

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096492.D
 Acq On : 5 Jul 2017 19:00
 Operator : SJ/MA
 Sample : I4052-04 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 01:41:38 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	119404	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	487764	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	201523	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	282431	20.00	ng	0.00
75) Chrysene-d12	13.86	240	214577	20.00	ng	-0.01
86) Perylene-d12	15.27	264	183720	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	189452	23.42	ng	0.00
7) Phenol-d6	6.34	99	225973	22.72	ng	-0.02
23) Nitrobenzene-d5	7.26	82	123318	15.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	32267	20.50	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	251379	21.33	ng	-0.01
78) Terphenyl-d14	12.81	244	133779	13.32	ng	0.00

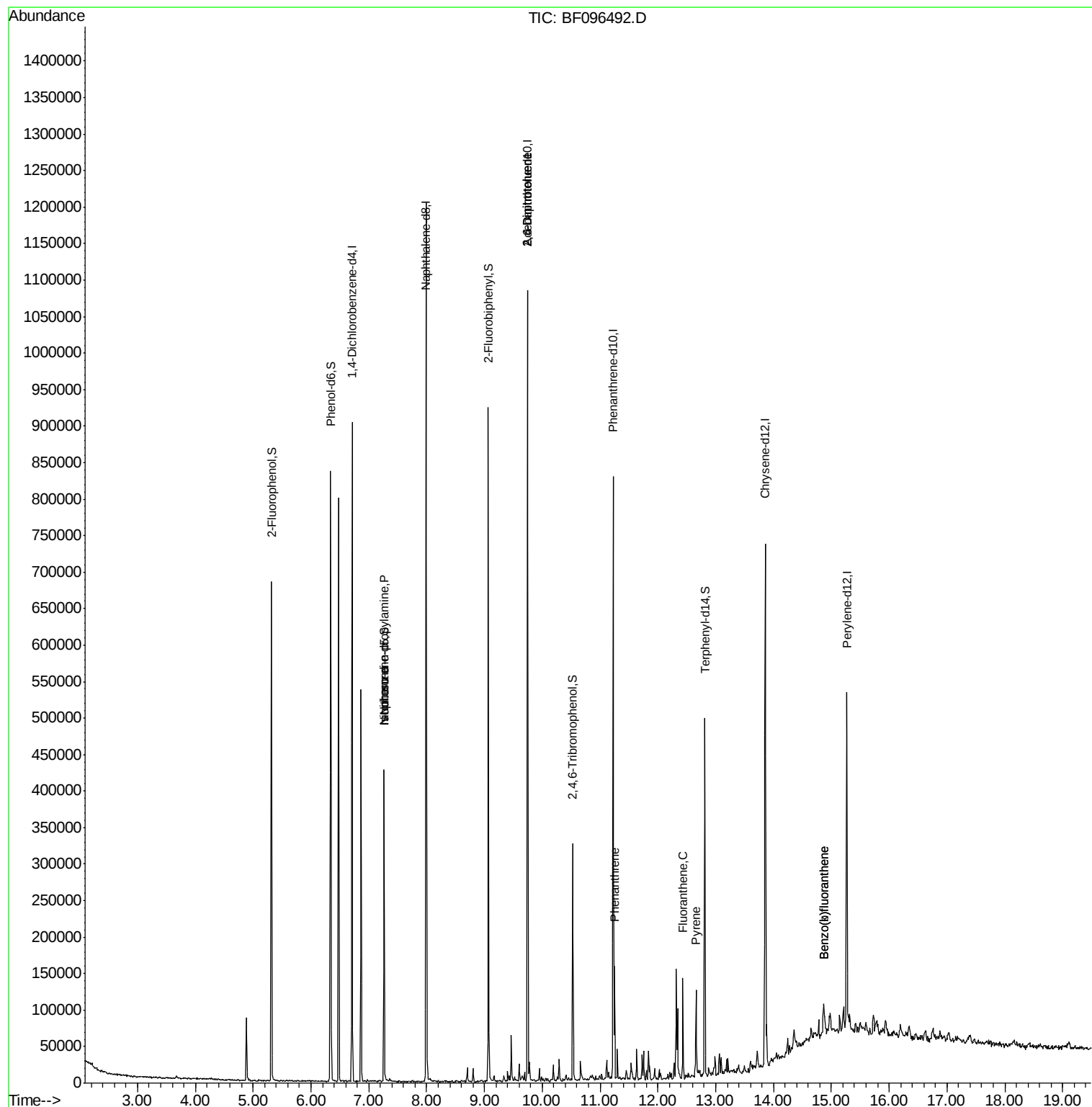
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	15425	2.60	ng	# 83
25) Isophorone	7.26	82	123176	7.83	ng	# 67
50) 2,6-Dinitrotoluene	9.75	165	25671	7.72	ng	# 34
56) 2,4-Dinitrotoluene	9.75	165	25671	6.09	ng	# 33
70) Phenanthrene	11.25	178	57592	3.77	ng	97
74) Fluoranthene	12.43	202	47883	3.20	ng	97
77) Pyrene	12.66	202	49413	2.87	ng	98
87) Benzo(b)fluoranthene	14.87	252	24733	2.15	ng	# 93
88) Benzo(k)fluoranthene	14.87	252	24733	2.40	ng	98

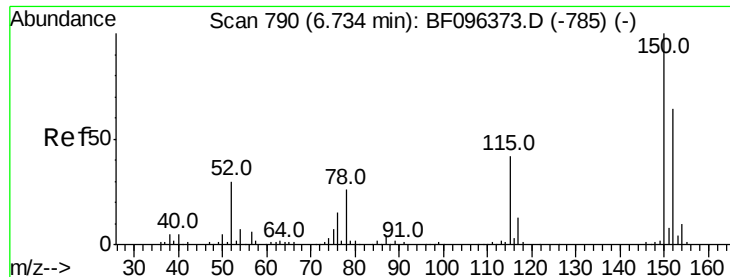
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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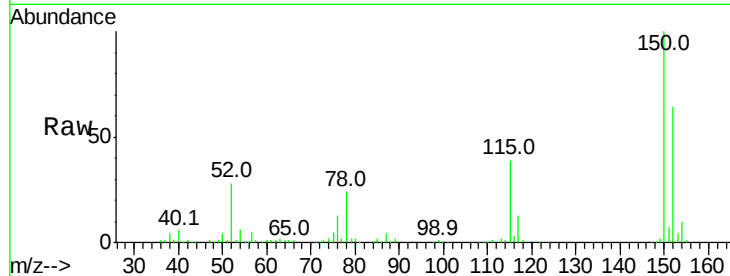


#1

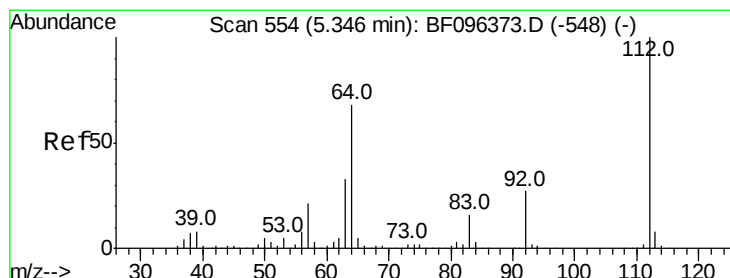
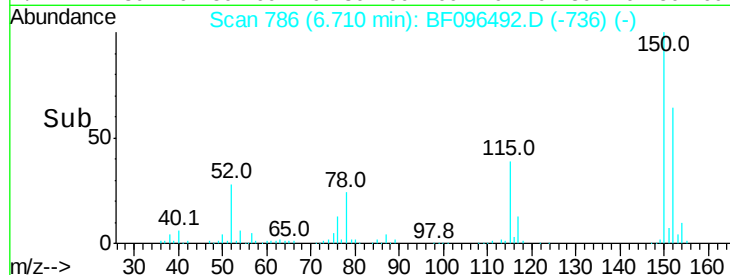
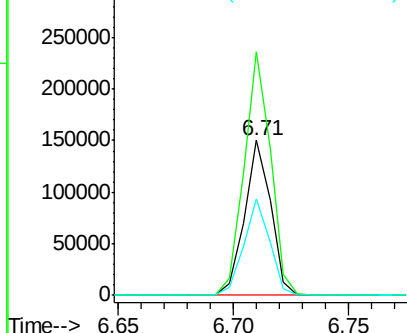
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF096492.D
Acq: 5 Jul 2017 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119404
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.2
115 61.8 52.2 78.2



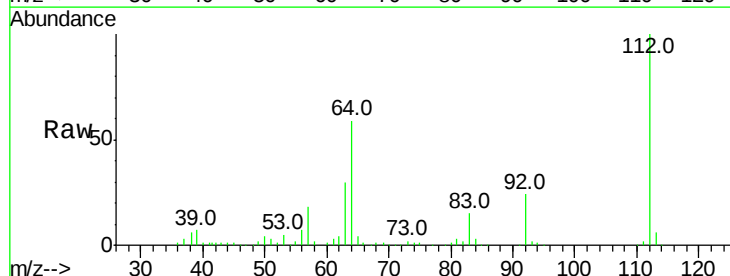
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



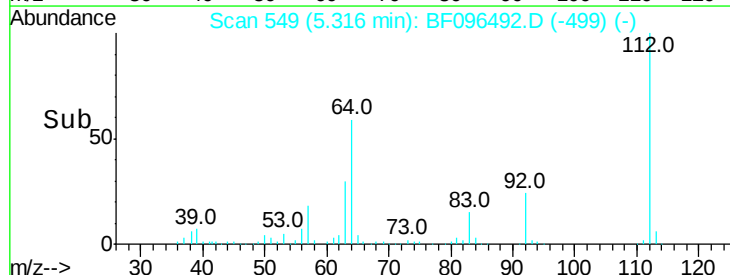
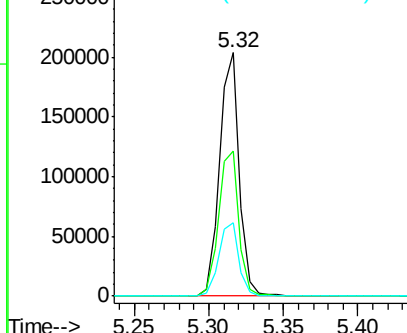
#5

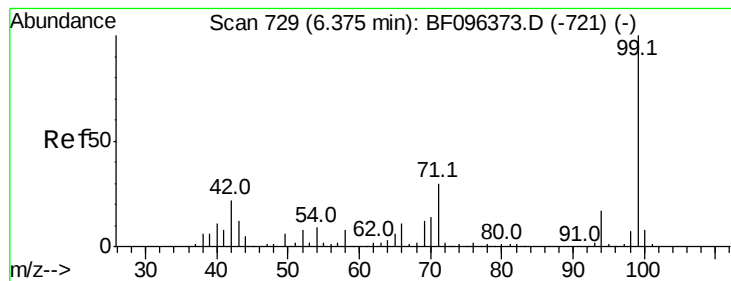
2-Fluorophenol
Concen: 23.42 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF096492.D
Acq: 5 Jul 2017 19:00

Tgt Ion:112 Resp: 189452
Ion Ratio Lower Upper
112 100
64 59.5 46.0 69.0
63 30.3 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: 22.72 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF096492.D

Acq: 5 Jul 2017 19:00

Instrument :

BNA_F

ClientSampleId :

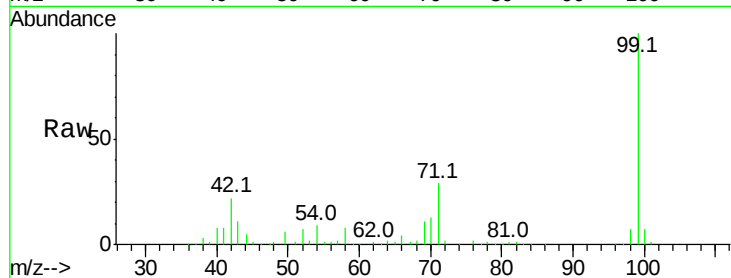
Tot Ion: 99 Resp: 225973

Ion Ratio Lower Upper

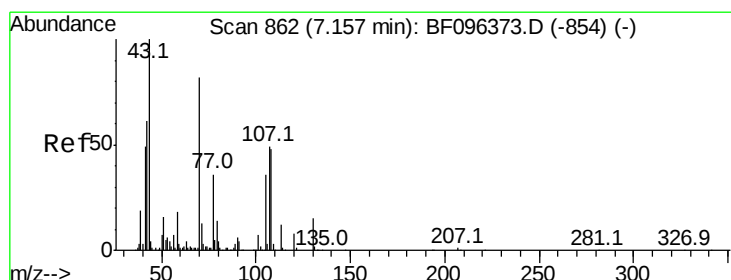
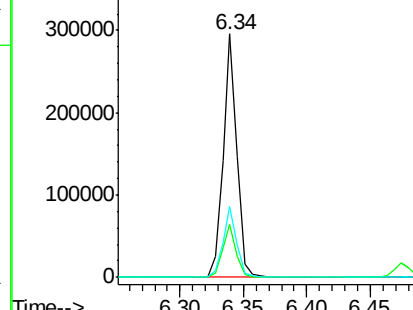
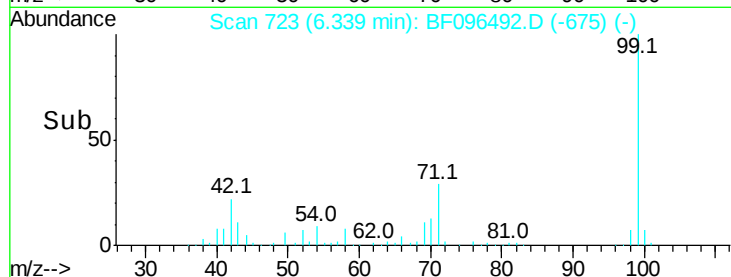
99 100

42 21.9 13.5 20.3#

71 29.2 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: 2.60 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF096492.D

Acq: 5 Jul 2017 19:00

Tgt Ion: 70 Resp: 15425

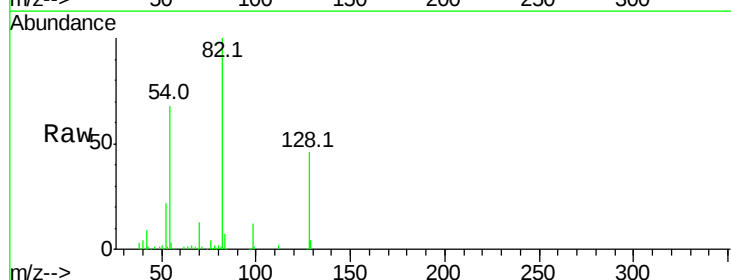
Ion Ratio Lower Upper

70 100

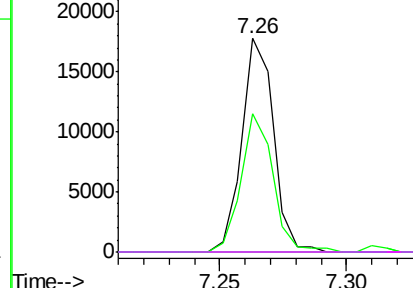
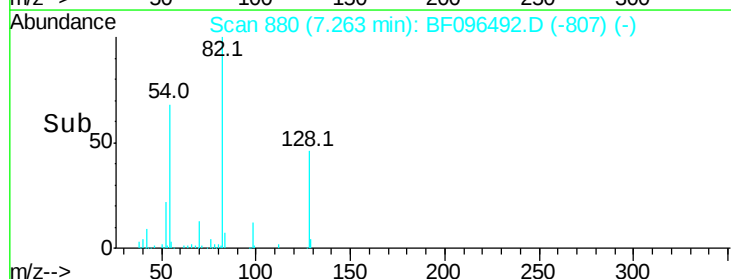
42 64.5 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 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: BF096492.D

Acq: 5 Jul 2017 19:00

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 487764

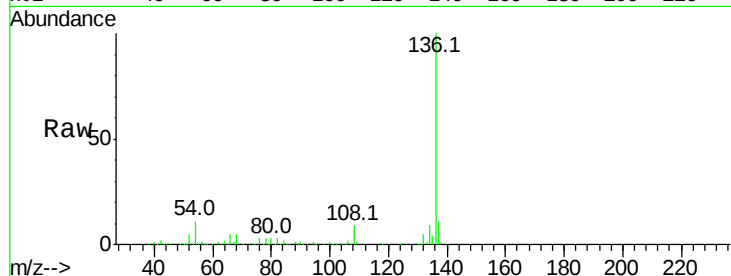
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.6 4.9 7.3#

68 5.2 4.1 6.1

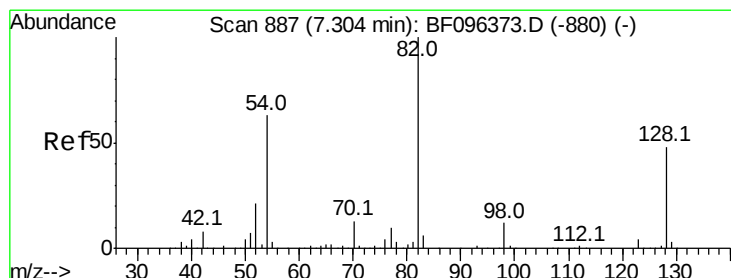
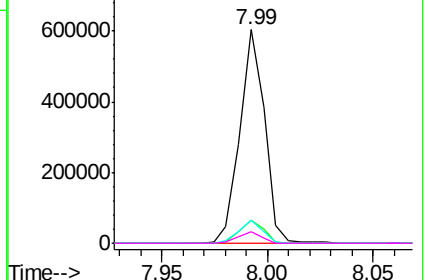
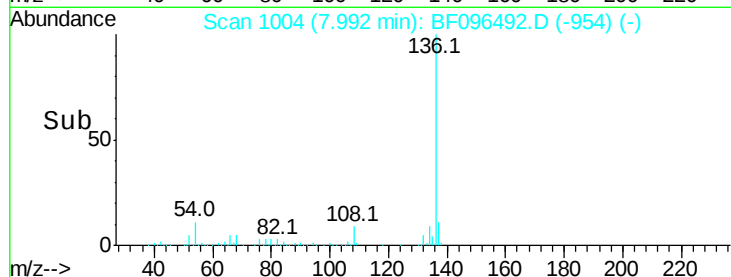


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 15.19 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF096492.D

Acq: 5 Jul 2017 19:00

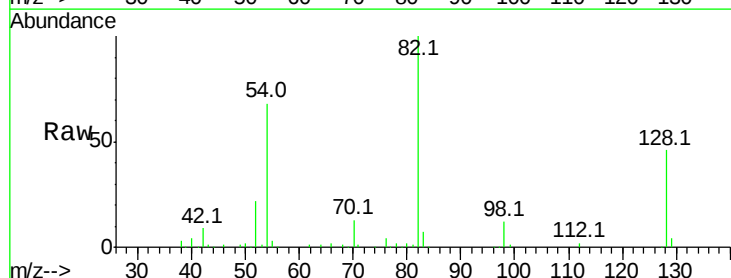
Tgt Ion: 82 Resp: 123318

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

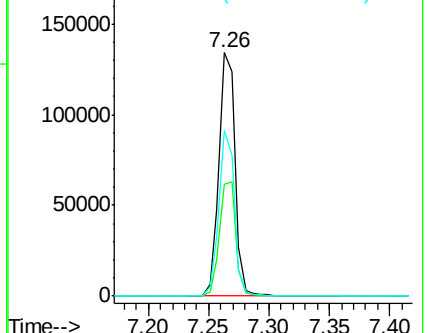
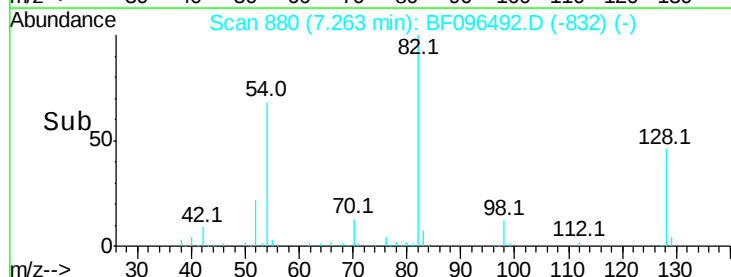
54 67.9 42.2 63.2#

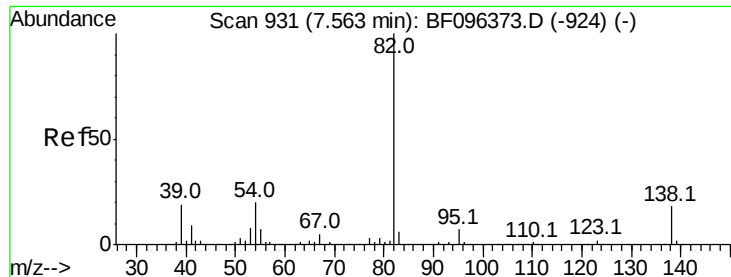


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 7.83 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF096492.D

Acq: 5 Jul 2017 19:00

Instrument :

BNA_F

ClientSampleId :

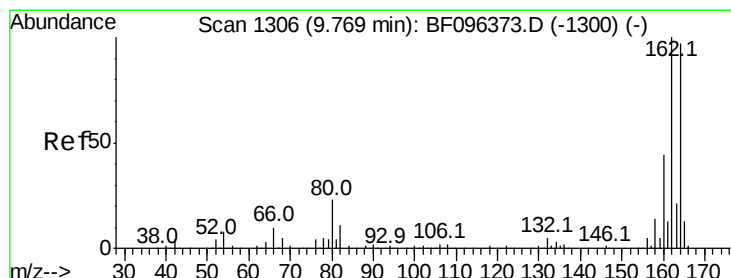
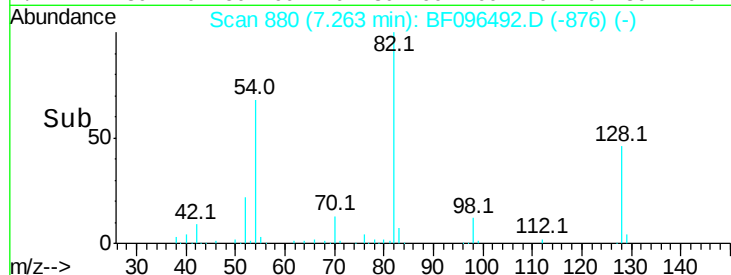
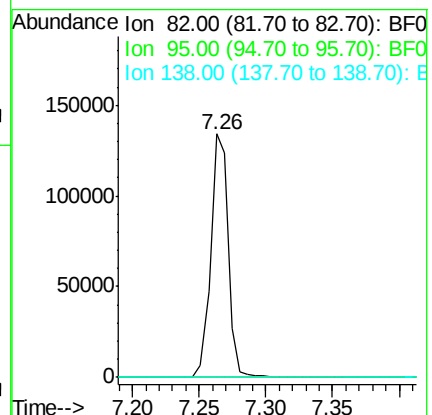
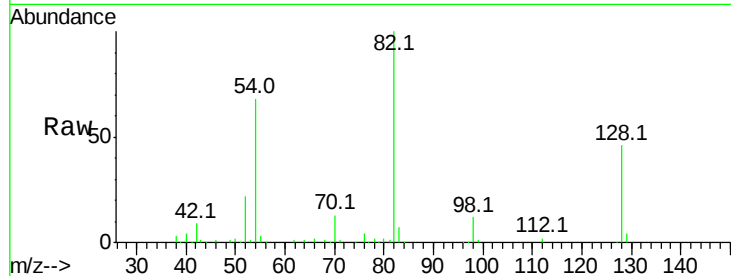
Tot Ion: 82 Resp: 123176

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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096492.D

Acq: 5 Jul 2017 19:00

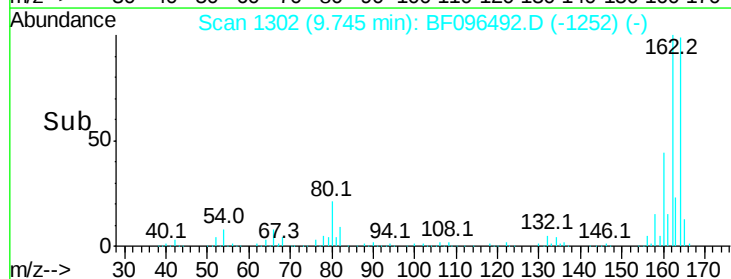
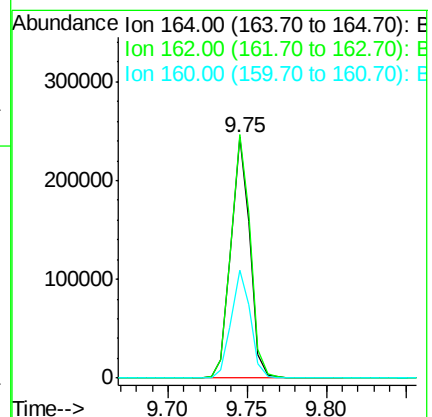
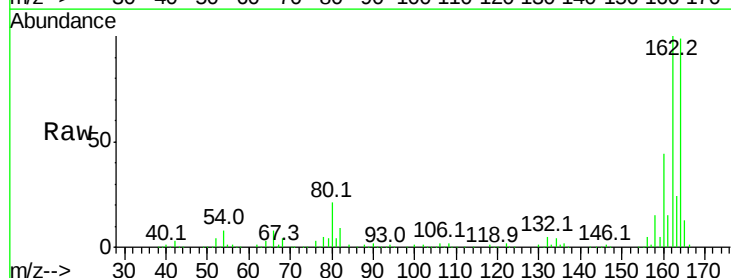
Tgt Ion:164 Resp: 201523

Ion Ratio Lower Upper

164 100

162 101.2 82.6 123.8

160 44.8 36.2 54.2

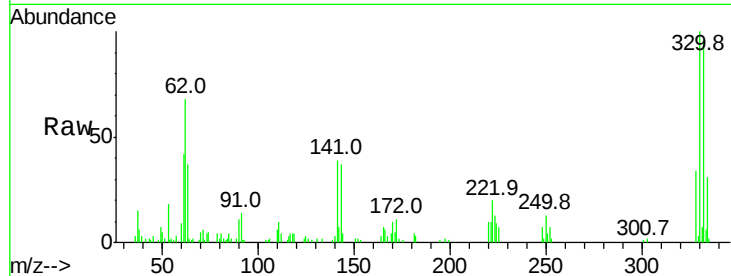




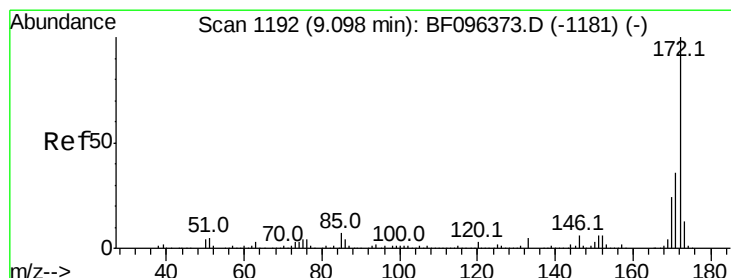
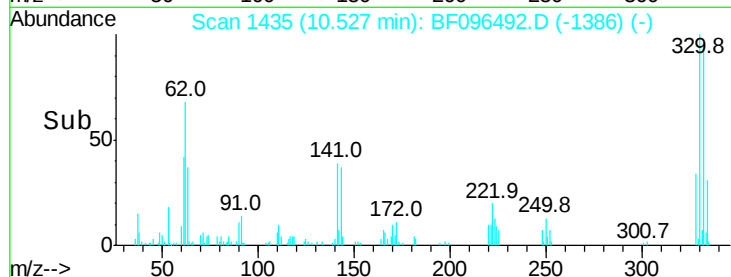
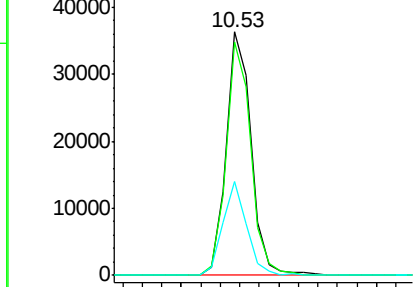
#41
 2,4,6-Tribromophenol
 Concen: 20.50 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF096492.D
 Acq: 5 Jul 2017 19:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 32267
 Ion Ratio Lower Upper
 330 100
 332 93.9 76.6 115.0
 141 36.7 31.4 47.2

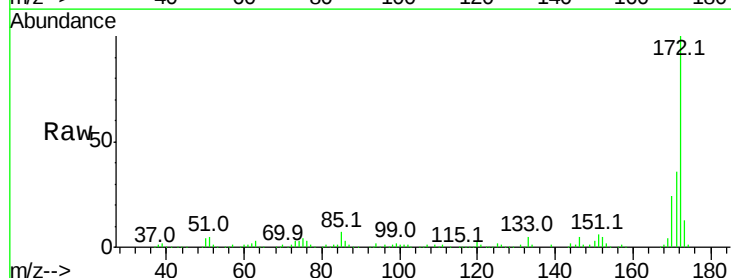


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

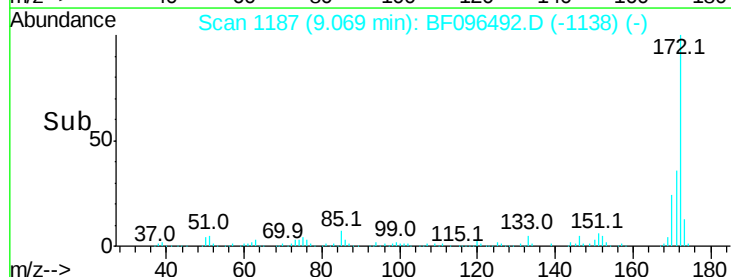
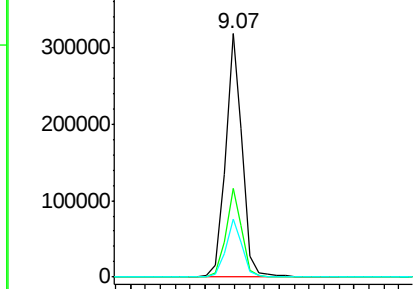


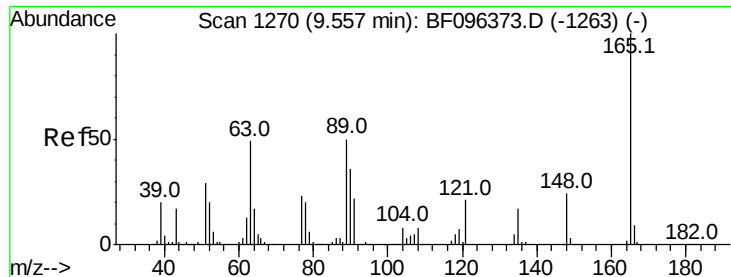
#44
 2-Fluorobiphenyl
 Concen: 21.33 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF096492.D
 Acq: 5 Jul 2017 19:00

Tgt Ion:172 Resp: 251379
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.0 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

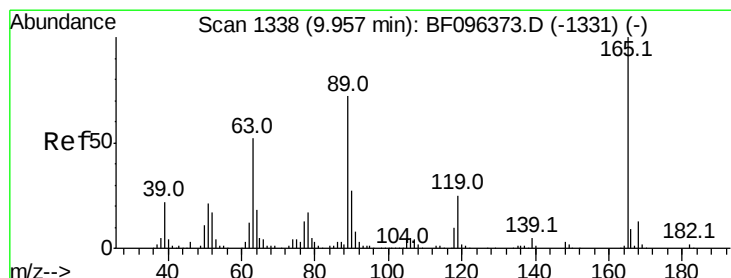
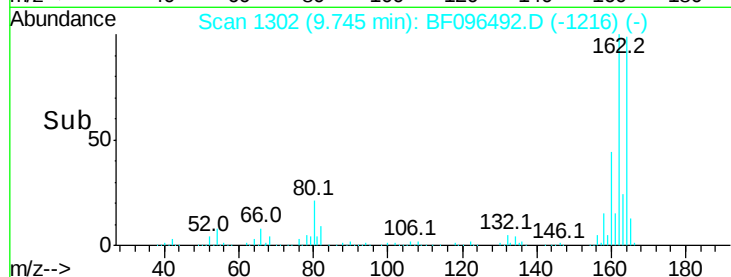
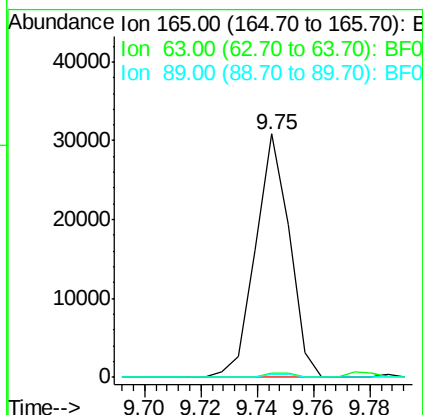
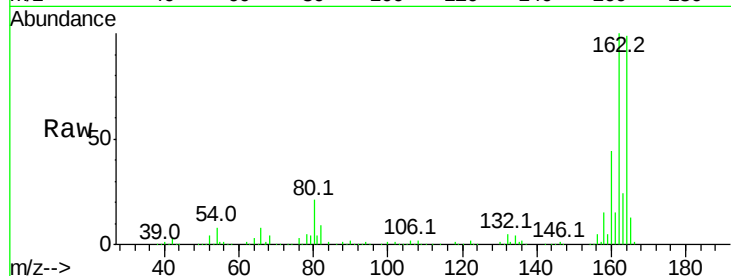




#50
 2,6-Dinitrotoluene
 Concen: 7.72 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.21 min
 Lab File: BF096492.D
 Acq: 5 Jul 2017 19:00

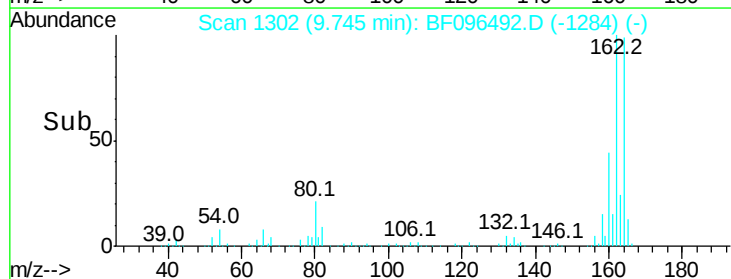
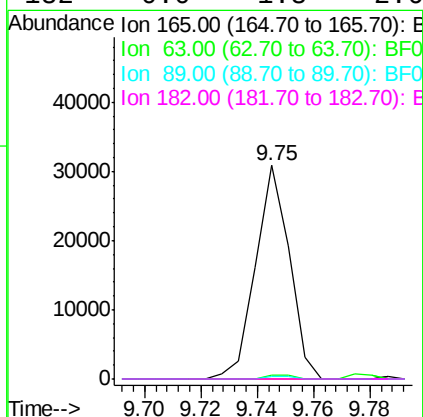
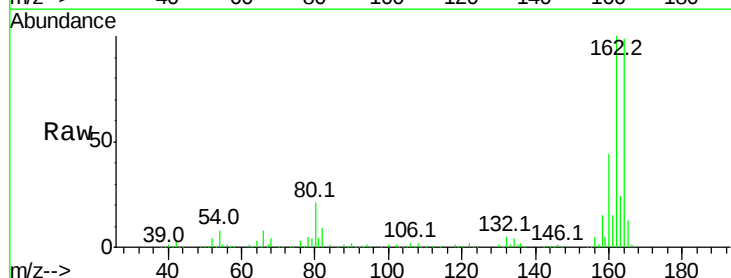
Instrument :
 BNA_F
 ClientSampleId :

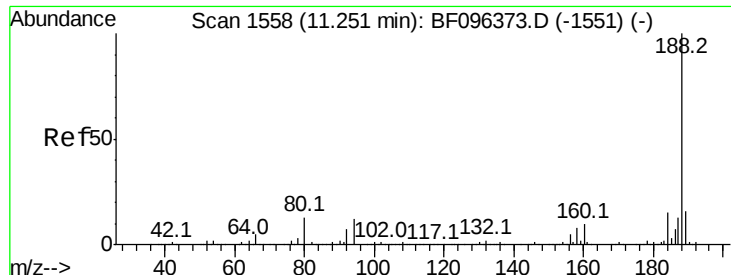
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.3	51.5#
89	1.5	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.09 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.19 min
 Lab File: BF096492.D
 Acq: 5 Jul 2017 19:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#

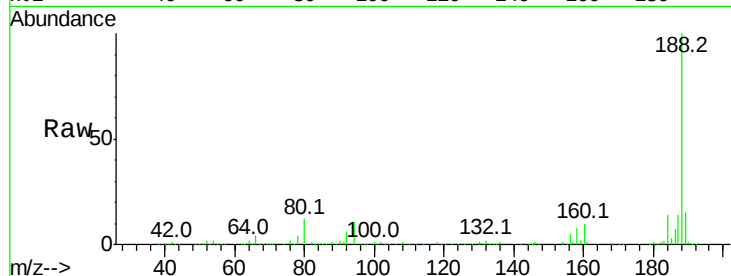




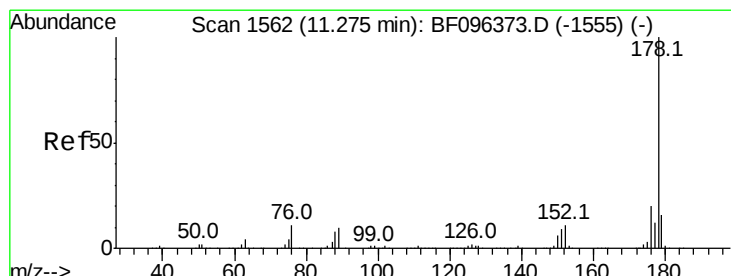
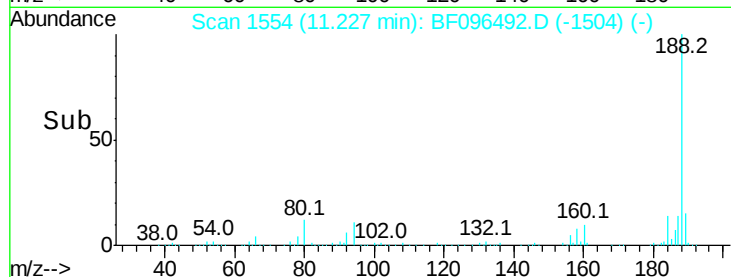
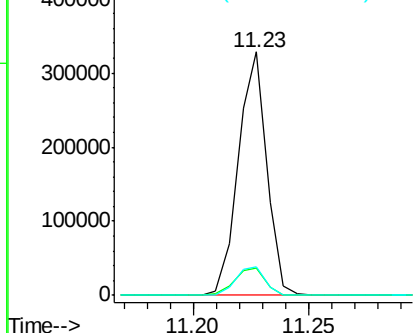
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF096492.D
 Acq: 5 Jul 2017 19:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 282431
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 11.8 10.2 15.2

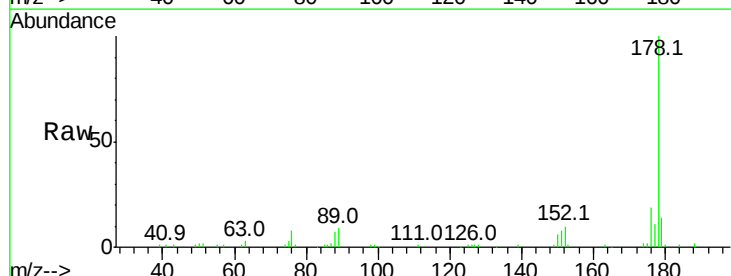


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

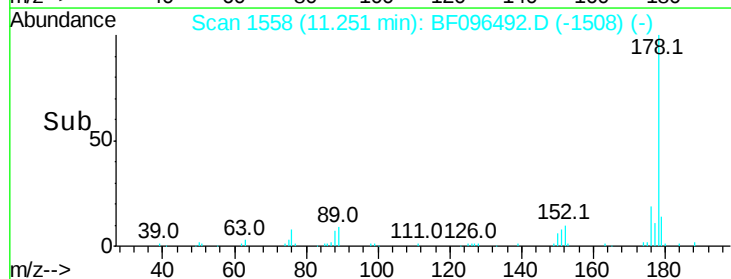
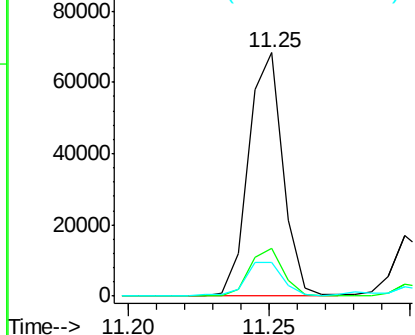


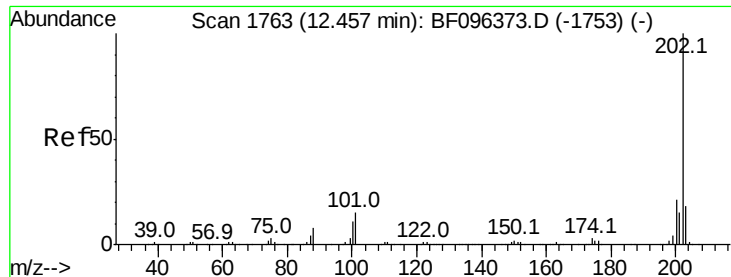
#70
 Phenanthrene
 Concen: 3.77 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF096492.D
 Acq: 5 Jul 2017 19:00

Tgt Ion:178 Resp: 57592
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.4
 179 13.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.20 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF096492.D

Acq: 5 Jul 2017 19:00

Instrument :

BNA_F

ClientSampleId :

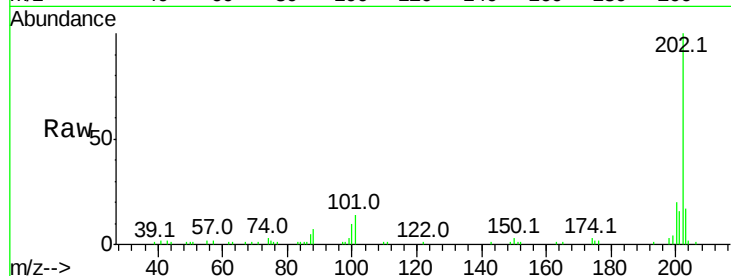
Tot Ion:202 Resp: 47883

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

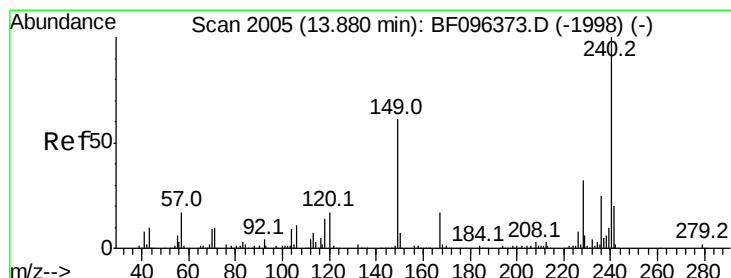
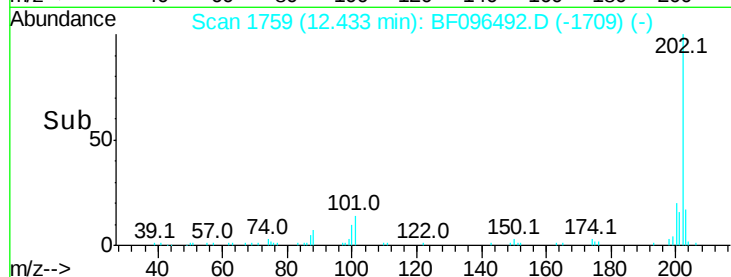
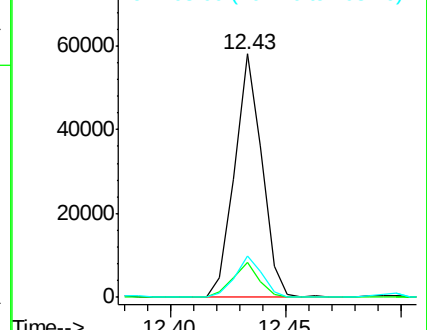
203 16.8 0.0 38.1



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: BF096492.D

Acq: 5 Jul 2017 19:00

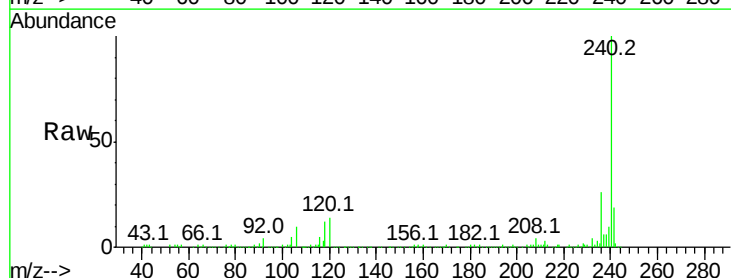
Tgt Ion:240 Resp: 214577

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

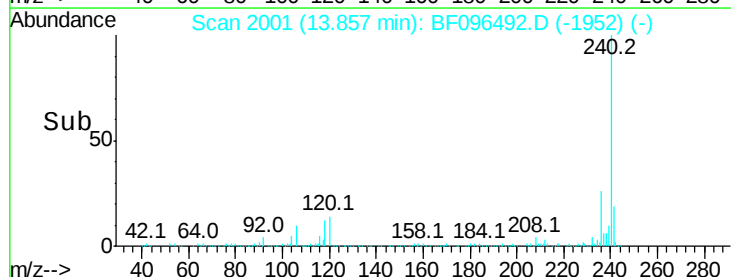
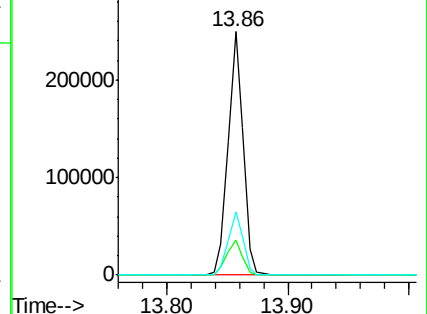
236 25.8 20.5 30.7

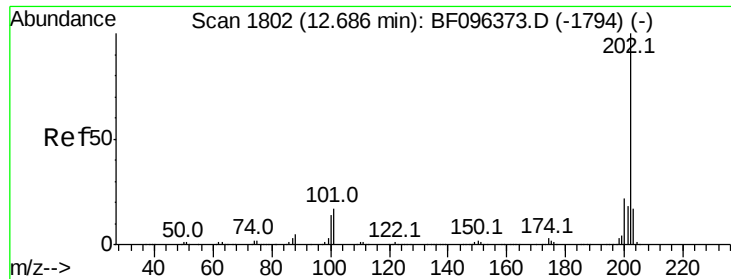


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

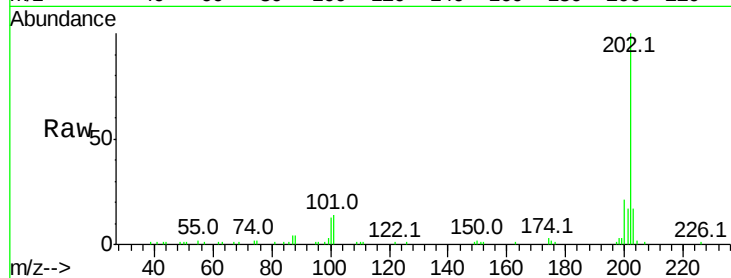




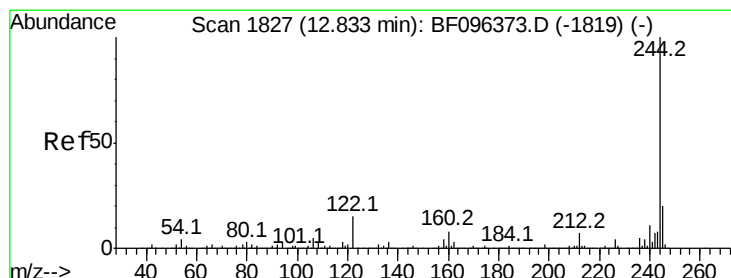
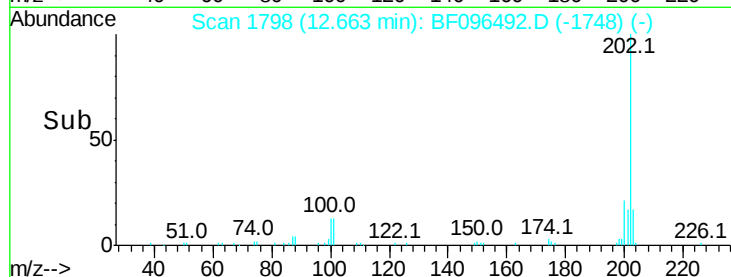
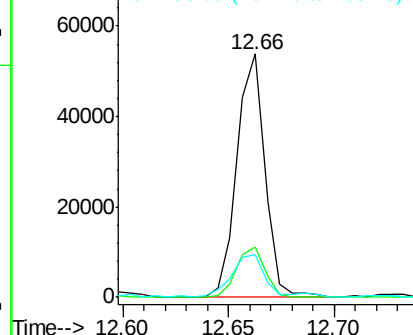
#77
Pvrene
Concen: 2.87 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF096492.D
Acq: 5 Jul 2017 19:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 49413
Ion Ratio Lower Upper
202 100
200 20.7 17.6 26.4
203 17.4 14.4 21.6

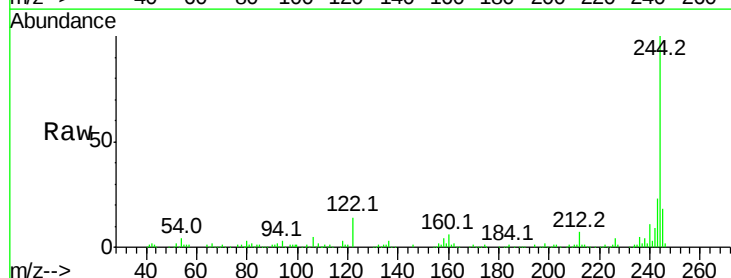


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

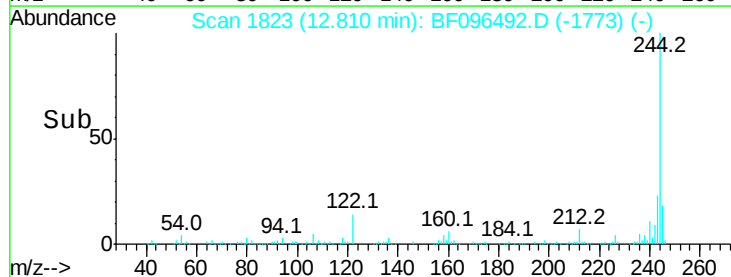
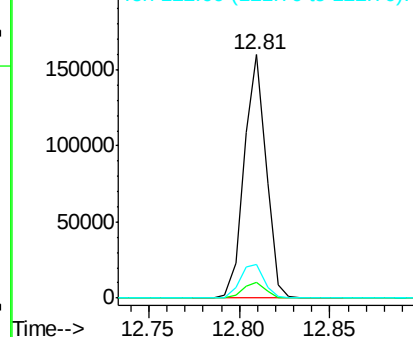


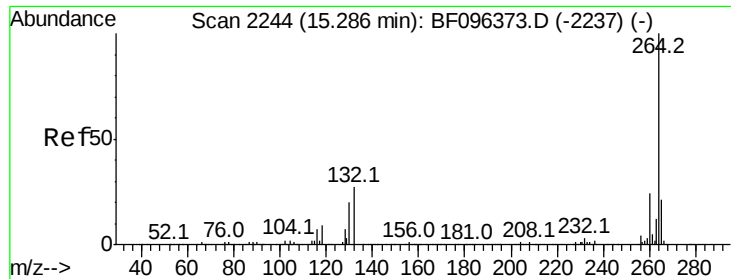
#78
Terphenyl-d14
Concen: 13.32 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF096492.D
Acq: 5 Jul 2017 19:00

Tgt Ion:244 Resp: 133779
Ion Ratio Lower Upper
244 100
212 6.7 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

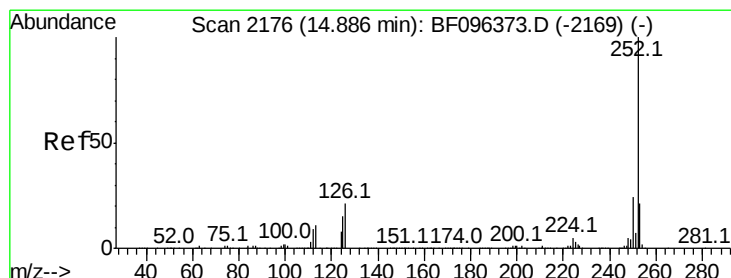
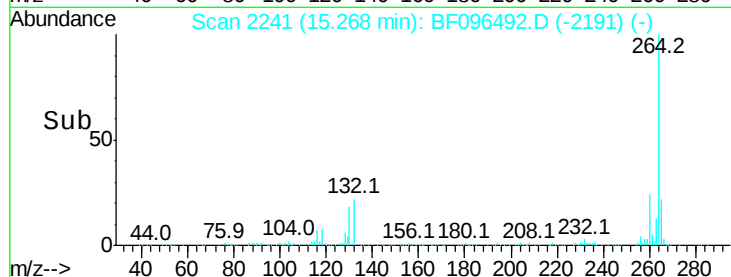
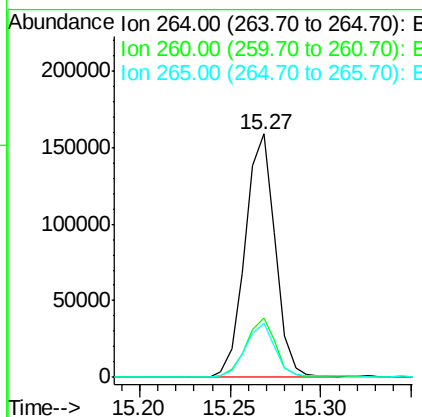
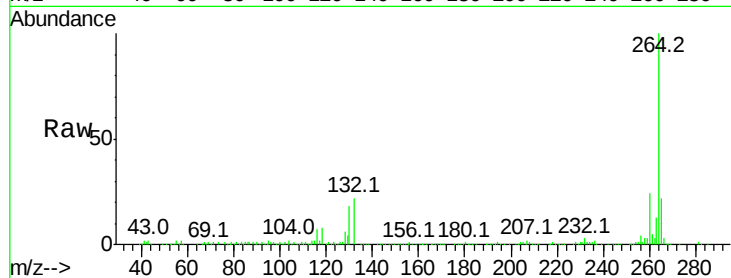




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF096492.D
Acq: 5 Jul 2017 19:00

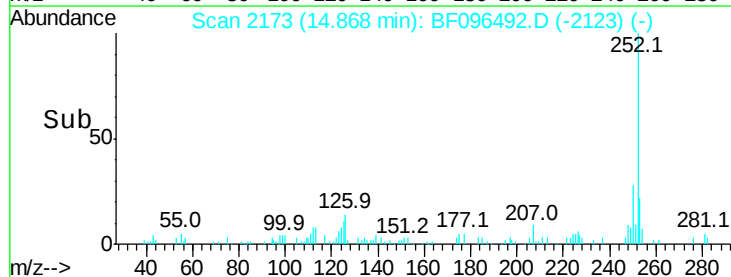
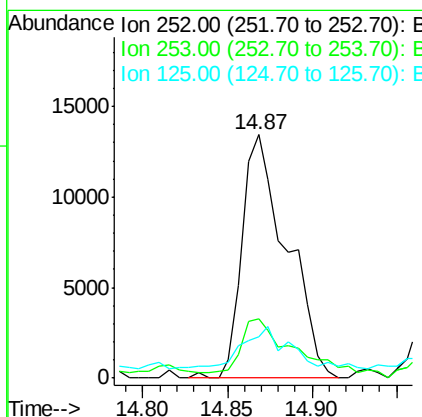
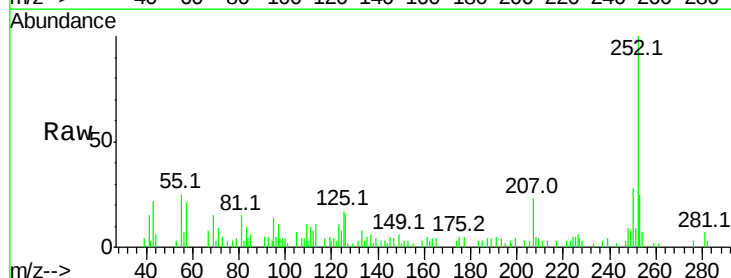
Instrument :
BNA_F
ClientSampleId :

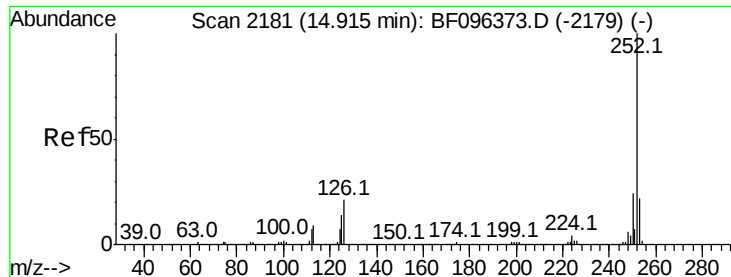
Tot Ion:264 Resp: 183720
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.15 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096492.D
Acq: 5 Jul 2017 19:00

Tgt Ion:252 Resp: 24733
Ion Ratio Lower Upper
252 100
253 24.6 18.1 27.1
125 17.0 9.8 14.8#

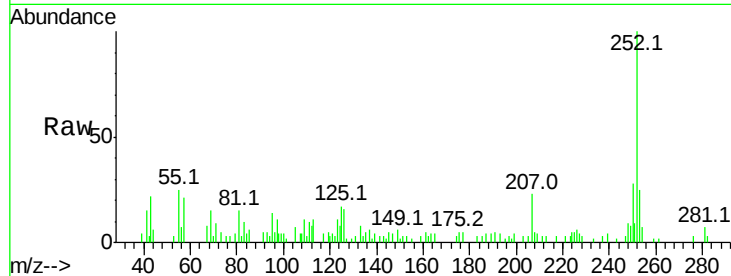




#88
 Benzo(k)fluoranthene
 Concen: 2.40 ng
 RT: 14.87 min Scan# 2173
 Delta R.T. -0.04 min
 Lab File: BF096492.D
 Acq: 5 Jul 2017 19:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.4	27.6
125	17.0	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

