

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096302.D
 Acq On : 29 Jun 2017 20:08
 Operator : SJ/MA
 Sample : I3931-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 01:08:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

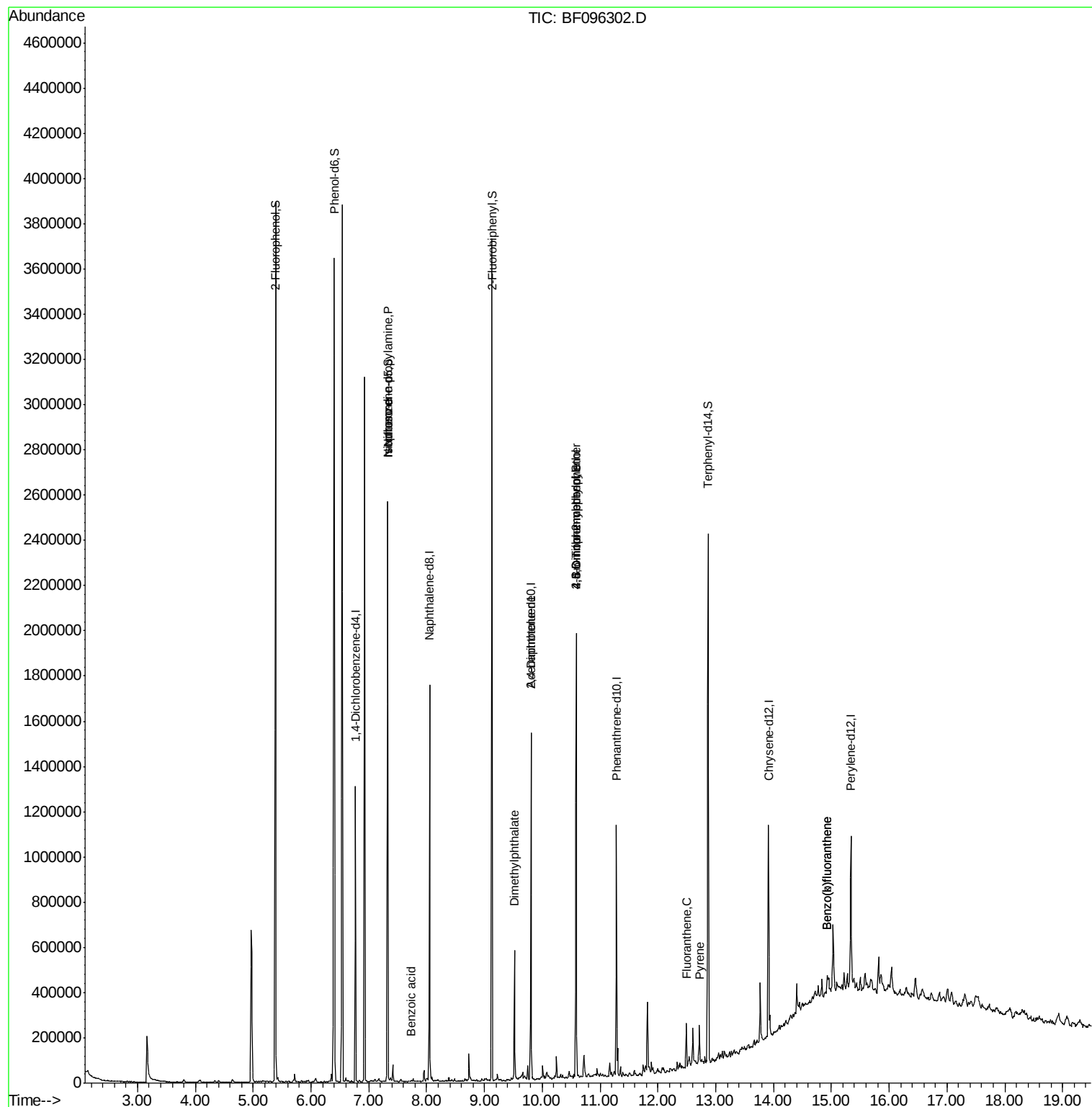
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	173419	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	700876	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	271150	20.00	ng	0.00
63) Phenanthrene-d10	11.28	188	381562	20.00	ng	0.00
75) Chrysene-d12	13.92	240	313071	20.00	ng	0.00
86) Perylene-d12	15.34	264	292209	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1105877	91.87	ng	0.00
7) Phenol-d6	6.40	99	1360402	93.33	ng	0.01
23) Nitrobenzene-d5	7.33	82	787435	77.77	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	236125	110.65	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1184783	80.02	ng	-0.02
78) Terphenyl-d14	12.87	244	679633	54.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	102744	11.77	ng	# 89
25) Isophorone	7.33	82	787401	34.24	ng	# 67
32) Benzoic acid	7.73	122	810	8.88	ng	89
49) Dimethylphthalate	9.52	163	230791	11.89	ng	98
56) 2,4-Dinitrotoluene	9.80	165	35450	6.97	ng	# 33
57) Fluorene	10.35	166	4093	Below Cal		83
64) 4,6-Dinitro-2-methylphenol	10.59	198	184	8.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.59	248	12872	3.28	ng	# 1
70) Phenanthrene	11.30	178	40413	Below Cal		97
74) Fluoranthene	12.49	202	68146	3.22	ng	97
77) Pyrene	12.72	202	69002	2.68	ng	96
87) Benzo(b)fluoranthene	14.93	252	60566	3.16	ng	# 81
88) Benzo(k)fluoranthene	14.93	252	60566	3.46	ng	# 85

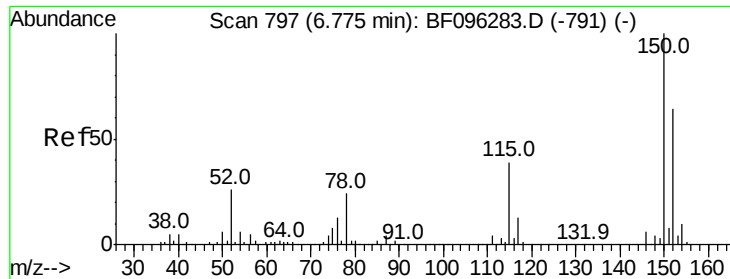
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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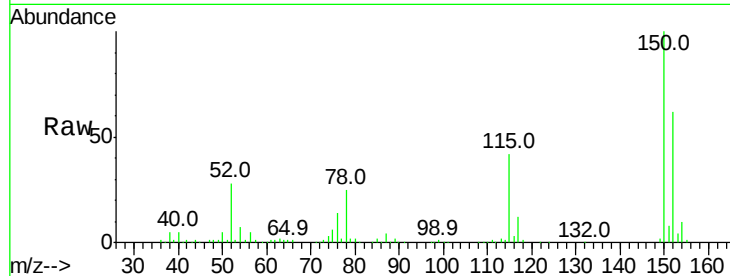


#1

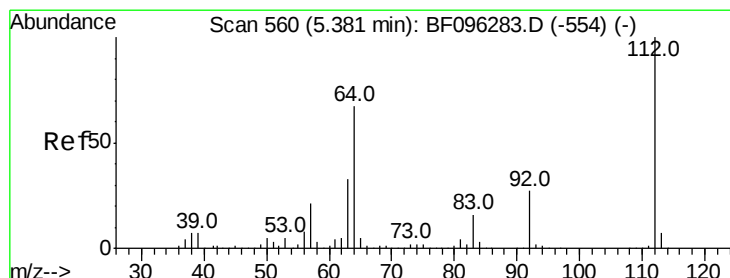
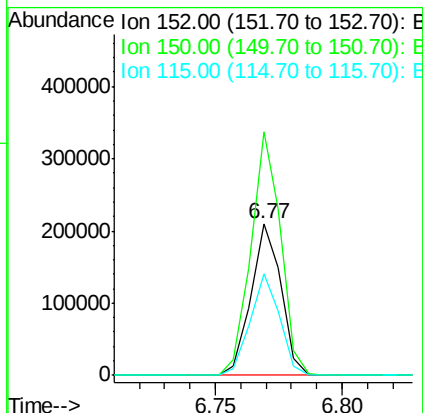
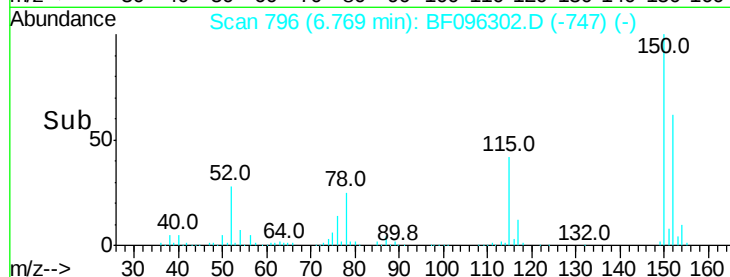
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 173419
Ion Ratio Lower Upper
152 100
150 160.1 126.2 189.2
115 66.7 52.2 78.2



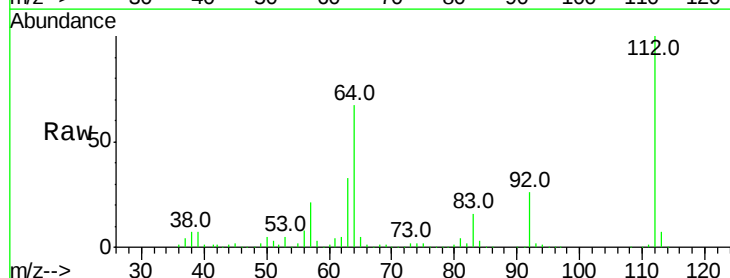
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



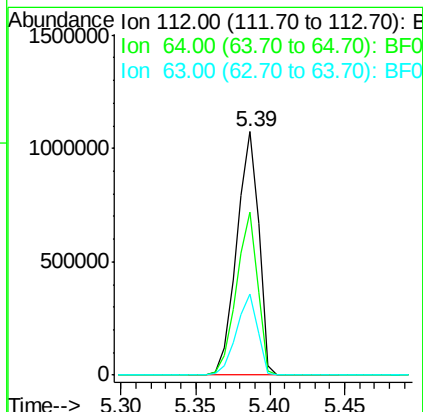
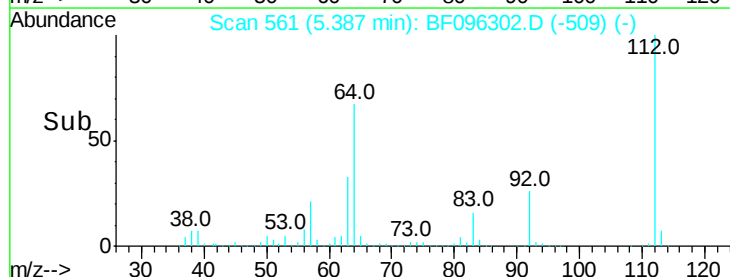
#5

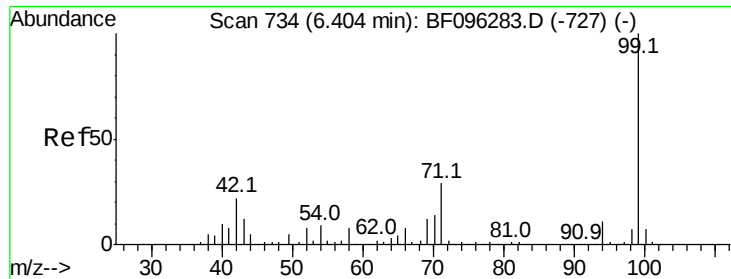
2-Fluorophenol
Concen: 91.87 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

Tgt Ion:112 Resp: 1105877
Ion Ratio Lower Upper
112 100
64 66.8 46.0 69.0
63 33.2 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: 93.33 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096302.D

Acq: 29 Jun 2017 20:08

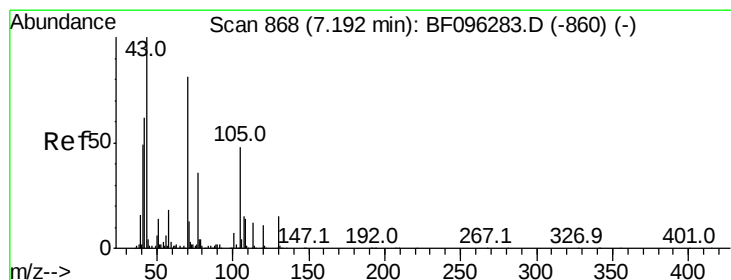
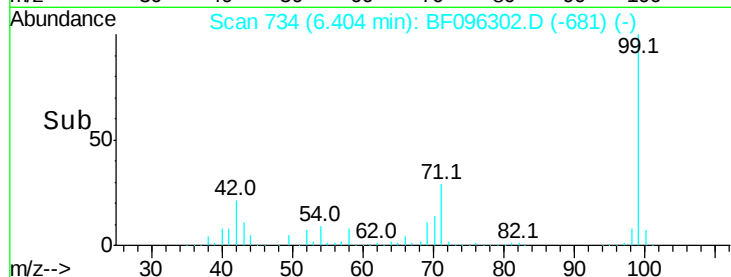
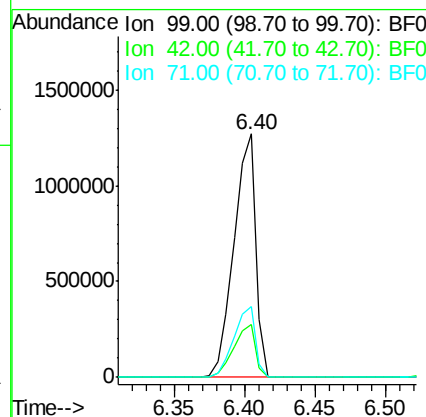
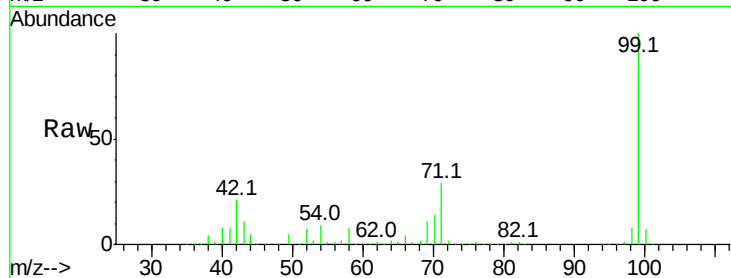
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1360402

Ion	Ratio	Lower	Upper
99	100		
42	21.5	13.5	20.3#
71	29.2	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.77 ng

RT: 7.33 min Scan# 891

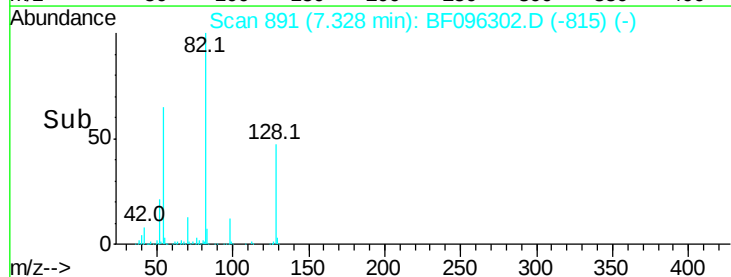
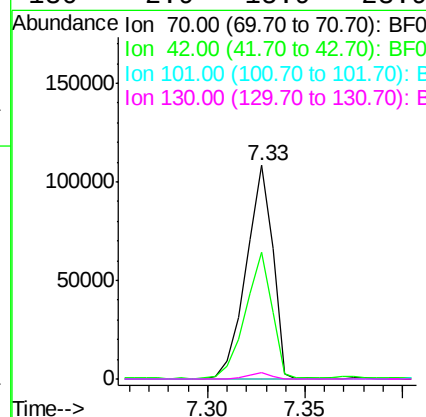
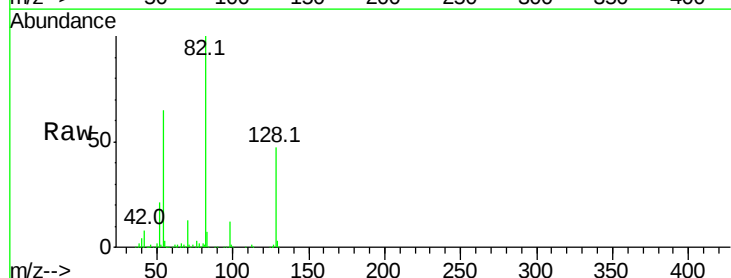
Delta R.T. 0.15 min

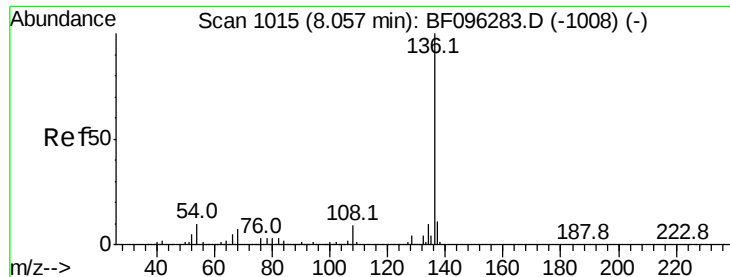
Lab File: BF096302.D

Acq: 29 Jun 2017 20:08

Tgt Ion: 70 Resp: 102744

Ion	Ratio	Lower	Upper
70	100		
42	59.6	47.2	70.8
101	0.0	7.2	10.8#
130	2.9	15.9	23.9#

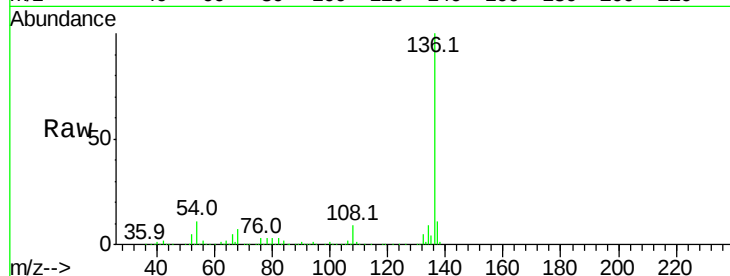




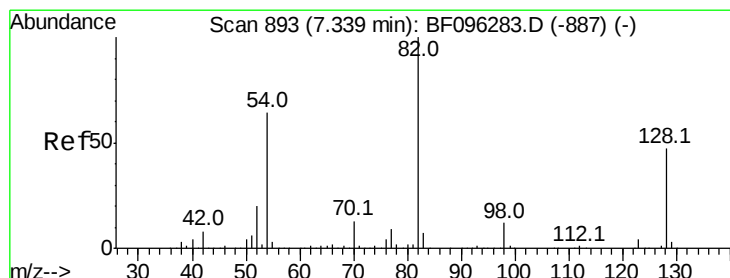
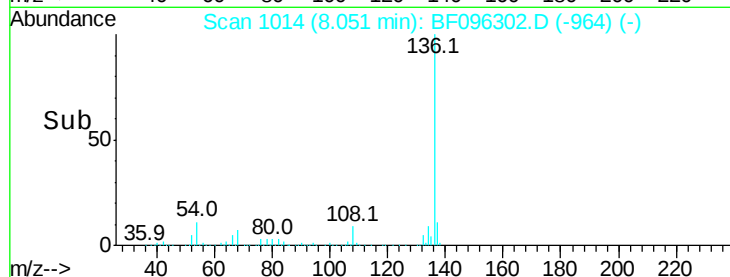
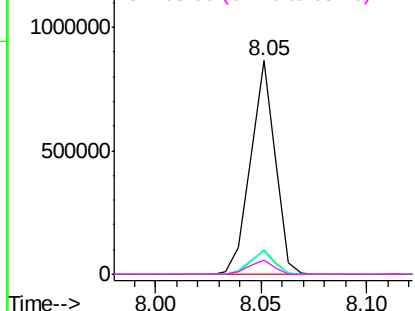
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	700876
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.5 12.7
54	10.8	4.9 7.3#
68	6.5	4.1 6.1#

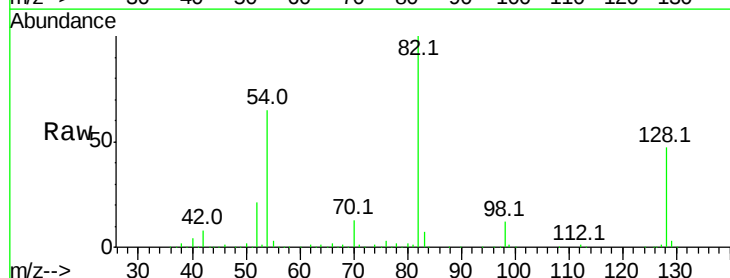


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

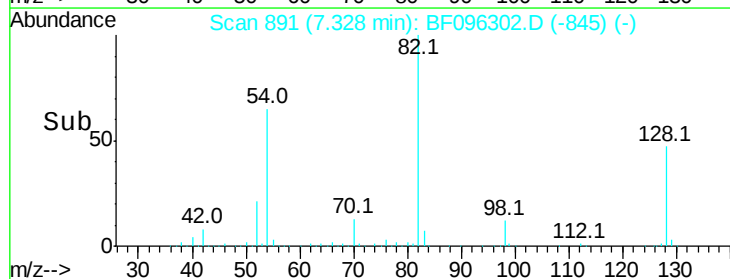
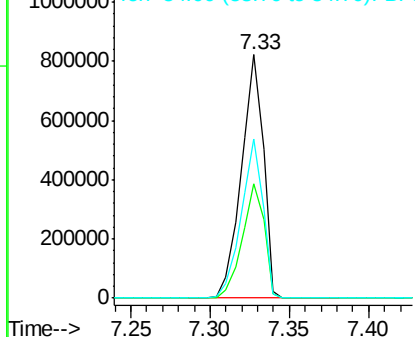


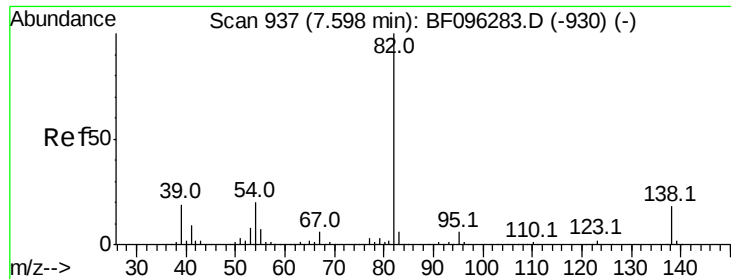
#23
Nitrobenzene-d5
Concen: 77.77 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.03 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

Tgt Ion: 82	Resp:	787435
Ion Ratio	Lower	Upper
82	100	
128	46.8	34.0 51.0
54	65.5	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: 34.24 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF096302.D

Acq: 29 Jun 2017 20:08

Instrument :
BNA_F
ClientSampleId :

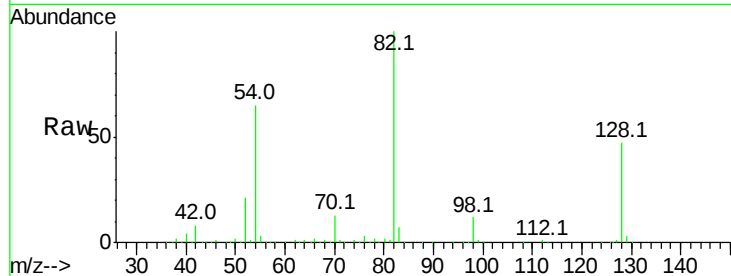
Tot Ion: 82 Resp: 787401

Ion Ratio Lower Upper

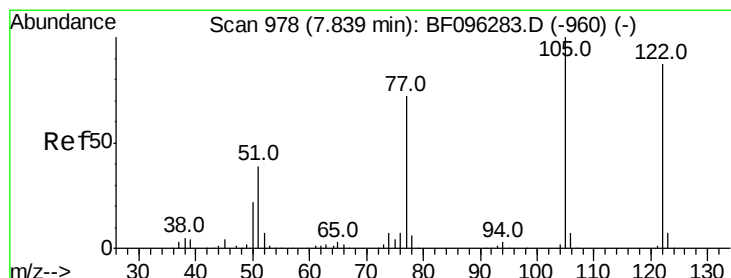
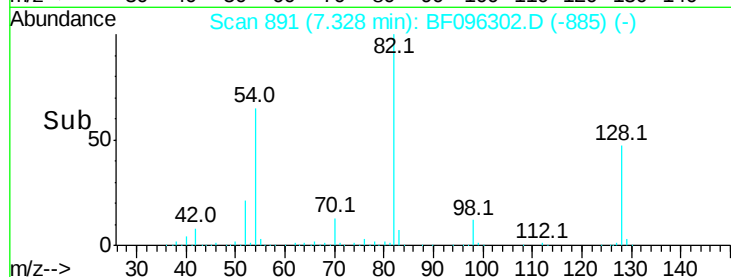
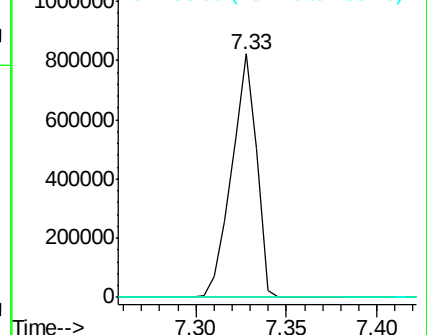
82 100

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



#32

Benzoic acid

Concen: 8.88 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.16 min

Lab File: BF096302.D

Acq: 29 Jun 2017 20:08

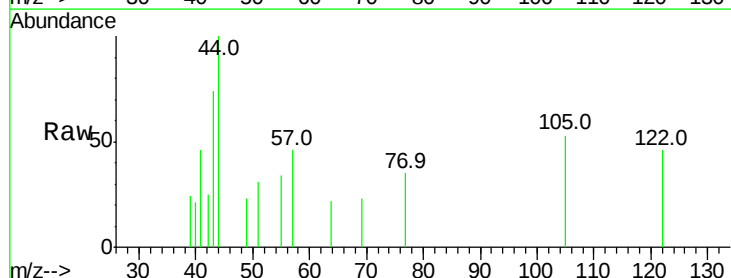
Tgt Ion: 122 Resp: 810

Ion Ratio Lower Upper

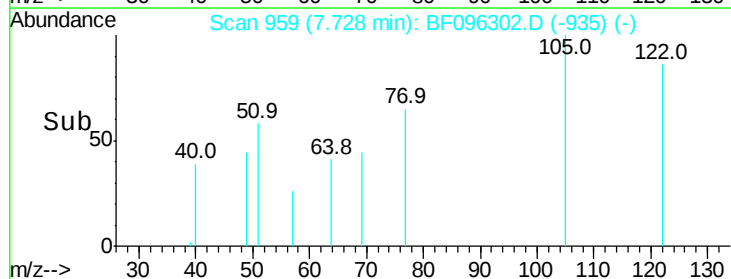
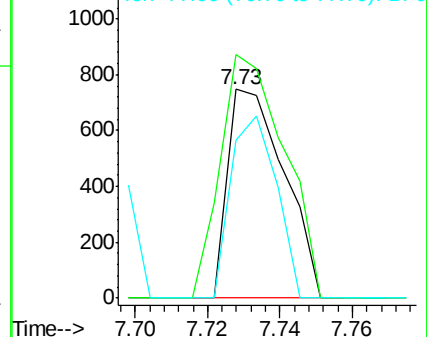
122 100

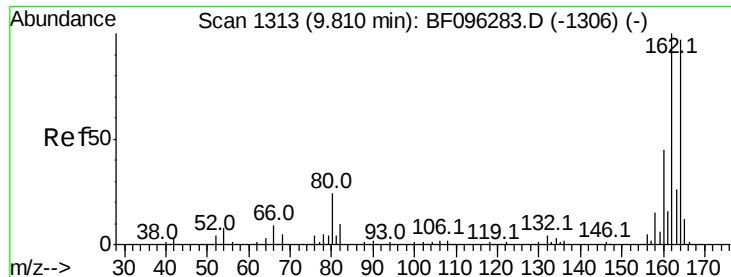
105 116.7 103.3 143.3

77 75.8 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

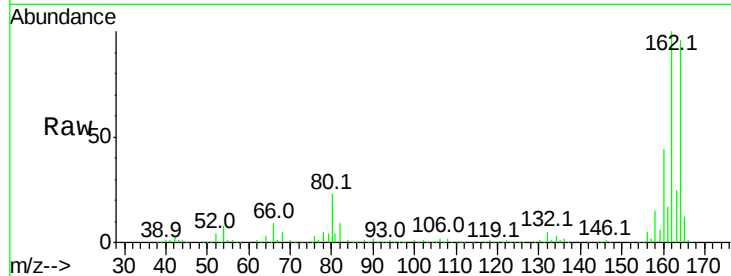




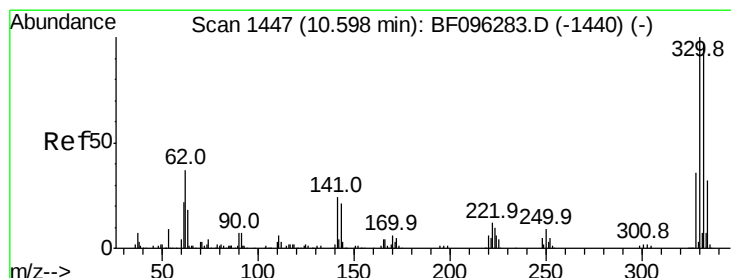
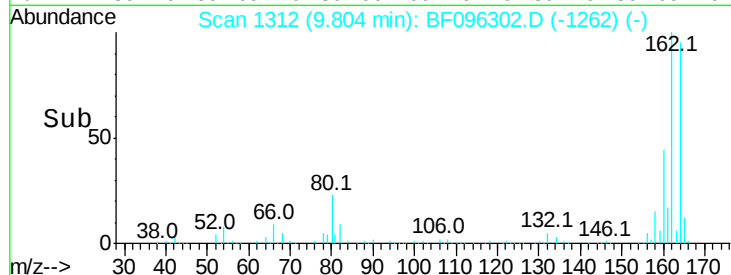
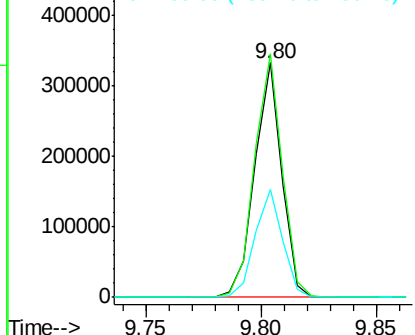
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 271150
Ion Ratio Lower Upper
164 100
162 103.8 82.6 123.8
160 46.1 36.2 54.2

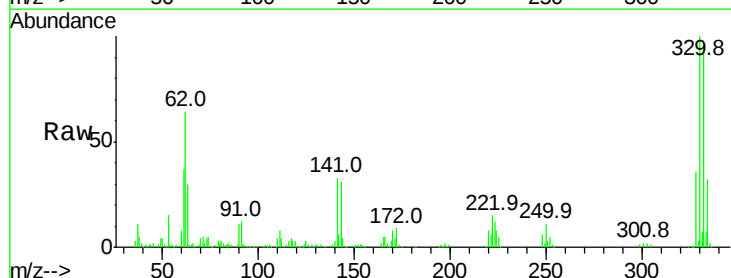


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

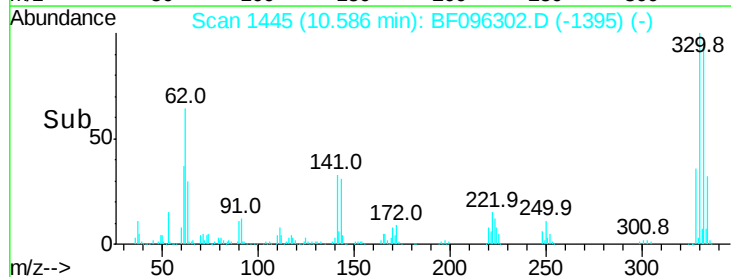
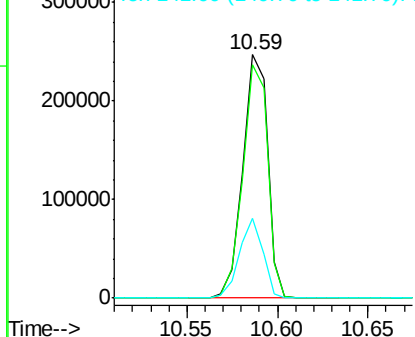


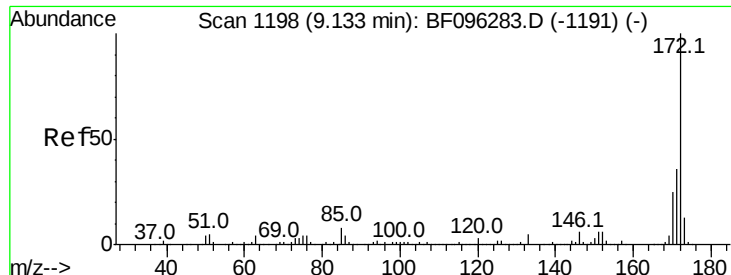
#41
2,4,6-Tribromophenol
Concen: 110.65 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

Tgt Ion:330 Resp: 236125
Ion Ratio Lower Upper
330 100
332 96.3 76.6 115.0
141 31.0 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



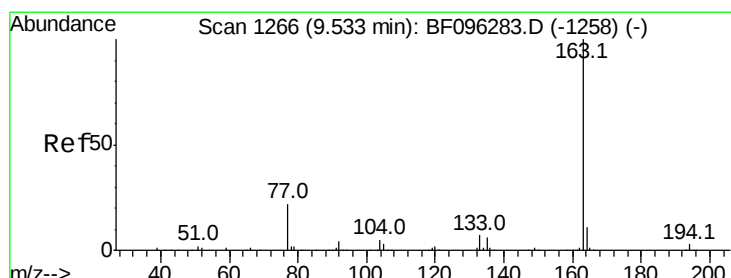
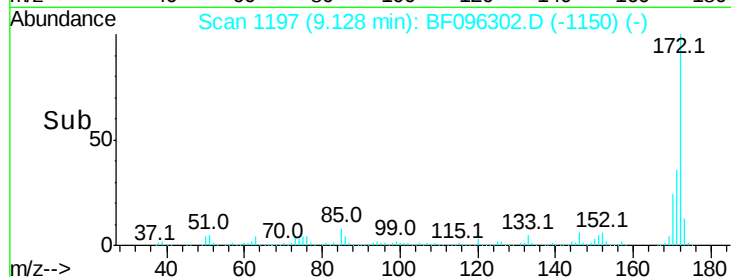
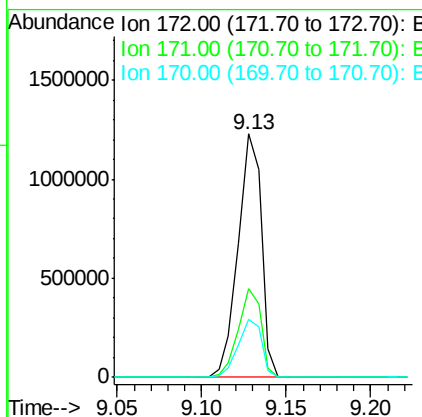
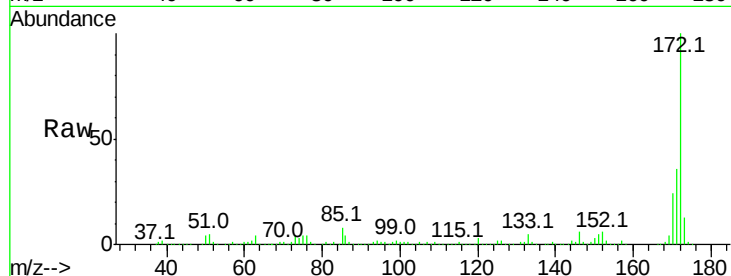


#44
 2-Fluorobiphenyl
 Concen: 80.02 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096302.D
 Acq: 29 Jun 2017 20:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1184783

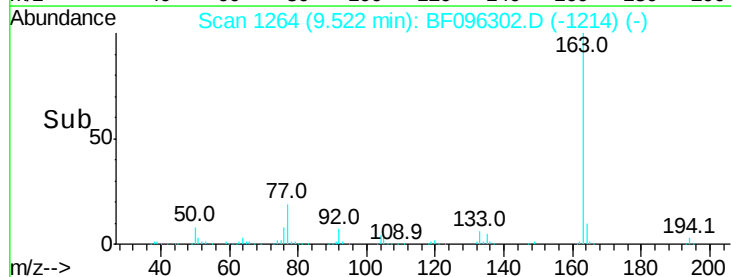
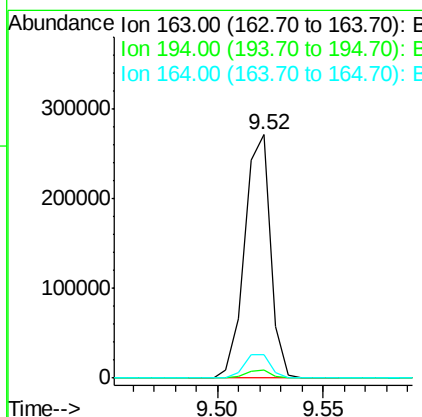
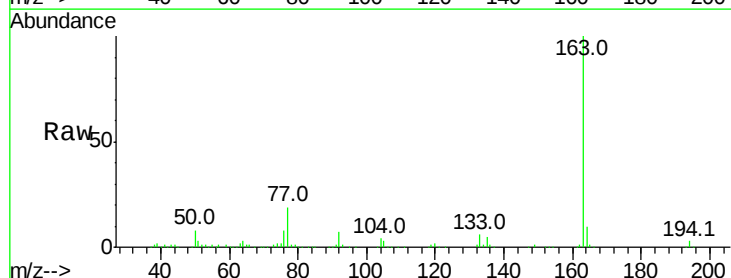
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	23.7	19.8	29.8

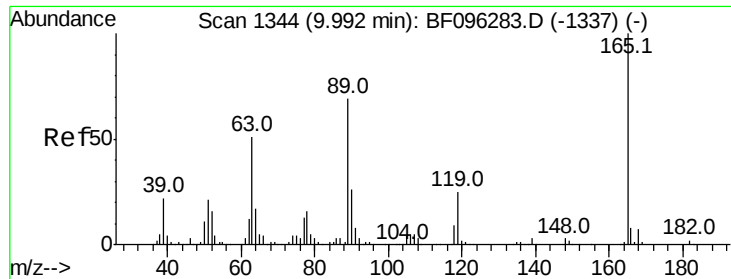


#49
 Dimethylphthalate
 Concen: 11.89 ng
 RT: 9.52 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF096302.D
 Acq: 29 Jun 2017 20:08

Tgt Ion:163 Resp: 230791

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.5	8.4	12.6

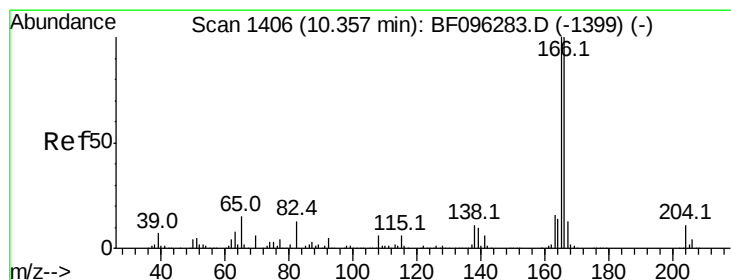
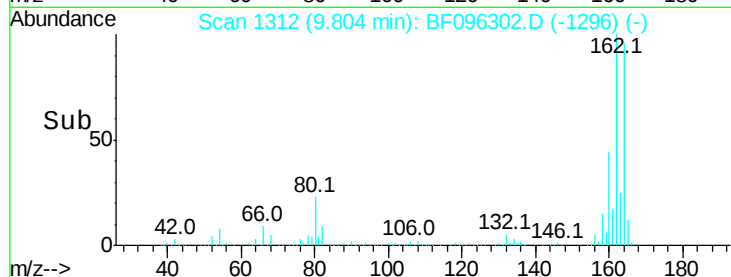
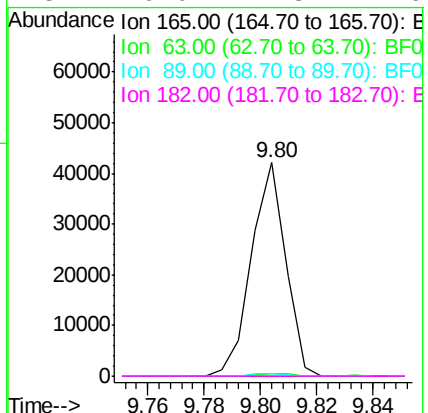
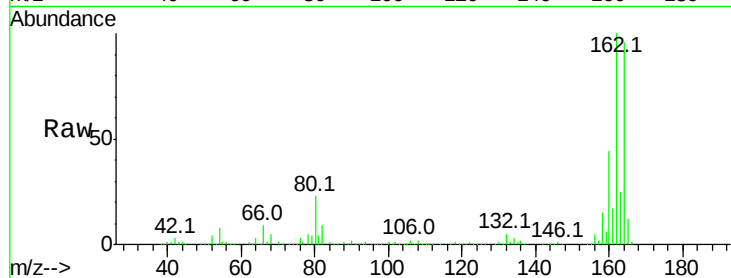




#56
2,4-Dinitrotoluene
Concen: 6.97 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.21 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

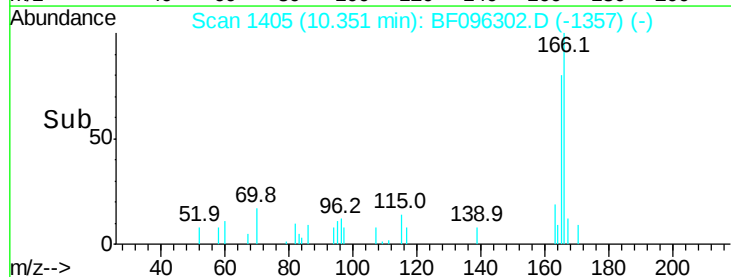
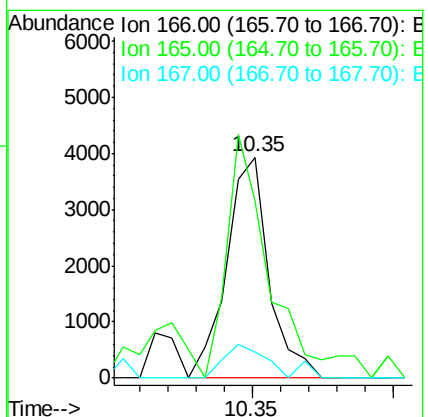
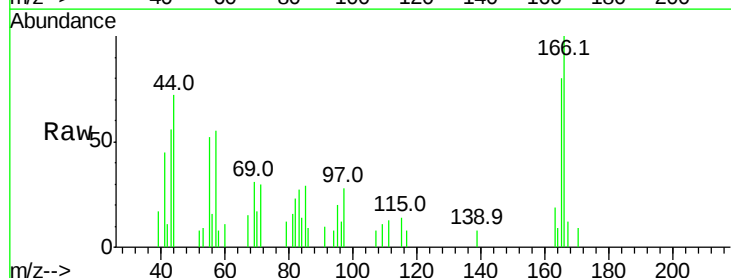
Instrument :
BNA_F
ClientSampleId :

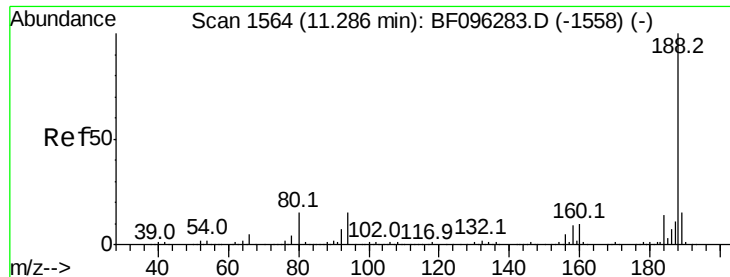
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#



#57
Fluorene
Concen: Below Cal
RT: 10.35 min Scan# 1405
Delta R.T. -0.02 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	80.3	78.8	118.2
167	11.8	10.6	16.0

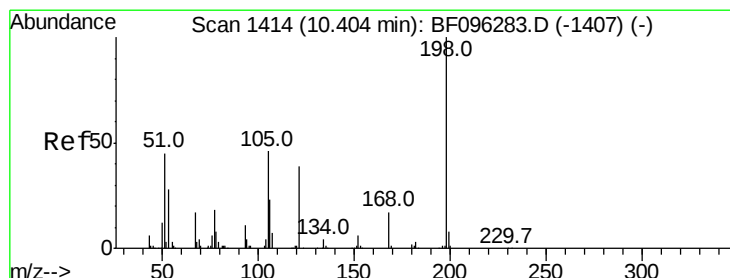
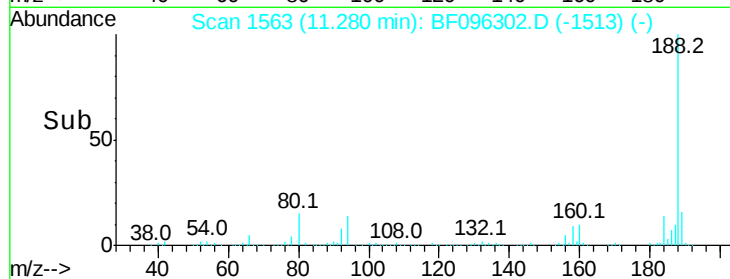
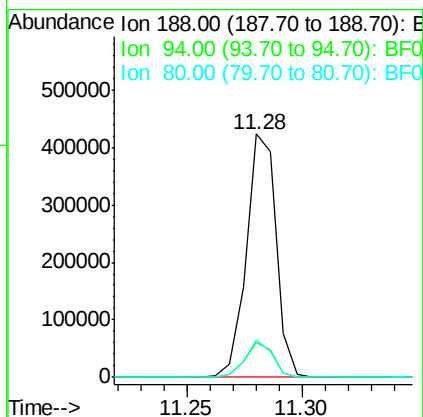
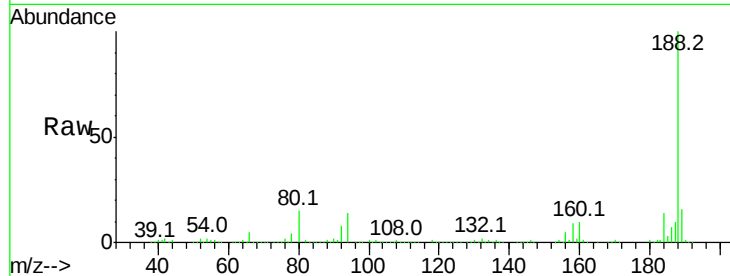




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF096302.D
 Acq: 29 Jun 2017 20:08

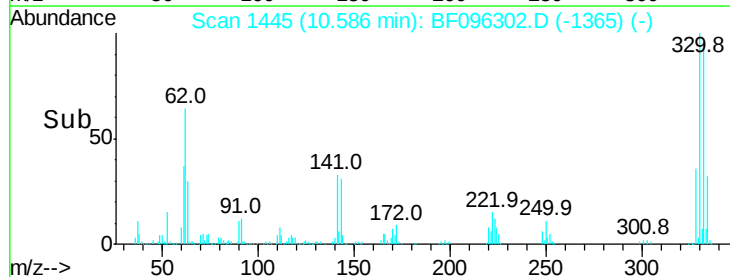
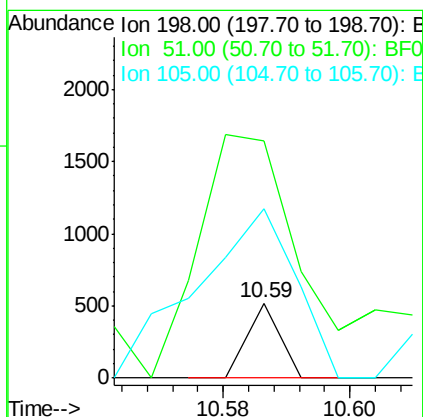
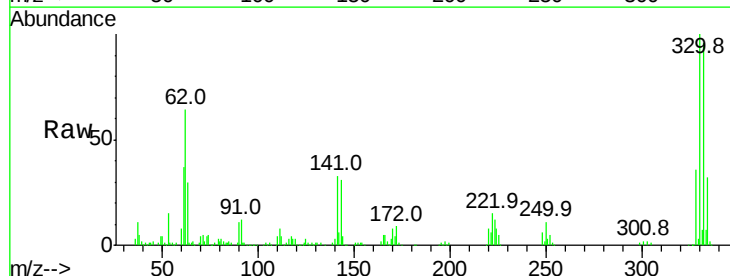
Instrument :
 BNA_F
 ClientSampleId :

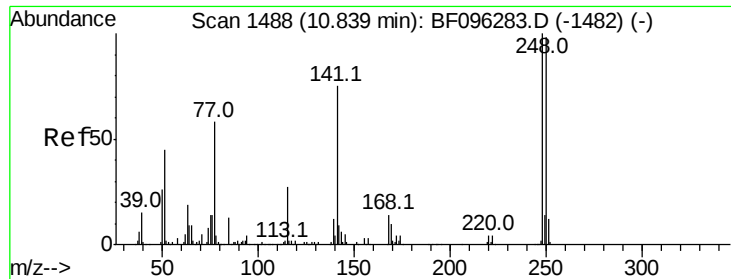
Tot Ion:188 Resp: 381562
 Ion Ratio Lower Upper
 188 100
 94 14.5 9.4 14.2#
 80 15.2 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.83 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. 0.17 min
 Lab File: BF096302.D
 Acq: 29 Jun 2017 20:08

Tgt Ion:198 Resp: 184
 Ion Ratio Lower Upper
 198 100
 51 315.9 53.2 93.2#
 105 225.3 45.8 85.8#

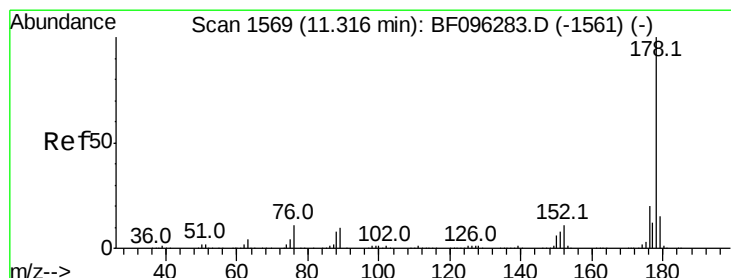
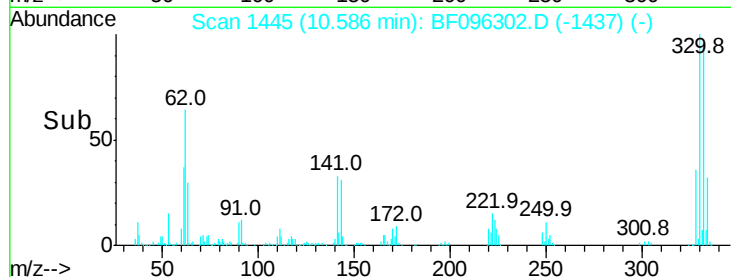
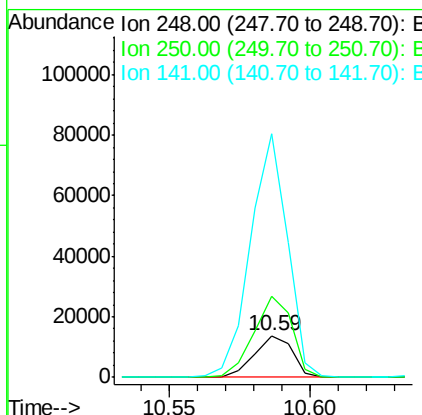
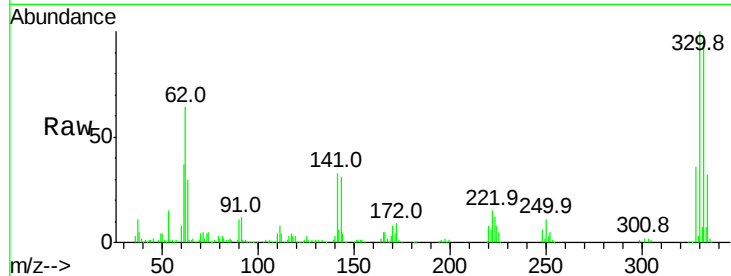




#66
 4-Bromophenyl-phenylether
 Concen: 3.28 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF096302.D
 Acq: 29 Jun 2017 20:08

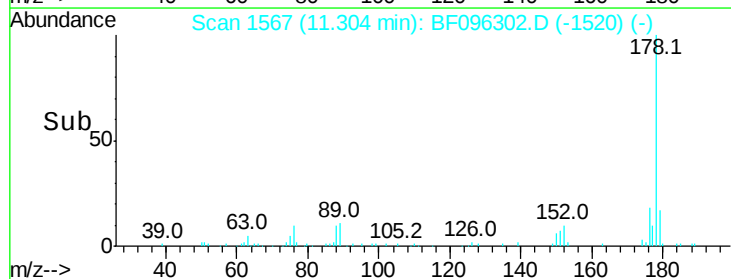
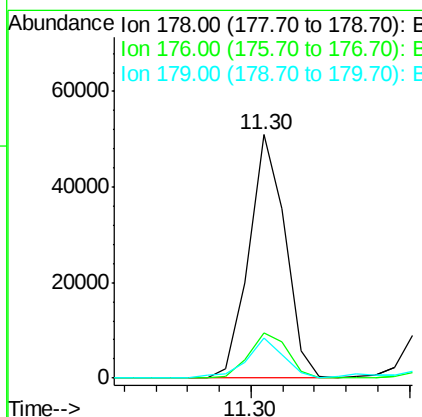
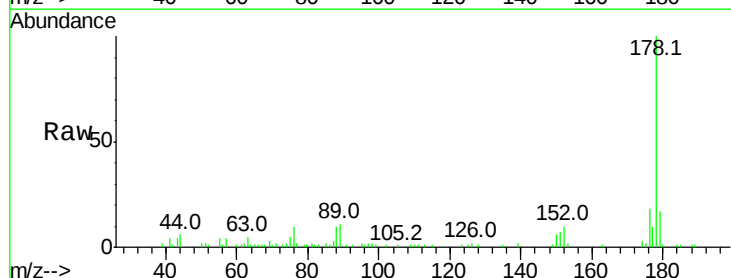
Instrument :
 BNA_F
 ClientSampleId :

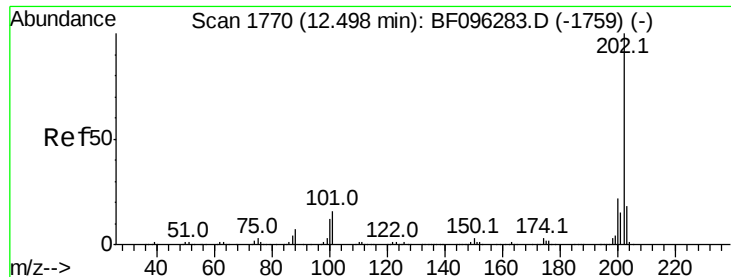
Tot Ion:248 Resp: 12872
 Ion Ratio Lower Upper
 248 100
 250 196.7 76.8 115.2#
 141 588.4 68.6 103.0#



#70
 Phenanthrene
 Concen: Below Cal
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF096302.D
 Acq: 29 Jun 2017 20:08

Tgt Ion:178 Resp: 40413
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.4
 179 16.7 12.6 19.0

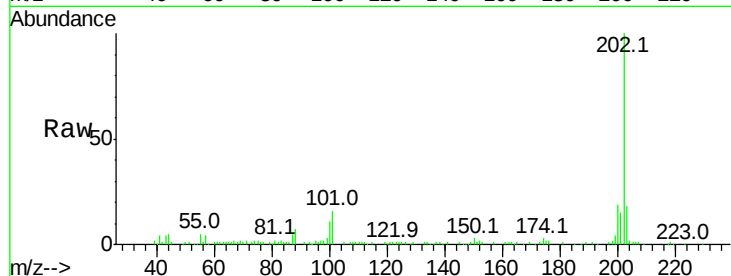




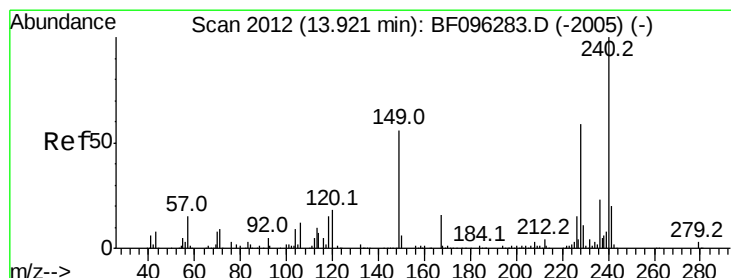
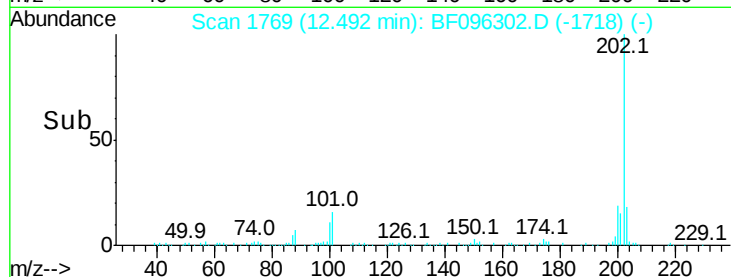
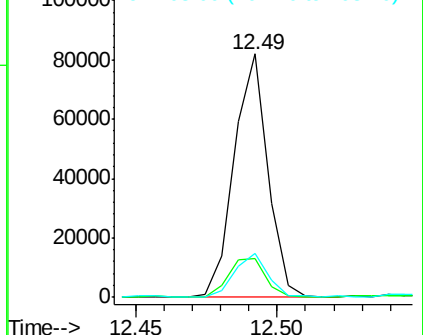
#74
Fluoranthene
Concen: 3.22 ng
RT: 12.49 min Scan# 1769
Delta R.T. -0.00 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 68146
Ion Ratio Lower Upper
202 100
101 15.8 0.0 33.2
203 18.0 0.0 38.1

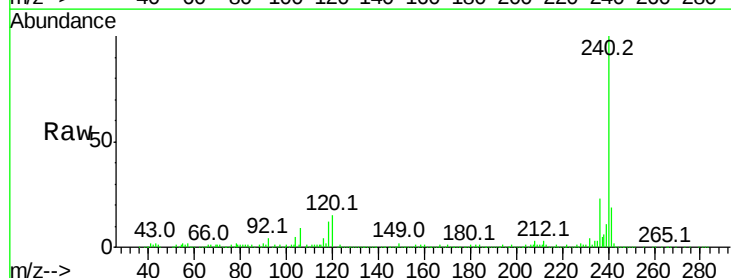


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

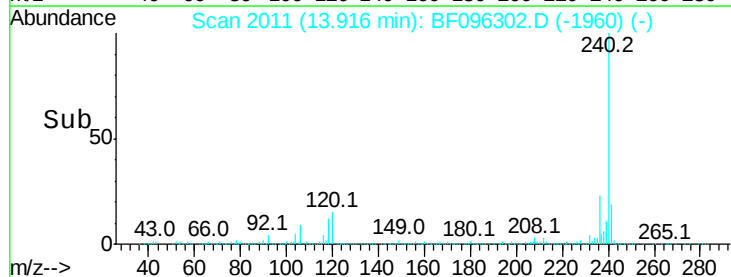
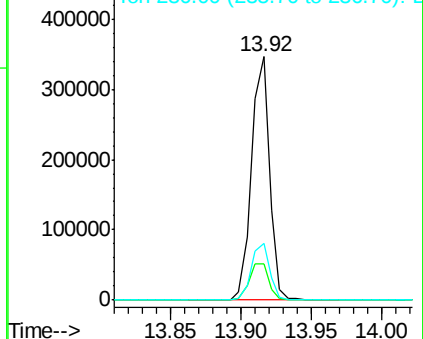


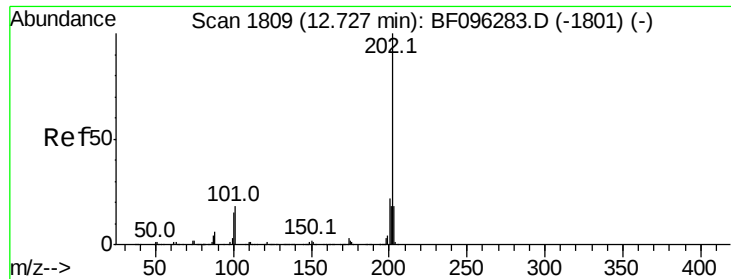
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

Tgt Ion:240 Resp: 313071
Ion Ratio Lower Upper
240 100
120 14.8 5.8 8.8#
236 23.4 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

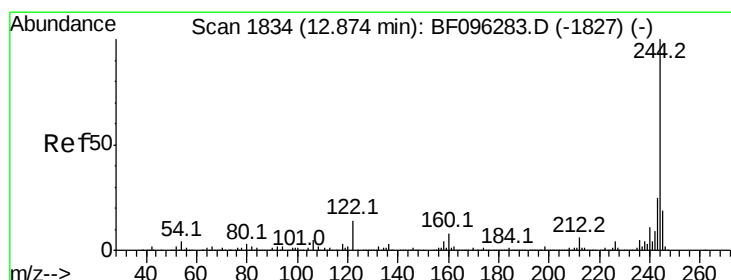
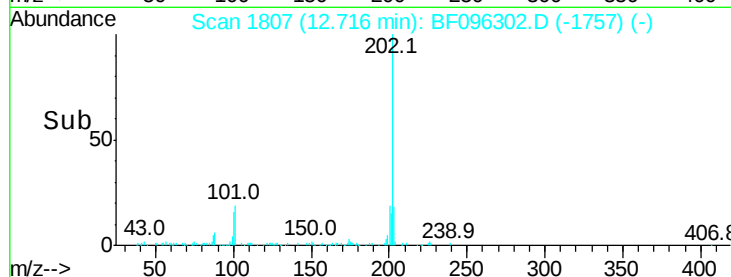
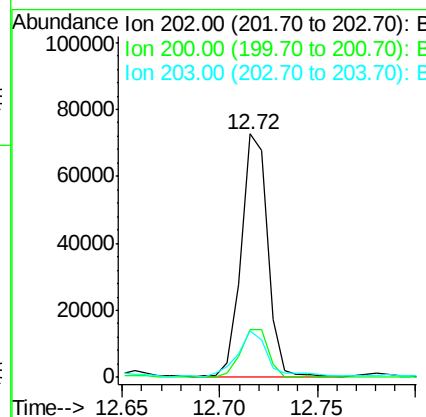
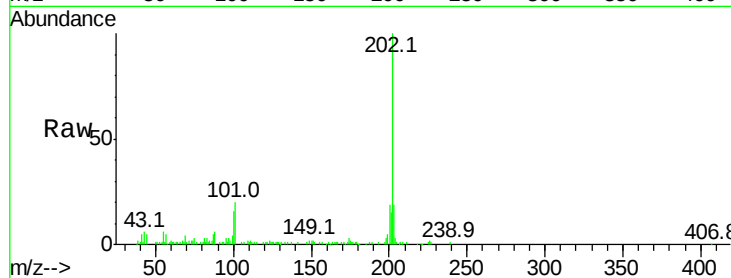




#77
Pvrene
Concen: 2.68 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

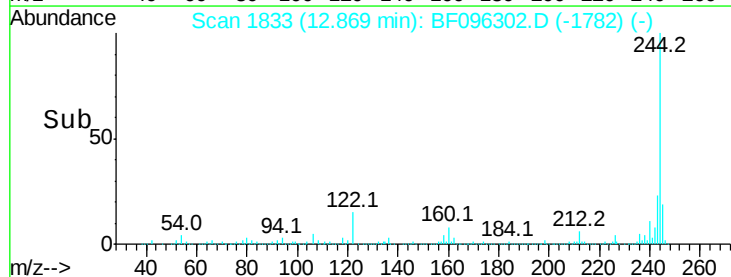
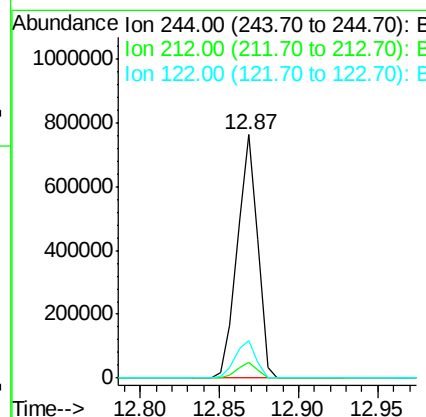
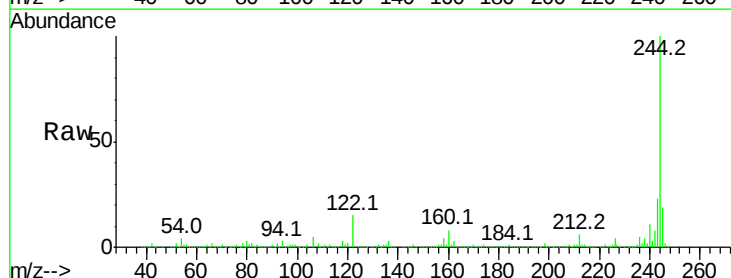
Instrument :
BNA_F
ClientSampled :

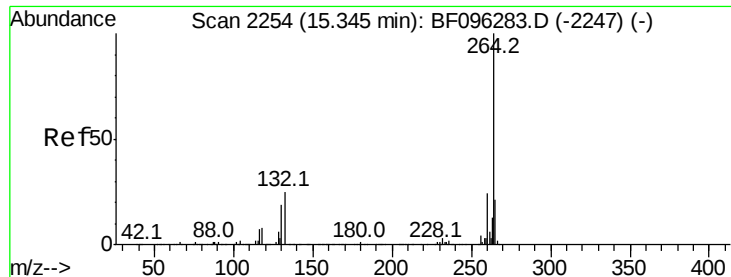
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.4	17.6	26.4
203	19.1	14.4	21.6



#78
Terphenyl-d14
Concen: 54.17 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	15.5	10.3	15.5#

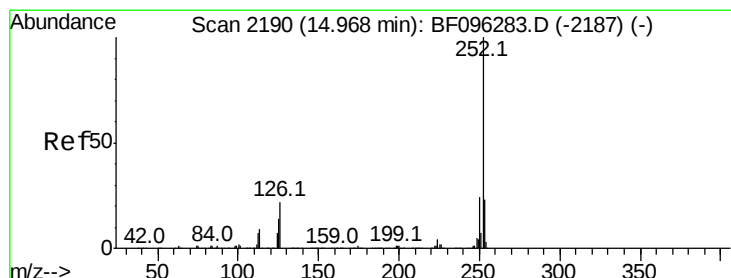
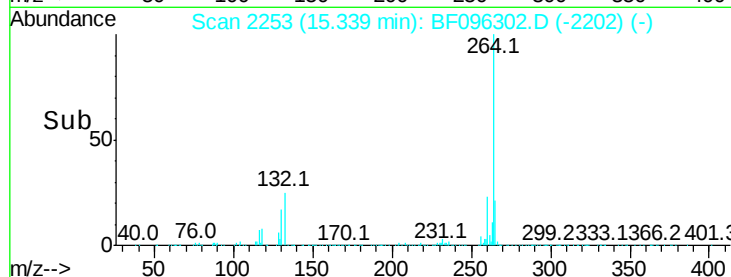
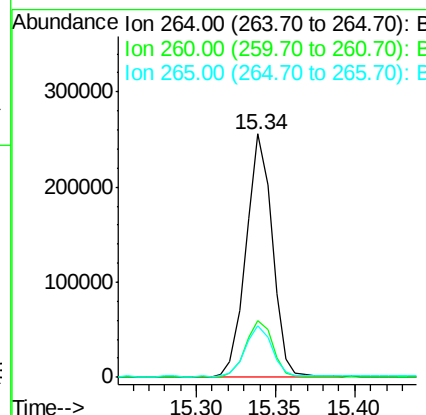
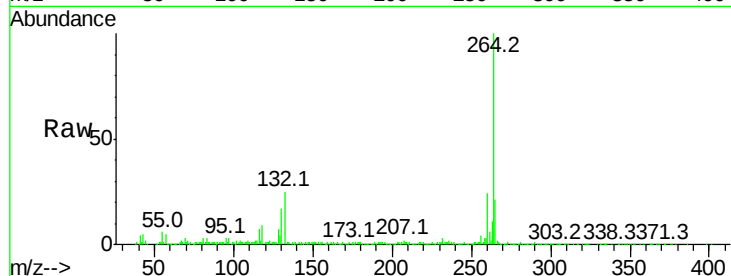




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2253
Delta R.T. -0.00 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

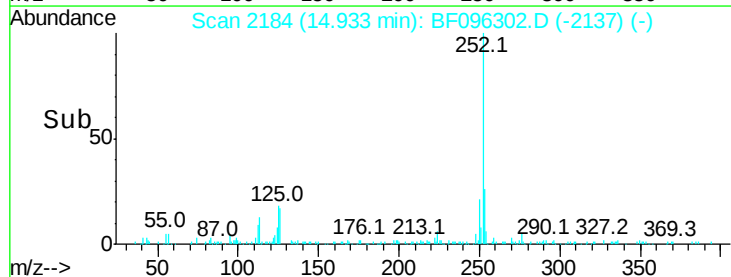
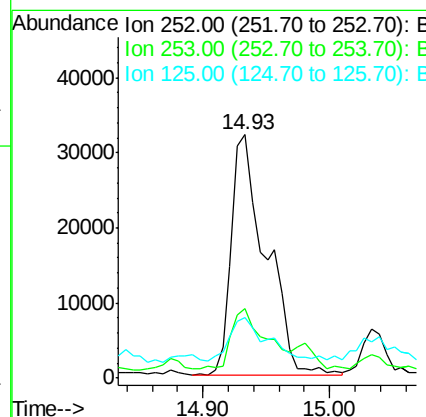
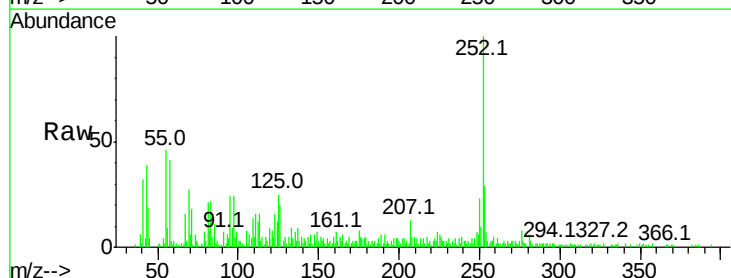
Instrument :
BNA_F
ClientSampleId :

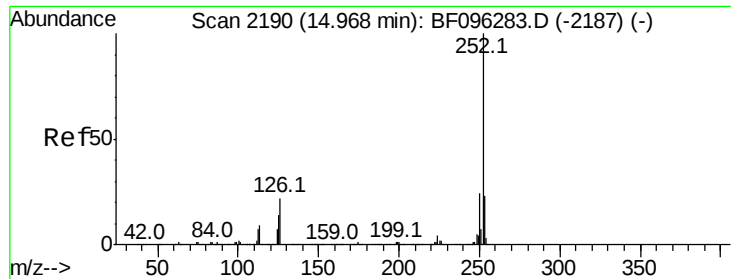
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.3	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.16 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096302.D
Acq: 29 Jun 2017 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.1	27.1#
125	24.7	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 3.46 ng

RT: 14.93 min Scan# 2184

Delta R.T. -0.02 min

Lab File: BF096302.D

Acq: 29 Jun 2017 20:08

Instrument :

BNA_F

ClientSampleId :

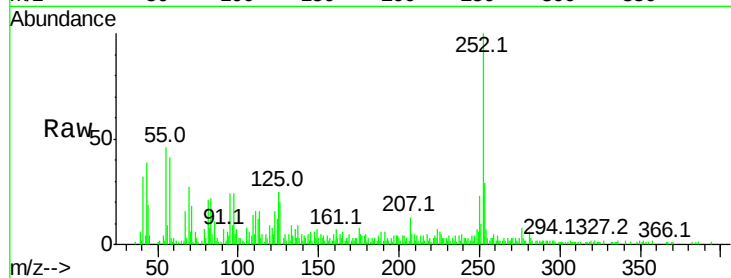
Tot Ion:252 Resp: 60566

Ion Ratio Lower Upper

252 100

253 28.6 18.4 27.6#

125 24.7 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

