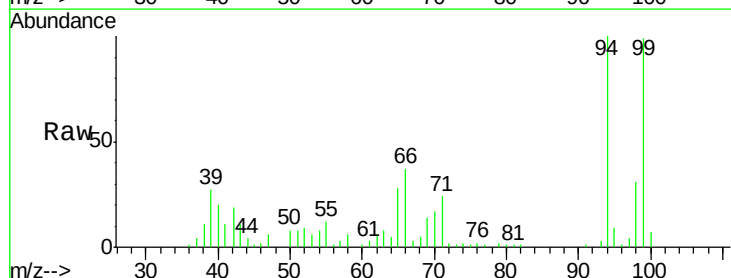
Tgt Ion: 94 Resp: 22946

Ion Ratio Lower Upper

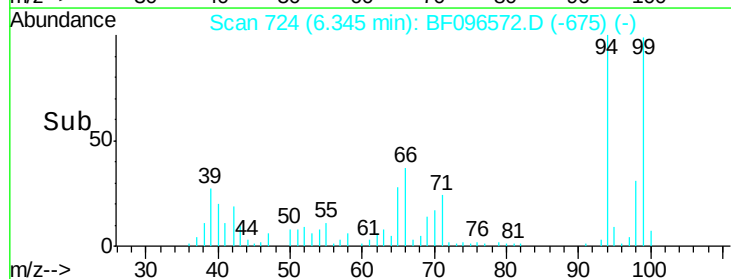
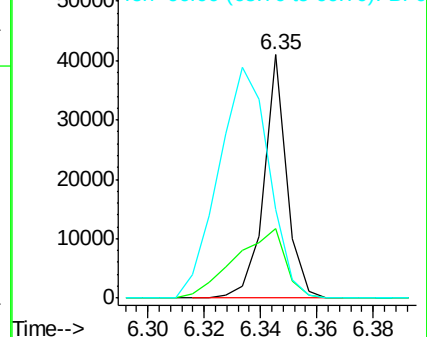
94 100

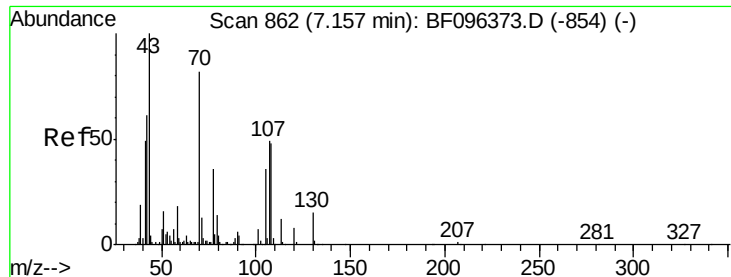
65 28.3 9.9 49.9

66 36.6 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

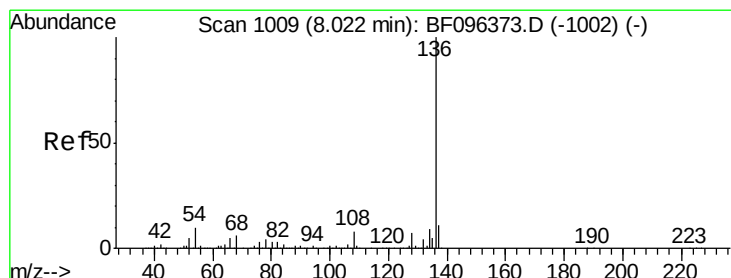
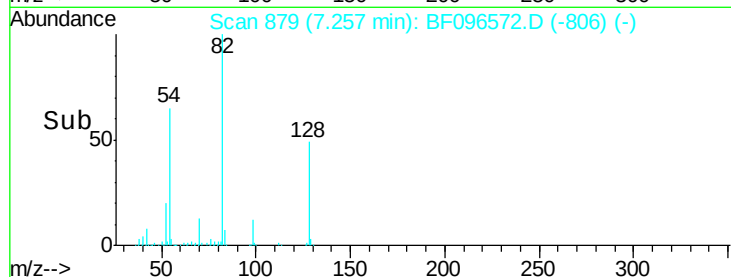
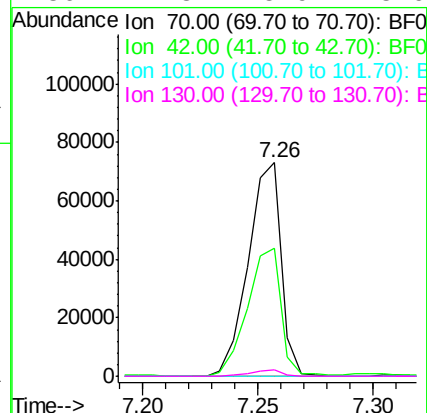
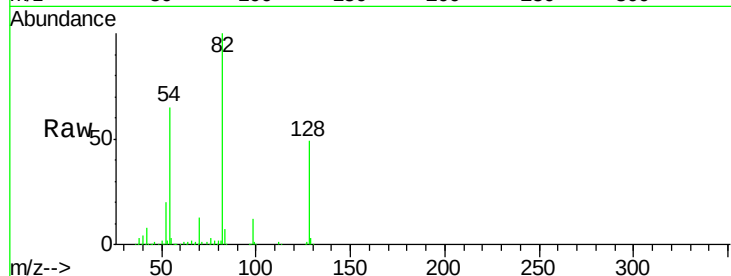




#19
n-Nitroso-di-n-propylamine
Concen: 12.43 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.13 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

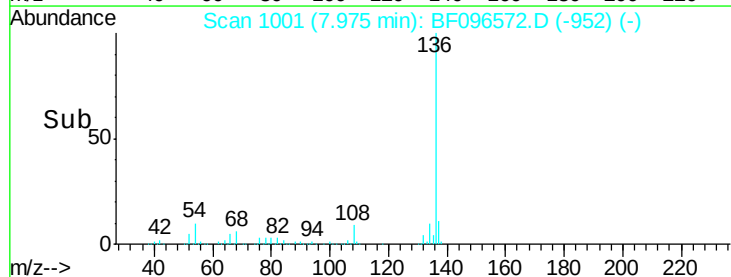
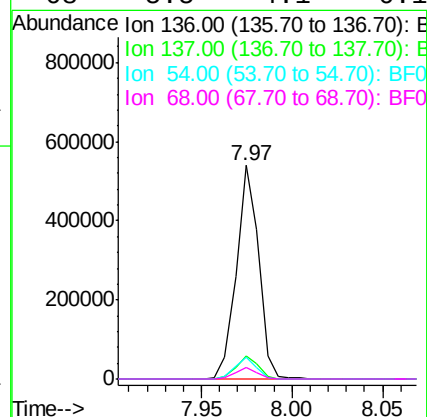
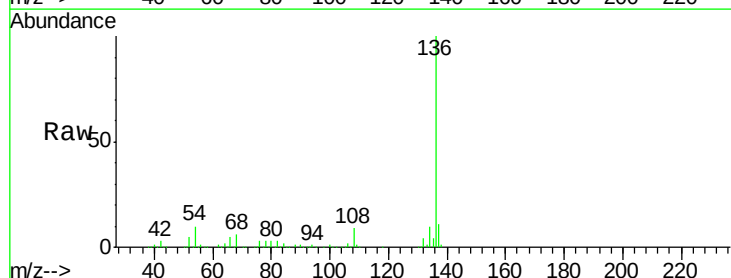
Instrument :
BNA_F
ClientSampleId :

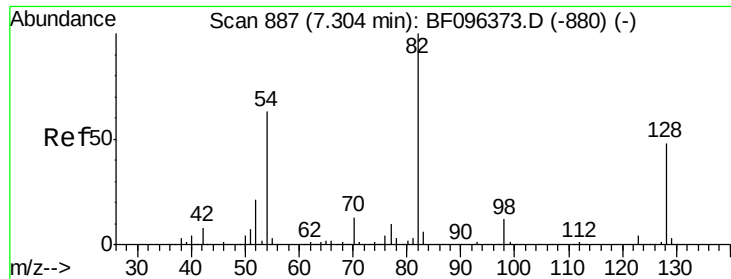
Tot Ion: 70 Resp: 72946
Ion Ratio Lower Upper
70 100
42 59.8 47.2 70.8
101 0.0 7.2 10.8#
130 2.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:136 Resp: 462822
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.1 4.9 7.3#
68 5.5 4.1 6.1

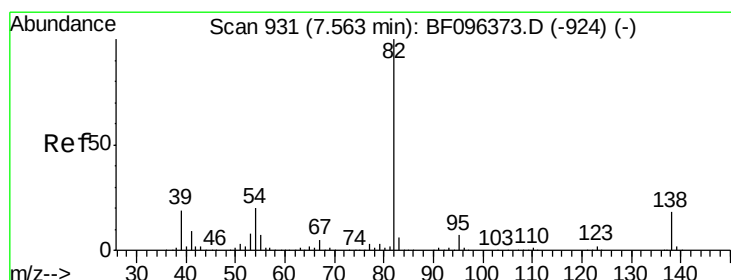
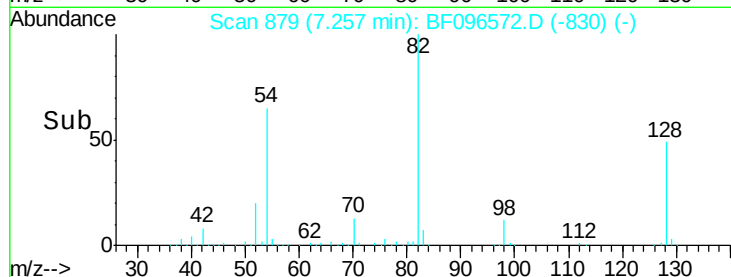
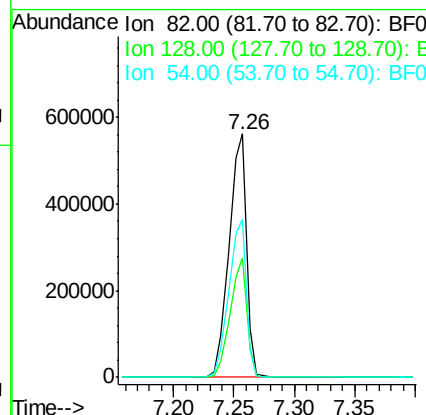
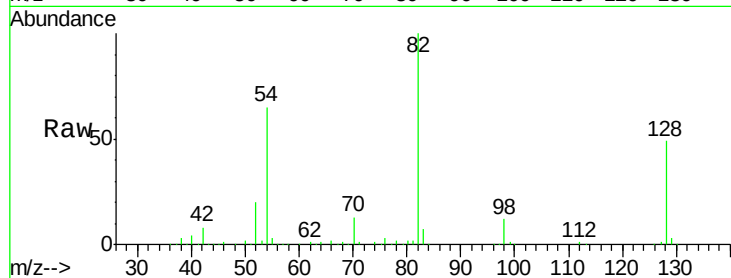




#23
 Nitrobenzene-d5
 Concen: 72.71 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF096572.D
 Acq: 7 Jul 2017 21:20

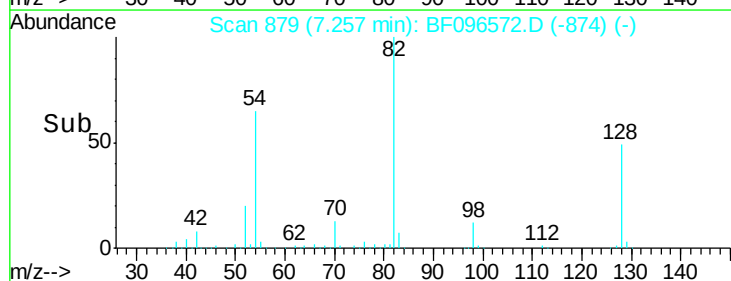
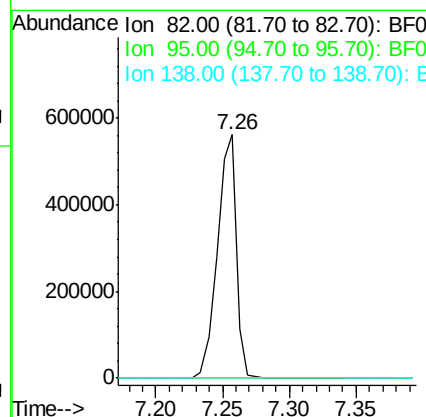
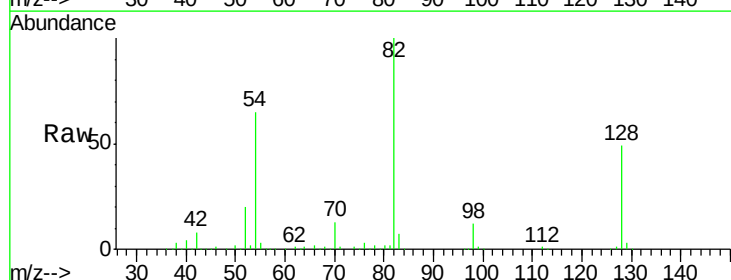
Instrument :
 BNA_F
 ClientSampleId :

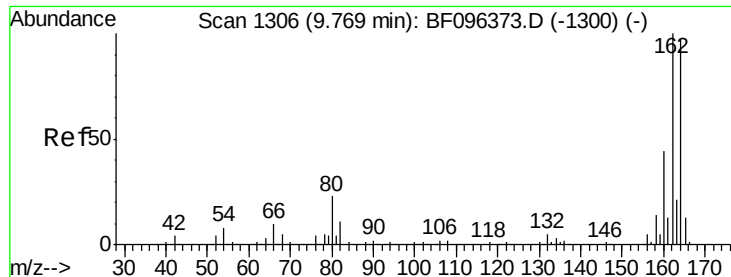
Tot Ion: 82 Resp: 559979
 Ion Ratio Lower Upper
 82 100
 128 49.1 34.0 51.0
 54 64.7 42.2 63.2#



#25
 Isophorone
 Concen: 37.27 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.27 min
 Lab File: BF096572.D
 Acq: 7 Jul 2017 21:20

Tgt Ion: 82 Resp: 556616
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096572.D

Acq: 7 Jul 2017 21:20

Instrument :

BNA_F

ClientSampleId :

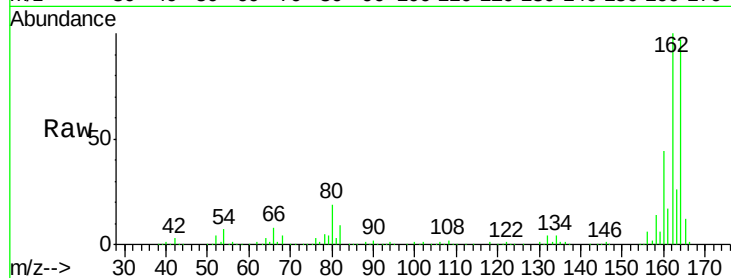
Tot Ion:164 Resp: 216964

Ion Ratio Lower Upper

164 100

162 102.7 82.6 123.8

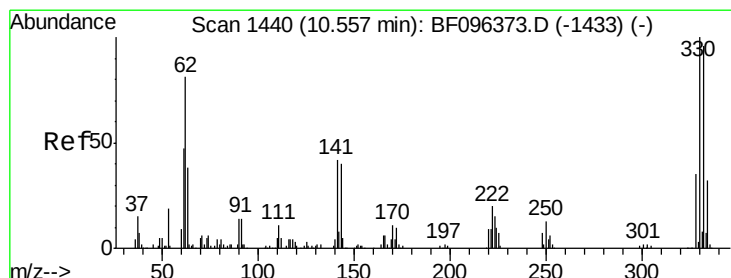
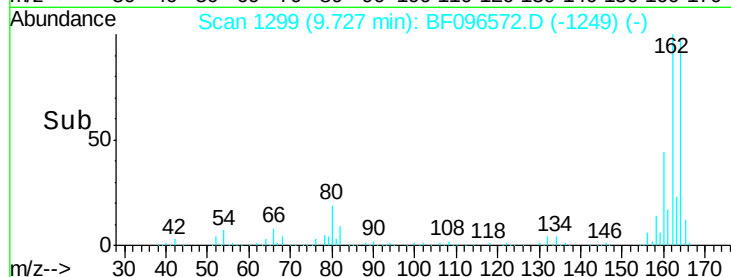
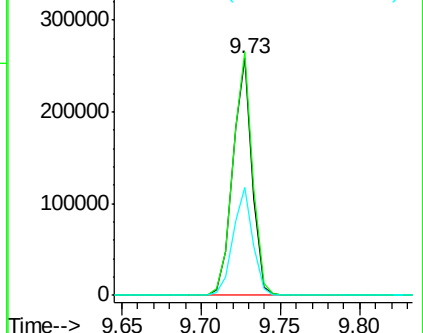
160 45.6 36.2 54.2



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: 100.15 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF096572.D

Acq: 7 Jul 2017 21:20

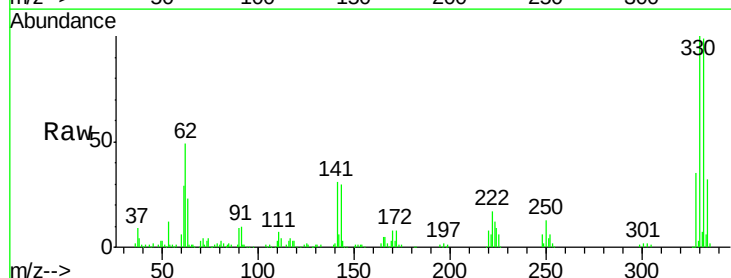
Tgt Ion:330 Resp: 169726

Ion Ratio Lower Upper

330 100

332 98.8 76.6 115.0

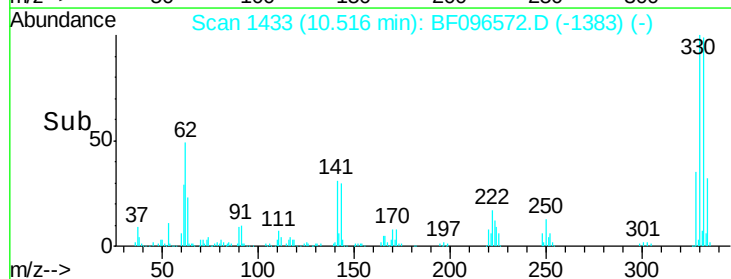
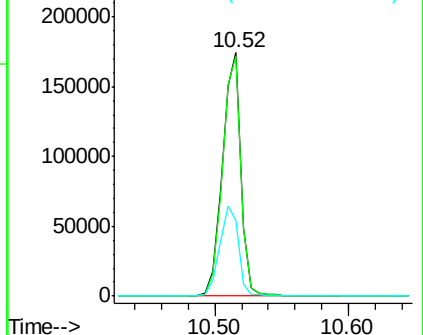
141 37.8 31.4 47.2

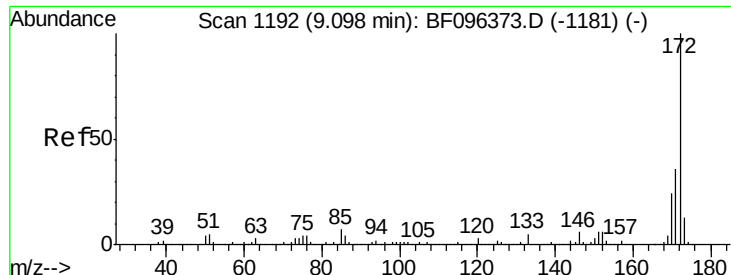


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

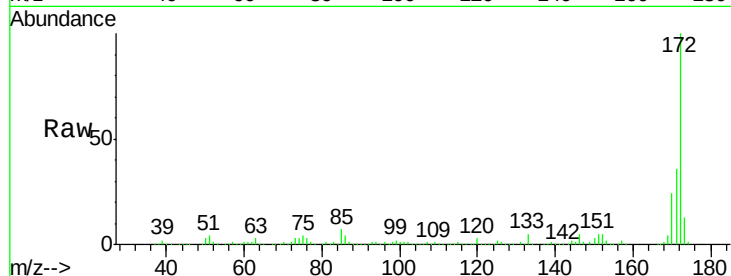




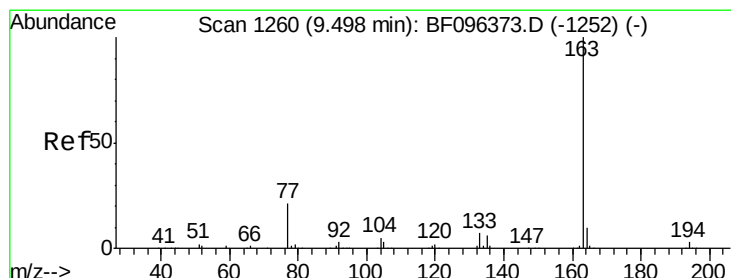
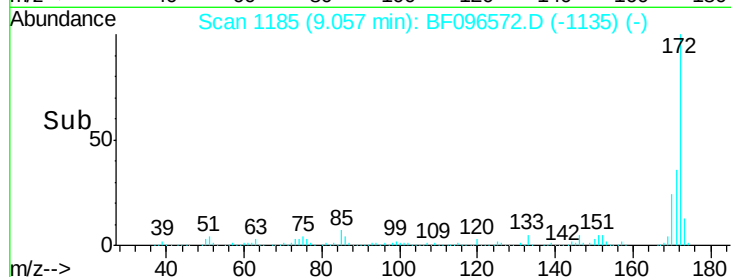
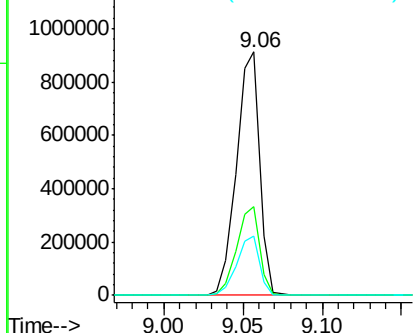
#44
2-Fluorobiphenyl
Concen: 72.87 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 924634
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.1 19.8 29.8

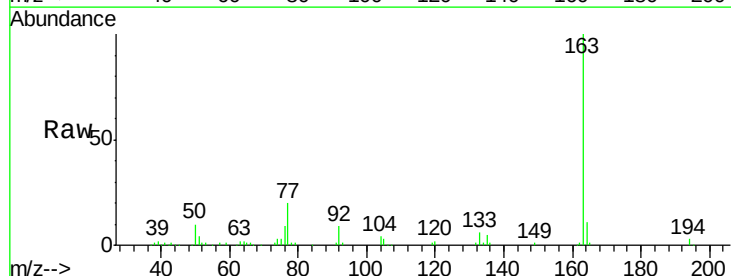


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

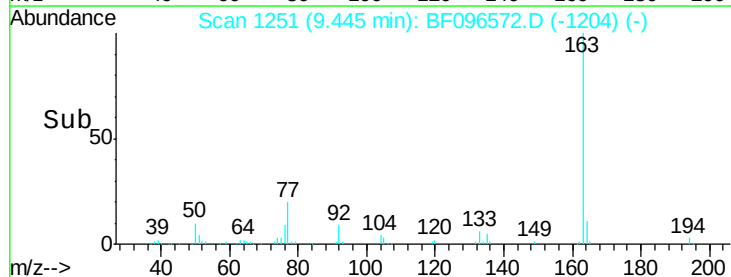
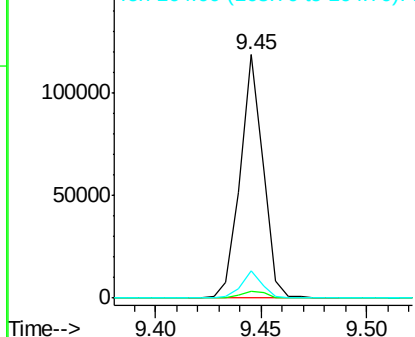


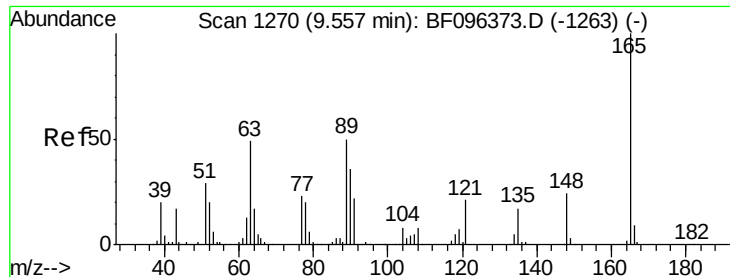
#49
Dimethylphthalate
Concen: 5.48 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:163 Resp: 88704
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 11.2 8.4 12.6



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

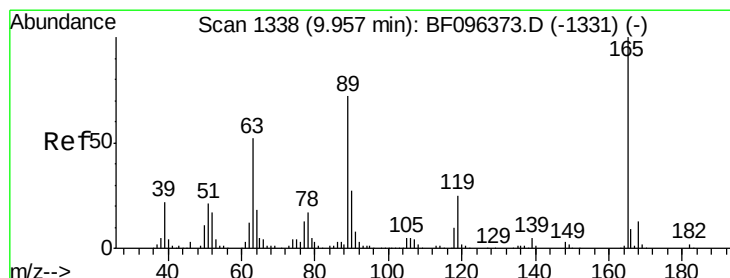
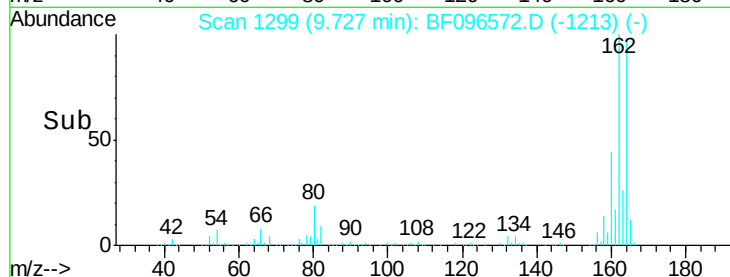
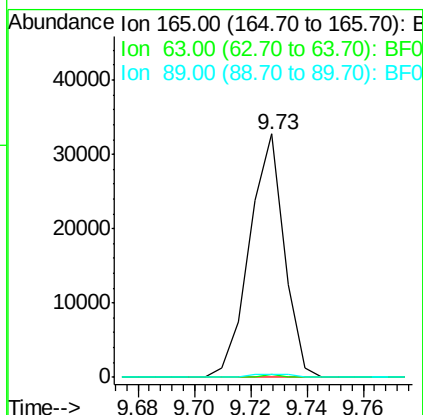
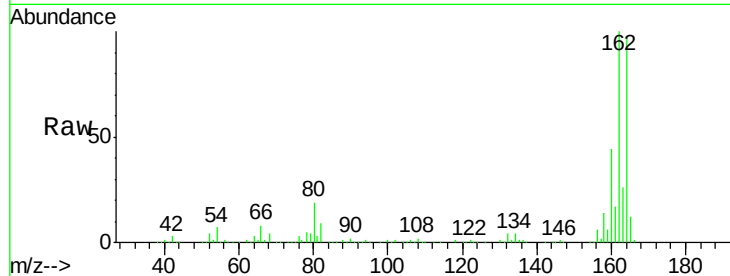




#50
 2,6-Dinitrotoluene
 Concen: 7.77 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.21 min
 Lab File: BF096572.D
 Acq: 7 Jul 2017 21:20

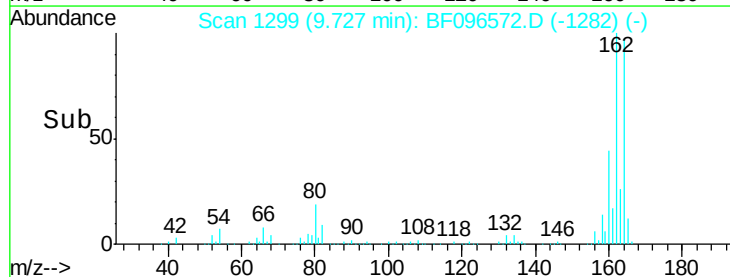
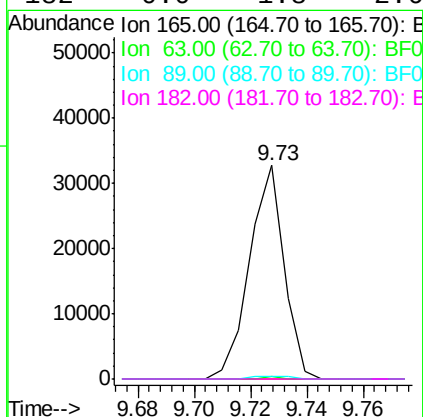
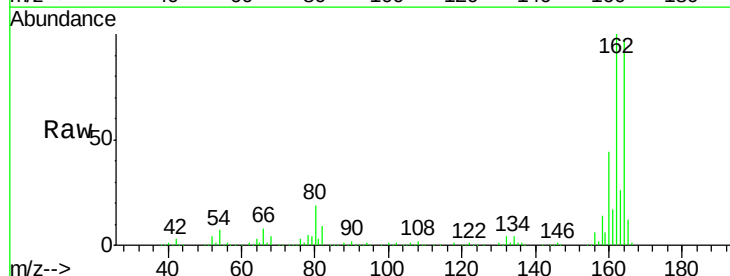
Instrument :
 BNA_F
 ClientSampleId :

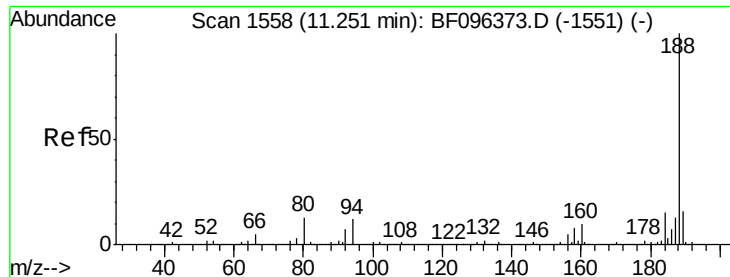
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.3	51.5#
89	1.0	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.13 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF096572.D
 Acq: 7 Jul 2017 21:20

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.0	46.4	69.6#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF096572.D

Acq: 7 Jul 2017 21:20

Instrument :

BNA_F

ClientSampled :

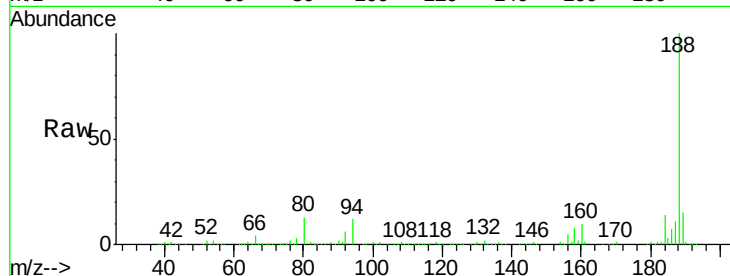
Tot Ion:188 Resp: 356742

Ion Ratio Lower Upper

188 100

94 12.0 9.4 14.2

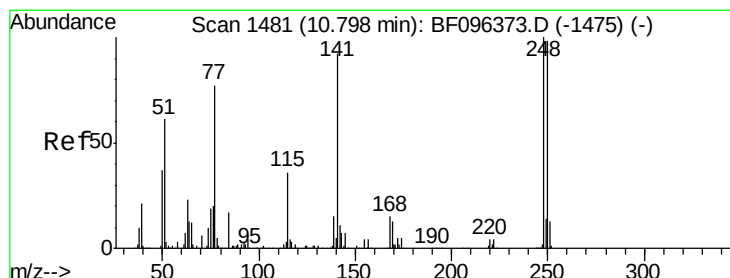
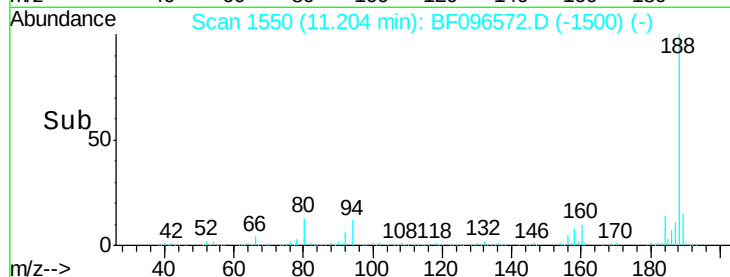
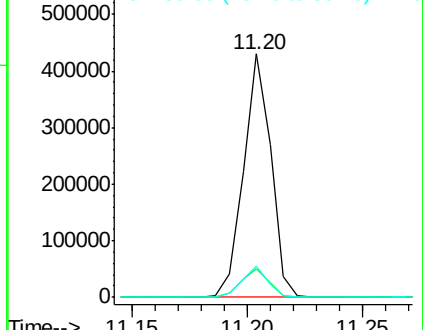
80 12.6 10.2 15.2



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



#66

4-Bromophenyl-phenylether

Concen: 3.21 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.25 min

Lab File: BF096572.D

Acq: 7 Jul 2017 21:20

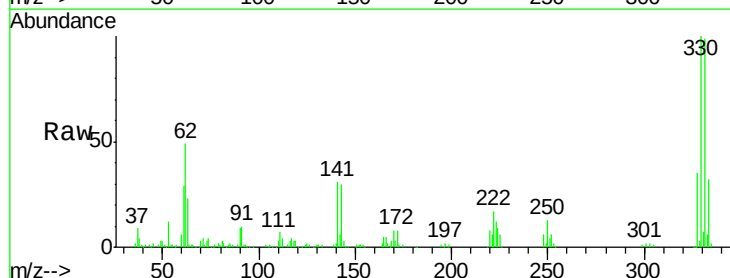
Tgt Ion:248 Resp: 11139

Ion Ratio Lower Upper

248 100

250 200.8 76.8 115.2#

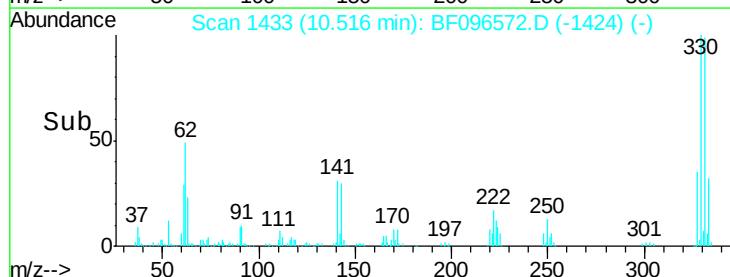
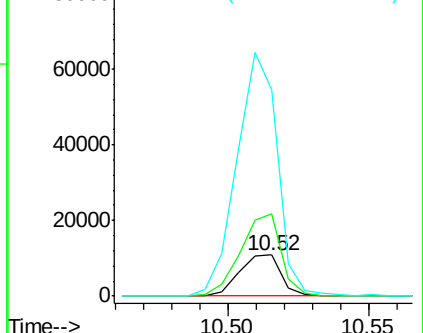
141 501.4 68.6 103.0#

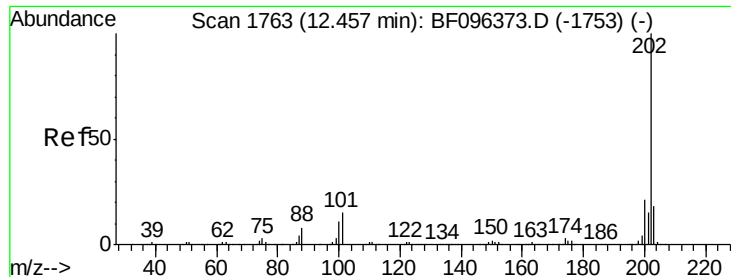


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.72 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF096572.D

Acq: 7 Jul 2017 21:20

Instrument :

BNA_F

ClientSampleId :

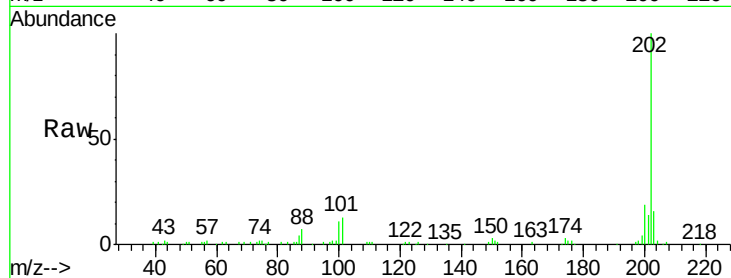
Tot Ion:202 Resp: 70255

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.2

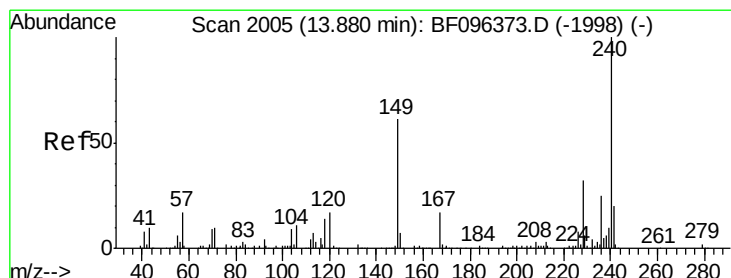
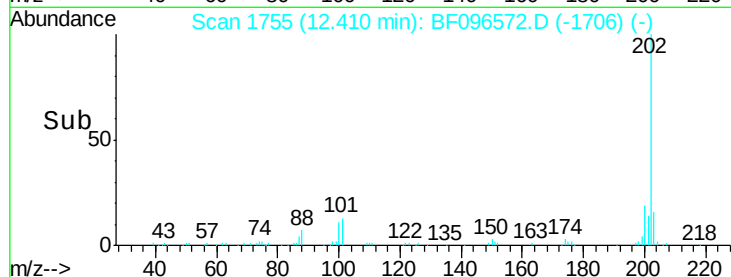
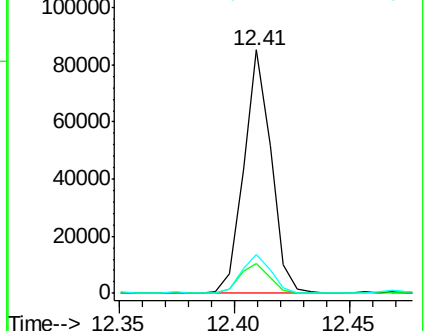
203 16.0 0.0 38.1



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: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF096572.D

Acq: 7 Jul 2017 21:20

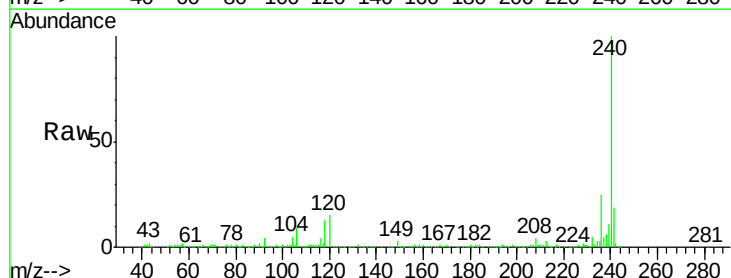
Tgt Ion:240 Resp: 228982

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

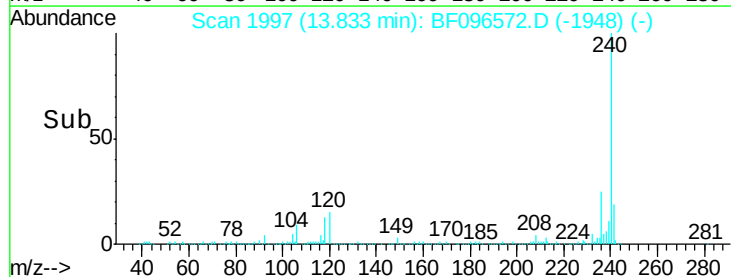
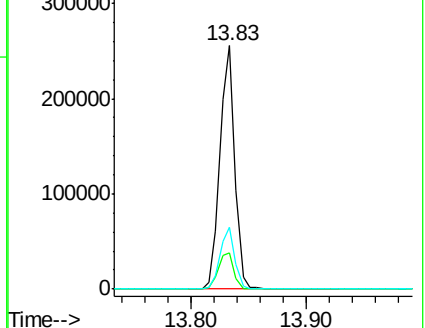
236 25.4 20.5 30.7

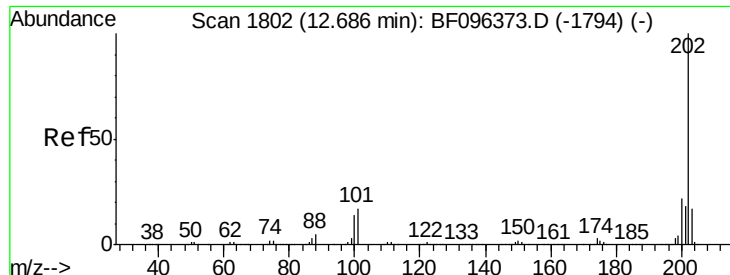


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

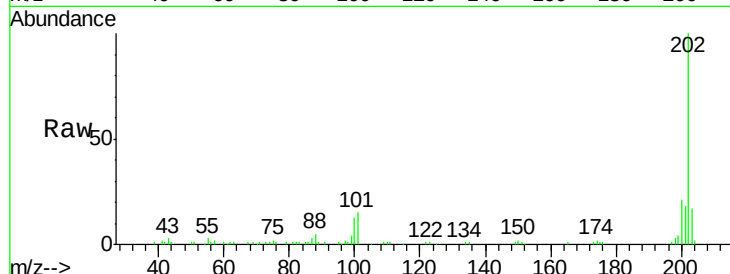




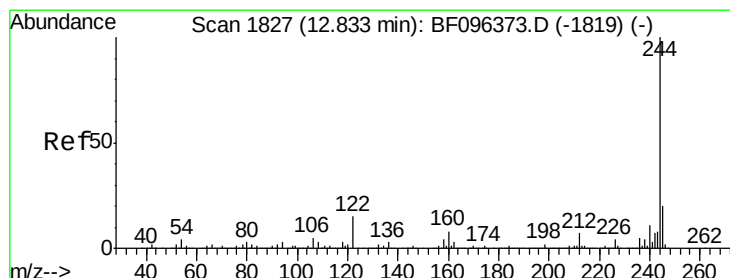
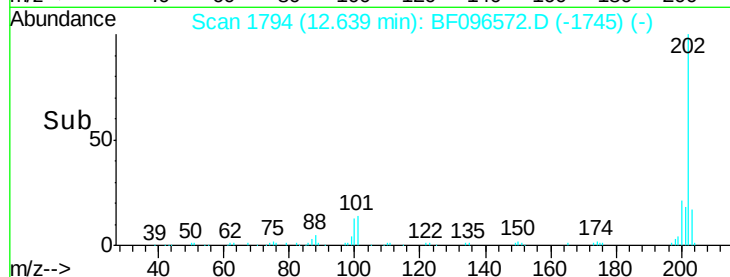
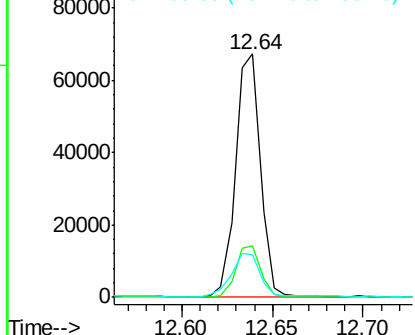
#77
Pvrene
Concen: 3.52 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 64712
Ion Ratio Lower Upper
202 100
200 21.2 17.6 26.4
203 17.5 14.4 21.6

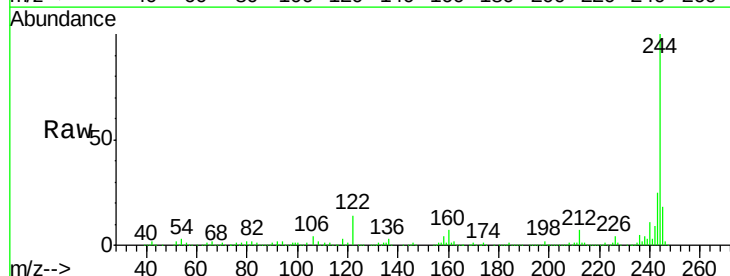


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

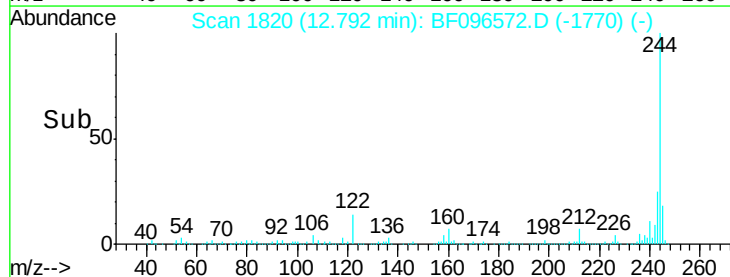
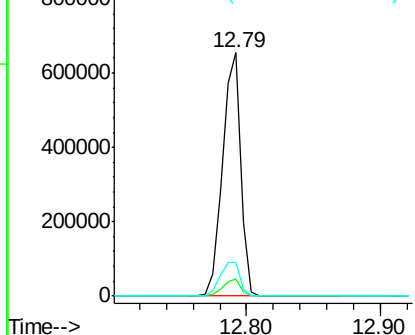


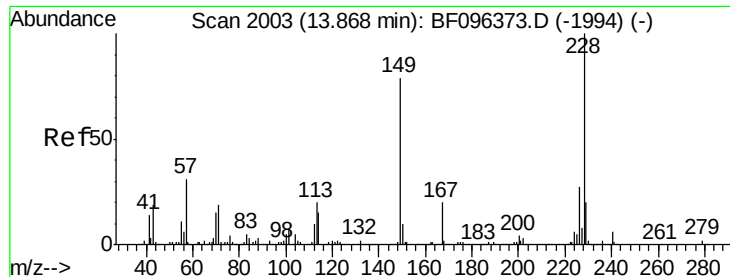
#78
Terphenyl-d14
Concen: 58.79 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:244 Resp: 630023
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 13.9 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: 2.21 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF096572.D

Acq: 7 Jul 2017 21:20

Instrument :

BNA_F

ClientSampleId :

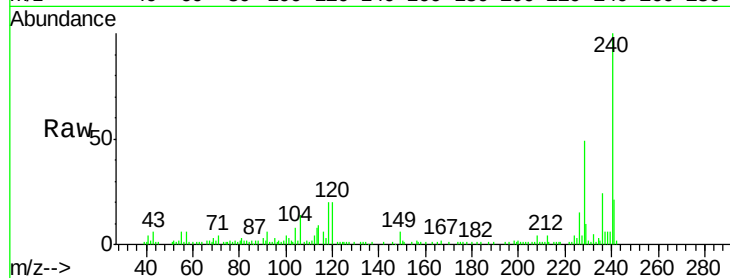
Tot Ion:228 Resp: 29278

Ion Ratio Lower Upper

228 100

226 31.3 22.6 33.8

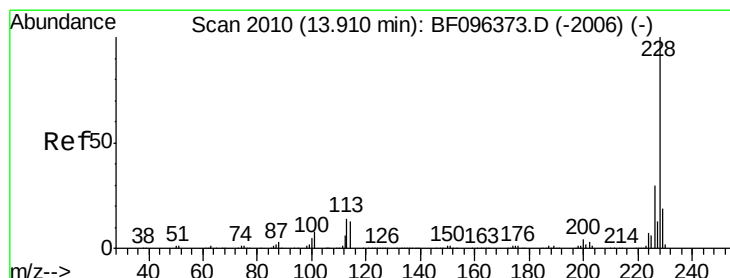
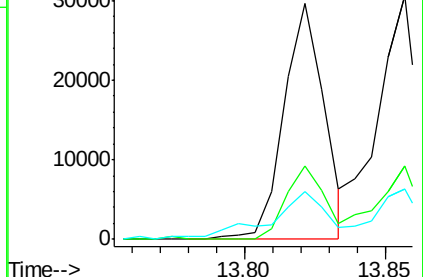
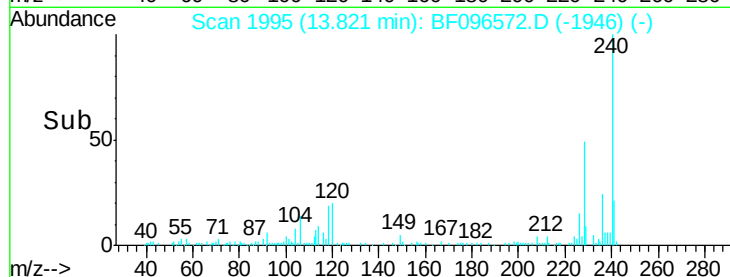
229 20.3 16.3 24.5



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: 2.08 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF096572.D

Acq: 7 Jul 2017 21:20

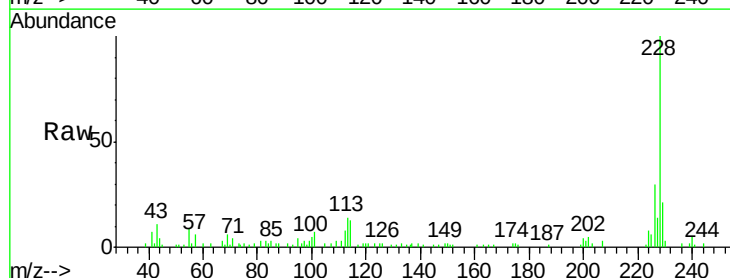
Tgt Ion:228 Resp: 28874

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

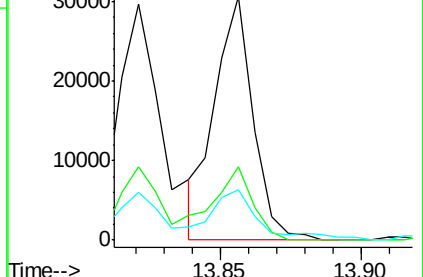
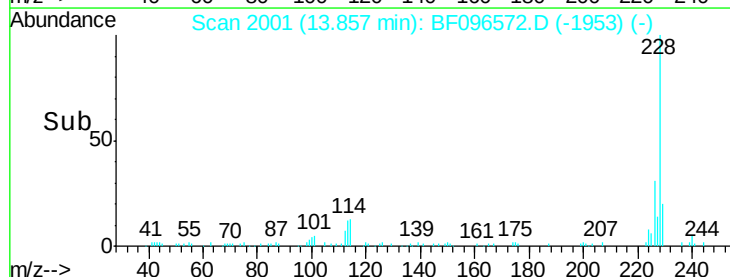
229 20.5 15.8 23.6

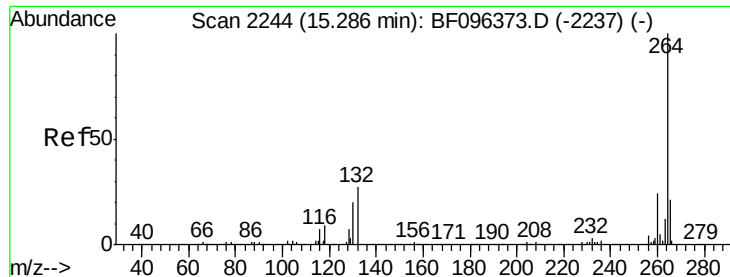


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

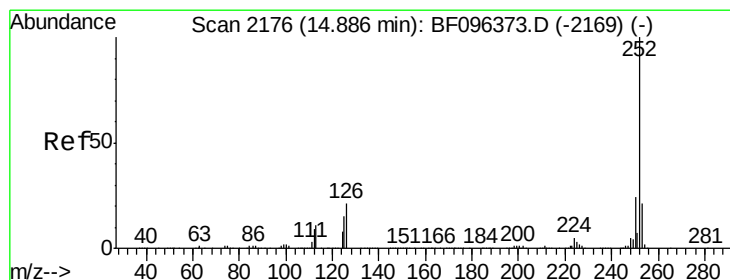
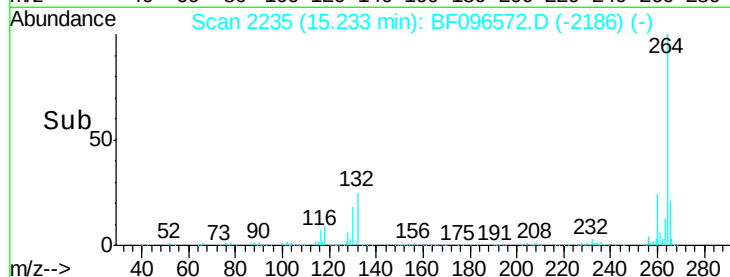
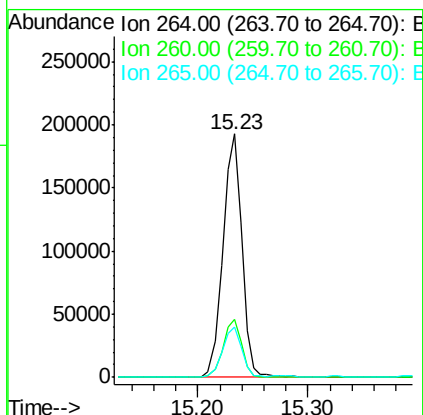
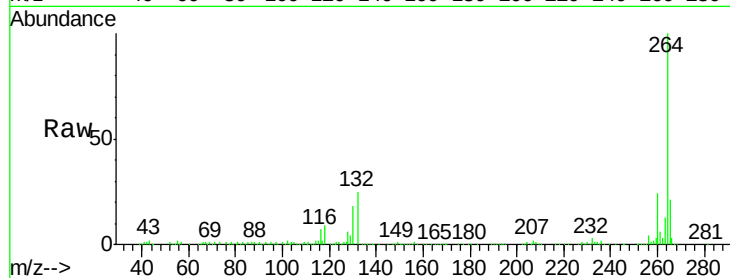




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

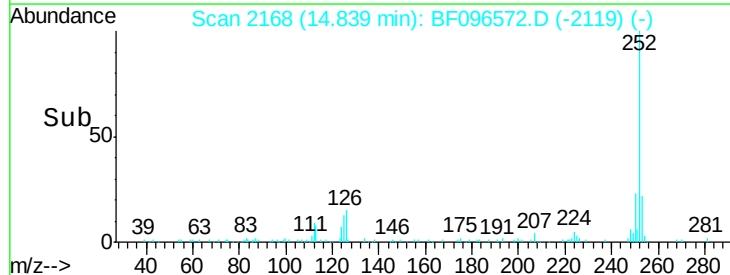
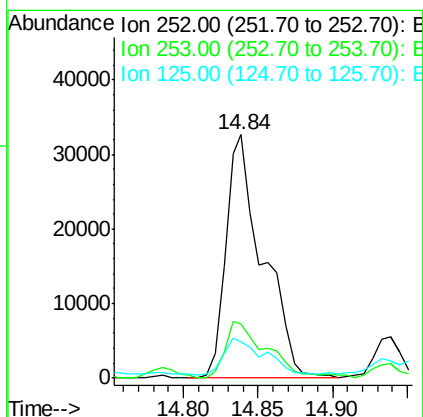
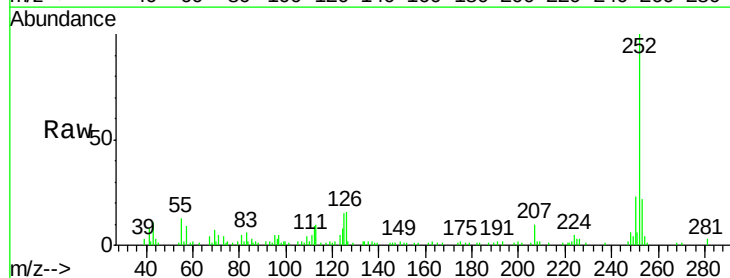
Instrument :
BNA_F
ClientSampled :

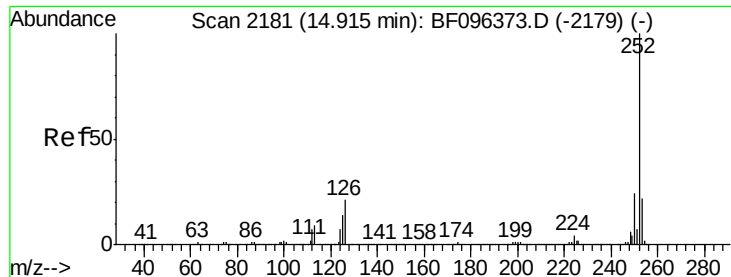
Tot Ion:264 Resp: 231985
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 20.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.87 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF096572.D
Acq: 7 Jul 2017 21:20

Tgt Ion:252 Resp: 56237
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 15.1 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 4.33 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF096572.D

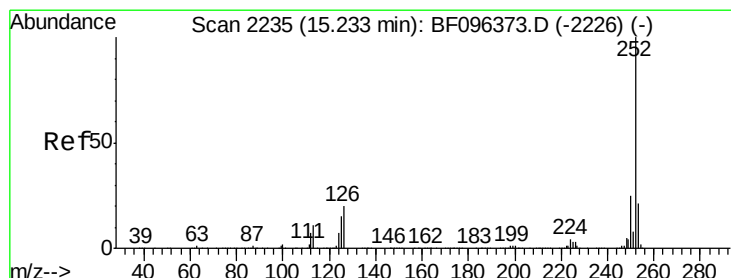
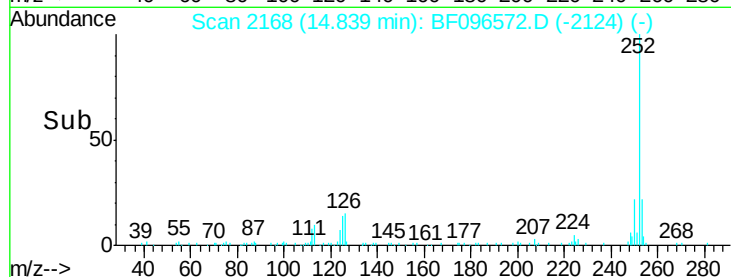
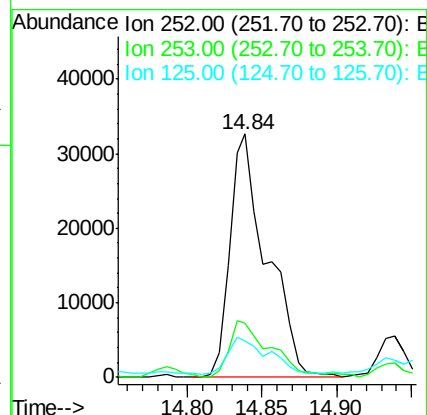
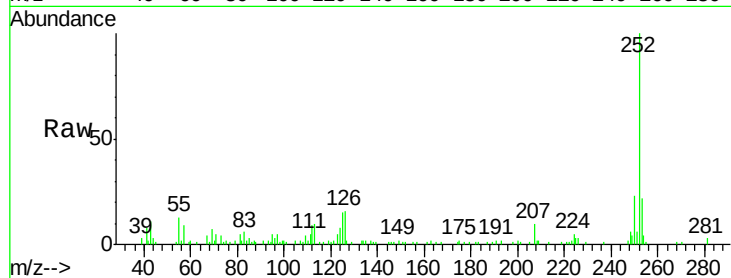
Acq: 7 Jul 2017 21:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	56237
Ion Ratio	Lower	Upper
252	100	
253	22.1	18.4 27.6
125	15.1	13.1 19.7



#89

Benzo(a)pyrene

Concen: 2.39 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.02 min

Lab File: BF096572.D

Acq: 7 Jul 2017 21:20

Tgt Ion:252	Resp:	30980
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.5 26.3
125	17.3	11.0 16.4#

