

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096488.D
 Acq On : 5 Jul 2017 17:10
 Operator : SJ/MA
 Sample : I3871-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 01:40:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

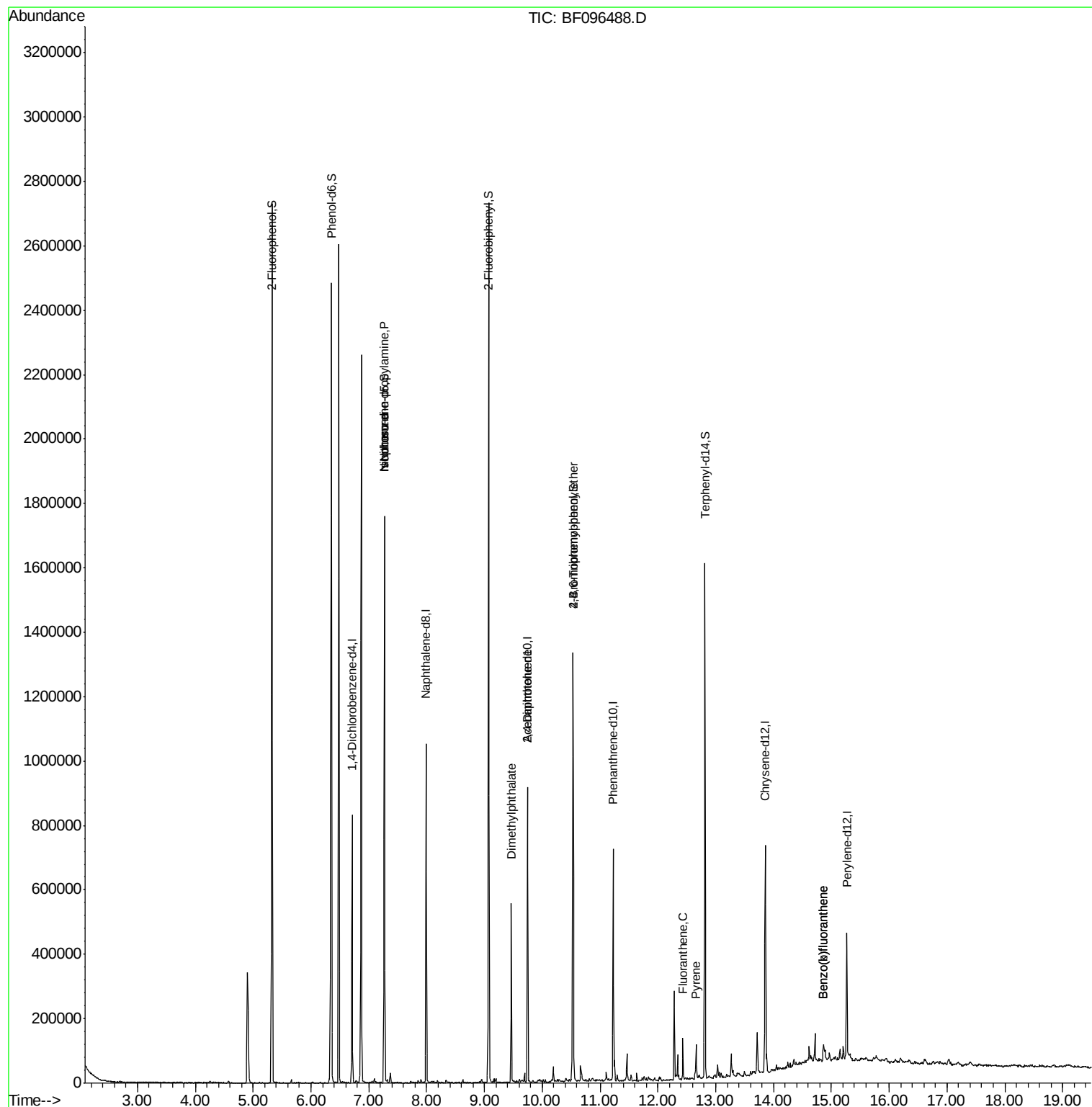
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	104389	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	433016	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	171214	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	246244	20.00	ng	0.00
75) Chrysene-d12	13.86	240	206552	20.00	ng	-0.01
86) Perylene-d12	15.27	264	163294	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	768296	108.63	ng	0.00
7) Phenol-d6	6.35	99	935473	107.59	ng	0.00
23) Nitrobenzene-d5	7.27	82	523357	72.63	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	149019	111.43	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	833636	83.25	ng	0.00
78) Terphenyl-d14	12.82	244	494573	51.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	68558	13.24	ng	# 88
25) Isophorone	7.27	82	522905	37.43	ng	# 67
49) Dimethylphthalate	9.46	163	215904	16.89	ng	98
56) 2,4-Dinitrotoluene	9.75	165	21799	6.09	ng	# 33
66) 4-Bromophenyl-phenylether	10.53	248	9454	3.94	ng	# 1
74) Fluoranthene	12.43	202	41634	3.19	ng	98
77) Pyrene	12.66	202	40237	2.43	ng	98
87) Benzo(b)fluoranthene	14.87	252	31385	3.07	ng	# 93
88) Benzo(k)fluoranthene	14.87	252	31385	3.43	ng	98

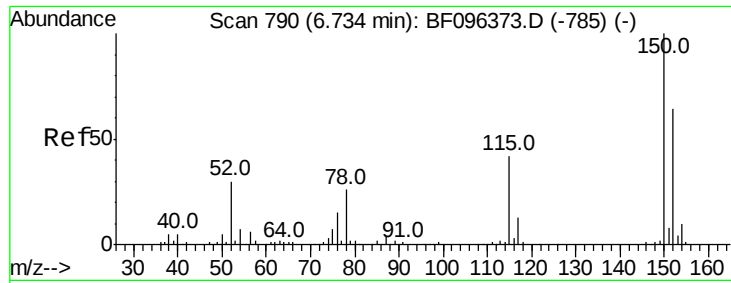
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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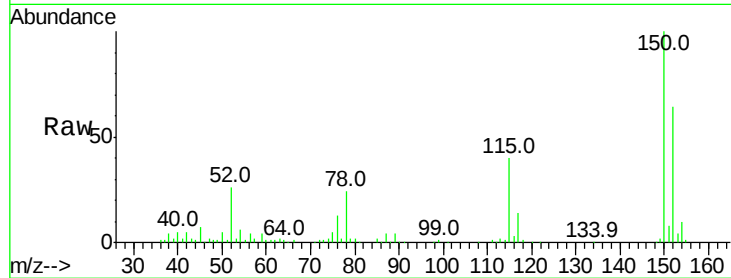


#1

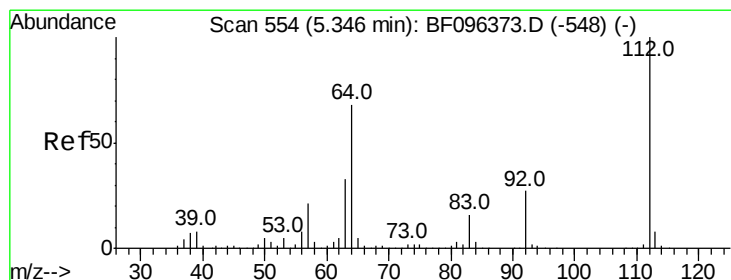
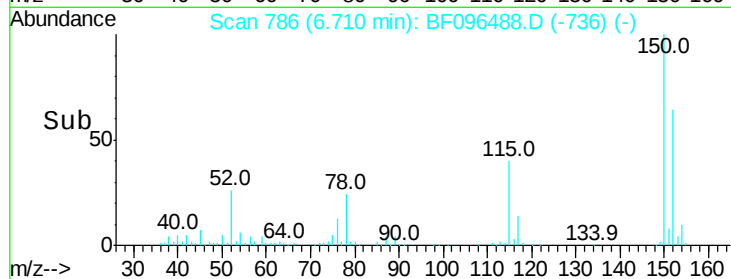
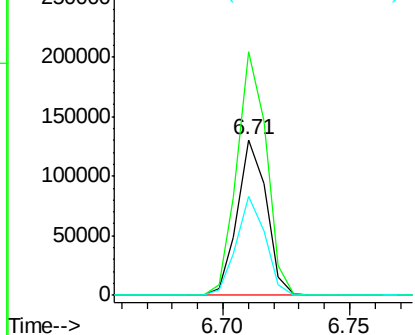
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF096488.D
Acq: 5 Jul 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 104389
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 63.4 52.2 78.2



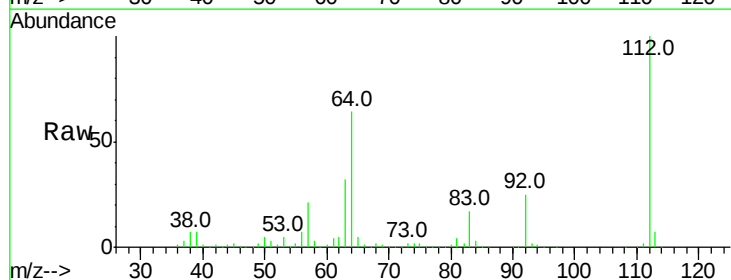
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



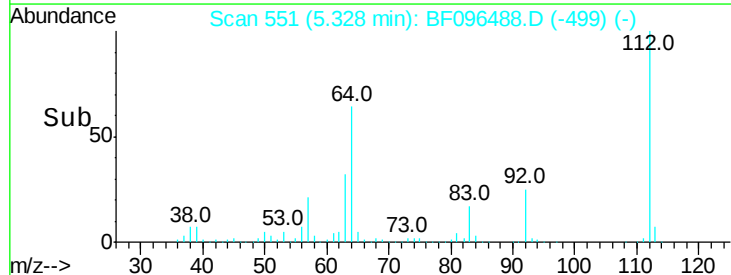
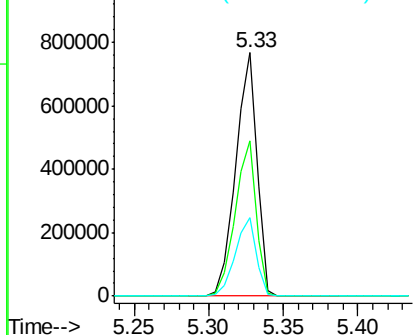
#5

2-Fluorophenol
Concen: 108.63 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096488.D
Acq: 5 Jul 2017 17:10

Tgt Ion:112 Resp: 768296
Ion Ratio Lower Upper
112 100
64 63.8 46.0 69.0
63 32.5 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: 107.59 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096488.D

Acq: 5 Jul 2017 17:10

Instrument :

BNA_F

ClientSampleId :

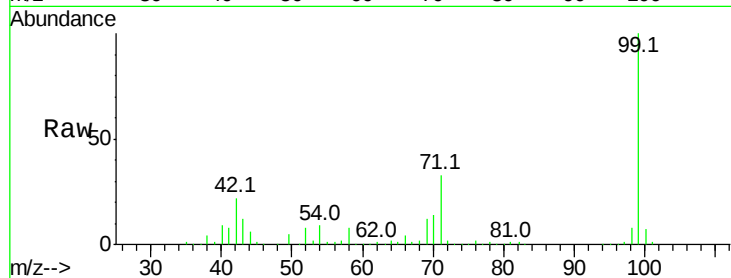
Tot Ion: 99 Resp: 935473

Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

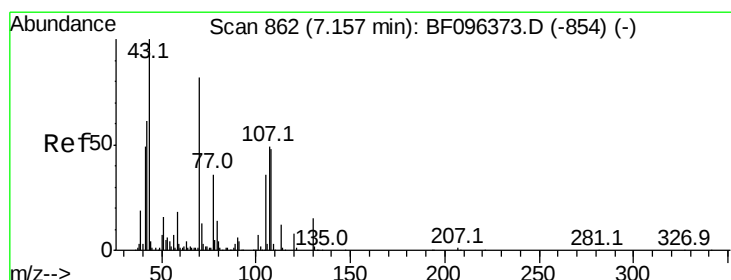
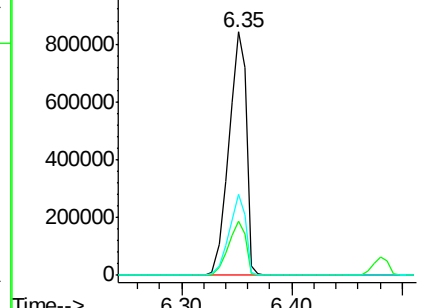
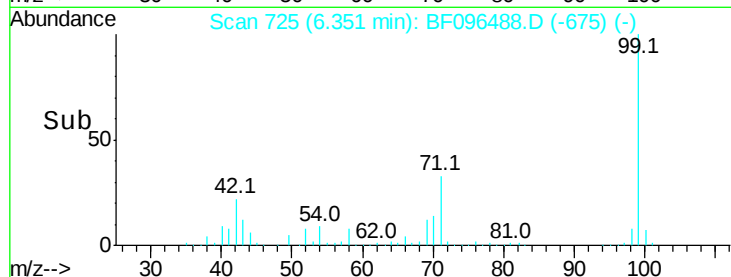
71 33.2 24.5 36.7



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: 13.24 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF096488.D

Acq: 5 Jul 2017 17:10

Tgt Ion: 70 Resp: 68558

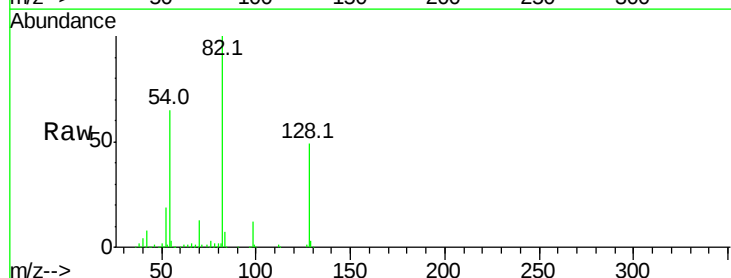
Ion Ratio Lower Upper

70 100

42 58.1 47.2 70.8

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

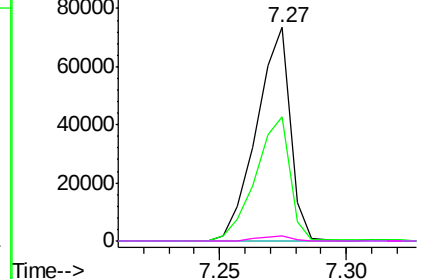
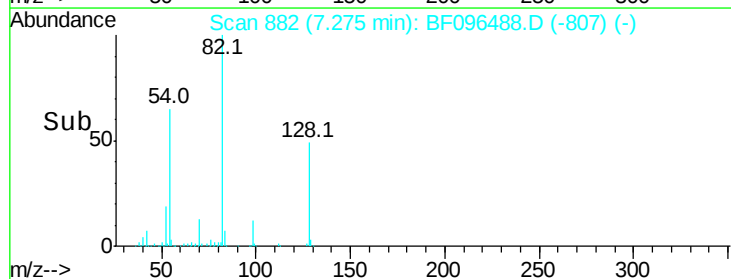


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF096488.D

Acq: 5 Jul 2017 17:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 433016

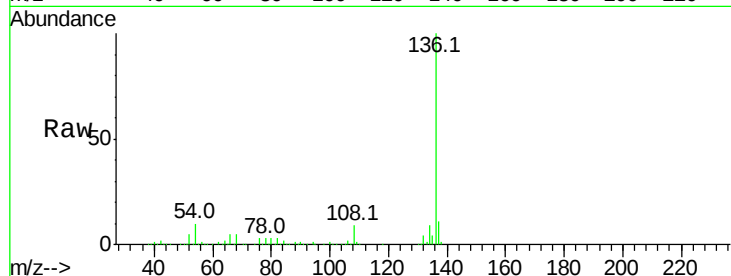
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 9.9 4.9 7.3#

68 5.0 4.1 6.1

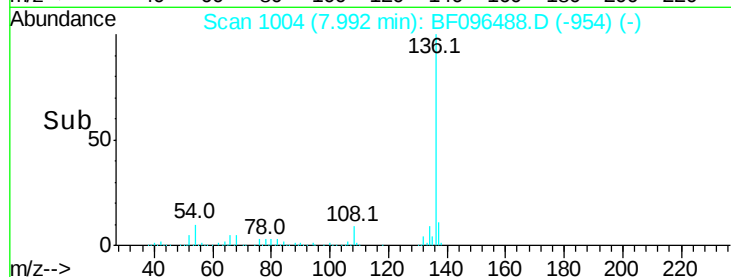


Abundance Ion 136.00 (135.70 to 136.70): E

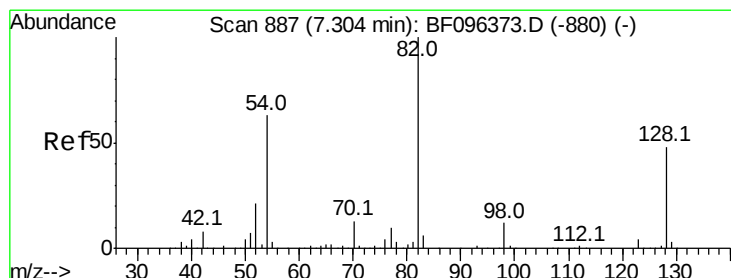
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.90 8.00 8.10



#23

Nitrobenzene-d5

Concen: 72.63 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF096488.D

Acq: 5 Jul 2017 17:10

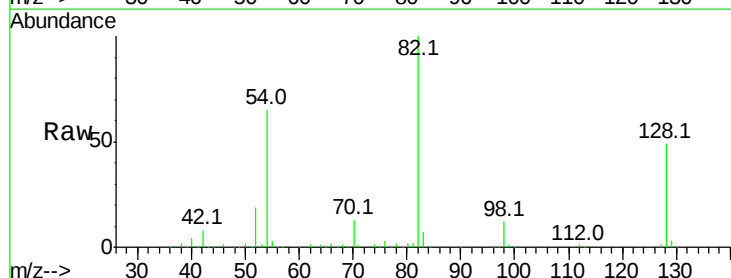
Tgt Ion: 82 Resp: 523357

Ion Ratio Lower Upper

82 100

128 49.2 34.0 51.0

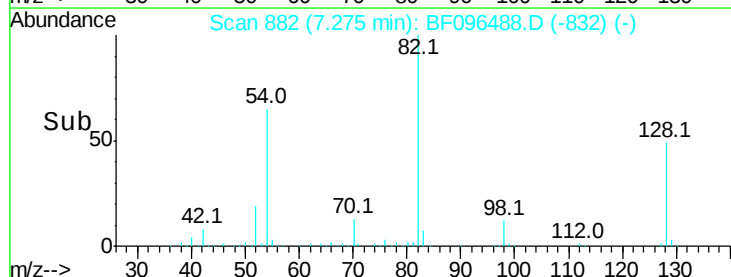
54 64.6 42.2 63.2#



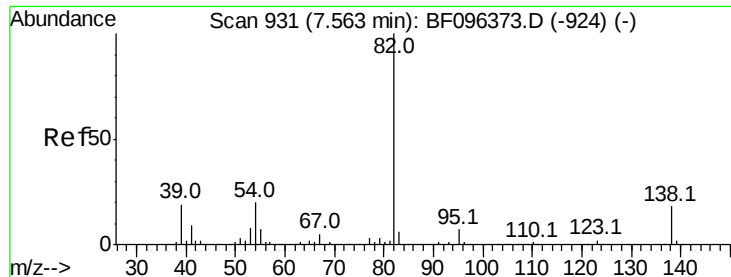
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.20 7.25 7.30 7.35



#25

Isophorone

Concen: 37.43 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF096488.D

Acq: 5 Jul 2017 17:10

Instrument :
BNA_F
ClientSampleId :

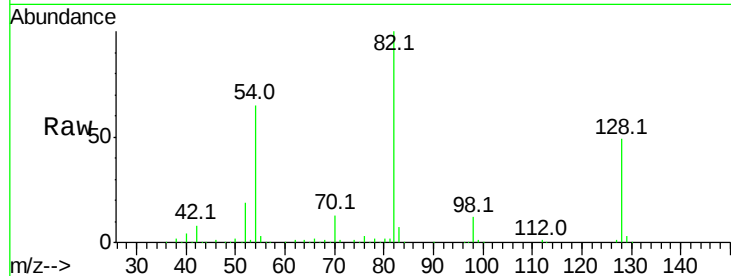
Tot Ion: 82 Resp: 522905

Ion Ratio Lower Upper

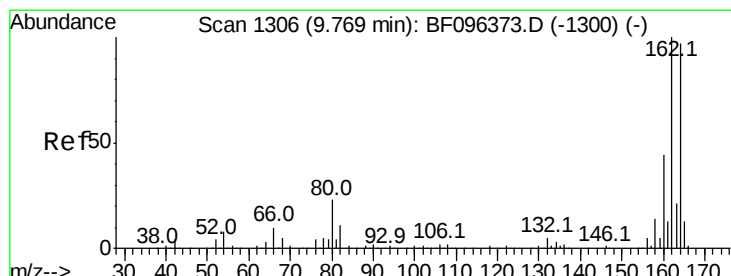
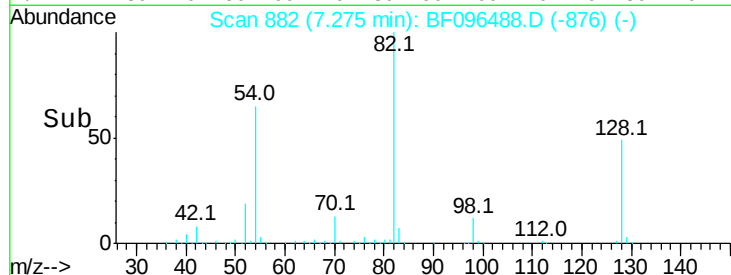
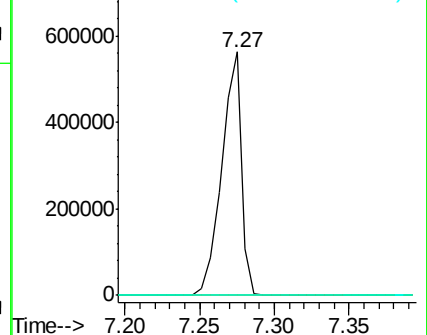
82 100

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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096488.D

Acq: 5 Jul 2017 17:10

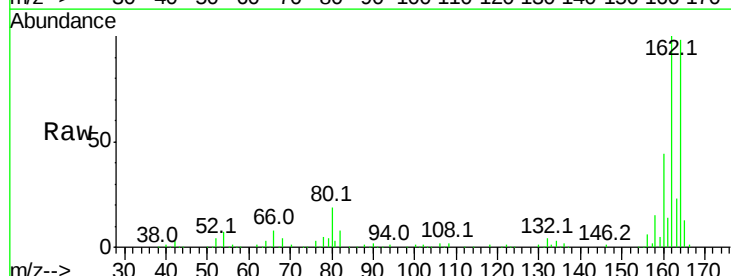
Tgt Ion:164 Resp: 171214

Ion Ratio Lower Upper

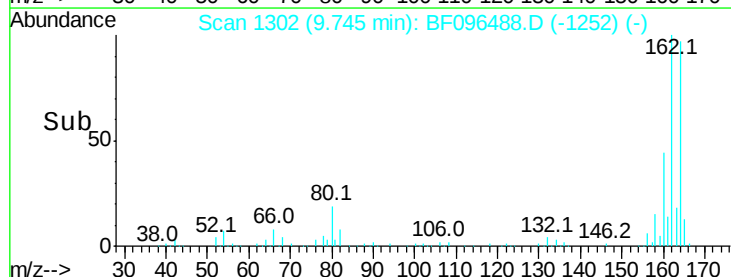
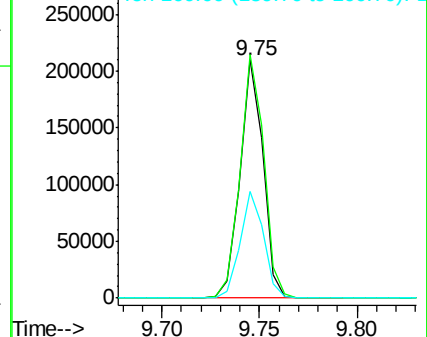
164 100

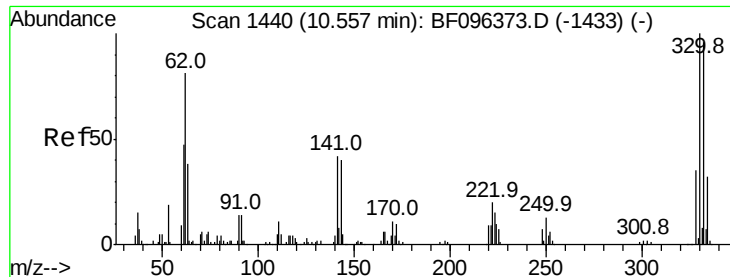
162 102.3 82.6 123.8

160 44.7 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

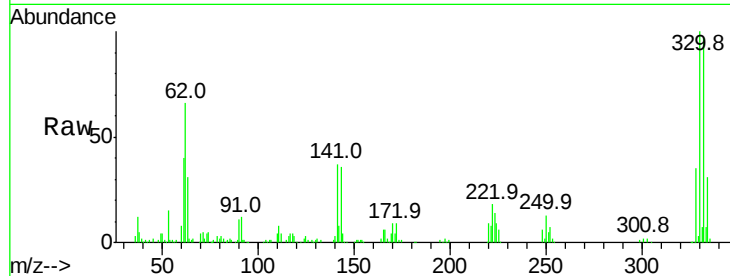




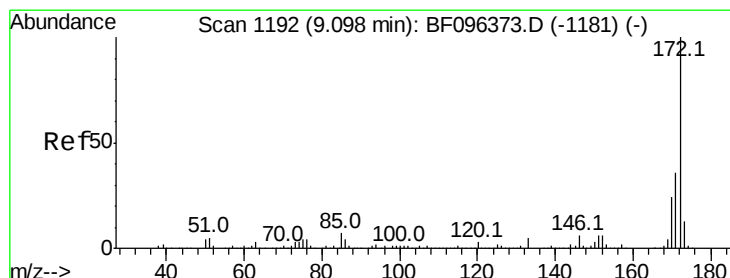
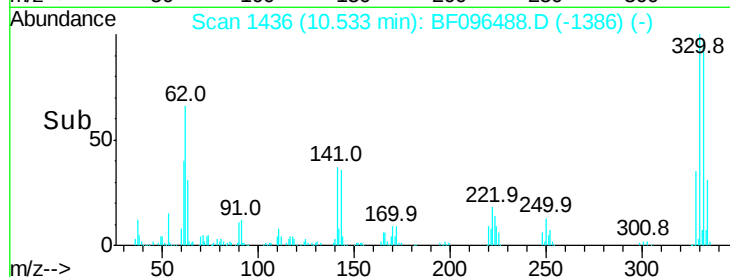
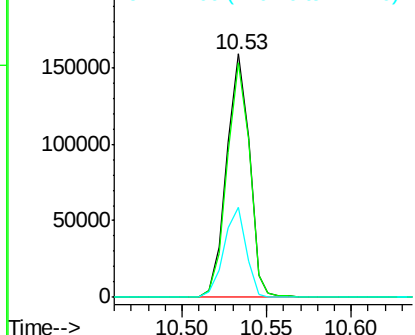
#41
 2,4,6-Tribromophenol
 Concen: 111.43 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096488.D
 Acq: 5 Jul 2017 17:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 149019
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 36.4 31.4 47.2

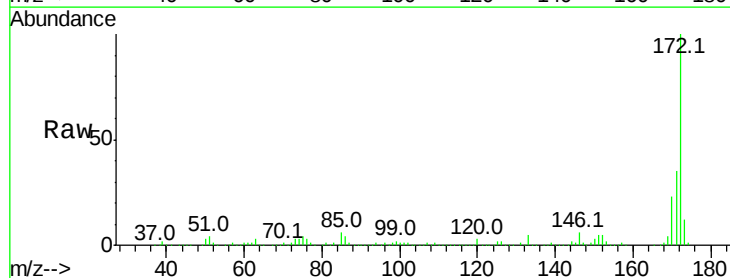


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

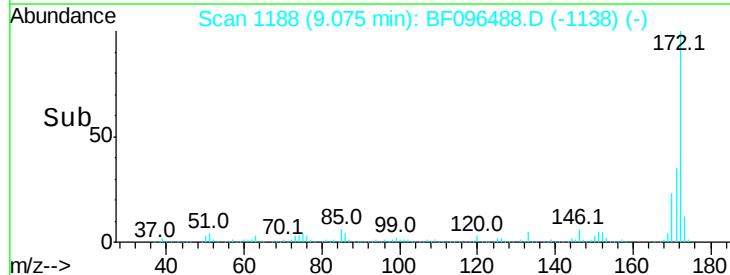
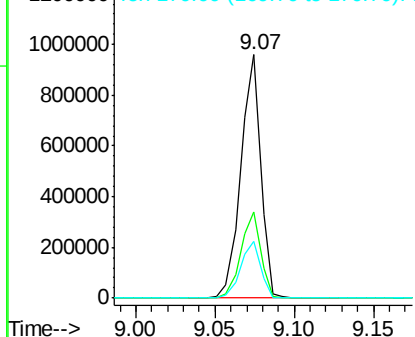


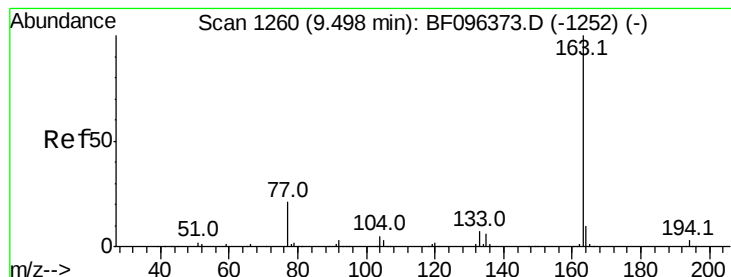
#44
 2-Fluorobiphenyl
 Concen: 83.25 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096488.D
 Acq: 5 Jul 2017 17:10

Tgt Ion:172 Resp: 833636
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 23.2 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: 16.89 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF096488.D

Acq: 5 Jul 2017 17:10

Instrument :

BNA_F

ClientSampleId :

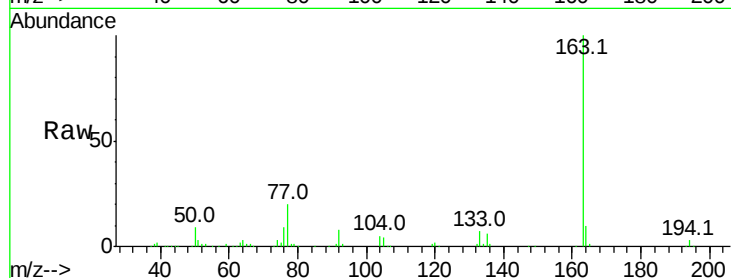
Tot Ion:163 Resp: 215904

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

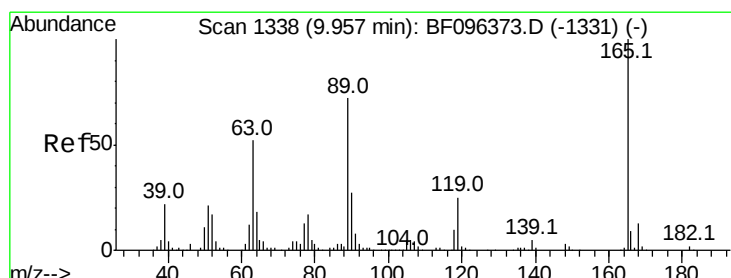
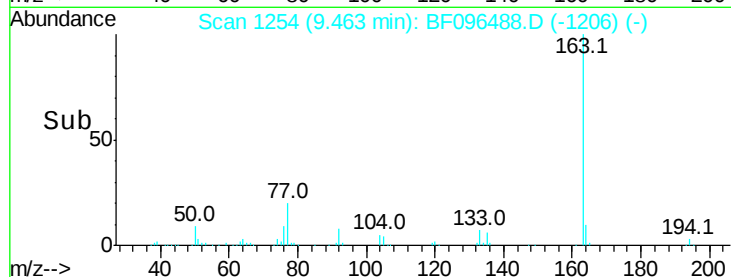
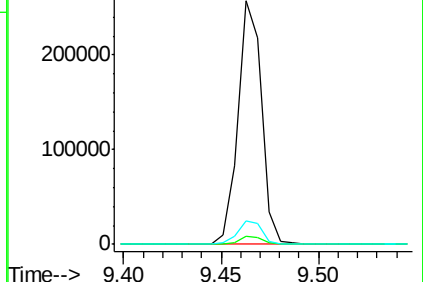
164 9.8 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 6.09 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.19 min

Lab File: BF096488.D

Acq: 5 Jul 2017 17:10

Tgt Ion:165 Resp: 21799

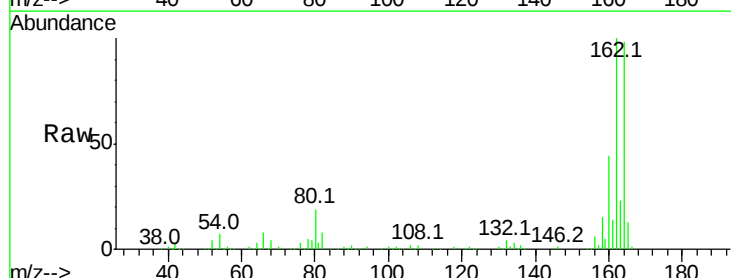
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

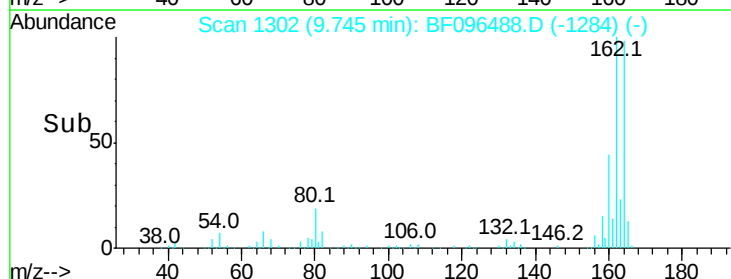
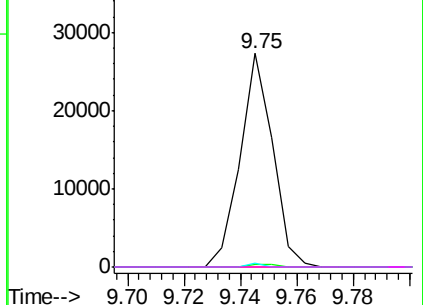


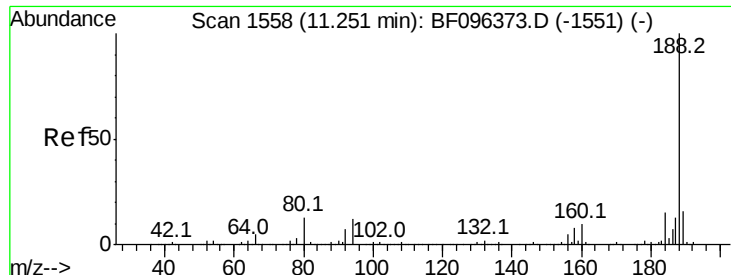
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

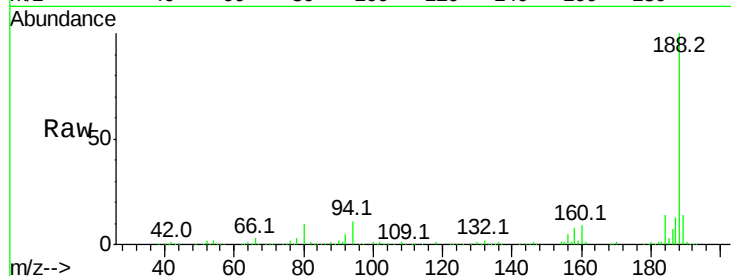




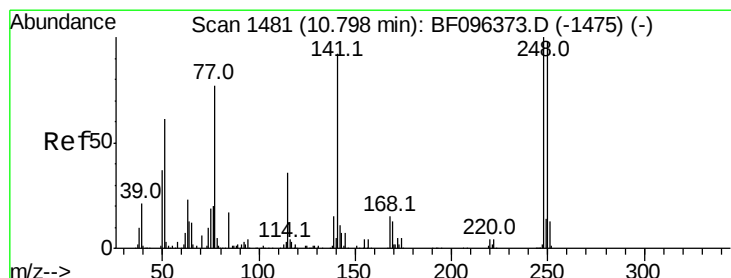
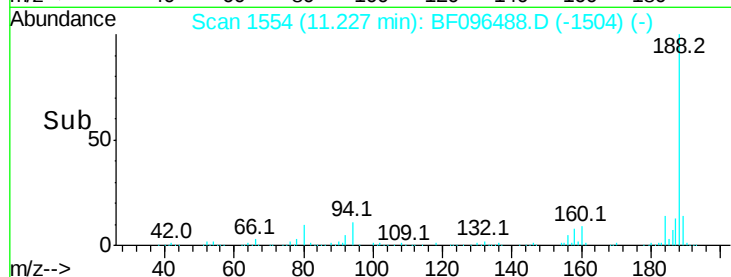
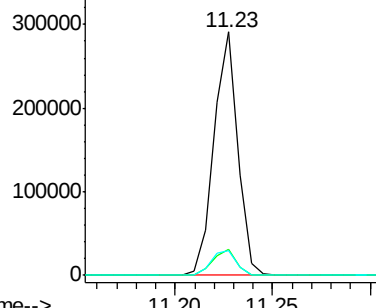
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096488.D
Acq: 5 Jul 2017 17:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 246244
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 10.1 10.2 15.2#

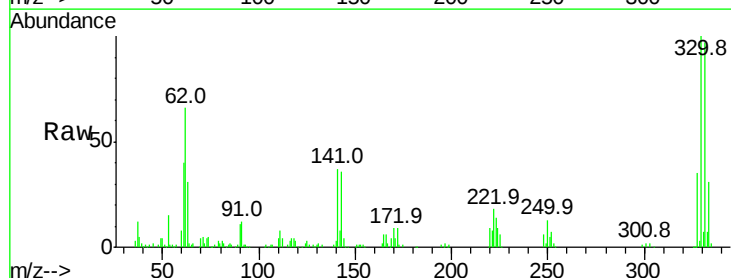


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

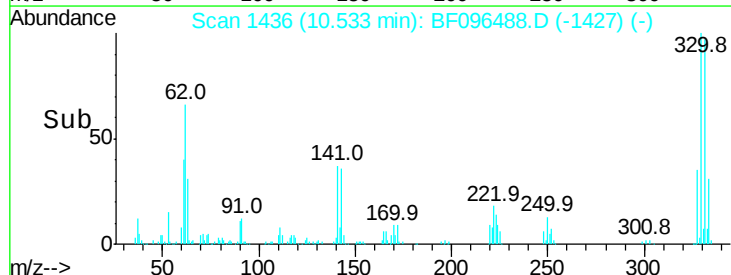
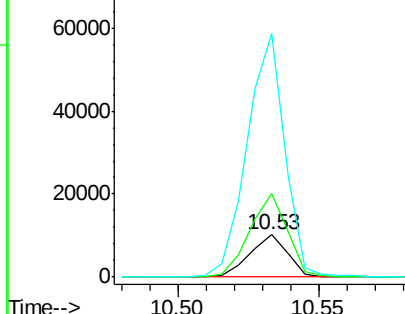


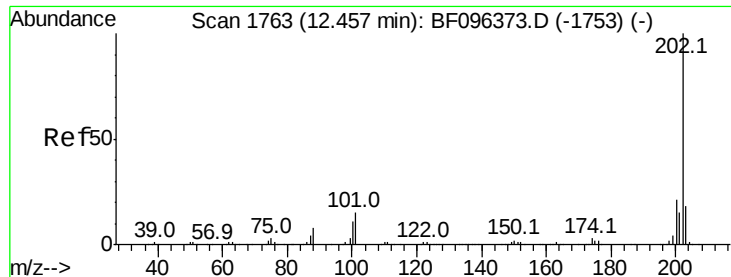
#66
4-Bromophenyl-phenylether
Concen: 3.94 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF096488.D
Acq: 5 Jul 2017 17:10

Tgt Ion:248 Resp: 9454
Ion Ratio Lower Upper
248 100
250 196.8 76.8 115.2#
141 577.1 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

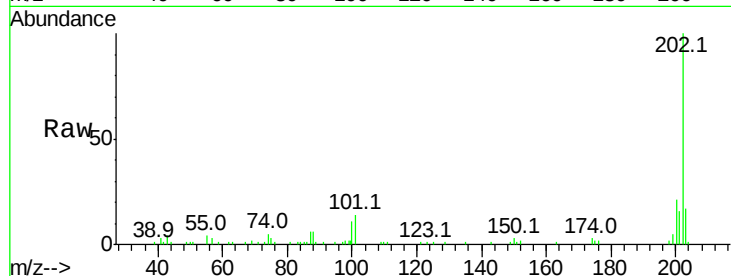




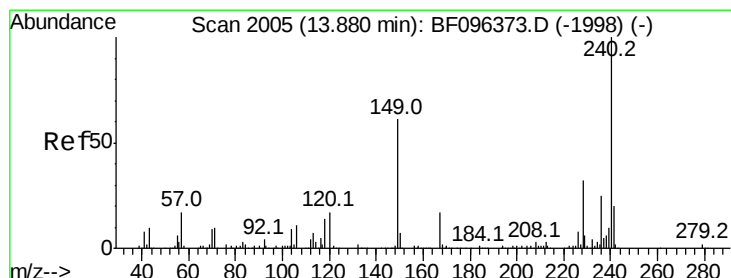
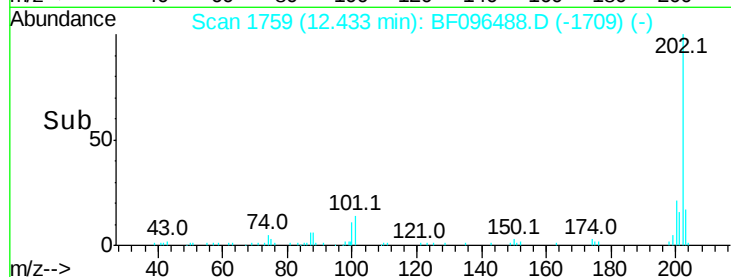
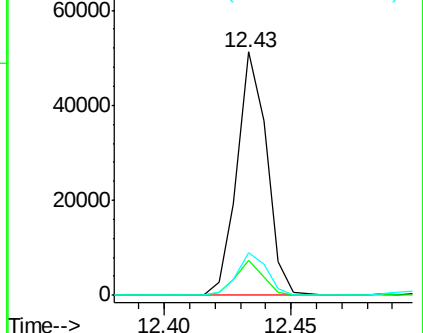
#74
 Fluoranthene
 Concen: 3.19 ng
 RT: 12.43 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BF096488.D
 Acq: 5 Jul 2017 17:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 41634
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 33.2
 203 17.4 0.0 38.1

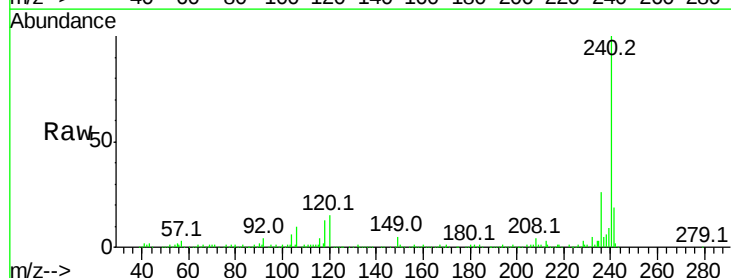


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

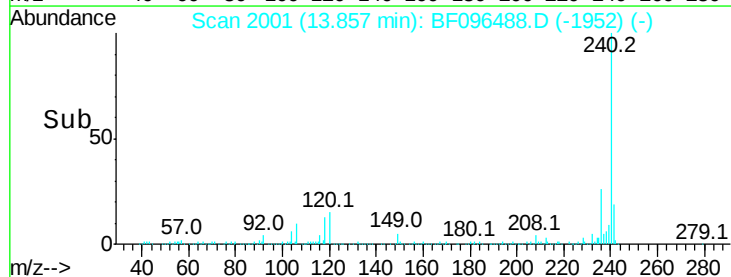
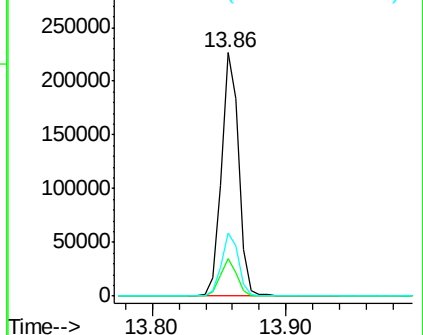


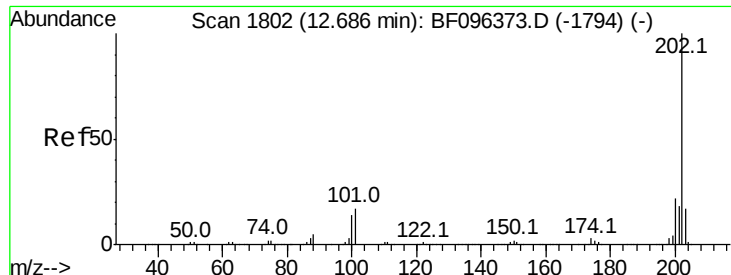
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF096488.D
 Acq: 5 Jul 2017 17:10

Tgt Ion:240 Resp: 206552
 Ion Ratio Lower Upper
 240 100
 120 15.2 5.8 8.8#
 236 26.1 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

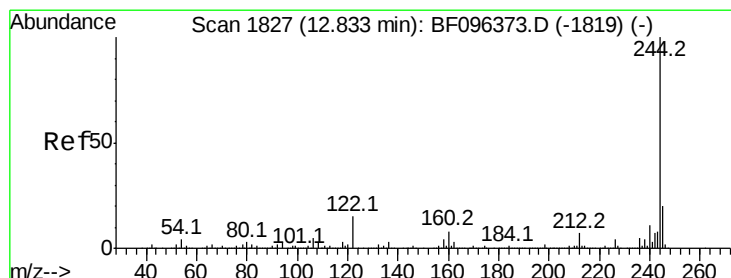
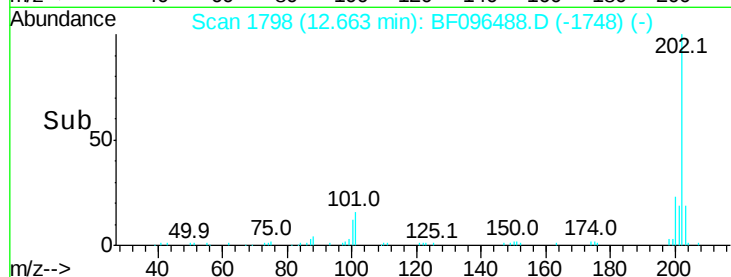
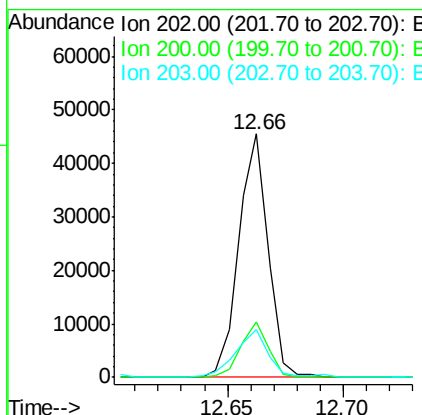
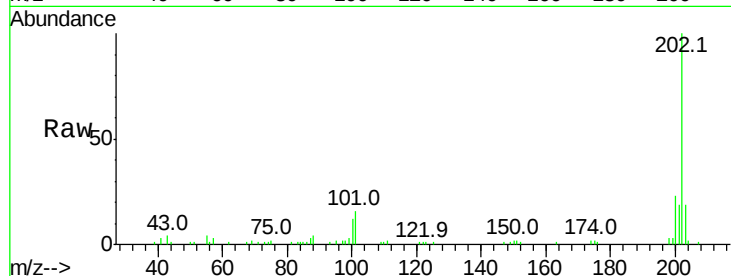




#77
 Pvrene
 Concen: 2.43 ng
 RT: 12.66 min Scan# 1798
 Delta R.T. -0.01 min
 Lab File: BF096488.D
 Acq: 5 Jul 2017 17:10

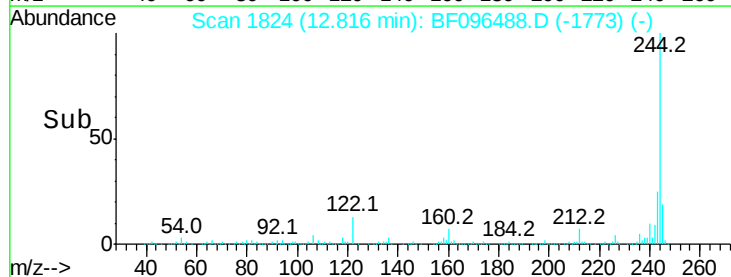
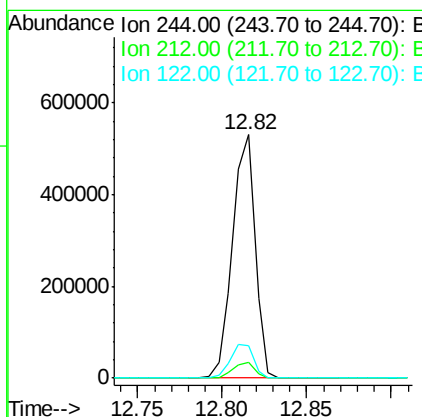
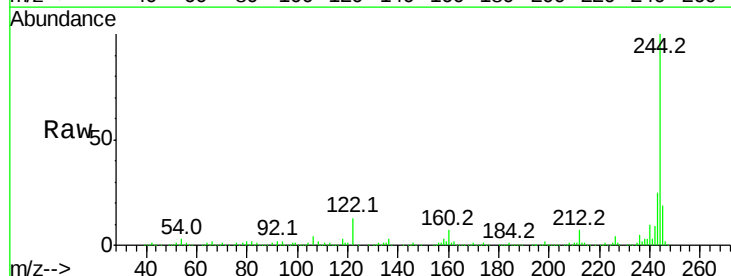
Instrument :
 BNA_F
 ClientSampleId :

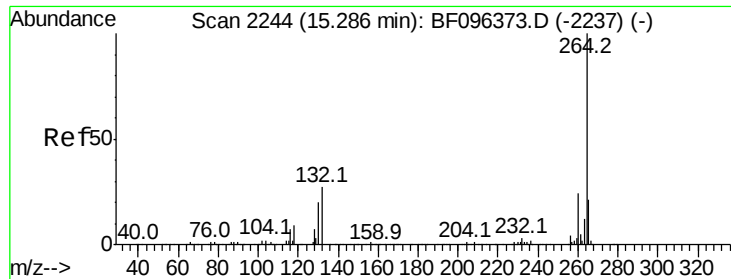
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.6	26.4
203	19.4	14.4	21.6



#78
 Terphenyl-d14
 Concen: 51.16 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096488.D
 Acq: 5 Jul 2017 17:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.1	10.3	15.5

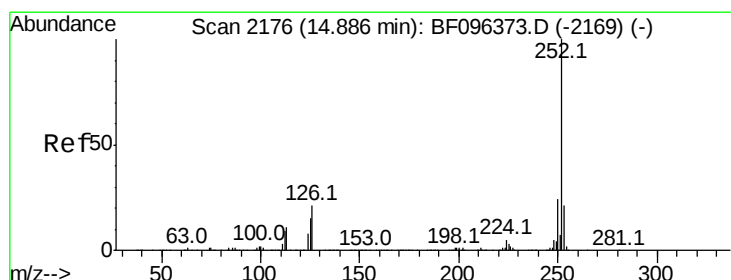
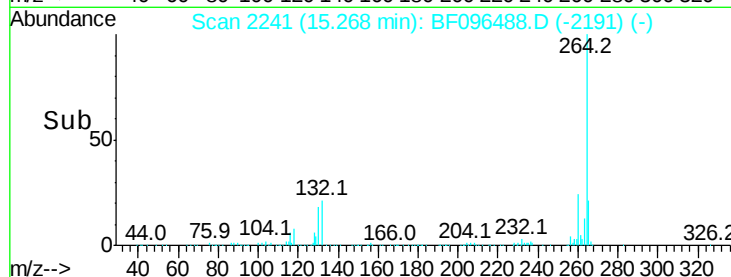
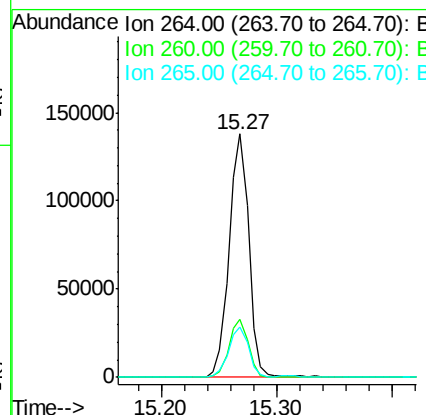
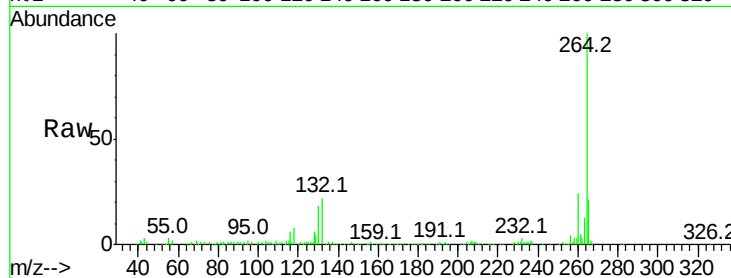




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF096488.D
Acq: 5 Jul 2017 17:10

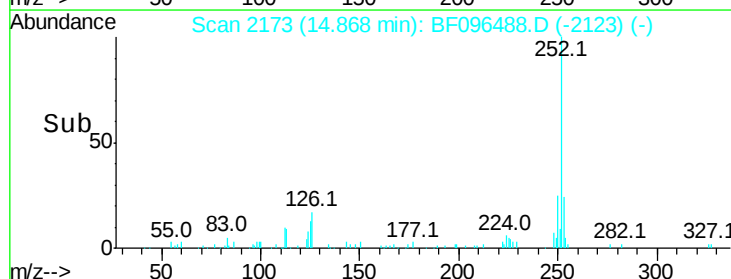
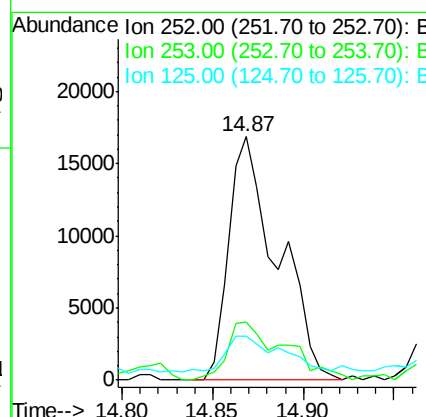
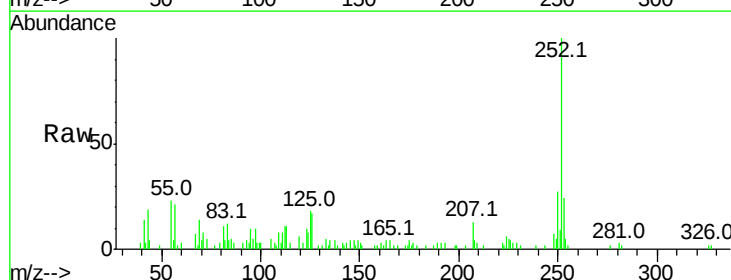
Instrument :
BNA_F
ClientSampleId :

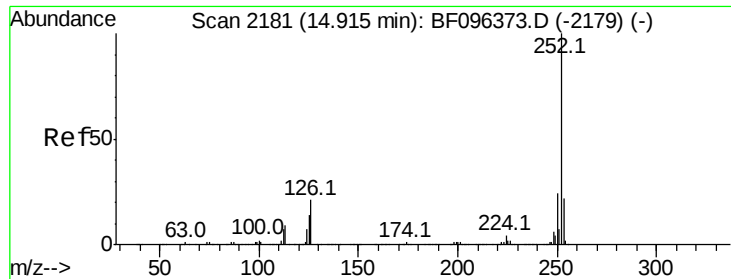
Tot Ion:264 Resp: 163294
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 20.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.07 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096488.D
Acq: 5 Jul 2017 17:10

Tgt Ion:252 Resp: 31385
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 17.9 9.8 14.8#





#88
 Benzo(k)fluoranthene
 Concen: 3.43 ng
 RT: 14.87 min Scan# 2173
 Delta R.T. -0.04 min
 Lab File: BF096488.D
 Acq: 5 Jul 2017 17:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	17.9	13.1	19.7

