

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096516.D
 Acq On : 6 Jul 2017 7:01
 Operator : SJ/MA
 Sample : I3975-08 2X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 08:48:32 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

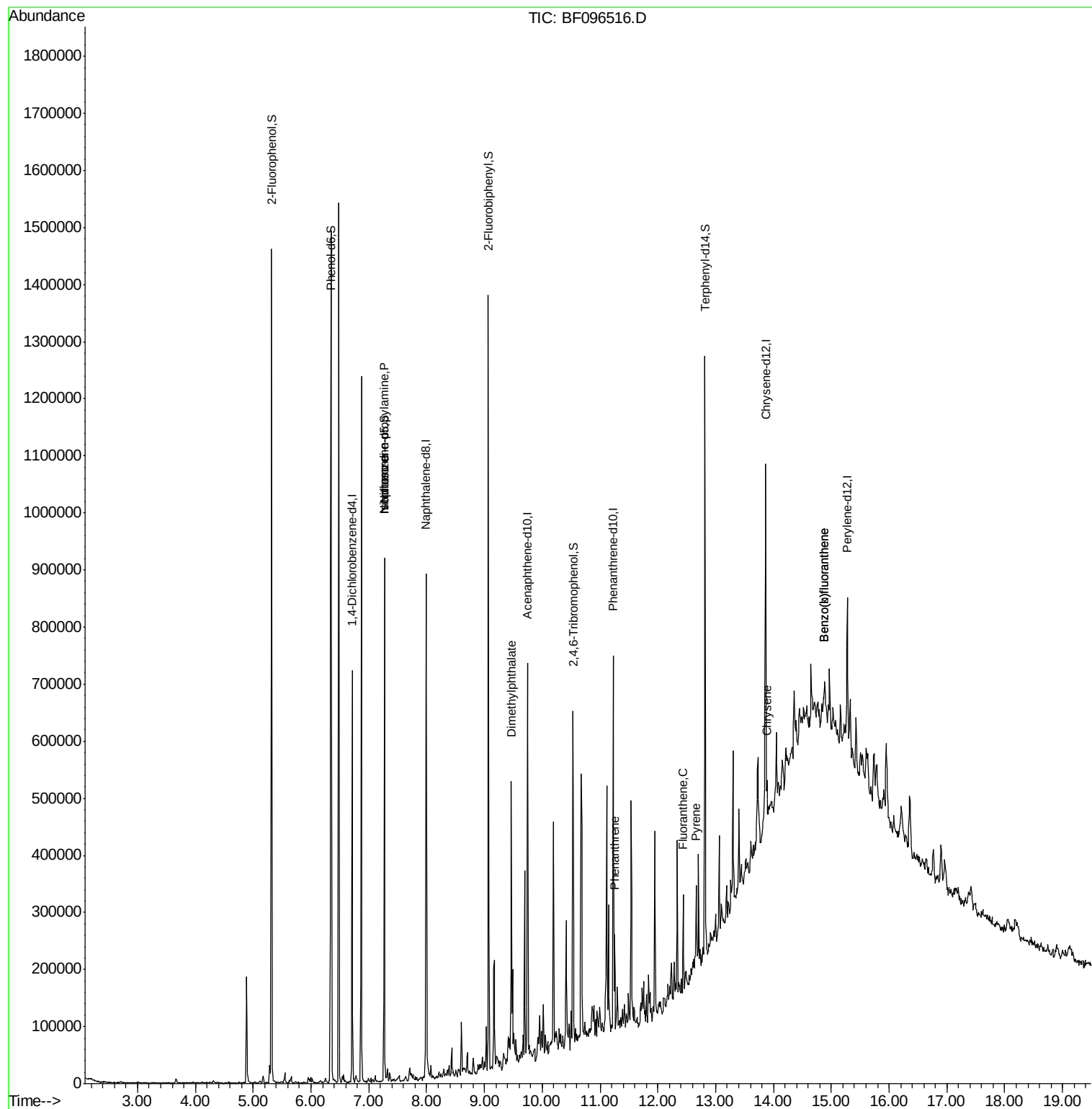
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	102471	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	367875	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	133293	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	212961	20.00	ng	0.00
75) Chrysene-d12	13.86	240	188637	20.00	ng	0.00
86) Perylene-d12	15.27	264	122752	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	386827	55.72	ng	0.00
7) Phenol-d6	6.35	99	449202	52.63	ng	-0.01
23) Nitrobenzene-d5	7.27	82	233872	38.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	57225	54.96	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	419572	53.82	ng	-0.01
78) Terphenyl-d14	12.82	244	324562	36.77	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	30741	6.05	ng	# 86
25) Isophorone	7.27	82	232287	19.57	ng	# 67
49) Dimethylphthalate	9.46	163	179095	18.00	ng	98
70) Phenanthrene	11.25	178	51660	4.49	ng	99
74) Fluoranthene	12.44	202	63860	5.66	ng	97
77) Pyrene	12.66	202	60881	4.02	ng	98
82) Chrysene	13.89	228	23193	2.03	ng	# 91
87) Benzo(b)fluoranthene	14.87	252	28858	3.75	ng	# 48
88) Benzo(k)fluoranthene	14.87	252	28858	4.19	ng	# 53

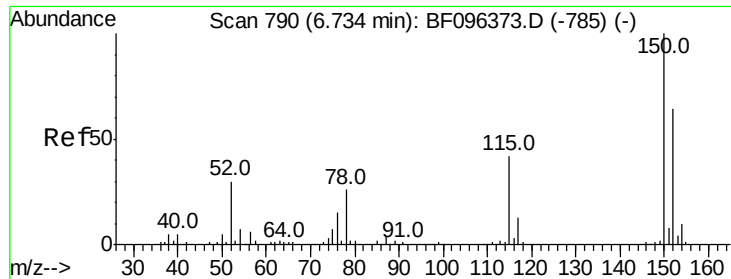
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF096516.D

Acq: 6 Jul 2017 7:01

Instrument :

BNA_F

ClientSampleId :

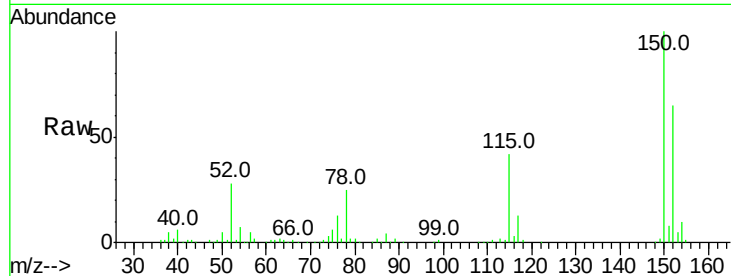
Tot Ion:152 Resp: 102471

Ion Ratio Lower Upper

152 100

150 153.2 126.2 189.2

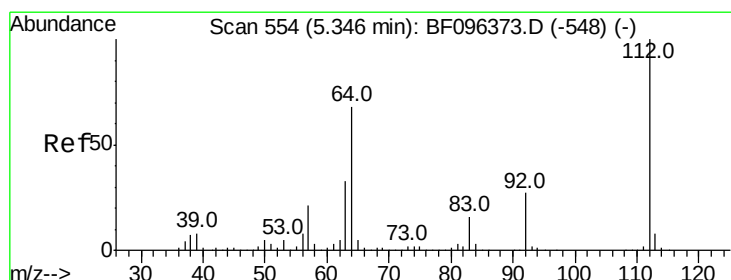
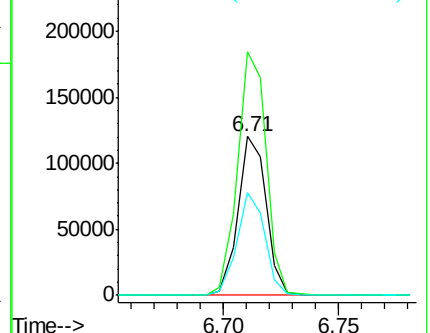
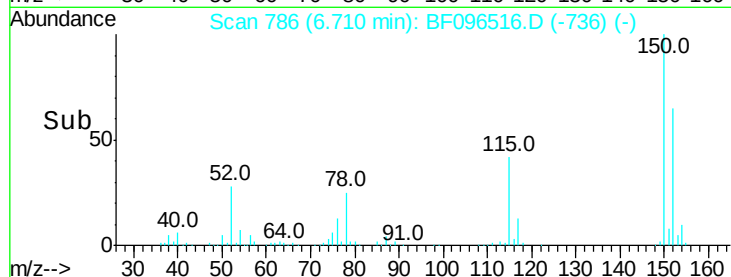
115 64.5 52.2 78.2



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: 55.72 ng

RT: 5.32 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF096516.D

Acq: 6 Jul 2017 7:01

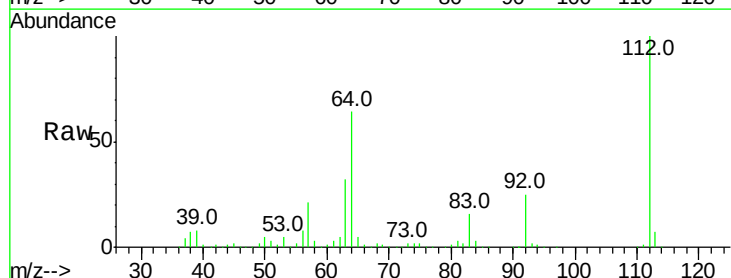
Tgt Ion:112 Resp: 386827

Ion Ratio Lower Upper

112 100

64 64.5 46.0 69.0

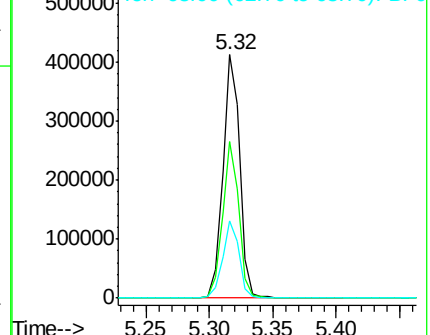
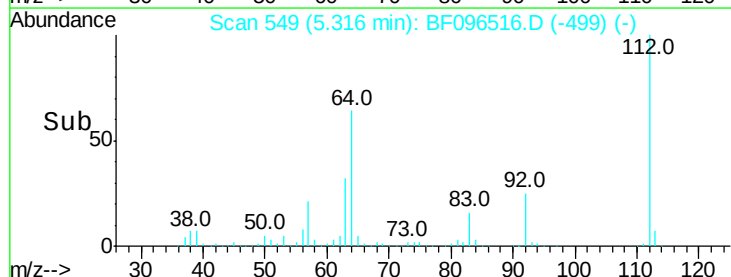
63 31.7 23.4 35.0

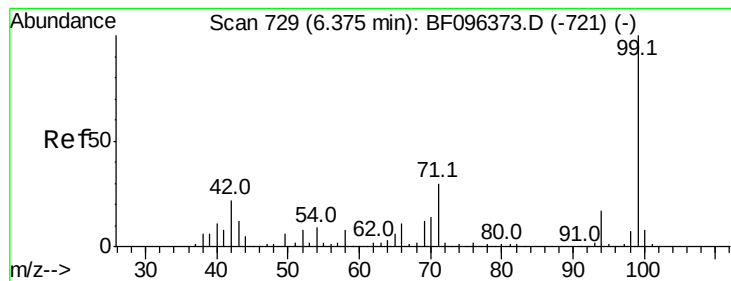


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 52.63 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096516.D

Acq: 6 Jul 2017 7:01

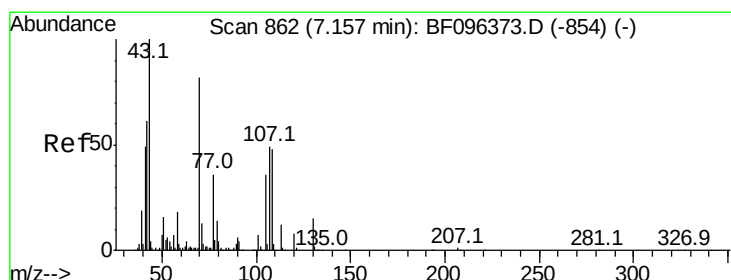
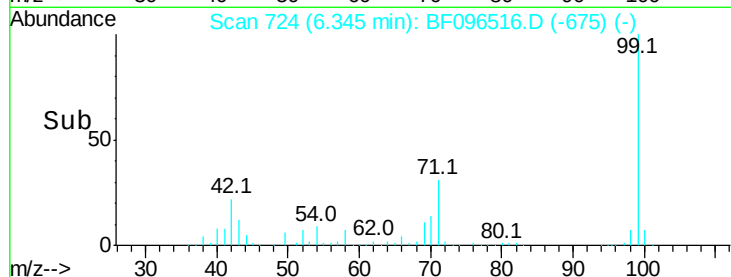
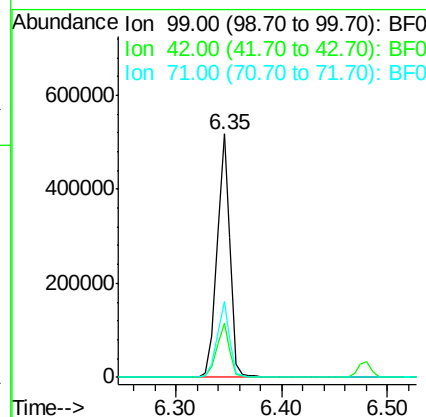
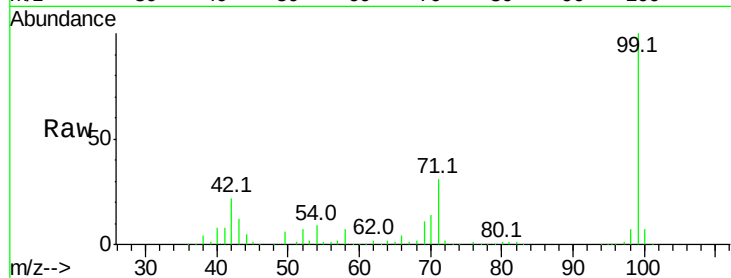
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 449202

Ion	Ratio	Lower	Upper
99	100		
42	22.1	13.5	20.3#
71	31.1	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 6.05 ng

RT: 7.27 min Scan# 881

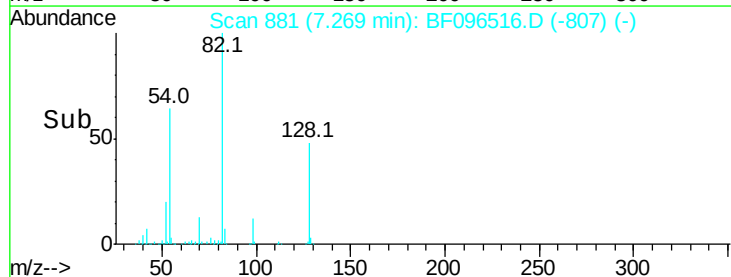
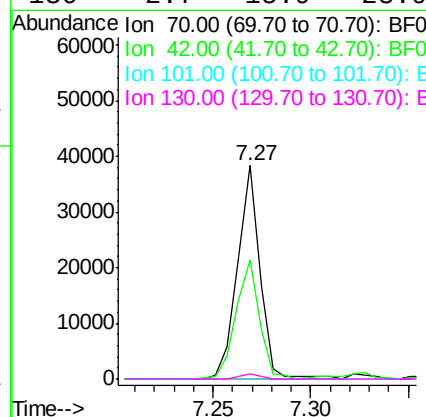
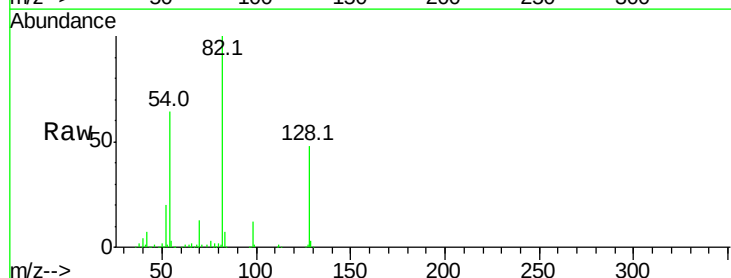
Delta R.T. 0.14 min

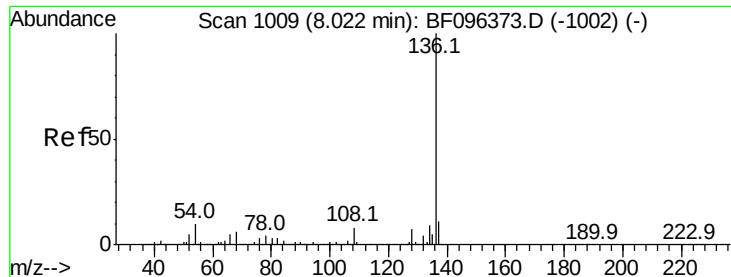
Lab File: BF096516.D

Acq: 6 Jul 2017 7:01

Tgt Ion: 70 Resp: 30741

Ion	Ratio	Lower	Upper
70	100		
42	55.9	47.2	70.8
101	0.0	7.2	10.8#
130	2.7	15.9	23.9#

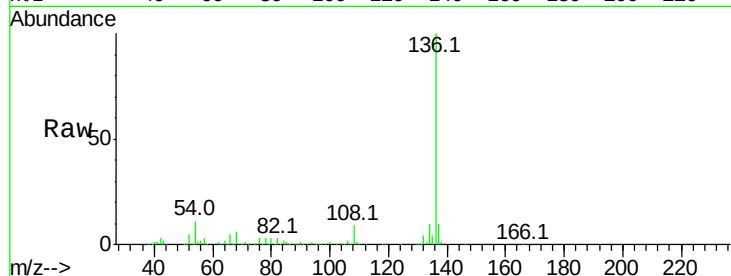




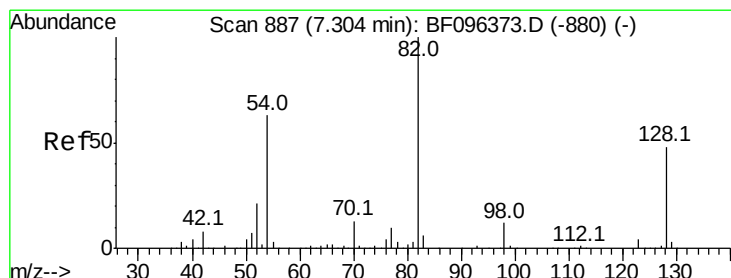
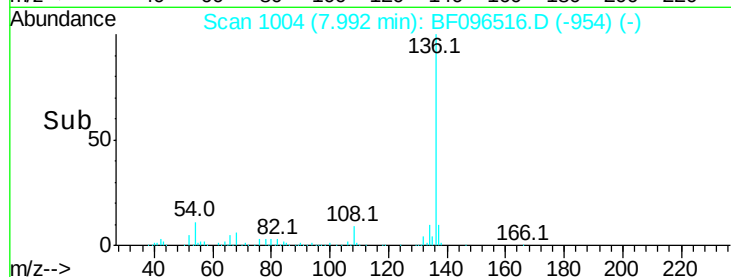
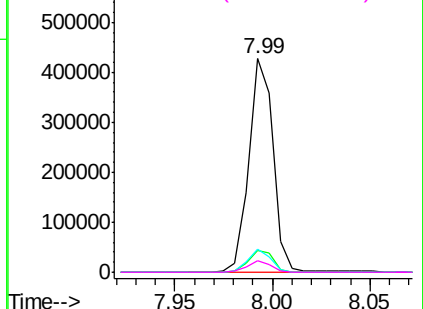
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096516.D
Acq: 6 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	367875
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	10.5	4.9	7.3#
68	5.5	4.1	6.1

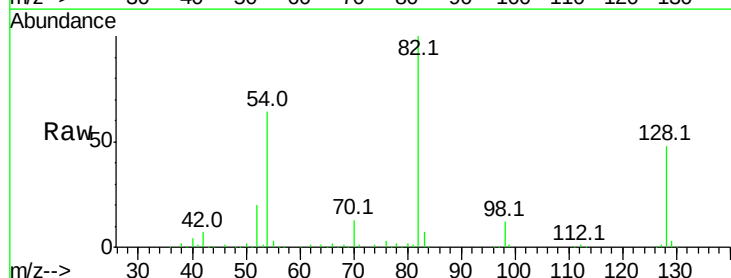


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

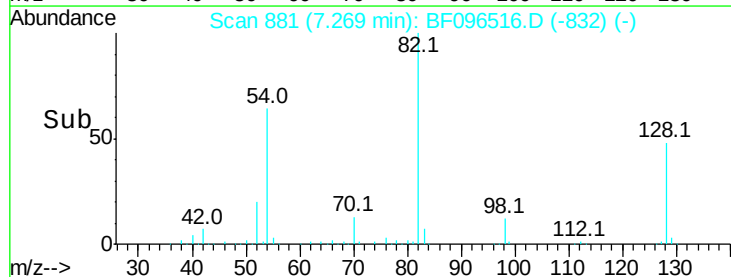
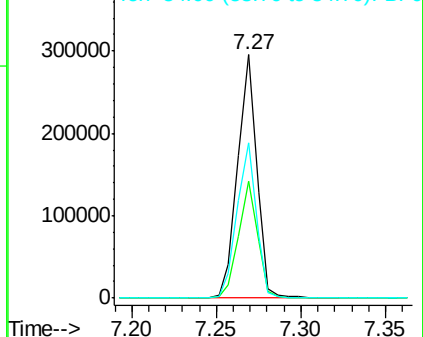


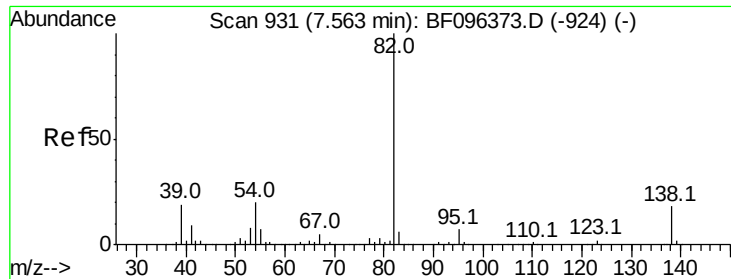
#23
Nitrobenzene-d5
Concen: 38.20 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF096516.D
Acq: 6 Jul 2017 7:01

Tgt Ion:	82	Resp:	233872
Ion	Ratio	Lower	Upper
82	100		
128	48.2	34.0	51.0
54	64.0	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: 19.57 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF096516.D

Acq: 6 Jul 2017 7:01

Instrument :

BNA_F

ClientSampleId :

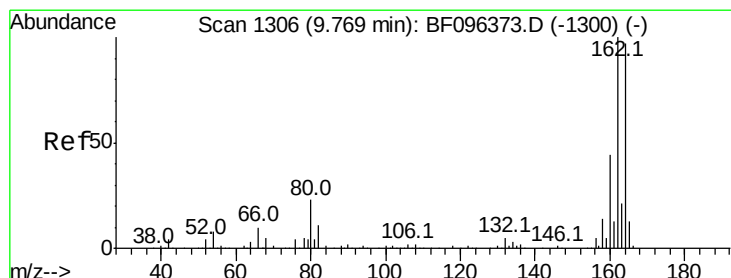
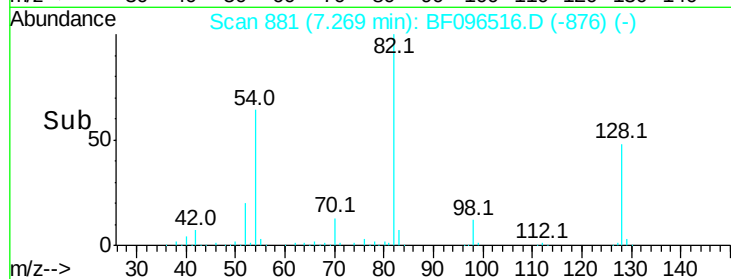
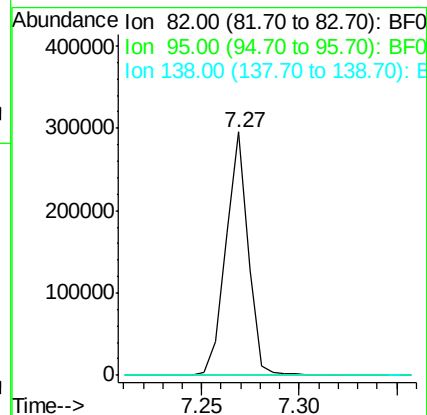
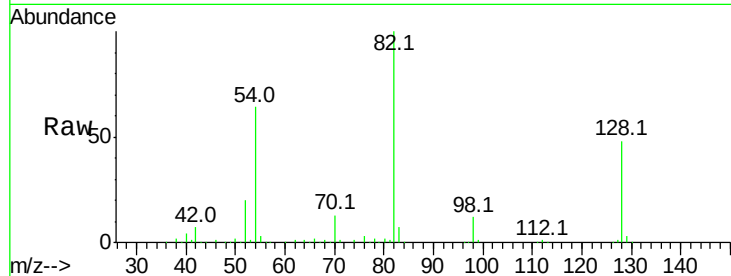
Tot Ion: 82 Resp: 232287

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: BF096516.D

Acq: 6 Jul 2017 7:01

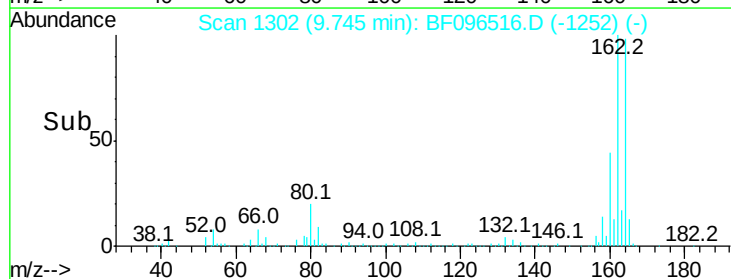
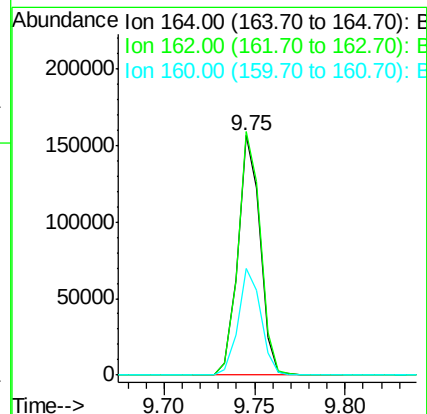
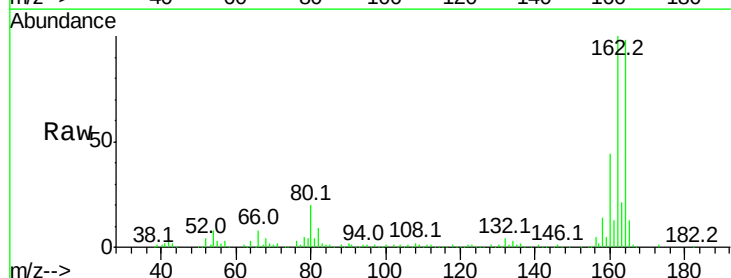
Tgt Ion:164 Resp: 133293

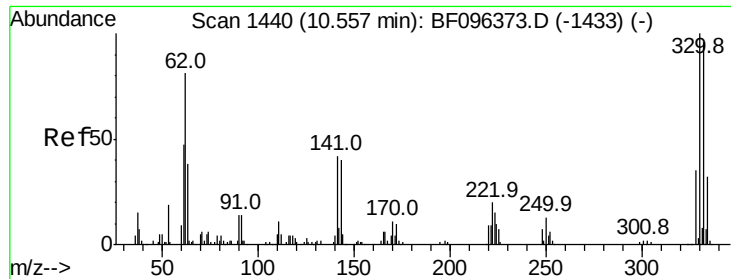
Ion Ratio Lower Upper

164 100

162 101.7 82.6 123.8

160 44.4 36.2 54.2

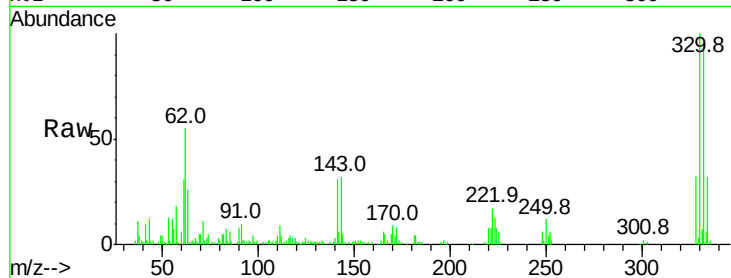




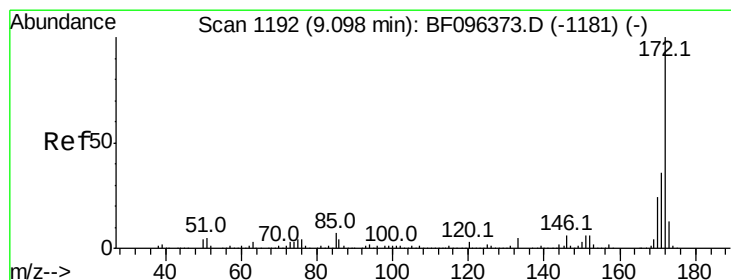
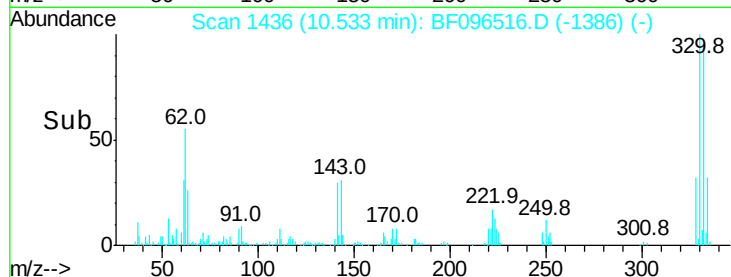
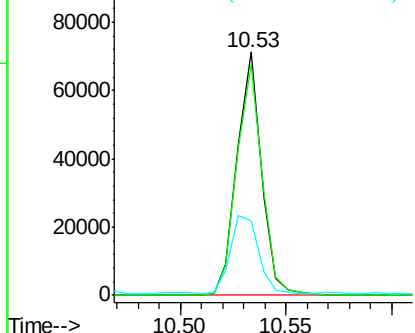
#41
 2,4,6-Tribromophenol
 Concen: 54.96 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096516.D
 Acq: 6 Jul 2017 7:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 57225
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.6 115.0
 141 36.6 31.4 47.2

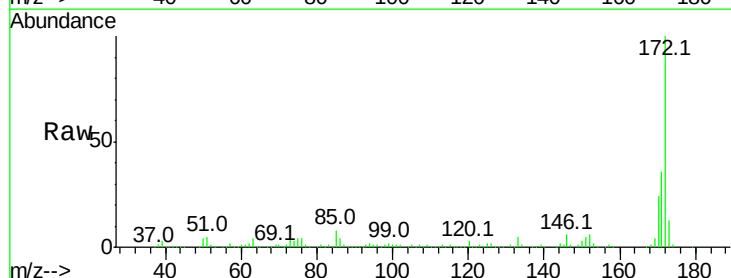


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

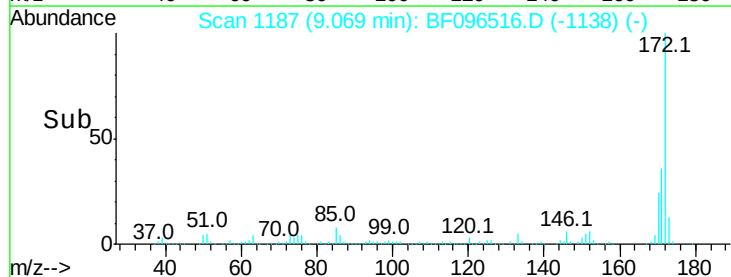
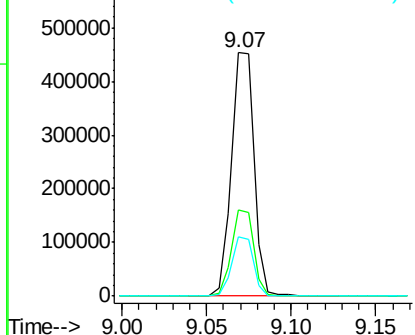


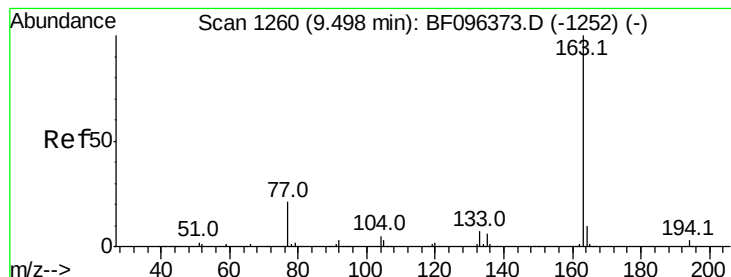
#44
 2-Fluorobiphenyl
 Concen: 53.82 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF096516.D
 Acq: 6 Jul 2017 7:01

Tgt Ion:172 Resp: 419572
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 24.2 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: 18.00 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF096516.D

Acq: 6 Jul 2017 7:01

Instrument :

BNA_F

ClientSampled :

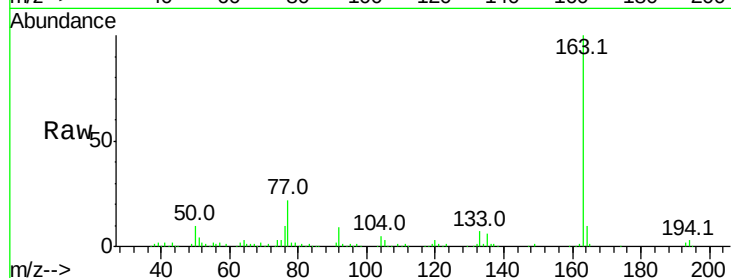
Tot Ion:163 Resp: 179095

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

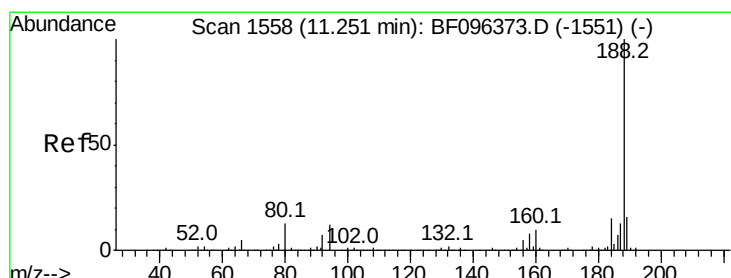
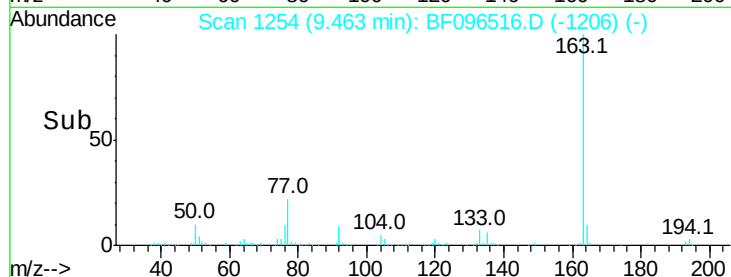
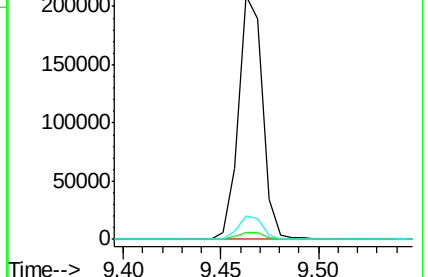
164 9.7 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096516.D

Acq: 6 Jul 2017 7:01

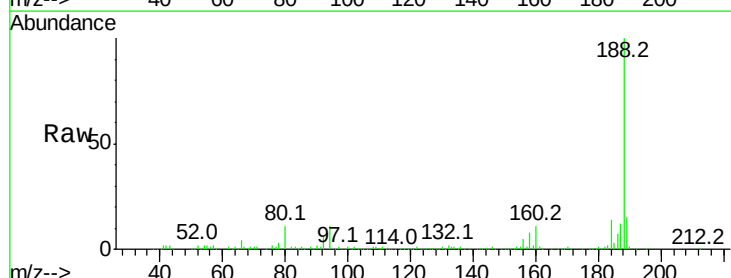
Tgt Ion:188 Resp: 212961

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

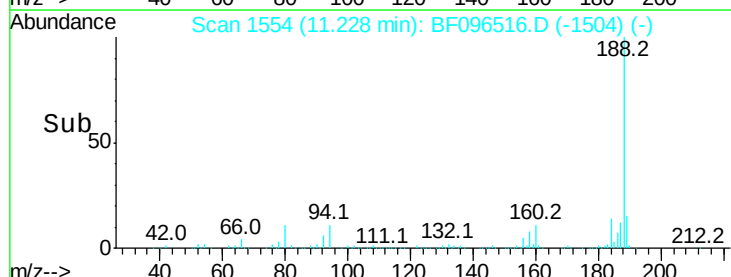
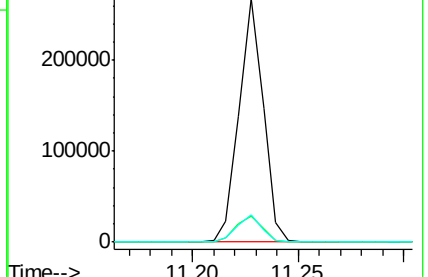
80 11.2 10.2 15.2

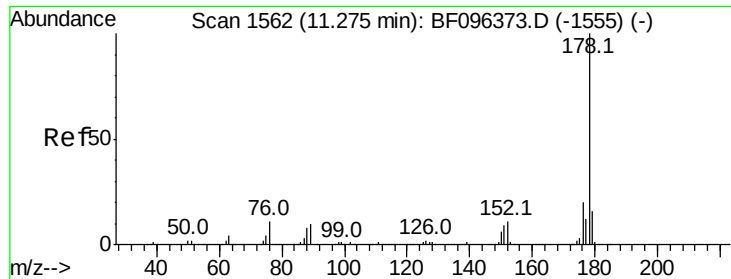


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.49 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096516.D

Acq: 6 Jul 2017 7:01

Instrument :

BNA_F

ClientSampleId :

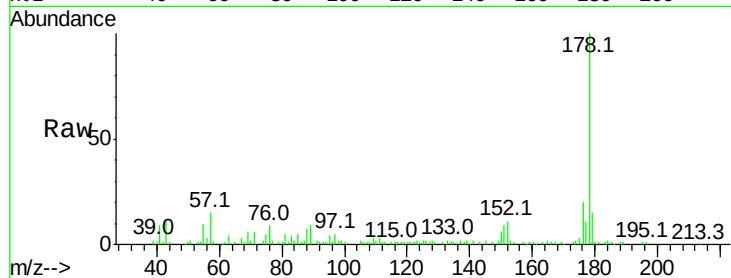
Tot Ion:178 Resp: 51660

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

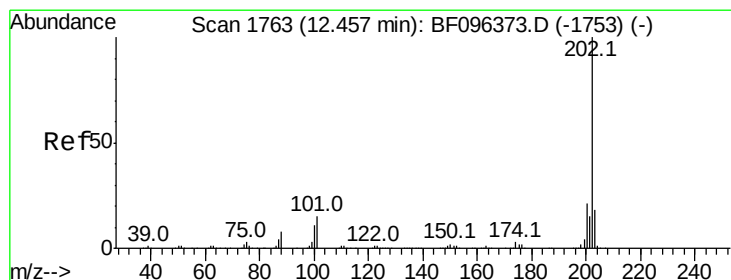
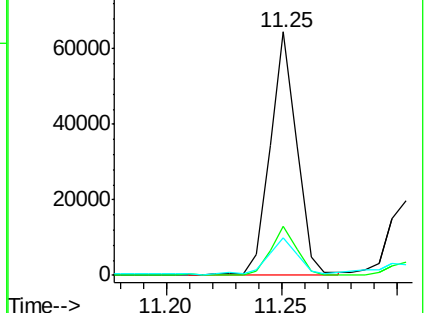
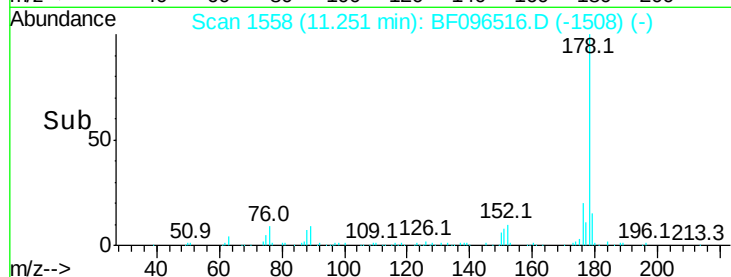
179 15.2 12.6 19.0



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: 5.66 ng

RT: 12.44 min Scan# 1760

Delta R.T. 0.00 min

Lab File: BF096516.D

Acq: 6 Jul 2017 7:01

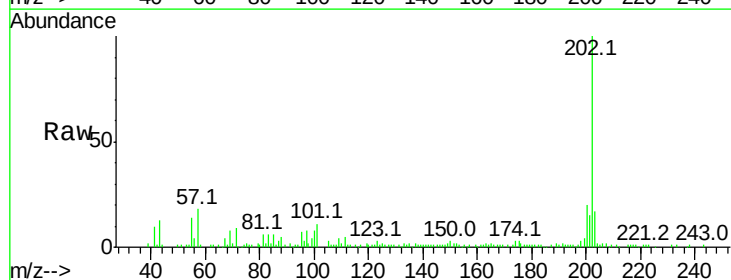
Tgt Ion:202 Resp: 63860

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.2

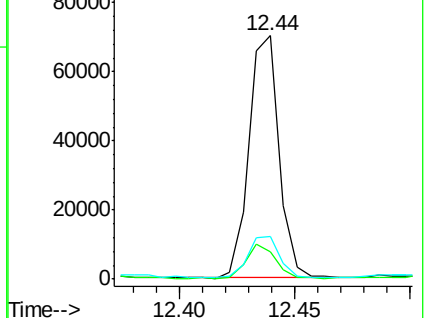
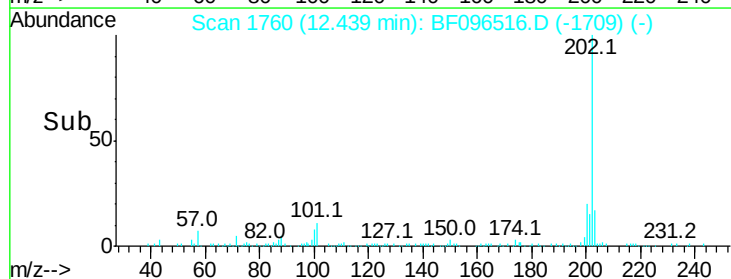
203 17.5 0.0 38.1

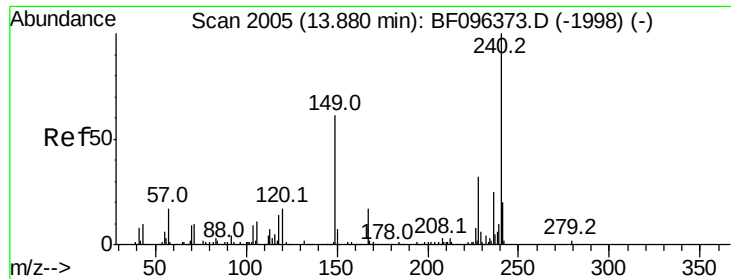


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2002

Delta R.T. -0.01 min

Lab File: BF096516.D

Acq: 6 Jul 2017 7:01

Instrument :

BNA_F

ClientSampled :

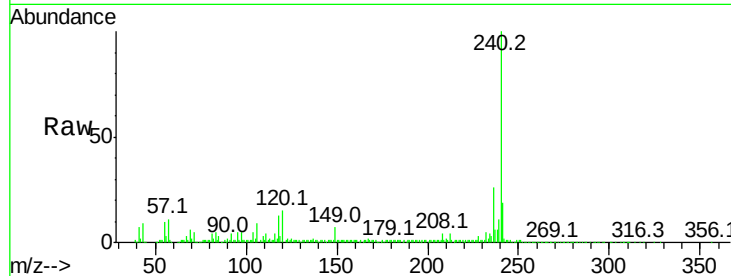
Tot Ion:240 Resp: 188637

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

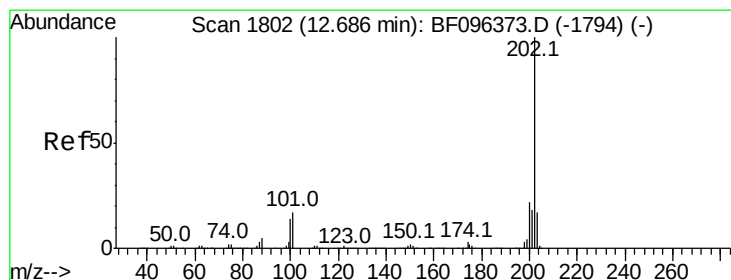
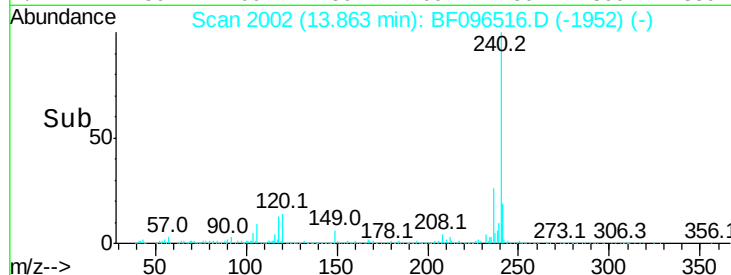
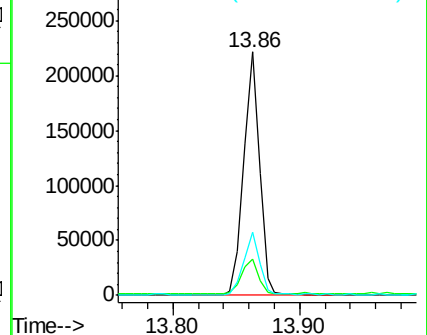
236 26.1 20.5 30.7



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

Pyrene

Concen: 4.02 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096516.D

Acq: 6 Jul 2017 7:01

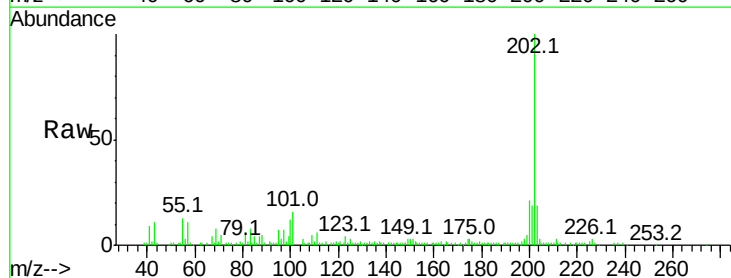
Tgt Ion:202 Resp: 60881

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

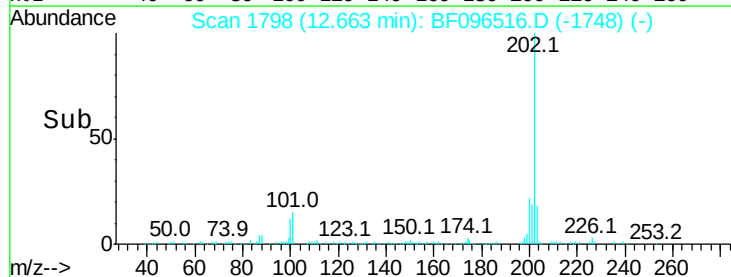
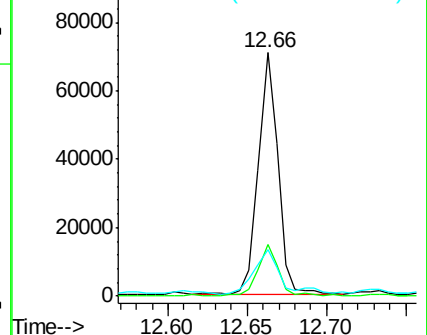
203 19.1 14.4 21.6

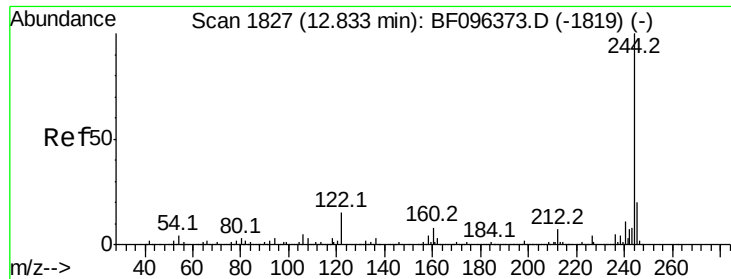


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

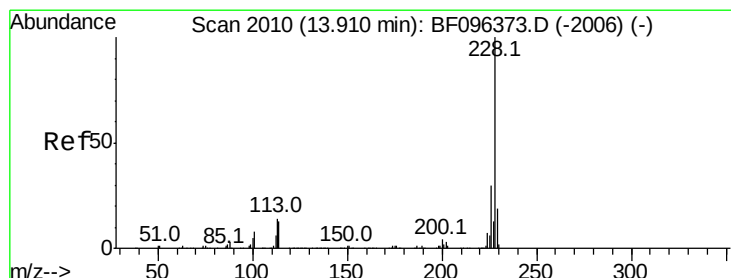
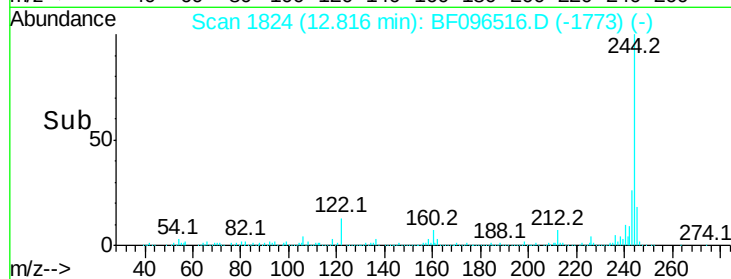
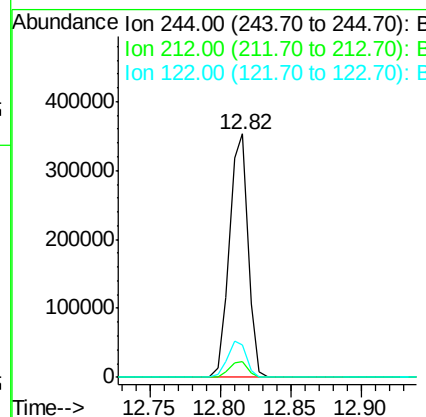
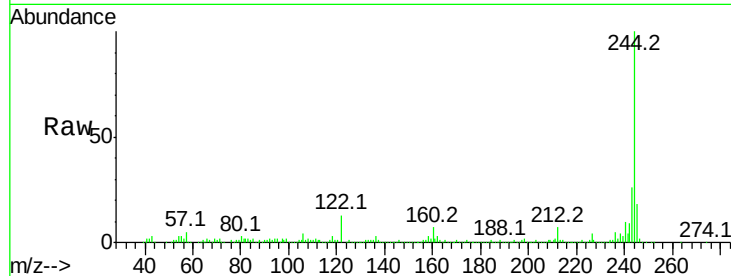




#78
 Terphenyl-d14
 Concen: 36.77 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BF096516.D
 Acq: 6 Jul 2017 7:01

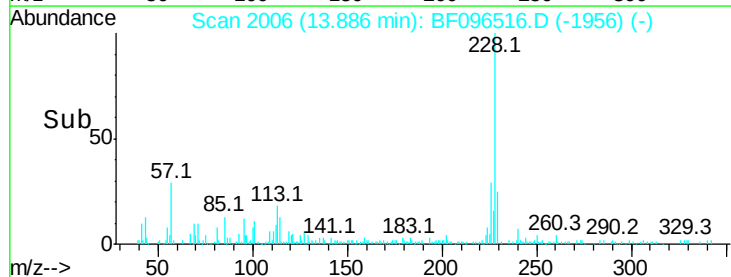
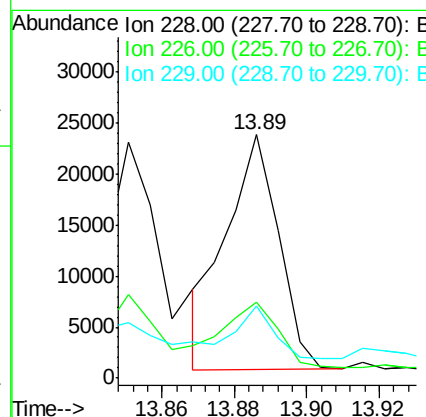
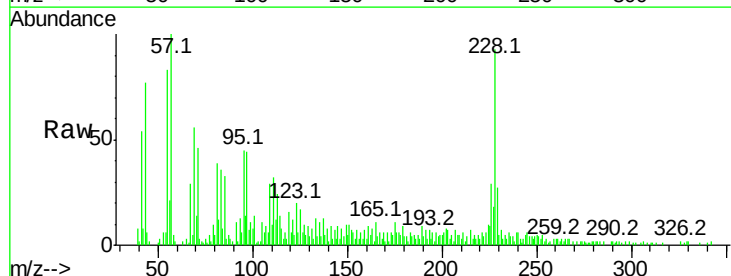
Instrument :
 BNA_F
 ClientSampleId :

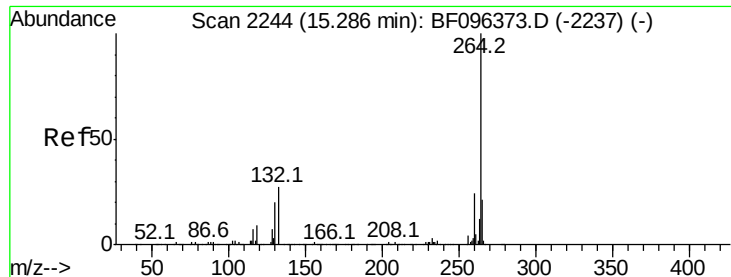
Tot Ion:244 Resp: 324562
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 13.4 10.3 15.5



#82
 Chrysene
 Concen: 2.03 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF096516.D
 Acq: 6 Jul 2017 7:01

Tgt Ion:228 Resp: 23193
 Ion Ratio Lower Upper
 228 100
 226 31.4 24.9 37.3
 229 29.5 15.8 23.6#

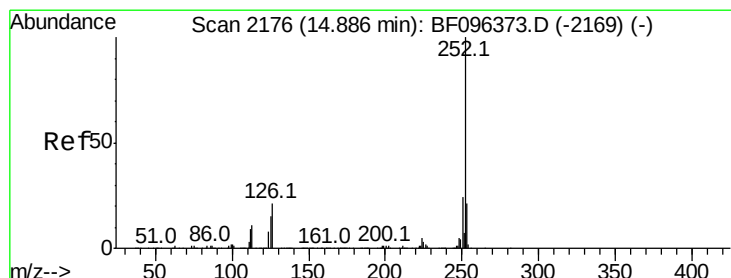
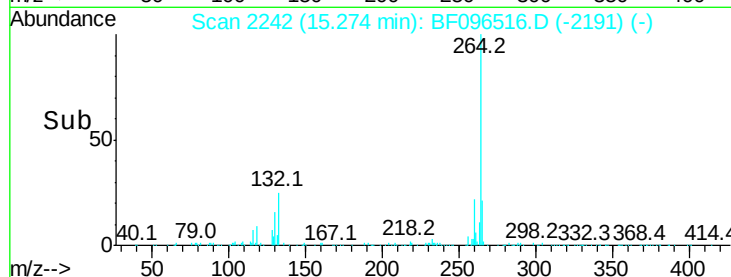
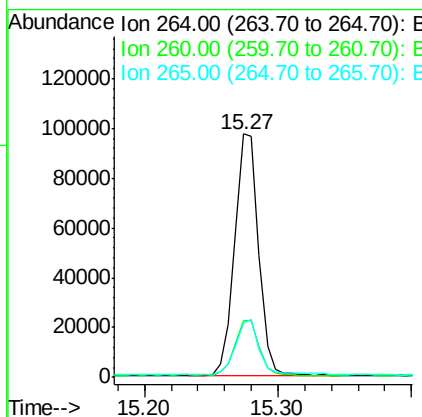
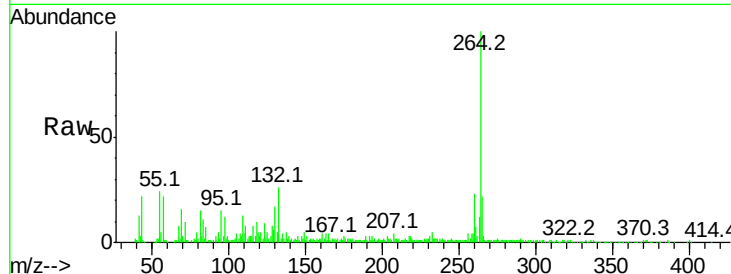




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BF096516.D
Acq: 6 Jul 2017 7:01

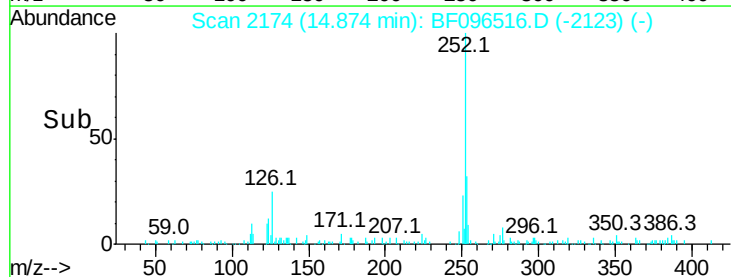
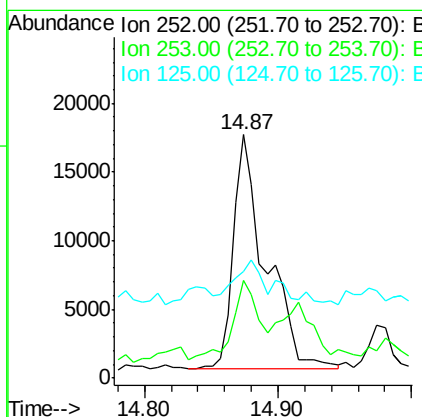
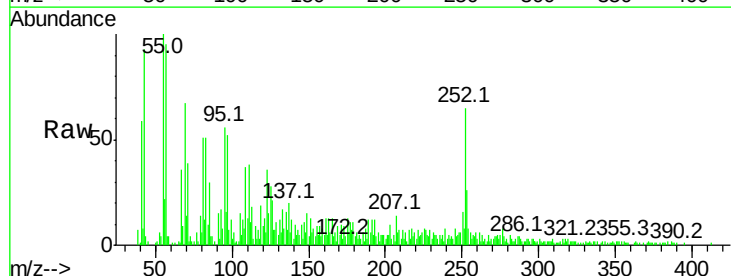
Instrument :
BNA_F
ClientSampleId :

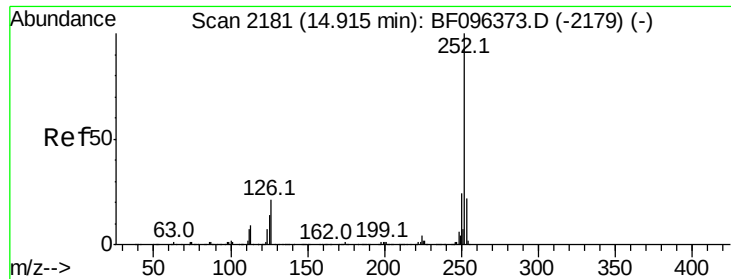
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	22.0	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.75 ng
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF096516.D
Acq: 6 Jul 2017 7:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.0	18.1	27.1#
125	43.9	9.8	14.8#

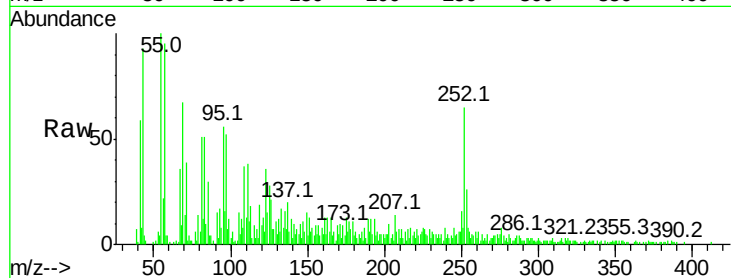




#88
 Benzo(k)fluoranthene
 Concen: 4.19 ng
 RT: 14.87 min Scan# 2174
 Delta R.T. -0.03 min
 Lab File: BF096516.D
 Acq: 6 Jul 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	40.0	18.4	27.6#
125	43.9	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

